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02 26 33 02 26 33.13	Biological Assessment Mold Assessment
02 26 36	Hazardous Waste Drum Assessment
02 30 00	
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02 31 00	Geophysical Investigations
02 31 00 02 31 13	Geophysical Investigations Seismic Investigations
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02 31 00 02 31 13 02 31 16 02 31 19 02 31 23	Geophysical Investigations Seismic Investigations Gravity Investigations Magnetic Investigations Electromagnetic Investigations
02 31 00 02 31 13 02 31 16 02 31 19 02 31 23 02 31 26	Geophysical Investigations Seismic Investigations Gravity Investigations Magnetic Investigations Electromagnetic Investigations Electrical Resistivity Investigations
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02 31 00 02 31 13 02 31 16 02 31 19 02 31 23 02 31 26 02 31 29 02 32 13 02 32 13 02 32 16	Geophysical Investigations Seismic Investigations Gravity Investigations Magnetic Investigations Electromagnetic Investigations Electrical Resistivity Investigations Magnetotelluric Investigations Geotechnical Investigations Subsurface Drilling and Sampling Material Testing
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02	41 16.43	Dam Demolition
02	41 19	Selective Demolition
02	41 19.13	Selective Building Demolition
	41 19.16	Selective Interior Demolition
	41 19.19	Selective Facility Services Demolition
	41 19.33	Selective Bridge Demolition
02 42 (00	Removal and Salvage of Construction Materials
_	42 13	Deconstruction of Structures
_	42 13.13	Deconstruction of Buildings
02 43 (00	Structure Moving
02	43 13	Structure Relocation
	43 13.13	Building Relocation
	43 16	Structure Raising
	43 16.13	Building Raising
02 50	00	Site Remediation
02 51 (00	Physical Decontamination
02	51 13	Coagulation and Flocculation Decontamination
_	51 16	Reverse-Osmosis Decontamination
_	51 19	Solidification and Stabilization Decontamination
_	51 23	Mechanical Filtration Decontamination
	51 26	Radioactive Decontamination
02	51 29	Surface Cleaning Decontamination
	51 29.13	High-Pressure Water Cleaning Decontamination
02	51 29.16	Vacuum Sweeping Cleaning Decontamination
02	51 33	Surface Removal Decontamination
	51 33.13	Surface Removal Decontamination by Grinding
	51 33.16	Surface Removal Decontamination by Sand Blasting
	51 33.19	Surface Removal Decontamination by Ultrasound
02 52 (Chemical Decontamination
	52 13	Chemical Precipitation Decontamination
	52 16	Ion Change Decontamination
	52 19	Neutralization Decontamination
02 53 (00	Thermal Decontamination
02	53 13	Incineration Decontamination
	53 13.13	Remediation of Contaminated Soils and Sludges by Incineration
	53 16	Thermal Desorption Decontamination
	53 16.13	Remediation of Contaminated Soils by Thermal Desorption
	53 19	Vitrification Decontamination
02 54 (Biological Decontamination
	54 13	Aerobic Processes Decontamination
_	54 16	Anaerobic Processes Decontamination
	54 19	Bioremediation Decontamination
	54 19.13 54 10 16	Bioremediation Using Landfarming
	54 19.16 54 19.19	Bioremediation of Soils Using Windrow Composting Bioremediation Using Bacteria Injection
	54 23	Soil Washing through Separation/Solubilization
	54 26	Organic Decontamination
02 55 (Remediation Soil Stabilization
02 56 (Site Containment
	56 13	Waste Containment
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02 56 13.13 02 56 19 02 56 19.13	Geomembrane Waste Containment Gas Containment Fluid Applied Gas Barrior
02 57 00	Fluid-Applied Gas Barrier Sinkhole Remediation
02 57 13	Sinkhole Remediation by Grouting
02 57 13.13	Sinkhole Remediation by Compaction Grouting
02 57 13.16	Sinkhole Remediation by Cap Grouting
02 57 16	Sinkhole Remediation by Backfilling
02 58 00	Snow Control
02 58 13	Snow Fencing
02 58 16	Snow Avalanche Control
02 60 00	Contaminated Site Material Removal
02 61 00	Removal and Disposal of Contaminated Soils
02 61 13	Excavation and Handling of Contaminated Material
02 61 23	Removal and Disposal of Polychlorinate Biphenyl Contaminated Soils
02 61 26 02 61 29	Removal and Disposal of Asbestos Contaminated Soils
02 62 00	Removal and Disposal of Organically Contaminated Soils
02 62 13	Hazardous Waste Recovery Processes
02 62 13	Air and Steam Stripping Soil Vapor Extraction
02 62 19	Soil Washing and Flushing
02 65 00	Underground Storage Tank Removal
02 70 00	Water Remediation
02 71 00	Groundwater Treatment
02 72 00	Water Decontamination
02 72 13	Chemical Water Decontamination
02 72 16	Biological Water Decontamination
02 72 19	Electrolysis Water Decontamination
02 80 00	Facility Remediation
02 81 00	Transportation and Disposal of Hazardous Materials
02 82 00	Asbestos Remediation
02 82 13	Asbestos Abatement
02 82 13.13	Glovebag Asbestos Abatement
02 82 13.16 02 82 13.19	Precautions for Asbestos Abatement Asbestos Floor Tile and Mastic Abatement
02 82 13.33	Asbestos Abatement for Utilities
02 82 16	Engineering Control of Asbestos Containing Materials
02 82 33	Removal and Disposal of Asbestos Containing Materials
02 83 00	Lead Remediation
02 83 13	Lead Hazard Control Activities
02 83 19	Lead-Based Paint Remediation
02 83 19.13 02 83 33	Lead-Based Paint Abatement Removal and Disposal of Material Containing Lead
02 83 33.13	Lead-Based Paint Removal and Disposal
02 84 00	Polychlorinate Biphenyl Remediation
02 84 16	Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury
02 84 33	Removal and Disposal of Polychlorinate Biphenyls

02 86 00 02 87 00 02 87 13 02 87 13.13 02 87 13.16 02 87 13.19 02 87 13.33 02 87 16 02 87 16.13	Hazardous Waste Drum Handling Biohazard Remediation Mold Remediation Precautions for Mold Remediation Mold Remediation Preparation and Containment Mold Remediation Clearance Air Sampling Removal and Disposal of Materials with Mold Excrement Removal Bird Excrement Removal
02 87 16.16	Rodent Excrement Removal
03 00 00	Concrete
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03 01 50.72 03 01 60 03 01 70	Strengthening of Cast Decks and Underlayment Maintenance of Grouting Maintenance of Mass Concrete
03 01 80	Maintenance of Concrete Cutting and Boring
03 03 00	Conservation Treatment for Period Concrete
03 03 30 03 03 31 03 03 33	Conservation Treatment for Period Cast-in-Place Concrete Conservation Treatment for Period Structural Concrete Conservation Treatment for Period Architectural Concrete
03 05 00	Common Work Results for Concrete
03 05 05	Selective Demolition for Concrete
03 06 00 03 06 10 03 06 20 03 06 20.13 03 06 20.16 03 06 30 03 06 30.13 03 06 30.16 03 06 30.19 03 06 30.23 03 06 30.26 03 06 40	Schedules for Concrete Schedules for Concrete Forming and Accessories Schedules for Concrete Reinforcing Concrete Beam Reinforcing Schedule Concrete Slab Reinforcing Schedule Schedules for Cast-in-Place Concrete Concrete Footing Schedule Concrete Column Schedule Concrete Slab Schedule Concrete Shaft Schedule Concrete Beam Schedule Schedules for Precast Concrete

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03 (08 00	Schedules for Concrete Cutting and Boring Commissioning of Concrete
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03	03 11 13 03 11 13.13 03 11 13.16 03 11 13.19 03 11 16 03 11 16.13 03 11 19 03 11 23 03 11 26	Concrete Forming Structural Cast-in-Place Concrete Forming Concrete Slip Forming Concrete Shoring Falsework Architectural Cast-in Place Concrete Forming Concrete Form Liners Insulating Concrete Forming Permanent Stair Forming Permanent Tier Forming
03	15 00	Concrete Accessories
	03 15 13 03 15 13.13 03 15 13.16 03 15 13.19 03 15 13.21 03 15 16 03 15 19 03 15 21	Waterstops Non-Expanding Waterstops Expanding Waterstops Combination Expanding and Injection Hose Waterstops Injection Hose Waterstops Concrete Construction Joints Cast-In Concrete Anchors Termite Barrier
03	20 00	Concrete Reinforcing
	21 00	Reinforcement Bars
	03 21 11 03 21 13 03 21 16 03 21 19 03 21 21 03 21 21 03 21 21.11 03 21 21.13 03 21 21.16	Plain Steel Reinforcement Bars Galvanized Reinforcement Steel Bars Epoxy-Coated Reinforcement Steel Bars Stainless Steel Reinforcement Bars Composite Reinforcement Bars Glass Fiber-Reinforced Polymer Reinforcement Bars Organic Fiber-Reinforced Polymer Reinforcement Bars Carbon Fiber-Reinforced Polymer Reinforcement Bars
03	22 00	Fabric and Grid Reinforcing
	03 22 13 03 22 16 03 22 19	Galvanized Welded Wire Fabric Reinforcing Epoxy-Coated Welded Wire Fabric Reinforcing Composite Grid Reinforcing
03	23 00	Stressed Tendon Reinforcing
03	24 00	Fibrous Reinforcing
03	25 00 03 25 13 03 25 16 03 25 19	Composite Reinforcing Glass Fiber-Reinforced Polymer Reinforcing Organic Fiber-Reinforced Polymer Reinforcing Carbon Fiber-Reinforced Polymer Reinforcing
03	30 00	Cast-in-Place Concrete
	03 30 53	Miscellaneous Cast-in-Place Concrete

03 31 13	03 31 00	Structural Concrete
03 31 16 03 31 19 03 31 23 03 31 23 03 31 24 03 31 26 03 33 00 03 33 00 03 33 13 03 33 13 03 33 13 03 33 13 03 33 13 03 33 13 03 33 14 03 33 16 03 33 16 03 35 00 03 35 00 03 35 13 03 35 13 03 35 13 03 35 13 03 35 13 03 35 13 03 35 13 03 35 13 03 35 13 03 35 13 03 35 13 03 35 14 03 35 15 03 35 15 03 35 16 03 35 19 04 16 05 10 3 35 19 05 10 10 10 10 10 10 10 10 10 10 10 10 10		
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03 37 16 03 37 19 03 37 23 03 37 26 03 37 26 Underwater Placed Concrete 03 38 00 03 38 13 03 38 16 03 38 16 03 38 19 Post-Tensioned Concrete 03 38 19 Post-Tensioned Concrete 03 39 10 Concrete Curing 03 39 13 03 39 13 03 39 13 03 39 23 Membrane Concrete Curing 03 39 23.13 03 39 23.23 Chemical Compound Membrane Concrete Curing 03 41 00 Precast Concrete 03 41 13 Precast Concrete Slabs 03 41 23 Precast Structural Concrete 03 41 36 Precast Structural Pretensioned Concrete Precast Structural Concrete Precast Structural Pretensioned Concrete Precast Structural Post-Tensioned Concrete		
03 37 19 03 37 23 03 37 26 03 37 26 Underwater Placed Concrete 03 38 00 Post-Tensioned Concrete 03 38 13 03 38 16 03 38 16 03 38 19 Post-Tensioned Concrete 03 38 19 Post-Tensioned Concrete 03 38 19 Occupate Curing 03 39 10 03 39 13 03 39 16 03 39 23 03 39 23 03 39 23 03 39 23.13 03 39 23.23 Precast Concrete Curing 03 41 00 Precast Concrete Curing 03 41 13 Precast Concrete Hollow Core Planks 03 41 13 Precast Concrete Stairs 03 41 33 Precast Structural Pretensioned Concrete 03 45 00 Precast Architectural Concrete Precast Concrete Precast Structural Post-Tensioned Concrete Precast Structural Concrete		
03 37 23		•
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03 38 13		
03 38 16 03 38 19 Bonded Post-Tensioned Concrete 03 39 00 Concrete Curing 03 39 13 Water Concrete Curing 03 39 16 Sand Concrete Curing 03 39 23 Membrane Concrete Curing 03 39 23.13 Chemical Compound Membrane Concrete Curing 03 39 23.23 Chemical Compound Membrane Concrete Curing 03 40 00 Precast Concrete 03 41 13 Precast Structural Concrete 03 41 16 Precast Concrete Slabs 03 41 23 Precast Concrete Stairs 03 41 33 Precast Structural Pretensioned Concrete 03 41 36 Precast Structural Post-Tensioned Concrete Precast Structural Post-Tensioned Concrete Precast Architectural Concrete		
03 38 19 O3 39 00 Concrete Curing 03 39 13 Water Concrete Curing Sand Concrete Curing Membrane Concrete Curing O3 39 23 Membrane Concrete Curing Chemical Compound Membrane Concrete Curing Sheet Membrane Concrete Curing O3 40 00 Precast Concrete O3 41 13 Precast Structural Concrete Precast Concrete Hollow Core Planks O3 41 16 Precast Concrete Slabs O3 41 23 Precast Structural Pretensioned Concrete O3 41 33 Precast Structural Pretensioned Concrete Precast Structural Post-Tensioned Concrete Precast Structural Post-Tensioned Concrete Precast Architectural Concrete		
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03 39 16 03 39 23 Membrane Concrete Curing 03 39 23.13 Chemical Compound Membrane Concrete Curing 03 39 23.23 Sheet Membrane Concrete Curing O3 40 00 Precast Concrete 03 41 13 Precast Concrete Hollow Core Planks 03 41 16 Precast Concrete Slabs 03 41 23 Precast Concrete Stairs 03 41 33 Precast Structural Pretensioned Concrete 03 41 36 Precast Structural Post-Tensioned Concrete Precast Architectural Concrete		
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03 39 23.13 03 39 23.23 Chemical Compound Membrane Concrete Curing Sheet Membrane Concrete Curing Precast Concrete 03 41 00 03 41 13 03 41 16 03 41 23 03 41 23 03 41 33 03 41 36 Precast Structural Pretensioned Concrete Precast Structural Post-Tensioned Concrete Precast Architectural Concrete		
03 39 23.23 Sheet Membrane Concrete Curing 03 40 00 Precast Concrete 03 41 00 Precast Structural Concrete 03 41 13 Precast Concrete Hollow Core Planks 03 41 16 Precast Concrete Slabs 03 41 23 Precast Concrete Stairs 03 41 33 Precast Structural Pretensioned Concrete 03 41 36 Precast Structural Post-Tensioned Concrete 03 45 00 Precast Architectural Concrete		
03 41 00 Precast Structural Concrete 03 41 13 Precast Concrete Hollow Core Planks 03 41 16 Precast Concrete Slabs 03 41 23 Precast Concrete Stairs 03 41 33 Precast Structural Pretensioned Concrete 03 41 36 Precast Structural Post-Tensioned Concrete 03 45 00 Precast Architectural Concrete		
03 41 13 Precast Concrete Hollow Core Planks 03 41 16 Precast Concrete Slabs 03 41 23 Precast Concrete Stairs 03 41 33 Precast Structural Pretensioned Concrete 03 41 36 Precast Structural Post-Tensioned Concrete 03 45 00 Precast Architectural Concrete	03 40 00	Precast Concrete
03 41 13 Precast Concrete Hollow Core Planks 03 41 16 Precast Concrete Slabs 03 41 23 Precast Concrete Stairs 03 41 33 Precast Structural Pretensioned Concrete 03 41 36 Precast Structural Post-Tensioned Concrete 03 45 00 Precast Architectural Concrete	03 41 00	Precast Structural Concrete
03 41 16 Precast Concrete Slabs 03 41 23 Precast Concrete Stairs 03 41 33 Precast Structural Pretensioned Concrete 03 41 36 Precast Structural Post-Tensioned Concrete 03 45 00 Precast Architectural Concrete		
03 41 23 Precast Concrete Stairs 03 41 33 Precast Structural Pretensioned Concrete 03 41 36 Precast Structural Post-Tensioned Concrete 03 45 00 Precast Architectural Concrete		
03 41 33 Precast Structural Pretensioned Concrete 03 41 36 Precast Structural Post-Tensioned Concrete 03 45 00 Precast Architectural Concrete		
03 41 36 Precast Structural Post-Tensioned Concrete 03 45 00 Precast Architectural Concrete		Precast Structural Pretensioned Concrete
03 45 00 Precast Architectural Concrete		Precast Structural Post-Tensioned Concrete
		Precast Architectural Concrete
	03 45 13	Faced Architectural Precast Concrete

03 45 33	Precast Architectural Pretensioned Concrete
03 45 36	Precast Architectural Post-Tensioned Concrete
03 47 00	Site-Cast Concrete
03 47 13 03 47 16	Tilt-Up Concrete Lift-Slab Concrete
03 48 00	
03 48 13	Precast Concrete Specialties Precast Concrete Bollards
03 48 13.11	Precast Concrete Security Bollards
03 48 16	Precast Concrete Splash Blocks
03 48 19	Precast Concrete Stair Treads
03 48 26	Precast Concrete Parking Bumpers
03 48 33	Precast Pre-Framed Concrete Panels
03 48 43	Precast Concrete Trim
03 49 00	Glass-Fiber-Reinforced Concrete
03 49 13 03 49 16	Glass-Fiber-Reinforced Concrete Column Covers Glass-Fiber-Reinforced Concrete Spandrels
03 49 43	Glass-Fiber-Reinforced Concrete Trim
03 50 00	Cast Decks and Underlayment
03 51 00	Cast Roof Decks
03 51 00	Cast Roof Decks Cementitious Wood Fiber Decks
03 51 15	Gypsum Concrete Roof Decks
03 52 00	Lightweight Concrete Roof Insulation
03 52 13	Composite Concrete Roof Insulation
03 52 16	Lightweight Insulating Concrete
03 52 16.13	Lightweight Cellular Insulating Concrete
03 52 16.16	Lightweight Aggregate Insulating Concrete
03 53 00	Concrete Topping
03 53 13	Emery-Aggregate Concrete Topping
03 53 16	Iron-Aggregate Concrete Topping
03 53 19 03 54 00	Cont Underloyment
03 54 00	Cast Underlayment
03 54 16	Gypsum Cement Underlayment Hydraulic Cement Underlayment
03 60 00	
	Grouting
03 61 00	Cementitious Grouting
03 61 13	Dry-Pack Grouting
03 62 00	Non-Shrink Grouting
03 62 13 03 62 16	Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting
03 63 00	Epoxy Grouting
03 64 00	- · ·
03 64 23	Injection Grouting Epoxy Injection Grouting
03 70 00	Mass Concrete
03 71 00	Mass Concrete for Raft Foundations
03 72 00	Mass Concrete for Dams

03 80 00	Concrete Cutting and Boring
03 81 00	Concrete Cutting
03 81 13	Flat Concrete Sawing
03 81 16	Track Mounted Concrete Wall Sawing
03 81 19	Wire Concrete Wall Sawing
03 81 23	Hand Concrete Wall Sawing
03 81 26	Chain Concrete Wall Sawing
03 82 00	Concrete Boring
03 82 13	Concrete Core Drilling
04 00 00	Masonry
04 01 00	Maintenance of Masonry
04 01 20	Maintenance of Unit Masonry
04 01 20.41	Unit Masonry Stabilization
04 01 20.51	Unit Masonry Maintenance
04 01 20.52 04 01 20.91	Unit Masonry Cleaning
04 01 20.91	Unit Masonry Restoration Testing and Sampling Brick Units for Restoration
04 01 40	Maintenance of Stone Assemblies
04 01 40.51	Stone Maintenance
04 01 40.52	Stone Cleaning
04 01 40.91	Stone Restoration
04 01 50	Maintenance of Refractory Masonry
04 01 60	Maintenance of Corrosion-Resistant Masonry
04 01 70	Maintenance of Manufactured Masonry
04.02.00	
04 03 00	Conservation Treatment for Period Masonry
04 03 01	Conservation Treatment for Period Masonry Maintenance for Period Masonry
04 03 01 04 03 01.13	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning
04 03 01 04 03 01.13 04 03 05	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry
04 03 01 04 03 01.13	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning
04 03 01 04 03 01.13 04 03 05 04 03 05.13 04 03 05.16 04 03 05.19	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry Period Masonry Mortaring Period Masonry Grouting Period Masonry Anchorage and Reinforcing
04 03 01 04 03 01.13 04 03 05 04 03 05.13 04 03 05.16 04 03 05.19 04 03 21	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry Period Masonry Mortaring Period Masonry Grouting Period Masonry Anchorage and Reinforcing Conservation Treatment for Period Clay Unit Masonry
04 03 01 04 03 01.13 04 03 05 04 03 05.13 04 03 05.16 04 03 05.19 04 03 21 04 03 21.19	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry Period Masonry Mortaring Period Masonry Grouting Period Masonry Anchorage and Reinforcing Conservation Treatment for Period Clay Unit Masonry Clay Brick Conservation Treatment
04 03 01 04 03 01.13 04 03 05 04 03 05.13 04 03 05.16 04 03 05.19 04 03 21 04 03 21.19 04 03 21.21	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry Period Masonry Mortaring Period Masonry Grouting Period Masonry Anchorage and Reinforcing Conservation Treatment for Period Clay Unit Masonry Clay Brick Conservation Treatment Terra Cotta Conservation Treatment
04 03 01 04 03 01.13 04 03 05 04 03 05.13 04 03 05.16 04 03 05.19 04 03 21 04 03 21.19 04 03 21.21 04 03 21.23	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry Period Masonry Mortaring Period Masonry Grouting Period Masonry Anchorage and Reinforcing Conservation Treatment for Period Clay Unit Masonry Clay Brick Conservation Treatment Terra Cotta Conservation Treatment Fiance Block Conservation Treatment
04 03 01 04 03 01.13 04 03 05 04 03 05.13 04 03 05.16 04 03 05.19 04 03 21 04 03 21.19 04 03 21.21	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry Period Masonry Mortaring Period Masonry Grouting Period Masonry Anchorage and Reinforcing Conservation Treatment for Period Clay Unit Masonry Clay Brick Conservation Treatment Terra Cotta Conservation Treatment Fiance Block Conservation Treatment Conservation Treatment for Period Concrete Unit Masonry
04 03 01 04 03 01.13 04 03 05 04 03 05.13 04 03 05.16 04 03 05.19 04 03 21 04 03 21.19 04 03 21.21 04 03 21.23 04 03 22	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry Period Masonry Mortaring Period Masonry Grouting Period Masonry Anchorage and Reinforcing Conservation Treatment for Period Clay Unit Masonry Clay Brick Conservation Treatment Terra Cotta Conservation Treatment Fiance Block Conservation Treatment
04 03 01 04 03 01.13 04 03 05 04 03 05.13 04 03 05.16 04 03 05.19 04 03 21 04 03 21.19 04 03 21.21 04 03 21.23 04 03 22 04 03 24	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry Period Masonry Mortaring Period Masonry Grouting Period Masonry Anchorage and Reinforcing Conservation Treatment for Period Clay Unit Masonry Clay Brick Conservation Treatment Terra Cotta Conservation Treatment Fiance Block Conservation Treatment Conservation Treatment for Period Concrete Unit Masonry Conservation Treatment for Period Adobe Unit Masonry Conservation Treatment for Period Stone Masonry
04 03 01 04 03 01.13 04 03 05 04 03 05.13 04 03 05.16 04 03 05.19 04 03 21 04 03 21.19 04 03 21.21 04 03 21.23 04 03 22 04 03 24 04 03 43	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry Period Masonry Mortaring Period Masonry Grouting Period Masonry Anchorage and Reinforcing Conservation Treatment for Period Clay Unit Masonry Clay Brick Conservation Treatment Terra Cotta Conservation Treatment Fiance Block Conservation Treatment Conservation Treatment for Period Concrete Unit Masonry Conservation Treatment for Period Adobe Unit Masonry Conservation Treatment for Period Stone Masonry Common Work Results for Masonry
04 03 01 04 03 01.13 04 03 05 04 03 05.13 04 03 05.16 04 03 05.19 04 03 21 04 03 21.19 04 03 21.21 04 03 21.23 04 03 22 04 03 24 04 03 43 04 05 00	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry Period Masonry Mortaring Period Masonry Grouting Period Masonry Anchorage and Reinforcing Conservation Treatment for Period Clay Unit Masonry Clay Brick Conservation Treatment Terra Cotta Conservation Treatment Fiance Block Conservation Treatment Conservation Treatment for Period Concrete Unit Masonry Conservation Treatment for Period Adobe Unit Masonry Conservation Treatment for Period Stone Masonry
04 03 01 04 03 01.13 04 03 05 04 03 05.13 04 03 05.16 04 03 05.19 04 03 21 04 03 21.19 04 03 21.21 04 03 21.23 04 03 22 04 03 24 04 03 43 04 05 00 04 05 05 04 05 13 04 05 13.16	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry Period Masonry Mortaring Period Masonry Grouting Period Masonry Anchorage and Reinforcing Conservation Treatment for Period Clay Unit Masonry Clay Brick Conservation Treatment Terra Cotta Conservation Treatment Fiance Block Conservation Treatment Conservation Treatment for Period Concrete Unit Masonry Conservation Treatment for Period Adobe Unit Masonry Conservation Treatment for Period Stone Masonry Common Work Results for Masonry Selective Demolition for Masonry Masonry Mortaring Chemical-Resistant Masonry Mortaring
04 03 01 04 03 01.13 04 03 05 04 03 05.13 04 03 05.16 04 03 05.19 04 03 21 04 03 21.19 04 03 21.21 04 03 21.23 04 03 22 04 03 24 04 03 43 04 05 00 04 05 05 04 05 13.16 04 05 13.19	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry Period Masonry Mortaring Period Masonry Grouting Period Masonry Anchorage and Reinforcing Conservation Treatment for Period Clay Unit Masonry Clay Brick Conservation Treatment Terra Cotta Conservation Treatment Fiance Block Conservation Treatment Conservation Treatment for Period Concrete Unit Masonry Conservation Treatment for Period Adobe Unit Masonry Conservation Treatment for Period Stone Masonry Common Work Results for Masonry Selective Demolition for Masonry Masonry Mortaring Chemical-Resistant Masonry Mortaring Epoxy Masonry Mortaring
04 03 01 04 03 01.13 04 03 05.13 04 03 05.16 04 03 05.16 04 03 05.19 04 03 21 04 03 21.19 04 03 21.21 04 03 21.23 04 03 22 04 03 24 04 03 43 04 05 00 04 05 05 04 05 13 04 05 13.16 04 05 13.23	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry Period Masonry Mortaring Period Masonry Grouting Period Masonry Anchorage and Reinforcing Conservation Treatment for Period Clay Unit Masonry Clay Brick Conservation Treatment Terra Cotta Conservation Treatment Fiance Block Conservation Treatment Conservation Treatment for Period Concrete Unit Masonry Conservation Treatment for Period Adobe Unit Masonry Conservation Treatment for Period Stone Masonry Conservation Treatment for Period Stone Masonry Selective Demolition for Masonry Masonry Mortaring Chemical-Resistant Masonry Mortaring Epoxy Masonry Mortaring Surface Bonding Masonry Mortaring
04 03 01 04 03 01.13 04 03 05.13 04 03 05.16 04 03 05.16 04 03 05.19 04 03 21 04 03 21.19 04 03 21.21 04 03 21.23 04 03 22 04 03 24 04 03 43 04 05 00 04 05 13 04 05 13.16 04 05 13.23 04 05 13.23 04 05 13.23	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry Period Masonry Mortaring Period Masonry Grouting Period Masonry Anchorage and Reinforcing Conservation Treatment for Period Clay Unit Masonry Clay Brick Conservation Treatment Terra Cotta Conservation Treatment Fiance Block Conservation Treatment Conservation Treatment for Period Concrete Unit Masonry Conservation Treatment for Period Adobe Unit Masonry Conservation Treatment for Period Stone Masonry Common Work Results for Masonry Selective Demolition for Masonry Masonry Mortaring Chemical-Resistant Masonry Mortaring Epoxy Masonry Mortaring Surface Bonding Masonry Mortaring Engineered Masonry Mortaring
04 03 01 04 03 01.13 04 03 05.13 04 03 05.16 04 03 05.16 04 03 05.19 04 03 21 04 03 21.19 04 03 21.21 04 03 21.23 04 03 22 04 03 24 04 03 43 04 05 00 04 05 05 04 05 13 04 05 13.16 04 05 13.23	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry Period Masonry Mortaring Period Masonry Grouting Period Masonry Anchorage and Reinforcing Conservation Treatment for Period Clay Unit Masonry Clay Brick Conservation Treatment Terra Cotta Conservation Treatment Fiance Block Conservation Treatment Conservation Treatment for Period Concrete Unit Masonry Conservation Treatment for Period Adobe Unit Masonry Conservation Treatment for Period Stone Masonry Common Work Results for Masonry Selective Demolition for Masonry Masonry Mortaring Chemical-Resistant Masonry Mortaring Epoxy Masonry Mortaring Surface Bonding Masonry Mortaring Engineered Masonry Mortaring Refractory Masonry Mortaring
04 03 01 04 03 01.13 04 03 05.13 04 03 05.16 04 03 05.16 04 03 05.19 04 03 21 04 03 21.19 04 03 21.21 04 03 21.23 04 03 22 04 03 24 04 03 43 04 05 00 04 05 13 04 05 13.16 04 05 13.23 04 05 13.23 04 05 13.23 04 05 13.23	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry Period Masonry Mortaring Period Masonry Grouting Period Masonry Anchorage and Reinforcing Conservation Treatment for Period Clay Unit Masonry Clay Brick Conservation Treatment Terra Cotta Conservation Treatment Fiance Block Conservation Treatment Conservation Treatment for Period Concrete Unit Masonry Conservation Treatment for Period Adobe Unit Masonry Conservation Treatment for Period Stone Masonry Conservation Treatment for Period Stone Masonry Common Work Results for Masonry Selective Demolition for Masonry Masonry Mortaring Chemical-Resistant Masonry Mortaring Epoxy Masonry Mortaring Surface Bonding Masonry Mortaring Engineered Masonry Mortaring Refractory Masonry Mortaring Masonry Restoration Mortaring Masonry Grouting
04 03 01 04 03 01.13 04 03 05.13 04 03 05.16 04 03 05.16 04 03 05.19 04 03 21 04 03 21.19 04 03 21.21 04 03 21.23 04 03 22 04 03 24 04 03 43 04 05 00 04 05 05 04 05 13 04 05 13.16 04 05 13.23 04 05 13.23 04 05 13.29 04 05 13.91	Conservation Treatment for Period Masonry Maintenance for Period Masonry Period Masonry Cleaning Common Work Results for Period Masonry Period Masonry Mortaring Period Masonry Grouting Period Masonry Anchorage and Reinforcing Conservation Treatment for Period Clay Unit Masonry Clay Brick Conservation Treatment Terra Cotta Conservation Treatment Fiance Block Conservation Treatment Conservation Treatment for Period Concrete Unit Masonry Conservation Treatment for Period Adobe Unit Masonry Conservation Treatment for Period Stone Masonry Common Work Results for Masonry Selective Demolition for Masonry Masonry Mortaring Chemical-Resistant Masonry Mortaring Epoxy Masonry Mortaring Surface Bonding Masonry Mortaring Engineered Masonry Mortaring Refractory Masonry Mortaring Refractory Masonry Mortaring Masonry Restoration Mortaring

04 05 19 04 05 19.13 04 05 19.16 04 05 19.26 04 05 19.29 04 05 21 04 05 23 04 05 23.13 04 05 23.16 04 05 23.19 04 06 00 04 06 20 04 06 20.13 04 06 40 04 06 50 04 06 60 04 06 70	Masonry Anchorage and Reinforcing Continuous Joint Reinforcing Masonry Anchors Masonry Reinforcing Bars Stone Anchors Masonry Strengthening Masonry Accessories Masonry Control and Expansion Joints Masonry Embedded Flashing Masonry Cavity Drainage, Weepholes, and Vents Schedules for Masonry Schedules for Unit Masonry Masonry Unit Schedule Schedules for Stone Assemblies Schedules for Refractory Masonry Schedules for Corrosion-Resistant Masonry Schedules for Manufactured Masonry
04 08 00	Commissioning of Masonry
04 20 00	Unit Masonry
04 21 00	Clay Unit Masonry
04 21 13 04 21 13.13	Brick Masonry
04 21 13.13	Brick Veneer Masonry Surface-Bonded Brick Masonry
04 21 16	Ceramic Glazed Clay Masonry
04 21 19	Clay Tile Masonry
04 21 23	Structural Clay Tile Masonry
04 21 26	Glazed Structural Clay Tile Masonry
04 21 29	Terra Cotta Masonry
04 22 00	Concrete Unit Masonry
04 22 00.13	Concrete Unit Veneer Masonry
04 22 00.16 04 22 19	Surface-Bonded Concrete Unit Masonry
04 22 19	Insulated Concrete Unit Masonry Architectural Concrete Unit Masonry
04 22 23.13	Exposed Aggregate Concrete Unit Masonry
04 22 23.16	Fluted Concrete Unit Masonry
04 22 23.19	Molded-Face Concrete Unit Masonry
04 22 23.23	Prefaced Concrete Unit Masonry
04 22 23.26 04 22 23.29	Sound-Absorbing Concrete Unit Masonry Split-Face Concrete Unit Masonry
04 22 26	Autoclaved Aerated Concrete Unit Masonry
04 22 33	Interlocking Concrete Unit Masonry
04 23 00	Glass Unit Masonry
04 23 13	Vertical Glass Unit Masonry
04 23 16	Glass Unit Masonry Floors
04 23 19	Glass Unit Masonry Skylights
04 24 00	Adobe Unit Masonry
04 24 13	Site-Cast Adobe Unit Masonry
04 24 16	Manufactured Adobe Unit Masonry
04 25 00	Unit Masonry Panels
04 25 13	Metal-Supported Unit Masonry Panels

04 26 00 04 26 13	Single-Wythe Unit Masonry
	Masonry Veneer
04 27 00	Multiple-Wythe Unit Masonry
04 27 13 04 27 23	Composite Unit Masonry
	Cavity Wall Unit Masonry
04 28 00	Concrete Form Masonry Units
04 28 13 04 28 23	Dry-Stacked, Concrete-Filled Masonry Units
	Mortar-Set, Concrete-Filled Masonry Units
04 29 00	Engineered Unit Masonry
04 40 00	Stone Assemblies
04 41 00	Dry-Placed Stone
04 42 00	Exterior Stone Cladding
04 42 13	Masonry-Supported Stone Cladding
04 42 16	Steel-Stud-Supported Stone Cladding
04 42 19	Strongback-Frame-Supported Stone Cladding
04 42 23	Truss-Supported Stone Cladding
04 42 26	Grid-System-Supported Stone Cladding
04 42 43	Stone Panels for Curtain Walls
04 43 00	Stone Masonry
04 43 13	Stone Masonry Veneer
04 43 13.13	Anchored Stone Masonry Veneer
04 43 13.16 04 43 16	Adhered Stone Masonry Veneer Stone Fabrications
NA EN NN	
04 50 00	Refractory Masonry
04 51 00	Flue Liner Masonry
04 51 00	Flue Liner Masonry
04 51 00 04 52 00	Flue Liner Masonry Combustion Chamber Masonry Castable Refractory Masonry
04 51 00 04 52 00 04 53 00	Flue Liner Masonry Combustion Chamber Masonry Castable Refractory Masonry Refractory Brick Masonry
04 51 00 04 52 00 04 53 00 04 54 00	Flue Liner Masonry Combustion Chamber Masonry Castable Refractory Masonry
04 51 00 04 52 00 04 53 00 04 54 00 04 57 00	Flue Liner Masonry Combustion Chamber Masonry Castable Refractory Masonry Refractory Brick Masonry Masonry Fireplaces Modular Masonry Fireplaces
04 51 00 04 52 00 04 53 00 04 54 00 04 57 00 04 57 33 04 60 00	Flue Liner Masonry Combustion Chamber Masonry Castable Refractory Masonry Refractory Brick Masonry Masonry Fireplaces Modular Masonry Fireplaces Corrosion-Resistant Masonry
04 51 00 04 52 00 04 53 00 04 54 00 04 57 00 04 57 33	Flue Liner Masonry Combustion Chamber Masonry Castable Refractory Masonry Refractory Brick Masonry Masonry Fireplaces Modular Masonry Fireplaces
04 51 00 04 52 00 04 53 00 04 54 00 04 57 00 04 57 33 04 60 00 04 61 00 04 62 00	Flue Liner Masonry Combustion Chamber Masonry Castable Refractory Masonry Refractory Brick Masonry Masonry Fireplaces Modular Masonry Fireplaces Corrosion-Resistant Masonry Chemical-Resistant Brick Masonry Vitrified Clay Liner Plate
04 51 00 04 52 00 04 53 00 04 54 00 04 57 00 04 57 33 04 60 00 04 61 00 04 62 00 04 70 00	Flue Liner Masonry Combustion Chamber Masonry Castable Refractory Masonry Refractory Brick Masonry Masonry Fireplaces Modular Masonry Fireplaces Corrosion-Resistant Masonry Chemical-Resistant Brick Masonry Vitrified Clay Liner Plate Manufactured Masonry
04 51 00 04 52 00 04 53 00 04 54 00 04 57 00 04 57 33 04 60 00 04 61 00 04 62 00 04 70 00 04 71 00	Flue Liner Masonry Combustion Chamber Masonry Castable Refractory Masonry Refractory Brick Masonry Masonry Fireplaces Modular Masonry Fireplaces Corrosion-Resistant Masonry Chemical-Resistant Brick Masonry Vitrified Clay Liner Plate Manufactured Masonry Manufactured Brick Masonry
04 51 00 04 52 00 04 53 00 04 54 00 04 57 00 04 57 33 04 60 00 04 61 00 04 62 00 04 70 00 04 71 00 04 71 13	Flue Liner Masonry Combustion Chamber Masonry Castable Refractory Masonry Refractory Brick Masonry Masonry Fireplaces Modular Masonry Fireplaces Corrosion-Resistant Masonry Chemical-Resistant Brick Masonry Vitrified Clay Liner Plate Manufactured Masonry Manufactured Brick Masonry Calcium Silicate Manufactured Brick Masonry
04 51 00 04 52 00 04 53 00 04 54 00 04 57 00 04 57 33 04 60 00 04 61 00 04 62 00 04 71 00 04 71 13 04 72 00	Flue Liner Masonry Combustion Chamber Masonry Castable Refractory Masonry Refractory Brick Masonry Masonry Fireplaces Modular Masonry Fireplaces Corrosion-Resistant Masonry Chemical-Resistant Brick Masonry Vitrified Clay Liner Plate Manufactured Masonry Manufactured Brick Masonry Calcium Silicate Manufactured Brick Masonry Cast Stone Masonry
04 51 00 04 52 00 04 53 00 04 54 00 04 57 00 04 57 33 04 60 00 04 61 00 04 62 00 04 70 00 04 71 00 04 71 13 04 72 00 04 73 00	Flue Liner Masonry Combustion Chamber Masonry Castable Refractory Masonry Refractory Brick Masonry Masonry Fireplaces Modular Masonry Fireplaces Corrosion-Resistant Masonry Chemical-Resistant Brick Masonry Vitrified Clay Liner Plate Manufactured Masonry Manufactured Brick Masonry Calcium Silicate Manufactured Brick Masonry Cast Stone Masonry Manufactured Stone Masonry
04 51 00 04 52 00 04 53 00 04 54 00 04 57 00 04 57 33 04 60 00 04 61 00 04 62 00 04 71 00 04 71 13 04 72 00 04 73 13	Flue Liner Masonry Combustion Chamber Masonry Castable Refractory Masonry Refractory Brick Masonry Masonry Fireplaces Modular Masonry Fireplaces Corrosion-Resistant Masonry Chemical-Resistant Brick Masonry Vitrified Clay Liner Plate Manufactured Masonry Manufactured Brick Masonry Calcium Silicate Manufactured Brick Masonry Cast Stone Masonry Manufactured Stone Masonry Calcium Silicate Manufactured Stone Masonry
04 51 00 04 52 00 04 53 00 04 54 00 04 57 00 04 57 33 04 60 00 04 61 00 04 62 00 04 70 00 04 71 00 04 71 13 04 72 00 04 73 00	Flue Liner Masonry Combustion Chamber Masonry Castable Refractory Masonry Refractory Brick Masonry Masonry Fireplaces Modular Masonry Fireplaces Corrosion-Resistant Masonry Chemical-Resistant Brick Masonry Vitrified Clay Liner Plate Manufactured Masonry Manufactured Brick Masonry Calcium Silicate Manufactured Brick Masonry Cast Stone Masonry Manufactured Stone Masonry Calcium Silicate Manufactured Stone Masonry Calcium Silicate Manufactured Stone Masonry Metals
04 51 00 04 52 00 04 53 00 04 54 00 04 57 00 04 57 33 04 60 00 04 61 00 04 62 00 04 71 00 04 71 13 04 72 00 04 73 13	Flue Liner Masonry Combustion Chamber Masonry Castable Refractory Masonry Refractory Brick Masonry Masonry Fireplaces Modular Masonry Fireplaces Corrosion-Resistant Masonry Chemical-Resistant Brick Masonry Vitrified Clay Liner Plate Manufactured Masonry Manufactured Brick Masonry Calcium Silicate Manufactured Brick Masonry Cast Stone Masonry Manufactured Stone Masonry Calcium Silicate Manufactured Stone Masonry
04 51 00 04 52 00 04 53 00 04 54 00 04 57 00 04 57 33 04 60 00 04 61 00 04 62 00 04 70 00 04 71 13 04 72 00 04 73 13 05 00 00	Flue Liner Masonry Combustion Chamber Masonry Castable Refractory Masonry Refractory Brick Masonry Masonry Fireplaces Modular Masonry Fireplaces Corrosion-Resistant Masonry Chemical-Resistant Brick Masonry Vitrified Clay Liner Plate Manufactured Masonry Manufactured Brick Masonry Calcium Silicate Manufactured Brick Masonry Cast Stone Masonry Manufactured Stone Masonry Calcium Silicate Manufactured Stone Masonry Calcium Silicate Manufactured Stone Masonry Metals

05 04 00	Maintenance of Matal Decline
05 01 30	Maintenance of Metal Decking Maintenance of Cold-Formed Metal Framing
05 01 40 05 01 50	Maintenance of Metal Fabrications
05 01 70	Maintenance of Decorative Metal
05 01 70	Historic Treatment of Decorative Metal
05 03 00	Conservation Treatment for Period Metals
05 03 12 05 03 12.13	Conservation Treatment for Period Structural Steel Conservation Treatment for Period Architecturally Exposed Steel
05 03 12.13	Conservation Treatment for Period Structural Steel for Buildings
05 03 51	Conservation Treatment for Period Metal Stairs
05 03 58	Conservation Treatment for Period Column Covers
05 03 70	Conservation Treatment for Period Decorative Metal
05 03 71	Conservation Treatment for Period Decorative Metal Stairs
05 03 73	Conservation Treatment for Period Decorative Metal Railings
05 03 75	Conservation Treatment for Period Decorative Formed Metal
05 03 76	Conservation Treatment for Period Decorative Forged Metal
05 05 00	Common Work Results for Metals
05 05 05	Selective Demolition for Metals
05 05 13	Shop-Applied Coatings for Metal
05 05 19	Post-Installed Concrete Anchors
05 05 23	Metal Fastenings
05 05 53	Security Metal Fastenings
05 06 00	Schedules for Metals
05 06 10	Schedules for Structural Metal Framing
05 06 10.13	Steel Column Schedule
05 06 10.16	Steel Beam Schedule
05 06 20	Schedules for Metal Joists
05 06 20.13 05 06 30	Steel Joist Schedule Schedules for Metal Decking
05 06 40	Schedules for Cold-Formed Metal Framing
05 06 50	Schedules for Metal Fabrications
05 06 70	Schedules for Decorative Metal
05 08 00	Commissioning of Metals
05 10 00	Structural Metal Framing
05 12 00	Structural Steel Framing
05 12 13	Architecturally-Exposed Structural Steel Framing
05 12 16	Fabricated Fireproofed Steel Columns
05 12 19	Buckling Restrained Braces
05 12 23	Structural Steel for Buildings
05 12 33	Structural Steel for Bridges
05 13 00	Structural Stainless-Steel Framing
05 14 00	Structural Aluminum Framing
05 14 13	Architecturally-Exposed Structural Aluminum Framing
05 15 00	Wire Rope Assemblies
05 15 13	Aluminum Wire Rope Assemblies
05 15 16	Steel Wire Rope Assemblies
05 15 19	Stainless-Steel Wire Rope Assemblies
05 16 00	Structural Cabling

05 16 13 05 16 33 05 17 00 05 19 00 05 19 13 05 19 19 05 20 00 05 21 00 05 21 13 05 21 16 05 21 19 05 21 23 05 25 00	Cable Bow Truss Assemblies Bridge Cabling Structural Rod Assemblies Tension Rod and Cable Truss Assemblies Façade Support Truss Assemblies Canopy Support Truss Assemblies Metal Joists Steel Joist Framing Deep Longspan Steel Joist Framing Longspan Steel Joist Framing Open Web Steel Joist Framing Steel Joist Girder Framing Aluminum Joist Framing
05 30 00	Metal Decking
05 31 00 05 31 13 05 31 23 05 31 33 05 33 00 05 33 13 05 33 23	Steel Decking Steel Floor Decking Steel Roof Decking Steel Form Decking Aluminum Decking Aluminum Floor Decking Aluminum Roof Decking
05 34 00 05 35 00	Acoustical Metal Decking
05 35 00 05 36 00	Raceway Decking Assemblies Composite Metal Decking
05 36 13	Composite Metal Decking Composite Steel Plate and Elastomer Decking
05 40 00	Cold-Formed Metal Framing
05 41 00	Structural Metal Stud Framing
05 42 00 05 42 13 05 42 23 05 43 00	Cold-Formed Metal Joist Framing Cold-Formed Metal Floor Joist Framing Cold-Formed Metal Roof Joist Framing Slotted Channel Framing
05 44 00	Cold-Formed Metal Trusses
05 44 13 05 45 00 05 45 13 05 45 16 05 45 19 05 45 23	Cold-Formed Metal Roof Trusses Metal Support Assemblies Mechanical Metal Supports Electrical Metal Supports Communications Metal Supports Healthcare Metal Supports
05 50 00	Metal Fabrications
05 51 00 05 51 13 05 51 16 05 51 17 05 51 19	Metal Stairs Metal Pan Stairs Metal Floor Plate Stairs Alternating Tread Stairs

05.54.00	M () E
05 51 23	Metal Fire Escapes
05 51 33 05 51 33.13	Metal Ladders Vertical Metal Ladders
05 51 33.16	Inclined Metal Ladders
05 51 33.23	Alternating Tread Ladders
05 51 36	Metal Walkways
05 51 36.13	Metal Catwalks
05 51 36.16	Metal Ramps
05 51 36.19	Metal Platforms
05 52 00	Metal Railings
05 52 13	Pipe and Tube Railings
05 53 00	Metal Gratings
05 53 13	Bar Gratings
05 53 16	Plank Gratings
05 53 19	Expanded Metal Gratings
05 54 00	Metal Floor Plates
05 55 00	Metal Stair Treads and Nosings
05 55 13	Metal Stair Treads
05 55 16	Metal Stair Nosings
05 56 00	Metal Castings
05 58 00	Formed Metal Fabrications
05 58 13	Column Covers
05 58 16	Formed Metal Enclosures
05 58 19	Heating/Cooling Unit Covers
05 58 23	Formed Metal Guards
05 59 00	Metal Specialties
05 59 13	Metal Balconies
05 59 63	Detention Enclosures
05 70 00	Decorative Metal
05 71 00	Decorative Metal Stairs
05 71 13	Fabricated Metal Spiral Stairs
05 73 00	Decorative Metal Railings
05 73 13	Glazed Decorative Metal Railings
05 73 16	Wire Rope Decorative Metal Railings
05 74 00	Decorative Metal Castings
05 75 00	Decorative Formed Metal
U5 /h UU	Decorative Forged Metal
05 76 00 05 77 00	Decorative Forged Metal
05 77 00	Decorative Extruded Metal
05 77 00	Decorative Extruded Metal
05 77 00 06 00 00	Decorative Extruded Metal Wood, Plastics, and Composites
05 77 00 06 00 00 06 01 00 06 01 10 06 01 10.71	Decorative Extruded Metal Wood, Plastics, and Composites Maintenance of Wood, Plastics, and Composites Maintenance of Rough Carpentry Rough Carpentry Rehabilitation
05 77 00 06 00 00 06 01 00 06 01 10 06 01 10.71 06 01 10.91	Decorative Extruded Metal Wood, Plastics, and Composites Maintenance of Wood, Plastics, and Composites Maintenance of Rough Carpentry Rough Carpentry Rehabilitation Rough Carpentry Restoration
05 77 00 06 00 00 06 01 00 06 01 10 06 01 10.91 06 01 10.92	Decorative Extruded Metal Wood, Plastics, and Composites Maintenance of Wood, Plastics, and Composites Maintenance of Rough Carpentry Rough Carpentry Rehabilitation Rough Carpentry Restoration Rough Carpentry Preservation
05 77 00 06 00 00 06 01 00 06 01 10 06 01 10.71 06 01 10.91	Decorative Extruded Metal Wood, Plastics, and Composites Maintenance of Wood, Plastics, and Composites Maintenance of Rough Carpentry Rough Carpentry Rehabilitation Rough Carpentry Restoration

	06 01 20.91	Finish Carpentry Restoration
	06 01 20.92	Finish Carpentry Preservation
	06 01 40	Maintenance of Architectural Woodwork
	06 01 40.51	Architectural Woodwork Cleaning
	06 01 40.61 06 01 40.91	Architectural Woodwork Refinishing Architectural Woodwork Restoration
	06 01 40.91	Maintenance of Structural Plastics
	06 01 60 06 01 60.51	Maintenance of Plastic Fabrications
	06 01 60.51	Plastic Cleaning Plastic Rehabilitation
	06 01 60.91	Plastic Restoration
	06 01 60.92	Plastic Preservation
	06 01 70	Maintenance of Structural Composites
	06 01 80	Maintenance of Composite Assemblies
	06 01 80.51	Composite Cleaning
	06 01 80.71	Composite Rehabilitation
	06 01 80.91	Composite Restoration
	06 01 80.92	Composite Preservation
06	03 00	Conservation Treatment for Period Wood
	06 03 01	Maintenance for Period Wood
	06 03 01.31	Period Wood Storage and Protection
	06 03 05	Common Work Results for Period Wood
	06 03 05.73	Long-term Period Wood Treatment
	06 03 05.74	Eradication of Insects in Period Wood
	06 03 05.75	Antiseptic Treatment of Period Wood
	06 03 13	Conservation Treatment of Period Log Construction
	06 03 13.23	Conservation Treatment for Period Heavy Timber
	06 03 20	Conservation Treatment for Period Finish Carpentry
	06 03 20.13	Period Exterior Finish Carpentry
	06 03 20.23	Period Interior Finish Carpentry
	06 03 40	Conservation Treatment for Period Architectural Woodwork
	06 03 40.13	Period Exterior Architectural Woodwork
	06 03 40.23	Period Interior Architectural Woodwork
06	05 00	Common Work Results for Wood, Plastics, and
		Composites
	06 05 05	Selective Demolition for Wood, Plastics, and Composites
	06 05 23	Wood, Plastic, and Composite Fastenings
	06 05 73	Wood Treatment
	06 05 73.13	Fire-Retardant Wood Treatment
	06 05 73.33	Preservative Wood Treatment
	06 05 73.91	Long-Term Wood Treatment
	06 05 73.93	Eradication of Insects in Wood
	06 05 73.96	Antiseptic Treatment of Wood
	06 05 83	Shop-Applied Wood Coatings
06	06 00	Schedules for Wood, Plastics, and Composites
	06 06 10	Schedules for Rough Carpentry
	06 06 10.13	Nailing Schedule
	06 06 10.16	Wood Beam Schedule
	06 06 10.19	Plywood Shear Wall Schedule
	06 06 10.23	Plywood Web Joist Schedule Wood Truss Schedule
	06 06 10.26 06 06 20	Schedules for Finish Carpentry
	06 06 20	Schedules for Architectural Woodwork
	00 00 40	ochequies for Alchitectural Woodwork

06 06 50	Schedules for Structural Plastics
06 06 60	Schedules for Plastic Fabrications
06 06 70	Schedules for Structural Composites
06 06 80	Schedules for Composite Assemblies
06 08 00	Commissioning of Wood, Plastics, and Composites
06 10 00	Rough Carpentry
06 10 53	Miscellaneous Rough Carpentry
06 10 63	Exterior Rough Carpentry
06 11 00	Wood Framing
06 11 13	Engineered Wood Products
06 11 16	Mechanically Graded Lumber
06 12 00	Structural Panels
06 12 13	Cementitious Reinforced Panels
06 12 16	Stressed Skin Panels
06 13 00	Heavy Timber Construction
06 13 13	Log Construction
06 13 13.91	Period Horizontal Log Work
06 13 16	Pole Construction
06 13 23	Heavy Timber Framing
06 13 26	Heavy Timber Trusses
06 13 33	Heavy Timber Pier Construction
06 14 00	Treated Wood Foundations
06 15 00	Wood Decking
06 15 13	Wood Floor Decking
06 15 13.91	Carvel Planking
06 15 16	Wood Roof Decking
06 15 19	Timber Decking
06 15 23	Laminated Wood Decking
06 15 33	Wood Patio Decking
06 16 00	Sheathing
06 16 13	Insulating Sheathing
06 16 23	Subflooring
06 16 26	Underlayment
06 16 33	Wood Board Sheathing
06 16 36	Wood Panel Product Sheathing
06 16 43 06 16 53	Gypsum Sheathing Maisture Resistant Sheathing Reard
06 16 63	Moisture-Resistant Sheathing Board Cementitious Sheathing
06 17 00	Shop-Fabricated Structural Wood
06 17 13	Laminated Veneer Lumber
06 17 13	Cross-Laminated Timber
06 17 13	Parallel Strand Lumber
06 17 33	Wood I-Joists
06 17 36	Metal-Web Wood Joists
06 17 43	Rim Boards
06 17 53	Shop-Fabricated Wood Trusses
06 18 00	Glued-Laminated Construction
06 18 13	Glued-Laminated Beams

06 18 16	Glued-Laminated Columns
06 20 00	Finish Carpentry
06 20 13	Exterior Finish Carpentry
06 20 23	Interior Finish Carpentry
06 22 00	Millwork
06 22 13	Standard Pattern Wood Trim
06 25 00	Prefinished Paneling
06 25 13	Prefinished Hardboard Paneling
06 25 16	Prefinished Plywood Paneling
06 26 00	Board Paneling
06 26 13	Profile Board Paneling
06 40 00	Architectural Woodwork
06 40 13	Exterior Architectural Woodwork
06 40 23	Interior Architectural Woodwork
06 41 00	Architectural Wood Casework
06 41 13	Wood-Veneer-Faced Architectural Cabinets
06 41 16	Plastic-Laminate-Clad Architectural Cabinets
06 41 93	Cabinet and Drawer Hardware
06 42 00	Wood Paneling
06 42 13	Wood Board Paneling
06 42 14	Stile and Rail Wood Paneling
06 42 16	Flush Wood Paneling
06 42 19	Plastic-Laminate-Faced Wood Paneling
06 43 00	Wood Stairs and Railings
06 43 13	Wood Stairs
06 43 16	Wood Railings
06 44 00	Ornamental Woodwork
06 44 13	Wood Turnings
06 44 16	Wood Pilasters
06 44 19	Wood Grilles
06 44 23	Wood Corbels
06 44 26	Wood Cipials
06 44 29 06 44 33	Wood Finials Wood Mantels
06 44 36	Wood Pediment Heads
06 44 39	Wood Posts and Columns
06 46 00	Wood Trim
06 46 13	Wood Door and Window Casings
06 46 16	Wood Aprons
06 46 19	Wood Base and Shoe Moldings
06 46 23	Wood Chair Rails
06 46 26	Wood Cornices
06 46 29	Wood Fasciae and Soffits
06 46 33	Wood Stops, Stools, and Sills
06 46 91	Splicing of Wooden Components
06 48 00	Wood Frames
06 48 13	Exterior Wood Door Frames

06 48 16 06 48 19	Interior Wood Door Frames Ornamental Wood Frames
06 48 23 06 48 26	Stick-Built Wood Windows Wood-Veneer Frames
06 49 00	Wood Screens and Shutters
06 49 13	Wood Screens
06 49 16	Wood Blinds
06 49 19	Wood Shutters
06 50 00	Structural Plastics
06 51 00	Structural Plastic Shapes and Plates
06 51 13	Plastic Lumber
06 52 00	Plastic Structural Assemblies
06 53 00	Plastic Decking
06 53 13	Solid Plastic Decking
06 60 00	Plastic Fabrications
06 61 00	Cast Polymer Fabrications
06 61 13	Simulated Stone Fabrications
06 61 16	Solid Surfacing Fabrications
06 63 00	Plastic Railings
06 64 00	Plastic Paneling
06 64 13 06 65 00	Plastic Lattice Paneling Plastic Trim
	Custom Ornamental Simulated Woodwork
06 66 00	
06 70 00	Structural Composites
06 71 00	Structural Composite Shapes and Plates
06 71 13	Composite Lumber
06 72 00	Composite Structural Assemblies
06 72 13 06 72 23	Composite Joist Assemblies Composite Stair Assemblies
06 73 00	Composite Decking
06 73 13	Composite Structural Decking
06 74 00	Composite Gratings
06 74 13	Fiberglass Reinforced Gratings
06 80 00	Composite Fabrications
06 81 00	Composite Railings
06 81 13	Glass-Fiber-Reinforced Plastic Railings
06 82 00	Composite Trim
06 83 00	Composite Paneling
06 83 13	Resin Composite Paneling
06 83 16	Fiberglass Reinforced Paneling
07 00 00	Thermal and Moisture Protection

07 01 00	Operation and Maintenance of Thermal and Moisture
	Protection
07 01 10	Maintenance of Dampproofing and Waterproofing
07 01 10.81	Waterproofing Replacement Maintenance of Thermal Protection
07 01 20 07 01 30	
07 01 30	Maintenance of Steep Slope Roofing Maintenance of Roofing and Siding Panels
07 01 40	Maintenance of Membrane Roofing
07 01 50.13	Roof Moisture Survey
07 01 50.16	Roof Maintenance Program
07 01 50.19	Preparation for Re-Roofing
07 01 50.23	Roof Removal
07 01 50.61 07 01 50.81	Roof Re-Coating Roof Replacement
07 01 50.81	Roofing Restoration
07 01 60	Maintenance of Flashing and Sheet Metal
07 01 60.71	Flashing and Sheet Metal Rehabilitation
07 01 60.91	Flashing and Sheet Metal Restoration
07 01 60.92	Flashing and Sheet Metal Preservation
07 01 70	Operation and Maintenance of Roof Specialties and Accessories
07 01 80	Maintenance of Fire and Smoke Protection
07 01 90 07 01 90.71	Maintenance of Joint Protection Joint Sealant Rehabilitation
07 01 90.71	Joint Sealant Replacement
07 03 00	Conservation Treatment for Period Roofing
07 03 30	Conservation Treatment for Period Steep Slope Roofing
07 03 30.13	Conservation Treatment for Period Canvas Roofing
07 03 30.16	Conservation Treatment for Period Board Roofing
07 03 31	Conservation Treatment for Period Shingles and Shakes
07 03 31.16	Conservation Treatment for Period Metal Shingles
07 03 31.26	Conservation Treatment for Period Slate Shingles
07 03 31.29 07 03 32	Conservation Treatment for Period Wood Shingles and Shakes Conservation Treatment for Period Roof Tiles
07 03 32.13	Conservation Treatment for Period Clay Roof Tiles
07 03 32.16	Conservation Treatment for Period Concrete Roof Tiles
07 03 32.19	Conservation Treatment for Period Metal Roof Tiles
07 03 33	Conservation Treatment for Period Natural Roof Coverings
07 03 33.13	Conservation Treatment for Period Sod Roofing
07 03 40	Conservation Treatment for Period Roofing and Siding Panels
07 03 41	Conservative Treatment for Period Roof Panels Conservation Treatment for Period Metal Roof Panels
07 03 41.13 07 03 41.23	Conservation Treatment for Period Wood Roof Panels Conservation Treatment for Period Wood Roof Panels
07 03 41.23	Conservation Treatment for Period Wood Siding
07 03 60	Conservation Treatment of Period Flashing and Sheet Metal
07 03 61	Conservation Treatment for Period Sheet Metal Roofing
07 03 61.13	Conservation Treatment for Period Standing Seam Sheet Metal Roofing
07 03 61.16	Conservation Treatment for Period Batten Seam Sheet Metal Roofing
07 03 61.19	Conservation Treatment for Period Flat Seam Sheet Metal Roofing
07 05 00	Common Work Results for Thermal and Moisture
	Protection
07 05 05	Selective Demolition for Thermal and Moisture Protection
07 05 43	Cladding Support Systems

07 05 53 07 06 00 07 06 10 07 06 20 07 06 30 07 06 40 07 06 50 07 06 60 07 06 70 07 06 80 07 06 80.13 07 06 90 07 06 90.13	Fire and Smoke Assembly Identification Schedules for Thermal and Moisture Protection Schedules for Dampproofing and Waterproofing Schedules for Thermal Protection Schedules for Steep Slope Roofing Schedules for Roofing and Siding Panels Schedules for Membrane Roofing Schedules for Flashing and Sheet Metal Schedules for Roof Specialties and Accessories Schedules for Fire and Smoke Protection Fireproofing Schedule Firestopping Schedule Schedules for Joint Protection Joint Sealant Schedule
07 08 00	Commissioning of Thermal and Moisture Protection
07 10 00	Dampproofing and Waterproofing
07 11 00	Dampproofing
07 11 13 07 11 16	Bituminous Dampproofing Cementitious Dampproofing
07 11 10	Sheet Dampproofing
07 12 00	Built-Up Bituminous Waterproofing
07 12 13	Built-Up Asphalt Waterproofing
07 12 16	Built-Up Coal Tar Waterproofing
07 13 00	Sheet Waterproofing
07 13 13	Bituminous Sheet Waterproofing
07 13 26 07 13 52	Self-Adhering Sheet Waterproofing Modified Bituminous Sheet Waterproofing
07 13 53	Elastomeric Sheet Waterproofing
07 13 54	Thermoplastic Sheet Waterproofing
07 14 00	Fluid-Applied Waterproofing
07 14 13	Hot Fluid-Applied Rubberized Asphalt Waterproofing
07 14 14	Hot Fluid-Applied Polyurea Waterproofing
07 14 16 07 15 00	Cold Fluid-Applied Waterproofing Sheet Metal Waterproofing
07 15 00	Sheet Lead Waterproofing
07 16 00	Cementitious and Reactive Waterproofing
07 16 13	Polymer Modified Cement Waterproofing
07 16 16	Crystalline Waterproofing
07 16 19	Metal Oxide Waterproofing
07 17 00	Bentonite Waterproofing
07 17 13 07 17 16	Bentonite Panel Waterproofing
07 18 00	Bentonite Composite Sheet Waterproofing Traffic Coatings
07 18 13	Traffic Coatings Pedestrian Traffic Coatings
07 18 16	Vehicular Traffic Coatings
07 19 00	Water Repellents
07 19 13	Acrylic Water Repellents

07 19 16 07 19 19 07 19 23 07 19 26 07 19 29	Silane Water Repellents Silicone Water Repellents Siloxane Water Repellents Stearate Water Repellents Penetrating Polyester Water Repellents
07 20 00	Thermal Protection
07 21 00	Thermal Insulation
07 21 00	Board Insulation
07 21 13.13	
07 21 13.16	
07 21 13.19 07 21 16	Mineral Board Insulation Blanket Insulation
07 21 19	Foamed-In-Place Insulation
07 21 23	Loose-Fill Insulation
07 21 26 07 21 29	Blown Insulation
07 21 29	Sprayed Insulation Reflective Insulation
07 22 00	Roof and Deck Insulation
07 22 13	Asphaltic Perlite Concrete Deck
07 22 16	Roof Board Insulation
07 24 00	Exterior Insulation and Finish Systems
07 24 13 07 24 16	Polymer-Based Exterior Insulation and Finish System
07 24 10	Polymer-Modified Exterior Insulation and Finish System Water-Drainage Exterior Insulation and Finish System
07 24 23	Direct-Applied Finish Systems
07 25 00	Weather Barriers
07 26 00	Vapor Retarders
07 26 13	Above-Grade Vapor Retarders
07 26 16	Below-Grade Vapor Retarders
07 26 23	Below-Grade Gas Retarders
07 27 00 07 27 13	Air Barriers Modified Bituminous Sheet Air Barriers
07 27 16	Sheet Metal Membrane Air Barriers
07 27 19	Plastic Sheet Air Barriers
07 27 23	Board Product Air Barriers
07 27 26 07 27 36	Fluid-Applied Membrane Air Barriers Sprayed Foam Air Barrier
07 30 00	Steep Slope Roofing
07 30 91	Canvas Roofing
07 31 00	Shingles and Shakes
07 31 13	Asphalt Shingles
07 31 13.13	Fiberglass-Reinforced Asphalt Shingles
07 31 16	Metal Shingles
07 31 19 07 31 23	Mineral-Fiber Cement Shingles Porcelain Enamel Shingles
07 31 26	Slate Shingles
07 31 29	Wood Shingles and Shakes
07 31 29.13	Wood Shingles

07 31 29.16 07 31 33 07 31 53 07 32 00 07 32 13 07 32 14 07 32 16 07 32 19 07 32 23 07 32 26 07 32 29 07 33 00	Wood Shakes Composite Rubber Shingles Plastic Shakes Roof Tiles Clay Roof Tiles Ceramic and Porcelain Roof Tiles Concrete Roof Tiles Metal Roof Tiles Mineral-Fiber Cement Roof Tiles Plastic Roof Tiles Rubber Tiles/Panels Natural Roof Coverings
07 33 13	Sod Roofing
07 33 16	Thatched Roofing
07 33 63	Vegetated Steep-Slope Roofing
07 40 00	Roofing and Siding Panels
07 41 00	Roof Panels
07 41 13 07 41 16	Metal Roof Panels Insulated Metal Roof Panels
07 41 10	Wood Roof Panels
07 41 33	
07 41 43	Composite Roof Panels
07 41 63	Fabricated Roof Panel Assemblies
07 42 00	Wall Panels
07 42 13 07 42 13.13	
07 42 13.16	Metal Plate Wall Panels
07 42 13.19	
07 42 13.23 07 42 23	Metal Composite Material Wall Panels Wood Wall Panels
07 42 26	
07 42 29	
07 42 33	Plastic Wall Panels
07 42 43 07 42 46	Composite Wall Panels Cementitious Wall Panels
07 42 63	Fabricated Wall Panel Assemblies
07 42 93	Soffit Panels
07 44 00	Faced Panels
07 44 13	Aggregate Coated Panels
07 44 16 07 44 19	Porcelain Enameled Faced Panels Tile-Faced Panels
07 44 23	Ceramic-Tile-Faced Panels
07 44 33	Metal Faced Panels
07 44 53	Glass-Fiber-Reinforced Cementitious Panels
07 44 56 07 44 63	Mineral-Fiber-Reinforced Cementitious Panels Fabricated Faced Panel Assemblies
07 46 00	Siding
07 46 16	Aluminum Siding
07 46 19	Steel Siding

07 4 07 4 07 4 07 4 07 4 07 4	46 21 46 23 46 24 46 24.13 46 24.16 46 26 46 29 46 33 46 43 46 46 46 63	Zinc Siding Wood Siding Wood Shingle and Shake Siding Wood Shingle Siding Wood Shake Siding Hardboard Siding Plywood Siding Plywood Siding Plastic Siding Composition Siding Fiber-Cement Siding Fabricated Panel Assemblies with Siding
07 50	00	Membrane Roofing
07 51 0	00	Built-Up Bituminous Roofing
	51 13	Built-Up Asphalt Roofing
	51 13.13	Cold-Applied Built-Up Asphalt Roofing
	51 16	Built-Up Coal Tar Roofing
	51 23	Glass-Fiber-Reinforced Asphalt Emulsion Roofing
07 52 0	00	Modified Bituminous Membrane Roofing
	52 13	Atactic-Polypropylene-Modified Bituminous Membrane Roofing
07 5	52 13.11	Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane
07 5	52 13.13	Roofing Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing
	52 13.14	Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane
		Roofing
	52 16	Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
07 5	52 16.11	Cold Adhesive Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
07 5	52 16.12	Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
07 5	52 16.13	Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane
07.5	50 16 14	Roofing Machanically Fastaned Styrens Butadians Styrens Madified Bituminaus
07 3	52 16.14	Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
07 53 0	00	Elastomeric Membrane Roofing
	53 13	Chlorinated-Polyethylene Roofing
_	53 16	Chlorosulfonate-Polyethylene Roofing
	53 23	Ethylene-Propylene-Diene-Monomer Roofing
07	53 29	Polyisobutylene Roofing
07 54 0	00	Thermoplastic Membrane Roofing
07	54 13	Copolymer-Alloy Roofing
	54 16	Ketone Ethylene Ester Roofing
	54 19	Polyvinyl-Chloride Roofing
	54 23	Thermoplastic-Polyolefin Roofing
	54 26	Nitrile-Butadiene-Polymer Roofing
07 55 0		Protected Membrane Roofing
	55 51	Built-Up Bituminous Protected Membrane Roofing
	55 52 55 53	Modified Bituminous Protected Membrane Roofing Elastomeric Protected Membrane Roofing
	55 54	Thermoplastic Protected Membrane Roofing
	55 56	Fluid-Applied Protected Membrane Roofing
	55 56.13	Hot-Applied Rubberized Asphalt Protected Membrane Roofing

07 55 63	Vegetated Protected Membrane Roofing
07 56 00	Fluid-Applied Roofing
07 57 00	Coated Foamed Roofing
07 57 13	Sprayed Polyurethane Foam Roofing
07 58 00	Roll Roofing
07 60 00	Flashing and Sheet Metal
07 61 00	Sheet Metal Roofing
07 61 13	Standing Seam Sheet Metal Roofing
07 61 16	Batten Seam Sheet Metal Roofing
07 61 19	Flat Seam Sheet Metal Roofing
07 62 00	Sheet Metal Flashing and Trim
07 63 00	Sheet Metal Roofing Specialties
07 64 00	Sheet Metal Wall Cladding
07 64 13	Standing Seam Sheet Metal Wall Cladding
07 64 16	Batten Seam Sheet Metal Wall Cladding
07 64 19	Flat Seam Sheet Metal Wall Cladding
07 65 00	Flexible Flashing
07 65 13	Laminated Sheet Flashing
07 65 16	Modified Bituminous Sheet Flashing
07 65 19	Plastic Sheet Flashing
07 65 23	Rubber Sheet Flashing
07 65 26	Self-Adhering Sheet Flashing
07 70 00	Doof and Wall Chapitalise and
07 70 00	Roof and Wall Specialties and
07 70 00	
	Accessories
07 71 00	Accessories Roof Specialties
	Accessories Roof Specialties Manufactured Copings
07 71 00 07 71 13	Accessories Roof Specialties
07 71 00 07 71 13 07 71 16 07 71 19 07 71 23	Accessories Roof Specialties Manufactured Copings Manufactured Counterflashing Systems
07 71 00 07 71 13 07 71 16 07 71 19 07 71 23 07 71 23.13	Accessories Roof Specialties Manufactured Copings Manufactured Counterflashing Systems Manufactured Gravel Stops and Fasciae Manufactured Gutters and Downspouts Gutter Debris Guards
07 71 00 07 71 13 07 71 16 07 71 19 07 71 23 07 71 23.13 07 71 26	Accessories Roof Specialties Manufactured Copings Manufactured Counterflashing Systems Manufactured Gravel Stops and Fasciae Manufactured Gutters and Downspouts Gutter Debris Guards Reglets
07 71 00 07 71 13 07 71 16 07 71 19 07 71 23 07 71 23.13 07 71 26 07 71 29	Accessories Roof Specialties Manufactured Copings Manufactured Counterflashing Systems Manufactured Gravel Stops and Fasciae Manufactured Gutters and Downspouts Gutter Debris Guards Reglets Manufactured Roof Expansion Joints
07 71 00 07 71 13 07 71 16 07 71 19 07 71 23 07 71 23.13 07 71 26 07 71 29 07 71 33	Accessories Roof Specialties Manufactured Copings Manufactured Counterflashing Systems Manufactured Gravel Stops and Fasciae Manufactured Gutters and Downspouts Gutter Debris Guards Reglets Manufactured Roof Expansion Joints Manufactured Scuppers
07 71 00 07 71 13 07 71 16 07 71 19 07 71 23 07 71 23.13 07 71 26 07 71 29 07 71 33 07 72 00	Accessories Roof Specialties Manufactured Copings Manufactured Counterflashing Systems Manufactured Gravel Stops and Fasciae Manufactured Gutters and Downspouts Gutter Debris Guards Reglets Manufactured Roof Expansion Joints Manufactured Scuppers Roof Accessories
07 71 00 07 71 13 07 71 16 07 71 19 07 71 23 07 71 23.13 07 71 26 07 71 29 07 71 33 07 72 00 07 72 13	Accessories Roof Specialties Manufactured Copings Manufactured Counterflashing Systems Manufactured Gravel Stops and Fasciae Manufactured Gutters and Downspouts Gutter Debris Guards Reglets Manufactured Roof Expansion Joints Manufactured Scuppers Roof Accessories Manufactured Curbs
07 71 00 07 71 13 07 71 16 07 71 19 07 71 23 07 71 23.13 07 71 26 07 71 29 07 71 33 07 72 00 07 72 13 07 72 23	Accessories Roof Specialties Manufactured Copings Manufactured Counterflashing Systems Manufactured Gravel Stops and Fasciae Manufactured Gutters and Downspouts Gutter Debris Guards Reglets Manufactured Roof Expansion Joints Manufactured Scuppers Roof Accessories Manufactured Curbs Relief Vents
07 71 00 07 71 13 07 71 16 07 71 19 07 71 23 07 71 23.13 07 71 26 07 71 29 07 71 33 07 72 00 07 72 13 07 72 23 07 72 26	Accessories Roof Specialties Manufactured Copings Manufactured Counterflashing Systems Manufactured Gravel Stops and Fasciae Manufactured Gutters and Downspouts Gutter Debris Guards Reglets Manufactured Roof Expansion Joints Manufactured Scuppers Roof Accessories Manufactured Curbs Relief Vents Ridge Vents
07 71 00 07 71 13 07 71 16 07 71 19 07 71 23 07 71 23.13 07 71 26 07 71 29 07 71 33 07 72 00 07 72 13 07 72 23 07 72 26 07 72 33	Accessories Roof Specialties Manufactured Copings Manufactured Counterflashing Systems Manufactured Gravel Stops and Fasciae Manufactured Gutters and Downspouts Gutter Debris Guards Reglets Manufactured Roof Expansion Joints Manufactured Scuppers Roof Accessories Manufactured Curbs Relief Vents Ridge Vents Roof Hatches
07 71 00 07 71 13 07 71 16 07 71 19 07 71 23 07 71 23.13 07 71 26 07 71 29 07 71 33 07 72 00 07 72 13 07 72 23 07 72 26 07 72 33 07 72 36	Accessories Roof Specialties Manufactured Copings Manufactured Counterflashing Systems Manufactured Gravel Stops and Fasciae Manufactured Gutters and Downspouts Gutter Debris Guards Reglets Manufactured Roof Expansion Joints Manufactured Scuppers Roof Accessories Manufactured Curbs Relief Vents Ridge Vents Roof Hatches Smoke Vents
07 71 00 07 71 13 07 71 16 07 71 19 07 71 23 07 71 23.13 07 71 26 07 71 29 07 71 33 07 72 00 07 72 13 07 72 23 07 72 26 07 72 33	Accessories Roof Specialties Manufactured Copings Manufactured Counterflashing Systems Manufactured Gravel Stops and Fasciae Manufactured Gutters and Downspouts Gutter Debris Guards Reglets Manufactured Roof Expansion Joints Manufactured Scuppers Roof Accessories Manufactured Curbs Relief Vents Ridge Vents Roof Hatches
07 71 00 07 71 13 07 71 16 07 71 19 07 71 23 07 71 23.13 07 71 26 07 71 29 07 71 33 07 72 00 07 72 13 07 72 23 07 72 23 07 72 33 07 72 36 07 72 39	Accessories Roof Specialties Manufactured Copings Manufactured Counterflashing Systems Manufactured Gravel Stops and Fasciae Manufactured Gutters and Downspouts Gutter Debris Guards Reglets Manufactured Roof Expansion Joints Manufactured Scuppers Roof Accessories Manufactured Curbs Relief Vents Ridge Vents Roof Hatches Smoke Vents Operable Roof Vents
07 71 00 07 71 13 07 71 16 07 71 19 07 71 23 07 71 23.13 07 71 26 07 71 29 07 71 33 07 72 00 07 72 13 07 72 23 07 72 23 07 72 33 07 72 36 07 72 39 07 72 43	Roof Specialties Manufactured Copings Manufactured Counterflashing Systems Manufactured Gravel Stops and Fasciae Manufactured Gutters and Downspouts Gutter Debris Guards Reglets Manufactured Roof Expansion Joints Manufactured Scuppers Roof Accessories Manufactured Curbs Relief Vents Ridge Vents Roof Hatches Smoke Vents Operable Roof Vents Roof Walk Boards
07 71 00 07 71 13 07 71 16 07 71 19 07 71 23 07 71 23.13 07 71 26 07 71 29 07 71 33 07 72 00 07 72 13 07 72 23 07 72 23 07 72 33 07 72 36 07 72 39 07 72 43 07 72 43 07 72 53 07 72 63	Roof Specialties Manufactured Copings Manufactured Counterflashing Systems Manufactured Gravel Stops and Fasciae Manufactured Gutters and Downspouts Gutter Debris Guards Reglets Manufactured Roof Expansion Joints Manufactured Scuppers Roof Accessories Manufactured Curbs Relief Vents Ridge Vents Roof Hatches Smoke Vents Operable Roof Vents Roof Walk Boards Roof Walkways Snow Guards Waste Containment Assemblies
07 71 00 07 71 13 07 71 16 07 71 19 07 71 23 07 71 23.13 07 71 26 07 71 29 07 71 33 07 72 00 07 72 13 07 72 23 07 72 26 07 72 33 07 72 36 07 72 39 07 72 43 07 72 46 07 72 53	Roof Specialties Manufactured Copings Manufactured Counterflashing Systems Manufactured Gravel Stops and Fasciae Manufactured Gutters and Downspouts Gutter Debris Guards Reglets Manufactured Roof Expansion Joints Manufactured Scuppers Roof Accessories Manufactured Curbs Relief Vents Ridge Vents Roof Hatches Smoke Vents Operable Roof Vents Roof Walk Boards Roof Walkways Snow Guards

07 76 13 07 76 16	Roof Ballast Pavers Roof Decking Pavers
07 77 00	Wall Specialties
07 80 00	Fire and Smoke Protection
07 81 00	Applied Fireproofing
07 81 13	Cement Aggregate Fireproofing
07 81 16	Cementitious Fireproofing
07 81 19 07 81 23	Foamed Magnesium-Oxychloride Fireproofing Intumescent Fireproofing
07 81 26	Magnesium Cement Fireproofing
07 81 29	Mineral-Fiber Cementitious Fireproofing
07 81 33	Mineral-Fiber Fireproofing
07 82 00	Board Fireproofing
07 82 13	Calcium-Silicate Board Fireproofing
07 82 16	Slag-Fiber Board Fireproofing
07 84 00 07 84 13	Firestopping Pagetration Firestopping
07 84 13.13	Penetration Firestopping Penetration Firestopping Mortars
07 84 13.16	Penetration Firestopping Devices
07 84 43	Joint Firestopping
07 84 53	Building Perimeter Firestopping
07 86 00	Smoke Seals
07 87 00	Smoke Containment Barriers
07 90 00	Joint Protection
07 90 00 07 91 00	Joint Protection Preformed Joint Seals
07 91 00 07 91 13	Preformed Joint Seals Compression Seals
07 91 00 07 91 13 07 91 16	Preformed Joint Seals Compression Seals Joint Gaskets
07 91 00 07 91 13 07 91 16 07 91 23	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers
07 91 00 07 91 13 07 91 16 07 91 23	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13 07 92 16 07 92 19	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13 07 92 16 07 92 19 07 95 00	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants Expansion Control
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13 07 92 16 07 92 19 07 95 00 07 95 13	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants Expansion Control Expansion Joint Cover Assemblies
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13 07 92 16 07 92 19 07 95 00 07 95 13 07 95 13.13	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants Expansion Control Expansion Joint Cover Assemblies Interior Expansion Joint Cover Assemblies
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13 07 92 16 07 92 19 07 95 00 07 95 13	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants Expansion Control Expansion Joint Cover Assemblies
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13 07 92 16 07 92 19 07 95 00 07 95 13 07 95 13.13 07 95 13.16 07 95 13.19 07 95 53	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants Expansion Control Expansion Joint Cover Assemblies Interior Expansion Joint Cover Assemblies Exterior Expansion Joint Cover Assemblies Parking Deck Expansion Joint Cover Assemblies Joint Slide Bearings
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13 07 92 16 07 92 19 07 95 00 07 95 13 07 95 13.13 07 95 13.13 07 95 13.16 07 95 13.19 07 95 53 07 95 63	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants Expansion Control Expansion Joint Cover Assemblies Interior Expansion Joint Cover Assemblies Exterior Expansion Joint Cover Assemblies Parking Deck Expansion Joint Cover Assemblies Joint Slide Bearings Bridge Expansion Joint Cover Assemblies
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13 07 92 16 07 92 19 07 95 00 07 95 13 07 95 13.13 07 95 13.16 07 95 13.19 07 95 53	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants Expansion Control Expansion Joint Cover Assemblies Interior Expansion Joint Cover Assemblies Exterior Expansion Joint Cover Assemblies Parking Deck Expansion Joint Cover Assemblies Joint Slide Bearings Bridge Expansion Joint Cover Assemblies
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13 07 92 16 07 92 19 07 95 00 07 95 13 07 95 13.13 07 95 13.13 07 95 13.16 07 95 13.19 07 95 53 07 95 63	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants Expansion Control Expansion Joint Cover Assemblies Interior Expansion Joint Cover Assemblies Exterior Expansion Joint Cover Assemblies Parking Deck Expansion Joint Cover Assemblies Joint Slide Bearings
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13 07 92 16 07 92 19 07 95 00 07 95 13 07 95 13.13 07 95 13.13 07 95 13.16 07 95 13.19 07 95 53 07 95 63 08 00 00 08 01 00 08 01 10	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants Expansion Control Expansion Joint Cover Assemblies Interior Expansion Joint Cover Assemblies Exterior Expansion Joint Cover Assemblies Parking Deck Expansion Joint Cover Assemblies Joint Slide Bearings Bridge Expansion Joint Cover Assemblies Openings Operation and Maintenance of Openings Operation and Maintenance of Doors and Frames
07 91 00	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants Expansion Control Expansion Joint Cover Assemblies Interior Expansion Joint Cover Assemblies Exterior Expansion Joint Cover Assemblies Parking Deck Expansion Joint Cover Assemblies Joint Slide Bearings Bridge Expansion Joint Cover Assemblies Openings Operation and Maintenance of Openings Operation and Maintenance of Doors and Frames Operation and Maintenance of Metal Doors and Frames
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13 07 92 16 07 92 19 07 95 00 07 95 13 07 95 13.13 07 95 13.13 07 95 13.16 07 95 13.19 07 95 53 07 95 63 08 00 00 08 01 00 08 01 10	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants Expansion Control Expansion Joint Cover Assemblies Interior Expansion Joint Cover Assemblies Exterior Expansion Joint Cover Assemblies Parking Deck Expansion Joint Cover Assemblies Joint Slide Bearings Bridge Expansion Joint Cover Assemblies Openings Operation and Maintenance of Openings Operation and Maintenance of Doors and Frames

Operation and Maintenance of Composite Doors Operation and Maintenance of Integrated Door Opening Assemblies Operation and Maintenance of Specialty Doors and Frames Operation and Maintenance of Sliding Glass Doors Operation and Maintenance of Coiling Doors and Grilles Operation and Maintenance of Special Function Doors Operation and Maintenance of Folding Doors and Grilles Operation and Maintenance of Panel Doors Operation and Maintenance of Traffic Doors Operation and Maintenance of Entrances, Storefronts, and Curtain Walls Operation and Maintenance of Entrances Operation and Maintenance of Storefronts Operation and Maintenance of Curtain Walls Operation and Maintenance of Windows Operation and Maintenance of Windows Operation and Maintenance of Wood Windows Operation and Maintenance of Wood Windows Wood Window Repairs Wood Window Repairs Wood Window Restoration Historic Treatment of Wood Windows Operation and Maintenance of Plastic Windows Operation and Maintenance of Composite Windows Operation and Maintenance of Special Function Windows Operation and Maintenance of Special Function Windows Operation and Maintenance of Roof Windows Operation and Maintenance of Floof Windows Operation and Maintenance of Unit Skylights Operation and Maintenance of Unit Skylights
Operation and Maintenance of Hardware Operation and Maintenance of Door Hardware
Operation and Maintenance of Access Control Hardware Operation and Maintenance of Window Hardware
Maintenance of Glazing
Maintenance of Glass Glazing
Maintenance of Plastic Glazing
Maintenance of Special Function Glazing
Operation and Maintenance of Louvers and Vents Operation and Maintenance of Louvers
Operation and Maintenance of Louvers Operation and Maintenance of Louvered Equipment Enclosures
Operation and Maintenance of Vents
Conservation Treatment for Period Openings
Conservation Treatment for Period Metal Doors and Frames
Conservation Treatment for Period Bronze Doors and Frames
Conservation Treatment for Period Wood Doors
Conservation Treatment for Period Metal-Faced Wood Doors
Conservation Treatment for Period Stile and Rail Wood Doors
Conservation Treatment for Period Specialty Doors and Frames
Conservation Treatment for Period Special Function Doors
Conservation Treatment for Period Vault Doors
Conservation Treatment for Period Windows

08 03 51 08 03 51.16 08 03 51.23 08 03 52 08 03 70 08 03 71 08 03 75 08 03 90 08 03 91 08 03 95 08 05 00	Conservation Treatment for Period Metal Windows Conservation Treatment for Period Bronze Windows Conservation Treatment for Period Steel Windows Conservation Treatment for Period Wood Windows Conservation Treatment for Period Hardware Conservation Treatment for Period Door Hardware Conservation Treatment for Period Window Hardware Conservation Treatment for Period Louvers and Vents Conservation Treatment for Period Louvers Conservation Treatment for Period Vents Common Work Results for Openings
08 05 05	Selective Demolition for Openings
08 06 00	Schedules for Openings
08 06 10	Door Schedule
08 06 10.13	Door Type Schedule
08 06 10.16 08 06 40	Frame Type Schedule Schedules for Entrances, Storefronts, and Curtain Walls
08 06 41	Entrance Schedule
08 06 42	Storefront Schedule
08 06 50	Window Schedule
08 06 60	Skylight Schedule
08 06 70 08 06 71	Hardware Schedule Door Hardware Schedule
08 06 80	Glazing Schedule
08 06 90	Louver and Vent Schedule
08 08 00	Commissioning of Openings
	Commissioning of Openings Doors and Frames
08 10 00	Doors and Frames
08 10 00 08 11 00	Doors and Frames Metal Doors and Frames
08 10 00	Doors and Frames
08 10 00 08 11 00 08 11 13 08 11 13.13 08 11 13.16	Doors and Frames Metal Doors and Frames Hollow Metal Doors and Frames Standard Hollow Metal Doors and Frames Custom Hollow Metal Doors and Frames
08 10 00 08 11 00 08 11 13 08 11 13.13 08 11 13.16 08 11 16	Doors and Frames Metal Doors and Frames Hollow Metal Doors and Frames Standard Hollow Metal Doors and Frames Custom Hollow Metal Doors and Frames Aluminum Doors and Frames
08 10 00 08 11 00 08 11 13 08 11 13.13 08 11 13.16 08 11 16 08 11 19	Doors and Frames Metal Doors and Frames Hollow Metal Doors and Frames Standard Hollow Metal Doors and Frames Custom Hollow Metal Doors and Frames Aluminum Doors and Frames Stainless-Steel Doors and Frames
08 10 00 08 11 00 08 11 13 08 11 13.13 08 11 13.16 08 11 16 08 11 19 08 11 23	Doors and Frames Metal Doors and Frames Hollow Metal Doors and Frames Standard Hollow Metal Doors and Frames Custom Hollow Metal Doors and Frames Aluminum Doors and Frames Stainless-Steel Doors and Frames Bronze Doors and Frames
08 10 00 08 11 00 08 11 13.13 08 11 13.16 08 11 16 08 11 19 08 11 23 08 11 63 08 11 63.13	Doors and Frames Metal Doors and Frames Hollow Metal Doors and Frames Standard Hollow Metal Doors and Frames Custom Hollow Metal Doors and Frames Aluminum Doors and Frames Stainless-Steel Doors and Frames
08 10 00 08 11 00 08 11 13 08 11 13.13 08 11 13.16 08 11 16 08 11 19 08 11 23 08 11 63 08 11 63.13 08 11 63.23	Doors and Frames Metal Doors and Frames Hollow Metal Doors and Frames Standard Hollow Metal Doors and Frames Custom Hollow Metal Doors and Frames Aluminum Doors and Frames Stainless-Steel Doors and Frames Bronze Doors and Frames Metal Screen and Storm Doors and Frames Steel Screen and Storm Doors and Frames Aluminum Screen and Storm Doors and Frames
08 10 00 08 11 00 08 11 13.13 08 11 13.16 08 11 13.16 08 11 16 08 11 19 08 11 23 08 11 63.13 08 11 63.23 08 11 66	Doors and Frames Metal Doors and Frames Hollow Metal Doors and Frames Standard Hollow Metal Doors and Frames Custom Hollow Metal Doors and Frames Aluminum Doors and Frames Stainless-Steel Doors and Frames Bronze Doors and Frames Metal Screen and Storm Doors and Frames Steel Screen and Storm Doors and Frames Aluminum Screen and Storm Doors and Frames Metal Screen Doors and Frames
08 10 00 08 11 00 08 11 13 08 11 13.13 08 11 13.16 08 11 16 08 11 19 08 11 23 08 11 63 08 11 63.13 08 11 63.23 08 11 66.13	Doors and Frames Metal Doors and Frames Hollow Metal Doors and Frames Standard Hollow Metal Doors and Frames Custom Hollow Metal Doors and Frames Aluminum Doors and Frames Stainless-Steel Doors and Frames Bronze Doors and Frames Metal Screen and Storm Doors and Frames Steel Screen and Storm Doors and Frames Aluminum Screen and Storm Doors and Frames Metal Screen Doors and Frames Steel Screen Doors and Frames Steel Screen Doors and Frames
08 10 00 08 11 00 08 11 13.13 08 11 13.16 08 11 13.16 08 11 16 08 11 19 08 11 23 08 11 63.13 08 11 63.23 08 11 66	Doors and Frames Metal Doors and Frames Hollow Metal Doors and Frames Standard Hollow Metal Doors and Frames Custom Hollow Metal Doors and Frames Aluminum Doors and Frames Stainless-Steel Doors and Frames Bronze Doors and Frames Metal Screen and Storm Doors and Frames Steel Screen and Storm Doors and Frames Aluminum Screen and Storm Doors and Frames Metal Screen Doors and Frames
08 10 00 08 11 00 08 11 13 08 11 13.13 08 11 13.16 08 11 16 08 11 19 08 11 23 08 11 63.13 08 11 63.23 08 11 66.13 08 11 66.23 08 11 69 08 11 69.13	Doors and Frames Metal Doors and Frames Hollow Metal Doors and Frames Standard Hollow Metal Doors and Frames Custom Hollow Metal Doors and Frames Aluminum Doors and Frames Stainless-Steel Doors and Frames Bronze Doors and Frames Metal Screen and Storm Doors and Frames Steel Screen and Storm Doors and Frames Aluminum Screen and Storm Doors and Frames Metal Screen Doors and Frames Steel Screen Doors and Frames Aluminum Screen Doors and Frames Metal Storm Doors and Frames Metal Storm Doors and Frames Metal Storm Doors and Frames Steel Storm Doors and Frames
08 10 00 08 11 00 08 11 13 08 11 13.13 08 11 13.16 08 11 16 08 11 19 08 11 23 08 11 63.13 08 11 63.23 08 11 66.13 08 11 66.13 08 11 66.23 08 11 69.13 08 11 69.23	Doors and Frames Metal Doors and Frames Hollow Metal Doors and Frames Standard Hollow Metal Doors and Frames Custom Hollow Metal Doors and Frames Aluminum Doors and Frames Stainless-Steel Doors and Frames Bronze Doors and Frames Metal Screen and Storm Doors and Frames Steel Screen and Storm Doors and Frames Aluminum Screen and Storm Doors and Frames Metal Screen Doors and Frames Steel Screen Doors and Frames Steel Screen Doors and Frames Steel Screen Doors and Frames Aluminum Screen Doors and Frames Steel Storm Doors and Frames Steel Storm Doors and Frames Steel Storm Doors and Frames
08 10 00 08 11 00 08 11 13 08 11 13.13 08 11 13.16 08 11 16 08 11 19 08 11 23 08 11 63.13 08 11 63.23 08 11 66.13 08 11 66.23 08 11 66.23 08 11 69.23 08 11 69.23 08 11 73	Doors and Frames Metal Doors and Frames Hollow Metal Doors and Frames Standard Hollow Metal Doors and Frames Custom Hollow Metal Doors and Frames Aluminum Doors and Frames Stainless-Steel Doors and Frames Bronze Doors and Frames Metal Screen and Storm Doors and Frames Steel Screen and Storm Doors and Frames Aluminum Screen and Storm Doors and Frames Metal Screen Doors and Frames Steel Screen Doors and Frames Aluminum Screen Doors and Frames Metal Storm Doors and Frames Metal Storm Doors and Frames Steel Storm Doors and Frames Steel Storm Doors and Frames Steel Storm Doors and Frames Aluminum Storm Doors and Frames Aluminum Storm Doors and Frames
08 10 00 08 11 00 08 11 13 08 11 13.13 08 11 13.16 08 11 16 08 11 19 08 11 23 08 11 63.13 08 11 63.23 08 11 66.23 08 11 66.13 08 11 66.23 08 11 69.23 08 11 69.13 08 11 73 08 11 74	Doors and Frames Metal Doors and Frames Hollow Metal Doors and Frames Standard Hollow Metal Doors and Frames Custom Hollow Metal Doors and Frames Aluminum Doors and Frames Stainless-Steel Doors and Frames Bronze Doors and Frames Metal Screen and Storm Doors and Frames Steel Screen and Storm Doors and Frames Aluminum Screen and Storm Doors and Frames Metal Screen Doors and Frames Steel Screen Doors and Frames Aluminum Screen Doors and Frames Metal Storm Doors and Frames Metal Storm Doors and Frames Metal Storm Doors and Frames Steel Storm Doors and Frames Steel Storm Doors and Frames Steel Storm Doors and Frames Aluminum Storm Doors and Frames Sliding Metal Fire Doors Sliding Metal Grilles
08 10 00 08 11 00 08 11 13 08 11 13.13 08 11 13.16 08 11 16 08 11 19 08 11 23 08 11 63.13 08 11 63.23 08 11 66.13 08 11 66.23 08 11 66.23 08 11 69.23 08 11 69.23 08 11 73	Doors and Frames Metal Doors and Frames Hollow Metal Doors and Frames Standard Hollow Metal Doors and Frames Custom Hollow Metal Doors and Frames Aluminum Doors and Frames Stainless-Steel Doors and Frames Bronze Doors and Frames Metal Screen and Storm Doors and Frames Steel Screen and Storm Doors and Frames Aluminum Screen and Storm Doors and Frames Metal Screen Doors and Frames Steel Screen Doors and Frames Aluminum Screen Doors and Frames Metal Storm Doors and Frames Metal Storm Doors and Frames Steel Storm Doors and Frames Steel Storm Doors and Frames Steel Storm Doors and Frames Aluminum Storm Doors and Frames Aluminum Storm Doors and Frames
08 10 00 08 11 00 08 11 13 08 11 13.13 08 11 13.16 08 11 13.16 08 11 16 08 11 19 08 11 23 08 11 63.23 08 11 63.23 08 11 66.23 08 11 66.23 08 11 66.23 08 11 69.23 08 11 69.23 08 11 73 08 11 74 08 12 00 08 12 13 08 12 13	Metal Doors and Frames Hollow Metal Doors and Frames Standard Hollow Metal Doors and Frames Custom Hollow Metal Doors and Frames Aluminum Doors and Frames Stainless-Steel Doors and Frames Bronze Doors and Frames Metal Screen and Storm Doors and Frames Steel Screen and Storm Doors and Frames Aluminum Screen and Storm Doors and Frames Metal Screen Doors and Frames Metal Screen Doors and Frames Steel Screen Doors and Frames Aluminum Screen Doors and Frames Metal Storm Doors and Frames Metal Storm Doors and Frames Steel Storm Doors and Frames Aluminum Storm Doors and Frames Sliding Metal Fire Doors Sliding Metal Grilles Metal Frames
08 10 00 08 11 00 08 11 13 08 11 13.13 08 11 13.16 08 11 16 08 11 19 08 11 23 08 11 63.23 08 11 63.23 08 11 66.23 08 11 66.23 08 11 69.23 08 11 69.23 08 11 73 08 11 74 08 12 00 08 12 13	Metal Doors and Frames Hollow Metal Doors and Frames Standard Hollow Metal Doors and Frames Custom Hollow Metal Doors and Frames Aluminum Doors and Frames Stainless-Steel Doors and Frames Bronze Doors and Frames Metal Screen and Storm Doors and Frames Steel Screen and Storm Doors and Frames Aluminum Screen and Storm Doors and Frames Metal Screen Doors and Frames Steel Screen Doors and Frames Steel Screen Doors and Frames Aluminum Screen Doors and Frames Metal Storm Doors and Frames Steel Storm Doors and Frames Aluminum Storm Doors and Frames Sliding Metal Fire Doors Sliding Metal Grilles Metal Frames Hollow Metal Frames

08 12 19 08 12 23 08 13 00	Stainless-Steel Frames Bronze Frames Metal Doors
08 13 13	Hollow Metal Doors
08 13 13.13	Standard Hollow Metal Doors
08 13 13.53	Custom Hollow Metal Doors
08 13 16	Aluminum Doors
08 13 16.13	Aluminum Terrace Doors Stainless-Steel Doors
08 13 19 08 13 23	Bronze Doors
08 13 73	Sliding Metal Doors
08 13 76	Bifolding Metal Doors
08 14 00	Wood Doors
08 14 13	Carved Wood Doors
08 14 16	Flush Wood Doors
08 14 23	Clad Wood Doors
08 14 23.13	Metal-Faced Wood Doors
08 14 23.16	Plastic-Laminate-Faced Wood Doors
08 14 23.17 08 14 23.19	Plastic-Faced Wood Doors Molded-Hardboard-Faced Wood Doors
08 14 29	Prefinished Wood Doors
08 14 33	Stile and Rail Wood Doors
08 14 33.13	Wood Terrace Doors
08 14 66	Wood Screen Doors
08 14 69	Wood Storm Doors
08 14 73 08 14 76	Sliding Wood Doors
08 15 00	Bifolding Wood Doors Plastic Doors
08 15 13	Laminated Plastic Doors
08 15 16	Solid Plastic Doors
08 15 66	Plastic Screen Doors
08 15 69	Plastic Storm Doors
08 15 73	Sliding Plastic Doors
08 15 76	Bifolding Plastic Doors
08 16 00	Composite Doors
08 16 13	Fiberglass Doors
08 16 73	Sliding Composite Doors
08 16 76	Bifolding Composite Doors
08 17 00	Integrated Door Opening Assemblies
08 17 13	Integrated Metal Door Opening Assemblies
08 17 23	Integrated Wood Door Opening Assemblies
08 17 33 08 17 43	Integrated Plastic Door Opening Assemblies Integrated Composite Door Opening Assemblies
08 30 00	Specialty Doors and Frames
08 31 00	Access Doors and Panels
08 31 13	Access Doors and Frames
08 31 13.53 08 31 16	Security Access Doors and Frames Access Panels and Frames
08 32 00	Sliding Glass Doors

08 32 13 08 32 16 08 32 19 08 33 00 08 33 13 08 33 16 08 33 23 08 33 23.13 08 33 26 08 33 36 08 33 36 08 33 43 08 33 44	Sliding Aluminum-Framed Glass Doors Sliding Plastic-Framed Glass Doors Sliding Wood-Framed Glass Doors Coiling Doors and Grilles Coiling Counter Doors Coiling Counter Grilles Overhead Coiling Doors Overhead Rapid Coiling Doors Overhead Coiling Grilles Side Coiling Doors Side Coiling Grilles Overhead Coiling Smoke Curtains Overhead Coiling Fire Curtains
08 34 00	Special Function Doors
08 34 13	Cold Storage Doors
08 34 16	Hangar Doors
08 34 19	Industrial Doors
08 34 33	Lightproof Doors
08 34 36	Darkroom Doors
08 34 46	Radio-Frequency-Interference Shielding Doors
08 34 49	Radiation Shielding Doors and Frames
08 34 49.13	Neutron Shielding Doors and Frames
08 34 53	Security Doors and Frames
08 34 56	Security Gates
08 34 58	File Room Doors and Frames
08 34 59	Vault Doors and Day Gates
08 34 73	Sound Control Door Assemblies
08 34 73.13	Metal Sound Control Door Assemblies
08 34 73.16	Wood Sound Control Door Assemblies
08 35 00	Folding Doors and Grilles
08 35 13	Folding Doors
08 35 13.13	Accordion Folding Doors
08 35 13.23	Accordion Folding Fire Doors
08 35 13.33	Panel Folding Doors
08 35 16	Folding Grilles
08 35 16.13	Accordion Folding Grilles
08 36 00	Panel Doors
08 36 13	Sectional Doors
08 36 16	Single-Panel Doors
08 36 19	Multi-Leaf Vertical Lift Doors
08 36 23	Telescoping Vertical Lift Doors
08 38 00	Traffic Doors
08 38 13	Flexible Strip Doors
08 38 16	Flexible Traffic Doors
08 38 19	Rigid Traffic Doors
08 39 00	Pressure-Resistant Doors
08 39 13	Airtight Doors
08 39 19	Watertight Doors
08 39 53	Blast-Resistant Doors
00 00 00	2.0.01 1 100.010 2 00.0

08 40 00	Entrances, Storefronts, and Curtain Walls
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08 41 00	Entrances and Storefronts
08 41 13 08 41 13.13	Aluminum-Framed Entrances and Storefronts Fire-Rated Aluminum-Framed Entrances and Storefronts
08 41 16	Bronze-Framed Entrances and Storefronts
08 41 19	Stainless-Steel-Framed Entrances and Storefronts
08 41 23	Steel-Framed Entrances and Storefronts
08 41 26	All-Glass Entrances and Storefronts
08 41 26.13	Point Supported All-Glass Storefronts
08 42 00	Entrances
08 42 13	Aluminum-Framed Entrances
08 42 26	All-Glass Entrances
08 42 29	Automatic Entrances
08 42 29.13	Folding Automatic Entrances
08 42 29.23	Sliding Automatic Entrances
08 42 29.33	Swinging Automatic Entrances
08 42 33	Revolving Door Entrances
08 42 33.13	Security Revolving Door Entrances
08 42 36	Balanced Door Entrances
08 42 39	Pressure-Resistant Entrances
08 42 43	Intensive Care Unit/Critical Care Unit Entrances
08 43 00	Storefronts
08 43 11	Timber-Framed Storefronts
08 43 13	Aluminum-Framed Storefronts
08 43 13.13	Fire-Rated Aluminum Storefronts
08 43 16	Bronze-Framed Storefronts Stainless-Steel-Framed Storefronts
08 43 19 08 43 23	Steel-Framed Storefronts
08 43 26	All-Glass Storefronts
08 43 27	Channel Glass Storefronts
08 43 29	Sliding Storefronts
08 44 00	Curtain Wall and Glazed Assemblies
08 44 11	Glazed Timber Curtain Walls
08 44 12	Glazed Composite Curtain Wall
08 44 12.13	Glazed Fiberglass Curtain Wall
08 44 13	Glazed Aluminum Curtain Walls
08 44 16	Glazed Bronze Curtain Walls
08 44 18	Glazed Steel Curtain Walls
08 44 19	Glazed Stainless-Steel Curtain Walls
08 44 23	Structural Sealant Glazed Curtain Walls
08 44 26	Structural Glass Curtain Walls
08 44 26.13	Glass Framed Point Supported Glass Curtain Walls
08 44 26.16	Metal Framed Point Supported Glass Curtain Walls
08 44 26.23	Cable Framed Point Supported Glass Curtain Walls
08 44 33	Sloped Glazing Assemblies
08 45 00	Translucent Wall and Roof Assemblies
08 45 13	Structured-Polycarbonate-Panel Assemblies
08 45 23	Fiberglass-Sandwich-Panel Assemblies
08 46 00	Window Wall Assemblies

08 50 00	Windows
08 51 00	Metal Windows
08 51 13	Aluminum Windows
08 51 16	Bronze Windows
08 51 19	Stainless-Steel Windows
08 51 23	Steel Windows
08 51 23.13	Hot-Rolled Steel Windows
08 51 23.23	Cold-Rolled Steel Windows
08 51 66	Metal Window Screens
08 51 69	Metal Storm Windows
08 52 00	Wood Windows
08 52 13	Metal-Clad Wood Windows
08 52 16	Plastic-Clad Wood Windows
08 52 66 08 52 69	Wood Window Screens Wood Storm Windows
08 53 00	Plastic Windows
08 53 13	Vinyl Window Screens
08 53 66 08 53 69	Vinyl Window Screens Vinyl Storm Windows
08 54 00	Composite Windows
08 54 13	Fiberglass Windows
08 54 66	Fiberglass Windows
08 54 69	Fiberglass Storm Windows
08 55 00	Pressure-Resistant Windows
08 55 13	Tornado-Resistant Windows
08 55 23	Blast-Resistant Windows
08 56 00	Special Function Windows
08 56 19	Pass Windows
08 56 46	Radio-Frequency-Interference Shielding Windows
08 56 49	Radiation Shielding Windows
08 56 53	Security Windows
08 56 56	Security Window Screens
08 56 59	Service and Teller Window Units
08 56 73	Sound Control Windows
08 56 88	Interior Insulating Windows
08 60 00	Roof Windows and Skylights
08 61 00	Roof Windows
08 61 13	Metal Roof Windows
08 61 16	Wood Roof Windows
08 62 00	Unit Skylights
08 62 13	Domed Unit Skylights
08 62 16	Pyramidal Unit Skylights
08 62 19	Vaulted Unit Skylights
08 62 23	Tubular Skylights
08 63 00	Metal-Framed Skylights
08 63 13	Domed Metal-Framed Skylights
08 63 16	Pyramidal Metal-Framed Skylights

	08 63 19 08 63 23 08 63 53	Vaulted Metal-Framed Skylights Ridge Metal-Framed Skylights Motorized Metal-Framed Skylights
80	64 00	Plastic-Framed Skylights
	65 00	Glazed Canopies
	08 65 13	Suspended Glazed Canopies
80	67 00	Skylight Protection and Screens
	70 00	Hardware
U	71 00	Door Hardware
	08 71 13 08 71 53	Automatic Door Operators
ΛO	75 00	Security Door Hardware Window Hardware
UO	08 75 13	
	08 75 16	Automatic Window Equipment Window Operators
ΛQ	78 00	Special Function Hardware
	79 00 79 00	Hardware Accessories
UO	08 79 13	
Λ0		Key Storage Equipment
	80 00	Glazing
80	81 00	Glass Glazing
	08 81 13	Decorative Glass Glazing
	08 81 23	Exterior Glass Glazing
^^	08 81 26	Interior Glass Glazing
08	83 00	Mirrors
	08 83 13	Mirrored Glass Glazing
Λ0	08 83 16	Mirrored Plastic Glazing
Uŏ	84 00	Plastic Glazing
Λ0	08 84 13	Decorative Plastic Glazing
	85 00	Glazing Accessories
80	87 00	Glazing Surface Films
	08 87 13 08 87 23	Solar Control Films
	08 87 23.13	Safety and Security Films Safety Films
	08 87 23.16	Security Films
	08 87 26	Bird Control Film
	08 87 33	Decorative Films
80	88 00	Special Function Glazing
	08 88 13	Fire-Resistant Glazing
	08 88 19	Hurricane-Resistant Glazing
	08 88 23	Cable Suspended Glazing
	08 88 33 08 88 36	Transparent Mirrored Glazing Switchable Glass
	08 88 36.16	Electronically Controlled Switchable Glass
	08 88 39	Pressure-Resistant Glazing
	08 88 49	Radiation-Resistant Glazing
	08 88 53	Security Glazing
	08 88 56	Ballistics-Resistant Glazing

00 00 00	Lauvers and Vente
08 90 00	Louvers and Vents
08 91 00	Louvers
08 91 13	Motorized Wall Louvers
08 91 16	Operable Wall Louvers
08 91 19	Fixed Louvers
08 91 26	Door Louvers
08 92 00	Louvered Equipment Enclosures
08 95 00	Vents
08 95 13	Soffit Vents
08 95 16	Wall Vents
08 95 33	Explosion Vents
08 95 43	Flood Vents
09 00 00	Finishes
09 01 00	Maintenance of Finishes
09 01 20	Maintenance of Plaster and Gypsum Board
09 01 20.91	Plaster Restoration
09 01 30	Maintenance of Tiling
09 01 30.91	Tile Restoration
09 01 50 09 01 50.91	Maintenance of Ceilings
09 01 60	Ceiling Restoration Maintenance of Flooring
09 01 60.91	Flooring Restoration
09 01 70	Maintenance of Wall Finishes
09 01 70.91	Wall Finish Restoration
09 01 80	Maintenance of Acoustic Treatment
09 01 90	Maintenance of Painting and Coating
09 01 90.51	Paint Cleaning
09 01 90.52	Maintenance Repainting
09 01 90.53	Maintenance Coatings
09 01 90.61 09 01 90.91	Repainting Paint Restoration
09 01 90.92	Coating Restoration
09 01 90.93	Paint Preservation
09 03 00	Conservation Treatment of Period Finishes
09 03 21	Conservation Treatment for Period Plaster Assemblies
09 03 25	Conservation Treatment for Period Plastering
09 03 25.23	Conservation Treatment for Period Lime-Based Plaster
09 03 30	Conservation Treatment for Period Tile
09 03 50	Conservation Treatment for Period Ceilings
09 03 51	Conservation Treatment for Period Suspended Ceilings
09 03 56	Conservation Treatment for Textured Ceilings
09 03 56.16	Conservation Treatment for Period Metal-Panel Textured Ceilings
09 03 60	Conservation Treatment for Period Flooring
09 03 63	Conservation Treatment for Period Masonry Flooring
09 03 63.13 09 03 63.40	Conservation Treatment for Period Brick Flooring Conservation Treatment for Period Stone Flooring
09 03 64	Conservation Treatment for Period Wood Flooring
09 03 64.29	Conservation Treatment for Period Wood Strip and Plank Flooring
09 03 65	Conservation Treatment for Period Resilient Flooring
09 03 65.16	Conservation Treatment for Period Resilient Sheet Flooring
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	09 03 66	Conservation Treatment for Period Terrazzo Flooring
	09 03 70	Conservation Treatment for Period Wall Finishes
	09 03 72	Conservation Treatment for Period Wall Coverings
	09 03 90	Conservation Treatment for Period Painting and Coating
	09 03 91	Conservation Treatment for Period Painted Surfaces
	09 03 91.13	Conservation Treatment for Period Exterior Painting
	09 03 91.23	Conservation Treatment for Period Interior Painting
09	05 00	Common Work Results for Finishes
	09 05 05	Selective Demolition for Finishes
	09 05 13	Common Finishes
	09 05 61	Common Work Results for Flooring Preparation
	09 05 61.13	Moisture Vapor Emission Control
	09 05 71	Acoustic Underlayment
09	06 00	Schedules for Finishes
	09 06 00.13	Room Finish Schedule
	09 06 20	Schedules for Plaster and Gypsum Board
	09 06 30	Schedules for Tiling
	09 06 50	Schedules for Ceilings
	09 06 60	Schedules for Flooring
	09 06 70	Schedules for Wall Finishes
	09 06 80	Schedules for Acoustical Treatment
	09 06 90	Schedules for Painting and Coating
	09 06 90.13	Paint Schedule
09	08 00	Commissioning of Finishes
00	20 00	Plactor and Gungum Roard
UJ	<i>,</i> 20 00	Flaster and Gypsum board
	20 00 21 00	Plaster and Gypsum Board Plaster and Gypsum Board Assemblies
	21 00	Plaster and Gypsum Board Assemblies
	21 00 09 21 13	Plaster and Gypsum Board Assemblies Plaster Assemblies
	21 00 09 21 13 09 21 16	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies
	21 00 09 21 13	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies
09	21 00 09 21 13 09 21 16 09 21 16.23 09 21 16.33	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies Gypsum Board Area Separation Wall Assemblies
09	21 00 09 21 13 09 21 16 09 21 16.23 09 21 16.33 22 00	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies Gypsum Board Area Separation Wall Assemblies Supports for Plaster and Gypsum Board
09	21 00 09 21 13 09 21 16 09 21 16.23 09 21 16.33	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies Gypsum Board Area Separation Wall Assemblies
09	21 00 09 21 13 09 21 16 09 21 16.23 09 21 16.33 22 00 09 22 13	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies Gypsum Board Area Separation Wall Assemblies Supports for Plaster and Gypsum Board Metal Furring
09	21 00 09 21 13 09 21 16 09 21 16.23 09 21 16.33 22 00 09 22 13 09 22 13.13 09 22 13.23 09 22 16	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies Gypsum Board Area Separation Wall Assemblies Supports for Plaster and Gypsum Board Metal Furring Metal Channel Furring
09	21 00 09 21 13 09 21 16 09 21 16.23 09 21 16.33 22 00 09 22 13 09 22 13.13 09 22 13.23 09 22 16 09 22 16.13	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies Gypsum Board Area Separation Wall Assemblies Supports for Plaster and Gypsum Board Metal Furring Metal Channel Furring Resilient Channel Furring Non-Structural Metal Framing Non-Structural Metal Stud Framing
09	21 00 09 21 13 09 21 16 09 21 16.23 09 21 16.33 22 00 09 22 13 09 22 13.13 09 22 13.23 09 22 16 09 22 16.13 09 22 26	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies Gypsum Board Area Separation Wall Assemblies Supports for Plaster and Gypsum Board Metal Furring Metal Channel Furring Resilient Channel Furring Non-Structural Metal Framing Non-Structural Metal Stud Framing Suspension Systems
09	21 00 09 21 13 09 21 16 09 21 16.23 09 21 16.33 22 00 09 22 13 09 22 13.13 09 22 13.23 09 22 16 09 22 16.13 09 22 26 09 22 26.23	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies Gypsum Board Area Separation Wall Assemblies Supports for Plaster and Gypsum Board Metal Furring Metal Channel Furring Resilient Channel Furring Non-Structural Metal Framing Non-Structural Metal Stud Framing Suspension Systems Metal Suspension Systems
09	21 00 09 21 13 09 21 16 09 21 16.23 09 21 16.33 22 00 09 22 13 09 22 13.13 09 22 13.23 09 22 16 09 22 16.13 09 22 26 09 22 26.23 09 22 26.33	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies Gypsum Board Area Separation Wall Assemblies Supports for Plaster and Gypsum Board Metal Furring Metal Channel Furring Resilient Channel Furring Non-Structural Metal Framing Non-Structural Metal Stud Framing Suspension Systems Metal Suspension Systems Plastic Suspension Systems
09	21 00 09 21 13 09 21 16 09 21 16.23 09 21 16.33 22 00 09 22 13 09 22 13.13 09 22 13.23 09 22 16 09 22 16.13 09 22 26.23 09 22 26.23 09 22 36	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies Gypsum Board Area Separation Wall Assemblies Supports for Plaster and Gypsum Board Metal Furring Metal Channel Furring Resilient Channel Furring Non-Structural Metal Framing Non-Structural Metal Stud Framing Suspension Systems Metal Suspension Systems Plastic Suspension Systems Lath
09	21 00 09 21 13 09 21 16 09 21 16.23 09 21 16.33 22 00 09 22 13 09 22 13.13 09 22 13.23 09 22 16 09 22 16.13 09 22 26.23 09 22 26.33 09 22 36 09 22 36.13	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies Gypsum Board Area Separation Wall Assemblies Supports for Plaster and Gypsum Board Metal Furring Metal Channel Furring Resilient Channel Furring Non-Structural Metal Framing Non-Structural Metal Stud Framing Suspension Systems Metal Suspension Systems Plastic Suspension Systems Lath Gypsum Lath
09	21 00 09 21 13 09 21 16.23 09 21 16.33 22 00 09 22 13.03 09 22 13.13 09 22 13.23 09 22 16.09 09 22 16.13 09 22 26.23 09 22 26.23 09 22 26.33 09 22 36.09 09 22 36.13 09 22 36.23	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies Gypsum Board Area Separation Wall Assemblies Supports for Plaster and Gypsum Board Metal Furring Metal Channel Furring Resilient Channel Furring Non-Structural Metal Framing Non-Structural Metal Stud Framing Suspension Systems Metal Suspension Systems Plastic Suspension Systems Lath Gypsum Lath Metal Lath
09	21 00 09 21 13 09 21 16.23 09 21 16.33 22 00 09 22 13.09 09 22 13.13 09 22 13.23 09 22 16.09 09 22 16.13 09 22 26.23 09 22 26.23 09 22 26.33 09 22 36.13 09 22 36.13 09 22 36.23 09 22 39	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies Gypsum Board Area Separation Wall Assemblies Supports for Plaster and Gypsum Board Metal Furring Metal Channel Furring Resilient Channel Furring Non-Structural Metal Framing Non-Structural Metal Stud Framing Suspension Systems Metal Suspension Systems Plastic Suspension Systems Lath Gypsum Lath Metal Lath Veneer Plaster Base
09	21 00 09 21 13 09 21 16.23 09 21 16.23 09 21 16.33 22 00 09 22 13.09 09 22 13.13 09 22 13.23 09 22 16.13 09 22 16.13 09 22 26.23 09 22 26.33 09 22 26.33 09 22 36.13 09 22 36.23 09 22 36.23 09 22 39 23 00	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies Gypsum Board Area Separation Wall Assemblies Supports for Plaster and Gypsum Board Metal Furring Metal Channel Furring Resilient Channel Furring Non-Structural Metal Framing Non-Structural Metal Stud Framing Suspension Systems Metal Suspension Systems Plastic Suspension Systems Lath Gypsum Lath Metal Lath Veneer Plaster Base Gypsum Plastering
09	21 00 09 21 13 09 21 16.23 09 21 16.33 22 00 09 22 13.13 09 22 13.23 09 22 16.13 09 22 16.13 09 22 26.23 09 22 26.23 09 22 26.33 09 22 36.13 09 22 36.13 09 22 39 23 00 09 23 13	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies Gypsum Board Area Separation Wall Assemblies Supports for Plaster and Gypsum Board Metal Furring Metal Channel Furring Resilient Channel Furring Non-Structural Metal Framing Non-Structural Metal Stud Framing Suspension Systems Metal Suspension Systems Plastic Suspension Systems Lath Gypsum Lath Metal Lath Veneer Plaster Base Gypsum Plastering Acoustical Gypsum Plastering
09	21 00 09 21 13 09 21 16 09 21 16.23 09 21 16.33 22 00 09 22 13 09 22 13.13 09 22 13.23 09 22 16 09 22 16.13 09 22 26 09 22 26.23 09 22 26.33 09 22 36.13 09 22 36.13 09 22 36.23 09 22 39 23 00 09 23 13 09 23 82	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies Gypsum Board Area Separation Wall Assemblies Supports for Plaster and Gypsum Board Metal Furring Metal Channel Furring Resilient Channel Furring Non-Structural Metal Framing Non-Structural Metal Stud Framing Suspension Systems Metal Suspension Systems Plastic Suspension Systems Lath Gypsum Lath Metal Lath Veneer Plaster Base Gypsum Plastering Acoustical Gypsum Plastering Fireproof Gypsum Plastering
09	21 00 09 21 13 09 21 16.23 09 21 16.23 09 21 16.33 22 00 09 22 13.13 09 22 13.13 09 22 16.13 09 22 16.13 09 22 26.23 09 22 26.23 09 22 26.33 09 22 36.3 09 22 36.13 09 22 36.23 09 22 39 23 00 09 23 13 09 23 82 24 00	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Area Separation Wall Assemblies Gypsum Board Area Separation Wall Assemblies Supports for Plaster and Gypsum Board Metal Furring Metal Channel Furring Resilient Channel Furring Non-Structural Metal Framing Non-Structural Metal Stud Framing Suspension Systems Metal Suspension Systems Plastic Suspension Systems Plastic Suspension Systems Lath Gypsum Lath Metal Lath Veneer Plaster Base Gypsum Plastering Acoustical Gypsum Plastering Fireproof Gypsum Plastering Cement Plastering
09	21 00 09 21 13 09 21 16 09 21 16.23 09 21 16.33 22 00 09 22 13 09 22 13.13 09 22 13.23 09 22 16 09 22 16.13 09 22 26 09 22 26.23 09 22 26.33 09 22 36.13 09 22 36.13 09 22 36.23 09 22 39 23 00 09 23 13 09 23 82	Plaster and Gypsum Board Assemblies Plaster Assemblies Gypsum Board Assemblies Gypsum Board Shaft Wall Assemblies Gypsum Board Area Separation Wall Assemblies Supports for Plaster and Gypsum Board Metal Furring Metal Channel Furring Resilient Channel Furring Non-Structural Metal Framing Non-Structural Metal Stud Framing Suspension Systems Metal Suspension Systems Plastic Suspension Systems Lath Gypsum Lath Metal Lath Veneer Plaster Base Gypsum Plastering Acoustical Gypsum Plastering Fireproof Gypsum Plastering

09 24 33	Cement Parging
09 25 00	Other Plastering
09 25 13	Acrylic Plastering
09 25 13.13	Acrylic Plaster Finish
09 25 23	Lime Based Plastering
09 25 26	Natural Clay Plastering
09 26 00	Veneer Plastering
09 26 13	Gypsum Veneer Plastering
09 27 00	Plaster Fabrications
09 27 13	Glass-Fiber-Reinforced Gypsum Fabrications
09 27 23	Simulated Plaster Fabrications
09 28 00	Backing Boards and Underlayments
09 28 13	Cementitious Backing Boards
09 28 16	Glass-Mat Faced Gypsum Backing Boards
09 28 19	Fibered Gypsum Backing Boards
09 29 00	Gypsum Board
09 29 82	Gypsum Board Fireproofing
09 30 00	Tiling
09 30 13	Ceramic Tiling
09 30 16	Quarry Tiling
09 30 19	Paver Tiling
09 30 23	Glass Mosaic Tiling
09 30 26	Plastic Tiling
09 30 29	Metal Tiling
09 30 33	Stone Tiling
09 30 36	Concrete Tiling
09 30 39	Brick Tiling
09 31 00	Thin-Set Tiling
09 31 13	Thin-Set Ceramic Tiling
09 31 16	Thin-Set Quarry Tiling
09 31 19	Thin-Set Paver Tiling
09 31 23	Thin-Set Glass Mosaic Tiling
09 31 26	Thin-Set Plastic Tiling
09 31 29	Thin-Set Metal Tiling
09 31 33	Thin-Set Stone Tiling
09 31 36	Thin-Set Concrete Tiling
09 32 00	Mortar-Bed Tiling
09 32 13	Mortar-Bed Ceramic Tiling
09 32 16	Mortar-Bed Quarry Tiling
09 32 19	Mortar-Bed Paver Tiling
09 32 23	Mortar-Bed Glass Mosaic Tiling
09 32 26	Mortar-Bed Plastic Tiling
09 32 29	Mortar-Bed Metal Tiling
09 32 33 09 32 36	Mortar Bed Concrete Tiling
	Mortar-Bed Concrete Tiling
09 33 00	Conductive Tiling
09 33 13	Conductive Cuerry Tiling
09 33 16	Conductive Quarry Tiling

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09 33 19	Conductive Paver Tiling
09 33 23	Conductive Glass Mosaic Tiling
09 33 26	Conductive Plastic Tiling
09 33 29	Conductive Metal Tiling
09 33 33	Conductive Stone Tiling
09 33 36	Conductive Concrete Tiling
09 34 00	Waterproofing-Membrane Tiling
09 34 13	Waterproofing-Membrane Ceramic Tiling
09 34 16	Waterproofing-Membrane Quarry Tiling
09 34 19	Waterproofing-Membrane Paver Tiling
09 34 23	Waterproofing-Membrane Glass Mosaic Tiling
09 34 26	Waterproofing-Membrane Plastic Tiling
09 34 29	Waterproofing-Membrane Metal Tiling
09 34 33	Waterproofing-Membrane Stone Tiling
09 34 36	Waterproofing-Membrane Concrete Tiling
09 35 00	Chemical-Resistant Tiling
09 35 13	Chemical-Resistant Ceramic Tiling
09 35 16	Chemical-Resistant Quarry Tiling
09 35 19	Chemical-Resistant Paver Tiling
09 35 23	Chemical-Resistant Glass Mosaic Tiling
09 35 26	Chemical-Resistant Plastic Tiling
09 35 29	Chemical-Resistant Metal Tiling
09 35 33	Chemical-Resistant Stone Tiling
09 35 36	Chemical-Resistant Concrete Tiling
09 50 00	Ceilings
	CEIIIIUS
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09 51 00	Acoustical Ceilings
09 51 00 09 51 13	Acoustical Ceilings Acoustical Panel Ceilings
09 51 00 09 51 13 09 51 14	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings
09 51 00 09 51 13 09 51 14 09 51 23	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33 09 51 33.13	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33 09 51 33.13 09 51 53	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings Direct-Applied Acoustical Ceilings
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33 09 51 33.13	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33 09 51 33.13 09 51 53	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings Direct-Applied Acoustical Ceilings
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33 09 51 33.13 09 51 53 09 53 00	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings Direct-Applied Acoustical Ceilings Acoustical Ceiling Suspension Assemblies
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33 09 51 33.13 09 51 53 09 53 00 09 53 13	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings Direct-Applied Acoustical Ceilings Acoustical Ceiling Suspension Assemblies Curved Profile Ceiling Suspension Assemblies
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33 09 51 33.13 09 51 53 09 53 33 09 53 13 09 53 23 09 53 33	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings Direct-Applied Acoustical Ceilings Acoustical Ceiling Suspension Assemblies Curved Profile Ceiling Suspension Assemblies Metal Acoustical Ceiling Suspension Assemblies Plastic Acoustical Ceiling Suspension Assemblies
09 51 00	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings Direct-Applied Acoustical Ceilings Acoustical Ceiling Suspension Assemblies Curved Profile Ceiling Suspension Assemblies Metal Acoustical Ceiling Suspension Assemblies Plastic Acoustical Ceiling Suspension Assemblies Specialty Ceilings
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33 09 51 33.13 09 51 53 09 53 00 09 53 13 09 53 23 09 53 23 09 53 33 09 54 00 09 54 13	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings Direct-Applied Acoustical Ceilings Acoustical Ceiling Suspension Assemblies Curved Profile Ceiling Suspension Assemblies Metal Acoustical Ceiling Suspension Assemblies Plastic Acoustical Ceiling Suspension Assemblies Specialty Ceilings Open Metal Mesh Ceilings
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33 09 51 33.13 09 51 53 09 53 00 09 53 13 09 53 23 09 53 23 09 53 33 09 54 10	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings Direct-Applied Acoustical Ceilings Acoustical Ceiling Suspension Assemblies Curved Profile Ceiling Suspension Assemblies Metal Acoustical Ceiling Suspension Assemblies Plastic Acoustical Ceiling Suspension Assemblies Specialty Ceilings Open Metal Mesh Ceilings Luminous Ceilings
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33 09 51 33.13 09 51 53 09 53 00 09 53 13 09 53 23 09 53 33 09 54 13 09 54 16 09 54 19	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings Direct-Applied Acoustical Ceilings Acoustical Ceiling Suspension Assemblies Curved Profile Ceiling Suspension Assemblies Metal Acoustical Ceiling Suspension Assemblies Plastic Acoustical Ceiling Suspension Assemblies Specialty Ceilings Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33 09 51 33.13 09 51 53 09 53 00 09 53 13 09 53 23 09 53 33 09 54 10 09 54 13 09 54 16 09 54 19 09 54 23	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings Direct-Applied Acoustical Ceilings Acoustical Ceiling Suspension Assemblies Curved Profile Ceiling Suspension Assemblies Metal Acoustical Ceiling Suspension Assemblies Plastic Acoustical Ceiling Suspension Assemblies Specialty Ceilings Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33 09 51 33.13 09 51 53 09 53 00 09 53 13 09 53 23 09 53 23 09 53 33 09 54 16 09 54 19 09 54 23 09 54 26	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings Direct-Applied Acoustical Ceilings Acoustical Ceiling Suspension Assemblies Curved Profile Ceiling Suspension Assemblies Metal Acoustical Ceiling Suspension Assemblies Plastic Acoustical Ceiling Suspension Assemblies Specialty Ceilings Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33 09 51 33.13 09 51 53 09 53 00 09 53 13 09 53 23 09 53 23 09 53 33 09 54 16 09 54 19 09 54 23 09 54 26 09 54 29	Acoustical Ceilings Acoustical Panel Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings Direct-Applied Acoustical Ceilings Acoustical Ceiling Suspension Assemblies Curved Profile Ceiling Suspension Assemblies Metal Acoustical Ceiling Suspension Assemblies Plastic Acoustical Ceiling Suspension Assemblies Specialty Ceilings Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Suspended Plastic Ceilings
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33 09 51 33.13 09 51 53 09 53 00 09 53 13 09 53 23 09 53 23 09 53 33 09 54 16 09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 29 09 54 33	Acoustical Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings Direct-Applied Acoustical Ceilings Acoustical Ceiling Suspension Assemblies Curved Profile Ceiling Suspension Assemblies Metal Acoustical Ceiling Suspension Assemblies Plastic Acoustical Ceiling Suspension Assemblies Specialty Ceilings Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Suspended Plastic Ceilings Decorative Panel Ceilings
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33 09 51 33.13 09 51 53 09 53 00 09 53 13 09 53 23 09 53 23 09 53 33 09 54 16 09 54 19 09 54 19 09 54 23 09 54 26 09 54 29 09 54 33 09 54 36	Acoustical Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings Direct-Applied Acoustical Ceilings Acoustical Ceiling Suspension Assemblies Curved Profile Ceiling Suspension Assemblies Metal Acoustical Ceiling Suspension Assemblies Plastic Acoustical Ceiling Suspension Assemblies Specialty Ceilings Open Metal Mesh Ceilings Luminous Ceilings Linear Metal Ceilings Suspended Wood Ceilings Suspended Plastic Ceilings Decorative Panel Ceilings Suspended Decorative Grids
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33 09 51 33.13 09 51 53 09 53 00 09 53 13 09 53 23 09 53 23 09 53 33 09 54 16 09 54 16 09 54 19 09 54 23 09 54 26 09 54 29 09 54 33 09 54 36 09 54 43	Acoustical Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings Direct-Applied Acoustical Ceilings Acoustical Ceiling Suspension Assemblies Curved Profile Ceiling Suspension Assemblies Metal Acoustical Ceiling Suspension Assemblies Plastic Acoustical Ceiling Suspension Assemblies Specialty Ceilings Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Suspended Plastic Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems
09 51 00 09 51 13 09 51 14 09 51 23 09 51 26 09 51 33 09 51 33.13 09 51 53 09 53 00 09 53 13 09 53 23 09 53 23 09 53 33 09 54 16 09 54 19 09 54 19 09 54 23 09 54 26 09 54 29 09 54 33 09 54 36	Acoustical Ceilings Acoustical Fabric-Faced Panel Ceilings Acoustical Tile Ceilings Acoustical Wood Ceilings Acoustical Metal Pan Ceilings Acoustical Snap-in Metal Pan Ceilings Direct-Applied Acoustical Ceilings Acoustical Ceiling Suspension Assemblies Curved Profile Ceiling Suspension Assemblies Metal Acoustical Ceiling Suspension Assemblies Plastic Acoustical Ceiling Suspension Assemblies Specialty Ceilings Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Suspended Plastic Ceilings Decorative Panel Ceilings Suspended Decorative Grids

09 56 00 O9 56 13 O9 56 16 O9 57 00 O9 57 53 O9 58 00 O9 60 00 O9 61 00 O9 61 13 O9 61 19 O9 61 36 Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings Special Function Ceilings Security Ceiling Assemblies Integrated Ceiling Assemblies O9 60 00 Flooring Flooring Treatment Concrete Floor Staining Static-Resistant Flooring Treatment
09 56 16 Metal-Panel Textured Ceilings Special Function Ceilings Security Ceiling Assemblies Integrated Ceiling Assemblies Integrated Ceiling Assemblies Flooring Flooring Treatment Slip-Resistant Flooring Treatment Concrete Floor Staining
09 57 00 09 57 53 Security Ceiling Assemblies 09 58 00 Integrated Ceiling Assemblies 09 60 00 Flooring 09 61 00 09 61 13 09 61 19 Concrete Floor Staining
09 57 53 O9 58 00 Integrated Ceiling Assemblies O9 60 00 Flooring O9 61 00 O9 61 13 O9 61 19 Security Ceiling Assemblies Integrated Ceiling Assemblies Flooring Flooring Flooring Treatment Slip-Resistant Flooring Treatment Concrete Floor Staining
09 58 00 Integrated Ceiling Assemblies 09 60 00 Flooring 09 61 00 Flooring Treatment 09 61 13 Slip-Resistant Flooring Treatment 09 61 19 Concrete Floor Staining
09 60 00 Flooring 09 61 00 Flooring Treatment 09 61 13 Slip-Resistant Flooring Treatment 09 61 19 Concrete Floor Staining
09 61 00 Flooring Treatment 09 61 13 Slip-Resistant Flooring Treatment 09 61 19 Concrete Floor Staining
09 61 13 Slip-Resistant Flooring Treatment 09 61 19 Concrete Floor Staining
09 61 13 Slip-Resistant Flooring Treatment 09 61 19 Concrete Floor Staining
09 61 19 Concrete Floor Staining
09 62 00 Specialty Flooring
09 62 13 Asphaltic Plank Flooring
09 62 19 Laminate Flooring
09 62 23 Bamboo Flooring
09 62 26 Leather Flooring
09 62 29 Cork Flooring
09 62 35 Acid-Resistant Flooring
09 62 48 Acoustic Flooring
09 62 53 Synthetic Turf Flooring
09 62 63 Metal Flooring
09 62 63.13 Aluminum Flooring
09 62 63.16 Stainless Steel Flooring
09 62 83 Structural Glass Flooring
09 63 00 Masonry Flooring
09 63 13 Brick Flooring
09 63 13.35 Chemical-Resistant Brick Flooring
09 63 40 Stone Flooring 09 63 43 Composition Stone Flooring
09 63 43 Composition Stone Flooring 09 64 00 Wood Flooring
09 64 16 Wood Block Flooring 09 64 19 Wood Composition Flooring
09 64 19 Wood Composition Flooring 09 64 23 Wood Parquet Flooring
09 64 23.13 Acrylic-Impregnated Wood Parquet Flooring
09 64 29 Wood Strip and Plank Flooring
09 64 33 Laminated Wood Flooring
09 64 53 Resilient Wood Flooring Assemblies
09 64 66 Wood Athletic Flooring
09 65 00 Resilient Flooring
09 65 13 Resilient Base and Accessories
09 65 13.13 Resilient Base
09 65 13.23 Resilient Stair Treads and Risers
09 65 13.26 Resilient Stair Nosings
09 65 13.33 Resilient Accessories
09 65 13.36 Resilient Carpet Transitions 09 65 16 Resilient Sheet Flooring
09 65 16 Resilient Sheet Flooring 09 65 16.23 Vinyl Sheet Flooring
09 65 16.33 Rubber Sheet Flooring
09 65 16.43 PVC-Free Sheet Flooring

09 65 19 09 65 19.19 09 65 19.23 09 65 19.33 09 65 19.43 09 65 33 09 65 36 09 65 36.13 09 65 36.16 09 65 43 09 65 66	Resilient Tile Flooring Vinyl Composition Tile Flooring Vinyl Tile Flooring Rubber Tile Flooring Polyester Composition Tile Flooring Conductive Resilient Flooring Static-Control Resilient Flooring Static-Dissipative Resilient Flooring Static-Resistant Resilient Flooring Linoleum Flooring Resilient Athletic Flooring
09 66 00	Terrazzo Flooring
09 66 13	Portland Cement Terrazzo Flooring
09 66 13.13 09 66 13.16	Sand Cushion Terrazzo Flooring
09 66 13.19	Monolithic Terrazzo Flooring Bonded Terrazzo Flooring
09 66 13.23	Palladina Terrazzo Flooring
09 66 13.26	Rustic Terrazzo Flooring
09 66 13.33	Structural Terrazzo Flooring
09 66 16	Terrazzo Floor Tile
09 66 16.13	Portland Cement Terrazzo Floor Tile
09 66 16.16	Plastic-Matrix Terrazzo Floor Tile
09 66 23	Resinous Matrix Terrazzo Flooring
09 66 23.13 09 66 23.16	Polyacrylate Modified Cementitious Terrazzo Flooring Epoxy-Resin Terrazzo Flooring
09 66 23.19	Polyester-Resin Terrazzo Flooring
09 66 33	Conductive Terrazzo Flooring
09 66 33.13	Conductive Epoxy-Resin Terrazzo
09 66 33.16	Conductive Polyester-Resin Terrazzo Flooring
09 66 33.19	Conductive Plastic-Matrix Terrazzo Flooring
09 67 00	Fluid-Applied Flooring
09 67 13	Elastomeric Liquid Flooring
09 67 13.33	Conductive Elastomeric Liquid Flooring
09 67 16	Epoxy-Marble Chip Flooring
09 67 19	Magnesium-Oxychloride Flooring
09 67 23	Resinous Flooring
09 67 26	Quartz Flooring Fluid-Applied Athletic Flooring
09 67 66	
09 68 00	Carpeting
09 68 13	Tile Carpeting
09 68 16	Sheet Carpeting
09 69 00	Access Flooring
09 69 13	Rigid-Grid Access Flooring
09 69 16	Snap-on Stringer Access Flooring
09 69 19	Stringerless Access Flooring
09 69 33	Low-Profile Fixed Height Access Flooring
09 69 53 09 69 56	Access Flooring Accessories Access Flooring Stairs and Stringers
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09 70 00	Wall Finishes
09 72 00	Wall Coverings
09 72 13	Cork Wall Coverings

09 72 16 09 72 16.13 09 72 16.16 09 72 19 09 72 23 09 73 00 09 74 00 09 74 13 09 74 16 09 75 00 09 75 13 09 75 19 09 75 19.13 09 75 19.23 09 75 23 09 76 00	Vinyl-Coated Fabric Wall Coverings Flexible Vinyl Wall Coverings Rigid-Sheet Vinyl Wall Coverings Textile Wall Coverings Wallpapering Wall Carpeting Flexible Wood Sheets Wood Wall Coverings Flexible Wood Veneers Stone Facing Stone Wall Facing Stone Wall Facing Stone Window Stools Simulated Stone Wall Facing Plastic Blocks
09 77 00 09 77 13 09 77 23 09 77 33 09 77 53	Special Wall Surfacing Stretched-Fabric Wall Systems Fabric-Wrapped Panels Terrazzo Wall Finish Vegetated Wall Systems
09 78 00	Interior Wall Paneling
09 78 13	Metal Interior Wall Paneling
09 78 16 09 78 19	Stone-Faced Interior Wall Paneling Cementitious Interior Wall Paneling
09 78 23	Phenolic Interior Wall Paneling
09 80 00	Acoustic Treatment
09 81 00	Acoustic Insulation
09 81 13	Acoustic Board Insulation
09 81 16	Acoustic Blanket Insulation
09 81 29	Sprayed Acoustic Insulation
09 83 00	Acoustic Finishes
09 83 13 09 83 16	Acoustic Wall Coating Acoustic Ceiling Coating
09 83 22	Acoustic Drapery
09 84 00	Acoustic Room Components
09 84 13	Fixed Sound-Absorptive Panels
09 84 14	Acoustic Stretched-Fabric Wall Systems
09 84 16 09 84 23	Fixed Sound-Reflective Panels
09 84 26	Moveable Sound-Absorptive Panels Moveable Sound-Reflective Panels
09 84 33	Sound-Absorbing Wall Units
09 84 36	Sound-Absorbing Ceiling Units
09 90 00	Painting and Coating
09 91 00	Painting
09 91 13 09 91 23	Exterior Painting Interior Painting

09 93 00	Staining and Transparent Finishing
09 93 13	Exterior Staining and Finishing
09 93 13.13	Exterior Staining
09 93 13.53	Exterior Finishing
09 93 23	Interior Staining and Finishing
09 93 23.13	Interior Staining
09 93 23.53	Interior Finishing
09 94 00	Decorative Finishing
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09 94 13	Textured Finishing
09 94 16	Faux Finishing
09 94 19	Multicolor Interior Finishing
09 94 23	Gilding
09 96 00	High-Performance Coatings
09 96 13	Abrasion-Resistant Coatings
09 96 23	Graffiti-Resistant Coatings
09 96 26	
	Marine Coatings
09 96 33	High-Temperature-Resistant Coatings
09 96 35	Chemical-Resistant Coatings
09 96 43	Fire-Retardant Coatings
09 96 46	Intumescent Painting
09 96 53	Elastomeric Coatings
09 96 56	Epoxy Coatings
09 96 59	High-Build Glazed Coatings
09 96 63	Textured Plastic Coatings
09 96 66	Aggregate Wall Coatings
09 97 00	Special Coatings
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09 97 13	Steel Coatings
09 97 13.13 09 97 13.23	Interior Steel Coatings
119 97 13 23	
	Exterior Steel Coatings Steel Water Storage Tank Bainting
09 97 13.24	Steel Water Storage Tank Painting
09 97 13.24 09 97 23	Steel Water Storage Tank Painting Concrete and Masonry Coatings
09 97 13.24 09 97 23 09 97 23.24	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting
09 97 13.24 09 97 23 09 97 23.24 09 97 26	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13 09 97 26.23	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings Exterior Cementitious Coatings
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings Exterior Cementitious Coatings Dry Erase Coatings
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13 09 97 26.23 09 97 35	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings Exterior Cementitious Coatings Dry Erase Coatings
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13 09 97 26.23 09 97 35 10 00 00	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings Exterior Cementitious Coatings Dry Erase Coatings Specialties
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13 09 97 26.23 09 97 35 10 00 00 10 01 00	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings Exterior Cementitious Coatings Dry Erase Coatings Specialties Operation and Maintenance of Specialties
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13 09 97 26.23 09 97 35 10 00 00	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings Exterior Cementitious Coatings Dry Erase Coatings Specialties
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13 09 97 26.23 09 97 35 10 00 00 10 01 00	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings Exterior Cementitious Coatings Dry Erase Coatings Specialties Operation and Maintenance of Specialties
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13 09 97 26.23 09 97 35 10 00 00 10 01 00 10 01 10	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings Exterior Cementitious Coatings Dry Erase Coatings Specialties Operation and Maintenance of Specialties Operation and Maintenance of Information Specialties Operation and Maintenance of Interior Specialties
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13 09 97 26.23 09 97 35 10 00 00 10 01 00 10 01 10 10 01 20	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings Exterior Cementitious Coatings Dry Erase Coatings Specialties Operation and Maintenance of Specialties Operation and Maintenance of Information Specialties Operation and Maintenance of Interior Specialties Operation and Maintenance of Fireplaces and Stoves
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13 09 97 26.23 09 97 35 10 00 00 10 01 00 10 01 10 10 01 20 10 01 30 10 01 40	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings Exterior Cementitious Coatings Dry Erase Coatings Specialties Operation and Maintenance of Specialties Operation and Maintenance of Information Specialties Operation and Maintenance of Interior Specialties Operation and Maintenance of Fireplaces and Stoves Operation and Maintenance of Safety Specialties
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13 09 97 26.23 09 97 35 10 00 00 10 01 00 10 01 10 10 01 20 10 01 30 10 01 40 10 01 50	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings Exterior Cementitious Coatings Dry Erase Coatings Specialties Operation and Maintenance of Specialties Operation and Maintenance of Information Specialties Operation and Maintenance of Interior Specialties Operation and Maintenance of Fireplaces and Stoves Operation and Maintenance of Safety Specialties Operation and Maintenance of Storage Specialties
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13 09 97 26.23 09 97 35 10 00 00 10 01 00 10 01 10 10 01 20 10 01 30 10 01 40 10 01 50 10 01 70	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings Exterior Cementitious Coatings Dry Erase Coatings Specialties Operation and Maintenance of Specialties Operation and Maintenance of Information Specialties Operation and Maintenance of Interior Specialties Operation and Maintenance of Fireplaces and Stoves Operation and Maintenance of Safety Specialties Operation and Maintenance of Storage Specialties Operation and Maintenance of Exterior Specialties Operation and Maintenance of Exterior Specialties
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13 09 97 26.23 09 97 35 10 00 00 10 01 00 10 01 10 10 01 20 10 01 30 10 01 40 10 01 50 10 01 70 10 01 80	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings Exterior Cementitious Coatings Dry Erase Coatings Specialties Operation and Maintenance of Specialties Operation and Maintenance of Information Specialties Operation and Maintenance of Interior Specialties Operation and Maintenance of Fireplaces and Stoves Operation and Maintenance of Safety Specialties Operation and Maintenance of Storage Specialties Operation and Maintenance of Exterior Specialties Operation and Maintenance of Other Specialties Operation and Maintenance of Other Specialties
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13 09 97 26.23 09 97 35 10 00 00 10 01 00 10 01 10 10 01 20 10 01 30 10 01 40 10 01 50 10 01 70 10 01 80 10 05 00	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings Exterior Cementitious Coatings Dry Erase Coatings Specialties Operation and Maintenance of Specialties Operation and Maintenance of Information Specialties Operation and Maintenance of Interior Specialties Operation and Maintenance of Fireplaces and Stoves Operation and Maintenance of Safety Specialties Operation and Maintenance of Storage Specialties Operation and Maintenance of Exterior Specialties Operation and Maintenance of Exterior Specialties Operation and Maintenance of Other Specialties Common Work Results for Specialties
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13 09 97 26.23 09 97 35 10 00 00 10 01 00 10 01 10 10 01 20 10 01 30 10 01 40 10 01 50 10 01 70 10 01 80	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings Exterior Cementitious Coatings Dry Erase Coatings Specialties Operation and Maintenance of Specialties Operation and Maintenance of Information Specialties Operation and Maintenance of Interior Specialties Operation and Maintenance of Fireplaces and Stoves Operation and Maintenance of Safety Specialties Operation and Maintenance of Storage Specialties Operation and Maintenance of Exterior Specialties Operation and Maintenance of Other Specialties Operation and Maintenance of Other Specialties
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13 09 97 26.23 09 97 35 10 00 00 10 01 00 10 01 10 10 01 20 10 01 30 10 01 40 10 01 50 10 01 70 10 01 80 10 05 00	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings Exterior Cementitious Coatings Dry Erase Coatings Specialties Operation and Maintenance of Specialties Operation and Maintenance of Information Specialties Operation and Maintenance of Interior Specialties Operation and Maintenance of Fireplaces and Stoves Operation and Maintenance of Safety Specialties Operation and Maintenance of Storage Specialties Operation and Maintenance of Exterior Specialties Operation and Maintenance of Other Specialties Operation and Maintenance of Other Specialties Common Work Results for Specialties Selective Demolition for Specialties
09 97 13.24 09 97 23 09 97 23.24 09 97 26 09 97 26.13 09 97 26.23 09 97 35 10 00 00 10 01 00 10 01 10 10 01 20 10 01 30 10 01 40 10 01 50 10 01 70 10 01 80 10 05 00 10 05 05	Steel Water Storage Tank Painting Concrete and Masonry Coatings Concrete Water Storage Tank Painting Cementitious Coatings Interior Cementitious Coatings Exterior Cementitious Coatings Dry Erase Coatings Specialties Operation and Maintenance of Specialties Operation and Maintenance of Information Specialties Operation and Maintenance of Interior Specialties Operation and Maintenance of Fireplaces and Stoves Operation and Maintenance of Safety Specialties Operation and Maintenance of Storage Specialties Operation and Maintenance of Exterior Specialties Operation and Maintenance of Exterior Specialties Operation and Maintenance of Other Specialties Common Work Results for Specialties

10 06 10.13 10 06 10.16 10 06 20 10 06 20.13 10 06 30 10 06 40 10 06 50 10 06 70 10 06 80	Exterior Signage Schedule Interior Signage Schedule Schedules for Interior Specialties Toilet, Bath, and Laundry Accessory Schedule Schedules for Fireplaces and Stoves Schedules for Safety Specialties Schedules for Storage Specialties Schedules for Exterior Specialties Schedules for Other Specialties Commissioning of Specialties
10 10 00	Information Specialties
10 11 00	Visual Display Units
10 11 13 10 11 13.13 10 11 13.23 10 11 13.33 10 11 13.43 10 11 16.13 10 11 16.23 10 11 16.33 10 11 16.43 10 11 16.53 10 11 23 10 11 23.13 10 11 23.13 10 11 23.23 10 11 23.33 10 11 23.43 10 11 33.13 10 11 33.13 10 11 33.13 10 11 33.13 10 11 36 10 11 39 10 11 43 10 11 46	Chalkboards Fixed Chalkboards Modular-Support-Mounted Chalkboards Rail-Mounted Chalkboards Portable Chalkboards Markerboards Fixed Markerboards Modular-Support-Mounted Markerboards Rail-Mounted Markerboards Portable Markerboards Portable Markerboards Electronic Markerboards Fixed Tackboards Fixed Tackboards Modular-Support-Mounted Tackboards Rail-Mounted Tackboards Rail-Mounted Tackboards Sliding Visual Display Units Horizontal-Sliding Visual Display Units Vertical-Sliding Visual Display Units Visual Display Rails Visual Display Wall Panels Visual Display Fabrics
10 11 46	Display Cases
10 13 00	Directories
10 13 13 10 13 23 10 14 00	Electronic Directories Illuminated Directories Signage
10 14 16 10 14 19 10 14 23 10 14 23.13 10 14 26 10 14 33 10 14 43 10 14 53 10 14 53.13 10 14 63 10 14 64	Plaques Dimensional Letter Signage Panel Signage Engraved Panel Signage Post and Panel/Pylon Signage Illuminated Panel Signage Photoluminescent Signage Traffic Signage Transportation Reference Markers Electronic Message Signage Audible Signage

10 14 66 10 14 67 10 17 00 10 17 13 10 17 16 10 17 16.13 10 17 16.16 10 17 19 10 18 00	Floating Signage Tactile Signage Telephone Specialties Telephone Directory Units Telephone Enclosures Telephone Stalls Telephone Alcoves Telephone Shelving Informational Kiosks
10 20 00	Interior Specialties
	•
10 21 00	Compartments and Cubicles
10 21 13	Toilet Compartments
10 21 13.13 10 21 13.14	Metal Toilet Compartments Stainless-Steel Toilet Compartments
10 21 13.14	Plastic-Laminate-Clad Toilet Compartments
10 21 13.17	Phenolic-Core Toilet Compartments
10 21 13.19	Plastic Toilet Compartments
10 21 13.23	Particleboard Toilet Compartments
10 21 13.40	Stone Toilet Compartments
10 21 16 10 21 16.13	Shower and Dressing Compartments
10 21 16.13	Metal Shower and Dressing Compartments Stainless-Steel Shower and Dressing Compartments
10 21 16.11	Plastic-Laminate-Clad Shower and Dressing Compartments
10 21 16.17	Phenolic-Core Shower and Dressing Compartments
10 21 16.19	Plastic Shower and Dressing Compartments
10 21 16.23	Particleboard Shower and Dressing Compartments
10 21 16.40	Stone Shower and Dressing Compartments
10 21 23	Cubicle Curtains and Track
10 21 23.13 10 21 23.16	Cubicle Curtains Cubicle Track and Hardware
10 21 26	Room Darkening Curtains and Tracks
10 22 00	Partitions
10 22 13	Wire Mesh Partitions
10 22 13	Expanded Metal Partitions
10 22 16	Folding Gates
10 22 19	Demountable Partitions
10 22 19.13	Demountable Metal Partitions
10 22 19.23	Demountable Wood Partitions
10 22 19.33	Demountable Plastic Partitions
10 22 19.43	Demountable Composite Partitions
10 22 19.53 10 22 23	Demountable Gypsum Partitions Portable Partitions, Screens, and Panels
10 22 23.13	Wall Screens
10 22 23.23	Movable Panel Systems
10 22 33	Accordion Folding Partitions
10 22 36	Coiling Partitions
10 22 39	Folding Panel Partitions
10 22 39.13	Folding Glass-Panel Partitions
10 22 43	Sliding Partitions
10 25 00	Service Walls
10 25 13	Patient Bed Service Walls

10 25 16 10 26 00 10 26 13 10 26 16 10 26 16.13 10 26 16.16 10 26 23 10 26 23.13 10 26 23.16	Modular Service Walls Wall and Door Protection Corner Guards Bumper Guards Bumper Rails Protective Corridor Handrails Protective Wall Covering Impact Resistant Wall Protection Fiberglass Reinforced Protective Wall Covering
10 26 33	Door and Frame Protection Bullet Resistant Panels
10 26 41 10 28 00	Toilet, Bath, and Laundry Accessories
10 28 13 10 28 13.13 10 28 13.19 10 28 13.53 10 28 13.63 10 28 16 10 28 16.13 10 28 19 10 28 19.16 10 28 19.19	Toilet Accessories Commercial Toilet Accessories Healthcare Toilet Accessories Security Toilet Accessories Detention Toilet Accessories Bath Accessories Residential Bath Accessories Tub and Shower Enclosures Shower Doors Tub Doors
10 28 23 10 28 23.13 10 28 23.16 10 28 26	Laundry Accessories Built-In Ironing Boards Clothes Drying Racks Hygiene and Custodial Accessories
10 30 00	Fireplaces and Stoves
10 31 00	Manufactured Fireplaces
10 31 13 10 31 16	Manufactured Fireplace Chimneys Manufactured Fireplace Forms
10 32 00	Fireplace Specialties
10 32 13 10 32 16 10 32 19 10 32 23 10 32 26	Fireplace Dampers Fireplace Inserts Fireplace Screens Fireplace Doors Fireplace Water Heaters
10 35 00	Stoves
10 35 13 10 35 23	Heating Stoves Cooking Stoves
10 40 00	Safety Specialties
10 41 00 10 41 13 10 41 16 10 43 00 10 43 13 10 43 16 10 43 21 10 43 31 10 43 33	Emergency Access and Information Cabinets Fire Department Plan Cabinets Emergency Key Cabinets Emergency Aid Specialties Defibrillator Cabinets First Aid Cabinets Accessibility Evacuation Chairs Respiration Equipment Breathing Air Replenishment Systems

10 44 00 10 44 13 10 44 13.53 10 44 16 10 44 16.13 10 44 16.16 10 44 19	Fire Protection Specialties Fire Protection Cabinets Security Fire Extinguisher Cabinets Fire Extinguishers Portable Fire Extinguishers Wheeled Fire Extinguisher Units Fire Blankets
10 44 43	Fire Extinguisher Accessories
10 45 00	Photoluminescent Exit Specialties
10 50 00	Storage Specialties
	<u> </u>
10 51 00	Lockers
10 51 13 10 51 13.13	Metal Lockers Coin-Operated Metal Lockers
10 51 15.13	Wood Lockers
10 51 10	Plastic-Laminate-Clad Lockers
10 51 26	Plastic Lockers
10 51 26.13	
10 51 29	Phenolic Lockers
10 51 33	Glass Lockers
10 51 43	Wire Mesh Storage Lockers
10 51 53	Locker Room Benches
10 55 00	Postal Specialties
10 55 13	Central Mail Delivery Boxes
10 55 13.13	Cluster Box Units
10 55 16 10 55 19	Mail Collection Boxes Receiving Boxes
10 55 23	Mail Boxes
10 55 23.13	Apartment Mail Boxes
10 55 23.16	Mail Box Directories
10 55 23.19	Mail Box Key Keepers
10 55 26	Parcel Lockers
10 55 33	Data Distribution Boxes
10 55 36	Package Depositories
10 55 91	Mail Chutes
10 56 00	Storage Assemblies
10 56 13 10 56 13.13	Metal Storage Shelving End-Panel-Support Metal Storage Shelving
10 56 13.16	Post-and-Shelf Metal Storage Shelving
10 56 13.19	Post-and-Beam Metal Storage Shelving
10 56 13.23	Cantilever Metal Storage Shelving
10 56 16	Fabricated Wood Storage Shelving
10 56 17	Wall-Mounted Standards and Shelving
10 56 19 10 56 19.13	Plastic Storage Shelving
10 56 23	Recycled Plastic Storage Shelving Wire Storage Shelving
10 56 26	Mobile Storage Shelving
10 56 26.13	Manual Mobile Storage Shelving
10 56 26.23	Motorized Mobile Storage Shelving
10 56 29	Storage Racks
10 56 29.13	Flow Storage Racks

10 56 29.16 10 56 29.19 10 56 29.23 10 56 29.26 10 56 29.29 10 56 29.33 10 56 29.43 10 56 33 10 57 13 10 57 16 10 57 23 10 57 23.13 10 57 23.16 10 57 23.19 10 57 36 10 57 36.13 10 57 36.16	Pallet Storage Racks Movable-Shelf Storage Racks Stacker Storage Racks Cantilever Storage Racks Drive-In Storage Racks Drive-Through Storage Racks Wine Storage Racks Mercantile Storage Assemblies Wardrobe and Closet Specialties Hat and Coat Racks Boot Racks Closet and Utility Shelving Wire Closet and Utility Shelving Plastic-Laminate-Clad Closet and Utility Shelving Wood Closet and Utility Shelving Closet and Utility Shelving Hardware Closet Doors Sliding Closet Doors Bifold Closet Doors
10 70 00	Exterior Specialties
10 71 00	Exterior Protection
10 71 13 10 71 13.13 10 71 13.19 10 71 13.23 10 71 13.26 10 71 13.29 10 71 13.43 10 71 13.53 10 71 16 10 71 16.13 10 71 16.16 10 71 19 10 71 19.16	Exterior Sun Control Devices Exterior Shutters Rolling Exterior Shutters Coiling Exterior Shutters Decorative Exterior Shutters Side-Hinged Exterior Shutters Fixed Sun Screens Exterior Daylighting Devices Storm Panels Demountable Storm Panels Movable Storm Panels Flood Barriers Removable Flood Barriers Protective Covers
10 73 13 10 73 13.13 10 73 13.23 10 73 13.36 10 73 16 10 73 16.13 10 73 16.23 10 73 16.36 10 73 23 10 73 26 10 73 26.13 10 73 26.23 10 73 26.33 10 73 26.33 10 73 33 10 73 33	Awnings Metal Awnings Fabric Awnings Point Supported Glass Awnings Canopies Metal Canopies Fabric Canopies Glazed Canopies Point Supported Glass Canopies Car Shelters Walkway Coverings Metal Walkway Coverings Fabric Walkway Coverings Fabric Walkway Coverings Glazed Walkway Coverings Point Supported Glass Walkway Coverings Marquees Transportation Stop Shelters

10 74 00	Manufactured Exterior Specialties
10 74 13	Exterior Clocks
10 74 23 10 74 26	Cupolas
10 74 20	Spires Steeples
10 74 33	Weathervanes
10 74 43	Below-Grade Egress Assemblies
10 74 46	Window Wells
10 75 00 10 75 13	Flagpoles Automatic Flagpoles
10 75 16	Ground-Set Flagpoles
10 75 19	Nautical Flagpoles
10 75 23	Wall-Mounted Flagpoles
10 75 26 10 75 29	Roof-Mounted Flagpoles Plaza-Mounted Flagpoles
10 80 00	Other Specialties
10 81 00	Pest Control Devices
10 81 00	Bird Control Devices
10 81 16	Insect Control Devices
10 81 19	Rodent Control Devices
10 82 00	Grilles and Screens
10 82 13	Exterior Grilles and Screens
10 82 19 10 82 23	Exterior Sound Screens Interior Grilles and Screens
10 83 00	Flags and Banners
10 83 13	Flags
10 83 16	Banners
10 84 00	Gas Lighting
10 84 13 10 84 16	Exterior Gas Lighting Interior Gas Lighting
10 86 00	Security Mirrors and Domes
10 88 00	Scales
11 00 00	Equipment
11 01 00	Operation and Maintenance of Equipment
11 01 10	Operation and Maintenance of Vehicle and Pedestrian Equipment
11 01 20	Operation and Maintenance of Commercial Equipment
11 01 30 11 01 40	Operation and Maintenance of Residential Equipment Operation and Maintenance of Foodservice Equipment
11 01 50	Operation and Maintenance of Educational and Scientific Equipment
11 01 56	Operation and Maintenance of Observatory Equipment
11 01 60	Operation and Maintenance of Entertainment and Recreation Equipment
11 01 70 11 01 80	Operation and Maintenance of Healthcare Equipment Operation and Maintenance of Facility Maintenance and Operation
110100	Equipment
11 01 90	Operation and Maintenance of Other Equipment
11 05 00	Common Work Results for Equipment
11 05 05	Selective Demolition for Equipment

11 05 13 11 06 00 11 06 10 11 06 20 11 06 30 11 06 40 11 06 40.13 11 06 50 11 06 60 11 06 70 11 06 70.13 11 06 80 11 06 90 11 06 90.11	Common Motor Requirements for Equipment Schedules for Equipment Schedules for Vehicle and Pedestrian Equipment Schedules for Commercial Equipment Schedules for Residential Equipment Schedules for Foodservice Equipment Foodservice Equipment Schedule Schedules for Educational and Scientific Equipment Schedules for Entertainment and Recreation Equipment Schedules for Healthcare Equipment Healthcare Equipment Schedule Schedules for Facility Maintenance and Operation Equipment Schedules for Other Equipment Schedules for Detention Equipment
11 08 00	Commissioning of Equipment
11 10 00	Vehicle and Pedestrian Equipment
11 11 00 11 11 13 11 11 19 11 11 23 11 11 26 11 11 36.13 11 11 36.16 11 12 00 11 12 13 11 12 13 11 12 26 11 12 26 11 12 26.13 11 12 33 11 12 33.13 11 12 33.16 11 12 33.19	Vehicle Service Equipment Compressed-Air Vehicle Service Equipment Vehicle Lubrication Equipment Tire-Changing Equipment Vehicle-Washing Equipment Vehicle Charging Equipment Commercial Electric Vehicle Charging Unit Residential Electric Vehicle Charging Unit Parking Control Equipment Parking Key and Card Control Units Parking Ticket Dispensers Parking Meters Parking Meters Parking Fee Collection Equipment Parking Gates Lift Arm Parking Gates Sliding Parking Gates Swinging Parking Gates
11 13 00 11 13 13	Loading Dock Equipment Loading Dock Bumpers
11 13 16 11 13 16.13 11 13 16.23 11 13 16.33 11 13 19.13 11 13 19.23 11 13 19.26 11 13 19.33 11 13 23.13 11 13 23.13 11 13 23.16 11 13 23.19 11 13 23.23 11 13 26	Loading Dock Seals and Shelters Loading Dock Seals Loading Dock Shelters Loading Dock Rail Shelters Stationary Loading Dock Equipment Loading Dock Levelers Stationary Loading Dock Lifts Loading Dock Truck Lifts Loading Dock Truck Restraints Portable Dock Equipment Portable Dock Equipment Portable Dock Ramps Portable Dock Bridges Portable Dock Platforms Loading Dock Lights

11	14 00 11 14 13	Pedestrian Control Equipment Pedestrian Gates
	11 14 13	Rotary Gates
	11 14 13.19	Turnstiles
	11 14 16	Pedestrian Control Devices
	11 14 19	Portable Posts and Railings
	11 14 26	Pedestrian Fare Collection Equipment
	11 14 26.13 11 14 43	Pedestrian Coin Fare Collection Equipment Pedestrian Detection Equipment
	11 14 43	Electronic Detection and Counting Systems
	11 14 53	Pedestrian Security Equipment
11	15 00	Security Control Equipment
	20 00	Commercial Equipment
11	21 00	Retail and Service Equipment
	11 21 13	Cash Registers and Checking Equipment
	11 21 23	Vending Equipment
	11 21 23.13 11 21 23.16	Merchandise Vending Machines Reverse Vending Machines
	11 21 23.10	Video Rental Vending Machines
	11 21 23.36	Token Vending Machines
	11 21 24	Money Changing Machines
	11 21 33	Checkroom Equipment
	11 21 43	Weighing and Wrapping Equipment
	11 21 53	Barber and Beauty Shop Equipment
	11 21 63 11 21 73	Refrigerated Display Equipment Commercial Laundry and Dry Cleaning Equipment
	11 21 73	Dry Cleaning Equipment
	11 21 73.16	Drying and Conditioning Equipment
	11 21 73.19	Finishing Equipment
	11 21 73.23	Commercial Ironing Equipment
	11 21 73.26 11 21 73.33	Commercial Washers and Extractors
	11 21 73.33	Coin-Operated Laundry Equipment Hanging Garment Conveyors
	11 21 83	Photo Processing Equipment
11	22 00	Banking Equipment
	11 22 13	Vault Equipment
	11 22 13.13	Safe Deposit Boxes
	11 22 13.16 11 22 13.23	Safes Vault Ventilators
	11 22 13.23	Time Capsules
	11 22 16	Teller and Service Equipment
	11 22 16.13	Teller Equipment Systems
	11 22 16.16	Automatic Banking Systems
	11 22 16.19 11 22 16.23	Money Panaling Equipment
	11 22 16.23	Money Depositories Money Cart Pass-Through
	11 22 16.29	Package Transfer Units
	11 22 16.33	Deal Trays
11	25 00	Hospitality Equipment
	11 25 13	Registration Equipment
11	28 00	Office Equipment

11 28 13	Computers
11 28 16 11 28 23	Printers
11 29 00	Copiers Postal, Packaging, and Shipping Equipment
11 29 00	Packaging Equipment
11 29 33	Shipping Equipment
11 29 55	Postal Equipment
11 30 00	Residential Equipment
11 30 13	Residential Appliances
11 30 13.13	Residential Kitchen Appliances
11 30 13.23 11 30 33	Residential Laundry Appliances Retractable Stairs
11 30 33	Residential Ceiling Fans
11 32 00	Unit Kitchens
11 32 13	Metal Unit Kitchens
11 32 16	Wood Unit Kitchens
11 32 19	Plastic-Laminate-Clad Unit Kitchens
11 40 00	Foodservice Equipment
11 41 00	Foodservice Storage Equipment
11 41 13	Refrigerated Food Storage Cases
11 41 23	Walk-In Coolers
11 41 26	Walk-In Freezers
11 41 33	Food Propagation Equipment
11 42 00 11 42 13	Food Preparation Equipment Food Preparation Appliances
11 42 13	Food Preparation Surfaces
11 43 00	Food Delivery Carts and Conveyors
11 43 13	Food Delivery Carts
11 43 16	Food Delivery Conveyors
11 44 00	Food Cooking Equipment
11 44 13	Commercial Ranges
11 44 16	Commercial Ovens
11 46 00	Food Dispensing Equipment
11 46 13	Bar Equipment
11 46 16 11 46 19	Service Line Equipment
11 46 23	Soda Fountain Equipment Coffee and Espresso Equipment
11 46 83	Ice Machines
11 48 00	Foodservice Cleaning and Disposal Equipment
11 48 13	Commercial Dishwashers
11 50 00	Educational and Scientific Equipment
11 51 00	Library Equipment
11 51 13	Automated Book Storage and Retrieval Systems
11 51 16	Book Depositories
11 51 19 11 51 23	Book Theft Protection Equipment
	Library Stack Systems

11 52 00	Audio-Visual Equipment
11 52 13	Projection Screens
11 52 13.13	Fixed Projection Screens
11 52 13.16 11 52 13.19	Portable Projection Screens Rear Projection Screens
11 52 16	Projectors
11 52 16.13	Movie Projectors
11 52 16.16	Slide Projectors
11 52 16.19	Overhead Projectors
11 52 16.23	Opaque Projectors
11 52 16.26 11 52 19	Video Projectors
11 52 19	Players and Recorders Audio-Visual Equipment Supports
11 53 00	Laboratory Equipment
11 53 00	Laboratory Equipment Laboratory Fume Hoods
11 53 13.13	Recirculating Laboratory Fume Hoods
11 53 16	Laboratory Incubators
11 53 17	Laboratory Equipment Washers
11 53 19	Laboratory Sterilizers
11 53 23	Laboratory Refrigerators
11 53 26	Laboratory Freezers
11 53 29	Laboratory Controlled-Environment Cabinets
11 53 33	Emergency Safety Appliances
11 53 43 11 53 53	Service Fittings and Accessories Biological Safety Cabinets
11 55 00	
11 55 00	Planetarium Equipment Planetarium Projectors
11 55 16	Planetarium Pendulums
11 56 00	Observatory Equipment
11 56 13	Telescopes
11 56 16	Telescope Mounts
11 56 19	Telescope Drive Mechanisms
11 56 23	Telescope Domes
11 57 00	Vocational Shop Equipment
11 59 00	Exhibit Equipment
11 60 00	Entertainment and Recreation Equipment
11 61 00	Broadcast, Theater, and Stage Equipment
11 61 13	Acoustical Shells
11 61 23	Folding and Portable Stages
11 61 33	Rigging Systems and Controls
11 61 33.11 11 61 33.16	Lighting Rigging Systems Scenery Rigging Systems
11 61 33.19	Curtain Systems
11 61 43	Stage Curtains
11 62 00	Musical Equipment
11 62 13	Bells
11 62 16	Carillons
11 62 19	Organs
11 66 00	Athletic Equipment

11 66 13 11 66 23 11 66 23.13 11 66 23.23 11 66 23.33 11 66 23.43 11 66 23.53 11 66 23.56 11 66 43 11 66 53 11 66 53.13 11 67 00 11 67 13 11 67 23 11 67 43 11 67 43.13 11 67 43.13 11 67 53.13 11 67 53.13 11 67 53.23 11 68 13 11 68 23.13 11 68 23.13 11 68 23.23 11 68 33.13 11 68 33.13 11 68 33.23 11 68 33.23 11 68 33.23 11 68 33.23 11 68 33.33	Exercise Equipment Gymnasium Equipment Basketball Equipment Volleyball Equipment Interior Track and Field Equipment Interior Track and Field Equipment Wall Padding Mat Storage Interior Scoreboards Gymnasium Dividers Batting/Golf Cages Recreational Equipment Bowling Alley Equipment Shooting Range Equipment Climbing Walls Table Games Equipment Pool Tables Ping-Pong Tables Game Room Equipment Video Games Pinball Machines Play Field Equipment Play Structures Exterior Court Athletic Equipment Exterior Basketball Equipment Exterior Volleyball Equipment Tennis Equipment Athletic Field Equipment Football Field Equipment Soccer and Field Hockey Equipment
11 68 33.43 11 68 43	Baseball Field Equipment Track and Field Equipment Exterior Scoreboards
11 70 00	Healthcare Equipment
11 71 00	Medical Sterilizing Equipment
11 72 00	Examination and Treatment Equipment
11 72 13	Examination Equipment
11 72 53 11 73 00	Treatment Equipment Patient Care Equipment
11 73 13	Psychiatric Seclusion Room Padding
11 74 00	Dental Equipment
11 75 00	Optical Equipment
11 76 00	Operating Room Equipment
11 77 00	Radiology Equipment
11 78 00	Mortuary Equipment
11 78 13 11 78 16 11 78 19	Mortuary Refrigerators Crematorium Equipment Mortuary Lifts

11 79 00 11 80 00	Therapy Equipment Facility Maintenance and Operation Equipment
11 81 00 11 81 13 11 81 16 11 81 19 11 81 23 11 81 23.13 11 81 29	Facility Maintenance Equipment Floor and Wall Cleaning Equipment Housekeeping Carts Vacuum Cleaning Systems Façade Access Equipment Window Washing Systems Facility Fall Protection
11 82 00 11 82 13 11 82 19 11 82 23 11 82 26 11 82 29 11 82 33 11 82 36	Facility Solid Waste Handling Equipment Solid Waste Bins Packaged Incinerators Recycling Equipment Facility Waste Compactors Composting Equipment Facility Waste Shredders Facility Waste Balers
11 90 00	Other Equipment
11 91 00	Religious Equipment
11 91 13	Baptisteries
11 92 00 11 92 13 11 92 16 11 92 19 11 92 23	Agricultural Equipment Milkers Stock Feeders Stock Waterers Agricultural Waste Clean-Up Equipment
11 93 00	Horticultural Equipment
11 93 13 11 93 16	Hydroponic Growing Systems Seeders
11 93 19	Transplanters
11 93 23 11 93 26	Potting Machines Flat Fillers
11 93 29	Baggers
11 93 33	Soil Mixers
11 94 00	Veterinary Equipment
11 95 00	Arts and Crafts Equipment
11 95 13	Kilns
11 97 00 11 97 13 11 97 16 11 97 23	Security Equipment Deal Drawers Gun Ports Valuable Material Storage
11 98 00	Detention Equipment
11 98 11	Detention Equipment General Requirements
11 98 12 11 98 13	Detention Doors and Frames Detention Pass-Through Doors
11 98 14	Detention Door Hardware

11 98 16	Detention Equipment Fasteners
11 98 19	Detention Room Padding
11 98 21	Detention Windows
11 98 23	Detention Window Screens
12 00 00	Furnishings
12 01 00	Operation and Maintenance of Furnishings
12 01 10	Operation and Maintenance of Art
12 01 20	Operation and Maintenance of Window Treatments
12 01 30	Operation and Maintenance of Casework
12 01 40	Operation and Maintenance of Furnishings and Accessories
12 01 50	Operation and Maintenance of Furniture
12 01 60	Operation and Maintenance of Multiple Seating
12 01 90	Operation and Maintenance of Other Furnishings
12 05 00	Common Work Results for Furnishings
12 05 05	Selective Demolition for Furnishings
12 05 13	Fabrics
12 06 00	Schedules for Furnishings
12 06 10	Schedules for Art
12 06 20	Schedules for Window Treatments
12 06 20.13	Window Treatment Schedule
12 06 30	Schedules for Casework
12 06 30.13 12 06 40	Manufactured Casework Schedule Schedules for Furnishings and Accessories
12 06 40.13	Furnishings Schedule
12 06 50	Schedules for Furniture
12 06 60	Schedules for Multiple Seating
12 06 90	Schedules for Other Furnishings
12 08 00	Commissioning of Furnishings
12 00 00	
12 10 00	Art
12 10 00	Art
12 10 00 12 11 00 12 11 13 12 11 16	Art Murals Photo Murals Sculptured Brick Panels
12 10 00 12 11 00 12 11 13 12 11 16 12 11 23	Art Murals Photo Murals Sculptured Brick Panels Brick Murals
12 10 00 12 11 00 12 11 13 12 11 16 12 11 23 12 11 26	Art Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals
12 10 00 12 11 00 12 11 13 12 11 16 12 11 23 12 11 26 12 11 33	Art Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil
12 10 00 12 11 00 12 11 13 12 11 16 12 11 23 12 11 26 12 11 33 12 12 00	Art Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations
12 10 00 12 11 00 12 11 13 12 11 16 12 11 23 12 11 26 12 11 33 12 12 00 12 12 13	Art Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings
12 10 00 12 11 00 12 11 13 12 11 16 12 11 23 12 11 26 12 11 33 12 12 10 12 12 13 12 12 16	Art Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings
12 10 00 12 11 00 12 11 13 12 11 16 12 11 23 12 11 26 12 11 33 12 12 10 12 12 13 12 12 16 12 12 19	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings Framed Prints
12 10 00 12 11 00 12 11 13 12 11 16 12 11 23 12 11 26 12 11 33 12 12 00 12 12 13 12 12 16 12 12 19 12 12 23	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings Framed Prints Tapestries
12 10 00 12 11 00 12 11 13 12 11 16 12 11 23 12 11 26 12 11 33 12 12 10 12 12 13 12 12 16 12 12 19 12 12 23 12 12 26	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings Framed Prints Tapestries Wall Hangings
12 10 00 12 11 00 12 11 13 12 11 16 12 11 23 12 11 26 12 11 33 12 12 10 12 12 13 12 12 16 12 12 19 12 12 23 12 12 26 12 14 00	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings Framed Prints Tapestries Wall Hangings Sculptures
12 10 00 12 11 00 12 11 13 12 11 16 12 11 23 12 11 26 12 11 33 12 12 00 12 12 13 12 12 16 12 12 19 12 12 23 12 12 26 12 14 00 12 14 13	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings Framed Prints Tapestries Wall Hangings Sculptures Carved Sculpture
12 10 00 12 11 00 12 11 13 12 11 16 12 11 23 12 11 26 12 11 33 12 12 00 12 12 13 12 12 16 12 12 19 12 12 23 12 12 26 12 14 13 12 14 16	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings Framed Prints Tapestries Wall Hangings Sculptures Carved Sculpture Cast Sculpture
12 10 00 12 11 00 12 11 13 12 11 16 12 11 23 12 11 26 12 11 33 12 12 00 12 12 13 12 12 16 12 12 19 12 12 23 12 12 26 12 14 00 12 14 13	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings Framed Prints Tapestries Wall Hangings Sculptures Carved Sculpture
12 10 00 12 11 00 12 11 13 12 11 16 12 11 23 12 11 26 12 11 33 12 12 00 12 12 13 12 12 16 12 12 19 12 12 23 12 12 26 12 14 13 12 14 16 12 14 19	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings Framed Prints Tapestries Wall Hangings Sculptures Carved Sculpture Cast Sculpture Constructed Sculpture

12 17 13	Etched Glass
12 17 16	Stained Glass
12 19 00	Religious Art
12 20 00	Window Treatments
12 21 00	Window Blinds
12 21 13	Wood Blinds
12 21 13.13 12 21 13.23	Metal Horizontal Louver Blinds Wood Horizontal Louver Blinds
12 21 13.33	Plastic Horizontal Louver Blinds
12 21 16	Vertical Louver Blinds
12 21 16.13 12 21 16.23	Metal Vertical Louver Blinds Wood Vertical Louver Blinds
12 21 16.23	Plastic Vertical Louver Blinds
12 21 23	Roll-Down Blinds
12 21 26	Black-Out Blinds
12 22 00	Curtains and Drapes
12 22 13 12 22 16	Draperies
12 23 00	Drapery Track and Accessories Interior Shutters
12 23 00	Wood Interior Shutters
12 24 00	Window Shades
12 24 13	Roller Window Shades
12 24 16	Pleated Window Shades
12 24 16.13	Z-Pleated Window Shades
12 24 16.16 12 24 16.19	Cellular Shades Roman Shades
12 25 00	Window Treatment Operating Hardware
12 25 09	Window Treatment Control System
12 25 13	Motorized Drapery Rods
12 26 00	Interior Daylighting Devices
12 30 00	Casework
12 31 00	Manufactured Metal Casework
12 31 16	Manufactured Metal Sandwich Panel Casework
12 32 00	Manufactured Wood Casework
12 32 13	Manufactured Wood-Veneer-Faced Casework
12 32 16 12 34 00	Manufactured Plastic Casework
12 34 00 12 34 16	Manufactured Plastic Casework Manufactured Solid-Plastic Casework
12 34 10	Manufactured Solid Surface Casework
12 35 00	Specialty Casework
12 35 17	Bank Casework
12 35 25	Hospitality Casework
12 35 30	Residential Casework
12 35 30.13 12 35 30.23	Kitchen Casework Bathroom Casework
12 35 30.43	Dormitory Casework
12 35 33	Utility Room Casework
12 35 36	Mailroom Casework

12 35 39 12 35 50 12 35 50.13 12 35 50.53 12 35 50.56 12 35 53.13 12 35 53.16 12 35 53.19 12 35 53.23 12 35 59 12 35 70.13 12 35 70.16 12 35 70.19 12 35 70.19 12 35 83 12 35 91	Commercial Kitchen Casework Educational/Library Casework Educational Casework Library Casework Built-In Study Carrels Laboratory Casework Metal Laboratory Casework Plastic-Laminate-Clad Laboratory Casework Wood Laboratory Casework Solid-Plastic Laboratory Casework Display Casework Healthcare Casework Hospital Casework Nurse Station Casework Exam Room Casework Dental Casework Performing Arts Casework Religious Casework
12 36 00	Countertops
12 36 13 12 36 16	Concrete Countertops Metal Countertops
12 36 19	Wood Countertops
12 36 23	Plastic Countertops
12 36 23.13 12 36 26	Plastic-Laminate-Clad Countertops Glass Countertops
12 36 40	Stone Countertops
12 36 53	Laboratory Countertops
12 36 61 12 36 61.13	Simulated Stone Countertops Cultured Marble Countertops
12 36 61.16	Solid Surfacing Countertops
12 36 61.19	Quartz Agglomerate Countertops
12 36 71	Paper-Composite Countertops Lurrichings and Acceptation
12 40 00	Furnishings and Accessories
12 41 00 12 41 13	Office Accessories Desk Accessories
12 42 00	Table Accessories
12 42 13	Ceramics
12 42 16	Flatware
12 42 16.13 12 42 19	Silverware Hollowware
12 42 19	Glassware
12 42 26	Table Linens
12 42 26.13	Napery
12 43 00 12 43 13	Portable Lamps Lamps
12 43 13.13	Desk Lamps
12 43 13.16	Table Lamps
12 43 13.19 12 44 00	Floor Lamps Bath Furnishings
12 44 00	Bath Linens
12 44 13.13	Bath Mats

12 44 13.16	Bath Towels
12 44 16	Shower Curtains
12 45 00	Bedroom Furnishings
12 45 13	Bed Linens
12 45 13	Blankets
12 45 13.16	Comforters
12 45 16	Pillows
12 46 00	Furnishing Accessories
12 46 13	Ash Receptacles
12 46 16	Bowls
12 46 19	Clocks
12 46 23	Decorative Crafts
12 46 26	Decorative Screens
12 46 29	Vases
12 46 33	Waste Receptacles
12 48 00	Rugs and Mats
12 48 13	Entrance Floor Mats and Frames
12 48 13.13	Entrance Floor Mats
12 48 13.16	Entrance Floor Mat Frames
12 48 16	Entrance Floor Grilles
12 48 19	Entrance Floor Gratings
12 48 23	Entrance Floor Grids
12 48 26	Entrance Tile
12 48 43	Floor Mats
12 48 43.13	Chair Mats
12 48 43.23 12 48 43.26	Anti-Fatigue Floor Mats
12 48 43.20	Fall-Cushioning Floor Mats Rugs
12 48 53.13	Runners
12 48 53.16	Oriental Rugs
12 50 00	Furniture
12 51 00	Office Furniture
12 51 00	Case Goods
12 51 16	Metal Case Goods
12 51 16.16	Wood Case Goods
12 51 16.19	Plastic-Laminate-Clad Case Goods
12 51 19	Filing Cabinets
12 51 19.13	Lateral Filing Cabinets
12 51 19.16	Vertical Filing Cabinets
12 51 23 12 51 83	Office Tables Custom Office Furniture
12 52 00	Seating
12 52 13	Chairs
12 52 19	Upholstered Seating
12 52 23 12 52 70	Office Seating Healthcare Seating
12 52 70	Custom Seating
12 53 00	Retail Furniture
	Custom Retail Furniture
12 53 83	
12 54 00	Hospitality Furniture

12 54 13 12 54 16 12 54 83 12 55 00	Hotel and Motel Furniture Restaurant Furniture Custom Hospitality Furniture Detention Furniture
12 55 00	Determion Furniture Determion Bunks
12 55 16	Detention Desks
12 55 19	Detention Stools
12 55 23	Detention Tables
12 55 26	Detention Safety Clothes Hooks
12 55 83	Custom Detention Furniture
12 55 86	Detention Control Room Furniture
12 56 00	Institutional Furniture
12 56 23	Religious Furniture
12 56 33 12 56 33.13	Classroom Furniture Fixed Classroom Tables
12 56 33.13	Classroom Computer Furniture
12 56 39	Lecterns
12 56 43	Dormitory Furniture
12 56 51	Library Furniture
12 56 51.13	Book Shelves
12 56 51.16 12 56 51.19	Study Carrels Index Card File Cabinets
12 56 52	Audio-Visual Furniture
12 56 53	Laboratory Furniture
12 56 70	Healthcare Furniture
12 56 83	Custom Institutional Furniture
12 56 86	Institutional Control Room Furniture
12 57 00	Industrial Furniture
12 57 13	Welding Benches
12 57 16	Welding Screens
12 57 19	Laser Containment Screens
12 57 83	Custom Industrial Furniture Industrial Control Room Furniture
12 57 86	mousinal Connol Room Fumiliale
40 E0 00	
12 58 00	Residential Furniture
12 58 13	Residential Furniture Couches and Loveseats
12 58 13 12 58 13.13	Residential Furniture Couches and Loveseats Futons
12 58 13	Residential Furniture Couches and Loveseats
12 58 13 12 58 13.13 12 58 16	Residential Furniture Couches and Loveseats Futons Residential Chairs
12 58 13 12 58 13.13 12 58 16 12 58 16.13 12 58 19 12 58 23	Residential Furniture Couches and Loveseats Futons Residential Chairs Reclining Chairs Dining Tables and Chairs Coffee Tables
12 58 13 12 58 13.13 12 58 16 12 58 16.13 12 58 19 12 58 23 12 58 26	Residential Furniture Couches and Loveseats Futons Residential Chairs Reclining Chairs Dining Tables and Chairs Coffee Tables Entertainment Centers
12 58 13 12 58 13.13 12 58 16 12 58 16.13 12 58 19 12 58 23 12 58 26 12 58 29	Residential Furniture Couches and Loveseats Futons Residential Chairs Reclining Chairs Dining Tables and Chairs Coffee Tables Entertainment Centers Beds
12 58 13 12 58 13.13 12 58 16 12 58 16.13 12 58 19 12 58 23 12 58 26 12 58 29 12 58 29.13	Residential Furniture Couches and Loveseats Futons Residential Chairs Reclining Chairs Dining Tables and Chairs Coffee Tables Entertainment Centers Beds Daybeds
12 58 13 12 58 13.13 12 58 16 12 58 16.13 12 58 19 12 58 23 12 58 26 12 58 29 12 58 29.13 12 58 33	Residential Furniture Couches and Loveseats Futons Residential Chairs Reclining Chairs Dining Tables and Chairs Coffee Tables Entertainment Centers Beds
12 58 13 12 58 13.13 12 58 16 12 58 16.13 12 58 19 12 58 23 12 58 26 12 58 29 12 58 29.13	Residential Furniture Couches and Loveseats Futons Residential Chairs Reclining Chairs Dining Tables and Chairs Coffee Tables Entertainment Centers Beds Daybeds Dressers Armoires
12 58 13 12 58 13.13 12 58 16 12 58 16.13 12 58 19 12 58 23 12 58 26 12 58 29 12 58 29.13 12 58 33 12 58 33.13	Residential Furniture Couches and Loveseats Futons Residential Chairs Reclining Chairs Dining Tables and Chairs Coffee Tables Entertainment Centers Beds Daybeds Dressers
12 58 13 12 58 13.13 12 58 16 12 58 16.13 12 58 19 12 58 23 12 58 26 12 58 29 12 58 29.13 12 58 33 12 58 33.13 12 58 36	Residential Furniture Couches and Loveseats Futons Residential Chairs Reclining Chairs Dining Tables and Chairs Coffee Tables Entertainment Centers Beds Daybeds Dressers Armoires Nightstands Custom Residential Furniture
12 58 13 12 58 13.13 12 58 16 12 58 16.13 12 58 19 12 58 23 12 58 26 12 58 29 12 58 29.13 12 58 33 12 58 33.13 12 58 36 12 58 83	Residential Furniture Couches and Loveseats Futons Residential Chairs Reclining Chairs Dining Tables and Chairs Coffee Tables Entertainment Centers Beds Daybeds Dressers Armoires Nightstands
12 58 13 12 58 13.13 12 58 16 12 58 16.13 12 58 19 12 58 23 12 58 26 12 58 29 12 58 29.13 12 58 33 12 58 33.13 12 58 36 12 58 83 12 58 83	Residential Furniture Couches and Loveseats Futons Residential Chairs Reclining Chairs Dining Tables and Chairs Coffee Tables Entertainment Centers Beds Daybeds Dressers Armoires Nightstands Custom Residential Furniture Systems Furniture

12 59 19 12 59 23	Beam System Furniture Desk System Furniture
12 59 83	Custom Systems Furniture
12 60 00	Multiple Seating
12 61 00	Fixed Audience Seating
12 61 13 12 61 16	Upholstered Audience Seating Molded-Plastic Audience Seating
12 62 00	Portable Audience Seating
12 62 13	Folding Chairs
12 62 16 12 62 19	Interlocking Chairs
12 62 19	Stacking Chairs Portable Bleachers
12 63 00	Stadium and Arena Seating
12 63 13	Stadium and Arena Bench Seating
12 63 23	Stadium and Arena Seats
12 64 00	Booths and Tables
12 65 00	Multiple-Use Fixed Seating
12 66 00	Telescoping Stands
12 66 13	Telescoping Bleachers
12 66 23	Telescoping Chair Platforms
12 67 00	Pews and Benches
12 67 13 12 67 23	Pews Benches
12 68 00	Seat and Table Assemblies
12 68 13	Pedestal Tablet Arm Chairs
12 90 00	Other Furnishings
12 92 00	Interior Planters and Artificial Plants
12 92 13	Interior Artificial Plants
12 92 33 12 92 43	Interior Planters
12 93 00	Interior Landscaping Accessories Interior Public Space Furnishings
12 93 13	Bicycle Racks
12 93 14	Bicycle Lockers
12 93 23	Trash and Litter Receptacles
13 00 00	Special Construction
13 01 00	Operation and Maintenance of Special Construction
13 01 10	Operation and Maintenance of Special Facility Components
13 01 11 13 01 12	Operation and Maintenance of Swimming Pools Operation and Maintenance of Fountains
13 01 13	Operation and Maintenance of Aquariums
13 01 14	Operation and Maintenance of Amusement Park Structures and
40.04.40	Equipment
13 01 18 13 01 20	Operation and Maintenance of Ice Rinks Operation and Maintenance of Special Purpose Rooms
13 01 20	Operation and Maintenance of Controlled Environment Rooms
13 01 23	Operation and Maintenance of Planetariums

13 01 30	Operation and Maintenance of Special Structures
13 01 40	Operation and Maintenance of Integrated Construction
13 01 49	Operation and Maintenance of Radiation Protection
13 01 50	Operation and Maintenance of Special Instrumentation
13 01 51	Operation and Maintenance of Stress Instrumentation
13 01 52	Operation and Maintenance of Seismic Instrumentation
13 01 53	Operation and Maintenance of Meteorological Instrumentation
13 05 00	Common Work Results for Special Construction
13 05 05	Selective Demolition for Special Construction
13 06 00	Schedules for Special Construction
13 06 10	Schedules for Special Facility Components
13 06 20	Schedules for Special Purpose Rooms
13 06 20	Schedules for Special Structures
13 06 40	Schedules for Integrated Construction
13 06 50	Schedules for Special Instrumentation
13 08 00	•
	Commissioning of Special Construction
13 08 10	Commissioning of Special Facility Components
13 08 11	Commissioning of Swimming Pools
13 08 12	Commissioning of Agustiums
13 08 13	Commissioning of Aguariums
13 08 14 13 08 18	Commissioning of Amusement Park Structures and Equipment Commissioning of Ice Rinks
13 08 20	Commissioning of Ice Kinks Commissioning of Special Purpose Rooms
13 08 20	Commissioning of Special Fulpose Rooms Commissioning of Controlled Environment Rooms
13 08 21	Commissioning of Controlled Environment Rooms Commissioning of Planetariums
13 08 30	Commissioning of Special Structures
13 08 40	Commissioning of Integrated Construction
13 08 50	Commissioning of Special Instrumentation
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13 10 00	Special Facility Components
13 11 00	Swimming Pools
13 11 13	Below-Grade Swimming Pools
13 11 23	On-Grade Swimming Pools
13 11 33	Elevated Swimming Pools
13 11 43	Recirculating Gutter Systems
13 11 46	Swimming Pool Accessories
13 11 49	Swimming Pool Cleaning Equipment
13 11 53	Movable Pool Bulkheads
13 11 56	Movable Pool Floors
13 12 00	Fountains
13 12 13	Exterior Fountains
13 12 23	Interior Fountains
13 13 00	Aquariums
13 14 00	Amusement Park Structures and Equipment
13 14 13	Water Slides
13 14 15	Wave Generating Equipment
13 14 10	Amusement Park Rides
13 15 00	
	Specialty Element Construction
13 17 00	Tubs and Pools

13 17 13	Hot Tubs
13 17 23	Therapeutic Pools
13 17 33	Whirlpool Tubs
13 18 00	Ice Rinks
13 18 13	Ice Rink Floor Systems
13 18 16	Ice Rink Dasher Boards
13 19 00	Kennels and Animal Shelters
13 19 13	Kennel Enclosures and Gates
13 19 16	Kennel Feeding Devices
13 19 19	Animal Washing Tubs
13 20 00	Special Purpose Rooms
13 21 00	Controlled Environment Rooms
13 21 13	Clean Rooms
13 21 16	Hyperbaric Rooms
13 21 23	Insulated Rooms
13 21 26	Cold Storage Rooms
13 21 26.13	
13 21 26.16	Walk-in Freezers
13 21 29	Constant Temperature Rooms
13 21 48	Sound-Conditioned Rooms
13 22 00	Office Shelters and Booths
13 23 00	Planetariums
13 24 00	Special Activity Rooms
13 24 16	Saunas
13 24 26	Steam Baths
13 24 66	Athletic Rooms
13 26 00	Fabricated Rooms
13 26 13	Storm Shelter Rooms
13 27 00	Vaults
13 27 16	Modular Fire Vaults
13 27 53	Security Vaults
13 27 53.13	
13 27 53.16	Modular Metal-Clad Laminated Security Vaults
13 28 00	Athletic and Recreational Special Construction
13 28 13	Indoor Soccer Boards
13 28 16	Safety Netting
13 28 19	Arena Football Boards
13 28 26	Floor Sockets
13 28 33 13 28 66	Athletic and Recreational Court Walls Demountable Athletic Surfaces
13 30 00	Special Structures
13 31 00	Fabric Structures
13 31 13	Air-Supported Fabric Structures
13 31 13.13	Single-Walled Air-Supported Structures
13 31 13.16	Multiple-Walled Air-Supported Structures
13 31 23	Tensioned Fabric Structures
13 31 33	Framed Fabric Structures

13 32 00	Space Frames
13 32 13	Metal Space Frames
13 32 23	Wood Space Frames
13 33 00	Geodesic Structures
13 33 13	Geodesic Domes
13 34 00	Fabricated Engineered Structures
13 34 13	Glazed Structures
13 34 13.13	
13 34 13.16 13 34 13.19	Solariums
13 34 13.19	Swimming Pool Enclosures Sunrooms
13 34 13.26	Conservatories
13 34 16	Grandstands and Bleachers
13 34 16.13	Grandstands
13 34 16.53 13 34 18	Bleachers Post Frame Building Systems
13 34 19	Post Frame Building Systems Metal Building Systems
13 34 23	Fabricated Structures
13 34 23.13	Portable and Mobile Buildings
13 34 23.14	Fabricated Classroom Buildings
13 34 23.16	Fabricated Control Booths
13 34 23.19 13 34 23.23	Fabricated Dome Structures Fabricated Substation Control Rooms
13 34 56	Observatories
13 35 00	Rammed Earth Construction
13 35 13	Rammed Earth Walls
13 35 13.13	Traditional Rammed Earth Walls
13 35 13.23	Stabilized Insulated Rammed Earth Walls
13 36 00	Towers
13 36 13	Metal Towers
13 36 13.13	Steel Towers
13 36 23	Wood Towers
13 40 00	Integrated Construction
13 42 00	Building Modules
13 42 13	Bathroom Unit Modules
13 42 25	Hospitality Unit Modules
13 42 33	Apartment Unit Modules
13 42 43 13 42 46	Dormitory Unit Modules Education Unit Modules
13 42 63	Detention Cell Modules
13 42 63.13	Precast-Concrete Detention Cell Modules
13 42 63.16	Steel Detention Cell Modules
13 44 00	Modular Mezzanines
13 47 00	Facility Protection
13 47 13	Cathodic Protection
13 47 13.13	Cathodic Protection for Underground and Submerged Piping
13 47 13.16 13 47 13.19	Cathodic Protection for Underground Storage Tanks
13 48 00	Cathodic Protection for Concrete Reinforcing
13 40 00	Sound, Vibration, and Seismic Control

13 48 13 13 48 23 13 48 53	Manufactured Sound and Vibration Control Components Fabricated Sound and Vibration Control Assemblies Manufactured Seismic Control Components
13 48 63	Fabricated Seismic Control Assemblies
13 49 00	Radiation Protection
13 49 13	Integrated X-Ray Shielding Assemblies
13 49 16	Modular X-Ray Shielding Rooms
13 49 23	Integrated RFI/EMI Shielding Assemblies
13 49 26	Modular RFI/EMI Shielding Rooms
13 50 00	Special Instrumentation
13 51 00	Stress Instrumentation
13 52 00	Seismic Instrumentation
13 53 00	Meteorological Instrumentation
13 53 13	Solar Instrumentation
13 53 23	Wind Instrumentation
14 00 00	Conveying Equipment
14 01 00	Operation and Maintenance of Conveying Equipment
14 01 10 14 01 10.71	Operation and Maintenance of Dumbwaiters Dumbwaiter Rehabilitation
14 01 10.71	Operation and Maintenance of Elevators
14 01 20.71	Elevator Rehabilitation
14 01 30	Operation and Maintenance of Escalators and Moving Walks
14 01 30.71	Escalators and Moving Walks Rehabilitation
14 01 40	Operation and Maintenance of Lifts
14 01 40.71	Lift Rehabilitation
14 01 70	Operation and Maintenance of Turntables
14 01 80	Operation and Maintenance of Scaffolding
14 01 90	Operation and Maintenance of Other Conveying Equipment
14 05 00	Common Work Results for Conveying Equipment
14 05 05	Selective Demolition for Conveying Equipment
14 06 00	Schedules for Conveying Equipment
14 06 10	Schedules for Dumbwaiters
14 06 20	Schedules for Elevators
14 06 20.13	Elevator Equipment Schedule
14 06 30	Schedules for Escalators and Moving Walks
14 06 40	Schedules for Lifts
14 06 40.13 14 06 70	Lift Schedule Schedules for Turntables
14 06 80	Schedules for Scaffolding
14 06 90	Schedules for Other Conveying Equipment
14 08 00	Commissioning of Conveying Equipment
14 08 10	Commissioning of Dumbwaiters
14 08 10	Commissioning of Elevators
14 08 30	Commissioning of Escalators and Moving Walks
14 08 40	Commissioning of Lifts
14 08 70	Commissioning of Turntables
14 08 80	Commissioning of Scaffolding

14 10 00	Dumbwaiters
14 11 00	Manual Dumbwaiters
14 12 00	Electric Dumbwaiters
14 14 00	Hydraulic Dumbwaiters
14 20 00	Elevators
14 21 00	Electric Traction Elevators
14 21 13	Electric Traction Freight Elevators
14 21 23	Electric Traction Passenger Elevators
14 21 23.13	Machine Room Electric Traction Passenger Elevators
14 21 23.16 14 21 33	Machine Room-Less Electric Traction Passenger Elevators Electric Traction Residential Elevators
14 21 43	Electric Traction Service Elevators
14 24 00	Hydraulic Elevators
14 24 13	Hydraulic Freight Elevators
14 24 23	Hydraulic Passenger Elevators
14 24 33	Hydraulic Residential Elevators
14 24 43	Hydraulic Service Elevators
14 26 00	Limited-Use/Limited-Application Elevators
14 27 00 14 27 13	Custom Elevator Cabs and Doors Custom Elevator Cab Finishes
14 27 16	Custom Elevator Doors
14 28 00	Elevator Equipment and Controls
14 28 16	Elevator Controls
14 28 19	Elevator Equipment
14 28 19.13 14 28 19.16	Elevator Safety Equipment
	Elevator Hoistway Equipment
14 30 00 14 31 00	Escalators and Moving Walks Escalators
14 31 00	
14 33 00	Moving Bampa
14 33 00	Moving Ramps Motorized Ramps
14 33 16	Powered Ramps
14 40 00	Lifts
14 41 00	People Lifts
14 41 13	Counterbalanced People Lifts
14 41 16	Endless-Belt People Lifts
14 41 19	Stairway Chairlifts
14 42 00	Wheelchair Lifts
14 42 13 14 42 16	Inclined Wheelchair Lifts Vertical Wheelchair Lifts
14 43 00	Platform Lifts
14 43 13	Orchestra Lifts
14 43 16	Stage Lifts
14 44 00	Sidewalk Lifts

14 45 00	Vehicle Lifts
14 45 13	Vehicle Service Lifts
14 45 23	Vehicle Parking Lifts
14 46 00	Material Lifts
14 70 00	Turntables
14 71 00	Industrial Turntables
14 71 11	Vehicle Turntables
14 72 00	Hospitality Turntables
14 72 25	Restaurant Turntables
14 73 00	Exhibit Turntables
14 73 59	Display Turntables
14 74 00	Entertainment Turntables
14 74 61	Stage Turntables
14 80 00	Scaffolding
14 81 00	Suspended Scaffolding
14 81 13	Beam Scaffolding
14 81 16 14 81 19	Carriage Scaffolding Hook Scaffolding
14 82 00	Rope Climbers
14 82 13	Manual Rope Climbers
14 82 16	Powered Rope Climbers
14 83 00	Elevating Platforms
14 83 13	Telescoping Platform Lifts
14 83 13.13 14 83 13.16	Electric and Battery Telescoping Platform Lifts
14 83 16	Pneumatic Telescoping Platform Lifts Scissor Lift Platforms
14 83 19	Multi-Axis Platform Lifts
14 84 00	Powered Scaffolding
14 84 13	Window Washing Scaffolding
14 84 23	Window Washing Hoists
14 90 00	Other Conveying Equipment
14 91 00	Facility Chutes
14 91 13	Coal Chutes
14 91 23	Escape Chutes
14 91 33 14 91 82	Laundry and Linen Chutes Trash Chutes
14 92 00	Pneumatic Tube Systems
14 93 00	Slide Pole Systems
14 93 13	Firehouse Slide Poles
21 00 00	Fire Suppression
21 01 00	Operation and Maintenance of Fire Suppression
21 01 00	Operation and Maintenance of Water-Based Fire-Suppression Systems
21 01 10	Operation and Maintenance of Water-Based Fire-Europhiession Systems
21 01 30	Operation and Maintenance of Fire-Suppression Equipment

21 05 00 Common Work Results for Fire Suppression	
21 05 05 Selective Demolition for Fire Suppression	
21 05 13 Common Motor Requirements for Fire-Suppression Equipment	
21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping	
21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping	
21 05 19 Meters and Gages for Fire-Suppression Systems	
21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping	
21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipmen	t
21 05 33 Heat Tracing for Fire-Suppression Piping	
21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and E	quipment
21 05 48.13 Vibration Controls for Fire-Suppresion Piping and Equipment 21 05 53 Identification for Fire-Suppression Piping and Equipment	
21 06 00 Schedules for Fire Suppression	
21 06 10 Schedules for Water-Based Fire-Suppression Systems 21 06 20 Schedules for Fire-Extinguishing Systems	
21 06 20 Schedules for Fire-Extinguishing Systems 21 06 30 Schedules for Fire-Suppression Equipment	
21 07 16 Fire-Suppression Equipment Insulation 21 07 19 Fire-Suppression Piping Insulation	
11 1 5	
21 08 00 Commissioning of Fire Suppression	
21 09 00 Instrumentation and Control for Fire-Suppression	'n
Systems	
21 10 00 Water-Based Fire-Suppression System	ทร
21 11 00 Facility Fire-Suppression Water-Service Piping	
21 11 16 Facility Fire Hydrants	
21 11 19 Fire-Department Connections	
21 12 00 Fire-Suppression Standpipes	
21 12 13 Fire-Suppression Hoses and Nozzles	
21 12 16 Fire-Suppression Hose Reels	
21 12 19 Fire-Suppression Hose Racks	
21 12 23 Fire-Suppression Hose Valves	
21 13 00 Fire-Suppression Sprinkler Systems	
21 13 13 Wet-Pipe Sprinkler Systems	
21 13 16 Dry-Pipe Sprinkler Systems	
21 13 19 Preaction Sprinkler Systems	
21 13 23 Combined Dry-Pipe and Preaction Sprinkler Systems	
21 13 26 Deluge Fire-Suppression Sprinkler Systems	
21 13 29 Water Spray Fixed Systems 21 13 36 Antifreeze Sprinkler Systems	
21 13 36 Antifreeze Sprinkler Systems 21 13 39 Foam-Water Systems	
21 16 00 Fire-Suppression Pressure Maintenance Pumps	
21 20 00 Fire-Extinguishing Systems	
21 21 00 Carbon-Dioxide Fire-Extinguishing Systems	
21 21 13 Carbon-Dioxide Fire-Extinguishing Piping	

21 22 00	Clean-Agent Fire-Extinguishing Systems
21 22 13	Clean-Agent Fire-Extinguishing Piping
21 22 16	Clean-Agent Fire-Extinguishing Equipment
21 23 00	Wet-Chemical Fire-Extinguishing Systems
21 23 13	Wet-Chemical Fire-Extinguishing Piping
21 23 16	Wet-Chemical Fire-Extinguishing Equipment
21 24 00	Dry-Chemical Fire-Extinguishing Systems
21 24 13	Dry-Chemical Fire-Extinguishing Piping
21 24 16	Dry-Chemical Fire-Extinguishing Equipment
21 30 00	Fire Pumps
21 31 00	Centrifugal Fire Pumps
21 31 13	Electric-Drive, Centrifugal Fire Pumps
21 31 16	Diesel-Drive, Centrifugal Fire Pumps
21 32 00	Vertical-Turbine Fire Pumps
21 32 00	Electric-Drive, Vertical-Turbine Fire Pumps
21 32 13	Diesel-Drive, Vertical-Turbine Fire Pumps
21 33 00	Positive-Displacement Fire Pumps
21 33 13	Electric-Drive, Positive-Displacement Fire Pumps
21 33 16	Diesel-Drive, Positive-Displacement Fire Pumps
21 34 00	Fire Pump Accessories
21 34 13	Pressure Maintenance Pumps
21 40 00	Fire-Suppression Water Storage
21 41 00	Storage Tanks for Fire-Suppression Water
21 41 13	Pressurized Storage Tanks for Fire-Suppression Water
21 41 13 21 41 16	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water
21 41 13 21 41 16 21 41 19	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water
21 41 13 21 41 16 21 41 19 21 41 23	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water
21 41 13 21 41 16 21 41 19 21 41 23 21 41 26	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water Underground Storage Tanks for Fire-Suppression Water
21 41 13 21 41 16 21 41 19 21 41 23 21 41 26 21 41 29	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water Underground Storage Tanks for Fire-Suppression Water Storage Tanks for Fire-Suppression Water Additives
21 41 13 21 41 16 21 41 19 21 41 23 21 41 26 21 41 29 22 00 00	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water Underground Storage Tanks for Fire-Suppression Water
21 41 13 21 41 16 21 41 19 21 41 23 21 41 26 21 41 29	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water Underground Storage Tanks for Fire-Suppression Water Storage Tanks for Fire-Suppression Water Additives
21 41 13 21 41 16 21 41 19 21 41 23 21 41 26 21 41 29 22 00 00 22 01 00 22 01 10	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water Underground Storage Tanks for Fire-Suppression Water Storage Tanks for Fire-Suppression Water Additives Plumbing Operation and Maintenance of Plumbing Operation and Maintenance of Plumbing Piping and Pumps
21 41 13 21 41 16 21 41 19 21 41 23 21 41 26 21 41 29 22 00 00 22 01 00 22 01 10 22 01 10.16	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water Underground Storage Tanks for Fire-Suppression Water Storage Tanks for Fire-Suppression Water Additives Plumbing Operation and Maintenance of Plumbing Operation and Maintenance of Plumbing Piping and Pumps Video Piping Inspections
21 41 13 21 41 16 21 41 19 21 41 23 21 41 26 21 41 29 22 00 00 22 01 00 22 01 10 22 01 10.16 22 01 10.51	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water Underground Storage Tanks for Fire-Suppression Water Storage Tanks for Fire-Suppression Water Additives Plumbing Operation and Maintenance of Plumbing Operation and Maintenance of Plumbing Piping Inspections Plumbing Piping Cleaning
21 41 13 21 41 16 21 41 19 21 41 23 21 41 26 21 41 29 22 00 00 22 01 00 22 01 10 22 01 10.16 22 01 10.51 22 01 10.61	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water Underground Storage Tanks for Fire-Suppression Water Storage Tanks for Fire-Suppression Water Additives Plumbing Operation and Maintenance of Plumbing Operation and Maintenance of Plumbing Piping Inspections Plumbing Piping Cleaning Plumbing Piping Repairs
21 41 13 21 41 16 21 41 19 21 41 23 21 41 26 21 41 29 22 00 00 22 01 00 22 01 10 22 01 10.16 22 01 10.51	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water Underground Storage Tanks for Fire-Suppression Water Storage Tanks for Fire-Suppression Water Additives Plumbing Operation and Maintenance of Plumbing Operation and Maintenance of Plumbing Piping Inspections Plumbing Piping Cleaning
21 41 13 21 41 16 21 41 19 21 41 23 21 41 26 21 41 29 22 00 00 22 01 00 22 01 10 22 01 10.16 22 01 10.61 22 01 10.62 22 01 30 22 01 40	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water Underground Storage Tanks for Fire-Suppression Water Storage Tanks for Fire-Suppression Water Additives Plumbing Operation and Maintenance of Plumbing Operation and Maintenance of Plumbing Piping Inspections Plumbing Piping Cleaning Plumbing Piping Repairs Plumbing Piping Relining
21 41 13 21 41 16 21 41 19 21 41 23 21 41 26 21 41 29 22 00 00 22 01 00 22 01 10 22 01 10.16 22 01 10.51 22 01 10.61 22 01 30 22 01 40 22 01 50	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water Underground Storage Tanks for Fire-Suppression Water Storage Tanks for Fire-Suppression Water Additives Plumbing Operation and Maintenance of Plumbing Operation and Maintenance of Plumbing Piping and Pumps Video Piping Inspections Plumbing Piping Cleaning Plumbing Piping Repairs Plumbing Piping Relining Operation and Maintenance of Plumbing Equipment Operation and Maintenance of Plumbing Fixtures Operation and Maintenance of Pool and Fountain Plumbing Systems
21 41 13 21 41 16 21 41 19 21 41 23 21 41 26 21 41 29 22 00 00 22 01 00 22 01 10 22 01 10.16 22 01 10.61 22 01 10.61 22 01 30 22 01 40 22 01 50 22 01 60	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water Underground Storage Tanks for Fire-Suppression Water Storage Tanks for Fire-Suppression Water Additives Plumbing Operation and Maintenance of Plumbing Operation and Maintenance of Plumbing Piping and Pumps Video Piping Inspections Plumbing Piping Cleaning Plumbing Piping Repairs Plumbing Piping Relining Operation and Maintenance of Plumbing Equipment Operation and Maintenance of Plumbing Fixtures Operation and Maintenance of Pool and Fountain Plumbing Systems Operation and Maintenance of Laboratory and Healthcare Systems
21 41 13 21 41 16 21 41 19 21 41 23 21 41 26 21 41 29 22 00 00 22 01 00 22 01 10 22 01 10.16 22 01 10.61 22 01 10.62 22 01 30 22 01 40 22 01 50 22 01 60 22 05 00	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water Underground Storage Tanks for Fire-Suppression Water Storage Tanks for Fire-Suppression Water Additives Plumbing Operation and Maintenance of Plumbing Operation and Maintenance of Plumbing Piping and Pumps Video Piping Inspections Plumbing Piping Cleaning Plumbing Piping Repairs Plumbing Piping Relining Operation and Maintenance of Plumbing Equipment Operation and Maintenance of Plumbing Fixtures Operation and Maintenance of Pool and Fountain Plumbing Systems Operation and Maintenance of Laboratory and Healthcare Systems Common Work Results for Plumbing
21 41 13 21 41 16 21 41 19 21 41 23 21 41 26 21 41 29 22 00 00 22 01 00 22 01 10 22 01 10.51 22 01 10.61 22 01 10.62 22 01 30 22 01 40 22 01 50 22 01 60 22 05 00	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water Underground Storage Tanks for Fire-Suppression Water Storage Tanks for Fire-Suppression Water Additives Plumbing Operation and Maintenance of Plumbing Operation and Maintenance of Plumbing Piping and Pumps Video Piping Inspections Plumbing Piping Cleaning Plumbing Piping Repairs Plumbing Piping Relining Operation and Maintenance of Plumbing Equipment Operation and Maintenance of Plumbing Fixtures Operation and Maintenance of Pool and Fountain Plumbing Systems Operation and Maintenance of Laboratory and Healthcare Systems Common Work Results for Plumbing Selective Demolition for Plumbing
21 41 13 21 41 16 21 41 19 21 41 23 21 41 26 21 41 29 22 00 00 22 01 00 22 01 10 22 01 10.51 22 01 10.61 22 01 10.62 22 01 30 22 01 40 22 01 50 22 01 60 22 05 05 22 05 13	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water Underground Storage Tanks for Fire-Suppression Water Storage Tanks for Fire-Suppression Water Additives Plumbing Operation and Maintenance of Plumbing Operation and Maintenance of Plumbing Piping Inspections Plumbing Piping Cleaning Plumbing Piping Repairs Plumbing Piping Relining Operation and Maintenance of Plumbing Fixtures Operation and Maintenance of Pool and Fountain Plumbing Systems Operation and Maintenance of Laboratory and Healthcare Systems Common Work Results for Plumbing Selective Demolition for Plumbing Common Motor Requirements for Plumbing Equipment
21 41 13 21 41 16 21 41 19 21 41 23 21 41 26 21 41 29 22 00 00 22 01 00 22 01 10 22 01 10.16 22 01 10.51 22 01 10.61 22 01 10.62 22 01 30 22 01 40 22 01 50 22 01 60 22 05 05 22 05 13 22 05 16	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water Underground Storage Tanks for Fire-Suppression Water Storage Tanks for Fire-Suppression Water Additives Plumbing Operation and Maintenance of Plumbing Operation and Maintenance of Plumbing Piping Inspections Plumbing Piping Cleaning Plumbing Piping Repairs Plumbing Piping Repairs Plumbing Piping Relining Operation and Maintenance of Plumbing Equipment Operation and Maintenance of Plumbing Fixtures Operation and Maintenance of Pool and Fountain Plumbing Systems Operation and Maintenance of Laboratory and Healthcare Systems Common Work Results for Plumbing Selective Demolition for Plumbing Common Motor Requirements for Plumbing Equipment Expansion Fittings and Loops for Plumbing Piping
21 41 13 21 41 16 21 41 19 21 41 23 21 41 26 21 41 29 22 00 00 22 01 00 22 01 10 22 01 10.51 22 01 10.61 22 01 10.62 22 01 30 22 01 40 22 01 50 22 01 60 22 05 05 22 05 13	Pressurized Storage Tanks for Fire-Suppression Water Elevated Storage Tanks for Fire-Suppression Water Roof-Mounted Storage Tanks for Fire-Suppression Water Ground Suction Storage Tanks for Fire-Suppression Water Underground Storage Tanks for Fire-Suppression Water Storage Tanks for Fire-Suppression Water Additives Plumbing Operation and Maintenance of Plumbing Operation and Maintenance of Plumbing Piping Inspections Plumbing Piping Cleaning Plumbing Piping Repairs Plumbing Piping Relining Operation and Maintenance of Plumbing Fixtures Operation and Maintenance of Pool and Fountain Plumbing Systems Operation and Maintenance of Laboratory and Healthcare Systems Common Work Results for Plumbing Selective Demolition for Plumbing Common Motor Requirements for Plumbing Equipment

22 05 23 22 05 29 22 05 33 22 05 48 22 05 48.13 22 05 53 22 05 73 22 05 76	General-Duty Valves for Plumbing Piping Hangers and Supports for Plumbing Piping and Equipment Heat Tracing for Plumbing Piping Vibration and Seismic Controls for Plumbing Piping and Equipment Vibration Controls for Plumbing Piping and Equipment Identification for Plumbing Piping and Equipment Facility Drainage Manholes Facility Drainage Piping Cleanouts
22 06 00	Schedules for Plumbing
22 06 10 22 06 10.13 22 06 12 22 06 15 22 06 30 22 06 30.13 22 06 40 22 06 40.13	Schedules for Plumbing Piping and Pumps Plumbing Pump Schedule Schedules for Facility Potable Water Storage Schedules for General Service Compressed-Air Equipment Schedules for Plumbing Equipment Domestic Water Heater Schedule Schedules for Plumbing Fixtures Plumbing Fixture Schedule
22 06 50	Schedules for Pool and Fountain Plumbing Systems
22 06 60	Schedules for Laboratory and Healthcare Systems
22 07 00	Plumbing Insulation
22 07 16 22 07 19	Plumbing Equipment Insulation Plumbing Piping Insulation
22 08 00	Commissioning of Plumbing
22 09 00	Instrumentation and Control for Plumbing
22 09 63	Medical Gas Alarms
22 10 00	Plumbing Piping
22 11 00	• . •
22 11 13	Facility Water Distribution Facility Water Distribution Piping
22 11 16	Domestic Water Piping
22 11 17	Gray-Water Piping
22 11 19	Domestic Water Piping Specialties
22 11 23	Domestic Water Piping Specialties Domestic Water Pumps
22 11 23 22 11 23.13	Domestic Water Piping Specialties Domestic Water Pumps Domestic-Water Packaged Booster Pumps
22 11 23 22 11 23.13 22 11 23.23	Domestic Water Piping Specialties Domestic Water Pumps Domestic-Water Packaged Booster Pumps Domestic-Water In-Line Pumps
22 11 23 22 11 23.13 22 11 23.23 22 11 23.26 22 11 23.29	Domestic Water Piping Specialties Domestic Water Pumps Domestic-Water Packaged Booster Pumps
22 11 23 22 11 23.13 22 11 23.23 22 11 23.26 22 11 23.29 22 11 23.33	Domestic Water Piping Specialties Domestic Water Pumps Domestic-Water Packaged Booster Pumps Domestic-Water In-Line Pumps Close-Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Close-Coupled, Vertically Mounted, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, In-Line Centrifugal Domestic-Water Pumps
22 11 23 22 11 23.13 22 11 23.23 22 11 23.26 22 11 23.29	Domestic Water Piping Specialties Domestic Water Pumps Domestic-Water Packaged Booster Pumps Domestic-Water In-Line Pumps Close-Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Close-Coupled, Vertically Mounted, In-Line Centrifugal Domestic-Water Pumps
22 11 23 22 11 23.13 22 11 23.23 22 11 23.26 22 11 23.29 22 11 23.33 22 11 23.36	Domestic Water Piping Specialties Domestic Water Pumps Domestic-Water Packaged Booster Pumps Domestic-Water In-Line Pumps Close-Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Close-Coupled, Vertically Mounted, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Domestic-Water, Base-Mounted Pumps
22 11 23 22 11 23.13 22 11 23.23 22 11 23.26 22 11 23.29 22 11 23.33 22 11 23.36 22 11 23.43 22 11 63	Domestic Water Piping Specialties Domestic Water Pumps Domestic-Water Packaged Booster Pumps Domestic-Water In-Line Pumps Close-Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Close-Coupled, Vertically Mounted, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Domestic-Water, Base-Mounted Pumps Gray-Water Pumps
22 11 23 22 11 23.13 22 11 23.23 22 11 23.26 22 11 23.29 22 11 23.33 22 11 23.36 22 11 23.43 22 11 63 22 12 00	Domestic Water Piping Specialties Domestic Water Pumps Domestic-Water Packaged Booster Pumps Domestic-Water In-Line Pumps Close-Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Close-Coupled, Vertically Mounted, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Domestic-Water, Base-Mounted Pumps Gray-Water Pumps Facility Potable-Water Storage Tanks
22 11 23 22 11 23.13 22 11 23.23 22 11 23.26 22 11 23.29 22 11 23.33 22 11 23.36 22 11 23.43 22 11 63 22 12 13	Domestic Water Piping Specialties Domestic Water Pumps Domestic-Water Packaged Booster Pumps Domestic-Water In-Line Pumps Close-Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Close-Coupled, Vertically Mounted, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Domestic-Water, Base-Mounted Pumps Gray-Water Pumps Facility Potable-Water Storage Tanks Facility Roof-Mounted, Potable-Water Storage Tanks
22 11 23 22 11 23.13 22 11 23.23 22 11 23.26 22 11 23.29 22 11 23.33 22 11 23.43 22 11 63 22 12 10 22 12 13 22 12 16	Domestic Water Piping Specialties Domestic Water Pumps Domestic-Water Packaged Booster Pumps Domestic-Water In-Line Pumps Close-Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Close-Coupled, Vertically Mounted, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Domestic-Water, Base-Mounted Pumps Gray-Water Pumps Facility Potable-Water Storage Tanks Facility Roof-Mounted, Potable-Water Storage Tanks Facility Elevated, Potable-Water Storage Tanks
22 11 23 22 11 23.13 22 11 23.23 22 11 23.26 22 11 23.29 22 11 23.33 22 11 23.43 22 11 63 22 12 14 22 12 13 22 12 16 22 12 19	Domestic Water Piping Specialties Domestic Water Pumps Domestic-Water Packaged Booster Pumps Domestic-Water In-Line Pumps Close-Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Close-Coupled, Vertically Mounted, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Domestic-Water, Base-Mounted Pumps Gray-Water Pumps Facility Potable-Water Storage Tanks Facility Roof-Mounted, Potable-Water Storage Tanks Facility Ground-Mounted, Potable-Water Storage Tanks Facility Ground-Mounted, Potable-Water Storage Tanks
22 11 23 22 11 23.13 22 11 23.23 22 11 23.26 22 11 23.33 22 11 23.36 22 11 23.43 22 11 63 22 12 16 22 12 16 22 12 19 22 12 21	Domestic Water Piping Specialties Domestic Water Pumps Domestic-Water Packaged Booster Pumps Domestic-Water In-Line Pumps Close-Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Close-Coupled, Vertically Mounted, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Domestic-Water, Base-Mounted Pumps Gray-Water Pumps Facility Potable-Water Storage Tanks Facility Roof-Mounted, Potable-Water Storage Tanks Facility Ground-Mounted, Potable-Water Storage Tanks Facility Ground-Mounted, Potable-Water Storage Tanks Facility Underground Potable-Water Storage Tanks
22 11 23 22 11 23.13 22 11 23.23 22 11 23.26 22 11 23.29 22 11 23.33 22 11 23.43 22 11 63 22 12 14 22 12 13 22 12 16 22 12 19	Domestic Water Piping Specialties Domestic Water Pumps Domestic-Water Packaged Booster Pumps Domestic-Water In-Line Pumps Close-Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Close-Coupled, Vertically Mounted, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Domestic-Water, Base-Mounted Pumps Gray-Water Pumps Facility Potable-Water Storage Tanks Facility Roof-Mounted, Potable-Water Storage Tanks Facility Ground-Mounted, Potable-Water Storage Tanks
22 11 23 22 11 23.13 22 11 23.23 22 11 23.26 22 11 23.29 22 11 23.33 22 11 23.36 22 11 23.43 22 11 63 22 12 16 22 12 13 22 12 16 22 12 19 22 12 21 22 12 23	Domestic Water Piping Specialties Domestic Water Pumps Domestic-Water Packaged Booster Pumps Domestic-Water In-Line Pumps Close-Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Close-Coupled, Vertically Mounted, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, In-Line Centrifugal Domestic-Water Pumps Separately Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps Domestic-Water, Base-Mounted Pumps Gray-Water Pumps Facility Potable-Water Storage Tanks Facility Roof-Mounted, Potable-Water Storage Tanks Facility Ground-Mounted, Potable-Water Storage Tanks Facility Underground Potable-Water Storage Tanks Facility Underground Potable-Water Storage Tanks Facility Indoor Potable-Water Storage Tanks

22	22 12 23.26 13 00 22 13 13 22 13 16 22 13 19 22 13 19.13	Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks Facility Sanitary Sewerage Facility Sanitary Sewers Sanitary Waste and Vent Piping Sanitary Waste Piping Specialties Sanitary Drains
	22 13 19.23 22 13 19.26	Fats, Oils, and Grease Disposal Systems Grease Removal Devices
	22 13 19.33	Backwater Valves
	22 13 19.36	Air-Admittance Valves
	22 13 23 22 13 26	Sanitary Waste Interceptors Sanitary Waste Separators
	22 13 20	Sanitary Waste Separators Sanitary Sewerage Pumps
	22 13 29.13	Wet-Pit-Mounted, Vertical Sewerage Pumps
	22 13 29.16	Submersible Sewerage Pumps
	22 13 29.23	Sewerage Pump Reverse-Flow Assemblies
	22 13 29.33	Sewerage Pump Basins and Pits
	22 13 33 22 13 36	Packaged, Submersible Sewerage Pump Units Packaged, Wastewater Pump Units
	22 13 30	Facility Packaged Sewage Pumping Stations
	22 13 43.13	Facility Dry-Well Packaged Sewage Pumping Stations
	22 13 43.16	Facility Wet-Well Packaged Sewage Pumping Stations
	22 13 63	Facility Gray Water Tanks
22	14 00	Facility Storm Drainage
	22 14 13	Facility Storm Drainage Piping
	22 14 16	Rainwater Leaders
	22 14 19	Sump Pump Discharge Piping
	22 14 23 22 14 26	Storm Drainage Piping Specialties
	22 14 26.13	Facility Storm Drains Roof Drains
	22 14 26.16	Facility Area Drains
	22 14 26.19	Facility Trench Drains
	22 14 29	Sump Pumps
	22 14 29.13	Wet-Pit-Mounted, Vertical Sump Pumps Submersible Sump Pumps
	22 14 29.16 22 14 29.19	Sump-Pump Basins and Pits
	22 14 33	Packaged, Pedestal Drainage Pump Units
	22 14 36	Packaged, Submersible, Drainage Pump Units
	22 14 53	Rainwater Storage Tanks
	22 14 63	Facility Storm-Water Retention Tanks
22	15 00	General Service Compressed-Air Systems
	22 15 13	General Service Compressed-Air Piping
	22 15 16	General Service Compressed-Air Valves
	22 15 19 22 15 19.13	General Service Packaged Air Compressors and Receivers General Service Packaged Reciprocating Air Compressors
	22 15 19.16	General Service Packaged Liquid-Ring Air Compressors
	22 15 19.19	General Service Packaged Rotary-Screw Air Compressors
	22 15 19.23	General Service Packaged Sliding-Vane Air Compressors
22	30 00	Plumbing Equipment
	31 00	Domestic Water Softeners
	22 31 13	Residential Domestic Water Softeners

22 31 16 22 32 00 22 32 13 22 32 16 22 32 19 22 32 23 22 32 26 22 32 26.13 22 32 26.16 22 32 26.19	Commercial Domestic Water Softeners Domestic Water Filtration Equipment Domestic-Water Bag-Type Filters Domestic-Water Freestanding Cartridge Filters Domestic-Water Off-Floor Cartridge Filters Domestic-Water Carbon Filters Domestic-Water Sand Filters Domestic-Water Circulating Sand Filters Domestic-Water Multimedia Sand Filters Domestic-Water Greensand Filters
22 33 00	Electric Domestic Water Heaters
22 33 13 22 33 13.13 22 33 13.16 22 33 30 22 33 30.13 22 33 30.16 22 33 30.23 22 33 30.26	Instantaneous Electric Domestic Water Heaters Flow-Control, Instantaneous Electric Domestic Water Heaters Thermostat-Control, Instantaneous Electric Domestic Water Heaters Residential, Electric Domestic Water Heaters Residential, Small-Capacity Electric Domestic Water Heaters Residential, Storage Electric Domestic Water Heaters Residential, Collector-to-Tank, Solar-Electric Domestic Water Heaters Residential, Collector-to-Tank, Heat-Exchanger-Coil, Solar-Electric Domestic Water Heaters
22 33 33 22 33 36 22 33 36.13 22 33 36.16	Light-Commercial Electric Domestic Water Heaters Commercial Domestic Water Electric Booster Heaters Commercial Domestic Water Electric Booster Heaters Commercial Storage Electric Domestic Water Heaters
22 34 00	Fuel-Fired Domestic Water Heaters
22 34 13	
22 34 30 22 34 30.13 22 34 30.16 22 34 36.19 22 34 36.13 22 34 36.16 22 34 36.19 22 34 36.23 22 34 36.23 22 34 36.26 22 34 36.29 22 34 46.13 22 34 56	Instantaneous, Tankless, Gas Domestic Water Heaters Residential Gas Domestic Water Heaters Residential, Atmospheric, Gas Domestic Water Heaters Residential, Direct-Vent, Gas Domestic Water Heaters Residential, Power-Vent, Gas Domestic Water Heaters Commercial Gas Domestic Water Heaters Commercial, Atmospheric, Gas Domestic Water Heaters Commercial, Power-Burner, Gas Domestic Water Heaters Commercial, Power-Vent, Gas Domestic Water Heaters Commercial, High-Efficiency, Gas Domestic Water Heaters Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters Commercial, Grid-Type, Finned-Tube, Gas Domestic Water Heaters Oil-Fired Domestic Water Heaters Large-Capacity, Oil-Fired Domestic Water Heaters Dual-Fuel-Fired Domestic Water Heaters
22 35 00	Domestic Water Heat Exchangers
22 35 13 22 35 13.13 22 35 13.16 22 35 13.19 22 35 23 22 35 23.13 22 35 23.16 22 35 29 22 35 29.13 22 35 29.16 22 35 36	Instantaneous Domestic Water Heat Exchangers Heating-Fluid-in-Coil, Instantaneous Domestic Water Heat Exchangers Domestic-Water-in-Coil, Instantaneous Domestic Water Heat Exchangers Heating-Fluid-in-U-Tube-Coil, Instantaneous Domestic Water Heat Exchangers Circulating, Domestic Water Heat Exchangers Circulating, Compact Domestic Water Heat Exchangers Circulating, Storage Domestic Water Heat Exchangers Noncirculating, Domestic Water Heat Exchangers Noncirculating, Compact Domestic Water Heat Exchangers Noncirculating, Storage Domestic Water Heat Exchangers Domestic Water Brazed-Plate Heat Exchangers

22 35 39	Domestic Water Frame-and-Plate Heat Exchangers
22 35 43	Domestic Water Heat Reclaimers
22 36 00	Domestic Water Preheaters
22 36 13	Solar Domestic Water Preheaters
22 36 23	Geothermal Domestic Water Preheaters
22 40 00	Plumbing Fixtures
22 41 00	Residential Plumbing Fixtures
22 41 13	Residential Water Closets, Urinals, and Bidets
22 41 13.13	Residential Water Closets
22 41 13.16	Residential Urinals
22 41 13.19	
22 41 16	Residential Lavatories and Sinks
22 41 16.13	
22 41 16.16	
22 41 19	Residential Bathtubs
22 41 23	Residential Showers
22 41 26	Residential Disposers
22 41 36	Residential Laundry Trays
22 41 39	Residential Faucets, Supplies, and Trim
22 42 00	Commercial Plumbing Fixtures
22 42 13	Commercial Water Closets, Urinals, and Bidets
22 42 13.13 22 42 13.16	Commercial Water Closets Commercial Urinals
22 42 13.10	Commercial Lavatories and Sinks
22 42 16.13	Commercial Lavatories
22 42 16.16	Commercial Sinks
22 42 19	Commercial Bathtubs
22 42 23	Commercial Showers
22 42 26	Commercial Disposers
22 42 29	Shampoo Bowls
22 42 33	Wash Fountains
22 42 36	Commercial Laundry Trays
22 42 39	Commercial Faucets, Supplies, and Trim
22 42 43	Flushometers
22 43 00	Healthcare Plumbing Fixtures
22 43 13	Healthcare Water Closets
22 43 16	Healthcare Sinks
22 43 19	Healthcare Bathtubs
22 43 23	Healthcare Showers
22 43 39	Healthcare Faucets
22 43 43	Healthcare Plumbing Fixture Flushometers
22 45 00	Emergency Plumbing Fixtures
22 45 13	Emergency Showers
22 45 16	Eyewash Equipment
22 45 19	Self-Contained Eyewash Equipment
22 45 23	Personal Eyewash Equipment
22 45 26	Eye/Face Wash Equipment
22 45 29	Hand-Held Emergency Drench Hoses
22 45 33	Combination Emergency Fixture Units
22 45 36	Emergency Fixture Water-Tempering Equipment

22 46 00	Security Plumbing Fixtures
22 46 13	Security Water Closets and Urinals
22 46 13.13	Security Water Closets
22 46 13.16	Security Urinals
22 46 16	Security Lavatories and Sinks
22 46 16.13	Security Lavatories
22 46 16.16	Security Sinks
22 46 19	Security Showers
22 46 39 22 46 43	Security Faucets, Supplies, and Trim Security Plumbing Fixture Flushometers
22 46 53	Security Plumbing Fixture Flushometers Security Plumbing Fixture Supports
22 47 00	Drinking Fountains and Water Coolers
22 47 13	Drinking Fountains
22 47 16	Pressure Water Coolers
22 47 19	Water-Station Water Coolers
22 47 23	Remote Water Coolers
22 50 00	Pool and Fountain Plumbing Systems
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22 51 00	Swimming Pool Plumbing Systems
22 51 13	Swimming Pool Piping
22 51 16	Swimming Pool Pumps
22 51 19	Swimming Pool Water Treatment Equipment
22 51 23	Swimming Pool Equipment Controls
22 52 00	Fountain Plumbing Systems
22 52 13	Fountain Piping
22 52 16	Fountain Pumps
22 52 19 22 52 23	Fountain Water Treatment Equipment
	Fountain Equipment Controls
22 60 00	Gas and Vacuum Systems for Laboratory
	and Healthcare Facilities
22 61 00	Compressed-Air Systems for Laboratory and
	Healthcare Facilities
22 61 13	Compressed-Air Piping for Laboratory and Healthcare Facilities
22 61 13.53	Laboratory Compressed-Air Piping
22 61 13.70	Healthcare Compressed-Air Piping
22 61 13.74	Dental Compressed-Air Piping
22 61 19	Compressed-Air Equipment for Laboratory and Healthcare Facilities
22 61 19.53	Laboratory Compressed-Air Equipment
22 61 19.70 22 61 19.74	Healthcare Compressed-Air Equipment Dental Compressed-Air Equipment
22 62 00	Vacuum Systems for Laboratory and Healthcare
22 02 00	· · · · · · · · · · · · · · · · · · ·
22 62 42	Facilities
22 62 13 22 62 13.53	Vacuum Piping for Laboratory and Healthcare Facilities Laboratory Vacuum Piping
22 62 13.53 22 62 13.70	Healthcare, Surgical Vacuum Piping
22 62 13.74	Dental Vacuum Piping
22 62 19	Vacuum Equipment for Laboratory and Healthcare Facilities
22 62 19.53	Laboratory Vacuum Equipment
22 62 19.70	Healthcare Vacuum Equipment

22 62 19.74	Dental Vacuum and Evacuation Equipment
22 62 23	Waste Anesthesia-Gas Piping
22 63 00	Gas Systems for Laboratory and Healthcare Facilities
22 63 13	Gas Piping for Laboratory and Healthcare Facilities
22 63 13.53 22 63 13.70	Laboratory Gas Piping Healthcare Gas Piping
22 63 19	Gas Storage Tanks for Laboratory and Healthcare Facilities
22 63 19.53	Laboratory Gas Storage Tanks
22 63 19.70	Healthcare Gas Storage Tanks
22 66 00	Chemical-Waste Systems for Laboratory and
	Healthcare Facilities
22 66 53	Laboratory Chemical-Waste and Vent Piping
22 66 70	Healthcare Chemical-Waste and Vent Piping
22 66 83	Chemical-Waste Tanks
22 66 83.13 22 66 83.16	Chemical-Waste Dilution Tanks Chemical-Waste Neutralization Tanks
22 67 00	Processed Water Systems for Laboratory and
22 07 00	Healthcare Facilities
22 67 13	Processed Water Piping for Laboratory and Healthcare Facilities
22 67 13.13	Distilled-Water Piping
22 67 13.16	Reverse-Osmosis Water Piping
22 67 13.19	Deionized-Water Piping
22 67 19	Processed Water Equipment for Laboratory and Healthcare Facilities
22 67 19.13	Distilled-Water Equipment
22 67 19.16 22 67 19.19	Reverse-Osmosis Water Equipment Deionized-Water Equipment
23 00 00	
23 00 00	Heating, Ventilating, and Air
	Conditioning (HVAC)
23 01 00	Operation and Maintenance of HVAC Systems
23 01 10	Operation and Maintenance of Facility Fuel Systems
23 01 20	Operation and Maintenance of HVAC Piping and Pumps
23 01 30	Operation and Maintenance of HVAC Air Distribution
23 01 30.51	HVAC Air-Distribution System Cleaning
23 01 50	Operation and Maintenance of Central Heating Equipment
23 01 60 23 01 60.71	Operation and Maintenance of Central Cooling Equipment Refrigerant Recovery/Recycling
23 01 70	Operation and Maintenance of Central HVAC Equipment
23 01 80	Operation and Maintenance of Decentralized HVAC Equipment
23 01 90	Diagnostic Systems for HVAC
23 05 00	Common Work Results for HVAC
23 05 05	Selective Demolition for Heating, Ventilating, and Air Conditioning (HVAC)
23 05 13	Common Motor Requirements for HVAC Equipment
23 05 16	Expansion Fittings and Loops for HVAC Piping
23 05 17	Sleeves and Sleeve Seals for HVAC Piping
23 05 19	Meters and Gages for HVAC Piping
23 05 23	General-Duty Valves for HVAC Piping
23 05 29	Hangers and Supports for HVAC Piping and Equipment
23 05 33 23 05 48	Heat Tracing for HVAC Piping Vibration and Seismic Controls for HVAC
20 00 40	VIDIGUOTI GITG OCISITIO OCITUOIS TOLITIVAO

	23 05 48.13	Vibration Controls for HVAC
	23 05 53	Identification for HVAC Piping and Equipment
	23 05 63	Anti-Microbial Coatings for HVAC Ducts and Equipment
	23 05 66	Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment
	23 05 93	Testing, Adjusting, and Balancing for HVAC
23	06 00	Schedules for HVAC
	23 06 10	Schedules for Facility Fuel Service Systems
	23 06 20	Schedules for HVAC Piping and Pumps
	23 06 20.13	Hydronic Pump Schedule
	23 06 30	Schedules for HVAC Air Distribution
	23 06 30.13	HVAC Fan Schedule
	23 06 30.16 23 06 30.19	Air Terminal Unit Schedule Air Outlet and Inlet Schedule
	23 06 30.13	HVAC Air Cleaning Device Schedule
	23 06 50	Schedules for Central Heating Equipment
	23 06 50.13	Heating Boiler Schedule
	23 06 60	Schedules for Central Cooling Equipment
	23 06 60.13	Refrigerant Condenser Schedule
	23 06 60.16	Packaged Water Chiller Schedule
	23 06 70 23 06 70.13	Schedules for Central HVAC Equipment Indoor, Central-Station Air-Handling Unit Schedule
	23 06 70.15	Packaged Outdoor HVAC Equipment Schedule
	23 06 80	Schedules for Decentralized HVAC Equipment
	23 06 80.13	Decentralized Unitary HVAC Equipment Schedule
	23 06 80.16	Convection Heating and Cooling Unit Schedule
	23 06 80.19	Radiant Heating Unit Schedule
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23	07 00	HVAC Insulation
23	23 07 13	Duct Insulation
23	23 07 13 23 07 16	Duct Insulation HVAC Equipment Insulation
	23 07 13 23 07 16 23 07 19	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation
23	23 07 13 23 07 16 23 07 19 08 00	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC
23	23 07 13 23 07 16 23 07 19 08 00 09 00	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC
23	23 07 13 23 07 16 23 07 19 08 00 09 00 23 09 13	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC Instrumentation and Control Devices for HVAC
23	23 07 13 23 07 16 23 07 19 08 00 09 00 23 09 13 23 09 13.13	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC Instrumentation and Control Devices for HVAC Actuators and Operators
23	23 07 13 23 07 16 23 07 19 08 00 09 00 23 09 13 23 09 13.13 23 09 13.23	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC Instrumentation and Control Devices for HVAC Actuators and Operators Sensors and Transmitters
23	23 07 13 23 07 16 23 07 19 08 00 09 00 23 09 13 23 09 13.13 23 09 13.23 23 09 13.33	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC Instrumentation and Control Devices for HVAC Actuators and Operators Sensors and Transmitters Control Valves
23	23 07 13 23 07 16 23 07 19 08 00 09 00 23 09 13 23 09 13.13 23 09 13.23	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC Instrumentation and Control Devices for HVAC Actuators and Operators Sensors and Transmitters
23	23 07 13 23 07 16 23 07 19 08 00 09 00 23 09 13 23 09 13.13 23 09 13.23 23 09 13.33 23 09 13.43	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC Instrumentation and Control Devices for HVAC Actuators and Operators Sensors and Transmitters Control Valves Control Dampers
23	23 07 13 23 07 16 23 07 19 08 00 09 00 23 09 13 23 09 13.13 23 09 13.23 23 09 13.33 23 09 13.43 23 09 23 23 09 23.11 23 09 23.11	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC Instrumentation and Control Devices for HVAC Actuators and Operators Sensors and Transmitters Control Valves Control Dampers Direct-Digital Control System for HVAC Control Valves Control Dampers
23	23 07 13 23 07 16 23 07 19 08 00 09 00 23 09 13 23 09 13.13 23 09 13.23 23 09 13.33 23 09 13.43 23 09 23 23 09 23.11 23 09 23.11 23 09 23.12 23 09 23.13	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC Instrumentation and Control Devices for HVAC Actuators and Operators Sensors and Transmitters Control Valves Control Dampers Direct-Digital Control System for HVAC Control Valves Control Dampers Energy Meters
23	23 07 13 23 07 16 23 07 19 08 00 09 00 23 09 13 23 09 13.13 23 09 13.23 23 09 13.33 23 09 13.43 23 09 23 23 09 23.11 23 09 23.12 23 09 23.13 23 09 23.14	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC Instrumentation and Control Devices for HVAC Actuators and Operators Sensors and Transmitters Control Valves Control Dampers Direct-Digital Control System for HVAC Control Valves Control Dampers Energy Meters Flow Instruments
23	23 07 13 23 07 16 23 07 19 08 00 09 00 23 09 13 23 09 13.13 23 09 13.23 23 09 13.33 23 09 13.43 23 09 23 23 09 23.11 23 09 23.11 23 09 23.12 23 09 23.13 23 09 23.14 23 09 23.16	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC Instrumentation and Control Devices for HVAC Actuators and Operators Sensors and Transmitters Control Valves Control Dampers Direct-Digital Control System for HVAC Control Valves Control Dampers Energy Meters
23	23 07 13 23 07 16 23 07 19 08 00 09 00 23 09 13 23 09 13.13 23 09 13.23 23 09 13.33 23 09 13.43 23 09 23 23 09 23.11 23 09 23.12 23 09 23.13 23 09 23.14	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC Instrumentation and Control Devices for HVAC Actuators and Operators Sensors and Transmitters Control Valves Control Dampers Direct-Digital Control System for HVAC Control Valves Control Dampers Energy Meters Flow Instruments Gas Instruments
23	23 07 13 23 07 16 23 07 19 08 00 09 00 23 09 13 23 09 13.13 23 09 13.23 23 09 13.33 23 09 13.43 23 09 23 23 09 23.11 23 09 23.12 23 09 23.14 23 09 23.14 23 09 23.16 23 09 23.17 23 09 23.18 23 09 23.18 23 09 23.19	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC Instrumentation and Control Devices for HVAC Actuators and Operators Sensors and Transmitters Control Valves Control Dampers Direct-Digital Control System for HVAC Control Valves Control Dampers Energy Meters Flow Instruments Gas Instruments Level Instruments Leak Detection Instruments Moisture Instruments
23	23 07 13 23 07 16 23 07 19 08 00 09 00 23 09 13 23 09 13.23 23 09 13.23 23 09 13.43 23 09 23.11 23 09 23.11 23 09 23.12 23 09 23.13 23 09 23.14 23 09 23.16 23 09 23.17 23 09 23.18 23 09 23.19 23 09 23.21	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC Instrumentation and Control Devices for HVAC Actuators and Operators Sensors and Transmitters Control Valves Control Dampers Direct-Digital Control System for HVAC Control Valves Control Dampers Energy Meters Flow Instruments Gas Instruments Level Instruments Level Instruments Moisture Instruments Moisture Instruments Motion Instruments
23	23 07 13 23 07 16 23 07 19 08 00 09 00 23 09 13.23 23 09 13.23 23 09 13.23 23 09 13.43 23 09 23.11 23 09 23.11 23 09 23.12 23 09 23.13 23 09 23.14 23 09 23.16 23 09 23.17 23 09 23.18 23 09 23.19 23 09 23.21 23 09 23.21 23 09 23.22	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC Instrumentation and Control Devices for HVAC Actuators and Operators Sensors and Transmitters Control Valves Control Dampers Direct-Digital Control System for HVAC Control Valves Control Dampers Energy Meters Flow Instruments Gas Instruments Level Instruments Level Instruments Moisture Instruments Motion Instruments Position Instruments
23	23 07 13 23 07 16 23 07 19 08 00 09 00 23 09 13 23 09 13.23 23 09 13.23 23 09 13.23 23 09 13.43 23 09 23.11 23 09 23.11 23 09 23.12 23 09 23.14 23 09 23.16 23 09 23.17 23 09 23.18 23 09 23.19 23 09 23.21 23 09 23.22 23 09 23.23	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC Instrumentation and Control Devices for HVAC Actuators and Operators Sensors and Transmitters Control Valves Control Dampers Direct-Digital Control System for HVAC Control Valves Control Dampers Energy Meters Flow Instruments Gas Instruments Level Instruments Leak Detection Instruments Moisture Instruments Position Instruments Position Instruments Pressure Instruments
23	23 07 13 23 07 16 23 07 19 08 00 09 00 23 09 13.23 23 09 13.23 23 09 13.23 23 09 13.43 23 09 23.11 23 09 23.11 23 09 23.12 23 09 23.13 23 09 23.14 23 09 23.16 23 09 23.17 23 09 23.18 23 09 23.19 23 09 23.21 23 09 23.21 23 09 23.22	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC Instrumentation and Control Devices for HVAC Actuators and Operators Sensors and Transmitters Control Valves Control Dampers Direct-Digital Control System for HVAC Control Valves Control Dampers Energy Meters Flow Instruments Gas Instruments Level Instruments Level Instruments Moisture Instruments Motion Instruments Position Instruments
23	23 07 13 23 07 16 23 07 19 08 00 09 00 23 09 13.13 23 09 13.23 23 09 13.23 23 09 13.43 23 09 23.11 23 09 23.11 23 09 23.12 23 09 23.14 23 09 23.14 23 09 23.16 23 09 23.17 23 09 23.18 23 09 23.19 23 09 23.21 23 09 23.21 23 09 23.22 23 09 23.23 23 09 23.23 23 09 23.24	Duct Insulation HVAC Equipment Insulation HVAC Piping Insulation Commissioning of HVAC Instrumentation and Control for HVAC Instrumentation and Control Devices for HVAC Actuators and Operators Sensors and Transmitters Control Valves Control Dampers Direct-Digital Control System for HVAC Control Valves Control Dampers Energy Meters Flow Instruments Gas Instruments Level Instruments Level Instruments Moisture Instruments Motion Instruments Position Instruments Pressure Instruments Pressure Instruments Speed Instruments

	23 09 33	Electric and Electronic Control System for HVAC
	23 09 43	Pneumatic Control System for HVAC
	23 09 53 23 09 93	Pneumatic and Electric Control System for HVAC Sequence of Operations for HVAC Controls
	23 09 93.11	Sequence of Operations for HVAC DDC
23	10 00	Facility Fuel Systems
	11 00	Facility Fuel Piping
	23 11 13	Facility Fuel-Oil Piping
	23 11 16	Facility Gasoline Piping
	23 11 23	Facility Natural-Gas Piping
	23 11 26	Facility Liquefied-Petroleum Gas Piping
23	12 00	Facility Fuel Pumps
	23 12 13	Facility Fuel-Oil Pumps
	23 12 16	Facility Gasoline Dispensing Pumps
	23 12 26	Facility Liquefied-Petroleum Gas Pumps
23	13 00	Facility Fuel-Storage Tanks
	23 13 13	Facility Underground Fuel-Oil, Storage Tanks
	23 13 13.13	Double-Wall Steel, Underground Fuel-Oil, Storage Tanks
	23 13 13.16	Composite, Steel, Underground Fuel-Oil, Storage Tanks
	23 13 13.19 23 13 13.23	Jacketed, Steel, Underground Fuel-Oil, Storage Tanks Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks
	23 13 13.33	Fuel-Oil Storage Tank Pumps
	23 13 23	Facility Aboveground Fuel-Oil, Storage Tanks
	23 13 23.13	Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks
	23 13 23.16	Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks
	23 13 23.19	Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks
	23 13 23.23 23 13 23.26	Insulated, Steel, Aboveground Fuel-Oil, Storage Tanks Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks
	23 13 25.20	Facility Aboveground Liquefied-Petroleum Gas Storage Tanks
23	20 00	HVAC Piping and Pumps
	21 00	Hydronic Piping and Pumps
23	23 21 13	Hydronic Piping and Pumps Hydronic Piping
	23 21 13.13	Underground Hydronic Piping
	23 21 13.23	Aboveground Hydronic Piping
	23 21 13.33	Ground-Loop Heat-Pump Piping
	23 21 16	Hydronic Piping Specialties
	23 21 23	Hydronic Pumps
	23 21 23.13	In-Line Centrifugal Hydronic Pumps
	23 21 23.16 23 21 23.19	Base-Mounted, Centrifugal Hydronic Pumps Vertical-Mounted, Double-Suction Centrifugal Hydronic Pumps
	23 21 23.13	Vertical-Turbine Hydronic Pumps
	23 21 29	Automatic Condensate Pump Units
23	22 00	Steam and Condensate Piping and Pumps
	23 22 13	Steam and Condensate Heating Piping
	23 22 13.13	Underground Steam and Condensate Heating Piping
	23 22 13.23	Aboveground Steam and Condensate Heating Piping
	23 22 16	Steam and Condensate Heating Piping Specialties
	23 22 23	Steam Condensate Pumps
	23 22 23.13	Electric-Driven Steam Condensate Pumps
	23 22 23.23	Pressure-Powered Steam Condensate Pumps

23 23 00	Refrigerant Piping
23 23 13	Refrigerant Piping Valves
23 23 16	Refrigerant Piping Specialties
23 23 19	Refrigerant Safety Relief Valve Discharge Piping
23 23 23	Refrigerants
23 24 00	Internal-Combustion Engine Piping
23 24 13	Internal-Combustion Engine Remote-Radiator Coolant Piping
23 24 16	Internal-Combustion Engine Exhaust Piping
23 25 00	HVAC Water Treatment
23 25 13	Water Treatment for Closed-Loop Hydronic Systems
23 25 16	Water Treatment for Open Hydronic Systems
23 25 19	Water Treatment for Steam System Feedwater
23 25 23	Water Treatment for Humidification Steam System Feedwater
23 25 33	HVAC Makeup-Water Filtration Equipment
23 30 00	HVAC Air Distribution
23 31 00	HVAC Ducts and Casings
23 31 13	Metal Ducts
23 31 13.13	Rectangular Metal Ducts
23 31 13.16	Round and Flat-Oval Spiral Ducts
23 31 13.19	Metal Duct Fittings
23 31 16	Nonmetal Ducts
23 31 16.13	Fibrous-Glass Ducts
23 31 16.16 23 31 16.19	Thermoset Fiberglass-Reinforced Plastic Ducts PVC Ducts
23 31 16.19	Concrete Ducts
23 31 19	HVAC Casings
23 32 00	Air Plenums and Chases
23 32 13	Fabricated, Metal Air Plenums
23 32 33	Air-Distribution Ceiling Plenums
23 32 36	Air-Distribution Floor Plenums
23 32 39	Air-Distribution Wall Plenums
23 32 43	Air-Distribution Chases Formed by General Construction
23 32 48	Acoustical Air Plenums
23 33 00	Air Duct Accessories
23 33 13	Dampers
23 33 13.13	Volume-Control Dampers
23 33 13.16	Fire Dampers
23 33 13.19	Smoke-Control Dampers
23 33 13.23 23 33 19	Backdraft Dampers Duct Silencers
23 33 23	Turning Vanes
23 33 33	Duct-Mounting Access Doors
23 33 38	Duct Security Bars
23 33 43	Flexible Connectors
23 33 46	Flexible Ducts
23 33 53	Duct Liners
23 34 00	HVAC Fans
23 34 13	Axial HVAC Fans
23 34 16	Centrifugal HVAC Fans

23 34 23	HVAC Power Ventilators
23 34 33	Air Curtains
23 34 39	High-Volume, Low-Speed Propeller Fans
23 35 00	Special Exhaust Systems
23 35 13	Dust Collection Systems
23 35 13.13	Sawdust Collection Systems
23 35 16	Engine Exhaust Systems
23 35 16.13	Positive-Pressure Engine Exhaust Systems
23 35 16.16 23 35 33	Mechanical Engine Exhaust Systems
	Listed Kitchen Ventilation Exhaust System
23 36 00	Air Terminal Units
23 36 13	Constant-Air-Volume Units
23 36 16	Variable-Air-Volume Units
23 37 00	Air Outlets and Inlets
23 37 13	Diffusers, Registers, and Grilles
23 37 13.43 23 37 16	Security Registers and Grilles Fabric Air Distribution Devices
23 37 10	HVAC Gravity Ventilators
23 37 23.13	HVAC Gravity Dome Ventilators
23 37 23.16	HVAC Gravity Louvered-Penthouse Ventilators
23 37 23.19	HVAC Gravity Upblast Ventilators
23 38 00	Ventilation Hoods
23 38 13	Commercial-Kitchen Hoods
23 38 13.13	Listed Commercial-Kitchen Hoods
23 38 13.16	Standard Commercial-Kitchen Hoods
23 38 16	Fume Hoods
23 40 00	HVAC Air Cleaning Devices
22 44 00	Particulate Air Filtration
23 41 00	Patticulate All Fillianon
23 41 00 23 41 13	
23 41 00 23 41 13 23 41 16	Panel Air Filters
23 41 13	
23 41 13 23 41 16	Panel Air Filters Renewable-Media Air Filters
23 41 13 23 41 16 23 41 19	Panel Air Filters Renewable-Media Air Filters Washable Air Filters
23 41 13 23 41 16 23 41 19 23 41 23	Panel Air Filters Renewable-Media Air Filters Washable Air Filters Extended Surface Filters
23 41 13 23 41 16 23 41 19 23 41 23 23 41 33	Panel Air Filters Renewable-Media Air Filters Washable Air Filters Extended Surface Filters High-Efficiency Particulate Filtration Ultra-Low Penetration Filtration Super Ultra-Low Penetration Filtration
23 41 13 23 41 16 23 41 19 23 41 23 23 41 33 23 41 43	Panel Air Filters Renewable-Media Air Filters Washable Air Filters Extended Surface Filters High-Efficiency Particulate Filtration Ultra-Low Penetration Filtration
23 41 13 23 41 16 23 41 19 23 41 23 23 41 33 23 41 43 23 41 46	Panel Air Filters Renewable-Media Air Filters Washable Air Filters Extended Surface Filters High-Efficiency Particulate Filtration Ultra-Low Penetration Filtration Super Ultra-Low Penetration Filtration
23 41 13 23 41 16 23 41 19 23 41 23 23 41 33 23 41 43 23 41 46 23 42 00 23 42 13 23 42 16	Panel Air Filters Renewable-Media Air Filters Washable Air Filters Extended Surface Filters High-Efficiency Particulate Filtration Ultra-Low Penetration Filtration Super Ultra-Low Penetration Filtration Gas-Phase Air Filtration Activated-Carbon Air Filtration Chemically-Impregnated Adsorption Air Filtration
23 41 13 23 41 16 23 41 19 23 41 23 23 41 33 23 41 43 23 41 46 23 42 00 23 42 13 23 42 16 23 42 19	Panel Air Filters Renewable-Media Air Filters Washable Air Filters Extended Surface Filters High-Efficiency Particulate Filtration Ultra-Low Penetration Filtration Super Ultra-Low Penetration Filtration Gas-Phase Air Filtration Activated-Carbon Air Filtration Chemically-Impregnated Adsorption Air Filtration Catalytic-Adsorption Air Filtration
23 41 13 23 41 16 23 41 19 23 41 23 23 41 33 23 41 43 23 41 46 23 42 00 23 42 13 23 42 16	Panel Air Filters Renewable-Media Air Filters Washable Air Filters Extended Surface Filters High-Efficiency Particulate Filtration Ultra-Low Penetration Filtration Super Ultra-Low Penetration Filtration Gas-Phase Air Filtration Activated-Carbon Air Filtration Chemically-Impregnated Adsorption Air Filtration
23 41 13 23 41 16 23 41 19 23 41 23 23 41 33 23 41 43 23 41 46 23 42 00 23 42 13 23 42 16 23 42 19	Panel Air Filters Renewable-Media Air Filters Washable Air Filters Extended Surface Filters High-Efficiency Particulate Filtration Ultra-Low Penetration Filtration Super Ultra-Low Penetration Filtration Gas-Phase Air Filtration Activated-Carbon Air Filtration Chemically-Impregnated Adsorption Air Filtration Catalytic-Adsorption Air Filtration
23 41 13 23 41 16 23 41 19 23 41 23 23 41 33 23 41 43 23 41 46 23 42 00 23 42 13 23 42 16 23 42 19 23 43 00 23 43 13 23 43 16	Panel Air Filters Renewable-Media Air Filters Washable Air Filters Extended Surface Filters High-Efficiency Particulate Filtration Ultra-Low Penetration Filtration Super Ultra-Low Penetration Filtration Gas-Phase Air Filtration Activated-Carbon Air Filtration Chemically-Impregnated Adsorption Air Filtration Catalytic-Adsorption Air Filtration Electronic Air Cleaners Washable Electronic Air Cleaners Agglomerator Electronic Air Cleaners
23 41 13 23 41 16 23 41 19 23 41 23 23 41 33 23 41 43 23 41 46 23 42 00 23 42 13 23 42 16 23 42 19 23 43 00 23 43 13	Panel Air Filters Renewable-Media Air Filters Washable Air Filters Extended Surface Filters High-Efficiency Particulate Filtration Ultra-Low Penetration Filtration Super Ultra-Low Penetration Filtration Gas-Phase Air Filtration Activated-Carbon Air Filtration Chemically-Impregnated Adsorption Air Filtration Catalytic-Adsorption Air Filtration Electronic Air Cleaners Washable Electronic Air Cleaners
23 41 13 23 41 16 23 41 19 23 41 23 23 41 33 23 41 43 23 41 46 23 42 00 23 42 13 23 42 16 23 42 19 23 43 16 23 43 13 23 43 16 23 43 23	Panel Air Filters Renewable-Media Air Filters Washable Air Filters Extended Surface Filters High-Efficiency Particulate Filtration Ultra-Low Penetration Filtration Super Ultra-Low Penetration Filtration Gas-Phase Air Filtration Activated-Carbon Air Filtration Chemically-Impregnated Adsorption Air Filtration Catalytic-Adsorption Air Filtration Electronic Air Cleaners Washable Electronic Air Cleaners Agglomerator Electronic Air Cleaners Self-Contained Electronic Air Cleaners
23 41 13 23 41 16 23 41 19 23 41 23 23 41 33 23 41 43 23 41 46 23 42 00 23 42 13 23 42 16 23 42 19 23 43 10 23 43 13 23 43 16 23 43 23 23 50 00	Panel Air Filters Renewable-Media Air Filters Washable Air Filters Extended Surface Filters High-Efficiency Particulate Filtration Ultra-Low Penetration Filtration Super Ultra-Low Penetration Filtration Gas-Phase Air Filtration Activated-Carbon Air Filtration Chemically-Impregnated Adsorption Air Filtration Catalytic-Adsorption Air Filtration Electronic Air Cleaners Washable Electronic Air Cleaners Agglomerator Electronic Air Cleaners Self-Contained Electronic Air Cleaners Central Heating Equipment
23 41 13 23 41 16 23 41 19 23 41 23 23 41 33 23 41 43 23 41 46 23 42 00 23 42 13 23 42 16 23 42 19 23 43 00 23 43 13 23 43 16 23 43 23 23 50 00 23 51 00	Panel Air Filters Renewable-Media Air Filters Washable Air Filters Extended Surface Filters High-Efficiency Particulate Filtration Ultra-Low Penetration Filtration Super Ultra-Low Penetration Filtration Gas-Phase Air Filtration Activated-Carbon Air Filtration Chemically-Impregnated Adsorption Air Filtration Catalytic-Adsorption Air Filtration Electronic Air Cleaners Washable Electronic Air Cleaners Agglomerator Electronic Air Cleaners Self-Contained Electronic Air Cleaners Central Heating Equipment Breechings, Chimneys, and Stacks
23 41 13 23 41 16 23 41 19 23 41 23 23 41 33 23 41 43 23 41 46 23 42 00 23 42 13 23 42 16 23 42 19 23 43 10 23 43 13 23 43 16 23 43 23 23 50 00	Panel Air Filters Renewable-Media Air Filters Washable Air Filters Extended Surface Filters High-Efficiency Particulate Filtration Ultra-Low Penetration Filtration Super Ultra-Low Penetration Filtration Gas-Phase Air Filtration Activated-Carbon Air Filtration Chemically-Impregnated Adsorption Air Filtration Catalytic-Adsorption Air Filtration Electronic Air Cleaners Washable Electronic Air Cleaners Agglomerator Electronic Air Cleaners Self-Contained Electronic Air Cleaners Central Heating Equipment

23	23 51 13.16 23 51 13.19 23 51 16 23 51 19 23 51 23 23 51 33 23 51 43.13 23 51 43.16 52 00 23 52 13 23 52 16.13 23 52 16.16 23 52 17 23 52 19 23 52 19 23 52 23 23 52 33.13 23 52 33.14 23 52 33.14 23 52 33.16 23 52 33.19 23 52 39.13 23 52 39.13 23 52 39.16	Flexible Water-Tube Boilers Steel Water-Tube Boilers Copper Water-Tube Boilers Fire-Tube Boilers Scotch Marine Boilers Steel Fire-Tube Boilers
00	23 52 83	Boiler Blowdown Systems
23	53 00	Heating Boiler Feedwater Equipment
23	53 00 23 53 13	Heating Boiler Feedwater Equipment Boiler Feedwater Pumps
	23 53 13 23 53 16	Boiler Feedwater Pumps Deaerators
	23 53 13 23 53 16 54 00	Boiler Feedwater Pumps Deaerators Furnaces
	23 53 13 23 53 16 54 00 23 54 13	Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces
	23 53 13 23 53 16 54 00	Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces
23	23 53 13 23 53 16 54 00 23 54 13 23 54 16 23 54 16.13 23 54 16.16	Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces
23	23 53 13 23 53 16 54 00 23 54 13 23 54 16 23 54 16.13 23 54 16.16 55 00	Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters
23	23 53 13 23 53 16 54 00 23 54 13 23 54 16 23 54 16.13 23 54 16.16 55 00 23 55 13	Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters Fuel-Fired Duct Heaters
23	23 53 13 23 53 16 54 00 23 54 13 23 54 16 23 54 16.13 23 54 16.16 55 00	Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters
23	23 53 13 23 53 16 54 00 23 54 13 23 54 16.13 23 54 16.16 55 00 23 55 13 23 55 13.13 23 55 13.16 23 55 23	Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters Fuel-Fired Duct Heaters Oil-Fired Duct Heaters Gas-Fired Duct Heaters Gas-Fired Radiant Heaters
23	23 53 13 23 53 16 54 00 23 54 13 23 54 16 23 54 16.13 23 54 16.16 55 00 23 55 13 23 55 13.13 23 55 13.16 23 55 23 23 55 23.13	Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters Fuel-Fired Duct Heaters Oil-Fired Duct Heaters Gas-Fired Duct Heaters Gas-Fired Radiant Heaters Low-Intensity Gas-Fired Radiant Heaters
23	23 53 13 23 53 16 54 00 23 54 13 23 54 16 23 54 16.13 23 54 16.16 55 00 23 55 13 23 55 13.13 23 55 13.16 23 55 23 23 55 23.13 23 55 23.13	Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters Fuel-Fired Duct Heaters Oil-Fired Duct Heaters Gas-Fired Duct Heaters Gas-Fired Radiant Heaters Low-Intensity Gas-Fired Radiant Heaters High-Intensity Gas-Fired Radiant Heaters
23	23 53 13 23 53 16 54 00 23 54 13 23 54 16 23 54 16.13 23 54 16.16 55 00 23 55 13 23 55 13.13 23 55 13.16 23 55 23 23 55 23.13	Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters Fuel-Fired Duct Heaters Oil-Fired Duct Heaters Gas-Fired Duct Heaters Gas-Fired Radiant Heaters Low-Intensity Gas-Fired Radiant Heaters
23	23 53 13 23 53 16 54 00 23 54 13 23 54 16.13 23 54 16.16 55 00 23 55 13.13 23 55 13.16 23 55 23 23 55 23.13 23 55 23.13 23 55 33.13 23 55 33.13 23 55 33.16	Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters Fuel-Fired Duct Heaters Oil-Fired Duct Heaters Gas-Fired Duct Heaters Gas-Fired Radiant Heaters Low-Intensity Gas-Fired Radiant Heaters High-Intensity Gas-Fired Radiant Heaters Fuel-Fired Unit Heaters Oil-Fired Unit Heaters Gas-Fired Unit Heaters Gas-Fired Unit Heaters
23	23 53 13 23 53 16 54 00 23 54 13 23 54 16 23 54 16.13 23 54 16.16 55 00 23 55 13 23 55 13.13 23 55 23 23 55 23.13 23 55 23.16 23 55 33 23 55 33.13 23 55 33.13 23 55 33.16	Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters Fuel-Fired Duct Heaters Oil-Fired Duct Heaters Gas-Fired Duct Heaters Gas-Fired Radiant Heaters Low-Intensity Gas-Fired Radiant Heaters High-Intensity Gas-Fired Radiant Heaters Fuel-Fired Unit Heaters Oil-Fired Unit Heaters Oil-Fired Unit Heaters Gas-Fired Unit Heaters Gas-Fired Unit Heaters Gas-Fired Unit Heaters
23	23 53 13 23 53 16 54 00 23 54 13 23 54 16 23 54 16.13 23 54 16.16 55 00 23 55 13 23 55 13.13 23 55 23 23 55 23.13 23 55 23.16 23 55 33 23 55 33.13 23 55 33.13 23 55 33.13 23 55 33.13 23 55 33.13 23 55 33.13 23 55 33.13	Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters Fuel-Fired Duct Heaters Oil-Fired Duct Heaters Gas-Fired Duct Heaters Gas-Fired Radiant Heaters Low-Intensity Gas-Fired Radiant Heaters High-Intensity Gas-Fired Radiant Heaters Fuel-Fired Unit Heaters Oil-Fired Unit Heaters Oil-Fired Unit Heaters Sas-Fired Unit Heaters Gas-Fired Unit Heaters Gas-Fired Unit Heaters Solar Energy Heating Equipment Heating Solar Collectors
23	23 53 13 23 53 16 54 00 23 54 13 23 54 16 23 54 16.13 23 54 16.16 55 00 23 55 13 23 55 13.13 23 55 23 23 55 23.13 23 55 23.16 23 55 33 23 55 33.13 23 55 33.13 23 55 33.16	Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters Fuel-Fired Duct Heaters Oil-Fired Duct Heaters Gas-Fired Duct Heaters Gas-Fired Radiant Heaters Low-Intensity Gas-Fired Radiant Heaters High-Intensity Gas-Fired Radiant Heaters Fuel-Fired Unit Heaters Oil-Fired Unit Heaters Oil-Fired Unit Heaters Sas-Fired Unit Heaters Heating Solar Collectors Heating Solar Concentrating Collectors
23	23 53 13 23 53 16 54 00 23 54 13 23 54 16.13 23 54 16.16 55 00 23 55 13.13 23 55 13.16 23 55 23 23 55 23.16 23 55 23.13 23 55 33.13 23 55 33.13 23 55 33.13 23 56 13.13 23 56 13.13 23 56 13.13 23 56 13.19	Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters Fuel-Fired Duct Heaters Oil-Fired Duct Heaters Gas-Fired Duct Heaters Gas-Fired Radiant Heaters Low-Intensity Gas-Fired Radiant Heaters High-Intensity Gas-Fired Radiant Heaters Fuel-Fired Unit Heaters Oil-Fired Unit Heaters Oil-Fired Unit Heaters Gas-Fired Unit Heaters Heating Solar Collectors Heating Solar Concentrating Collectors Heating Solar Vacuum-Tube Collectors
23	23 53 13 23 53 16 54 00 23 54 13 23 54 16.13 23 54 16.16 55 00 23 55 13.13 23 55 13.16 23 55 23 23 55 23.16 23 55 33 23 55 33.13 23 55 33.13 23 55 33.13 23 55 33.13 23 56 13.13 23 56 13.13 23 56 13.13	Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters Fuel-Fired Duct Heaters Oil-Fired Duct Heaters Gas-Fired Duct Heaters Gas-Fired Radiant Heaters Low-Intensity Gas-Fired Radiant Heaters High-Intensity Gas-Fired Radiant Heaters Fuel-Fired Unit Heaters Oil-Fired Unit Heaters Oil-Fired Unit Heaters Sas-Fired Unit Heaters Heating Solar Collectors Heating Solar Concentrating Collectors

00 57 00	Heat Freehammer for IIVAA
23 57 00	Heat Exchangers for HVAC
23 57 13	Steam-to-Steam Heat Exchangers
23 57 16	Steam-to-Water Heat Exchangers
23 57 19	Liquid-to-Liquid Heat Exchangers
23 57 19.13	Plate-Type, Liquid-to-Liquid Heat Exchangers
23 57 19.16	Shell-Type, Liquid-to-Liquid Heat Exchangers
23 57 33	Direct Geoexchange Heat Exchangers
23 60 00	Central Cooling Equipment
23 61 00	Refrigerant Compressors
23 61 13	Centrifugal Refrigerant Compressors
23 61 13.13	Non-Condensable Gas Purge Equipment
23 61 16	Reciprocating Refrigerant Compressors
23 61 19	Scroll Refrigerant Compressors
23 61 23	Rotary-Screw Refrigerant Compressors
23 62 00	Packaged Compressor and Condenser Units
23 62 13	Packaged Air-Cooled Refrigerant Compressor and Condenser Units
23 62 23	Packaged Water-Cooled Refrigerant Compressor and Condenser Units
23 62 46	Packaged Variable-Refrigerant-Flow Air-Conditioning Systems
23 63 00	
	Refrigerant Condensers
23 63 13	Air-Cooled Refrigerant Condensers
23 63 23	Water-Cooled Refrigerant Condensers
23 63 33	Evaporative Refrigerant Condensers
23 64 00	Packaged Water Chillers
23 64 13	Absorption Water Chillers
23 64 13.13	Direct-Fired Absorption Water Chillers
23 64 13.16	Indirect-Fired Absorption Water Chillers
23 64 16 23 64 16.13	Centrifugal Water Chillers Air-Cooled Centrifugal Water Chillers
23 64 16.16	Water-Cooled Centrifugal Water Chillers
23 64 19	Reciprocating Water Chillers
23 64 23	Scroll Water Chillers
23 64 23.13	Air-Cooled Scroll Water Chillers
23 64 23.16	Water-Cooled Scroll Water Chillers
23 64 26	Rotary-Screw Water Chillers
23 64 26.13	Air-Cooled, Rotary-Screw Water Chillers
23 64 26.16	Water-Cooled, Rotary-Screw Water Chillers
23 64 33	Modular Water Chillers
23 64 33.13	Air-Cooled, Modular Water Chillers
23 64 33.16	Water-Cooled, Modular Water Chillers
23 65 00	Cooling Towers
23 65 13	Forced-Draft Cooling Towers
23 65 13.13	Open-Circuit, Forced-Draft Cooling Towers
23 65 13.16	Closed-Circuit, Forced-Draft Cooling Towers
23 65 14	Induced-Draft Cooling Towers
23 65 14.13	Open-Circuit, Induced-Draft Counterflow Cooling Towers
23 65 14.14 23 65 14.16	Open-Circuit, Induced-Draft Crossflow Cooling Towers Closed-Circuit, Induced-Draft Counterflow Cooling Towers
23 65 14.17	Closed-Circuit, Induced-Draft Counternow Cooling Towers Closed-Circuit, Induced-Draft Combined-Flow Cooling Towers
23 65 16	Natural-Draft Cooling Towers
23 65 23	Field-Erected Cooling Towers
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23 65 33	Liquid Coolers
23 70 00	Central HVAC Equipment
23 71 00	Thermal Storage
23 71 13	Thermal Heat Storage
23 71 13.13	Room Storage Heaters for Thermal Storage
23 71 13.16 23 71 13.19	Heat-Pump Boosters for Thermal Storage Central Furnace Heat-Storage Units
23 71 13.19	Pressurized-Water Thermal Storage Tanks
23 71 16	Chilled-Water Thermal Storage
23 71 19	Ice Storage
23 71 19.13	Internal Ice-on-Coil Thermal Storage
23 71 19.16 23 71 19.19	External Ice-on-Coil Thermal Storage Encapsulated-Ice Thermal Storage
23 71 19.23	Ice-Harvesting Thermal Storage
23 71 19.26	Ice-Slurry Thermal Storage
23 72 00	Air-to-Air Energy Recovery Equipment
23 72 13	Heat-Wheel Air-to-Air Energy-Recovery Equipment
23 72 16	Heat-Pipe Air-to-Air Energy-Recovery Equipment
23 72 19 23 72 23	Fixed-Plate Air-to-Air Energy-Recovery Equipment
23 73 00	Packaged Air-to-Air Energy-Recovery Units Indoor Central-Station Air-Handling Units
23 73 13	Modular Indoor Central-Station Air-Handling Units
23 73 23	Custom Indoor Central-Station Air-Handling Units
23 73 33	Indoor Indirect Fuel-Fired Heating and Ventilating Units
23 73 33.13	Indoor Indirect Oil-Fired Heating and Ventilating Units
23 73 33.16	Indoor Indirect Gas-Fired Heating and Ventilating Units
23 73 39 23 74 00	Indoor, Direct Gas-Fired Heating and Ventilating Units
23 74 00	Packaged Outdoor HVAC Equipment Packaged, Outdoor, Central-Station Air-Handling Units
23 74 16	Packaged Rooftop Air-Conditioning Units
23 74 16.11	Packaged, Small-Capacity, Rooftop Air-Conditioning Units
23 74 16.12	Packaged, Intermediate-Capacity, Rooftop Air-Conditioning Units
23 74 16.13	Packaged, Cutdoor, Hosting Only Mokeyn, Air Heite
23 74 23 23 74 23.13	Packaged, Outdoor, Heating-Only Makeup-Air Units Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units
23 74 23.16	Packaged, Indirect-Fired, Outdoor, Heating-Only Makeup-Air Units
23 74 33	Dedicated Outdoor-Air Units
23 75 00	Custom-Packaged Outdoor HVAC Equipment
23 75 13	Custom-Packaged, Outdoor, Central-Station Air-Handling Units
23 75 16	Custom-Packaged, Rooftop Air-Conditioning Units
23 75 23 23 75 33	Custom-Packaged, Outdoor, Heating and Ventilating Makeup-Air Units Custom-Packaged, Outdoor, Heating and Cooling Makeup Air-
25 75 55	Conditioners
23 76 00	Evaporative Air-Cooling Equipment
23 76 13	Direct Evaporative Air Coolers
23 76 16	Indirect Evaporative Air Coolers
23 76 19	Combined Direct and Indirect Evaporative Air Coolers
23 80 00	Decentralized HVAC Equipment
23 81 00	Decentralized Unitary HVAC Equipment

23 81 13 23 81 13.11 23 81 13.12 23 81 13.13 23 81 16 23 81 19 23 81 19.13 23 81 23.12 23 81 23.11 23 81 23.12 23 81 23.13 23 81 23.14 23 81 23.16 23 81 23.18 23 81 26.13 23 81 26.13 23 81 26.16 23 81 29 23 81 43 23 81 46 23 81 49 23 82 16 23 82 16 23 82 16 23 82 16.11 23 82 16.11 23 82 16.12 23 82 16.11 23 82 16.11 23 82 16.14 23 82 16.14 23 82 16.13 23 82 16.14 23 82 16.14 23 82 16.14 23 82 16.14 23 82 16.13 23 82 16.14 23 82 16.14 23 82 16.13 23 82 23 23 82 39 16.14 23 82 39 23 23 82 39 23	Packaged Terminal Air-Conditioners Packaged Terminal Air-Conditioners, Through-Wall Units Packaged Terminal Air-Conditioners, Freestanding Units Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units Room Air-Conditioners Self-Contained Air-Conditioners Self-Contained Air-Conditioners Small-Capacity Self-Contained Air-Conditioners Large-Capacity Self-Contained Air-Conditioners Computer-Room Air-Conditioners Small-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units Large-Capacity, Computer-Room Air-Conditioners, Floor-Mounted Units Computer-Room Air-Conditioners, Ceiling Mounted Units Computer-Room Air-Conditioners, Console Units Computer-Room Air-Conditioners, Rack Mounted, Space-Cooling Units Computer-Room, Rack-Cooling Equipment Split-System Air-Conditioners Small-Capacity Split-System Air-Conditioners Large-Capacity Split-System Air-Conditioners Variable Refrigerant Flow HVAC Systems Air-Source Unitary Heat Pumps Water-Source Unitary Heat Pumps Ground-Source Unitary Heat Pumps Convection Heating and Cooling Units Valance Heating and Cooling Units Valance Heating and Cooling Units Chilled Beams Air Coils Hydronic Air Coils Steam Air Coils Electric-Resistance Air Coils Fan Coil Units Unit Ventilators Induction Units Radiators Convectors Finned-Tube Radiation Heaters Unit Heaters Cabinet Unit Heaters Propeller Unit Heaters Wall and Ceiling Unit Heaters
23 82 41	Water-to-Water Heat Pumps
23 83 00 23 83 13	Radiant Heating Units Radiant-Heating Electric Cables
23 83 13.16 23 83 16 23 83 23 23 83 33 23 84 00 23 84 13	Radiant-Heating Electric Mats Radiant-Heating Hydronic Piping Radiant-Heating Electric Panels Electric Radiant Heaters Humidity Control Equipment Humidifiers
23 84 13.13 23 84 13.16 23 84 13.19	Heated-Pan Humidifiers Wetted-Element Humidifiers Atomizing Humidifiers

23 84 13.23 23 84 13.26 23 84 13.29 23 84 13.33 23 84 16 23 84 16.13 23 84 16.16 23 84 16.33 23 84 19	Direct-Steam-Injection Humidifiers Jacketed, Steam Humidifiers Self-Contained Steam Humidifiers Portable Humidifiers Mechanical Dehumidification Units Outdoor, Mechanical Dehumidification Units Indoor, Mechanical Dehumidification Units Portable Dehumidifiers Desiccant Dehumidification Units
25 00 00	Integrated Automation
25 01 00 25 01 10 25 01 20 25 01 30	Operation and Maintenance of Integrated Automation Operation and Maintenance of Integrated Automation Network Equipment Operation and Maintenance of Integrated Equipment Operation and Maintenance of Integrated Automation Instrumentation and Terminal Devices
25 01 90	Diagnostic Systems for Integrated Automation
25 05 00	Common Work Results for Integrated Automation
25 05 05 25 05 13 25 05 26 25 05 28 25 05 28.29 25 05 28.33 25 05 28.36 25 05 28.39 25 05 48 25 05 53 25 06 00	Selective Demolition for Integrated Automation Conductors and Cables for Integrated Automation Grounding and Bonding for Integrated Automation Pathways for Integrated Automation Hangers and Supports for Integrated Automation Conduits and Backboxes for Integrated Automation Cable Trays for Integrated Automation Surface Raceways for Integrated Automation Vibration and Seismic Controls for Integrated Automation Identification for Integrated Automation
	Schedules for Integrated Automation
25 06 11 25 06 12	Schedules for Integrated Automation Network Schedules for Integrated Automation Network Gateways
25 06 12	Schedules for Integrated Automation Control and Monitoring Network
25 06 14	Schedules for Integrated Automation Local Control Units
25 06 30	Schedules for Integrated Automation Instrumentation and Terminal Devices
25 08 00	Commissioning of Integrated Automation
25 10 00	Integrated Automation Network
	Equipment
25 11 00	Integrated Automation Network Devices
25 11 13	Integrated Automation Network Servers
25 11 16	Integrated Automation Network Routers, Bridges, Switches, Hubs, and Modems
25 11 19	Integrated Automation Network Operator Workstations
25 12 00	Integrated Automation Network Gateways
25 12 13	Hardwired Integration Network Gateways
25 12 16 25 12 10	Direct-Protocol Integration Network Gateways
25 12 19 25 12 23	Neutral-Protocol Integration Network Gateways Client Server Information/Database Integration Network Gateways
25 13 00	Client-Server Information/Database Integration Network Gateways Integrated Automation Control and Monitoring
4 0 10 00	integrated Automation Continu and Monitoring

	Network
25 13 13	Integrated Automation Control and Monitoring Network Supervisory Control
25 13 16 25 13 19	Integrated Automation Control and Monitoring Network Integration Panels Integrated Automation Control and Monitoring Network Interoperability
25 14 00	Integrated Automation Local Control Units
25 14 13	Integrated Automation Local Control Cities Integrated Automation Remote Control Panels
25 14 16	Integrated Automation Application-Specific Control Panels
25 14 19	Integrated Automation Terminal Control Units
25 14 23	Integrated Automation Field Equipment Panels
25 15 00	Integrated Automation Software
25 15 13	Integrated Automation Software for Network Gateways
25 15 16	Integrated Automation Software for Control and Monitoring Networks
25 15 19	Integrated Automation Software for Local Control Units
25 30 00	Integrated Automation Instrumentation
	and Terminal Devices
25 31 00	Integrated Automation Instrumentation and Terminal
	Devices for Facility Equipment
25 32 00	Integrated Automation Instrumentation and Terminal
	Devices for Conveying Equipment
25 33 00	Integrated Automation Instrumentation and Terminal
	Devices for Fire-Suppression Systems
25 34 00	Integrated Automation Instrumentation and Terminal
	Devices for Plumbing
25 35 00	Integrated Automation Instrumentation and Terminal
	Devices for HVAC
25 35 13	Integrated Automation Actuators and Operators
25 35 16	Integrated Automation Sensors and Transmitters
25 35 19	Integrated Automation Control Valves
25 35 23	Integrated Automation Control Dampers
25 35 26	Integrated Automation Compressed Air Supply
25 36 00	Integrated Automation Instrumentation and Terminal
	Devices for Electrical Systems
25 36 13	Integrated Automation Power Meters
25 36 16	Integrated Automation KW Transducers
25 36 19	Integrated Automation Current Sensors
25 36 23	Integrated Automation Battery Monitors
25 36 26	Integrated Automation Lighting Relays
25 36 29	Integrated Automation UPS Monitors
25 37 00	Integrated Automation Instrumentation and Terminal
	Devices for Communications Systems
25 38 00	Integrated Automation Instrumentation and Terminal
	Devices for Electronic Safety and Security Systems
25 50 00	Integrated Automation Facility Controls

05 54 00	Internated Automotion Control of Facility Favinases
25 51 00	Integrated Automation Control of Facility Equipment
25 52 00	Integrated Automation Control of Conveying
05 50 00	Equipment
25 53 00	Integrated Automation Control of Fire-Suppression
05 54 00	Systems
25 54 00	Integrated Automation Control of Plumbing
25 55 00 25 50 00	Integrated Automation Control of HVAC
25 56 00 25 57 00	Integrated Automation Control of Electrical Systems
25 57 00	Integrated Automation Control of Communications Systems
25 58 00	Integrated Automation Control of Electronic Safety
	and Security Systems
25 90 00	Integrated Automation Control Sequences
25 91 00	Integrated Automation Control Sequences for Facility
	Equipment
25 92 00	Integrated Automation Control Sequences for
	Conveying Equipment
25 93 00	Integrated Automation Control Sequences for Fire-
	Suppression Systems
25 94 00	Integrated Automation Control Sequences for
	Plumbing
25 95 00	Integrated Automation Control Sequences for HVAC
25 96 00	Integrated Automation Control Sequences for
	Electrical Systems
25 97 00	Integrated Automation Control Sequences for
	Communications Systems
25 98 00	Integrated Automation Control Sequences for
	Electronic Safety and Security Systems
26 00 00	Electrical
26 01 00	Operation and Maintenance of Electrical Systems
26 01 10	Operation and Maintenance of Medium-Voltage Electrical Distribution
26 01 20	Operation and Maintenance of Low-Voltage Electrical Distribution
26 01 26 26 01 30	Maintenance Testing of Electrical Systems Operation and Maintenance of Facility Electrical Power Generating and
200.00	Storing Equipment
26 01 40	Operation and Maintenance of Electrical Protection Systems
26 01 40.13 26 01 50	Operation and Maintenance of Lightning Protection Systems Operation and Maintenance of Lighting
26 01 50.51	Luminaire Relamping
26 01 50.81	Luminaire Replacement
26 05 00	Common Work Results for Electrical
26 05 05	Selective Demolition for Electrical

	26 05 13	Medium-Voltage Cables
	26 05 13.13	Medium-Voltage Open Conductors
	26 05 13.16	Medium-Voltage, Single- and Multi-Conductor Cables
	26 05 19	Low-Voltage Electrical Power Conductors and Cables
	26 05 19.13	Undercarpet Electrical Power Cables
	26 05 19.23	Manufactured Wiring Assemblies
	26 05 23	Control-Voltage Electrical Power Cables
	26 05 26	Grounding and Bonding for Electrical Systems
	26 05 29	Hangers and Supports for Electrical Systems
	26 05 33	Raceway and Boxes for Electrical Systems
	26 05 33.13	Conduit for Electrical Systems
	26 05 33.16	Boxes for Electrical Systems
	26 05 33.23	Surface raceways for Electrical Systems
	26 05 36	Cable Trays for Electrical Systems
	26 05 39	Underfloor Raceways for Electrical Systems
	26 05 43	Underground Ducts and Raceways for Electrical Systems
	26 05 44	Sleeves and Sleeve Seals for Electrical Raceways and Cabling
	26 05 46	Poles for Electrical Systems
	26 05 48	Vibration and Seismic Controls for Electrical Systems
	26 05 48.16	Seismic Controls for Electrical Systems
	26 05 53	Identification for Electrical Systems
	26 05 73	Power System Studies
	26 05 73.13	Short-Circuit Studies
	26 05 73.16	Coordination Studies
	26 05 73.19	Arc-Flash Hazard Analysis
	26 05 73.23	Load Flow Studies
	26 05 73.26	Stability Studies
	26 05 73.29	Harmonic-Analysis Studies
	26 05 76	Photometric Studies
	26 05 83	Wiring Connections
26	06 00	Schedules for Electrical
	26 06 10	Schedules for Medium-Voltage Electrical Distribution
	26 06 20	Schedules for Low-Voltage Electrical Distribution
	26 06 20.13	Electrical Switchboard Schedule
	26 06 20.16	Electrical Panelboard Schedule
	26 06 20.19	Electrical Motor-Control Center Schedule
	26 06 20.23	Electrical Circuit Schedule
	26 06 20.26 26 06 30	Wiring Device Schedule
	26 06 40	Schedules for Facility Electrical Power Generating and Storing Equipment
	26 06 50	Schedules for Electrical Protection Systems
		Schedules for Lighting
	26 06 50.13 26 06 50.16	Lighting Panelboard Schedule Lighting Fixture Schedule
26		
	08 00	Commissioning of Electrical Systems
26	09 00	Instrumentation and Control for Electrical Systems
	26 09 13	Electrical Power Monitoring
	26 09 15	Peak Load Controllers
	26 09 16	Electrical Controls and Relays
	26 09 17	Programmable Controllers
	26 09 19	Enclosed Contactors
	26 09 23	Lighting Control Devices
	26 09 26	Lighting Control Panelboards

	26 09 33 26 09 33.13 26 09 33.16	Central Dimming Controls Multichannel Remote-Controlled Dimmers Remote-Controlled Dimming Stations
	26 09 36	Modular Dimming Controls
	26 09 36.13	Manual Modular Dimming Controls
	26 09 36.16	Integrated Multipreset Modular Dimming Controls
	26 09 36.19 26 09 43	Standalone Multipreset Modular Dimming Network Lighting Controls
	26 09 43.13	Digital-Network Lighting Controls
	26 09 43.16	Addressable Luminaire Lighting Controls
	26 09 43.19	Wireless Network Lighting Controls
	26 09 43.23 26 09 61	Relay-Based Lighting Controls Theatrice Lighting Controls
^^		Theatrical Lighting Controls
	10 00	Medium-Voltage Electrical Distribution
26	11 00	Substations
	26 11 13	Primary Unit Substations
	26 11 16	Secondary Unit Substations
	26 11 16.11 26 11 16.12	Secondary Unit Substations with Switchgear Secondary Secondary Unit Substations with Switchboard Secondary
	26 11 16.12	Secondary Unit Substations with Motor Control Center Secondary
26	12 00	Medium-Voltage Transformers
	26 12 13	Liquid-Filled, Medium-Voltage Transformers
	26 12 16	Dry-Type, Medium-Voltage Transformers
	26 12 19	Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers
26	13 00	Medium-Voltage Switchgear
	26 13 13	Medium-Voltage Circuit Breaker Switchgear
	26 13 16	Medium-Voltage Fusible Interrupter Switchgear
	26 13 19 26 13 23	Medium-Voltage Vacuum Interrupter Switchgear
	26 13 25	Medium-Voltage Metal-Enclosed Switchgear Medium-Voltage Metal-Clad Switchgear
	26 13 29	Medium-Voltage Compartmentalized Switchgear
26	15 00	Medium-Voltage Enclosed Bus Assemblies
	26 15 13	Medium-Voltage Busways
	26 15 16	Medium-Voltage Cablebus
26	16 00	Medium-Voltage Metering
26	18 00	Medium-Voltage Circuit Protection Devices
	26 18 13	Medium-Voltage Cutouts
	26 18 16	Medium-Voltage Fuses
	26 18 19	Medium-Voltage Lightning Arresters
	26 18 23	Medium-Voltage Surge Arresters
	26 18 26 26 18 29	Medium-Voltage Reclosers
	26 18 33	Medium-Voltage Enclosed Bus Medium-Voltage Enclosed Fuse Cutouts
	26 18 36	Medium-Voltage Enclosed Fuses
	26 18 39	Medium-Voltage Motor Controllers
26	20 00	Low-Voltage Electrical Distribution
	21 00	
40	21 00 26 21 13	Low-Voltage Electrical Service Entrance Low-Voltage Overhead Electrical Service Entrance
	26 21 16	Low-Voltage Underground Electrical Service Entrance

26 22 00	Low-Voltage Transformers
26 22 13	Low-Voltage Distribution Transformers
26 22 16	Low-Voltage Buck-Boost Transformers
26 22 17	Low-Voltage Transformers for Nonlinear Loads
26 22 18	Low-Voltage Transformers for Load Centers
26 22 19	Control and Signal Transformers
26 23 00	Low-Voltage Switchgear
26 23 13	Paralleling Low-Voltage Switchgear
26 24 00	Switchboards and Panelboards
26 24 13	Switchboards
26 24 16	Panelboards
26 24 16.16	, ,
26 24 19	Motor-Control Centers
26 25 00	Low-Voltage Enclosed Bus Assemblies
26 25 13	Low-Voltage Busways
26 25 16	Low-Voltage Cablebus Systems
26 27 00	Low-Voltage Distribution Equipment
26 27 13	Electricity Metering
26 27 16	Electrical Cabinets and Enclosures
26 27 19	
26 27 23	Indoor Service Poles
26 27 26	
26 27 33	
26 27 73	Door Chimes
26 28 00	Low-Voltage Circuit Protective Devices
26 28 13	Fuses
26 28 13 26 28 16	Fuses Enclosed Switches and Circuit Breakers
26 28 13 26 28 16 26 28 16.13	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers
26 28 13 26 28 16 26 28 16.13 26 28 16.16	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers Enclosed Switches
26 28 13 26 28 16 26 28 16.13 26 28 16.16 26 29 00	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers Enclosed Switches Low-Voltage Controllers
26 28 13 26 28 16 26 28 16.13 26 28 16.16 26 29 00 26 29 13	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers Enclosed Switches Low-Voltage Controllers Enclosed Controllers
26 28 13 26 28 16 26 28 16.13 26 28 16.16 26 29 00 26 29 13 26 29 13.13	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers Enclosed Switches Low-Voltage Controllers Enclosed Controllers Across-the-Line Motor Controllers
26 28 13 26 28 16 26 28 16.13 26 28 16.16 26 29 00 26 29 13	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers Enclosed Switches Low-Voltage Controllers Enclosed Controllers Across-the-Line Motor Controllers Reduced-Voltage Motor Controllers
26 28 13 26 28 16 26 28 16.13 26 28 16.16 26 29 00 26 29 13 26 29 13.13 26 29 13.16	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers Enclosed Switches Low-Voltage Controllers Enclosed Controllers Across-the-Line Motor Controllers
26 28 13 26 28 16 26 28 16.13 26 28 16.16 26 29 00 26 29 13 26 29 13.13 26 29 13.16 26 29 23 26 29 33 26 29 33.13	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers Enclosed Switches Low-Voltage Controllers Enclosed Controllers Across-the-Line Motor Controllers Reduced-Voltage Motor Controllers Variable-Frequency Motor Controllers Controllers for Fire Pump Drivers Full-Service Controllers for Fire Pump Electric-Motor Drivers
26 28 13 26 28 16 26 28 16.13 26 28 16.16 26 29 00 26 29 13 26 29 13.13 26 29 13.16 26 29 23 26 29 33 26 29 33.13 26 29 33.16	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers Enclosed Switches Low-Voltage Controllers Enclosed Controllers Across-the-Line Motor Controllers Reduced-Voltage Motor Controllers Variable-Frequency Motor Controllers Controllers for Fire Pump Drivers Full-Service Controllers for Fire Pump Electric-Motor Drivers Limited-Service Controllers for Fire Pump Electric-Motor Drivers
26 28 13 26 28 16 26 28 16.13 26 28 16.16 26 29 00 26 29 13 26 29 13.13 26 29 13.16 26 29 23 26 29 33 26 29 33.13 26 29 33.16 26 29 33.19	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers Enclosed Switches Low-Voltage Controllers Enclosed Controllers Enclosed Controllers Across-the-Line Motor Controllers Reduced-Voltage Motor Controllers Variable-Frequency Motor Controllers Controllers for Fire Pump Drivers Full-Service Controllers for Fire Pump Electric-Motor Drivers Limited-Service Controllers for Fire Pump Electric-Motor Drivers Controllers for Fire Pump Diesel Engine Drivers
26 28 13 26 28 16 26 28 16.13 26 28 16.16 26 29 00 26 29 13 26 29 13.13 26 29 13.16 26 29 23 26 29 33 26 29 33.13 26 29 33.16	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers Enclosed Switches Low-Voltage Controllers Enclosed Controllers Across-the-Line Motor Controllers Reduced-Voltage Motor Controllers Variable-Frequency Motor Controllers Controllers for Fire Pump Drivers Full-Service Controllers for Fire Pump Electric-Motor Drivers Limited-Service Controllers for Fire Pump Electric-Motor Drivers
26 28 13 26 28 16 26 28 16.13 26 28 16.16 26 29 00 26 29 13 26 29 13.13 26 29 13.16 26 29 23 26 29 33 26 29 33.13 26 29 33.16 26 29 33.19	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers Enclosed Switches Low-Voltage Controllers Enclosed Controllers Enclosed Controllers Across-the-Line Motor Controllers Reduced-Voltage Motor Controllers Variable-Frequency Motor Controllers Controllers for Fire Pump Drivers Full-Service Controllers for Fire Pump Electric-Motor Drivers Limited-Service Controllers for Fire Pump Electric-Motor Drivers Controllers for Fire Pump Diesel Engine Drivers Facility Electrical Power Generating and
26 28 13 26 28 16 26 28 16.13 26 28 16.16 26 29 00 26 29 13 26 29 13.13 26 29 13.16 26 29 23 26 29 33 26 29 33.13 26 29 33.16 26 29 33.19 26 30 00	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers Enclosed Switches Low-Voltage Controllers Enclosed Controllers Across-the-Line Motor Controllers Reduced-Voltage Motor Controllers Variable-Frequency Motor Controllers Controllers for Fire Pump Drivers Full-Service Controllers for Fire Pump Electric-Motor Drivers Limited-Service Controllers for Fire Pump Electric-Motor Drivers Controllers for Fire Pump Diesel Engine Drivers Facility Electrical Power Generating and Storing Equipment
26 28 13 26 28 16 26 28 16.13 26 28 16.16 26 29 00 26 29 13 26 29 13.13 26 29 13.16 26 29 23 26 29 33 26 29 33.13 26 29 33.16 26 29 33.19 26 30 00	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers Enclosed Switches Low-Voltage Controllers Enclosed Controllers Across-the-Line Motor Controllers Reduced-Voltage Motor Controllers Variable-Frequency Motor Controllers Controllers for Fire Pump Drivers Full-Service Controllers for Fire Pump Electric-Motor Drivers Limited-Service Controllers for Fire Pump Electric-Motor Drivers Controllers for Fire Pump Diesel Engine Drivers Facility Electrical Power Generating and Storing Equipment Photovoltaic Collectors
26 28 13 26 28 16 26 28 16.13 26 28 16.16 26 29 00 26 29 13 26 29 13.13 26 29 13.16 26 29 23 26 29 33 26 29 33.13 26 29 33.19 26 30 00 26 31 00 26 32 00	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers Enclosed Switches Low-Voltage Controllers Enclosed Controllers Across-the-Line Motor Controllers Reduced-Voltage Motor Controllers Variable-Frequency Motor Controllers Controllers for Fire Pump Drivers Full-Service Controllers for Fire Pump Electric-Motor Drivers Limited-Service Controllers for Fire Pump Electric-Motor Drivers Controllers for Fire Pump Diesel Engine Drivers Facility Electrical Power Generating and Storing Equipment Photovoltaic Collectors Packaged Generator Assemblies
26 28 13 26 28 16 26 28 16.13 26 28 16.16 26 29 00 26 29 13 26 29 13.13 26 29 13.16 26 29 23 26 29 33 26 29 33.13 26 29 33.19 26 30 00 26 31 00 26 32 00 26 32 13	Fuses Enclosed Switches and Circuit Breakers Enclosed Switches Low-Voltage Controllers Enclosed Controllers Enclosed Controllers Across-the-Line Motor Controllers Reduced-Voltage Motor Controllers Variable-Frequency Motor Controllers Controllers for Fire Pump Drivers Full-Service Controllers for Fire Pump Electric-Motor Drivers Limited-Service Controllers for Fire Pump Electric-Motor Drivers Controllers for Fire Pump Diesel Engine Drivers Facility Electrical Power Generating and Storing Equipment Photovoltaic Collectors Packaged Generator Assemblies Engine Generators
26 28 13 26 28 16 26 28 16.13 26 28 16.16 26 29 00 26 29 13 26 29 13.13 26 29 13.16 26 29 23 26 29 33 26 29 33.13 26 29 33.19 26 30 00 26 31 00 26 32 00 26 32 13 26 28 13.13	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers Enclosed Switches Low-Voltage Controllers Enclosed Controllers Across-the-Line Motor Controllers Reduced-Voltage Motor Controllers Variable-Frequency Motor Controllers Controllers for Fire Pump Drivers Full-Service Controllers for Fire Pump Electric-Motor Drivers Limited-Service Controllers for Fire Pump Electric-Motor Drivers Controllers for Fire Pump Diesel Engine Drivers Facility Electrical Power Generating and Storing Equipment Photovoltaic Collectors Packaged Generator Assemblies Engine Generators Diesel-Engine-Driven Generator Sets
26 28 13 26 28 16.13 26 28 16.16 26 29 00 26 29 13.13 26 29 13.16 26 29 23 26 29 33.13 26 29 33.13 26 29 33.19 26 30 00 26 31 00 26 32 13 26 32 13.13 26 32 13.16	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers Enclosed Switches Low-Voltage Controllers Enclosed Controllers Enclosed Controllers Across-the-Line Motor Controllers Reduced-Voltage Motor Controllers Variable-Frequency Motor Controllers Controllers for Fire Pump Drivers Full-Service Controllers for Fire Pump Electric-Motor Drivers Limited-Service Controllers for Fire Pump Electric-Motor Drivers Controllers for Fire Pump Diesel Engine Drivers Facility Electrical Power Generating and Storing Equipment Photovoltaic Collectors Packaged Generator Assemblies Engine Generators Diesel-Engine-Driven Generator Sets Gas-Engine-Driven Generator Sets
26 28 13 26 28 16 26 28 16.13 26 28 16.16 26 29 00 26 29 13 26 29 13.13 26 29 13.16 26 29 23 26 29 33 26 29 33.13 26 29 33.19 26 30 00 26 31 00 26 32 00 26 32 13 26 28 13.13	Fuses Enclosed Switches and Circuit Breakers Enclosed Circuit Breakers Enclosed Switches Low-Voltage Controllers Enclosed Controllers Across-the-Line Motor Controllers Reduced-Voltage Motor Controllers Variable-Frequency Motor Controllers Controllers for Fire Pump Drivers Full-Service Controllers for Fire Pump Electric-Motor Drivers Limited-Service Controllers for Fire Pump Electric-Motor Drivers Controllers for Fire Pump Diesel Engine Drivers Facility Electrical Power Generating and Storing Equipment Photovoltaic Collectors Packaged Generator Assemblies Engine Generators Diesel-Engine-Driven Generator Sets

26 32 23 26 32 23.13	Wind Energy Equipment Horizontal-Axis Wind Turbines
26 32 23.16	Vertical-Axis Wind Turbines
26 32 26	Frequency Changers
26 32 29	Rotary Converters
26 32 33	Rotary Uninterruptible Power Units
26 32 36	Resistive Load Banks
26 33 00	Battery Equipment
26 33 13	Batteries
26 33 16	Battery Racks
26 33 19	Battery Units
26 33 23	Central Battery Equipment
26 33 23.13	Central Battery Equipment for Emergency Lighting
26 33 33	Static Power Converters
26 33 43 26 33 46	Battery Chargers Battery Monitoring
26 33 53	Static Uninterruptible Power Supply
26 35 00	Power Filters and Conditioners
26 35 13 26 35 16	Capacitors Chokes and Inductors
26 35 23	Electromagnetic-Interference Filters
26 35 26	Harmonic Filters
26 35 33	Power Factor Correction Equipment
26 35 33.13	Medium-Voltage Power Factor Correction Equipment
26 35 33.16	Low-Voltage Power Factor Correction Equipment
26 35 36	Slip Controllers
26 35 43	Static-Frequency Converters
26 35 46	Radio-Frequency-Interference Filters
26 35 53	Voltage Regulators
26 36 00	Transfer Switches
26 36 13	Manual Transfer Switches
26 36 23	Automatic Transfer Switches
26 40 00	Electrical Protection
26 41 00	Facility Lightning Protection
26 41 13	Lightning Protection for Structures
26 41 13.13	Lightning Protection for Buildings
26 41 16	Lightning Prevention and Dissipation
26 41 19	Early Streamer Emission Lightning Protection
26 41 23	Lightning Protection Surge Arresters and Suppressors
26 43 00	Surge Protective Devices
26 43 13	Surge Protective Devices for Low-Voltage Electrical Power Circuits
26 50 00	Lighting
26 51 00	Interior Lighting
26 51 13	Incandescent Interior Lighting
26 51 16	Fluorescent Interior Lighting
26 51 19	LED Interior Lighting
26 51 23	HID Interior Lighting
26 52 00	Safety Lighting

26 52 13 26 52 13.13	Emergency and Exit Lighting Emergency Lighting
26 52 13.16 26 54 00	Exit Signs Closeified Location Lighting
26 54 00 26 54 13	Classified Location Lighting Incandescent Classified Location Lighting
26 54 15 26 54 16	Fluorescent Classified Location Lighting
26 54 19	LED Classified Location Lighting
26 55 00	Special Purpose Lighting
26 55 23	Outline Lighting
26 55 29	Underwater Lighting
26 55 33	Hazard Warning Lighting
26 55 36	Obstruction Lighting
26 55 39	Helipad Lighting
26 55 53	Security Lighting
26 55 59 26 55 61	Display Lighting
26 55 61 26 55 63	Theatrical Lighting Detention Lighting
26 55 68	Athletic Field Lighting
26 55 70	Healthcare Lighting
26 55 83	Broadcast Lighting
26 56 00	Exterior Lighting
26 56 13	Lighting Poles and Standards
26 56 17	Fluorescent Exterior Lighting
26 56 18	Incandescent Exterior Lighting
26 56 19	LED Exterior Lighting
26 56 21	HID Exterior Lighting
27 00 00	Communications
27 01 00	Operation and Maintenance of Communications
	Systems
27 01 10	Operation and Maintenance of Structured Cabling and Enclosures
27 01 20	Operation and Maintenance of Data Communications
27 01 30	Operation and Maintenance of Voice Communications
27 01 40 27 01 50	Operation and Maintenance of Audio-Video Communications Operation and Maintenance of Distributed Communications and Monitoring
27 05 00	Common Work Results for Communications
27 05 00	Selective Demolition for Communications
27 05 05 27 05 11	Cameras for Audio-Visual Systems
27 05 11	Communications Services
27 05 13.13	Dialtone Services
27 05 13.23	T1 Services
27 05 13.33	DSL Services Cable Services
27 05 13.43 27 05 13.53	Satellite Services
27 05 26	Grounding and Bonding for Communications Systems
27 05 28	Pathways for Communications Systems
27 05 29	Hangers and Supports for Communications Systems
27 05 33	Conduits and Backboxes for Communications Systems
27 05 36	Cable Trays for Communications Systems
27 05 39	Surface Raceways for Communications Systems

	27 05 43 27 05 44 27 05 46 27 05 48	Underground Ducts and Raceways for Communications Systems Sleeves and Sleeve Seals for Communications Pathways and Cabling Utility Poles for Communications Systems Vibration and Seismic Controls for Communications Systems
	27 05 48.16 27 05 53	Seismic Controls for Communications Systems Identification for Communications Systems
27	06 00	Schedules for Communications
4 1	27 06 10	Schedules for Structured Cabling and Enclosures
	27 06 10	Schedules for Data Communications
	27 06 20	Schedules for Voice Communications
	27 06 40	Schedules for Audio-Video Communications
	27 06 50	Schedules for Distributed Communications and Monitoring
27	08 00	Commissioning of Communications
	10 00	Structured Cabling
	11 00	<u> </u>
Z I	27 11 13	Communications Equipment Room Fittings Communications Entrance Protection
	27 11 16	Communications Cabinets, Racks, Frames, and Enclosures
	27 11 19	Communications Termination Blocks and Patch Panels
	27 11 23	Communications Cable Management and Ladder Rack
	27 11 26	Communications Rack Mounted Power Protection and Power Strips
27	13 00	Communications Backbone Cabling
	27 13 13	Communications Copper Backbone Cabling
	27 13 13.13	Communications Copper Cable Splicing and Terminations
	27 13 23	Communications Optical Fiber Backbone Cabling
	27 13 23.13	Communications Optical Fiber Splicing and Terminations
	27 13 33	Communications Coaxial Backbone Cabling
	27 13 33.13 27 13 43	Communications Coaxial Splicing and Terminations Communications Services Cabling
	27 13 43.13	Dialtone Services Cabling
	27 13 43.23	T1 Services Cabling
	27 13 43.33	DSL Services Cabling
	27 13 43.43	Cable Services Cabling
07	27 13 43.53	Satellite Services Cabling
21	15 00	Communications Horizontal Cabling
	27 15 01 27 15 01.11	Communications Horizontal Cabling Applications Conductors and Cables for Electronic Safety and Security
	27 15 01.11	Video Surveillance Communications Conductors and Cables
	27 15 01.15	Access Control Communications Conductors and Cables
	27 15 01.16	Voice Communications Horizontal Cabling
	27 15 01.17	Intrusion Detection Communications Conductors and Cables
	27 15 01.19 27 15 01.23	Fire Alarm Communications Conductors and Cables
	27 15 01.23	Audio-Video Communications Horizontal Cabling Patient Monitoring and Telemetry Communications Horizontal Cabling
	27 15 01.43	Nurse Call and Intercom Communications Horizontal Cabling
	27 15 01.46	Paging Communications Horizontal Cabling
	27 15 01.49	Intermediate Frequency/Radio Frequency Communications Horizontal Cabling
	27 15 01.53 27 15 13	Antennas Communications Horizontal Cabling
	27 15 13 27 15 23	Communications Copper Horizontal Cabling Communications Optical Fiber Horizontal Cabling
	27 15 23	Communications Coaxial Horizontal Cabling
	27 15 43	Communications Faceplates and Connectors

27 16 00	Communications Connecting Cords, Devices, and Adapters
27 16 13	Communications Custom Cable Assemblies
27 16 16	Communications Media Converters, Adapters, and Transceivers
27 16 19	Communications Patch Cords, Station Cords, and Cross Connect Wire
27 20 00	Data Communications
27 21 00	Data Communications Network Equipment
27 21 13	Data Communications Firewalls
27 21 16	Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems
27 21 26	Data Communications Network Management
27 21 29	Data Communications Switches and Hubs
27 21 33	Data Communications Wireless Access Points
27 22 00	Data Communications Hardware
27 22 13	Data Communications Mainframes
27 22 16	Data Communications Storage and Backup
27 22 19	Data Communications Servers
27 22 23	Data Communications Desktops
27 22 26	Data Communications Laptops
27 22 29	Data Communications Handhelds
27 24 00	Data Communications Peripheral Data Equipment
27 24 13	Printers
27 24 16	Scanners
27 24 19	External Drives
27 24 23	Audio-Video Devices
27 24 26	Virtual Reality Equipment
27 24 29	Disaster Recovery Equipment
27 25 00	Data Communications Software
27 25 13	Virus Protection Software
27 25 16	Application Suites
27 25 19	Email Software
27 25 23	Graphics/Multimedia Software
27 25 26	Customer Relationship Management Software
27 25 29	Operating System Software
27 25 33	Database Software
27 25 37	Virtual Private Network Software
27 25 39	Internet Conferencing Software
27 26 00	Data Communications Programming and Integration
	Services
27 26 13	Web Development
27 26 16	Database Development
27 26 19	Application Development
27 26 23	Network Integration Requirements
27 26 26	Data Communications Integration Requirements
27 30 00	Voice Communications
27 31 00	Voice Communications Switching and Routing
	Equipment

27 31 13	PBX/ Key Systems
27 31 23	Internet Protocol Voice Switches
27 32 00	Voice Communications Terminal Equipment
27 32 13	Telephone Sets
27 32 16	Wireless Transceivers
27 32 23	Elevator Telephones
27 32 26	Ring-Down Emergency Telephones
27 32 29	Facsimiles and Modems
27 32 36	TTY Equipment
27 32 43	Radio Communications Equipment
27 33 00	Voice Communications Messaging
27 33 16	Voice Mail and Auto Attendant
27 33 23 27 33 26	Interactive Voice Response Facsimile Servers
27 34 00	
	Call Accounting
27 34 13 27 34 16	Toll Fraud Equipment and Software Telemanagement Software
27 35 00	· · · · · · · · · · · · · · · · · · ·
27 35 00	Call Management Digital Voice Announcers
27 35 15 27 35 16	Automatic Call Distributors
27 35 10	Call Status and Management Displays
27 35 23	Dedicated 911 Systems
27 40 00	Audio-Video Communications
27 41 00	Audio-Video Systems
27 41 13	Architecturally Integrated Audio-Video Equipment
27 41 13 27 41 16	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment
27 41 13	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment Integrated Audio-Video Systems and Equipment for Restaurants and Bars
27 41 13 27 41 16 27 41 16.25 27 41 16.28 27 41 16.29	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment Integrated Audio-Video Systems and Equipment for Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms
27 41 13 27 41 16 27 41 16.25 27 41 16.28 27 41 16.29 27 41 16.51	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment Integrated Audio-Video Systems and Equipment for Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms Integrated Audio-Video Systems and Equipment for Classrooms
27 41 13 27 41 16 27 41 16.25 27 41 16.28 27 41 16.29 27 41 16.51 27 41 16.52	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment Integrated Audio-Video Systems and Equipment for Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms Integrated Audio-Video Systems and Equipment for Classrooms Integrated Audio-Video Systems and Equipment for Religious Facilities
27 41 13 27 41 16 27 41 16.25 27 41 16.28 27 41 16.29 27 41 16.51 27 41 16.52 27 41 16.61	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment Integrated Audio-Video Systems and Equipment for Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms Integrated Audio-Video Systems and Equipment for Classrooms Integrated Audio-Video Systems and Equipment for Religious Facilities Integrated Audio-Video Systems and Equipment for Theaters
27 41 13 27 41 16 27 41 16.25 27 41 16.28 27 41 16.29 27 41 16.51 27 41 16.52	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment Integrated Audio-Video Systems and Equipment for Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms Integrated Audio-Video Systems and Equipment for Classrooms Integrated Audio-Video Systems and Equipment for Religious Facilities Integrated Audio-Video Systems and Equipment for Theaters Integrated Audio-Video Systems and Equipment for Auditoriums
27 41 13 27 41 16 27 41 16.25 27 41 16.28 27 41 16.51 27 41 16.51 27 41 16.61 27 41 16.61	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment Integrated Audio-Video Systems and Equipment for Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms Integrated Audio-Video Systems and Equipment for Classrooms Integrated Audio-Video Systems and Equipment for Religious Facilities Integrated Audio-Video Systems and Equipment for Theaters
27 41 13 27 41 16 27 41 16.25 27 41 16.28 27 41 16.51 27 41 16.51 27 41 16.61 27 41 16.62 27 41 16.63 27 41 19 27 41 23	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment Integrated Audio-Video Systems and Equipment for Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms Integrated Audio-Video Systems and Equipment for Classrooms Integrated Audio-Video Systems and Equipment for Religious Facilities Integrated Audio-Video Systems and Equipment for Theaters Integrated Audio-Video Systems and Equipment for Auditoriums Integrated Audio-Video Systems and Equipment for Stadiums and Arenas
27 41 13 27 41 16 27 41 16.25 27 41 16.28 27 41 16.51 27 41 16.52 27 41 16.61 27 41 16.62 27 41 16.63 27 41 19 27 41 23 27 41 33	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment for Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms Integrated Audio-Video Systems and Equipment for Classrooms Integrated Audio-Video Systems and Equipment for Religious Facilities Integrated Audio-Video Systems and Equipment for Theaters Integrated Audio-Video Systems and Equipment for Auditoriums Integrated Audio-Video Systems and Equipment for Stadiums and Arenas Portable Audio-Video Equipment Audio-Video Accessories Master Antenna Television Systems
27 41 13 27 41 16 27 41 16.25 27 41 16.28 27 41 16.51 27 41 16.52 27 41 16.61 27 41 16.62 27 41 16.63 27 41 19 27 41 23 27 41 33 27 41 43	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment for Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms Integrated Audio-Video Systems and Equipment for Classrooms Integrated Audio-Video Systems and Equipment for Religious Facilities Integrated Audio-Video Systems and Equipment for Theaters Integrated Audio-Video Systems and Equipment for Auditoriums Integrated Audio-Video Systems and Equipment for Stadiums and Arenas Portable Audio-Video Equipment Audio-Video Accessories Master Antenna Television Systems Audio-Video Conferencing
27 41 13 27 41 16 27 41 16.25 27 41 16.28 27 41 16.51 27 41 16.52 27 41 16.61 27 41 16.62 27 41 16.63 27 41 19 27 41 23 27 41 33	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment for Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms Integrated Audio-Video Systems and Equipment for Classrooms Integrated Audio-Video Systems and Equipment for Religious Facilities Integrated Audio-Video Systems and Equipment for Theaters Integrated Audio-Video Systems and Equipment for Auditoriums Integrated Audio-Video Systems and Equipment for Stadiums and Arenas Portable Audio-Video Equipment Audio-Video Accessories Master Antenna Television Systems Audio-Video Conferencing Electronic Digital Systems
27 41 13 27 41 16 27 41 16.25 27 41 16.28 27 41 16.51 27 41 16.52 27 41 16.61 27 41 16.62 27 41 16.63 27 41 19 27 41 23 27 41 33 27 41 43 27 42 00 27 42 13	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment for Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms Integrated Audio-Video Systems and Equipment for Classrooms Integrated Audio-Video Systems and Equipment for Religious Facilities Integrated Audio-Video Systems and Equipment for Theaters Integrated Audio-Video Systems and Equipment for Auditoriums Integrated Audio-Video Systems and Equipment for Stadiums and Arenas Portable Audio-Video Equipment Audio-Video Accessories Master Antenna Television Systems Audio-Video Conferencing Electronic Digital Systems Point of Sale Systems
27 41 13 27 41 16 27 41 16.25 27 41 16.28 27 41 16.29 27 41 16.51 27 41 16.61 27 41 16.62 27 41 16.63 27 41 19 27 41 23 27 41 33 27 41 43 27 42 13 27 42 16	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment or Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms Integrated Audio-Video Systems and Equipment for Classrooms Integrated Audio-Video Systems and Equipment for Religious Facilities Integrated Audio-Video Systems and Equipment for Theaters Integrated Audio-Video Systems and Equipment for Auditoriums Integrated Audio-Video Systems and Equipment for Stadiums and Arenas Portable Audio-Video Equipment Audio-Video Accessories Master Antenna Television Systems Audio-Video Conferencing Electronic Digital Systems Point of Sale Systems Transportation Information Display Systems
27 41 13 27 41 16 27 41 16.25 27 41 16.28 27 41 16.29 27 41 16.51 27 41 16.61 27 41 16.62 27 41 16.63 27 41 19 27 41 23 27 41 33 27 41 33 27 41 43 27 42 16 27 42 16 27 42 19	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment Integrated Audio-Video Systems and Equipment for Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms Integrated Audio-Video Systems and Equipment for Classrooms Integrated Audio-Video Systems and Equipment for Religious Facilities Integrated Audio-Video Systems and Equipment for Theaters Integrated Audio-Video Systems and Equipment for Auditoriums Integrated Audio-Video Systems and Equipment for Stadiums and Arenas Portable Audio-Video Equipment Audio-Video Accessories Master Antenna Television Systems Audio-Video Conferencing Electronic Digital Systems Point of Sale Systems Transportation Information Display Systems Public Information Systems
27 41 13 27 41 16 27 41 16.25 27 41 16.28 27 41 16.29 27 41 16.51 27 41 16.61 27 41 16.62 27 41 16.63 27 41 19 27 41 23 27 41 33 27 41 43 27 42 13 27 42 16	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment or Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms Integrated Audio-Video Systems and Equipment for Classrooms Integrated Audio-Video Systems and Equipment for Religious Facilities Integrated Audio-Video Systems and Equipment for Theaters Integrated Audio-Video Systems and Equipment for Auditoriums Integrated Audio-Video Systems and Equipment for Stadiums and Arenas Portable Audio-Video Equipment Audio-Video Accessories Master Antenna Television Systems Audio-Video Conferencing Electronic Digital Systems Point of Sale Systems Transportation Information Display Systems
27 41 13 27 41 16 27 41 16.25 27 41 16.28 27 41 16.29 27 41 16.51 27 41 16.61 27 41 16.62 27 41 16.63 27 41 19 27 41 23 27 41 33 27 41 33 27 41 43 27 42 16 27 42 16 27 42 19	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment Integrated Audio-Video Systems and Equipment for Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms Integrated Audio-Video Systems and Equipment for Classrooms Integrated Audio-Video Systems and Equipment for Religious Facilities Integrated Audio-Video Systems and Equipment for Theaters Integrated Audio-Video Systems and Equipment for Auditoriums Integrated Audio-Video Systems and Equipment for Stadiums and Arenas Portable Audio-Video Equipment Audio-Video Accessories Master Antenna Television Systems Audio-Video Conferencing Electronic Digital Systems Transportation Information Display Systems Public Information Systems Distributed Communications and
27 41 13 27 41 16.25 27 41 16.28 27 41 16.29 27 41 16.51 27 41 16.61 27 41 16.62 27 41 16.63 27 41 19 27 41 23 27 41 33 27 41 33 27 41 43 27 42 00 27 42 16 27 42 19 27 50 00	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment Integrated Audio-Video Systems and Equipment for Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms Integrated Audio-Video Systems and Equipment for Classrooms Integrated Audio-Video Systems and Equipment for Religious Facilities Integrated Audio-Video Systems and Equipment for Theaters Integrated Audio-Video Systems and Equipment for Auditoriums Integrated Audio-Video Systems and Equipment for Stadiums and Arenas Portable Audio-Video Systems and Equipment for Stadiums and Arenas Portable Audio-Video Equipment Audio-Video Accessories Master Antenna Television Systems Audio-Video Conferencing Electronic Digital Systems Point of Sale Systems Transportation Information Display Systems Public Information Systems Distributed Communications and Monitoring Systems
27 41 13 27 41 16.25 27 41 16.28 27 41 16.29 27 41 16.51 27 41 16.52 27 41 16.61 27 41 16.63 27 41 19 27 41 23 27 41 33 27 41 33 27 41 43 27 42 10 27 42 13 27 42 16 27 42 19 27 50 00	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment Integrated Audio-Video Systems and Equipment for Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms Integrated Audio-Video Systems and Equipment for Classrooms Integrated Audio-Video Systems and Equipment for Religious Facilities Integrated Audio-Video Systems and Equipment for Theaters Integrated Audio-Video Systems and Equipment for Auditoriums Integrated Audio-Video Systems and Equipment for Stadiums and Arenas Portable Audio-Video Equipment Audio-Video Accessories Master Antenna Television Systems Audio-Video Conferencing Electronic Digital Systems Point of Sale Systems Transportation Information Display Systems Public Information Systems Distributed Communications and Monitoring Systems Distributed Audio-Video Communications Systems
27 41 13 27 41 16.25 27 41 16.28 27 41 16.29 27 41 16.51 27 41 16.61 27 41 16.62 27 41 16.63 27 41 19 27 41 23 27 41 33 27 41 33 27 41 43 27 42 00 27 42 16 27 42 19 27 50 00	Architecturally Integrated Audio-Video Equipment Integrated Audio-Video Systems and Equipment Integrated Audio-Video Systems and Equipment for Restaurants and Bars Integrated Audio-Video Systems and Equipment for Conference Rooms Integrated Audio-Video Systems and Equipment for Board Rooms Integrated Audio-Video Systems and Equipment for Classrooms Integrated Audio-Video Systems and Equipment for Religious Facilities Integrated Audio-Video Systems and Equipment for Theaters Integrated Audio-Video Systems and Equipment for Auditoriums Integrated Audio-Video Systems and Equipment for Stadiums and Arenas Portable Audio-Video Equipment Audio-Video Accessories Master Antenna Television Systems Audio-Video Conferencing Electronic Digital Systems Point of Sale Systems Transportation Information Display Systems Public Information Systems Distributed Communications and Monitoring Systems Distributed Audio-Video Communications Systems Paging Systems

	27 51 19 27 51 23 27 51 23.20 27 51 23.30 27 51 23.50 27 51 23.63 27 51 23.70	Sound Masking Systems Intercommunications and Program Systems Commercial Intercommunications and Program Systems Residential Intercommunications and Program Systems Educational Intercommunications and Program Systems Detention Intercommunications and Program Systems Healthcare Intercommunications and Program Systems
	27 51 26	Assistive Listening Systems
	27 51 29	Emergency Communications Systems
27 5	52 00	Healthcare Communications and Monitoring Systems
	27 52 13	Patient Monitoring and Telemetry Systems
	27 52 16	Telemedicine Systems
	27 52 19	Healthcare Imaging Systems
	27 52 23	Nurse Call/Code Blue Systems
27 :	53 00	Distributed Systems
	27 53 13	Clock Systems
	27 53 13.13	Wireless Clock Systems
	27 53 16	Infrared and Radio Frequency Tracking Systems
	27 53 19	Internal Cellular, Paging, and Antenna Systems
28	00 00	Electronic Safety and Security
28 (01 00	Operation and Maintenance of Electronic Safety and
		Security
	28 01 10	Operation and Maintenance of Access Control
	28 01 10.51	Maintenance and Administration of Access Control
	28 01 10.71	Revisions and Upgrades of Access Control
	28 01 20	Operation and Maintenance of Video Surveillance
	28 01 20.51	Maintenance and Administration of Video Surveillance
	28 01 20.71	Revisions and Upgrades of Video Surveillance
	28 01 30	Operation and Maintenance of Security Detection, Alarm, and Monitoring
	28 01 30.51	Maintenance and Administration of Security Detection, Alarm, and Monitoring
	28 01 30.71 28 01 50	Revisions and Upgrades of Security Detection, Alarm, and Monitoring Operation and Maintenance of Specialized Systems
	28 01 50.51	Maintenance and Administration of Specialized Systems
	28 01 50.71	Revisions and Upgrades of Specialized Systems
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28 05 09	Surge Protection for Electronic Safety and Security
28 05 09.11	Surge Protection for Access Control
28 05 09.13	Surge Protection for Video Surveillance
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28 05 13.11	General Requirements for Servers, Workstations and Storage
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28 05 19.11	Digital Video Recorders
28 05 19.13	Hybrid Digital Video Recorders
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28 05 23	Storage Area Network for Electronic Safety and Security
28 05 25	Cloud Based Storage for Electronic Safety and Security
28 05 27	Archival Systems for Electronic Safety and Security
28 05 27.11	Digital Tape Storage
28 05 27.13	Storage Media
28 05 29	Storage Management Software for Electronic Safety and Security
28 05 31	Communications Equipment for Electronic Safety and Security
28 05 33	Safety and Security Network Communications Equipment
28 05 33.11	Security Data Communications Firewalls
28 05 33.13	Security Data Communications Routers
28 05 33.15	Security Data Communications Power-Over-Ethernet Switches
28 05 33.17	Security Data Communications Non-Power-Over-Ethernet Switches
28 05 33.19	Security Data Communications Media Converters
28 05 35	Security Data Communications Wireless Transmission Equipment
28 05 35.11	Microwave Transmission Equipment
28 05 37	Security Voice Communications -Distributed Antenna System
28 05 37.11	Bi-Directional Amplifiers
28 05 37.13	Repeaters
28 05 37.15	Remote Repeaters
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28 05 39.11	Donor Antennas
28 05 39.13	Multi-Band Antennas
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28 17 00	Access Control Identification Management Systems
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28 21 00	Surveillance Cameras
28 21 11	Analog Camera
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28 21 17	Camera Housings
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28 23 11	Video Management System Analytics
28 23 13	Video Management System Interfaces
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28 30 00	Security Detection, Alarm, and Monitoring

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28 43 15	Fuel Oil Detection Sensors
28 44 00	Refrigerant Detection and Alarm
28 44 11	Refrigerant Detection and Alarm Control, Gui, and Logic Systems
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28 45 00	Water Detection and Alarm
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28 46 12.11	Fire Alarm Level Detector Switches
28 46 12.15	Fire Alarm Flow Switches
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28 47 21.25	Notification Interfaces to Emergency Response Systems
28 47 21.27	Notification Interfaces to Network and Facilities Monitoring
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28 48 23	Computer Aided Dispatch
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28 49 00	Electronic Personal Protection Systems
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28 51 00 28 51 11 28 51 13 28 51 15 28 51 15.11 28 51 15.13 28 51 15.15 28 51 15.17 28 51 15.19 28 51 15.21	Information Management & Presentation Information Management & Presentation Architecture Data and Information Management Information Interfaces to Connected Subsystems Information Interfaces to Access Control Systems Information Interfaces to Video Surveillance Systems Information Interfaces to Security Detection, Alarm, and Monitoring Information Interfaces to Security Monitoring and Control Information Interfaces to Mass Notification Systems Information Interfaces to Life Safety Systems
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28 51 00 28 51 11 28 51 13 28 51 15 28 51 15.11 28 51 15.13 28 51 15.15 28 51 15.17 28 51 15.17 28 51 15.21 28 51 15.21 28 51 15.23 28 51 15.25 28 51 15.27	Information Management & Presentation Information Management & Presentation Architecture Data and Information Management Information Interfaces to Connected Subsystems Information Interfaces to Access Control Systems Information Interfaces to Video Surveillance Systems Information Interfaces to Security Detection, Alarm, and Monitoring Information Interfaces to Security Monitoring and Control Information Interfaces to Mass Notification Systems Information Interfaces to Life Safety Systems Information Interfaces to Fire Detection and Alarm Information Interfaces to Detention Systems Information Interfaces to Emergency Response Systems
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28 51 00 28 51 11 28 51 13 28 51 15 28 51 15.11 28 51 15.13 28 51 15.15 28 51 15.17 28 51 15.19 28 51 15.21 28 51 15.23 28 51 15.23 28 51 15.25 28 51 15.27 28 51 15.27 28 51 15.23 28 51 15.23 28 51 15.31 28 51 15.33	Information Management & Presentation Information Management & Presentation Architecture Data and Information Management Information Interfaces to Connected Subsystems Information Interfaces to Access Control Systems Information Interfaces to Video Surveillance Systems Information Interfaces to Security Detection, Alarm, and Monitoring Information Interfaces to Security Monitoring and Control Information Interfaces to Mass Notification Systems Information Interfaces to Life Safety Systems Information Interfaces to Fire Detection and Alarm Information Interfaces to Detention Systems Information Interfaces to Emergency Response Systems Information Interfaces to License Plate Recognition Systems Information Interfaces to Facial Recognition Systems Information Interfaces to Remote Data Structures
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28 51 00 28 51 11 28 51 13 28 51 15 28 51 15.11 28 51 15.15 28 51 15.17 28 51 15.17 28 51 15.21 28 51 15.21 28 51 15.23 28 51 15.25 28 51 15.27 28 51 15.31 28 51 15.31 28 51 15.33 28 51 15.35 28 51 15.37 28 51 15.37 28 51 15.37 28 51 15.37 28 51 15.43 28 51 15.43	Information Management & Presentation Information Management & Presentation Architecture Data and Information Management Information Interfaces to Connected Subsystems Information Interfaces to Access Control Systems Information Interfaces to Video Surveillance Systems Information Interfaces to Security Detection, Alarm, and Monitoring Information Interfaces to Security Monitoring and Control Information Interfaces to Mass Notification Systems Information Interfaces to Life Safety Systems Information Interfaces to Fire Detection and Alarm Information Interfaces to Detention Systems Information Interfaces to Emergency Response Systems Information Interfaces to Eacial Recognition Systems Information Interfaces to Remote Data Structures Information Interfaces to Network and Facilities Monitoring Information Interfaces to Web Intelligence Information Interfaces to Traffic Management and Monitoring Systems Information Interfaces to Environmental Monitoring Systems Information Interfaces to Directly Connected Sensors
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28 51 00 28 51 11 28 51 13 28 51 15.11 28 51 15.13 28 51 15.15 28 51 15.17 28 51 15.17 28 51 15.21 28 51 15.21 28 51 15.23 28 51 15.25 28 51 15.27 28 51 15.27 28 51 15.31 28 51 15.31 28 51 15.33 28 51 15.35 28 51 15.37 28 51 15.37 28 51 15.37 28 51 15.47 28 51 15.47 28 51 15.47 28 51 15.47	Information Management & Presentation Information Management & Presentation Architecture Data and Information Management Information Interfaces to Connected Subsystems Information Interfaces to Access Control Systems Information Interfaces to Video Surveillance Systems Information Interfaces to Security Detection, Alarm, and Monitoring Information Interfaces to Security Monitoring and Control Information Interfaces to Mass Notification Systems Information Interfaces to Life Safety Systems Information Interfaces to Fire Detection and Alarm Information Interfaces to Detention Systems Information Interfaces to Emergency Response Systems Information Interfaces to License Plate Recognition Systems Information Interfaces to Remote Data Structures Information Interfaces to Network and Facilities Monitoring Information Interfaces to Web Intelligence Information Interfaces to Traffic Management and Monitoring Systems Information Interfaces to Environmental Monitoring Systems Information Interfaces to Directly Connected Sensors Information Interfaces to Other Safety and Security Subsystems Information Interfaces to Other External Subsystems
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	28 52 13	Detention Interfaces to Connected Subsystems
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31	00 00	Earthwork
	01 00	Maintenance of Earthwork
	01 00 31 01 10	Maintenance of Earthwork Maintenance of Clearing
	01 00 31 01 10 31 01 20	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving
	01 00 31 01 10 31 01 20 31 01 40	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning
	01 00 31 01 10 31 01 20	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection
	01 00 31 01 10 31 01 20 31 01 40 31 01 50	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning
	01 00 31 01 10 31 01 20 31 01 40 31 01 50 31 01 60	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection Maintenance of Special Foundations and Load Bearing Elements
	01 00 31 01 10 31 01 20 31 01 40 31 01 50 31 01 60 31 01 62	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection Maintenance of Special Foundations and Load Bearing Elements Maintenance of Driven Piles Driven Pile Repairs Maintenance of Bored and Augered Piles
	01 00 31 01 10 31 01 20 31 01 40 31 01 50 31 01 60 31 01 62 31 01 62.61 31 01 63 31 01 63.61	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection Maintenance of Special Foundations and Load Bearing Elements Maintenance of Driven Piles Driven Pile Repairs Maintenance of Bored and Augered Piles Bored and Augered Pile Repairs
	01 00 31 01 10 31 01 20 31 01 40 31 01 50 31 01 60 31 01 62 31 01 62.61 31 01 63 31 01 63.61 31 01 70	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection Maintenance of Special Foundations and Load Bearing Elements Maintenance of Driven Piles Driven Pile Repairs Maintenance of Bored and Augered Piles Bored and Augered Pile Repairs Maintenance of Tunneling and Mining
31	01 00 31 01 10 31 01 20 31 01 40 31 01 50 31 01 62 31 01 62 31 01 63 31 01 63.61 31 01 70 31 01 70.61	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection Maintenance of Special Foundations and Load Bearing Elements Maintenance of Driven Piles Driven Pile Repairs Maintenance of Bored and Augered Piles Bored and Augered Pile Repairs Maintenance of Tunneling and Mining Tunnel Leak Repairs
31	01 00 31 01 10 31 01 20 31 01 40 31 01 50 31 01 60 31 01 62 31 01 62.61 31 01 63 31 01 63.61 31 01 70 31 01 70.61 05 00	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection Maintenance of Special Foundations and Load Bearing Elements Maintenance of Driven Piles Driven Pile Repairs Maintenance of Bored and Augered Piles Bored and Augered Pile Repairs Maintenance of Tunneling and Mining Tunnel Leak Repairs Common Work Results for Earthwork
31	01 00 31 01 10 31 01 20 31 01 40 31 01 50 31 01 60 31 01 62 31 01 62.61 31 01 63 31 01 63.61 31 01 70 31 01 70.61 05 00 31 05 05	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection Maintenance of Special Foundations and Load Bearing Elements Maintenance of Driven Piles Driven Pile Repairs Maintenance of Bored and Augered Piles Bored and Augered Pile Repairs Maintenance of Tunneling and Mining Tunnel Leak Repairs Common Work Results for Earthwork Selective Demolition for Earthwork
31	01 00 31 01 10 31 01 20 31 01 40 31 01 50 31 01 60 31 01 62 31 01 62.61 31 01 63.61 31 01 70 31 01 70.61 05 00 31 05 05 31 05 13	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection Maintenance of Special Foundations and Load Bearing Elements Maintenance of Driven Piles Driven Pile Repairs Maintenance of Bored and Augered Piles Bored and Augered Pile Repairs Maintenance of Tunneling and Mining Tunnel Leak Repairs Common Work Results for Earthwork Selective Demolition for Earthwork Soils for Earthwork
31	01 00 31 01 10 31 01 20 31 01 40 31 01 50 31 01 62 31 01 62 31 01 63 31 01 63 31 01 63 31 01 70 31 01 70 31 05 05 31 05 13 31 05 16	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection Maintenance of Special Foundations and Load Bearing Elements Maintenance of Driven Piles Driven Pile Repairs Maintenance of Bored and Augered Piles Bored and Augered Pile Repairs Maintenance of Tunneling and Mining Tunnel Leak Repairs Common Work Results for Earthwork Selective Demolition for Earthwork Soils for Earthwork Aggregates for Earthwork
31	01 00 31 01 10 31 01 20 31 01 40 31 01 50 31 01 62 31 01 62.61 31 01 63.61 31 01 70 31 01 70.61 05 00 31 05 05 31 05 16 31 05 19	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection Maintenance of Special Foundations and Load Bearing Elements Maintenance of Driven Piles Driven Pile Repairs Maintenance of Bored and Augered Piles Bored and Augered Pile Repairs Maintenance of Tunneling and Mining Tunnel Leak Repairs Common Work Results for Earthwork Selective Demolition for Earthwork Soils for Earthwork Aggregates for Earthwork Geosynthetics for Earthwork
31	01 00 31 01 10 31 01 20 31 01 40 31 01 50 31 01 60 31 01 62 31 01 62.61 31 01 63 31 01 63.61 31 01 70 31 01 70.61 05 00 31 05 05 31 05 13 31 05 19 31 05 19	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection Maintenance of Special Foundations and Load Bearing Elements Maintenance of Driven Piles Driven Pile Repairs Maintenance of Bored and Augered Piles Bored and Augered Pile Repairs Maintenance of Tunneling and Mining Tunnel Leak Repairs Common Work Results for Earthwork Selective Demolition for Earthwork Soils for Earthwork Aggregates for Earthwork Geosynthetics for Earthwork Geotextiles for Earthwork
31	01 00 31 01 10 31 01 20 31 01 40 31 01 50 31 01 60 31 01 62 31 01 62.61 31 01 63 31 01 63.61 31 01 70 31 01 70.61 05 00 31 05 05 31 05 13 31 05 19 31 05 19.13 31 05 19.16	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection Maintenance of Special Foundations and Load Bearing Elements Maintenance of Driven Piles Driven Pile Repairs Maintenance of Bored and Augered Piles Bored and Augered Pile Repairs Maintenance of Tunneling and Mining Tunnel Leak Repairs Common Work Results for Earthwork Selective Demolition for Earthwork Soils for Earthwork Aggregates for Earthwork Geosynthetics for Earthwork Geotextiles for Earthwork Geomembranes for Earthwork
31	01 00 31 01 10 31 01 20 31 01 40 31 01 50 31 01 60 31 01 62 31 01 62.61 31 01 63 31 01 63.61 31 01 70 31 01 70.61 05 00 31 05 05 31 05 13 31 05 16 31 05 19 31 05 19.13 31 05 19.16 31 05 19.19	Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection Maintenance of Special Foundations and Load Bearing Elements Maintenance of Driven Piles Driven Pile Repairs Maintenance of Bored and Augered Piles Bored and Augered Pile Repairs Maintenance of Tunneling and Mining Tunnel Leak Repairs Common Work Results for Earthwork Selective Demolition for Earthwork Soils for Earthwork Aggregates for Earthwork Geosynthetics for Earthwork Geomembranes for Earthwork Geomembranes for Earthwork Geomembranes for Earthwork
31	31 01 10 31 01 20 31 01 40 31 01 50 31 01 60 31 01 62 31 01 62.61 31 01 63.61 31 01 70 31 01 70.61 05 00 31 05 05 31 05 13 31 05 19 31 05 19.13 31 05 19.16 31 05 19.19 31 05 19.23	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection Maintenance of Special Foundations and Load Bearing Elements Maintenance of Driven Piles Driven Pile Repairs Maintenance of Bored and Augered Piles Bored and Augered Pile Repairs Maintenance of Tunneling and Mining Tunnel Leak Repairs Common Work Results for Earthwork Selective Demolition for Earthwork Soils for Earthwork Aggregates for Earthwork Geosynthetics for Earthwork Geomembranes for Earthwork Geogrids for Earthwork Geogrids for Earthwork Geosynthetic Clay Liners
31	01 00 31 01 10 31 01 20 31 01 40 31 01 50 31 01 60 31 01 62 31 01 62.61 31 01 63 31 01 63.61 31 01 70 31 01 70.61 05 00 31 05 05 31 05 13 31 05 16 31 05 19 31 05 19.13 31 05 19.16 31 05 19.19	Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection Maintenance of Special Foundations and Load Bearing Elements Maintenance of Driven Piles Driven Pile Repairs Maintenance of Bored and Augered Piles Bored and Augered Pile Repairs Maintenance of Tunneling and Mining Tunnel Leak Repairs Common Work Results for Earthwork Selective Demolition for Earthwork Soils for Earthwork Aggregates for Earthwork Geosynthetics for Earthwork Geomembranes for Earthwork Geomembranes for Earthwork Geomembranes for Earthwork
31	01 00 31 01 10 31 01 20 31 01 40 31 01 50 31 01 60 31 01 62 31 01 62.61 31 01 63.61 31 01 70 31 01 70.61 05 00 31 05 05 31 05 13 31 05 19 31 05 19.13 31 05 19.16 31 05 19.19 31 05 19.23 31 05 19.26	Maintenance of Earthwork Maintenance of Clearing Maintenance of Earth Moving Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection Maintenance of Special Foundations and Load Bearing Elements Maintenance of Driven Piles Driven Pile Repairs Maintenance of Bored and Augered Piles Bored and Augered Pile Repairs Maintenance of Tunneling and Mining Tunnel Leak Repairs Common Work Results for Earthwork Selective Demolition for Earthwork Soils for Earthwork Aggregates for Earthwork Geosynthetics for Earthwork Geogrids for Earthwork Geogrids for Earthwork Geosynthetic Clay Liners Geocomposites

	31 06 10	Schedules for Clearing
	31 06 20 31 06 20.13	Schedules for Earth Moving Trench Dimension Schedule
	31 06 20.16	Backfill Material Schedule
	31 06 40	Schedules for Shoring and Underpinning
	31 06 50	Schedules for Excavation Support and Protection
	31 06 60	Schedules for Special Foundations and Load Bearing Elements
	31 06 60.13 31 06 60.16	Driven Pile Schedule Caisson Schedule
	31 06 70	Schedules for Tunneling and Mining
31	08 00	Commissioning of Earthwork
-	31 08 13	Pile Load Testing
	31 08 13.13	Dynamic Pile Load Testing
	31 08 13.16	Static Pile Load Testing
31	09 00	Geotechnical Instrumentation and Monitoring of
		Earthwork
	31 09 13	Geotechnical Instrumentation and Monitoring
	31 09 13.13 31 09 16	Groundwater Monitoring During Construction Foundation Performance Instrumentation
	31 09 16.26	Bored and Augered Pile Load Tests
21	10 00	
		Site Clearing
	11 00	Clearing and Grubbing
	12 00	Selective Clearing
31	13 00	Selective Tree and Shrub Removal and Trimming
	31 13 13	Selective Tree and Shrub Removal
•	31 13 16	Selective Tree and Shrub Trimming
31	14 00	Earth Stripping and Stockpiling
	31 14 13	Soil Stripping and Stockpiling
	31 14 13.13 31 14 13.16	Soil Stripping Soil Stockpiling
	31 14 13.23	Topsoil Stripping and Stockpiling
	31 14 16	Sod Stripping and Stockpiling
	31 14 16.13	Sod Stripping
~ 4	31 14 16.16	Sod Stockpiling
	20 00	Earth Moving
31	21 00	Off-Gassing Mitigation
	31 21 13	Radon Mitigation
	31 21 13.13	Radon Venting
	31 21 16 31 21 16.13	Methane Mitigation Methane Venting
31	22 00	Grading
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	31 22 16	Fine Grading
	31 22 16.13	Roadway Subgrade Reshaping
	31 22 19	Finish Grading
04	31 22 19.13	Spreading and Grading Topsoil
31	23 00	Excavation and Fill
	31 23 13	Subgrade Preparation

	31 23 16 31 23 16.13 31 23 16.16 31 23 16.26 31 23 19 31 23 23.13 31 23 23.23 31 23 23.33 31 23 23.43	Excavation Trenching Structural Excavation for Minor Structures Rock Removal Dewatering Fill Backfill Compaction Flowable Fill Geofoam
	31 23 33	Trenching and Backfilling
31	24 00	Embankments
	31 24 13	Roadway Embankments
04	31 24 16	Railway Embankments
31	25 00	Erosion and Sedimentation Controls
	31 25 14	Stabilization Measures for Erosion and Sedimentation Control
	31 25 14.13 31 25 14.16	Hydraulically-Applied Erosion Control Rolled Erosion Control Mats and Blankets
	31 25 24	Structural Measures for Erosion and Sedimentation Control
	31 25 24.13	Rock Barriers
	31 25 34	Retention Measures for Erosion and Sedimentation Controls
	31 25 34.13	Rock Basins
31	30 00	Earthwork Methods
	31 00	Soil Treatment
.	31 31 13	Rodent Control
	31 31 13.16	Rodent Control Bait Systems
	31 31 13.19	Rodent Control Traps
	31 31 13.23	Rodent Control Electronic Systems
	31 31 13.26	Rodent Control Repellants
	31 31 16	Termite Control
	31 31 16.13	Chemical Termite Control
	31 31 16.16 31 31 16.19	Termite Control Bait Systems Termite Control Barriers
	31 31 19	Vegetation Control
	31 31 19.13	Chemical Vegetation Control
	31 31 33	Sanitary Vacuum System Piping
31	32 00	Soil Stabilization
•	31 32 13	Soil Mixing Stabilization
	31 32 13.13	Asphalt Soil Stabilization
	31 32 13.16	Cement Soil Stabilization
	31 32 13.19	Lime Soil Stabilization
	31 32 13.23	Fly-Ash Soil Stabilization
	31 32 13.26 31 32 16	Lime-Fly-Ash Soil Stabilization Chemical Treatment Soil Stabilization
	31 32 16.13	Polymer Emulsion Soil Stabilization
	31 32 17	Water Injection Soil Stabilization
	31 32 19	Geosynthetic Soil Stabilization and Layer Separation
	31 32 19.13	Geogrid Soil Stabilization
	31 32 19.16	Geotextile Soil Stabilization
	31 32 19.19	Geogrid Layer Separation
	31 32 19.23	Geotextile Layer Separation
	31 32 23	Pressure Grouting Soil Stabilization

31 33 00 Rock Stabilization 31 33 13 Rock Slope Netting 31 33 23 Rock Slope Wire Mesh 31 33 33 Shotcrete Rock Slope Stabilization 31 34 400 Soil Reinforcement 31 34 19.16 Geosynthetic Soil Reinforcement 31 34 19.16 Geotextile Soil Reinforcement 31 34 23.1 Geosynthetic Fiber Soil Reinforcement 31 35 500 Slope Protection 31 35 19.13 Geosynthetic Slope Protection 31 35 19.13 Geogrid Slope Protection 31 35 19.13 Geogrid Slope Protection 31 35 19.15 Geogrid Slope Protection 31 35 23.19 Geogrid Slope Protection with Mulch Control Netting 31 35 23.13 Cast-In-Place Concrete Slope Paving 31 35 23.16 Concrete Unit Masonry Slope Paving 31 35 26.13 Containment Barriers 31 35 26.16 Geomembrane Containment Barriers 31 36 19. Gabions 31 36 19. Gabion Boxes 31 36 19. Gabion Boxes 31 37 16. Gabion Mattresses 31 37 16. Concrete Unit Masonry Ripra		31 32 23.13 31 32 23.16 31 32 33 31 32 36 31 32 36.13 31 32 36.16 31 32 36.19 31 32 36.23 31 32 36.26	Cementitious Pressure Grouting Soil Stabilization Chemical Pressure Grouting Soil Stabilization Shotcrete Soil Slope Stabilization Soil Nailing Driven Soil Nailing Grouted Soil Nailing Corrosion-Protected Soil Nailing Jet-Grouted Soil Nailing Launched Soil Nailing
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31 41 16.16 Plastic Sheet Piling			
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31 41 19.13	Aluminum Hydraulic Shoring
31 41 23 31 41 33	Pneumatic Shoring Trench Shielding
31 43 00	Concrete Raising
31 43 13	Pressure Grouting
31 43 13.13	Concrete Pressure Grouting
31 43 13.16	Polyurethane Pressure Grouting
31 43 16	Compaction Grouting
31 43 19	Mechanical Jacking
31 45 00	Vibroflotation and Densification
31 45 13	Vibroflotation
31 45 16	Densification
31 46 00	Needle Beams
31 46 13	Cantilever Needle Beams
31 48 00	Underpinning
31 48 13	Underpinning Piers
31 48 19	Bracket Piers
31 48 23	Jacked Piers
31 48 33	Micropile Underpinning
31 50 00	Excavation Support and Protection
31 51 00	Anchor Tiebacks
31 51 13	Excavation Soil Anchors
31 51 16	Excavation Rock Anchors
31 52 00	Cofferdams
31 52 13	Sheet Piling Cofferdams
31 52 16	Timber Cofferdams
31 52 19	Precast Concrete Cofferdams
31 53 00	Cribbing and Walers
31 53 13	Timber Cribwork
31 54 00	Ground Freezing
31 56 00	Slurry Walls
31 56 13	Bentonite Slurry Walls
31 56 13.13	Soil-Bentonite Slurry Walls
31 56 13.16	Cement-Bentonite Slurry Walls
31 56 13.19 31 56 13.23	Slag-Cement-Bentonite Slurry Walls Soil-Cement-Bentonite Slurry Walls
31 56 13.26	Pozzolan-Bentonite Slurry Walls
31 56 13.29	Organically-Modified Bentonite Slurry Walls
31 56 16	Attipulgite Slurry Walls
31 56 16.13	Soil-Attipulgite Slurry Walls
31 56 19	Slurry-Geomembrane Composite Slurry Walls
31 56 23	Lean Concrete Slurry Walls
31 56 26	Bio-Polymer Trench Drain
31 60 00	Special Foundations and Load-Bearing
	Elements
31 62 00	Driven Piles
31 62 13	Concrete Piles

31	31 62 13.13 31 62 13.16 31 62 13.19 31 62 13.23 31 62 13.26 31 62 16.13 31 62 16.16 31 62 16.19 31 62 19 31 62 23 31 62 23.13 31 62 23.16 63 00	Cast-in-Place Concrete Piles Concrete Displacement Piles Precast Concrete Piles Prestressed Concrete Piles Pressure-Injected Footings Steel Piles Steel Piles Sheet Steel Piles Steel H Piles Unfilled Tubular Steel Piles Timber Piles Composite Piles Concrete-Filled Steel Piles Wood and Cast-In-Place Concrete Piles Bored Piles
J I	31 63 13	Bored and Augered Test Piles
	31 63 16	Auger Cast Grout Piles
	31 63 19	Bored and Socketed Piles
	31 63 19.13	Rock Sockets for Piles
	31 63 23 31 63 23.13	Bored Concrete Piles Bored and Belled Concrete Piles
	31 63 23.16	Bored Friction Concrete Piles
	31 63 26	Drilled Caissons
	31 63 26.13 31 63 26.16	Fixed End Caisson Piles Concrete Caissons for Marine Construction
	31 63 29	Drilled Concrete Piers and Shafts
	31 63 29.13	Uncased Drilled Concrete Piers
	31 63 29.16 31 63 33	Cased Drilled Concrete Piers Drilled Micropiles
31	64 00	Caissons
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	31 64 16	Excavated Caissons
	31 64 19	Floating Caissons
	31 64 23 31 64 26	Open Caissons Pneumatic Caissons
	31 64 29	Sheeted Caissons
31	66 00	Special Foundations
	31 66 13	Special Piles
	31 66 13.13	Rammed Aggregate Piles
	31 66 15 31 66 16	Helical Foundation Piles Special Foundation Walls
	31 66 16.13	Anchored Foundation Walls
	31 66 16.23	Concrete Cribbing Foundation Walls
	31 66 16.26 31 66 16.33	Metal Cribbing Foundation Walls Manufactured Modular Foundation Walls
	31 66 16.43	Mechanically Stabilized Earth Foundation Walls
	31 66 16.46	Slurry Diaphragm Foundation Walls
	31 66 16.53 31 66 16.56	Soldier-Beam Foundation Walls Permanently-Anchored Soldier-Beam Foundation Walls
	31 66 19	Refrigerated Foundations
31	68 00	Foundation Anchors
	31 68 13	Rock Foundation Anchors
	31 68 16	Helical Foundation Anchors

31 70 00	Tunneling and Mining
31 71 00	Tunnel Excavation
31 71 00	Shield Driving Tunnel Excavation
31 71 16	Tunnel Excavation by Drilling and Blasting
31 71 19	Tunnel Excavation by Tunnel Boring Machine
31 71 23	Tunneling by Cut and Cover
31 72 00	Tunnel Support Systems
31 72 13	Rock Reinforcement and Initial Support
31 72 16	Steel Ribs and Lagging
31 73 00	Tunnel Grouting
31 73 13	Cement Tunnel Grouting
31 73 16	Chemical Tunnel Grouting
31 74 00	Tunnel Construction
31 74 13 31 74 16	Cast-in-Place Concrete Tunnel Lining Precast Concrete Tunnel Lining
31 74 10	Shotcrete Tunnel Lining
31 75 00	Shaft Construction
31 75 13	Cast-in-Place Concrete Shaft Lining
31 75 16	Precast Concrete Shaft Lining
31 77 00	Submersible Tube Tunnels
31 77 13	Trench Excavation for Submerged Tunnels
31 77 16	Tube Construction (Outfitting Tunnel Tubes)
31 77 19	Floating and Laying Submerged Tunnels
32 00 00	Exterior Improvements
32 01 00	Operation and Maintenance of Exterior Improvements
32 01 00 32 01 11	Operation and Maintenance of Exterior Improvements Paving Cleaning
32 01 00 32 01 11 32 01 11.51	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving
32 01 00 32 01 11 32 01 11.51 32 01 11.52	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving Rubber Removal from Paving
32 01 00 32 01 11 32 01 11.51	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving
32 01 00 32 01 11 32 01 11.51 32 01 11.52 32 01 11.53 32 01 13 32 01 13.61	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving Rubber Removal from Paving Paint Removal from Paving Flexible Paving Surface Treatment Slurry Seal (Latex Modified)
32 01 00 32 01 11 32 01 11.51 32 01 11.52 32 01 11.53 32 01 13 32 01 13.61 32 01 13.62	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving Rubber Removal from Paving Paint Removal from Paving Plexible Paving Surface Treatment Slurry Seal (Latex Modified) Asphalt Surface Treatment
32 01 00 32 01 11 32 01 11.51 32 01 11.52 32 01 11.53 32 01 13 32 01 13.61 32 01 13.62 32 01 16	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving Rubber Removal from Paving Paint Removal from Paving Plexible Paving Surface Treatment Slurry Seal (Latex Modified) Asphalt Surface Treatment Flexible Paving Rehabilitation
32 01 00 32 01 11 32 01 11.51 32 01 11.52 32 01 11.53 32 01 13 32 01 13.61 32 01 13.62 32 01 16 32 01 16.71 32 01 16.72	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving Rubber Removal from Paving Paint Removal from Paving Plexible Paving Surface Treatment Slurry Seal (Latex Modified) Asphalt Surface Treatment
32 01 00 32 01 11 32 01 11.51 32 01 11.52 32 01 11.53 32 01 13 32 01 13.61 32 01 13.62 32 01 16.71 32 01 16.71 32 01 16.72 32 01 16.73	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving Rubber Removal from Paving Paint Removal from Paving Flexible Paving Surface Treatment Slurry Seal (Latex Modified) Asphalt Surface Treatment Flexible Paving Rehabilitation Cold Milling Asphalt Paving Asphalt Paving Reuse In Place Cold Reused Asphalt Paving
32 01 00 32 01 11 32 01 11.51 32 01 11.52 32 01 11.53 32 01 13.61 32 01 13.62 32 01 16.71 32 01 16.71 32 01 16.72 32 01 16.73 32 01 16.73	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving Rubber Removal from Paving Paint Removal from Paving Flexible Paving Surface Treatment Slurry Seal (Latex Modified) Asphalt Surface Treatment Flexible Paving Rehabilitation Cold Milling Asphalt Paving Asphalt Paving Reuse In Place Cold Reused Asphalt Paving In Place Hot Reused Asphalt Paving
32 01 00 32 01 11 32 01 11.51 32 01 11.52 32 01 11.53 32 01 13.61 32 01 13.62 32 01 16.71 32 01 16.71 32 01 16.72 32 01 16.73 32 01 16.74 32 01 16.74 32 01 16.75	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving Rubber Removal from Paving Paint Removal from Paving Flexible Paving Surface Treatment Slurry Seal (Latex Modified) Asphalt Surface Treatment Flexible Paving Rehabilitation Cold Milling Asphalt Paving Asphalt Paving Reuse In Place Cold Reused Asphalt Paving In Place Hot Reused Asphalt Paving Heater Scarifying of Asphalt Paving
32 01 00 32 01 11 32 01 11.51 32 01 11.52 32 01 11.53 32 01 13.61 32 01 13.62 32 01 16.71 32 01 16.71 32 01 16.72 32 01 16.73 32 01 16.73	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving Rubber Removal from Paving Paint Removal from Paving Flexible Paving Surface Treatment Slurry Seal (Latex Modified) Asphalt Surface Treatment Flexible Paving Rehabilitation Cold Milling Asphalt Paving Asphalt Paving Reuse In Place Cold Reused Asphalt Paving In Place Hot Reused Asphalt Paving
32 01 00 32 01 11 32 01 11.51 32 01 11.52 32 01 11.53 32 01 13.61 32 01 13.62 32 01 16.71 32 01 16.71 32 01 16.73 32 01 16.74 32 01 16.75 32 01 17.61 32 01 17.61	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving Rubber Removal from Paving Paint Removal from Paving Plexible Paving Surface Treatment Slurry Seal (Latex Modified) Asphalt Surface Treatment Flexible Paving Rehabilitation Cold Milling Asphalt Paving Asphalt Paving Reuse In Place Cold Reused Asphalt Paving In Place Hot Reused Asphalt Paving Heater Scarifying of Asphalt Paving Flexible Paving Repair Sealing Cracks in Asphalt Paving Stress-Absorbing Membrane Interlayer
32 01 00 32 01 11 32 01 11.51 32 01 11.52 32 01 11.53 32 01 13.61 32 01 13.62 32 01 16.71 32 01 16.71 32 01 16.72 32 01 16.73 32 01 16.74 32 01 16.75 32 01 17.61 32 01 17.61 32 01 17.62 32 01 19	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving Rubber Removal from Paving Paint Removal from Paving Plexible Paving Surface Treatment Slurry Seal (Latex Modified) Asphalt Surface Treatment Flexible Paving Rehabilitation Cold Milling Asphalt Paving Asphalt Paving Reuse In Place Cold Reused Asphalt Paving In Place Hot Reused Asphalt Paving Heater Scarifying of Asphalt Paving Flexible Paving Repair Sealing Cracks in Asphalt Paving Stress-Absorbing Membrane Interlayer Rigid Paving Surface Treatment
32 01 00 32 01 11 32 01 11.51 32 01 11.52 32 01 11.53 32 01 13.61 32 01 13.62 32 01 16.71 32 01 16.71 32 01 16.72 32 01 16.73 32 01 16.74 32 01 16.75 32 01 17.61 32 01 17.61 32 01 19 32 01 19.61	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving Rubber Removal from Paving Paint Removal from Paving Plexible Paving Surface Treatment Slurry Seal (Latex Modified) Asphalt Surface Treatment Flexible Paving Rehabilitation Cold Milling Asphalt Paving Asphalt Paving Reuse In Place Cold Reused Asphalt Paving In Place Hot Reused Asphalt Paving Heater Scarifying of Asphalt Paving Flexible Paving Repair Sealing Cracks in Asphalt Paving Stress-Absorbing Membrane Interlayer Rigid Paving Surface Treatment Sealing of Joints in Rigid Paving
32 01 00 32 01 11 32 01 11.51 32 01 11.52 32 01 11.53 32 01 13.61 32 01 13.62 32 01 16.71 32 01 16.71 32 01 16.72 32 01 16.73 32 01 16.74 32 01 16.75 32 01 17.61 32 01 17.61 32 01 17.62 32 01 19	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving Rubber Removal from Paving Paint Removal from Paving Plexible Paving Surface Treatment Slurry Seal (Latex Modified) Asphalt Surface Treatment Flexible Paving Rehabilitation Cold Milling Asphalt Paving Asphalt Paving Reuse In Place Cold Reused Asphalt Paving In Place Hot Reused Asphalt Paving Heater Scarifying of Asphalt Paving Flexible Paving Repair Sealing Cracks in Asphalt Paving Stress-Absorbing Membrane Interlayer Rigid Paving Surface Treatment
32 01 00 32 01 11 32 01 11.51 32 01 11.52 32 01 11.53 32 01 13.61 32 01 13.62 32 01 16.71 32 01 16.72 32 01 16.73 32 01 16.74 32 01 16.75 32 01 17 32 01 17.61 32 01 17.62 32 01 19 32 01 19.61 32 01 23 32 01 26	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving Rubber Removal from Paving Paint Removal from Paving Paint Removal from Paving Flexible Paving Surface Treatment Slurry Seal (Latex Modified) Asphalt Surface Treatment Flexible Paving Rehabilitation Cold Milling Asphalt Paving Asphalt Paving Reuse In Place Cold Reused Asphalt Paving In Place Hot Reused Asphalt Paving Heater Scarifying of Asphalt Paving Flexible Paving Repair Sealing Cracks in Asphalt Paving Stress-Absorbing Membrane Interlayer Rigid Paving Surface Treatment Sealing of Joints in Rigid Paving Patching of Rigid Paving Base Course Reconditioning Rigid Paving Rehabilitation
32 01 00 32 01 11 32 01 11.51 32 01 11.52 32 01 11.53 32 01 13.61 32 01 13.62 32 01 16.71 32 01 16.72 32 01 16.73 32 01 16.74 32 01 16.75 32 01 17 32 01 17.61 32 01 17.62 32 01 19.61 32 01 19.62 32 01 23 32 01 26 32 01 26 32 01 26	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving Rubber Removal from Paving Paint Removal from Paving Paint Removal from Paving Flexible Paving Surface Treatment Slurry Seal (Latex Modified) Asphalt Surface Treatment Flexible Paving Rehabilitation Cold Milling Asphalt Paving Asphalt Paving Reuse In Place Cold Reused Asphalt Paving In Place Hot Reused Asphalt Paving Heater Scarifying of Asphalt Paving Flexible Paving Repair Sealing Cracks in Asphalt Paving Stress-Absorbing Membrane Interlayer Rigid Paving Surface Treatment Sealing of Joints in Rigid Paving Patching of Rigid Paving Base Course Reconditioning Rigid Paving Rehabilitation Grooving of Concrete Paving
32 01 00 32 01 11 32 01 11.51 32 01 11.52 32 01 11.53 32 01 13.61 32 01 13.62 32 01 16.71 32 01 16.72 32 01 16.73 32 01 16.74 32 01 16.75 32 01 17 32 01 17.61 32 01 17.62 32 01 19 32 01 19.61 32 01 23 32 01 26	Operation and Maintenance of Exterior Improvements Paving Cleaning Rubber and Paint Removal from Paving Rubber Removal from Paving Paint Removal from Paving Paint Removal from Paving Flexible Paving Surface Treatment Slurry Seal (Latex Modified) Asphalt Surface Treatment Flexible Paving Rehabilitation Cold Milling Asphalt Paving Asphalt Paving Reuse In Place Cold Reused Asphalt Paving In Place Hot Reused Asphalt Paving Heater Scarifying of Asphalt Paving Flexible Paving Repair Sealing Cracks in Asphalt Paving Stress-Absorbing Membrane Interlayer Rigid Paving Surface Treatment Sealing of Joints in Rigid Paving Patching of Rigid Paving Base Course Reconditioning Rigid Paving Rehabilitation

	32 01 26.74	Concrete Overlays
	32 01 26.75 32 01 29	Concrete Paving Reuse Rigid Paving Repair
	32 01 29.61	Partial Depth Patching of Rigid Paving
	32 01 29.62	Concrete Paving Raising
	32 01 29.63	Subsealing and Stabilization
	32 01 30	Operation and Maintenance of Site Improvements
	32 01 30.13	Snow Removal
	32 01 80	Operation and Maintenance of Irrigation
	32 01 90 32 01 90.13	Operation and Maintenance of Planting Fertilizing
	32 01 90.16	Amending Soils
	32 01 90.19	Mowing
	32 01 90.23	Pruning
	32 01 90.26	Watering
	32 01 90.29 32 01 90.33	Topsoil Preservation Tree and Shrub Preservation
32	05 00	Common Work Results for Exterior Improvements
JZ	32 05 05	Selective Demolition for Exterior Improvements
	32 05 03	Soils for Exterior Improvements
	32 05 16	Aggregates for Exterior Improvements
	32 05 19	Geosynthetics for Exterior Improvements
	32 05 19.13	Geotextiles for Exterior Improvements
	32 05 19.16	Geomembranes for Exterior Improvements
	32 05 19.19	Geogrids for Exterior Improvements
	32 05 23 32 05 33	Cement and Concrete for Exterior Improvements
22		Common Work Results for Planting
3 2	06 00	Schedules for Exterior Improvements
	32 06 10 32 06 10.13	Schedules for Bases, Ballasts, and Paving Pedestrian Walkway Schedule
	32 06 30	Schedules for Site Improvements
	32 06 30.13	Retaining Wall Schedule
	32 06 80	Schedules for Irrigation
	32 06 80.13	Irrigation Piping Schedule
	32 06 90	Schedules for Planting
20	32 06 90.13	Planting Schedule
	08 00	Commissioning of Exterior Improvements
32	10 00	Bases, Ballasts, and Paving
32	11 00	Base Courses
	32 11 13	Subgrade Modifications
	32 11 13.13	Lime-Treated Subgrades
	32 11 13.16	Bituminous-Treated Subgrades
	32 11 16 32 11 16.13	Subbase Courses
	32 11 16.13	Sand-Clay Subbase Courses Aggregate Subbase Courses
	32 11 23	Aggregate Base Courses
	32 11 23.13	Sand-Clay Base Courses
	32 11 23.23	Base Course Drainage Layers
	32 11 26	Asphaltic Base Courses
	32 11 26.13	Plant Mix Asphaltic Base Courses
	32 11 26.16	Road Mix Asphaltic Base Courses
	32 11 26.19	Bituminous-Stabilized Base Courses

	32 11 29 32 11 29.13 32 11 33 32 11 33.13 32 11 36 32 11 36.11 32 11 36.13 32 11 36.16 32 11 36.19 32 11 39	Lime Treated Base Courses Lime-Fly Ash-Treated Base Courses Cement-Treated Base Courses Portland Cement-Stabilized Base Courses Concrete Base Courses Soil-Cement Concrete Base Courses Lean Concrete Base Courses Plain Cement Concrete Base Courses Hydraulic Cement Concrete Base Courses Shell Base Course
32	12 00	Flexible Paving
	32 12 13 32 12 13.13 32 12 13.19 32 12 13.23 32 12 16 32 12 16.13 32 12 16.16 32 12 16.19 32 12 16.23 32 12 16.26 32 12 16.29 32 12 16.33 32 12 16.36 32 12 19.13 32 12 19.13 32 12 19.16 32 12 19.16 32 12 36 32 12 36.13 32 12 36.13 32 12 36.19 32 12 36.23 32 12 43	Preparatory Coats Tack Coats Asphaltic Tack Coats Prime Coats Asphaltic Prime Coats Asphalt Paving Plant-Mix Asphalt Paving Road-Mix Asphalt Paving Cold-Mix Asphalt Paving Reinforced Asphalt Paving Fiber-Modified Asphalt Paving Polymer-Modified Asphalt Paving Granulated Rubber-Modified Asphalt Paving Athletic Asphalt Paving Asphalt Paving Wearing Courses Road-Mix Asphalt Paving Wearing Courses Road-Mix Asphalt Paving Wearing Courses Resin-Modified Asphalt Paving Wearing Courses Porous Friction Asphalt Paving Wearing Courses Flexible Paving Surface Treatments Seal Coats Asphaltic Seal and Fog Coats Coal Tar Seal Coats Coal Tar Seal Coats Coal Tar Seal Coats Porous Flexible Paving
	32 12 43 32 12 73	Porous Flexible Paving Asphalt Paving Joint Sealants
32	13 00	Rigid Paving
-	32 13 13	Concrete Paving
	32 13 13.13 32 13 13.16 32 13 13.17 32 13 13.19 32 13 13.23 32 13 13.26 32 13 13.33 32 13 16.13 32 13 16.19 32 13 16.23 32 13 16.23 32 13 43 32 13 73 32 13 73.13 32 13 73.16	Exposed Aggregate Concrete Paving Power-Compacted Concrete Paving Roller-Compacted Concrete Paving Prestressed Concrete Paving Concrete Paving Surface Treatment Stained Concrete Paving Plain Concrete Paving Decorative Concrete Paving Patterned Concrete Paving Imprinted Concrete Paving Stamped Concrete Paving Pervious Concrete Paving Concrete Paving Concrete Paving Concrete Paving Concrete Paving Joint Sealants Fuel-Resistant Concrete Paving Joint Sealants Field-Molded Concrete Paving Joint Sealants

32 14 10 Unit Paving 32 14 13.13 Precast Concrete Unit Paving 32 14 13.15 Precast Concrete Unit Paving 32 14 13.16 Precast Concrete Unit Paving 32 14 13.19 Porous Precast Concrete Unit Paving 32 14 16 Brick Unit Paving 32 14 23 Asphalt Unit Paving 32 14 26 Wood Paving 32 14 29 Rubber Paving 32 14 33 Plastic Paving 32 14 33 Permeable Plastic Paving 32 14 40 Stone Paving 32 14 40 Porous Unit Paving 32 14 40 Porous Unit Paving 32 15 10 Aggregate Surfacing 32 15 50 Aggregate Surfacing 32 15 50 Aggregate-Turf Pavement 32 16 13 Curbs and Gutters 32 16 13.13 Cast-In-Place Concrete Curbs and Gutters 32 16 13.23 Precast Concrete Curbs and Gutters 32 16 13.33 Asphalt Curbs 32 16 23 Sidewalks 32 16 33 Driveways 32 17 00 Paving Specialties 32 17 13 Parking Bumpers	32 14 00	
32 14 13.13 Interlocking Precast Concrete Unit Paving 32 14 13.16 Precast Concrete Unit Paving Slabs 32 14 13.19 Porous Precast Concrete Unit Paving 32 14 16 Brick Unit Paving 32 14 23 Asphalt Unit Paving 32 14 26 Wood Paving 32 14 29 Rubber Paving 32 14 33 Plastic Paving 32 14 40 Stone Paving 32 14 43 Porous Unit Paving 32 15 00 Aggregate Surfacing 32 15 13 Cinder Surfacing 32 15 40 Crushed Stone Surfacing 32 15 50 Aggregate-Turf Pavement 32 16 00 Curbs, Gutters, Sidewalks, and Driveways 32 16 13.13 Cast-In-Place Concrete Curbs and Gutters 32 16 13.23 Precast Concrete Curbs and Gutters 32 16 13.33 Asphalt Curbs 32 16 23 Sidewalks 32 16 33 Driveways 32 17 00 Paving Specialties Parking Bumpers		Unit Paving
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32 16 13 Curbs and Gutters 32 16 13.13 Cast-In-Place Concrete Curbs and Gutters 32 16 13.16 Steel Faced Curbs 32 16 13.23 Precast Concrete Curbs and Gutters 32 16 13.33 Asphalt Curbs 32 16 13.43 Stone Curbs 32 16 23 Sidewalks 32 16 33 Driveways 32 17 00 Paving Specialties 32 17 13 Parking Bumpers		
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32 17 13.13 Metal Parking Bumpers	32 17 13 32 17 13.13	•
32 17 13.16 Plastic Parking Bumpers		
32 17 13.19 Precast Concrete Parking Bumpers		
32 17 13.23 Rubber Parking Bumpers	32 17 13.23	- · · · · · · · · · · · · · · · · · · ·
32 17 13.26 Wood Parking Bumpers	32 17 13.26	Wood Parking Bumpers
32 17 16 Manufactured Traffic-Calming Devices		<u> </u>
32 17 23 Pavement Markings		
32 17 23.13 Painted Pavement Markings		
32 17 23.23 Raised Pavement Markings		<u> </u>
32 17 23.33 Plastic Pavement Markings 32 17 26 Tactile Warning Surfacing		
32 17 20 Factile Warning Surfacing 32 17 29 Pavement Embedded Warning Lights		
32 17 43 Pavement Snow Melting Systems		<u> </u>
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32 18 00 Athletic and Recreational Surfacing		
32 18 13 Synthetic Grass Surfacing		
32 18 16 Synthetic Resilient Surfacing		,
32 18 16.13 Playground Protective Surfacing		
32 18 23 Athletic Surfacing 32 18 23.13 Baseball Field Surfacing		•
32 18 23.16 Natural Baseball Field Surfacing		
32 18 23.19 Synthetic Baseball Field Surfacing		
32 18 23.23 Field Sport Surfacing		
32 18 23.26 Natural Field Sport Surfacing		Field Sport Surfacing

	32 18 23.29 32 18 23.33 32 18 23.36 32 18 23.39 32 18 23.43 32 18 23.53 32 18 23.56 32 18 23.59 32 18 23.63	Synthetic Field Sport Surfacing Running Track Surfacing Natural Running Track Surfacing Synthetic Running Track Surfacing Recreational Court Surfacing Tennis Court Surfacing Natural Tennis Court Surfacing Synthetic Tennis Court Surfacing Equestrian Surfacing
	30 00	Site Improvements
32	31 00 32 31 11 32 31 13 32 31 13.23 32 31 13.26 32 31 13.29 32 31 13.53 32 31 16 32 31 17 32 31 19 32 31 19 32 31 19 32 31 26 32 31 26 32 31 26.11 32 31 26.11 32 31 29 32 31 32 32 31 53 32 31 56	Fences and Gates Gate Operators Chain Link Fences and Gates Recreational Court Fences and Gates Tennis Court Fences and Gates Tennis Court Wind Breaker Chain Link Backstops High-Security Chain Link Fences and Gates Welded Wire Fences and Gates Expanded Metal Fences and Gates Decorative Metal Fences and Gates Decorative Metal Security Fences and Gates Plastic Fences and Gates Wire Fences with Wood Posts Wire Fences with Steel Posts Wood Fences and Gates Composite Fences and Gates Cattle Guards Wild Life Deterrent Fence
32	32 00	Retaining Walls
	32 32 13 32 32 16 32 32 19 32 32 23 32 32 23.13 32 32 23.16 32 32 26 32 32 29 32 32 34 32 32 36 32 32 43 32 32 53	Cast-in-Place Concrete Retaining Walls Precast Concrete Retaining Walls Unit Masonry Retaining Walls Segmental Retaining Walls Segmental Concrete Unit Masonry Retaining Walls Manufactured Modular Walls Metal Crib Retaining Walls Timber Retaining Walls Reinforced Soil Retaining Walls Gabion Retaining Walls Soldier-Beam Retaining Walls Stone Retaining Walls
32	33 00 32 33 13 32 33 14 32 33 23 32 33 33 32 33 43 32 33 43.13 32 33 43.53	Site Furnishings Site Bicycle Racks Site Bicycle Lockers Site Trash and Litter Receptacles Site Manufactured Planters Site Seating and Tables Site Seating Site Tables

32 34 00 32 34 13 32 34 23 32 34 33 32 35 00 32 35 13 32 35 16 32 35 23 32 35 26 32 39 00 32 39 13 32 39 13 32 39 16 32 39 33	Fabricated Bridges Fabricated Pedestrian Bridges Fabricated Roadway Bridges Fabricated Railway Bridges Screening Devices Screens and Louvers Sound Barriers Fire Barriers Blast Barriers Manufactured Site Specialties Manufactured Metal Bollards Manufactured Metal Security Bollards Manufactured Fire Pits Artificial Rock Fabrications
32 70 00	Wetlands
32 71 00	Constructed Wetlands
32 72 00	Wetlands Restoration
32 80 00	Irrigation
32 81 00 32 81 13	Irrigation Components Irrigation Intake Screens
32 82 00	Irrigation Pumps
32 84 00	Planting Irrigation
32 84 13	Drip Irrigation
32 84 23 32 86 00	Underground Sprinklers
	Agricultural Irrigation
32 90 00 32 91 00	Planting Propagation
32 91 13 32 91 13.13 32 91 13.16 32 91 13.19 32 91 13.23 32 91 13.26 32 91 16.13 32 91 16.13 32 91 16.19 32 91 16.19 32 91 19.13 32 92 19.13 32 92 19 32 92 19 32 92 19.13 32 92 23 32 92 26	Planting Preparation Soil Preparation Hydro-Punching Mulching Planting Soil Mixing Structural Soil Mixing Planting Beds Planting Soil Stabilization Blanket Planting Soil Stabilization Mat Planting Soil Stabilization Netting Planting Soil Stabilization Landscape Grading Topsoil Placement and Grading Turf and Grasses Hydro-Mulching Plugging Seeding Mechanical Seeding Hydraulic Seeding Sodding Sprigging

32 92 26.13	Stolonizing
32 93 00	Plants
32 93 13	Ground Covers
32 93 23 32 93 33	Plants and Bulbs Shrubs
32 93 33 32 93 43	Trees
32 93 93	Exterior Artificial Plants
32 94 00	Planting Accessories
32 94 13	
32 94 13 32 94 16	Landscape Edging Landscape Timbers
32 94 10	Landscape Surfacing
32 94 33	Planters
32 94 43	Tree Grates
32 94 46	Tree Grids
32 95 00	Exterior Planting Support Structures
	.
32 96 00	Transplanting
32 96 13 32 96 23	Ground Cover Transplanting
	Plant and Bulb Transplanting
32 96 33 32 96 43	Shrub Transplanting Tree Transplanting
33 00 00	Utilities
33 01 00	Operation and Maintenance of Utilities
33 01 10	Operation and Maintenance of Water Utilities
33 01 10.51	Water Utility Intake Cleaning and Maintenance
33 01 10.52	Reservoir Maintenance
33 N1 1N 53	Flushing of Water Hillity Pining
33 01 10.53 33 01 10 54	Flushing of Water Utility Piping Cleaning of Water Utility Piping
33 01 10.53 33 01 10.54 33 01 10.56	Cleaning of Water Utility Piping
33 01 10.54	, , ,
33 01 10.54 33 01 10.56 33 01 10.57 33 01 10.58	Cleaning of Water Utility Piping Cleaning of Water Utility Storage Tanks Disinfection of Water Supply Wells Disinfection of Water Utility Piping Systems
33 01 10.54 33 01 10.56 33 01 10.57 33 01 10.58 33 01 10.59	Cleaning of Water Utility Piping Cleaning of Water Utility Storage Tanks Disinfection of Water Supply Wells Disinfection of Water Utility Piping Systems Disinfection of Water Utility Storage Tanks
33 01 10.54 33 01 10.56 33 01 10.57 33 01 10.58 33 01 10.59 33 01 10.81	Cleaning of Water Utility Piping Cleaning of Water Utility Storage Tanks Disinfection of Water Supply Wells Disinfection of Water Utility Piping Systems Disinfection of Water Utility Storage Tanks Water Supply Well Abandonment
33 01 10.54 33 01 10.56 33 01 10.57 33 01 10.58 33 01 10.59 33 01 10.81 33 01 10.91	Cleaning of Water Utility Piping Cleaning of Water Utility Storage Tanks Disinfection of Water Supply Wells Disinfection of Water Utility Piping Systems Disinfection of Water Utility Storage Tanks Water Supply Well Abandonment Rehabilitation of Water Supply Wells
33 01 10.54 33 01 10.56 33 01 10.57 33 01 10.58 33 01 10.59 33 01 10.81 33 01 10.91 33 01 10.92	Cleaning of Water Utility Piping Cleaning of Water Utility Storage Tanks Disinfection of Water Supply Wells Disinfection of Water Utility Piping Systems Disinfection of Water Utility Storage Tanks Water Supply Well Abandonment Rehabilitation of Water Supply Wells Redevelopment of Water Supply Wells
33 01 10.54 33 01 10.56 33 01 10.57 33 01 10.58 33 01 10.59 33 01 10.81 33 01 10.91	Cleaning of Water Utility Piping Cleaning of Water Utility Storage Tanks Disinfection of Water Supply Wells Disinfection of Water Utility Piping Systems Disinfection of Water Utility Storage Tanks Water Supply Well Abandonment Rehabilitation of Water Supply Wells Redevelopment of Water Supply Wells Inspection and Testing of Water Utilities
33 01 10.54 33 01 10.56 33 01 10.57 33 01 10.58 33 01 10.59 33 01 10.81 33 01 10.91 33 01 10.92 33 01 12 33 01 12.11 33 01 12.11	Cleaning of Water Utility Piping Cleaning of Water Utility Storage Tanks Disinfection of Water Supply Wells Disinfection of Water Utility Piping Systems Disinfection of Water Utility Storage Tanks Water Supply Well Abandonment Rehabilitation of Water Supply Wells Redevelopment of Water Supply Wells
33 01 10.54 33 01 10.56 33 01 10.57 33 01 10.58 33 01 10.59 33 01 10.81 33 01 10.91 33 01 10.92 33 01 12 33 01 12.11 33 01 12.13 33 01 30	Cleaning of Water Utility Piping Cleaning of Water Utility Storage Tanks Disinfection of Water Supply Wells Disinfection of Water Utility Piping Systems Disinfection of Water Utility Storage Tanks Water Supply Well Abandonment Rehabilitation of Water Supply Wells Redevelopment of Water Supply Wells Inspection and Testing of Water Utilities Leakage Detection Electrical Continuity Testing Operation and Maintenance of Sewer Utilities
33 01 10.54 33 01 10.56 33 01 10.57 33 01 10.58 33 01 10.59 33 01 10.81 33 01 10.91 33 01 10.92 33 01 12 33 01 12.11 33 01 12.13 33 01 30 33 01 30.11	Cleaning of Water Utility Piping Cleaning of Water Utility Storage Tanks Disinfection of Water Supply Wells Disinfection of Water Utility Piping Systems Disinfection of Water Utility Storage Tanks Water Supply Well Abandonment Rehabilitation of Water Supply Wells Redevelopment of Water Supply Wells Inspection and Testing of Water Utilities Leakage Detection Electrical Continuity Testing Operation and Maintenance of Sewer Utilities Television Inspection of Sewers
33 01 10.54 33 01 10.56 33 01 10.57 33 01 10.58 33 01 10.59 33 01 10.81 33 01 10.91 33 01 10.92 33 01 12.11 33 01 12.11 33 01 30 130 130 130 130 130 130 130 130	Cleaning of Water Utility Piping Cleaning of Water Utility Storage Tanks Disinfection of Water Supply Wells Disinfection of Water Utility Piping Systems Disinfection of Water Utility Storage Tanks Water Supply Well Abandonment Rehabilitation of Water Supply Wells Redevelopment of Water Supply Wells Inspection and Testing of Water Utilities Leakage Detection Electrical Continuity Testing Operation and Maintenance of Sewer Utilities Television Inspection of Sewers Dye Testing of Sewers
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33 01 10.54 33 01 10.56 33 01 10.57 33 01 10.58 33 01 10.59 33 01 10.81 33 01 10.91 33 01 10.92 33 01 12.11 33 01 12.11 33 01 30.13 33 01 30.11 33 01 30.13 33 01 30.16 33 01 30.23	Cleaning of Water Utility Piping Cleaning of Water Utility Storage Tanks Disinfection of Water Supply Wells Disinfection of Water Utility Piping Systems Disinfection of Water Utility Storage Tanks Water Supply Well Abandonment Rehabilitation of Water Supply Wells Redevelopment of Water Supply Wells Inspection and Testing of Water Utilities Leakage Detection Electrical Continuity Testing Operation and Maintenance of Sewer Utilities Television Inspection of Sewers Dye Testing of Sewers Smoke Testing Pipe Bursting
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33 01 10.54 33 01 10.56 33 01 10.57 33 01 10.58 33 01 10.59 33 01 10.81 33 01 10.91 33 01 10.92 33 01 12 33 01 12.11 33 01 12.13 33 01 30.13 33 01 30.11 33 01 30.13 33 01 30.41 33 01 30.42 33 01 30.43 33 01 30.44 33 01 30.44	Cleaning of Water Utility Piping Cleaning of Water Utility Storage Tanks Disinfection of Water Supply Wells Disinfection of Water Utility Piping Systems Disinfection of Water Utility Storage Tanks Water Supply Well Abandonment Rehabilitation of Water Supply Wells Redevelopment of Water Supply Wells Inspection and Testing of Water Utilities Leakage Detection Electrical Continuity Testing Operation and Maintenance of Sewer Utilities Television Inspection of Sewers Dye Testing of Sewers Smoke Testing Pipe Bursting Cleaning of Sewers Cleaning of Manholes Removal of Protruding Service Connection Chemical Treatment of Roots in Sewer Lines
33 01 10.54 33 01 10.56 33 01 10.57 33 01 10.58 33 01 10.59 33 01 10.81 33 01 10.91 33 01 10.92 33 01 12.11 33 01 12.13 33 01 30.13 33 01 30.11 33 01 30.13 33 01 30.41 33 01 30.42 33 01 30.44 33 01 30.44 33 01 30.61	Cleaning of Water Utility Piping Cleaning of Water Utility Storage Tanks Disinfection of Water Supply Wells Disinfection of Water Utility Piping Systems Disinfection of Water Utility Storage Tanks Water Supply Well Abandonment Rehabilitation of Water Supply Wells Redevelopment of Water Supply Wells Inspection and Testing of Water Utilities Leakage Detection Electrical Continuity Testing Operation and Maintenance of Sewer Utilities Television Inspection of Sewers Dye Testing of Sewers Smoke Testing Pipe Bursting Cleaning of Sewers Cleaning of Manholes Removal of Protruding Service Connection Chemical Treatment of Roots in Sewer Lines Packer Injection Grouting
33 01 10.54 33 01 10.56 33 01 10.57 33 01 10.58 33 01 10.59 33 01 10.81 33 01 10.91 33 01 10.92 33 01 12.11 33 01 12.11 33 01 30.13 33 01 30.11 33 01 30.13 33 01 30.41 33 01 30.42 33 01 30.43 33 01 30.44 33 01 30.44 33 01 30.61 33 01 30.72	Cleaning of Water Utility Piping Cleaning of Water Utility Storage Tanks Disinfection of Water Supply Wells Disinfection of Water Utility Piping Systems Disinfection of Water Utility Storage Tanks Water Supply Well Abandonment Rehabilitation of Water Supply Wells Redevelopment of Water Supply Wells Inspection and Testing of Water Utilities Leakage Detection Electrical Continuity Testing Operation and Maintenance of Sewer Utilities Television Inspection of Sewers Dye Testing of Sewers Smoke Testing Pipe Bursting Cleaning of Sewers Cleaning of Manholes Removal of Protruding Service Connection Chemical Treatment of Roots in Sewer Lines Packer Injection Grouting Cured-in-place Pipe Lining
33 01 10.54 33 01 10.56 33 01 10.57 33 01 10.58 33 01 10.59 33 01 10.81 33 01 10.91 33 01 10.92 33 01 12.11 33 01 12.11 33 01 30.13 33 01 30.11 33 01 30.13 33 01 30.41 33 01 30.42 33 01 30.44 33 01 30.44 33 01 30.44 33 01 30.44 33 01 30.72 33 01 30.72 33 01 30.73	Cleaning of Water Utility Piping Cleaning of Water Utility Storage Tanks Disinfection of Water Supply Wells Disinfection of Water Utility Piping Systems Disinfection of Water Utility Storage Tanks Water Supply Well Abandonment Rehabilitation of Water Supply Wells Redevelopment of Water Supply Wells Inspection and Testing of Water Utilities Leakage Detection Electrical Continuity Testing Operation and Maintenance of Sewer Utilities Television Inspection of Sewers Dye Testing of Sewers Smoke Testing Pipe Bursting Cleaning of Sewers Cleaning of Manholes Removal of Protruding Service Connection Chemical Treatment of Roots in Sewer Lines Packer Injection Grouting Cured-in-place Pipe Lining Cured-in-Place Point Repair
33 01 10.54 33 01 10.56 33 01 10.57 33 01 10.58 33 01 10.59 33 01 10.81 33 01 10.91 33 01 10.92 33 01 12.11 33 01 12.11 33 01 30.13 33 01 30.11 33 01 30.13 33 01 30.41 33 01 30.42 33 01 30.43 33 01 30.44 33 01 30.44 33 01 30.61 33 01 30.72	Cleaning of Water Utility Piping Cleaning of Water Utility Storage Tanks Disinfection of Water Supply Wells Disinfection of Water Utility Piping Systems Disinfection of Water Utility Storage Tanks Water Supply Well Abandonment Rehabilitation of Water Supply Wells Redevelopment of Water Supply Wells Inspection and Testing of Water Utilities Leakage Detection Electrical Continuity Testing Operation and Maintenance of Sewer Utilities Television Inspection of Sewers Dye Testing of Sewers Smoke Testing Pipe Bursting Cleaning of Sewers Cleaning of Manholes Removal of Protruding Service Connection Chemical Treatment of Roots in Sewer Lines Packer Injection Grouting Cured-in-place Pipe Lining

33 01 30.79 33 01 30.81 33 01 30.82 33 01 30.84 33 01 30.86 33 01 34 33 01 34.13 33 01 34.14 33 01 34.19 33 01 34.33 33 01 50 33 01 50.53 33 01 50.56 33 01 50.76 33 01 50.76 33 01 50.81 33 01 50.91 33 01 60 33 01 70.51 33 01 70.51 33 01 70.52 33 01 70.53 33 01 80 33 01 80 33 01 80.51 33 01 80.52	Fold-and-Form Pipe Lining Manhole Rehabilitation Epoxy Lining for Concrete Manholes Manhole Inserts Manhole Rim Adjustment Operation and Maintenance of Onsite Wastewater Disposal Systems Septic Tank Solids Removal Septic Tank Maintenance Septic Tank Maintenance Septic Tank Abandonment Maintenance of Onsite Sand Filters Operation and Maintenance of Hydrocarbon Utilities Cleaning of Hydrocarbon Conveyance Piping Cleaning of Hydrocarbon Storage Tanks Relining of Steel Hydrocarbon Storage Tanks Hydrocarbon Well Abandonment Rehabilitation of Hydrocarbon Wells Operation and Maintenance of Hydronic and Steam Energy Utilities Operation and Maintenance of Electrical Utilities Electrical Utility Visual Inspection Electrical Utility Insulation Testing Electrical Utility Insulation Oil/Fluid Analysis Operation and Maintenance of Communications Utilities Communication Utility Visual Inspection Communication Utility Thermographic Surveys
33 01 80.52 33 05 00	Common Work Results for Utilities
33 05 05 33 05 05.11 33 05 05.13 33 05 05.15 33 05 05.16 33 05 05.18 33 05 05.19 33 05 05.31 33 05 05.33 33 05 05.36 33 05 05.41 33 05 05.41 33 05 05.43 33 05 07.13 33 05 07.23 33 05 07.23 33 05 07.24 33 05 07.23 33 05 07.36 33 05 07.33 33 05 07.36 33 05 07.33 33 05 07.33 33 05 07.33 33 05 07.33 33 05 07.43 33 05 07.53 33 05 09.13 33 05 09.13 33 05 09.13 33 05 09.23 33 05 09.43 33 05 09.43 33 05 09.43	Buried Piping Installation Installing Bell-and-Spigot Joints Installing Push-on Joints Installing Butt-and-Strap Joints Installing Mechanical Joints Installing Restrained Joints Installing Restrained Joints Installing Restrained Joints Fusing Joints Hydrostatic Testing Infiltration and Exfiltration Testing Vacuum Testing Air Testing Mandrel Testing Lamp Testing Trenchless Installation of Utility Piping Utility Directional Drilling Utility Boring and Jacking Casing Piping for Utility Jacking Tunnelling Microtunnelling Utility Impact Moling Cable Trenching and Plowing Piping Specials for Utilities Couplings for Utility Piping Adapters for Utility Piping Thrust Restraint for Utility Piping Tappling Sleeves and Saddles for Utility Piping Aluminum Utility Pipe

33 05 12	Brass Utility Pipe
33 05 16	Cast-Iron Utility Pipe
33 05 17	Copper Utility Pipe and Tubing
33 05 19	Ductile-Iron Utility Pipe
33 05 21	High-Alloy Nickel Utility Pipe and Tubing
33 05 23	Stainless Steel Utility Pipe and Tubing
33 05 23.13	Duplex and Super-Duplex Stainless Steel Utility Pipe
33 05 23.23	300- and 400-Series Stainless Steel Utility Pipe
33 05 23.33	Special-Fabrication Stainless Steel Utility Pipe and Tubing
33 05 24	Steel Utility Pipe
33 05 24.13	Steel Other Tipe Steel Pipe and Tubing for Air and Gas Service
33 05 24.23	Steel Pipe for Water Service
33 05 24.26	Steel Pipe and Tubing for Utility Liquid Service
33 05 24.33	Steel Pipe for Bulk Materials Conveyance
33 05 27	Corrugated Metal Utility Pipe
33 05 27.13	Corrugated Metal Culvert Pipe
33 05 27.13	Corrugated Metal Slotted Pipe
33 05 27.33	Corrugated Metal Culvert Arch Pipe
33 05 31	Thermoplastic Utility Pipe
33 05 31.11	Polyvinyl Chloride Gravity Sewer Pipe
33 05 31.13	Polyvinyl Chloride Pressure Pipe
33 05 31.16	Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA
00 00 0 1110	C900 and AWWA C905)
33 05 31.19	Fusible Polyvinyl Chloride Pipe
33 05 31.21	Ribbed Polyvinyl Chloride Gravity Pipe
33 05 31.23	Dual-Wall Polyvinyl Chloride Profile Pipe
33 05 31.26	Polyvinyl Chloride Sleeve Pipe
33 05 31.27	Polyvinyl Chloride Perforated Drainage Pipe
33 05 31.29	Polyvinyl Chloride Electrical Duct
33 05 31.33	ABS Utility Pipe
33 05 33	Polyethylene Utility Pipe
33 05 33.13	Corrugated-Wall, Smooth Interior HDPE Gravity Pipe
33 05 33.23	Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906)
33 05 33.33	Corrugated, Perforated HDPE Drainage Pipe
33 05 33.36	Corrugated, Non-Perforated HDPE Drainage Pipe
33 05 33.53	HDPE Gas Utility Pipe
33 05 33.56	Medium-Density Polyethylene Gas Utility Pipe
33 05 33.63	HDPE Communication Duct
33 05 36	Fiberglass-Reinforced Plastic Utility Pipe
33 05 36.13	Fiberglass-Reinforced Plastic Pipe for Utility Air, Gas, and Odor Service
33 05 36.23	Fiberglass-Reinforced Plastic Pipe for Utility Liquid Service
33 05 36.33	Fiberglass-Reinforced Plastic Pipe for Electrical Service
33 05 37	Centrifugally Cast Fiberglass-Reinforced Polymer Mortar Utility Pipe
33 05 39	Concrete Pipe
33 05 39.11	Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C300)
33 05 39.13	Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301)
33 05 39.16	Reinforced Concrete Pressure Pipe, Non-cylinder Type (AWWA C302)
33 05 39.17	Concrete Pressure Pipe, Bar-Wrapped Steel-Cylinder Type (AWWA C303)
33 05 39.23 33 05 39.33	Reinforced Concrete Low-Head Pressure Utility Pipe Non-Reinforced Concrete Sewer and Culvert Pipe
33 05 39.36	Non-Reinforced Concrete Irrigation and Drainage Pipe
33 05 39.41	Reinforced Concrete Pipe for Sewers and Culverts
33 05 39.43	Perforated Concrete Utility Pipe
33 05 39.46	Reinforced Concrete Elliptical Pipe for Sewers and Culverts
33 05 39.49	Reinforced Concrete Box Sections for Sewers and Culverts

	33 05 39.63	Concrete Pipe Closures
	33 05 39.66 33 05 39.69	Concrete Pipe Thrust Restraints Concrete Pipe Wall Fittings
	33 05 41	Vitrified Clay Utility Pipe
	33 05 43	Ceramic Drainage Tile
	33 05 46	Asbestos Cement Utility Pipe
	33 05 61	Concrete Manholes
	33 05 63	Concrete Vaults and Chambers
	33 05 66	Concrete Distribution Chambers
	33 05 69	Concrete Trenchways
	33 05 71	Cleanouts
	33 05 73	Polyethylene Manholes
	33 05 76	Fiberglass Manholes
	33 05 77	Fiberglass Metering Manholes
	33 05 81	Metallic Castings for Utility Structures
	33 05 83	Non-Metallic Accessories for Utility Structures
	33 05 93	Common Motor Requirements for Utilities
	33 05 96	Vibration and Seismic Controls for Utilities
	33 05 97 33 05 97.13	Identification and Signage for Utilities Signage for Utilities
	33 05 97.16	Markers for Utility Identification
	33 05 97.23	Underground Utility Warning Tape
	33 05 97.33	Utility Identification Flags
33 (06 00	Schedules for Utilities
	33 06 05	Schedules for Utility Piping
	33 06 10	Schedules for Water Utilities
	33 06 30	Schedules for Sanitray Sewerage Utiltiies
	33 06 40	Schedules for Stormwater Utilities
	33 06 40.13	Stormwater Drainage System Schedules
	33 06 50	Schedules for Hydrocarbon Utilities
	33 06 60	Schedules for Hydronic and Steam Energy Utilities Schedules for Electrical Utilities
	33 06 70 33 06 80	Schedules for Communications Utilities
22 (
33 (08 00	Commissioning of Utilities
	33 08 10	Commissioning of Water Utilities
	33 08 30 33 08 40	Commissioning of Sanitary Sewerage Utilities Commissioning of Stormwater Utilities
	33 08 50	Commissioning of Hydrocarbon Utilities
	33 08 60	Commissioning of Hydronic and Steam Energy Utilities
	33 08 70	Commissioning of Electrical Utilities
	33 08 80	Commissioning of Communications Utilities
33 (09 00	Instrumentation and Control for Utilities
	33 09 01	Utility Meter Registers
	33 09 01.13	Mechanical Registers
	33 09 01.23	Pulse Registers
	33 09 01.33	Encoder Registers
	33 09 02	Touch-based Utility Meter Reading Equipment
	33 09 03	Handheld Radio Frequency Utility Meter Reading Equipment
	33 09 04	Mobile Radio Frequency Utility Meter Reading Equipment
	33 09 05	Fixed-Network Radio Frequency Utility Meter Reading Equipment
	33 09 06	Satellite Radio Frequency Utility Meter Reading Equipment

	33 09 07	Power Line Communication Utility Meter Reading Equipment
	33 09 08	Wireless Local Area Network Utility Meter Reading Equipment
	33 09 09	Meter Data Acquisition and Hosting Software
	33 09 10	Instrumentation and Control for Water Utilities
	33 09 30	Instrumentation and Control for Sanitary Sewerage Utilities
	33 09 40	Instrumentation and Control for Stormwater Utilities
	33 09 50	Instrumentation and Control for Hydrocarbon Utilities
	33 09 53	Leak Detection for Hydrocarbon Systems
	33 09 60	Instrumentation and Control for Hydronic and Steam Energy Utilities
	33 09 70	Instrumentation and Control for Electrical Utilities
	33 09 80	Instrumentation and Control for Communications Utilities
33	10 00	Water Utilities
33 '	11 00	Groundwater Sources
	33 11 11	Test Wells
	33 11 13	Potable Water Supply Wells
	33 11 16	Irrigation Wells
	33 11 19	Aquifer Recharging Wells
	33 11 33	Vertically Suspended Dry-Location Centrifugal Well Pumps
	33 11 36	Submersible Centrifugal Well Pumps
	33 11 39	Jet-Type Well Pumps
	33 11 53	Monitoring Wells
33 '	12 00	Surface Water Sources
	33 12 11	Intake Structure Systems
	33 12 13	Intake Cribs
	33 12 16	Intake Drop and Riser Shafts
	33 12 31	Reservoir Weight-tensioned, Defined Sump Floating Covers
	33 12 31.13	Reservoir Weight-tensioned, Defined Sump Polyethylene-reinforced Floating Covers
	33 12 31.23	Reservoir Weight-tensioned, Defined Sump Polypropylene-reinforced Floating
		Covers
	33 12 33	Reservoir Mechanically-tensioned Floating Covers
	33 12 33.13	Reservoir Mechanically-tensioned Polyethylene-reinforced Floating Covers
	33 12 33.23	Reservoir Mechanically-tensioned Polypropylene-reinforced Floating Covers
	33 12 36	Reservoir Short-term Floating Covers
	33 12 39	Reservoir Ball Floating Covers
	33 12 43	Floats for Reservoir Floating Covers
	33 12 46	Appurtenances for Reservoir Floating Covers
22	33 12 53	Reservoir Flexible Baffle Curtains
33	14 00	Water Utility Transmission and Distribution
	33 14 11	Water Utility Transmission Piping
	33 14 13	Public Water Utility Distribution Piping
	33 14 16	Site Water Utility Distribution Piping
	33 14 17 33 14 19	Site Water Utility Service Laterals Valves and Hydrants for Water Utility Service
	33 14 19	Enclosures for Water Utility Piping and Valves
	33 14 23.11	Heated, Insulated Aluminum Enclosures for Water Utility Piping and Valves
	33 14 23.11	Heated, Insulated Fiberglass Enclosures for Water Utility Piping and Valves
	33 14 23.16	Unheated, Insulated Aluminum Enclosures for Water Utility Piping and Valves
	33 14 23.17	Unheated, Insulated Fiberglass Enclosures for Water Utility Piping and Valves
	33 14 23.23	Fiberglass Artificial Rock Enclosures for Water Utility Piping and Valves

	33 14 23.26	Plastic Artificial Rock Enclosures for Water Utility Piping and Valves
	33 14 23.33	Enclosures for Water Utility Air Valves
00	33 14 43	Packaged Pumping Systems for Water Utility Service
33	16 00	Water Utility Storage Tanks
	33 16 11	Elevated Composite Water Storage Tanks
	33 16 13	Elevated Pillar-Type Steel Water Storage Tanks
	33 16 16	Multi-Column Elevated Steel Water Storage Tanks
	33 16 19	Elevated Spheroid Steel Water Storage Tanks
	33 16 23	Ground-Level Steel Water Storage Tanks
	33 16 31	Ground-Level AWWA D110 Type I Prestressed Concrete Water Storage Tanks
	33 16 32	Ground-Level AWWA D110 Type II Prestressed Concrete Water Storage Tanks
	33 16 33	Ground-Level AWWA D110 Type III Prestressed Concrete Water Storage Tanks
	33 16 36	Ground-Level Reinforced Concrete Water Storage Tanks
	33 16 53	Ground-Level Metal Water Storage Cisterns
	33 16 56	Ground-Level Plastic Water Storage Cisterns
	33 16 61	Underground Concrete Water Storage Cisterns
	33 16 63	Underground Non-Metallic Water Storage Cisterns
	33 16 66	Underground Plastic Modular Water Storage Cisterns
	33 16 93	Water Storage Tank Interior Curtain Walls
	33 16 96	Water Storage Tank Appurtenances
33	19 00	Water Utility Metering Equipment
	33 19 13	Positive Displacement Water Meters
	33 19 13.13	Oscillating Piston Water Meters
	33 19 13.23	Nutating Disc Water Meters
	33 19 16	Velocity-Type Water Meters
	33 19 16.13	Single-Jet Water Meters
	33 19 16.16	Multi-Jet Water Meters
	33 19 16.23 33 19 16.26	Turbine Water Meters Fire-Type Turbine Water Meters
	33 19 16.29	Portable Fire Hydrant-Type Turbine Water Meters
	33 19 16.33	Propeller Water Meters
	33 19 19	Compound Water Meters
	33 19 23	Magnetic Water Meters
	33 19 26	Ultrasonic Water Meters
	33 19 29	Pre-paid Water Meters
33	30 00	Sanitary Sewerage
33	31 00	Sanitary Sewerage Piping
	33 31 11	Public Sanitary Sewerage Gravity Piping
	33 31 13	Site Sanitary Sewerage Gravity Piping
	33 31 16	Site Sanitary Sewerage Gravity Service Laterals
	33 31 19	Small-Diameter Sanitary Sewerage Gravity Piping
	33 31 23	Sanitary Sewerage Force Main Piping
	33 31 26	Sanitary Pressure Sewer Piping
	33 31 29	STEP System Piping
33	32 00	Sanitary Sewerage Equipment
	33 32 11	Field-Erected Wastewater Pumping Stations
	33 32 13	Packaged Wastewater Pumping Stations

	33 32 16	Packaged Wastewater Grinder Pump Assemblies	
	33 32 19 Septic Tank Effluent Pumps		
	33 32 26	Pneumatic Sewage Ejectors	
	33 32 33	Wastewater Collection Vacuum Stations	
	33 32 36	Pneumatic Wastewater Vacuum Valve Sumps	
33	34 00	Onsite Wastewater Disposal	
	33 34 13	Septic Tanks	
	33 34 13.13	Concrete Septic Tanks	
	33 34 13.23	Fiberglass Septic Tanks	
	33 34 13.33	Polyethylene Septic Tanks	
	33 34 16	Septic Tank Effluent Filters	
	33 34 16.13	Septic Tank Gravity Effluent Filters	
	33 34 16.16	Septic Tank Assessories	
	33 34 19 33 34 23	Septic Tank Accessories Onsite Acrebic Equipment	
	33 34 33	Onsite Aerobic Equipment Onsite Intermittent Westewater Filtration Systems	
	33 34 36	Onsite Intermittent Wastewater Filtration Systems Onsite Recirculating Wastewater Filtration Systems	
	33 34 51	Drainage Field System	
	33 34 53	Distribution Chambers	
	33 34 53.13	Drainage Field Concrete Distribution Chambers	
	33 34 53.23	Drainage Field Fiberglass Distribution Chambers	
	33 34 53.33	Drainage Field Polyethylene Distribution Chambers	
	33 34 56	Drainage Field Dosing Chambers	
	33 34 57	Drainage Field Infiltration Chambers	
33	36 00	Wastewater Utility Storage Tanks	
	33 36 23	Ground-Level Steel Wastewater Storage Tanks	
	33 36 31	Ground-Level AWWA D110 Type I Prestressed Concrete Wastewater	
		Storage Tanks	
	33 36 32	Ground-Level AWWA D110 Type II Prestressed Concrete Wastewater	
		Storage Tanks	
	33 36 33	Ground-Level AWWA D110 Type III Prestressed Concrete Wastewater	
		Storage Tanks	
	33 36 36	Ground-Level Reinforced Concrete Wastewater Storage Tanks	
	33 36 43	Underground Reinforced Concrete Wastewater Storage Tanks	
	33 36 53	Wastewater Storage Tunnel Systems	
33	37 00	Overflow Control	
	33 37 13	Bending Weirs	
	33 37 16	Spring-loaded Weirs	
	33 37 23	Flow Regulators	
	33 37 33	Swirl Concentrators	
	33 37 36	Vortex-Type Hydrodynamic Separators	
	33 37 43	Netting Systems	
	33 37 46	End-of-Pipe In-water Storage Systems	
33	40 00	Stormwater Utilities	
33	41 00	Subdrainage	
. .	33 41 13	Foundation Drainage	
	33 41 13.13	Foundation Drainage Piping	
	33 41 13.16	Geocomposite Foundation Drainage	
	33 41 16	Subdrainage Piping	
	33 41 16.16	Geocomposite Subdrainage	

	33 41 16.19 33 41 19 33 41 19.13 33 41 19.16	Pipe Underdrains Underslab Drainage Underslab Drainage Piping Geocomposite Underslab Drainage
	33 41 23	Drainage Layers
	33 41 23.16	Gravel Drainage Layers
	33 41 23.19	Geosynthetic Drainage Layers
	33 41 33	Retaining Wall Drainage
	33 41 43	Synthetic-Media French Drains
33	42 00	Stormwater Conveyance
	33 42 11	Stormwater Gravity Piping
	33 42 13	Stormwater Culverts
	33 42 16	Stormwater Force Main Piping
	33 42 23	Headwalls and Endwalls for Stormwater Piping
	33 42 26	End Sections for Stormwater Piping
	33 42 26.11	Aluminum End Sections for Stormwater Piping
	33 42 26.13	Steel End Sections for Stormwater Piping
	33 42 26.16 33 42 26.23	Corrugated Metal End Sections for Stormwater Piping Concrete End Sections for Stormwater Piping
	33 42 31	Stormwater Area Drains and Inlets
	33 42 33	Stormwater Curbside Drains and Inlets
	33 42 36	Stormwater Trench Drains
	33 42 41	Gratings and Frames for Stormwater Drainage Inlets
	33 42 41.11	Aluminum Gratings and Frames for Stormwater Drainage inlets
	33 42 41.21	Brass Gratings and Frames for Stormwater Drainage inlets
	33 42 41.31	Cast-Iron Gratings and Frames for Stormwater Drainage Inlets
	33 42 41.41	Chrome Gratings and Frames for Stormwater Drainage inlets
	33 42 41.51	Steel Gratings and Frames for Stormwater Drainage Inlets
		- File and a configuration of Farmer of the Otensian to Buriness in the Inter-
00	33 42 41.61	Fiberglass Gratings and Frames for Stormwater Drainage Inlets
33	44 00	Stormwater Utility Equipment
33	44 00 33 44 11	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations
33	44 00 33 44 11 33 44 13	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations
33	44 00 33 44 11 33 44 13 33 44 21	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters
33	44 00 33 44 11 33 44 13 33 44 21 33 44 23	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters Inline Stormwater Filters
33	44 00 33 44 11 33 44 13 33 44 21 33 44 23 33 44 26	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters Inline Stormwater Filters Stormwater Catch Basin Insert Filters
33	33 44 11 33 44 13 33 44 21 33 44 23 33 44 26 33 44 27	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters Inline Stormwater Filters Stormwater Catch Basin Insert Filters Stormwater Trench Drain Insert Filters
33	33 44 11 33 44 13 33 44 21 33 44 23 33 44 26 33 44 27 33 44 31	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters Inline Stormwater Filters Stormwater Catch Basin Insert Filters Stormwater Trench Drain Insert Filters Stormwater Membrane Filtration
33	33 44 11 33 44 13 33 44 21 33 44 23 33 44 26 33 44 27 33 44 31 33 44 33	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters Inline Stormwater Filters Stormwater Catch Basin Insert Filters Stormwater Trench Drain Insert Filters Stormwater Membrane Filtration Stormwater Trash and Debris Guards
33	33 44 11 33 44 13 33 44 21 33 44 23 33 44 26 33 44 27 33 44 31 33 44 33 33 44 36	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters Inline Stormwater Filters Stormwater Catch Basin Insert Filters Stormwater Trench Drain Insert Filters Stormwater Membrane Filtration Stormwater Trash and Debris Guards Oil and Stormwater Separators
33	33 44 11 33 44 13 33 44 21 33 44 23 33 44 26 33 44 27 33 44 31 33 44 33 33 44 36 33 44 43	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters Inline Stormwater Filters Stormwater Catch Basin Insert Filters Stormwater Trench Drain Insert Filters Stormwater Membrane Filtration Stormwater Trash and Debris Guards Oil and Stormwater Separators Vortex-Type Hydrodynamic Separators
	33 44 11 33 44 13 33 44 21 33 44 23 33 44 26 33 44 27 33 44 31 33 44 33 33 44 36 33 44 43 33 44 53	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters Inline Stormwater Filters Stormwater Catch Basin Insert Filters Stormwater Trench Drain Insert Filters Stormwater Membrane Filtration Stormwater Trash and Debris Guards Oil and Stormwater Separators Vortex-Type Hydrodynamic Separators Stormwater Area Drainage Pop-up Relief Valves
	33 44 11 33 44 13 33 44 21 33 44 23 33 44 26 33 44 27 33 44 31 33 44 33 33 44 36 33 44 43 33 44 53 46 00	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters Inline Stormwater Filters Stormwater Catch Basin Insert Filters Stormwater Trench Drain Insert Filters Stormwater Membrane Filtration Stormwater Trash and Debris Guards Oil and Stormwater Separators Vortex-Type Hydrodynamic Separators Stormwater Area Drainage Pop-up Relief Valves Stormwater Management
	33 44 11 33 44 13 33 44 21 33 44 23 33 44 26 33 44 27 33 44 31 33 44 33 33 44 36 33 44 43 33 44 53 46 00 33 46 11	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters Inline Stormwater Filters Stormwater Catch Basin Insert Filters Stormwater Trench Drain Insert Filters Stormwater Membrane Filtration Stormwater Trash and Debris Guards Oil and Stormwater Separators Vortex-Type Hydrodynamic Separators Stormwater Area Drainage Pop-up Relief Valves Stormwater Management Stormwater Ponds
	33 44 11 33 44 13 33 44 21 33 44 23 33 44 26 33 44 27 33 44 31 33 44 33 33 44 36 33 44 43 33 44 53 46 00 33 46 11 33 46 11.13	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters Inline Stormwater Filters Stormwater Catch Basin Insert Filters Stormwater Trench Drain Insert Filters Stormwater Membrane Filtration Stormwater Trash and Debris Guards Oil and Stormwater Separators Vortex-Type Hydrodynamic Separators Stormwater Area Drainage Pop-up Relief Valves Stormwater Management Stormwater Ponds Stormwater Detention Ponds
	33 44 11 33 44 13 33 44 21 33 44 23 33 44 26 33 44 27 33 44 31 33 44 33 33 44 36 33 44 43 33 44 53 46 00 33 46 11 33 46 11.13 33 46 11.23	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters Inline Stormwater Filters Stormwater Catch Basin Insert Filters Stormwater Trench Drain Insert Filters Stormwater Membrane Filtration Stormwater Trash and Debris Guards Oil and Stormwater Separators Vortex-Type Hydrodynamic Separators Stormwater Area Drainage Pop-up Relief Valves Stormwater Management Stormwater Ponds Stormwater Detention Ponds Stormwater Retention Ponds
	33 44 11 33 44 13 33 44 21 33 44 23 33 44 26 33 44 27 33 44 31 33 44 33 33 44 36 33 44 43 33 44 53 46 00 33 46 11 33 46 11.13 33 46 11.23 33 46 11.33	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters Inline Stormwater Filters Stormwater Catch Basin Insert Filters Stormwater Trench Drain Insert Filters Stormwater Membrane Filtration Stormwater Trash and Debris Guards Oil and Stormwater Separators Vortex-Type Hydrodynamic Separators Stormwater Area Drainage Pop-up Relief Valves Stormwater Management Stormwater Ponds Stormwater Detention Ponds Stormwater Retention Ponds Fire Protection Ponds
	33 44 11 33 44 13 33 44 21 33 44 23 33 44 26 33 44 27 33 44 31 33 44 33 33 44 36 33 44 43 33 44 53 46 00 33 46 11 33 46 11.13 33 46 11.23	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters Inline Stormwater Filters Stormwater Catch Basin Insert Filters Stormwater Trench Drain Insert Filters Stormwater Membrane Filtration Stormwater Trash and Debris Guards Oil and Stormwater Separators Vortex-Type Hydrodynamic Separators Stormwater Area Drainage Pop-up Relief Valves Stormwater Management Stormwater Ponds Stormwater Detention Ponds Stormwater Retention Ponds
	33 44 11 33 44 13 33 44 21 33 44 23 33 44 26 33 44 27 33 44 31 33 44 33 33 44 36 33 44 43 33 44 53 46 00 33 46 11.13 33 46 11.23 33 46 11.23 33 46 11.33 33 46 11.43	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters Inline Stormwater Filters Stormwater Catch Basin Insert Filters Stormwater Trench Drain Insert Filters Stormwater Membrane Filtration Stormwater Trash and Debris Guards Oil and Stormwater Separators Vortex-Type Hydrodynamic Separators Stormwater Area Drainage Pop-up Relief Valves Stormwater Management Stormwater Ponds Stormwater Detention Ponds Stormwater Retention Ponds Fire Protection Ponds Cooling Water Ponds
	33 44 11 33 44 13 33 44 21 33 44 23 33 44 26 33 44 27 33 44 31 33 44 33 33 44 36 33 44 43 33 44 53 46 00 33 46 11.13 33 46 11.23 33 46 11.23 33 46 11.43 33 46 11.43 33 46 11.43	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters Inline Stormwater Filters Stormwater Catch Basin Insert Filters Stormwater Trench Drain Insert Filters Stormwater Membrane Filtration Stormwater Trash and Debris Guards Oil and Stormwater Separators Vortex-Type Hydrodynamic Separators Stormwater Area Drainage Pop-up Relief Valves Stormwater Management Stormwater Ponds Stormwater Detention Ponds Stormwater Retention Ponds Fire Protection Ponds Cooling Water Ponds Outlet Structures for Stormwater Ponds
	33 44 11 33 44 13 33 44 21 33 44 23 33 44 26 33 44 27 33 44 31 33 44 33 33 44 36 33 44 43 33 44 53 46 00 33 46 11 33 46 11.23 33 46 11.23 33 46 11.33 33 46 11.43 33 46 16.13	Stormwater Utility Equipment Field-Erected Stormwater Pumping Stations Packaged Stormwater Pumping Stations Stormwater Downspout Filters Inline Stormwater Filters Stormwater Catch Basin Insert Filters Stormwater Trench Drain Insert Filters Stormwater Membrane Filtration Stormwater Trash and Debris Guards Oil and Stormwater Separators Vortex-Type Hydrodynamic Separators Stormwater Area Drainage Pop-up Relief Valves Stormwater Management Stormwater Ponds Stormwater Ponds Stormwater Retention Ponds Fire Protection Ponds Cooling Water Ponds Outlet Structures for Stormwater Ponds Stormwater Pond Concrete Outlet Structures

33 46	53 Stormwa	ater Leaching Pits
33 46		<u> </u>
33 46		e Modular Biofiltration Cells
33 46		rotection Prefilters
33 50 0	•	ocarbon Utilities
33 51 00	Hydro	carbon Sources
33 51	13 Appraisa	al Wells for Liquid Hydrocarbons
33 51		al Wells for Gaseous Hydrocarbons
33 51		on Wells for Liquid Hydrocarbons
33 51		on Wells for Gaseous Hydrocarbons
33 51	•	njection Wells
33 51	•	ection Wells
33 51 33 51		ng Wells cating Pumpjack
33 51	•	sible Liquid Hydrocarbon Pumps
33 52 00		carbon Transmission and Distribution
33 52	_	ydrocarbon Piping
33 52	-	drocarbon Piping
33 52	,	tural Gas Piping
33 52		Density Polyethylene Piping for Natural Gas
33 52 1	•	nsity Polyethylene Piping for Natural Gas
33 52	,	rbon Piping Handling
33 52 7		bon Piping Stringing, Storing, and Stacking
33 52 33 52 2		arbon Piping Welding /drocarbon Piping Welding
33 52 2		rocarbon Piping Welding
33 52	•	urbon Piping Pigging
33 52 2	26.13 Hydrocar	bon Piping Pig Launchers
33 52 2		bon Piping Pig Receivers
33 52 2	•	Hydrocarbon Piping
33 53 00		carbon Utility Pressure Regulation
33 53	•	ydrocarbon Pressure Regulation
33 53	•	drocarbon Pressure Regulation
33 54 00	•	carbon Utility Safety Equipment
33 54	-	ydrocarbon Leak Detection Equipment
33 54 33 54	,	drocarbon Leak Detection Equipment urbon Pipeline Venting
33 54 2	,	/drocarbon Pipeline Venting
33 54 2		rocarbon Pipeline Venting
33 56 00	•	carbon Storage
33 56		ound Hydrocarbon Storage Tanks
33 56	•	Level Fixed Roof Hydrocarbon Storage Tanks
33 56 2		Vall Ground-Level Fixed Roof Metallic Hydrocarbon Storage Tanks
33 56 2		/all Ground-Level Fixed Roof Metallic Hydrocarbon Storage Tanks
33 56 2 33 56 2		'all Ground-Level Fixed Roof Non-Metallic Hydrocarbon Storage Tanks Vall Ground-Level Fixed Roof Non-Metallic Hydrocarbon Storage Tanks
33 56		Level External Floating Roof Hydrocarbon Storage Tanks
33 56		Level Internal Floating Roof Hydrocarbon Storage Tanks
33 56		ound Hydrocarbon Storage
33 56 3		Vall Metallic Underground Hydrocarbon Storage Tanks

	33 56 33.23 33 56 33.26 33 56 33.29 33 56 33.43 33 56 43 33 56 43.13 33 56 43.53 33 56 53 33 56 60	Single-Wall Metallic Underground Hydrocarbon Storage Tanks Single-Wall Non-Metallic Underground Hydrocarbon Storage Tanks Double-Wall Non-Metallic Underground Hydrocarbon Storage Tanks Underground Hydrocarbon Storage Caverns Aviation Fuel Storage Tanks Ground-Level Aviation Fuel Storage Tanks Underground Aviation Fuel Storage Tanks Compressed Gaseous Hydrocarbon Storage Tanks Moveable Hydrocarbon Storage Tanks
	33 56 93	Hydrocarbon Tank Linings
	33 56 96	Hydrocarbon Storage Tank Appurtenances
33	57 00	Bulk Hydrocarbons Receiving/Dispensing Equipment
33	59 00	Hydrocarbon Utility Metering
	33 59 11	Diaphragm/Bellows Hydrocarbons Meters
	33 59 13	Hydrocarbons Rotary Meters
	33 59 16	Hydrocarbons Turbine Meters
	33 59 19	Hydrocarbons Orifice Meters
	33 59 23	Hydrocarbons Ultrasonic Flow Meters
	33 59 26	Hydrocarbons Coriolis Meters
	33 59 43	Liquid Hydrocarbon Sampling and Quality Analysis Instrumentation
	33 59 46	Gas Hydrocarbon Sampling and Quality Analysis Instrumentation
33	60 00	Hydronic and Steam Energy Utilities
33	61 00	Hydronic Energy Distribution
	33 61 13	Buried Hydronic Energy Distribution
	33 61 23	Ground-Level Hydronic Energy Distribution
	33 61 27	Prefabricated Energy Distribution
	33 61 29	Pre-Engineered, Field-Assembled Energy Distribution
	33 61 33	Hydronic Energy Distribution Metering
33	63 00	Steam Energy Distribution
	33 63 13	Underground Steam and Condensate Distribution Piping
	33 63 13.13	Shallow-Trench Steam Distribution Piping
	33 63 13.16	Utilidor Steam Distribution Piping
	33 63 23	Ground-Level Steam and Condensate Distribution Piping
22	33 63 33	Steam Energy Distribution Metering
	70 00	Electrical Utilities
33	71 00	Electrical Utility Transmission and Distribution
	33 71 13	Electrical Utility Towers
	33 71 13.13	Precast Concrete Electrical Utility Towers
	33 71 13.23	Steel Electrical Utility Towers
	33 71 13.33 33 71 16	Wood Electrical Utility Towers Electrical Poles
	33 71 16.13	Precast Concrete Electrical Utility Poles
	33 71 16.23	Steel Electrical Utility Poles
	33 71 16.33	Wood Electrical Utility Poles
	33 71 19	Electrical Underground Ducts, Ductbanks,and Manholes
	33 71 19.13	Electrical Manholes and Handholes
	33 71 19.23	Trenched Electrical Underground Duct and Ductbanks
	33 71 19.33	Trenchless Electrical Underground Duct and Ductbanks
	33 71 23 33 71 23.13	Insulators and Fittings Suspension Insulators
	00 1 1 20.10	Ouspension insulators

	33 71 23.16	Post Insulators
	33 71 23.23	Potheads
	33 71 26	Transmission and Distribution Equipment
	33 71 26.13	Capacitor Banks
	33 71 26.16	Coupling Capacitors
	33 71 26.23	Current Transformers
	33 71 26.26	Potential Transformers
	33 71 36	Extra-High-Voltage Transmission Wiring
	33 71 36.13	Overhead Extra-High-Voltage Transmission Wiring
	33 71 39	High-Voltage Transmission Wiring
	33 71 39.13	Overhead High-Voltage Transmission Wiring
	33 71 39.23	Underground High-Voltage Transmission Wiring
	33 71 39.33	Underwater High-Voltage Transmission Wiring
	33 71 49	Medium-Voltage Transmission Wiring
	33 71 49.13	Overhead Medium-Voltage Transmission Wiring
	33 71 49.23	Underground Medium-Voltage Transmission Wiring
	33 71 49.33	Underwater Medium-Voltage Transmission Wiring
	33 71 53	Direct-Current Transmission
	33 71 73	Electrical Utility Services
	33 71 83	Transmission and Distribution Specialties
33	72 00	Utility Substations
	33 72 13	Deadend Structures
	33 72 23	Structural Bus Supports
	33 72 23.13	Bus Support Insulators
	33 72 26	Substation Bus Assemblies
	33 72 26.13	Aluminum Substation Bus Assemblies
	33 72 26.16	Copper Substation Bus Assemblies
	33 72 33	Control House Equipment
	33 72 33.13	Relays
	33 72 33.16	Substation Control Panels
	33 72 33.23	Power-Line Carriers
	33 72 33.26	Substation Metering
	33 72 33.43	Substation DC Supply
	33 72 43	Substation Control Wiring
	33 72 53	Shunt Reactors
	33 72 63	Substation Disconnect Switches
	33 72 63.13	Vertical Break Disconnect Switches
	33 72 63.16	Double End Break Disconnect Switches
	33 72 63.19	Double End Break "Vee" Disconnect Switches
	33 72 63.21	Center Break Disconnect Switches
	33 72 63.23	Center Break "Vee" Disconnect Switches
	33 72 63.26	Single Side Break Disconnect Switches
	33 72 63.27	Vertical Reach Disconnect Switches
	33 72 63.29	Grounding for Substation Disconnect Switches
	33 72 63.31	Hook Sticks
33	73 00	Utility Transformers
	33 73 13	Liquid-Filled Utility Transformers
	33 73 23	Dry-Type Utility Transformers
33	74 00	Extra High Voltage (EHV) Switchgear and protection
J J	, 7 00	
		devices
	33 74 13	Air EHV Circuit Breaker
	33 74 16	Oil EHV Circuit Breaker

	33 74 19	Gas EHV Circuit Breaker
	33 74 30	EHV Disconnect switch
	33 74 36	EHV Utility Fuses
	33 74 39	EHV Surge Arresters
	33 74 40	EHV Rod Gap
	33 74 43	EVH Shunt Reactors
	33 74 43.13	EHV Shunt Reactor Banks
00	33 74 43.16	EHV Current Limiting Reactors
33	75 00	High-Voltage Switchgear and Protection Devices
	33 75 13	Air High-Voltage Circuit Breaker
	33 75 16	Oil High-Voltage Circuit Breaker
	33 75 19	Gas High-Voltage Circuit Breaker
	33 75 23	Vacuum High-Voltage Circuit Breaker
	33 75 30	High-Voltage Disconnect Switch
	33 75 36	High-Voltage Utility Fuses
	33 75 39	High-Voltage Surge Arresters
	33 75 40	High-Voltage Rod Gap
33	77 00	Medium-Voltage Utility Switchgear and Protection
		Devices
	33 77 13	Air Medium-Voltage Circuit Breaker
	33 77 16	Oil Medium-Voltage Circuit Breaker
	33 77 19	Gas Medium-Voltage Circuit Breaker
	33 77 23	Vacuum Medium-Voltage Circuit Breaker
	33 77 26	Medium-Voltage Utility Fusible Interrupter Switchgear
	33 77 30	Medium-Voltage Disconnect Switch
	33 77 33	Medium-Voltage Utility Cutouts
	33 77 36	Medium-Voltage Utility Fuses
	33 77 39	Medium-Voltage Utility Surge Arresters
	33 77 40	Medium-Voltage Rod Gap
00	33 77 53	Medium-Voltage Utility Reclosers
	78 00	Substation Converter Stations
33	79 00	Site Grounding
	33 79 13	Site Improvement Grounding
	33 79 13.13	Fence Grounding
	33 79 16	Tower Grounding
	33 79 16.13	Communications Tower Grounding
	33 79 16.16 33 79 19	Antenna Tower Grounding Utilities Grounding
	33 79 19.13	Electrical Utilities Grounding
	33 79 19.16	Communications Utilities Grounding
	33 79 23	Utility Substation Grounding
	33 79 83	Site Grounding Conductors
	33 79 93	Site Lightning Protection
	33 79 93.13	Lightning Arrestors
	33 79 93.16	Lightning Strike Counters
	33 79 93.19	Lightning Strike Warning Devices
33	80 00	Communications Utilities
33	81 00	Communications Structures
	33 81 13	Monopole Communications Towers

33 81 16	Lattice Communications Towers
33 81 19	Guyed Communications Towers
33 81 21	Concealed Communications Towers
33 81 23	Broadcast Communications Towers
33 81 27	Aerial Cable Installation Hardware
33 81 29	Communications Vaults, Pedestals, and Enclosures
33 81 63	Cell Site Shelter Equipment
33 81 63.16	DC Rectifiers
33 81 63.19 33 81 63.23	Backup Batteries Baseband Microwave Processing
33 81 63.26	Base Station Transceivers
33 81 63.43	Remote Monitoring
33 82 00	Communications Transmission and Distribution
33 82 13	Copper Communications Transmission and Distribution Cabling
33 82 13.13	Copper Splicing and Terminations
33 82 23	Optical Fiber Communications Transmission and Distribution Cabling
33 82 23.13	Optical Fiber Splicing and Terminations
33 82 33	Coaxial Communications Transmission and Distribution Cabling
33 82 33.13	Coaxial Splicing and Terminations
33 82 43	Grounding and Bonding for Communications Transmission and Distribution
33 82 46	Cable Pressurization Equipment
33 82 53	Cleaning, Lubrication, and Restoration Chemicals
33 82 63	Shelter Equipment
33 82 63.13	Transceivers
33 82 63.16	Control Panels
33 82 63.23	Power-Line Carriers
33 82 63.43	Backup Batteries
33 83 00	Wireless Communications Transmission and
	Distribution
33 83 13	Laser Transmitters and Receivers
33 83 16	Microwave Transmitters and Receivers
33 83 17	Microwave Antennas
33 83 17.13	Microwave Waveguides
33 83 19	Infrared Transmitters and Receivers
33 83 23	Radio Antennas
34 00 00	Transportation
34 01 00	Operation and Maintenance of Transportation
	•
34 01 13	Operation and Maintenance of Roadways
34 01 23 34 01 23.13	Operation and Maintenance of Railways
34 01 23.81	Track Removal and Salvage Track Crosstie Replacement
34 01 33	Operation and Maintenance of Airfields
34 01 43	Operation and Maintenance of Bridges
34 05 00	·
	Common Work Results for Transportation
34 05 05	Selective Demolition for Transportation
34 05 13	Common Work Results for Roadways
34 05 23	Common Work Results for Railways
34 05 33	Common Work Results for Airports
34 05 43	Common Work Results for Bridges
34 06 00	Schedules for Transportation

34 06 13	Schedules for Roadways
34 06 23	Schedules for Railways
34 06 33	Schedules for Airfields
34 06 43	Schedules for Bridges
34 08 00	Commissioning of Transportation
34 08 13	Commissioning of Roadways
34 08 23	Commissioning of Railways
34 08 33	Commissioning of Airfields
34 08 43	Commissioning of Bridges
34 10 00	
	Guideways/Railways
34 11 00	Rail Tracks
34 11 13	Track Rails
34 11 13.13	Light Rail Track
34 11 13.23	Heavy Rail Track
34 11 16	Welded Track Rails
34 11 16.13	In-Track Butt-Welded Track Rail
34 11 16.16	Pressure-Welded Track Rail
34 11 16.19	Thermite-Welded Track Rail
34 11 19	Track Rail Joints
34 11 23	Special Trackwork
34 11 23.13	Ballasted Special Track Rail
34 11 23.16	Direct-Fixation Track
34 11 23.23	Running Rail
34 11 23.26	Precurved Running Rail
34 11 26	Ballasted Track Rail
34 11 26.13	Track Rail Ballast
34 11 26.16	Track Rail Subballast
34 11 29	Embedded Track Rail
34 11 33	Track Cross Ties
34 11 33.13	Concrete Track Cross Ties
34 11 33.16	Timber Track Cross Ties
34 11 33.19	Resilient Track Cross Ties
34 11 36	Track Rail Fasteners
34 11 36.13	Direct-Fixation Fasteners
34 11 39	Track Collector Pans
34 11 39.13	Fiberglass Track Collector Pans
34 11 93	Track Appurtenances and Accessories
34 12 00	Monorails
34 12 13	Elevated Monorails
34 12 16	On-Grade Monorails
34 12 19	Below-Grade Monorails
34 12 23	Maglev Monorail
34 12 63	Monorail Track
34 13 00	
	Funiculars
34 13 13	Inclined Railway
34 14 00	Cable Transportation
34 14 13	Aerial Tramways
34 14 19	Gondolas
34 14 26	Funitels
34 14 33	Chairlifts
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	34 14 39	Surface Lifts
	34 14 46	Ropeway Tows
	34 14 53	Cable Car Systems
34	20 00	Traction Power
34 2	21 00	Traction Power Distribution
	34 21 13	High Power Static Frequency Converters
	34 21 16	Traction Power Substations
	34 21 16.13	AC Traction Power Substations
	34 21 16.16	DC Traction Power Substations
	34 21 19	Traction Power Switchgear
	34 21 19.13	AC Traction Power Switchgear
	34 21 19.16 34 21 19.23	DC Traction Power Switchgear Frequency Changer
	34 21 23	Traction Power Transformer-Rectifier Units
34 :	23 00	Overhead Traction Power
U + <i>I</i>	34 23 13	Traction Power Poles
	34 23 16	Overhead Cable Suspension
	34 23 23	Overhead Traction Power Cables
34 3	24 00	Third Rail Traction Power
•	34 24 13	Bottom-Contact Third Rail
	34 24 16	Side-Contact Third Rail
	34 24 19	Top-Contact Third Rail
34	40 00	Transportation Signaling and Contro
		Equipment
		Equipment
24	44 00	Deadway Cianaling and Control Equipment
34 4	41 00	Roadway Signaling and Control Equipment
34 4	34 41 13	Traffic Signals
34 4	34 41 13 34 41 16	Traffic Signals Traffic Control Equipment
34 4	34 41 13 34 41 16 34 41 23	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment
	34 41 13 34 41 16 34 41 23 34 41 33	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment In Roadway Warning Lights
	34 41 13 34 41 16 34 41 23 34 41 33 42 00	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment In Roadway Warning Lights Railway Signaling and Control Equipment
	34 41 13 34 41 16 34 41 23 34 41 33	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment In Roadway Warning Lights Railway Signaling and Control Equipment Railway Signals
	34 41 13 34 41 16 34 41 23 34 41 33 42 00 34 42 13	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment In Roadway Warning Lights Railway Signaling and Control Equipment
	34 41 13 34 41 16 34 41 23 34 41 33 42 00 34 42 13 34 42 13.13 34 42 13.16 34 42 16	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment In Roadway Warning Lights Railway Signaling and Control Equipment Railway Signals General Railway Signal Requirements Signal Solid State Coded Track Circuits Train Control Wires and Cables
	34 41 13 34 41 16 34 41 23 34 41 33 42 00 34 42 13 34 42 13.13 34 42 13.16 34 42 16 34 42 19	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment In Roadway Warning Lights Railway Signaling and Control Equipment Railway Signals General Railway Signal Requirements Signal Solid State Coded Track Circuits Train Control Wires and Cables Vital Interlocking Logic Controllers
	34 41 13 34 41 16 34 41 23 34 41 33 42 00 34 42 13 34 42 13.16 34 42 16 34 42 19 34 42 23	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment In Roadway Warning Lights Railway Signaling and Control Equipment Railway Signals General Railway Signal Requirements Signal Solid State Coded Track Circuits Train Control Wires and Cables Vital Interlocking Logic Controllers Railway Control Equipment
	34 41 13 34 41 16 34 41 23 34 41 33 42 00 34 42 13 34 42 13.16 34 42 16 34 42 19 34 42 23 34 42 23.13	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment In Roadway Warning Lights Railway Signaling and Control Equipment Railway Signals General Railway Signal Requirements Signal Solid State Coded Track Circuits Train Control Wires and Cables Vital Interlocking Logic Controllers Railway Control Equipment Mainline Train Control Room Equipment
	34 41 13 34 41 16 34 41 23 34 41 33 42 00 34 42 13 34 42 13.16 34 42 16 34 42 19 34 42 23 34 42 23.13 34 42 23.13	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment In Roadway Warning Lights Railway Signaling and Control Equipment Railway Signals General Railway Signal Requirements Signal Solid State Coded Track Circuits Train Control Wires and Cables Vital Interlocking Logic Controllers Railway Control Equipment Mainline Train Control Room Equipment Yard Train Control Room Equipment
	34 41 13 34 41 16 34 41 23 34 41 33 42 00 34 42 13 34 42 13.16 34 42 16 34 42 19 34 42 23 34 42 23.13 34 42 23.16 34 42 23.19	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment In Roadway Warning Lights Railway Signaling and Control Equipment Railway Signals General Railway Signal Requirements Signal Solid State Coded Track Circuits Train Control Wires and Cables Vital Interlocking Logic Controllers Railway Control Equipment Mainline Train Control Room Equipment Yard Train Control Room Equipment Integrated Control Equipment
	34 41 13 34 41 16 34 41 23 34 41 33 42 00 34 42 13 34 42 13.16 34 42 16 34 42 19 34 42 23 34 42 23.13 34 42 23.13	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment In Roadway Warning Lights Railway Signaling and Control Equipment Railway Signals General Railway Signal Requirements Signal Solid State Coded Track Circuits Train Control Wires and Cables Vital Interlocking Logic Controllers Railway Control Equipment Mainline Train Control Room Equipment Yard Train Control Room Equipment
	34 41 13 34 41 16 34 41 23 34 41 33 42 00 34 42 13.13 34 42 13.16 34 42 16 34 42 19 34 42 23.13 34 42 23.13 34 42 23.13 34 42 23.19 34 42 23.23	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment In Roadway Warning Lights Railway Signaling and Control Equipment Railway Signals General Railway Signal Requirements Signal Solid State Coded Track Circuits Train Control Wires and Cables Vital Interlocking Logic Controllers Railway Control Equipment Mainline Train Control Room Equipment Yard Train Control Room Equipment Integrated Control Equipment Interlocking Railway Control Equipment
	34 41 13 34 41 16 34 41 23 34 41 33 42 00 34 42 13 34 42 13.16 34 42 16 34 42 19 34 42 23 34 42 23.13 34 42 23.16 34 42 23.19 34 42 23.23 34 42 23.23 34 42 23.23 34 42 23.23	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment In Roadway Warning Lights Railway Signaling and Control Equipment Railway Signals General Railway Signal Requirements Signal Solid State Coded Track Circuits Train Control Wires and Cables Vital Interlocking Logic Controllers Railway Control Equipment Mainline Train Control Room Equipment Yard Train Control Room Equipment Integrated Control Equipment Interlocking Railway Control Equipment Rail Network Equipment
	34 41 13 34 41 16 34 41 23 34 41 33 42 00 34 42 13 34 42 13.16 34 42 16 34 42 19 34 42 23 34 42 23.13 34 42 23.16 34 42 23.23 34 42 23.23 34 42 23.23 34 42 23.23	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment In Roadway Warning Lights Railway Signaling and Control Equipment Railway Signals General Railway Signal Requirements Signal Solid State Coded Track Circuits Train Control Wires and Cables Vital Interlocking Logic Controllers Railway Control Equipment Mainline Train Control Room Equipment Yard Train Control Room Equipment Integrated Control Equipment Integrated Control Equipment Rail Network Equipment Station Agent Equipment
34	34 41 13 34 41 16 34 41 23 34 41 33 42 00 34 42 13 34 42 13.16 34 42 16 34 42 19 34 42 23 34 42 23.13 34 42 23.16 34 42 23.19 34 42 23.23 34 42 23.23 34 42 23.23 34 42 23.23	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment In Roadway Warning Lights Railway Signaling and Control Equipment Railway Signals General Railway Signal Requirements Signal Solid State Coded Track Circuits Train Control Wires and Cables Vital Interlocking Logic Controllers Railway Control Equipment Mainline Train Control Room Equipment Yard Train Control Room Equipment Integrated Control Equipment Interlocking Railway Control Equipment Rail Network Equipment Station Agent Equipment Yard Management Equipment
34	34 41 13 34 41 16 34 41 23 34 41 33 42 00 34 42 13.13 34 42 13.16 34 42 13.16 34 42 19 34 42 23.13 34 42 23.13 34 42 23.19 34 42 23.23 34 42 23.23 34 42 23.33 34 42 23.33 34 42 23.33 34 42 23.33 34 42 23.33 34 42 33	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment In Roadway Warning Lights Railway Signaling and Control Equipment Railway Signals General Railway Signal Requirements Signal Solid State Coded Track Circuits Train Control Wires and Cables Vital Interlocking Logic Controllers Railway Control Equipment Mainline Train Control Room Equipment Yard Train Control Room Equipment Integrated Control Equipment Interlocking Railway Control Equipment Rail Network Equipment Station Agent Equipment Yard Management Equipment Supervisory Control and Data Acquisition
34	34 41 13 34 41 16 34 41 23 34 41 33 42 00 34 42 13 34 42 13.16 34 42 16 34 42 19 34 42 23 34 42 23.13 34 42 23.16 34 42 23.23 34 42 23.23 34 42 23.23 34 42 23.3 34 42 23.3 34 42 23.3 34 42 23.3 34 42 26 34 42 29 34 42 33 34 42 36 43 00	Traffic Signals Traffic Control Equipment Roadway Monitoring Equipment In Roadway Warning Lights Railway Signaling and Control Equipment Railway Signals General Railway Signal Requirements Signal Solid State Coded Track Circuits Train Control Wires and Cables Vital Interlocking Logic Controllers Railway Control Equipment Mainline Train Control Room Equipment Yard Train Control Room Equipment Integrated Control Equipment Interlocking Railway Control Equipment Rail Network Equipment Station Agent Equipment Yard Management Equipment Supervisory Control and Data Acquisition Airfield Signaling and Control Equipment

	34 43 13.11 34 43 13.12 34 43 13.13 34 43 13.19 34 43 13.23 34 43 13.26 34 43 13.29 34 43 13.33 34 43 13.36 34 43 16.13 34 43 16.13 34 43 16.19 34 43 19 34 43 23	Airport Destruction Lights Airfield Runway Identification Lights Airfield Runway and Taxiway Inset Lighting Adhesive for Inset Lighting & Wiring Airfield Short-Approach Lighting Equipment Airfield Omni-Directional-Approach Lighting Equipment Airfield Low-Intensity-Approach Lighting Equipment Airfield High-Intensity-Approach Lighting Equipment Airfield Precision-Approach Path Indicator Equipment Airfield Landing Equipment Microwave Airfield Landing Equipment Instrument Airfield Landing Equipment Airfield Visual-Approach Slope Indicator Equipment Airfield Traffic Control Tower Equipment Weather Observation Equipment
	34 43 23.13 34 43 23.16 34 43 26 34 43 26.13 34 43 26.16 34 43 26.19	Automatic Weather Observation Equipment Airfield Wind Cones Airfield Control Equipment Airfield Lighting Control Equipment Airfield Lighting PLC Control Equipment Airfield Lighting Regulator Assembly
34	48 00	Bridge Signaling and Control Equipment
	34 48 13 34 48 16	Operating Bridge Signals Operating Bridge Control Equipment
34	50 00	Transportation Fare Collection Equipment
34	52 00 34 52 16 34 52 16.13 34 52 26 34 52 26.13 34 52 26.16 34 52 33	Vehicle Fare Collection Vehicle Ticketing Equipment Vehicle Ticket Vending Machines Vehicle Fare Collection Equipment Vehicle Coin Fare Collection Equipment Vehicle Electronic Fare Collection Equipment Vehicle Fare Gates
34	54 00	Passenger Fare Collection
	34 54 16 34 54 16.13 34 54 16.16 34 54 16.23 34 54 26 34 54 26.13 34 54 26.16 34 54 33	Passenger Ticketing Equipment Passenger Ticket Vending Machines Passenger Addfare Machines Passenger Intermodal Transfer Machines Passenger Fare Collection Equipment Passenger Coin Fare Collection Equipment Passenger Electronic Fare Collection Equipment Passenger Fare Gates
34	70 00	Transportation Construction and
		Equipment
34	71 00	Roadway Construction
	34 71 13 34 71 13.13 34 71 13.16 34 71 13.19 34 71 13.26 34 71 13.29	Vehicle Barriers Vehicle Median Barriers Vehicle Crash Barriers Vehicle Traffic Barriers Vehicle Guide Rails Vehicle Barrier Fenders

34 71 16	Impact Attanuating Davison
34 71 10	Impact Attenuating Devices Vehicle Delineators
34 71 19.13	
34 71 19.16	Flexible Vehicle Delineators
34 72 00	Railway Construction
34 72 13	Railway Line
34 72 16	Railway Siding
34 73 00	Airfield Construction
34 73 13	Aircraft Tiedowns
34 73 16	Airfield Grounding
34 73 16.13	Aircraft Static Grounding
34 73 19	Jet Blast Barriers
34 73 23	Manufactured Airfield Control Towers
34 73 26	Manufactured Helipads
34 75 00	Roadway Equipment
34 75 13	Operable Roadway Equipment
34 75 13.13	Active Vehicle Barriers
34 76 00	Railway Equipment
34 76 13	Roadway Crossing Control Equipment
34 77 00	Transportation Equipment
34 77 13	Passenger Boarding Bridges
34 77 13.13	Fixed Aircraft Passenger Boarding Bridges
34 77 13.16	Movable Aircraft Passenger Boarding Bridges
34 77 13.23	Ship Passenger Boarding Bridges
34 77 33 34 77 36	Baggage Scanning Equipment
34 77 39	Baggage Scales Baggage Conveying Equipment
34 78 00	Weighing Equipment
34 78 13	Truck Scales
34 78 16	Weighbridges
34 78 23	Railroad Car Scales
34 78 33	Crane Scales
34 80 00	
	Bridges
34 81 00	Bridge Machinery
34 81 13	Single-Swing Bridge Machinery
34 81 16	Double-Swing Bridge Machinery
34 81 19	Cantilever Bridge Machinery
34 81 23	Lift Bridge Machinery
34 81 26 34 81 29	Sliding Bridge Machinery
34 81 32	Pontoon Bridge Machinery Bascule Bridge Machinery
34 82 00	·
	Bridge Specialties
34 82 13 34 82 13.13	Bridge Vibration Dampers Visco Elastic Bridge Vibration Dampers
34 82 13.16	Tuned-Mass Bridge Vibration Dampers
34 82 19	Bridge Pier Protection
34 82 19.13	Bridge Pier Ice Shields
35 00 00	Waterway and Marine Construction
33 00 00	waterway and maine constitution

35 01 00	Operation and Maintenance of Waterway and Marine Construction
35 01 30 35 01 40 35 01 40.51 35 01 40.92 35 01 50	Operation and Maintenance of Coastal Construction Operation and Maintenance of Waterway Construction Waterway Dredging Preservation of Water Courses Operation and Maintenance of Marine Construction
35 01 50.51 35 01 50.71 35 01 70	Marine Dredging Channel Excavation, Cleaning and Deepening Operation and Maintenance of Dams
35 05 00	Common Work Results for Waterway and Marine
	Construction
35 05 05 35 05 30 35 05 40 35 05 50 35 05 70	Selective Demolition for Waterway and Marine Construction Common Work Results for Coastal Construction Common Work Results for Waterway Construction Common Work Results for Marine Construction Common Work Results for Dams
35 06 00	Schedules for Waterway and Marine Construction
35 06 30 35 06 40 35 06 50 35 06 70	Schedules for Coastal Construction Schedules for Waterway Construction Schedules for Marine Construction Schedules for Dams
35 08 00	Commissioning of Waterway and Marine Construction
35 08 30 35 08 40	Commissioning of Coastal Construction Commissioning of Waterway Construction
35 08 50	Commissioning of Marine Construction
35 08 70	Commissioning of Dams
35 10 00	Waterway and Marine Signaling and
	Control Equipment
35 11 00 35 11 13 35 11 53	Signaling and Control Equipment for Waterways Signaling Equipment for Waterways Control Equipment for Waterways
35 12 00 35 12 13 35 12 13.13 35 12 33	Marine Signaling and Control Equipment Marine Signaling Equipment Lighthouse Equipment Marine Navigation Equipment
35 12 53 35 13 00 35 13 13 35 13 53	Marine Control Equipment Signaling and Control Equipment for Dams Signaling Equipment for Dams Control Equipment for Dams
35 20 00	Waterway and Marine Construction and
	Equipment
35 21 00 35 21 13 35 21 16 35 21 19	General Fabrications for Waterways Hydraulic Bifurcation Panels Hydraulic Bulkheads Hydraulic Manifolds

35 21 23 35 21 33 35 21 36 35 22 00 35 22 13 35 22 19 35 22 26 35 22 33 35 22 39 35 22 39 35 22 46 35 22 53 35 22 59 35 22 63	Penstocks Trash Racks Debris Cages Hydraulic Gates Spillway Crest Gates Hydraulic Head Gates Sluice Gates Miter Gates Sector Gates Tainter Gates Vertical Lift Hydraulic Gates Hydraulic Closure Gates Through-Levee Access Gates
35 24 00 35 24 13	Dredging Suction Dredging
35 24 13.11 35 24 13.13 35 24 13.16 35 24 13.23 35 24 13.26 35 24 21 35 24 23 35 24 26 35 24 33 35 24 36 35 24 43 35 24 46 35 24 53	Training Suction Dredging Cutter Suction Dredging Auger Suction Dredging Jet-Lift Dredging Air-Lift Dredging Bucket Dredging Clamshell Dredging Backhoe/Dipper Dredging Water Injection Dredging Pneumatic Dredging Bed-Levelling Dredging Krabbelaar Dredging Waterway Snag Removal
35 30 00	Coastal Construction
35 31 00 35 31 16.13 35 31 16.16 35 31 16.19 35 31 16.23 35 31 16.40 35 31 19.13 35 31 19.16 35 31 19.16 35 31 19.40 35 31 23 35 31 23.13 35 31 23.13 35 31 26.13 35 31 26.13 35 31 26.13 35 31 26.40 35 31 29 35 31 29.13	Shoreline Protection Seawalls Concrete Seawalls Segmental Seawalls Steel Sheet Piling Seawalls Timber Seawalls Stone Seawalls Revetments Sacked Cement-Sand Revetments Concrete Unit Masonry Revetments Gabion Revetments Stone Revetments Breakwaters Rubble Mound Breakwaters Precast Breakwater Modules Jetties Concrete Jetties Concrete Unit Masonry Jetties Gabion Jetties Stone Jetties Groins Concrete Groins

35 31 29.16 35 31 29.26 35 31 29.36 35 31 29.40 35 32 00	Concrete Unit Masonry Groins Steel Groins Gabion Groins Stone Groins Artificial Reefs
35 32 13 35 32 13.13 35 32 13.19 35 32 13.33 35 32 16 35 32 16.13 35 32 16.19	Scrap Material Artificial Reefs Scrap Concrete Artificial Reefs Scrap Steel Artificial Reefs Sunken Ship Artificial Reefs Constructed Artificial Reefs Constructed Concrete Artificial Reefs Constructed Steel Artificial Reefs
35 40 00	Waterway Construction and Equipment
35 41 00	Levees
35 41 13 35 41 13.13 35 41 13.16 35 41 16 35 41 19	Landside Levee Berms Stability Landside Levee Berms Seepage Landside Levee Berms Levee Cutoff Trenches Levee Relief Wells
35 42 00	Waterway Bank Protection
35 42 13 35 42 13.19 35 42 13.23 35 42 13.26 35 42 29 35 42 34 35 42 35 35 42 36 35 42 37 35 42 53 35 42 53.16 35 42 53.19 35 42 53.40	Piling Bank Protection Steel Sheet Piling Bank Protection Timber Piling Bank Protection Plastic Piling Bank Protection Grout-Bag Bank Protection Soil Reinforcement Bank Protection Slope Protection Bank Protection Gabion Bank Protection Riprap Bank Protection Wall Bank Protection Concrete Unit Masonry Wall Bank Protection Segmental Wall Bank Protection Stone Wall Bank Protection
35 43 00	Waterway Scour Protection
35 43 29 35 43 34 35 43 35 35 43 36 35 43 37 35 43 53 35 43 53.13 35 43 53.16 35 43 53.40	Grout-Bag Scour Protection Soil Reinforcement Scour Protection Slope Protection Scour Protection Gabion Scour Protection Riprap Scour Protection Wall Scour Protection Concrete Unit Masonry Wall Scour Protection Segmental Wall Scour Protection Stone Wall Scour Protection
35 49 00	Waterway Structures
35 49 13 35 49 13.13 35 49 13.16 35 49 23 35 49 23.13 35 49 23.23 35 49 26	Floodwalls Concrete Floodwalls Masonry Floodwalls Waterway Locks Concrete Waterway Locks Piling Waterway Locks Floodgate Machinery

35 50 00	Marine Construction and Equipment
	Marine Construction and Equipment
35 51 00 35 51 13	Floating Construction
35 51 13.23	Floating Piers Floating Wood Piers
35 51 13.26	Floating Plastic Piers
35 51 23	Pontoons
35 52 00	Offshore Platform Construction
35 52 13	Fixed Offshore Platform Construction
35 52 23	Semi-Submersible Offshore Platform Construction
35 52 33	Floating Offshore Platform Construction
35 53 00	Underwater Construction
35 53 23	Underwater Harbor Deepening
35 53 33 35 53 43	Underwater Pipeline Construction Underwater Foundation Construction
35 53 53	Underwater Structures Construction
35 53 63	Underwater Waterproofing
35 59 00	Marine Specialties
35 59 13	Marine Fenders
35 59 13.13	Prestressed Concrete Marine Fender Piling
35 59 13.16	Resilient Foam-Filled Marine Fenders
35 59 13.19	Rubber Marine Fenders
35 59 23 35 59 23.13	Buoys Mooring Buoys
35 59 23.16	Anchor Pendant Buoys
35 59 23.19	Navigation Buoys
35 59 29	Mooring Devices
35 59 29.13	Quick-Release Mooring Hooks
35 59 29.16 35 59 29.19	Laser Docking Systems Capstans
35 59 33	Marine Bollards and Cleats
35 59 33.13	Cast-Steel Marine Bollards and Cleats
35 59 33.16	Cast-Iron Marine Bollards and Cleats
35 59 33.19 35 59 33.23	Stainless-Steel Marine Bollards and Cleats Plastic Marine Bollards and Cleats
35 59 33.23 35 59 93	Marine Chain and Accessories
35 59 93.13	Marine Chain
35 59 93.16	Marine Shackles
35 59 93.19	Marine Chain Tensioners
35 70 00	Dam Construction and Equipment
35 71 00	Gravity Dams
35 71 13	Concrete Gravity Dams
35 71 16	Masonry Gravity Dams
35 71 19	Rockfill Gravity Dams
35 72 00	Arch Dams_
35 72 13	Concrete Arch Dams
35 73 00	Embankment Dams
35 73 13	Earth Embankment Dam
35 73 16	Rock Embankment Dams
35 74 00	Buttress Dams

25 74 42	Canavata Buttwasa Dama
35 74 13	Concrete Buttress Dams
35 79 00	Auxiliary Dam Structures
35 79 13	Fish Ladders
35 79 13.13	Concrete Fish Ladders
40 00 00	Process Interconnections
40 01 00	Operation and Maintenance of Process
	Interconnections
40 01 10	Operation and Maintenance of Gas and Vapor Process Piping
40 01 10	Operation and Maintenance of Liquids Process Piping
40 01 20	Operation and Maintenance of Solid and Mixed Materials Piping and
40 01 30	Chutes
40 01 40	Operation and Maintenance of Process Piping and Equipment Protection
40 01 60	Operation and Maintenance of Process Control and Process Facility
10 0 1 00	Enterprise Management Systems
40 01 70	Operation and Maintenance of Instrumentation for Process Systems
40 01 90	Operation and Maintenance of Primary Control Devices
40 05 00	Common Work Results for Process Interconnections
40 05 05	Exposed Piping Installation
40 05 06	Couplings, Adapters, and Specials for Process Piping
40 05 07	Hangers and Supports for Process Piping
40 05 07	Wall Pipes, Floor Pipes, and Pipe Sleeves
40 05 11	Aluminum Process Pipe
40 05 11	Brass Process Pipe
40 05 12	Bronze Process Pipe
40 05 17	Copper Process Pipe and Tubing
40 05 17	Ductile Iron Process Pipe
40 05 21	High-Alloy Nickel Process Pipe and Tubing
40 05 23	Stainless Steel Process Pipe and Tubing
40 05 23.13	Duplex and Super-Duplex Stainless Steel Process Pipe
40 05 23.23	300- and 400-Series Stainless Steel Process Pipe
40 05 23.33	Special-Fabrication Stainless Steel Process Pipe and Tubing
40 05 24	Steel Process Pipe
40 05 24.13	Steel Pipe and Tubing for Air and Gas Service
40 05 24.23	Steel Pipe for Water Service
40 05 24.26	Steel Pipe and Tubing for Process Liquid Service
40 05 24.33	Steel Pipe for Bulk Materials Conveyance
40 05 26 40 05 26.13	Other Metals Process Pipe Titanium Process Pipe
40 05 26.23	Tantalum Process Pipe
40 05 26.33	Zirconium Process Pipe
40 05 31	Thermoplastic Process Pipe
40 05 31.13	Polyvinyl Chloride Process Pipe
40 05 31.23	Chlorinated Polyvinyl Chloride Process Pipe
40 05 31.33	ABS Process Pipe
40 05 31.43	Polypropylene Process Pipe
40 05 31.53	PVDF Process Pipe
40 05 31.63 40 05 31.83	High-Purity Plastic Process Pipe Flexible Plastic Tubing
40 05 33	High-Density Polyethylene Process Pipe
40 05 36	Fiberglass-Reinforced Plastic Process Pipe
40 05 36.13	Fiberglass-Reinforced Plastic Pipe for Process Air, Gas, and Odor Service
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40 05 36.23 40 05 37	Fiberglass-Reinforced Plastic Pipe for Process Liquid Service Centrifugally Cast Fiberglass-Reinforced Polymer Mortar Process Pipe
40 05 38 40 05 39	PTFE Process Pipe Concrete Pipe
40 05 39.13	Concrete Pressure Water Pipe
40 05 39.23	Concrete Gravity and Drainage Process Pipe
40 05 51	Common Requirements for Process Valves
40 05 53	Process Valves Four-inch Diameter and Larger
40 05 56	Process Valves, Smaller than Four-inch Diameter
40 05 57	Actuators for Process Valves and Gates
40 05 57.13	Manual Actuators
40 05 57.23	Electric Motor Actuators
40 05 57.33	Hydraulic Cylinder Actuators
40 05 57.43	Hydraulic Actuator Systems
40 05 57.53	Pneumatic Actuators
40 05 59	Hydraulic Gates
40 05 59.13	Stop Plates
40 05 59.16 40 05 59.21	Stop Logs Aluminum Slide Gates
40 05 59.21	Stainless Steel Slide Gates
40 05 59.26	Fiberglass-Reinforced Plastic Slide Gates
40 05 59.33	Cast Iron Slide Gates
40 05 59.43	Butterfly Gates
40 05 61	Gate Valves
40 05 61.13	Solid Wedge Metal-Seated Gate Valves
40 05 61.16	Double Disc Metal-Seated Gate Valves
40 05 61.23	Resilient-Seated Gate Valves
40 05 61.43	Knife Gate Valves
40 05 62	Plug Valves
40 05 62.13 40 05 62.16	Eccentric Plug Valves for Liquid Service
40 05 63	Eccentric Plug Valves for Liquid Service Ball Valves
40 05 63.13	AWWA Metal-Seated Ball Valves
40 05 63.16	AWWA Resilient-Seated Ball Valves
40 05 63.33	Metallic Ball Valves
40 05 63.43	Plastic Ball Valves
40 05 64	Butterfly Valves
40 05 64.13	Metal-Seated Butterfly Valves
40 05 64.16	AWWA Resilient-Seated Butterfly Valves
40 05 64.23	Metallic Industrial Butterfly Valves
40 05 64.26	Plastic Industrial Butterfly Valves
40 05 64.33 40 05 64.36	Butterfly Valves in Air or Gas Service High-Performance Butterfly Valves in Air or Gas Service
40 05 64.43	Dampers for Corrosive Gas Service
40 05 65	Valves for Pump Control and Check Service
40 05 65.11	Angle Valves
40 05 65.13	Cone Valves
40 05 65.16	Globe Valves
40 05 65.23	Swing Check Valves
40 05 65.26	Tilting Disc Check Valves
40 05 65.29	Double-Disk Check Valves
40 05 67	Specialized Pressure and Flow-Control Valves
40 05 67.13	Reduced-Pressure Zone Backflow Preventers for Process Service
40 05 67.16	Double Check Valve Assembly Backflow Preventers for Process Service

40 05 67.23	Pressure Vacuum Breaker Backflow Preventers
40 05 67.26	Atmospheric Vacuum Breaker Backflow Preventers
40 05 67.29	Hose Connection Vacuum Breaker Backflow Preventers
40 05 67.33	Backpressure Valves
40 05 67.36	Pressure-Regulating Valves
40 05 67.39	Pressure-Relief Valves
40 05 67.41	Direct-Acting Surge Relief Valves for Water Service
40 05 67.43	Pilot-Operated Surge Relief Valves for Water Service
40 05 67.44	Pilot-Operated Surge Arrestor Valves for Water Service
40 05 67.46	Electronic Surge Anticipator Valves for Water Service
40 05 67.47	Surge Relief Valves for Wastewater Service
40 05 67.49	Electronic Surge Anticipator Valves for Wastewater Service
40 05 71	Solids Handling Valves
40 05 71.13	Duckbill Check Valves
40 05 71.16	Flap Gates
40 05 71.23	Mud Valves
40 05 71.33	Telescoping Valves
40 05 73	Special-Application Process Valves
40 05 73.13	Altitude Valves
40 05 73.16	
40 05 73.23	Anti-Cavitation Valves
40 05 74	Flexible-Closure Valves
40 05 74.13	Diaphragm Valves
40 05 74.23	Pinch Valves
40 05 76	Hot-Tapping Valves and Appurtenances
40 05 76.13	Tapping Sleeves and Valves
40 05 76.16	Tapping Machines
40 05 76.23	Line Stops
40 05 78	Air Valves for Water and Wastewater Service
40 05 78.11	Air Release Valves for Water Service
40 05 78.13	Air/Vacuum Valves for Water Service
40 05 78.16	Vacuum-Breaking Valves for Water Service
40 05 78.19	Combination Air Valves for Water Service Air Release Valves for Wastewater Service
40 05 78.21 40 05 78.23	Air Release valves for Wastewater Service Air/Vacuum Valves for Wastewater Service
40 05 78.26	Vacuum-Breaking Valves for Wastewater Service
40 05 78.29	Combination Air Valves for Wastewater Service
40 05 81	Hydrants and Hose Bibbs for Process Service
40 05 81.13	Fire Hydrants
40 05 81.23	Yard Hydrants
40 05 81.26	Freeze-Proof Yard Hydrants
40 05 81.33	Hose Bibbs
40 05 82	Solenoid Valves for Process Service
40 05 89	Valve Accessories
40 05 89.13	Basket Strainers for Process Service
40 05 89.23	Needle Valves
40 05 89.33	Quick-Connect Couplers
40 05 93	Common Motor Requirements for Process Equipment
40 05 96	Vibration and Seismic Controls for Process Equipment
40 05 97	Identification for Process Equipment
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40 06 00	Schedules for Process Interconnections
40 06 10	Schedules for Gas and Vapor Process Piping and Ductwork
40 06 20	Schedules for Liquids Process Piping
40 06 30	Schedules for Solid and Mixed Materials Piping and Chutes

	40 06 40 40 06 60	Schedules for Process Piping and Equipment Protection Schedules for Process Control and Process Facility Enterprise
	40 06 70	Management Systems Schedules of Instrumentation for Process Systems
	40 06 90	Schedules for Primary Control Devices
40	10 00	Gas and Vapor Process Piping and
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40 '	11 00	Steam Process Piping
	40 11 13	Low-Pressure Steam Process Piping
	40 11 16	Intermediate-Pressure Steam Process Piping
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	40 11 23	Condensate Process Piping for Process Applications
40 '	12 00	Compressed Air Process Piping
	40 12 13	Compressed Air Process Piping for Breathing Service
	40 12 23	Low-Pressure Compressed Air Process Piping
	40 12 53	High-Pressure Compressed Air Process Piping
_	13 00	Process Ductwork
40	15 00	Combustion System Gas Piping
	40 15 13	Combustion Air Piping
	40 15 16	Oxygen Combustion System Gas Piping
	40 15 19	Flue-Gas Combustion System Piping
	40 15 23	Exothermic-Gas Combustion System Piping
	40 15 26	Endothermic-Gas Combustion System Piping
40	40 15 29	Dissociated-Ammonia-Gas Combustion System Piping
40	16 00	Specialty and High-Purity Gases Piping
	40 16 13	Ammonia Gas Piping
	40 16 16	Boron Gas Piping
	40 16 17	Chlorine Gas Piping
	40 16 26	Diborane Gas Piping
	40 16 29	Fluorine Gas Piping
	40 16 33 40 16 36	Hydrogen Sulfide Gas Piping
	40 16 36	Nitrous-Oxide Gas Process Piping Oxygen Gas Process Piping
	40 16 39	Ozone Gas Process Piping
	40 16 43	Phosphine Gas Piping
	40 16 46	Silane Gas Piping
	40 16 49	Sulfur-Dioxide Gas Piping
	40 16 53	Specialty Gas Mixtures Piping
	40 16 56	High-Purity Gas Piping Components
40	17 00	Welding and Cutting Gases Piping
	40 17 13	Acetylene Welding and Cutting Piping
	40 17 16	Acetylene-Hydrogen Mix Welding and Cutting Piping
	40 17 19	Methylacetylene-Propadiene Welding and Cutting Piping
	40 17 23	Oxygen Welding and Cutting Piping
	40 17 26	Inert Gas Welding and Cutting Piping
40	18 00	Vacuum Systems Process Piping
	40 18 13	Low-Vacuum Systems Process Piping
	40 18 23	Chlorine Gas Vacuum System Piping

40 18 53	High-Vacuum Systems Process Piping
40 20 00	Liquids Process Piping
40 21 00	Liquid Fuel Process Piping
40 21 13	Bio Fuels Process Piping
40 21 13.13	Bioalcohols Process Piping
40 21 13.23	Biodiesel Fuel Process Piping
40 21 13.26	Green Diesel Fuel Process Piping
40 21 13.33 40 21 13.43	Biomass-to-Liquid (BTL) Fuel Process Piping Gas-to-Liquid (GTL) Fuel Process Piping
40 21 16	Gasoline Process Piping
40 21 19	Diesel Process Piping
40 21 23	Fuel-Oils Process Piping
40 21 23.13	No. 1 Fuel-Oil Process Piping
40 21 23.23	No. 2 Fuel-Oil Process Piping
40 21 23.26 40 21 23.29	Kerosene Process Piping Tar Fuels Process Piping
40 21 23.43	No. 4 Fuel-Oil Process Piping
40 21 23.53	No. 5 Fuel-Oil Process Piping
40 21 23.63	No. 6 Fuel-Oil Process Piping
40 22 00	Petroleum Products Piping
40 22 10	Heavy-Fractions Petroleum Products Piping
40 22 13	Liquefied Petroleum Gas (LPG) Process Piping
40 22 16	Lubricating Oils Process Piping
40 22 23 40 22 50	Petrochemicals Process Piping
40 22 50	Light-Fractions Petroleum Products Piping Water and Wastewater Process Piping
40 23 13	Water and Wastewater Process Piping Deionized Water Process Piping
40 23 16	Distilled-Water Process Piping
40 23 19	Non-Potable Plant Water Process Piping
40 23 23	Potable Water Process Piping
40 23 29	Recirculated Water Process Piping
40 23 33	Reverse-Osmosis Water Process Piping
40 23 40	Sanitary Wastewater Process Piping
40 23 41	Grit Process Piping
40 23 43	Scum and Floatables Process Piping
40 23 44 40 23 46	Primary Sludge Process Piping Waste Sludge Process Piping
40 23 48	Thickened Sludge Process Piping
40 24 00	Specialty Liquid Chemicals Piping
40 24 13	Alcohol Piping
40 24 14	Liquid Chlorine and Sodium Hypochlorite Piping
40 24 16	Gel Piping
40 24 19	Slurries Process Piping
40 24 23	Thixotropic Liquid Piping
40 25 00	Liquid Acids and Bases Piping
40 25 10	Liquid Acids Piping
40 25 50	Liquid Bases Piping
40 26 00	Liquid Polymer Piping

40 30 00	Solid and Mixed Materials Piping and
	Chutes
40 32 00	Bulk Materials Piping and Chutes
40 32 10	Abrasive Materials Piping and Chutes
40 32 50	Nonabrasive Materials Piping and Chutes
40 33 00	Bulk Materials Valves
40 33 13	Airlock Bulk Materials Valves
40 33 16	Blind Bulk Materials Valves
40 33 26	Diverter Bulk Materials Valves
40 33 29	Double or Single Dump Bulk Materials Valves
40 33 39	Swing Bulk Materials Valves
40 33 43	Specialty Bulk Materials Valves
40 34 00	Pneumatic Conveying Lines
40 34 10	Dense Phase Pneumatic Conveying Lines
40 34 50	Dilute Phase Pneumatic Conveying Lines
40 40 00	Process Piping and Equipment Protection
40 41 00	Process Piping and Equipment Heat Tracing
40 41 13	Process Piping Heat Tracing
40 41 13.13	Process Piping Electrical Resistance Heat Tracing
40 41 13.16 40 41 13.19	Process Piping Electrical Conductance Heat Tracing Process Piping Gas Heat Tracing
40 41 13.13	Process Piping Steam Heat Tracing
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40 41 23.19 40 41 23.23	Process Equipment Gas Heat Tracing Process Equipment Steam Heat Tracing
40 41 23.26	Process Equipment Thermal Fluids Heat Tracing
40 42 00	Process Piping and Equipment Insulation
40 42 13	Process Piping Insulation
40 42 13.13	Cryogenic Temperature Process Piping Insulation
40 42 13.16	Low Temperature Process Piping Insulation
40 42 13.19	Intermediate Temperature Process Piping Insulation
40 42 13.23 40 42 13.26	High Temperature Process Piping Insulation Process Piping Insulation for Specialty Applications
40 42 23	Process Equipment Insulation
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40 42 23.16	Low Temperature Process Equipment Insulation
40 42 23.19	Intermediate Temperature Process Equipment Insulation
40 42 23.23 40 42 23.26	High Temperature Process Equipment Insulation Process Equipment Insulation for Specialty Applications
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40 46 00	Process Corrosion Protection
40 46 16 40 46 42	Coatings and Wrappings for Process Corrosion Protection Cathodic Process Corrosion Protection
40 47 00	Refractories
	Silica Refractories
40 47 13 40 47 16	Alumina Refractories
40 47 10	Carbon and Graphite Refractories
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40 47 23	Castable Refractories
40 47 26 40 47 29	Rammed Refractories
	Refractory Concrete
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40 61 00	Process Control and Enterprise Management Systems
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40 61 13	Process Control System General Provisions
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40 62 19 40 62 21	Industrial Computers Desktop Computers
40 62 21	Mobile Computers
40 62 26	Laptop Computers
40 62 29	Tablet Computers and Mobile Devices
40 62 33	Printers
40 62 43	Large Display Screens
40 62 63	Operator Interface Terminals (OIT)
40 63 00	Control System Equipment
40 63 13	Distributed Process Control Systems
40 63 43	Programmable Logic Controllers
40 63 83	Remote Terminal Units
40 66 00	Network and Communication Equipment
40 66 13	Switches and Routers
40 66 16	Firewall Hardware
40 66 19	Media Converters
40 66 23	Frame Relay Equipment
40 66 26	Device Network Equipment
40 66 33	Metallic and Fiber-Optic Communication Cabling and Connectors
40 66 36 40 66 43	Process Instrumentation Networks Wireless Network Systems
40 66 53	Multiple Address Radio Equipment
40 66 56	Point-to-Point Radio Equipment
40 66 63	Antennas
40 66 66	Monopoles and Towers
40 66 73	Satellite Communication Equipment
40 67 00	Control System Equipment Panels and Racks
40 67 13	Computer Equipment Racks
40 67 16	Free-Standing Panels
40 67 19	Wall-Mounted Panels
40 67 23	Control System Consoles
40 67 33	Panel Wiring

40 67 63 40 68 00 40 68 13 40 68 23 40 68 26 40 68 33 40 68 39 40 68 43 40 68 63 40 68 63 40 68 93 40 69 23 40 69 26 40 69 33	Process Control Software Process Control (HMI) Software Reporting Software Online Performance Monitoring Systems Software Maintenance Management Software Laboratory Information System Software Energy Management Software Load Management Software Configuration of HMI Software Programming of Controller Software Computer Operating Systems Software Packaged Control Systems Control System Simulators Burner Management Systems Safety Instrumented Control Systems for Industrial Applications
40 70 00	Instrumentation for Process Systems
40 71 00	Flow Measurement
40 71 13 40 71 13.13	Magnetic Flow Meters Inline Magnetic Flow Meters
40 71 13.13	Insertion-Type Magnetic Flow Meters
40 71 23	Differential Pressure-Type Flow Meters
40 71 23.13	Venturi Flow Meters
40 71 23.16	Flow Tubes
40 71 23.19 40 71 23.23	Flow Nozzle-Type Flow Meters Orifice Plate Flow Meters
40 71 23.26	Integral Orifice Flow Meters
40 71 23.29	Orifice Meter Runs
40 71 23.33	Elbow Flow Meters
40 71 23.36 40 71 23.39	Pitot Tube and Averaging Pitot Flow Meters V-Cone Flow Meters
40 71 23.43	Differential Pressure-Type Flow Transmitters
40 71 23.46	Flow Computers
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40 71 36	Turbine Flow Meters
40 71 43	Variable Area Flow Meters
40 71 46 40 71 49	Target Flow Meters Vortex-Shedding Flow Meters
40 71 49	Positive Displacement Flow Meters
40 71 63	Doppler Flow Meters
40 71 66	Transit Time Flow Meters
40 71 69	Open Channel Flow Meters
40 71 73	Coriolis Flow Meters
40 71 76	Thermal Flow Meters
40 71 79 40 71 83	Flow Switches
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40 72 00	Level Measurement
40 72 13	Ultrasonic Level Meters (Continuous and Point-Type)

	40 72 23	Radar Level Meters
	40 72 26	Laser Level Meters
	40 72 29	Nuclear Level Meters
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	40 73 13	Pressure and Differential Pressure Gauges
	40 73 16	Manometers
	40 73 23	Absolute-Pressure Transmitters
	40 73 26	Gauge-Pressure Transmitters
	40 73 29	Differential Pressure Transmitters
	40 73 33	Multi-Variable Pressure/Temperature Transmitters
	40 73 36	Pressure and Differential Pressure Switches
	40 73 43	Force Measurement Devices
	40 73 46	Load Cells
	40 73 53	Torque Measurement Devices
	40 73 63	Diaphragm Seals
40	74 00	Temperature Measurement
. •	40 74 13	Resistance Temperature Devices
	40 74 16	Thermocouples
	40 74 23	Radiation Pyrometers
	40 74 33	Thermistors
	40 74 36	Diode Temperature Measurement Devices
	40 74 43	Bimetallic Thermometers
	40 74 46	Fluid Expansion Thermometers
	40 74 49	Change-of-State Temperature Measurement Devices
	40 74 53	Cryogenic Temperature Sensors
	40 74 63	Temperature Transmitters
	40 74 66	Temperature Switches
	40 74 69	Thermowells, Protection Tubes, and Test Thermowells
40	75 00	Process Liquid Analytical Measurement
	40 75 05	Multi-Parameter Analyzer Systems
	40 75 13	pH/ORP Analyzers
	40 75 16	Conductivity Analyzers
	40 75 19	Moisture Analyzers
	40 75 21	Chlorine Analyzers
	40 75 21.13	Free-Chlorine Analyzers
	40 75 21.23	Residual-Chlorine Ánalyzers
	40 75 23	Chlorine Dioxide Analyzer
	40 75 26	Dissolved Chlorine Dioxide Analyzers
	40 75 29	Dissolved Ammonia Analyzers
	40 75 33	Fluoride Analyzers
	40 75 43	Dissolved Oxygen Analyzers

	40 75 46	Dissolved Ozone Analyzers
	40 75 53	Turbidity Analyzers
	40 75 56	Suspended Solids/Sludge Density Analyzers
	40 75 59	Liquid Density Analyzers
	40 75 63	Monochloramine Analyzers
	40 75 66	Nitrogen Analyzers
	40 75 69	Phosphorous Analyzers
	40 75 73	Particle Counters
	40 75 76	Total Organic Carbon Analyzers
	40 75 79	Total Organics Analyzers
	40 75 83	Hardness Analyzers
	40 75 86	Alkalinity Analyzer
40	76 00	Process Gas Analytical Measurement
	40 76 05	Continuous Emissions Monitoring Systems
	40 76 13	Oxygen Gas Analyzers
	40 76 16	Ozone Analyzers
	40 76 23	Combustible Gas Monitors
	40 76 26	Chlorine Gas Analyzers
	40 76 29	Ammonia Gas Analyzers
	40 76 33	Hydrogen Sulfide Monitors
	40 76 36	Sulfur Dioxide Analyzers
	40 76 39	Carbon Dioxide Analyzers
	40 76 43	Carbon Monoxide Analyzers
	40 76 53	Dewpoint/Moisture Analyzers
	40 76 56	Gas Density Analyzers
	40 76 63	Flue Gas Analyzers
	40 76 66	NO/NOX Analyzers
	40 76 73	Hydrocarbon Ánalyzers
	40 76 76	Gas Chromatograph Analyzers
	40 76 79	Vapor Pressure Analyzers
	40 76 83	Mass Spectrometers
40	77 00	Position and Motion Measurement
	40 77 13	Acceleration Measurement Devices
	40 77 16	Proximity Measurement Devices
	40 77 19	Vibration Velocity Measurement Devices
	40 77 23	Vibration Monitoring Systems
	40 77 26	Position, Speed, and Motion Measurement Devices
40	78 00	Panel Mounted Instruments
	40 78 13	Indicators and Meters
	40 78 16	Indicating Lights
	40 78 19	Switches and Push Buttons
	40 78 23	Potentiometers and Manual Controllers
	40 78 26	Chart Recorders
	40 78 33	Annunciators
	40 78 43	Single-Loop Controllers
	40 78 53	Relays
	40 78 56	Isolators, Intrinsically-Safe Barriers, and Surge Suppressors
	40 78 59	Power Supplies
	40 78 63	Alarm Dialers
⊿ ∩	79 00	Miscellaneous Instruments, Calibration Equipment,
TU	1000	miscendificas mediaments, campiation Equipment,

40 79 13 40 79 23 40 79 26 40 79 33 40 79 36 40 79 39 40 79 43 40 79 46 40 79 63 40 79 66	Instrument Valves, and Fittings Nuclear Mass-Measuring Scales Instrument Calibration Equipment Instrument Programming Equipment Current-to-Pressure Converters Voltage-to-Pressure Converters Signal Conditioners and Converters Deadweight Testers Flame Scanners Instrument Tubing Instrument Valve Manifolds, Valves, and Fittings
40 80 00	Commissioning of Process Systems
40 90 00	Primary Control Devices
40 91 00 40 91 13 40 91 16 40 91 19 40 91 23 40 91 26 40 92 00 40 93 00 40 94 00 40 95 00 40 96 00 40 97 00	Primary Control Valves Electrically-Operated Primary Control Valves Hydraulically-Operated Primary Control Valves Pneumatically-Operated Primary Control Valves Solenoid Primary Control Valves Specialty Primary Control Valves Self-Contained Flow Controllers Linear Actuators and Positioners Self-Contained Pressure Regulators Rotary Actuators Saturable Core Reactors Variable Frequency Drives
41 00 00	Material Processing and Handling
	Equipment
41 01 00	Operation and Maintenance of Material Processing
41 01 52 41 01 52.13 41 01 52.16	and Handling Equipment Operation and Maintenance of Bulk Materials Storage Storage Bin and Hopper Cleaning Silo Cleaning Common Work Beaute for Material Bracesing and
41 05 00	Common Work Results for Material Processing and
41 05 05 41 06 00	Handling Equipment Selective Demolition for Material Processing and Handling Equipment Schedules for Material Processing and Handling
41 06 10 41 06 20 41 06 30 41 06 40 41 06 50 41 06 60 41 08 00	Equipment Schedules for Bulk Material Processing Equipment Schedules for Piece Material Handling Equipment Schedules for Manufacturing Equipment Schedules for Container Processing and Packaging Schedules for Material Storage Schedules for Mobile Plant Equipment Commissioning of Material Processing and Handling

	Equipment
41 08 10	Commissioning of Bulk Material Processing Equipment
41 08 20	Commissioning of Piece Material Handling Equipment
41 08 30	Commissioning of Manufacturing Equipment
41 08 40	Commissioning of Container Processing and Packaging
41 08 50	Commissioning of Material Storage
41 08 60	Commissioning of Mobile Plant Equipment
41 10 00	Bulk Material Processing Equipment
41 11 00	Bulk Material Sizing Equipment
	· · · · · · · · · · · · · · · · · · ·
41 11 13 41 11 16	Bulk Material Agglomerators Bulk Material Air Mill Classifiers
41 11 10	Bulk Material Centrifuges
41 11 19	Bulk Material Crushers
41 11 26	Bulk Material Cyclones
41 11 29	Bulk Material Fluid Bed Separators
41 11 33	Bulk Material Grinders
41 11 36	Bulk Material Homogenizers
41 11 39	Bulk Material Lump Breakers
41 11 43	Bulk Material Mills
41 11 46	Bulk Material Pulverizers
41 11 49	Bulk Material Screens
41 11 53	Bulk Material Shredders
41 11 56	Bulk Material Sieves
41 12 00	Bulk Material Conveying Equipment
41 12 13	
41 12 13	Bulk Material Conveyors Airslide Bulk Material Conveyors
41 12 13.16	Auger Bulk Material Conveyors
41 12 13.19	Belt Bulk Material Conveyors
41 12 13.23	Container Bulk Material Conveyors
41 12 13.26	Drag Chain Bulk Material Conveyors
41 12 13.29	Hopper Bulk Material Conveyors
41 12 13.33	Reciprocating Bulk Material Conveyors
41 12 13.36	Screw Bulk Material Conveyors
41 12 13.39 41 12 13.43	Stacking and Reclaim Bulk Material Conveyors Trough Bulk Material Conveyors
41 12 13.46	Tube Bulk Material Conveyors
41 12 13.49	Vibratory Bulk Material Conveyors
41 12 13.53	Weigh-Belt Bulk Material Conveyors
41 12 16	Bucket Elevators
41 12 19	Pneumatic Conveyors
41 12 19.13	Dense Phase Pneumatic Conveyors
41 12 19.16	Dilute Phase Pneumatic Conveyors
41 13 00	Bulk Material Feeders
41 13 13	Bin Activators/Live Bin Bottoms
41 13 23	Feeders
41 13 23.13	Airlock Bulk Material Feeders
41 13 23.16	Apron Bulk Material Feeders
41 13 23.19	Rotary-Valve Bulk Material Feeders Screw Bulk Material Feeders
41 13 23.23 41 13 23.26	Vibratory Bulk Material Feeders
41 13 23.29	Volumetric Bulk Material Feeders

41 13 23.33 41 14 00 41 14 13 41 14 16 41 14 19 41 14 23 41 14 26 41 14 29 41 14 33 41 14 36	Weigh Bulk Material Feeders Batching Equipment Bag-Handling Batching Equipment Batch Cars/Transports Batch Hoppers Bulk Bag-Handling Batching Equipment Blenders Drum-Handling Batching Equipment Mixers Weigh Scales
41 20 00	Piece Material Handling Equipment
41 21 00 41 21 13 41 21 23.13 41 21 23.16 41 21 23.19 41 21 23.23 41 21 23.26 41 21 23.29 41 21 23.33 41 21 23.36 41 21 23.39 41 21 23.43 41 21 23.43 41 21 23.53 41 21 23.53 41 21 23.53 41 21 29 41 21 39 41 21 39	Automatic Guided Vehicle Systems Piece Material Conveyors Belt Piece Material Conveyors Container Piece Material Conveyors Drag-Chain Piece Material Conveyors Hopper Piece Material Conveyors Monorail Piece Material Conveyors Power and Free Piece Material Conveyors Reciprocating Piece Material Conveyors Roller Piece Material Conveyors Vibratory Piece Material Conveyors Walking-Beam Piece Material Conveyors Weigh-Belt Piece Material Conveyors Postal Conveyors Piece Material Diverter Gates Piece Material Gravity Slides Piece Material Transfer Cars Piece Material Turntables Piece Material Feeders
41 21 39.13 41 22 00	Piece Material Vibratory Feeders Cranes and Hoists
41 22 13 41 22 13.13 41 22 13.16 41 22 13.19 41 22 13.23 41 22 13.29 41 22 13.29 41 22 23.13 41 22 23.13 41 22 23.16 41 22 23.19 41 22 23.23 41 22 33.3	Cranes Bridge Cranes Gantry Cranes Jib Cranes Mobile Cranes Tower Cranes Specialty Cranes Hoists Fixed Hoists Portable Hoists Monorail Hoists Specialty Hoists Derricks
41 23 00 41 23 13	Lifting Devices Clamps
41 23 13 41 23 16 41 23 19 41 23 23	Clamps Grabs Hooks Lifts

	41 23 26	Slings
	41 23 29	Spreader Bars/Beams
	41 23 33	Tongs
41	24 00	Specialty Material Handling Equipment
	41 24 13	Aeration Devices
	41 24 16	Bin Vibrators
	41 24 19	Dehydrators
	41 24 23	Hydrators
	41 24 26	Hydraulic Power Systems
	41 24 29	Lubrication Systems
	41 24 33	Magnetic Separators
	41 24 36	Metal Detectors
	41 24 39	Railcar Movers
	41 24 43	Turnheads/Distributors
	41 24 46	Sorting Machines
	41 24 46.13	Postal Sorting Machines
A 4		
4 1	30 00	Manufacturing Equipment
41	31 00	Manufacturing Lines and Equipment
	41 31 13	Manufacturing Lines
	41 31 13.13	Assembly Lines
	41 31 13.16	Casting Lines
	41 31 13.19	Coating Lines
	41 31 13.23	Converting Lines
	41 31 13.26	Disassembly Lines
	41 31 13.29	Extrusion Lines
	41 31 13.33	Machining Lines
	41 31 13.36 41 31 13.39	Molding Lines Finishing/Painting Lines
	41 31 13.43	Painting Lines
	41 31 13.46	Pickling Lines
	41 31 13.49	Plating Lines
	41 31 13.53	Polishing Lines
	41 31 13.56	Press Lines
	41 31 13.59	Rolling/Calendaring Lines
	41 31 13.63	Web Processing Lines
	41 31 16	Pick and Place Systems
	41 31 19	Manufacturing-Line Robots
	41 31 23	Specialty Assembly Machines
41	32 00	Forming Equipment
	41 32 13	Bending Equipment
	41 32 16	Blow-Molding Equipment
	41 32 19	Brake-Forming Equipment
	41 32 23	Cold-Forming Equipment
	41 32 26	Die-Casting Equipment
	41 32 29	Drawing Equipment
	41 32 33	Electroforming Equipment
	41 32 36	Forging Equipment
	41 32 39	Extruding Equipment
	41 32 43	Metal-Spinning Equipment
	41 32 46	Piercing Equipment
	41 32 49	Powder Metal-Forming Equipment

Pressing Equipment
Roll-Forming Equipment
Shearing Equipment
Spinning Equipment Stretching/Leveling Equipment
Swaging Equipment
Machining Equipment
Automatic Screw Machining Equipment
Boring Equipment Broaching Equipment
Drilling Equipment
Electro-Discharge Machining Equipment
Grinding Equipment
Hobbing Equipment
Lapping Equipment
Lathe Equipment
Leveling Equipment
Machining Center Equipment
Milling Equipment
Horizontal Milling Equipment
Vertical Milling Equipment
Multi-Axis Machine Equipment
Planing Equipment Reaming Equipment
Routing Equipment
Sawing Equipment
Shaping Equipment
Threading Equipment
Finishing Equipment
Anodizing Equipment
Barrel Tumbling Equipment
Coating Equipment
Diffusion Coating Equipment
Dipping Coating Equipment
Film Coating Equipment Phosphatizing Coating Equipment
Plasma Coating Equipment
Hardface Welding Coating Equipment
Spray Painting Booth
Deburring Equipment
Electroplating Equipment
Grinding Equipment
Honing Equipment
Lapping Equipment
Shot Peening Equipment Superfinishing/Polishing Equipment
Dies and Molds
Dies
Drawing Dies
Drawing Dies Extrusion Dies

41 35 13.23 41 35 13.26 41 36 00 41 36 13 41 36 13.13 41 36 13.19 41 36 16 41 36 19.13 41 36 19.16 41 36 19.19 41 36 19.23 41 36 19.29 41 36 19.29 41 36 19.33 41 36 23.13 41 36 23.13 41 36 23.16 41 36 23.19 41 36 26.13 41 36 26.13 41 36 26.13 41 36 26.13 41 36 26.19 41 36 29.29 41 36 29.13 41 36 29.16 41 36 29.29 41 36 29.29 41 36 29.29 41 36 29.29 41 36 29.33 41 36 29.33 41 36 29.36	Electric Process Tools Hydraulic Process Tools Manual Process Tools Manufacturing Measurement and Testing Equipment Gages, Rules, and Blocks Penetrant Measurement and Testing Equipment Laser Measurement and Testing Equipment Magnaflux Measurement and Testing Equipment Optical Comparators Profilometers Radiograph Measurement and Testing Equipment Surface Tables
41 36 29.39 41 36 29.43	Ultrasonic Measurement and Testing Equipment Test Weigh Scales
41 40 00	Container Processing and Packaging
41 41 00 41 41 13 41 41 16 41 41 19 41 41 19.13 41 41 19.16 41 41 19.19 41 42 13 41 42 13	Container Filling and Sealing Bulk Container Fillers/Packers Container Cappers Container Fillers Bag Fillers Box Fillers Box Fillers Container Sealers Container Packing Equipment Box Packing Equipment
41 42 13.13 41 42 13.16 41 42 16 41 42 16.13	Box Makers Box Packers Bulk Material Loaders Container Bulk Material Loaders

41 42 16.23 41 42 16.26 41 42 16.29	Truck Bulk Material Loaders Railcar Bulk Material Loaders Ship Bulk Material Loaders
41 42 16.33	Barge Bulk Material Loaders
41 42 19	Carton Packers
41 42 23	Carton Sealers
41 42 26	Carton Shrink Wrappers
41 42 29	Carton Stackers
41 43 00	Shipping Packaging
41 43 13	Banding/Strapping Equipment
41 43 16	Barcode Equipment
41 43 16.13	Barcode Readers
41 43 16.16 41 43 19	Barcode Printers
41 43 19	Labeling Equipment Pallet Stacking/Wrapping Equipment
41 50 00	Material Storage
41 51 00	Automatic Material Storage
41 51 13	Automatic Storage/Automatic Retrieval Systems
41 52 00	Bulk Material Storage
41 52 16.13	Concrete Flat-Bottom Silos
41 52 16.16	Concrete Masonry Flat-Bottom Silos
41 52 16.23	Concrete Cone-Bottom Silos
41 52 16.26	Concrete Masonry Cone-Bottom Silos
41 52 16.29	Steel Cone-Bottom Silos
41 52 19	Bulk Materials Storage Tanks
41 52 19.13	Stationary Bulk Materials Storage Tanks
41 52 19.33 41 52 41	Mobile Bulk Materials Storage Tanks Pneumatic, Block-Distributed Materials Fluidizing System for Flat-Bottom
71 02 71	Bins and Silos
41 52 43	Aerated Trough Materials Fluidizing System for Flat-Bottom Bins and Silos
41 52 46	Pad-Mounted Aerated Disc Materials Fluidizing System for Cone-Bottom
	Bins and Silos
41 53 00	Storage Equipment and Systems
41 53 13	Storage Cabinets
41 53 16	Container Storage Systems
41 53 19	Flat Files
41 53 23	Storage Racks
41 53 23.13	Mobile Storage Racks
41 53 26	Mezzanine Storage Systems
41 60 00	Mobile Plant Equipment
41 61 00	Mobile Earth Moving Equipment
41 61 13	Backhoes
41 61 16	Bulldozers
41 61 19	Compactors
41 61 23	Excavators
41 61 26	Graders
41 61 29	Payloaders
41 61 33	Trucks
41 62 00	Trucks

41 62 13	Cement Mixer Trucks
41 62 16	Dump Trucks
41 62 19	Flatbed Trucks
41 62 23	Forklift Trucks
41 62 26	Pickup Trucks
41 62 29	Tank Trucks
41 63 00	General Vehicles
41 63 13	Bicycles
41 63 16	Carts
41 63 19	Maintenance Vehicles
41 63 23	Utility Vehicles
41 63 26	Vans
41 63 29	Wagons
41 64 00	Rail Vehicles
41 64 13	Locomotives
41 64 13.13	Diesel Locomotives
41 64 13.23 41 64 16	Electric Locomotives Mobile Railcar Movers
41 65 00	
	Mobile Support Equipment
41 65 13 41 65 16	Mobile Air Compressors Mobile Generators
41 65 19	Mobile Welders
41 66 00	
	Miscellaneous Mobile Equipment
41 66 13	Mobile Boring and Charminickers
41 66 16 41 66 19	Mobile Lifts and Cherrypickers Mobile Paving Equipment
41 66 23	Mobile Sweepers/Vacuums
41 67 00	
	Plant Maintenance Equipment
41 67 13 41 67 16	Plant Lube Oil System Plant Fall Protection Equipment
41 67 19	Plant Safety Equipment
41 67 23	Plant Maintenance Tools
41 67 26	Plant Maintenance Washing Equipment
42 00 00	Process Heating, Cooling, and Drying
	Equipment
42 01 00	• •
42 01 00	Operation and Maintenance of Process Heating,
	Cooling, and Drying Equipment
42 01 10	Operation and Maintenance of Process Heating Equipment
42 01 20	Operation and Maintenance of Process Cooling Equipment
42 01 30	Operation and Maintenance of Process Drying Equipment
42 05 00	Common Work Results for Process Heating, Cooling,
	and Drying Equipment
42 05 05	Selective Demolition for Process Heating, Cooling, and Drying Equipment
42 06 00	Schedules for Process Heating, Cooling, and Drying
	Equipment
42 06 10	Schedules for Process Heating Equipment
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42 06 20 42 06 30	Schedules for Process Cooling Equipment Schedules for Process Drying Equipment
42 08 00	Commissioning of Process Heating, Cooling, and
42 00 00	Drying Equipment
42 08 10	Commissioning of Heating Equipment
42 08 20	Commissioning of Cooling Equipment
42 08 30	Commissioning of Drying Equipment
42 10 00	Process Heating Equipment
42 11 00	Process Boilers
42 11 13	Low-Pressure Process Boilers
42 11 16	Intermediate-Pressure Process Boilers
42 11 19	High-Pressure Process Boilers
42 11 23	Specialty Process Boilers
42 12 00	Process Heaters
42 12 13	Electric Process Heaters
42 12 16	Fuel-Fired Process Heaters
42 12 19	Thermoelectric Process Heaters
42 12 23	Solar Process Heaters
42 12 26	Specialty Process Heaters
42 13 00	Industrial Heat Exchangers and Recuperators
42 13 13	Industrial Gas-to-Gas Heat Exchangers
42 13 16	Industrial Liquid-to-Gas/Gas-to-Liquid Heat Exchangers
42 13 19 42 13 23	Industrial Liquid-to-Liquid Heat Exchangers Industrial Gas Radiation Heat Exchangers
42 13 26	Industrial Solar Radiation Heat Exchangers
42 14 00	Industrial Furnaces
42 14 13	Annealing Furnaces
42 14 16	Atmosphere Generators
42 14 19	Industrial Baking Furnaces
42 14 23	Industrial Brazing Furnaces
42 14 26	Industrial Calcining Furnaces
42 14 29	Industrial Heat-Treating Furnaces
42 14 33	Industrial Melting Furnaces
42 14 33.13	Ceramics and Glass Melting Furnaces
42 14 33.16 42 14 33.19	Ferrous Melting Furnaces Non-Ferrous Melting Furnaces
42 14 36	Primary Refining Furnaces
42 14 43	Reactor Furnaces
42 14 46	Industrial Reheat Furnaces
42 14 53	Industrial Sintering Furnaces
42 14 56	Industrial Vacuum Furnaces
42 15 00	Industrial Ovens
42 15 13	Industrial Drying Ovens
42 15 16	Industrial Curing Ovens
42 15 19	Industrial Specialty Ovens
42 20 00	Process Cooling Equipment
42 21 00	Process Cooling Towers
42 21 13	Open-Circuit Process Cooling Towers

42 21 16	Closed-Circuit Process Cooling Towers
42 22 00	Process Chillers and Coolers
42 22 13	Centrifugal Process Chillers and Coolers
42 22 16	Reciprocating Process Chillers and Coolers
42 22 19	Refrigerant Process Chillers and Coolers
42 22 23	Rotary Process Chillers and Coolers
42 22 26	Thermoelectric Process Chillers and Coolers
42 23 00	Process Condensers and Evaporators
42 23 13	Process Condensers
42 23 16	Process Cooling Evaporators
42 23 19	Process Humidifiers
42 30 00	Process Drying Equipment
42 31 00	Gas Dryers and Dehumidifiers
42 31 13	Drying Evaporators
42 31 16	Desiccant Equipment
42 31 19	Regenerative Dryers
42 31 23	Refrigerant Dryers
42 32 00	Material Dryers
42 32 13	Centrifugal Material Dryers
42 32 16	Conveyor Material Dryers
42 32 19	Flash Material Dryers
42 32 23	Fluid-Bed Material Dryers
42 32 26	Material Roasters
42 32 29	Rotary-Kiln Material Dryers
42 32 33	Spray Material Dryers
42 32 36	Tower Material Dryers
42 32 39	Vacuum Material Dryers
42 32 43	Specialty Material Dryers
43 00 00	Process Gas and Liquid Handling,
	Purification, and Storage Equipment
43 01 00	Operation and Maintenance of Process Gas and Liquid
	Handling, Purification, and Storage Equipment
43 01 10	Operation and Maintenance of Gas Handling Equipment
43 01 10.13	Gas Blowers Maintenance and Rehabilitation
43 01 10.16	Gas Compressors Maintenance and Rehabilitation
43 01 20	Operation and Maintenance of Liquid Handling Equipment
43 01 20.13	Liquid Pumps Maintenance and Rehabilitation
43 01 20.16	Limit Donner Design Control of Marine Control of Deliver 1984 (1984)
42 04 20	Liquid Process Equipment Maintenance and Rehabilitation
43 01 30 43 01 40	Operation and Maintenance of Gas and Liquid Hi-Purification Equipment
43 01 40	Operation and Maintenance of Gas and Liquid Hi-Purification Equipment Operation and Maintenance of Gas and Liquid Storage
43 01 40 43 01 40.13	Operation and Maintenance of Gas and Liquid Hi-Purification Equipment Operation and Maintenance of Gas and Liquid Storage Non-pressurized Tanks Cleaning, Maintenance, and Rehabilitation
43 01 40 43 01 40.13 43 01 40.16	Operation and Maintenance of Gas and Liquid Hi-Purification Equipment Operation and Maintenance of Gas and Liquid Storage Non-pressurized Tanks Cleaning, Maintenance, and Rehabilitation Pressurized Tanks Cleaning, Maintenance, and Rehabilitation
43 01 40 43 01 40.13	Operation and Maintenance of Gas and Liquid Hi-Purification Equipment Operation and Maintenance of Gas and Liquid Storage Non-pressurized Tanks Cleaning, Maintenance, and Rehabilitation Pressurized Tanks Cleaning, Maintenance, and Rehabilitation Common Work Results for Process Gas and Liquid
43 01 40 43 01 40.13 43 01 40.16 43 05 00	Operation and Maintenance of Gas and Liquid Hi-Purification Equipment Operation and Maintenance of Gas and Liquid Storage Non-pressurized Tanks Cleaning, Maintenance, and Rehabilitation Pressurized Tanks Cleaning, Maintenance, and Rehabilitation Common Work Results for Process Gas and Liquid Handling, Purification, and Storage Equipment
43 01 40 43 01 40.13 43 01 40.16	Operation and Maintenance of Gas and Liquid Hi-Purification Equipment Operation and Maintenance of Gas and Liquid Storage Non-pressurized Tanks Cleaning, Maintenance, and Rehabilitation Pressurized Tanks Cleaning, Maintenance, and Rehabilitation Common Work Results for Process Gas and Liquid Handling, Purification, and Storage Equipment Selective Demolition for Process Gas and Liquid Handling, Purification,
43 01 40 43 01 40.13 43 01 40.16 43 05 00	Operation and Maintenance of Gas and Liquid Hi-Purification Equipment Operation and Maintenance of Gas and Liquid Storage Non-pressurized Tanks Cleaning, Maintenance, and Rehabilitation Pressurized Tanks Cleaning, Maintenance, and Rehabilitation Common Work Results for Process Gas and Liquid Handling, Purification, and Storage Equipment

43 05 20	Common Work Results for Liquid Handling Equipment
43 05 30	Common Work Results for Gas and Liquid Hi-Purification Equipment
43 05 40	Common Work Results for Gas and Liquid Storage
43 06 00	Schedules for Process Gas and Liquid Handling,
	Purification, and Storage Equipment
43 06 10	Schedules for Gas Handling Equipment
43 06 20	Schedules for Liquid Handling Equipment
43 06 30	Schedules for Gas and Liquid Hi-Purification Equipment
43 06 40	Schedules for Gas and Liquid Storage
43 08 00	Commissioning of Process Gas and Liquid Handling,
	Purification, and Storage Equipment
43 08 10	Commissioning of Gas Handling Equipment
43 08 20	Commissioning of Liquid Handling Equipment
43 08 30	Commissioning of Gas and Liquid Purification Equipment
43 08 40	Commissioning of Gas and Liquid Storage
43 10 00	Gas Handling Equipment
43 11 00	Gas Fans, Blowers, Pumps and Boosters
43 11 11	Direct Drive Single Stage Centrifugal Blowers
43 11 12	Integrally Geared Single Stage Centrifugal Blowers
43 11 13	Separately Geared Single Stage Centrifugal Blowers
43 11 14	Direct Drive Integral Shaft Single Stage Centrifugal Blowers
43 11 17	Horizontally Split Multistage Centrifugal Blowers
43 11 18	Vertically Split Multistage Centrifugal Blowers
43 11 19	Centrifugal Fans
43 11 23	Axial Blowers
43 11 26	Axial Fans
43 11 31	Rotary Helical Screw Blowers
43 11 33	Rotary Lobe Blowers
43 11 34	Regenerative Rotary Blowers
43 11 36 43 11 41	Rotary Vane Blowers Gas-handling Venturi Jet Pumps
43 11 43	Gas-handling Verituri set Furips Gas-handling Vacuum Pumps
43 11 46	Gas Boosters
43 12 00	Gas Compressors
43 12 11	Centrifugal Compressors
43 12 13	Diagonal or Mixed-flow Compressors
43 12 16	Axial-flow Compressors
43 12 33	Single-acting Reciprocating Compressors
43 12 34	Double-acting Reciprocating Compressors
43 12 37	Diaphragm Reciprocating Compressors
43 12 51	Rotary Screw Compressors
43 12 53	Rotary Vane Compressors
43 12 56	Rotary Liquid-ring Compressors
43 12 57	Rotary Scroll Compressors
43 13 00	Gas Process Equipment
43 13 13	Gas Blenders
43 13 19	Gas Mixers
43 13 23	Gas Pressure Regulators

43 13 31 43 13 33	Gas Separation Equipment Gas Dehydration Equipment
43 13 36	Combined Gas Separation and Dehydration Equipment
43 13 39	Gas Recovery and Condensing Equipment
43 13 43	Waste Gas Burner System
43 13 46	Gas Control and Safety Equipment
43 15 00	Process Air and Gas Filters
43 15 13	Blower Intake and Turbine Air Filters
43 15 13.13	
43 15 13.16	
43 15 13.19 43 15 13.23	
43 15 13.23	Grease Filters
43 15 43	Mist Eliminators
43 15 63	High-temperature Air Filters
43 15 73	Multiple-application Air Filters
43 15 73.11	
43 15 73.12	Permanent Washable Filters
43 15 73.13	, ,
43 15 73.15	
43 15 73.17	71
43 15 76	Chemical Media for Air and Gas Filters
43 20 00	Liquid Handling Equipment
43 22 00	Liquid Process Equipment
43 22 13	Liquid Aeration Devices
43 22 16	Liquid Agitators
43 22 19	Liquid Blenders
43 22 23	Liquid Centrifuges
43 22 26	Liquid Deaerators
43 22 29	Drum Handling Liquid Process Equipment
43 22 33	Liquid Emulsifiers
43 22 36	Liquid Evaporators
43 22 39	Liquid Feeders
43 22 56	Liquid Process Mixers
43 22 59 43 22 63	Liquid Process Pressure Regulators
43 22 66	Liquid Separation Towers Liquid Weigh Systems
43 22 69	Liquid Grease Receiving and Dewatering Systems
43 22 73	Liquid Fillers
43 22 76	Liquid Screeners
43 22 79	Liquid Clarifiers
43 22 83	Liquid Classifiers
43 22 86	Liquid Homogenizers
43 22 89	Liquid Presses
43 22 96	Liquid Versators
43 22 99	Liquid Votators
43 23 00	Dry Location Liquid Pumps
43 23 13	Overhung Horizontal Centrifugal Pumps
43 23 13.13	
43 23 13.14	Overhung Flexibly-coupled Horizontal Frame-mounted Centrifugal Pumps

43 23 13.17	Overhung Flexibly-coupled Horizontal Foot-mounted Centrifugal Pumps
43 23 13.19	Overhung Flexibly-coupled Horizontal Foot-mounted Self-priming Centrifugal
	Pumps
43 23 13.21	Overhung Flexibly-coupled Horizontal Centerline-mounted Centrifugal Pumps
43 23 13.23	Overhung Flexibly-coupled, Magnetic Drive, Sealless Horizontal Centrifugal
	Pumps
43 23 13.24	Overhung Close-coupled High-speed Integral Gear Centrifugal Pumps
43 23 13.27	Overhung Close-coupled Horizontal Centrifugal Pumps
43 23 13.29	Overhung Close-coupled Sealless with Canned Motor Horizontal Centrifugal
.0 _0 .00	Pumps
43 23 21	Between-Bearings Impeller Centrifugal Pumps
43 23 21.13	Between-bearings Impeller, One- and Two-stage Axially-split Centrifugal Pumps
43 23 21.14	Between-bearings Impeller, One- and Two-stage, Radially-split Centrifugal Pumps
43 23 21.17	Between-bearings Impeller, Multiple-stage, Axially-split Centrifugal Pumps
43 23 21.17	Between-bearings Impeller, Multiple-stage, Radially-split Centrifugal Pumps
43 23 21.19	Between-bearings impeller, Multiple-stage, Radially-split Centringal Fumps Between-bearings Impeller, Multiple-stage, Radially-split, Single Casing
43 23 21.21	
12 22 24 22	Centrifugal Pumps Retugen begrings Impeller Multiple stage Redially enlit Deuble Casing
43 23 21.23	Between-bearings Impeller, Multiple-stage, Radially-split, Double Casing
40.00.04	Centrifugal Pumps
43 23 31	Vertical Centrifugal Pumps
43 23 31.13	Overhung Flexibly-coupled Vertical Centrifugal Pumps
43 23 31.14	Overhung Flexibly-coupled Vertical Inline Centrifugal Pumps
43 23 31.17	Overhung Flexibly-coupled Vertical End-suction Centrifugal Pumps
43 23 31.19	Overhung Flexibly-coupled, Magnetic Drive, Sealless Vertical Centrifugal Pumps
43 23 31.21	Overhung Close-coupled Vertical Inline Centrifugal Pumps
43 23 31.23	Overhung Close-coupled Vertical End Suction Centrifugal Pumps
43 23 31.24	Overhung Close-coupled Sealless with Canned Motor Vertical Centrifugal Pumps
43 23 31.27	Overhung Rigidly-coupled Vertical Inline Centrifugal Pumps
43 23 31.29	Overhung Close-coupled Vertical Centrifugal Pumps
43 23 51	Vane Pumps
43 23 53	Piston Pumps
43 23 53.13	Piston Axial Rotary Pumps
43 23 53.23	Piston Radial Rotary Pumps
43 23 53.33	Circumferential Single-Piston Rotary Pumps
43 23 53.36	Circumferential Multiple-Piston Rotary Pumps
43 23 54	Flexible Member Pumps
43 23 54.13	Flexible Tube Rotary Pumps
43 23 54.23	Flexible Vane Rotary Pumps
43 23 54.33	Flexible Liner Rotary Pumps
43 23 56	Gear Pumps
43 23 56.13	External Gear Rotary Pumps
43 23 56.23	Internal Gear Rotary Pumps
43 23 57	Progressing Cavity Pumps
43 23 58	Lobe Pumps
43 23 58.13	Single-Lobe Rotary Pumps
43 23 58.23	Multiple-Lobe Rotary Pumps
43 23 59	Screw Pumps
43 23 59.13	Single-Screw Rotary Pumps
43 23 59.23	Multiple-Screw Rotary Pumps
43 23 71	Air-Operated Diaphragm Reciprocating Pumps
43 23 71.13	Air-Operated Diaphragm Simplex Single-Acting Reciprocating Pumps
43 23 71.23	Air-Operated Diaphragm Simplex Double-Acting Reciprocating Pumps
43 23 71.33	Air-Operated Diaphragm Duplex Single-acting Reciprocating Pumps
43 23 71.43	Air-Operated Diaphragm Duplex Double-acting Reciprocating Pumps
43 23 72	Air-Operated Bellows Reciprocating Pumps

43 23 72.13	Air-Operated Bellows Simplex Single-Acting Reciprocating Pumps
43 23 72.23	Air-Operated Bellows Simplex Double-Acting Reciprocating Pumps
43 23 72.33	Air-Operated Bellows Duplex Single-Acting Reciprocating Pumps
43 23 72.43	Air-Operated Bellows Duplex Double-Acting Reciprocating Pumps
43 23 73	Air-Operated Piston Reciprocating Pumps
43 23 73.13	Air-Operated Piston Simplex Single-Acting Reciprocating Pumps
43 23 73.23	Air-Operated Piston Simplex Double-Acting Reciprocating Pumps
43 23 73.33	Air-Operated Piston Duplex Single-Acting Reciprocating Pumps
43 23 73.43	Air-Operated Piston Duplex Double-Acting Reciprocating Pumps
43 23 74	Steam Horizontal Reciprocating Pumps
43 23 74.13	Steam Horizontal Double-Acting Piston Simplex Reciprocating Pumps
43 23 74.23	Steam Horizontal Double-Acting Piston Duplex Reciprocating Pumps
43 23 74.33	Steam Horizontal Double-Acting Plunger Simplex Reciprocating Pumps
43 23 74.43	Steam Horizontal Double-Acting Plunger Duplex Reciprocating Pumps
43 23 75	Steam Vertical Reciprocating Pumps
43 23 75.13	Steam Vertical Neciplocating Fumps Steam Vertical Double-Acting Piston Simplex Reciprocating Pumps
43 23 75.13	Steam Vertical Double-Acting Piston Duplex Reciprocating Pumps
43 23 75.23	, , , , , , , , , , , , , , , , , , , ,
	Steam Vertical Double-Acting Plunger Simplex Reciprocating Pumps Steam Vertical Double-acting Plunger Duplex Reciprocating Pumps
43 23 75.43	
43 23 76	Power Horizontal Reciprocating Pumps
43 23 76.11	Power Horizontal Single-Acting Piston Simplex Reciprocating Pumps
43 23 76.12	Power Horizontal Single-Acting Piston Duplex Reciprocating Pumps
43 23 76.13	Power Horizontal Single-Acting Piston Multiplex Reciprocating Pumps
43 23 76.21	Power Horizontal Single-Acting Plunger Simplex Reciprocating Pumps
43 23 76.22	Power Horizontal Single-Acting Plunger Duplex Reciprocating Pumps
43 23 76.23	Power Horizontal Single-Acting Plunger Multiplex Reciprocating Pumps
43 23 76.31	Power Horizontal Double-Acting Piston Simplex Reciprocating Pumps
43 23 76.32	Power Horizontal Double-Acting Piston Duplex Reciprocating Pumps
43 23 76.33	Power Horizontal Double-Acting Piston Multiplex Reciprocating Pumps
43 23 76.41	Power Horizontal Double-Acting Plunger Simplex Reciprocating Pumps
43 23 76.42	Power Horizontal Double-Acting Plunger Duplex Reciprocating Pumps
43 23 76.43	Power Horizontal Double-Acting Plunger Multiplex Reciprocating Pumps
43 23 77	Power Vertical Reciprocating Pumps
43 23 77.11	Power Vertical Single-Acting Piston Simplex Reciprocating Pumps
43 23 77.12	Power Vertical Single-Acting Piston Duplex Reciprocating Pumps
43 23 77.13	Power Vertical Single-Acting Piston Multiplex Reciprocating Pumps
43 23 77.21	Power Vertical Single-Acting Plunger Simplex Reciprocating Pumps
43 23 77.22	Power Vertical Single-Acting Plunger Duplex Reciprocating Pumps
43 23 77.23	Power Vertical Single-Acting Plunger Multiplex Reciprocating Pumps
43 23 77.31	Power Vertical Double-Acting Piston Simplex Reciprocating Pumps
43 23 77.32	Power Vertical Double-Acting Piston Duplex Reciprocating Pumps
43 23 77.33	Power Vertical Double-Acting Piston Multiplex Reciprocating Pumps
43 23 77.41	Power Vertical Double-Acting Plunger Simplex Reciprocating Pumps
43 23 77.42	Power Vertical Double-Acting Plunger Duplex Reciprocating Pumps
43 23 77.43	Power Vertical Double-Acting Plunger Multiplex Reciprocating Pumps
43 23 78	Controlled Volume Horizontal Reciprocating Pumps
43 23 78.11	Controlled Volume Horizontal Packed Plunger Simplex Reciprocating Pumps
43 23 78.12	Controlled Volume Horizontal Packed Plunger Duplex Reciprocating Pumps
43 23 78.13	Controlled Volume Horizontal Packed Plunger Multiplex Reciprocating Pumps
43 23 78.21	Controlled Volume Horizontal Packed Piston Simplex Reciprocating Pumps
43 23 78.22	Controlled Volume Horizontal Packed Piston Duplex Reciprocating Pumps
43 23 78.23	Controlled Volume Horizontal Packed Piston Multiplex Reciprocating Pumps
43 23 78.31	Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex
	Reciprocating Pumps

43 23 78.32	Controlled Volume Horizontal Mechanically-Coupled Diaphragm Duplex
43 23 78.33	Reciprocating Pumps Controlled Volume Horizontal Mechanically-Coupled Diaphragm Multiplex
43 23 78.34	Reciprocating Pumps
43 23 70.34	Controlled Volume Horizontal Hydraulically-Coupled Diaphragm Simplex Reciprocating Pumps
43 23 78.35	Controlled Volume Horizontal Hydraulically-Coupled Diaphragm Duplex
	Reciprocating Pumps
43 23 78.36	Controlled Volume Horizontal Hydraulically-Coupled Diaphragm Multiplex Reciprocating Pumps
43 23 79	Controlled Volume Vertical Reciprocating Pumps
43 23 79.11	Controlled Volume Vertical Packed Plunger Simplex Reciprocating Pumps
43 23 79.12	Controlled Volume Vertical Packed Plunger Duplex Reciprocating Pumps
43 23 79.13	Controlled Volume Vertical Packed Plunger Multiplex Reciprocating Pumps
43 23 79.21	Controlled Volume Vertical Packed Piston Simplex Reciprocating Pumps
43 23 79.22	Controlled Volume Vertical Packed Piston Duplex Reciprocating Pumps
43 23 79.23	Controlled Volume Vertical Packed Piston Multiplex Reciprocating Pumps
43 23 79.31	Controlled Volume Vertical Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps
43 23 79.32	Controlled Volume Vertical Mechanically-Coupled Diaphragm Duplex
40.00.70.00	Reciprocating Pumps
43 23 79.33	Controlled Volume Vertical Mechanically-Coupled Diaphragm Multiplex Reciprocating Pumps
43 23 79.34	Controlled Volume Vertical Hydraulically-Coupled Diaphragm Simplex
43 23 79.35	Reciprocating Pumps Controlled Volume Vertical Hydraulically-Coupled Diaphragm Duplex
	Reciprocating Pumps
43 23 79.36	Controlled Volume Vertical Hydraulically-Coupled Diaphragm Multiplex
	Reciprocating Pumps
43 24 00	Reciprocating Pumps Suspended Liquid Pumps
43 24 00 43 24 11	Suspended Liquid Pumps
43 24 11	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps
	Suspended Liquid Pumps
43 24 11	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser
43 24 11 43 24 13 43 24 13.13	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps
43 24 11 43 24 13	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser
43 24 11 43 24 13 43 24 13.13	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Axial Flow
43 24 11 43 24 13 43 24 13.13 43 24 13.23	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal Pumps
43 24 11 43 24 13 43 24 13.13 43 24 13.23 43 24 13.33 43 24 16	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Axial Flow Centrifugal Pumps Vertically Suspended Single-casing Separate Discharge (Sump) Centrifugal Pumps
43 24 11 43 24 13 43 24 13.13 43 24 13.23 43 24 13.33	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Axial Flow Centrifugal Pumps Vertically Suspended Single-casing Separate Discharge (Sump) Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Line Shaft
43 24 11 43 24 13 43 24 13.13 43 24 13.23 43 24 13.33 43 24 16 43 24 16.13	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Axial Flow Centrifugal Pumps Vertically Suspended Single-casing Separate Discharge (Sump) Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Line Shaft Centrifugal Pumps
43 24 11 43 24 13 43 24 13.13 43 24 13.23 43 24 13.33 43 24 16	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Axial Flow Centrifugal Pumps Vertically Suspended Single-casing Separate Discharge (Sump) Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Line Shaft Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Cantilever
43 24 11 43 24 13 43 24 13.13 43 24 13.23 43 24 13.33 43 24 16 43 24 16.13 43 24 16.23	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Axial Flow Centrifugal Pumps Vertically Suspended Single-casing Separate Discharge (Sump) Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Line Shaft Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Cantilever Centrifugal Pumps
43 24 11 43 24 13 43 24 13.13 43 24 13.23 43 24 13.33 43 24 16 43 24 16.13 43 24 16.23 43 24 21	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Axial Flow Centrifugal Pumps Vertically Suspended Single-casing Separate Discharge (Sump) Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Line Shaft Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Cantilever Centrifugal Pumps Vertically Suspended Double-Casing Centrifugal Pumps
43 24 11 43 24 13 43 24 13.13 43 24 13.23 43 24 13.33 43 24 16 43 24 16.13 43 24 16.23 43 24 21 43 24 21.13	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Axial Flow Centrifugal Pumps Vertically Suspended Single-casing Separate Discharge (Sump) Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Line Shaft Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Cantilever Centrifugal Pumps Vertically Suspended Double-Casing Centrifugal Pumps Vertically Suspended Double-Casing Diffuser Centrifugal Pumps
43 24 11 43 24 13 43 24 13.13 43 24 13.23 43 24 13.33 43 24 16 43 24 16.13 43 24 16.23 43 24 21 43 24 21.13 43 24 21.23	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Axial Flow Centrifugal Pumps Vertically Suspended Single-casing Separate Discharge (Sump) Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Line Shaft Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Cantilever Centrifugal Pumps Vertically Suspended Double-Casing Centrifugal Pumps Vertically Suspended Double-Casing Diffuser Centrifugal Pumps Vertically Suspended Double-Casing Volute Centrifugal Pumps
43 24 11 43 24 13 43 24 13.13 43 24 13.23 43 24 13.33 43 24 16 43 24 16.13 43 24 16.23 43 24 21 43 24 21.13 43 24 21.23 43 24 26	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Axial Flow Centrifugal Pumps Vertically Suspended Single-casing Separate Discharge (Sump) Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Line Shaft Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Cantilever Centrifugal Pumps Vertically Suspended Double-Casing Centrifugal Pumps Vertically Suspended Double-Casing Diffuser Centrifugal Pumps Vertically Suspended Double-Casing Volute Centrifugal Pumps Vertically Suspended Inline Casing Diffuser Centrifugal Pumps
43 24 11 43 24 13 43 24 13.13 43 24 13.23 43 24 13.33 43 24 16 43 24 16.13 43 24 16.23 43 24 21 43 24 21.13 43 24 21.23 43 24 26 43 24 41	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Axial Flow Centrifugal Pumps Vertically Suspended Single-casing Separate Discharge (Sump) Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Line Shaft Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Cantilever Centrifugal Pumps Vertically Suspended Double-Casing Centrifugal Pumps Vertically Suspended Double-Casing Diffuser Centrifugal Pumps Vertically Suspended Double-Casing Volute Centrifugal Pumps Vertically Suspended Inline Casing Diffuser Centrifugal Pumps
43 24 11 43 24 13 43 24 13.13 43 24 13.23 43 24 13.33 43 24 16 43 24 16.13 43 24 16.23 43 24 21 43 24 21.13 43 24 21.23 43 24 21.23 43 24 26 43 24 41 43 24 41.13	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Axial Flow Centrifugal Pumps Vertically Suspended Single-casing Separate Discharge (Sump) Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Line Shaft Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Cantilever Centrifugal Pumps Vertically Suspended Double-Casing Centrifugal Pumps Vertically Suspended Double-Casing Diffuser Centrifugal Pumps Vertically Suspended Double-Casing Volute Centrifugal Pumps Vertically Suspended Inline Casing Diffuser Centrifugal Pumps
43 24 11 43 24 13 43 24 13.13 43 24 13.23 43 24 13.33 43 24 16 43 24 16.13 43 24 16.23 43 24 21 43 24 21.13 43 24 21.23 43 24 21.23 43 24 24 41 43 24 41.13 43 24 41.13 43 24 41.23	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Axial Flow Centrifugal Pumps Vertically Suspended Single-casing Separate Discharge (Sump) Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Line Shaft Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Cantilever Centrifugal Pumps Vertically Suspended Double-Casing Centrifugal Pumps Vertically Suspended Double-Casing Diffuser Centrifugal Pumps Vertically Suspended Double-Casing Volute Centrifugal Pumps Vertically Suspended Inline Casing Diffuser Centrifugal Pumps Vertically Suspended Inline Casing Diffuser Centrifugal Pumps Vertically Suspended Inline Casing Diffuser Screw-type Pumps Positive-Displacement Inclined Open Archimedes Screw-type Pumps
43 24 11 43 24 13 43 24 13.13 43 24 13.23 43 24 13.33 43 24 16 43 24 16.13 43 24 16.23 43 24 21 43 24 21.13 43 24 21.23 43 24 21.23 43 24 26 43 24 41 43 24 41.13	Suspended Liquid Pumps Vertically Suspended Single-Casing Submersible Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Axial Flow Centrifugal Pumps Vertically Suspended Single-casing Separate Discharge (Sump) Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Line Shaft Centrifugal Pumps Vertically Suspended Single-Casing Separate Discharge (Sump) Cantilever Centrifugal Pumps Vertically Suspended Double-Casing Centrifugal Pumps Vertically Suspended Double-Casing Diffuser Centrifugal Pumps Vertically Suspended Double-Casing Volute Centrifugal Pumps Vertically Suspended Inline Casing Diffuser Centrifugal Pumps

	43 25 13.13 43 25 13.23	Overhung Close-Coupled Submersible Diffuser Centrifugal Pumps Overhung Close-Coupled Submersible Volute Centrifugal Pumps
	43 25 50	Positive Displacement Submersible Liquid Pumps
43	26 00	Specialized Liquid Pumps
	43 26 13	Submersible Grinder Pumps
	43 26 30	Regenerative Centrifugal Pumps
	43 26 30.13	Overhung Impeller Regenerative Turbine Pumps
	43 26 30.21	Overhung Impeller Single-Stage Regenerative Turbine Pumps
	43 26 30.23	Overhung Impeller Two-Stage Regenerative Turbine Pumps
	43 26 30.26	Between-Bearings Impeller Regenerative Turbine Pumps
	43 26 30.27	Between-Bearings Impeller Single-Stage Regenerative Turbine Pumps
	43 26 30.29 43 26 40	Between-Bearings Impeller Two-Stage Regenerative Turbine Pumps
	43 26 60	Regenerative Vacuum Pumps
	43 26 70	Regenerative Vacuum Pumps
40		Rotating-Case Pumps
43	27 00	Process Liquid Filters
	43 27 13	Cyclonic Liquid Filters
	43 27 16	Centrifugal Horizontal Pressure Leaf Liquid Filters
	43 27 19	Press Liquid Filters
	43 27 23	Liquid Bag Filters
	43 27 33	Mechanically Cleaned Liquid Filters
	43 27 43	Tubular Backwashing Liquid Filters
	43 27 53	Vacuum Belt Liquid Filters
	43 27 63	Woven Media Liquid Filters
	43 27 63.13	Disc Liquid Filters
	43 27 63.23 43 27 63.33	Rotating Drum Liquid Filters Layer Liquid Filters
	43 27 63.43	Candle Liquid Filters
	43 27 63.53	Vertical Leaf Liquid Filters
	43 27 73	Nonwoven Media Liquid Filters
	43 27 73.13	Surface Liquid Filters
	43 27 73.23	Depth Liquid Filters
43	30 00	Gas and Liquid Purification Equipment
	31 00	•
43		Gas and Liquid Purification Filtration Equipment
	43 31 13	Gas and Liquid Purification Filters
	43 31 13.13 43 31 13.16	Activated Carbon-Gas and Liquid Purification Filters Gas and Liquid Purification Filter Presses
	43 31 13.19	High-Purity Cartridge Gas and Liquid Purification Filters
	43 31 13.23	Membrane Diaphragm Gas and Liquid Purification Filters
	43 31 13.26	Multimedia Gas and Liquid Purification Filters
	43 31 13.29	Pretreatment Cartridge Gas and Liquid Purification Filters
	43 31 13.33	Ultrafilter Units
43	32 00	Gas and Liquid Purification Process Equipment
	43 32 13	Gas and Liquid Purification Process Beds
	43 32 13.13	Anion-Gas and Liquid Purification Process Beds
	43 32 13.16	Cation-Gas and Liquid Purification Process Beds
	43 32 23	Gas and Liquid Purification Process Clarifier Systems
	43 32 26	Gas and Liquid Purification Decarbonators
	43 32 29	Electronic Deionization Purification Units
	43 32 33	External Regeneration Systems
	43 32 36	Mixed-Bed Ion-Exchange Vessels

43 32 39 43 32 39.13 43 32 39.16 43 32 53 43 32 56 43 32 59 43 32 63 43 32 66 43 32 69	Gas and Liquid Purification Mixed Beds Externally Regenerable Gas and Liquid Purification Mixed Beds In-Situ Regenerable Gas and Liquid Purification Mixed Beds Packed-Bed Ion-Exchange Vessels Reverse-Osmosis Purification Units Gas and Liquid Purification Scrubbers Ultraviolet Sterilizers Vacuum Degasifiers Chemical Feed Systems
43 32 73 43 32 76	Ozonation Equipment Chlorination Equipment
43 40 00	Gas and Liquid Storage
43 41 00	Non-pressurized Tanks and Vessels
43 41 11 43 41 13 43 41 13.13 43 41 13.23 43 41 13.43 43 41 13.43 43 41 26 43 41 26 43 41 31 43 41 41 43 41 43 43 41 45 43 41 53 43 41 63 43 41 73	Bolted Steel Tanks Welded Steel Tanks Glass-lined Welded Steel Tanks Rubber-lined Welded Steel Tanks Epoxy-lined Welded Steel Tanks Ceramic-lined Welded Steel Tanks Stainless Steel Tanks Aluminum Tanks Metallic Specialty Tanks Polyvinyl Chloride Tanks Polyethylene Tanks Fiberglass Reinforced Plastic Tanks Wood Stave Tanks Precast Concrete Tanks Ceramic Tanks
43 41 83 43 42 00	Non-metallic Specialty Tanks Pressurized Tanks and Vessels
43 42 11 43 42 13 43 42 21 43 42 23 43 42 26 43 42 33 43 42 36 43 42 41 43 42 53 43 42 83	Cast Iron Pressure Tanks Ductile Iron Pressure Tanks Welded Steel Pressure Tanks Glass-lined Steel Pressure Tanks Welded Steel Gas Storage Sphere Stainless Steel Pressure Tanks Aluminum Pressure Tanks Metallic Specialty Pressure Tanks Fiberglass Reinforced Plastic Pressure Tanks Non-metallic Specialty Pressure Tanks
44 00 00	Pollution and Waste Control
	Equipment
44 01 00	Operation and Maintenance of Pollution and Waste Control Equipment
44 01 10 44 01 20 44 01 30 44 01 40	Operation and Maintenance of Air Pollution Control Operation and Maintenance of Noise Pollution Control Operation and Maintenance of Odor Control Equipment Operation and Maintenance of Water Pollution Control Equipment

44 01 50	Operation and Maintenance of Solid Waste Control and Reuse
44 01 60	Operation and Maintenance of Waste Thermal Processing Equipment
44 05 00	Common Work Results for Pollution and Waste
	Control Equipment
44 05 05	Selective Demolition for Pollution and Waste Control Equipment
44 06 00	Schedules for Pollution and Waste Control Equipment
44 06 10	Schedules for Air Pollution Control
44 06 20	Schedules for Noise Pollution Control
44 06 30	Schedules for Odor Control Equipment
44 06 40	Schedules for Water Pollution Control Equipment
44 06 50	Schedules for Solid Waste Control and Reuse
44 06 60	Schedules for Waste Thermal Processing Equipment
44 08 00	Commissioning of Pollution and Waste Control
	Equipment
44 08 10	Commissioning of Air Pollution Control
44 08 20	Commissioning of Noise Pollution Control
44 08 30	Commissioning of Odor Control Equipment
44 08 40	Commissioning Water Pollution Control Equipment
44 08 50 44 08 60	Commissioning Solid Waste Control and Reuse Commissioning of Waste Thermal Processing Equipment
44 10 00	Air Pollution Control
44 11 00	Particulate Control Equipment
44 11 13	Fugitive Dust Control
44 11 16	Fugitive Dust Barrier Systems
44 11 19	Atmospheric Air Quality Monitoring Equipment
44 11 20	Gravitational Separators
44 11 31 44 11 33	Venturi Scrubbing Equipment
44 11 36	Spray Tower/Chamber Scrubbing Equipment Cyclone Scrubbing Equipment
44 11 51	Pulse Jet Fabric Filtration Equipment
44 11 53	Reverse Flow Fabric Filtration Equipment
44 11 54	Shake/Deflate Fabric Filtration Equipment
44 11 56	Cartridge Filtration Equipment
44 11 59	Disposable Dry Filtration Equipment
44 11 71	Cyclone Dust Collection Equipment
44 11 73	Multicylone Dust Collection Equipment
44 11 76	Mist Elimination Equipment
44 11 93	Wet Electrostatic Precipitator Equipment
44 11 96	Dry Plate Electrostatic Precipitator Equipment
44 13 00	Gaseous Air Pollution Control Equipment
44 13 11	Spray Tower/Chamber Absorption Equipment
44 13 13	Packed Tower/Chamber Absorption Equipment
44 13 14	Tray Tower Absorption Equipment
44 13 16 44 13 17	Jet Bubbling Reactor Equipment Venturi Absorption Equipment
44 13 17	Vacuum Extraction Systems
44 13 31	Powdered Injection Adsorption Equipment
44 13 33	Fluidized Bed Adsorption Equipment

44 13 34 44 13 36 44 13 39 44 13 51 44 13 53 44 13 56 44 13 59 44 13 71 44 13 73	Fixed Bed Adsorption Equipment Rotary Bed Adsorption Equipment Radial Bed Adsorption Equipment Thermal Oxidation Equipment Catalytic Oxidation Equipment Flare Oxidation Equipment Claus Sulfur Recovery Equipment Thermal Reduction Equipment Catalytic Reduction Equipment
44 13 76	Non-catalytic Reduction Equipment
44 13 77 44 13 81	Selective Non-catalytic Reduction Equipment Condensation Systems
44 13 83	Contact Condensing Equipment
44 13 86	Solvent Recovery Equipment
44 13 91	Biofilter Media
44 13 93 44 13 96	Fixed Bed Biofilter Equipment Fixed Bed Biotrickling Filter Equipment
44 13 97	Fixed Bed Bioscrubbing Equipment
44 20 00	Noise Pollution Control
44 21 00	Noise Pollution Control Equipment
44 21 13	Fixed Noise Abatement Barriers
44 21 16	Flexible Noise Abatement Barriers
44 21 19	Portable Noise Abatement Barriers
44 21 23	Noise Pollution Silencers
44 21 26	Frequency Cancellers
44 30 00	Odor Control
44 31 00	Odor Treatment Equipment
44 31 11	Wet Chemical Packed Tower Odor Control Equipment
44 31 13	Chemical Mist System Odor Control Equipment
44 31 16 44 31 19	Activated Carbon Adsorption Odor Control Equipment Packaged Odor Control Systems
44 31 21	Odor Control Biofilters
44 31 28	Odor Control Biofilter Aeration Floor
44 31 29	Odor Control Biofilter Media
44 31 31	Odor Control Biotrickling Filter Equipment
44 31 33 44 31 41	Odor Control Bioscrubbing Equipment Odor Control Vapor Combustion Equipment
44 31 83	Adjusting and Balancing Odor Control Systems
44 32 00	Odor Dispersing and Masking/Counteracting
	Equipment
44 32 13	Odor Dispersing Exhaust Stacks
44 32 13.13	Fan-equipped Odor Dispersing Exhaust Stacks
44 32 23	Odor Masking/Counteracting Equipment
44 40 00	Water Pollution Control Equipment
44 41 00	Water Pollution Containment and Cleanup Equipment
44 41 13	Spill Cleanup
44 41 21 44 41 23	Containment Booms
44 4 1 / 3	Marine Spill Accessories

44 41 31	Spill Decks
44 41 32	Drum Containment Units
44 41 33	Containment Pallets
44 41 34	Prefabricated Spill Containment Curbing
44 41 36	Prefabricated Spill Containment Berms
44 41 37	Prefabricated Berms for Tank Containment
44 41 41	Collapsible Storage Tanks
44 50 00	Solid Waste Control and Reuse
44 51 00	Solid Waste Collection, Transfer, and Hauling
	Equipment
44 51 13	Solid Waste Portable Containers
44 51 16	Solid Waste Stationary Containers
44 51 23	Solid Waste Transfer Trailers
44 53 00	Solid Waste Processing Equipment
44 53 11	Live-floor Storage Bins
44 53 13	Refuse Cranes and Accessories
44 53 16	Solid Waste Screens
44 53 21	Car Crushers
44 53 23	Shears and Guillotines
44 53 26	Shredders and Grinders
44 53 27	Perforators
44 53 31	Bag Breakers
44 53 33	Granulators
44 53 36	Crumb Rubber Systems
44 53 39	Briquetters
44 53 41	Vibratory Table Separation Equipment
44 53 43	Ferrous Metals Separation Equipment
44 53 44	Eddy Current Separators
44 53 46	Single-stream Materials Separation Equipment
44 53 49	Ballistic Separators
44 53 51	Air Classifying Equipment
44 53 52	Air Knives
44 53 53	Optical Sorting Equipment
44 53 56	Packaged Sorting Stations
44 53 59	Packaged Reclaimer Stations
44 53 61	Solid Waste Compactors
44 53 63	Solid Waste Baling Equipment
44 53 64 44 53 66	Bagging Equipment
44 53 73	Wrappers Solid Waste Liquid Extraction Equipment
44 55 00	Composting Equipment
44 55 11	Electromechanical Composters
44 55 13	Compost Screening Equipment
44 55 16	Compost Shredding Equipment
44 55 23	Compost Pile Turning Equipment
44 55 26	Compost Mixing and Blending Equipment
44 55 33	In-vessel Composing Equipment
44 55 43 44 55 73	Compost Pad System Compost Liquid Extraction Equipment
 00 / 0	Compost Liquid Extraction Equipment

44 60 00	Waste Thermal Processing Equipment
44 61 00 44 61 13 44 61 16 44 61 23 44 61 26 44 61 29 44 61 31	Waste-to-Energy Plants Waste Receiving, Management, and Feed Equipment Mass Burn Combustion Equipment Refuse-derived Fuel Feed Equipment Refuse-derived Fuel Combustion Equipment Modular Combustion System Equipment Ash Handling Equipment
44 61 33 44 61 36	Post-combustion Ferrous Metals Recovery Equipment Post-combustion Non-ferrous Metals Recovery Equipment
44 62 00	Fluidized Bed Combustion Equipment
44 63 00	Rotary Kiln Incinerators
44 64 00 44 64 13 44 64 23 44 64 33 44 64 43 44 64 53	Gasification Equipment Counter-current Fixed Bed Gasification Equipment Co-current Fixed Bed Gasification Equipment Fluidized Bed Gasification Equipment Entrained Flow Gasification Equipment Plasma Arc Gasification Equipment
44 65 00	Pyrolysis Equipment
44 66 00	Hazardous Waste and Medical Waste Incinerators
44 67 00	Heat Recovery Equipment for Waste Thermal Processing
44 68 00	Synthesis Gas Cleanup and Handling Equipment
45 00 00	
45 00 00	Industry-Specific Manufacturing
	Equipment
45 05 00	Common Work Results for Industry-Specific
	Manufacturing Equipment
45 05 05	Selective Demolition for Industry-Specific Manufacturing Equipment
45 08 00	Commissioning of Industry-Specific Manufacturing
45 11 00	Equipment Oil and Gas Extraction Equipment
45 11 00 45 11 01 45 11 06 45 11 10	Oil and Gas Extraction Equipment Operation and Maintenance of Oil and Gas Extraction Equipment Schedules for Oil and Gas Extraction Equipment User-Defined Oil and Gas Extraction Equipment
45 12 00	User-Defined Oil and Gas Extraction Equipment
45 13 00	Mining Machinery and Equipment
45 13 01 45 13 06 45 13 10	Operation and Maintenance of Mining Machinery and Equipment Schedules for Mining Machinery and Equipment User-Defined Mining Machinery and Equipment
45 14 00	User-Defined Mining Machinery and Equipment
45 15 00	Food Manufacturing Equipment
45 15 01 45 15 06 45 15 10	Operation and Maintenance of Food Manufacturing Equipment Schedules for Food Manufacturing Equipment User-Defined Food Manufacturing Equipment

45 16 00 45 17 00 45 17 01	User-Defined Food Manufacturing Equipment Beverage and Tobacco Manufacturing Equipment Operation and Maintenance of Beverage and Tobacco Manufacturing Equipment
45 17 06	Schedules for Beverage and Tobacco Manufacturing Equipment
45 17 10 45 18 00	User-Defined Beverage and Tobacco Manufacturing Equipment
45 16 00	User-Defined Beverage and Tobacco Manufacturing Equipment
45 19 00	Textiles and Apparel Manufacturing Equipment
45 19 01	Operation and Maintenance of Textiles and Apparel Manufacturing Equipment
45 19 06	Schedules for Textiles and Apparel Manufacturing Equipment
45 19 10	User-Defined Textiles and Apparel Manufacturing Equipment
45 20 00	User-Defined Textiles and Apparel
	Manufacturing Equipment
45 21 00 45 21 01	Leather and Allied Product Manufacturing Equipment Operation and Maintenance of Leather and Allied Product Manufacturing
45 21 06	Equipment Schedules for Leather and Allied Product Manufacturing Equipment
45 21 10	User-Defined Leather and Allied Product Manufacturing Equipment
45 22 00	User-Defined Leather and Allied Product
	Manufacturing Equipment
45 23 00	Wood Product Manufacturing Equipment
45 23 01 45 23 06	Operation and Maintenance of Wood Product Manufacturing Equipment Schedules for Wood Product Manufacturing Equipment
45 23 10 45 23 10	User-Defined Wood Product Manufacturing Equipment
45 24 00	User-Defined Wood Product Manufacturing Equipment
45 25 00	Paper Manufacturing Equipment
45 25 01	Operation and Maintenance of Paper Manufacturing Equipment
45 25 06 45 25 10	Schedules for Paper Manufacturing Equipment
45 26 00	User-Defined Paper Manufacturing Equipment User-Defined Paper Manufacturing Equipment
45 27 00 45 27 00	Printing and Related Manufacturing Equipment
45 27 01	Operation and Maintenance of Printing and Related Manufacturing Equipment
45 27 06	Schedules for Printing and Related Manufacturing Equipment
45 27 10	User-Defined Printing and Related Manufacturing Equipment
45 28 00	User-Defined Printing and Related Manufacturing
45.00.00	Equipment
45 29 00	Petroleum and Coal Products Manufacturing
45 29 01	Equipment Operation and Maintenance of Petroleum and Coal Products Manufacturing Equipment
45 29 06 45 29 10	Schedules for Petroleum and Coal Products Manufacturing Equipment User-Defined Petroleum and Coal Products Manufacturing Equipment

45 30 00	User-Defined Petroleum and Coal Products Manufacturing Equipment
45 31 00	Chemical Manufacturing Equipment
45 31 01	Operation and Maintenance of Chemical Manufacturing Equipment
45 31 06	Schedules for Chemical Manufacturing Equipment
45 31 10	User-Defined Chemical Manufacturing Equipment
45 32 00	User-Defined Chemical Manufacturing Equipment
45 33 00	Plastics and Rubber Manufacturing Equipment
45 33 01	Operation and Maintenance of Plastics and Rubber Manufacturing
40 00 01	Equipment
45 33 06	Schedules for Plastics and Rubber Manufacturing Equipment
45 33 10	User-Defined Plastics and Rubber Manufacturing Equipment
45 34 00	User-Defined Plastics and Rubber Manufacturing
	Equipment
45 35 00	Nonmetallic Mineral Product Manufacturing
40 00 00	_
45 35 01	Equipment Operation and Maintenance of Nonmetallic Mineral Product Manufacturing
40 00 01	Equipment
45 35 06	Schedules for Nonmetallic Mineral Product Manufacturing Equipment
45 35 10	User-Defined Nonmetallic Mineral Product Manufacturing Equipment
45 36 00	User-Defined Nonmetallic Mineral Product
	Manufacturing Equipment
45 37 00	Primary Metal Manufacturing Equipment
45 37 01	Operation and Maintenance of Primary Metal Manufacturing Equipment
45 37 06	Schedules for Primary Metal Manufacturing Equipment
45 37 10	User-Defined Primary Metal Manufacturing Equipment
45 38 00	User-Defined Primary Metal Manufacturing Equipment
45 39 00	Fabricated Metal Product Manufacturing Equipment
45 39 01	Operation and Maintenance of Fabricated Metal Product Manufacturing
	Equipment
45 39 06	Schedules for Fabricated Metal Product Manufacturing Equipment
45 39 10	User-Defined Fabricated Metal Product Manufacturing Equipment
45 40 00	User-Defined Fabricated Metal Product
	Manufacturing Equipment
45 41 00	Machinery Manufacturing Equipment
45 41 01	Operation and Maintenance of Machinery Manufacturing Equipment
45 41 06	Schedules for Machinery Manufacturing Equipment
45 41 10	User-Defined Machinery Manufacturing Equipment
45 42 00	User-Defined Machinery Manufacturing Equipment
45 43 00	Computer and Electronic Product Manufacturing
.0 .0 00	Equipment
45 43 01	Operation and Maintenance of Computer and Electronic Product
70 TO 01	Manufacturing Equipment
45 43 06	Schedules for Computer and Electronic Product Manufacturing Equipment

45 43 10	User-Defined Computer and Electronic Product Manufacturing Equipment
45 44 00	User-Defined Computer and Electronic Product
45 45 00	Manufacturing Equipment Electrical Equipment, Appliance, and Component
	Manufacturing Equipment
45 45 01	Operation and Maintenance of Electrical Equipment, Appliance, and Component Manufacturing Equipment
45 45 06	Schedules for Electrical Equipment, Appliance, and Component
45 45 10	Manufacturing Equipment User-Defined Electrical Equipment, Appliance, and Component Manufacturing Equipment
45 46 00	User-Defined Electrical Equipment, Appliance, and
	Component Manufacturing Equipment
45 47 00	Transportation Manufacturing Equipment
45 47 01	Operation and Maintenance of Transportation Manufacturing Equipment
45 47 06 45 47 10	Schedules for Transportation Manufacturing Equipment User-Defined Transportation Manufacturing Equipment
45 48 00	User-Defined Transportation Manufacturing
	Equipment
45 49 00	Furniture and Related Product Manufacturing
	Equipment
45 49 01	Operation and Maintenance of Furniture and Related Product
45 49 06	Manufacturing Equipment Schedules for Furniture and Related Product Manufacturing Equipment
45 49 10	User-Defined Furniture and Related Product Manufacturing Equipment
45 50 00	User-Defined Furniture and Related
	Product Manufacturing Equipment
45 52 00	User-Defined Other Manufacturing Equipment
45 53 00	Biopharmaceutical Manufacturing Equipment
46 00 00	Water and Wastewater Equipment
46 01 00	Operation and Maintenance of Water and Wastewater
	Equipment
46 01 07	Operation and Maintenance of Packaged Treatment Equipment
46 01 20 46 01 30	Operation and Maintenance of Preliminary Treatment Equipment Operation and Maintenance of Chemical Feed Equipment
46 01 40	Operation and Maintenance of Clarification and Mixing Equipment
46 01 50	Operation and Maintenance of Secondary Treatment Equipment
46 01 60 46 01 70	Operation and Maintenance of Advanced Treatment Equipment Operation and Maintenance of Residuals Handling and Treatment
46 05 00	Common Work Results for Water and Wastewater
	Equipment
46 05 05	Selective Demolition for Water and Wastewater Equipment
46 06 00 46 06 07	Schedules for Water and Wastewater Equipment Schedules for Packaged Treatment Equipment

46 06 20	Schedules for Preliminary Treatment Equipment
46 06 30	Schedules for Chemical Feed Equipment
46 06 40	Schedules for Clarification and Mixing Equipment
46 06 50	Schedules for Secondary Treatment Equipment
46 06 60	Schedules for Advanced Treatment Equipment
46 06 70	Schedules for Residuals Handling and Treatment
46 07 00	Packaged Water and Wastewater Treatment
	Equipment
46 07 13	Packaged Water Treatment Equipment
46 07 53	Packaged Wastewater Treatment Equipment
46 08 00	Commissioning of Water and Wastewater Equipment
46 08 07	Commissioning of Packaged Treatment Equipment
46 08 20	Commissioning of Preliminary Treatment Equipment
46 08 30	Commissioning of Chemical Feed Equipment
46 08 40	Commissioning of Clarification and Mixing Equipment
46 08 50	Commissioning of Secondary Treatment Equipment
46 08 60	Commissioning of Advanced Treatment Equipment
46 08 70	Commissioning of Residuals Handling and Treatment
46 20 00	Water and Wastewater Preliminary
	Treatment Equipment
46 21 00	Screening Equipment
46 21 11	Climber-type Bar Screens
46 21 13	Chain-and-Rake Bar Screens
46 21 16	Flexible Rake Bar Screens
46 21 17	Catenary Bar Screens
46 21 19	Continuous Belt Screens
46 21 23	Cylindrical Bar Screens
46 21 26	Step Screens
46 21 33	Rotary Drum Screens
46 21 39	Spiral Screens
46 21 43	Band Screens
46 21 46	Disc Screens
46 21 51	Traveling Water Screens
46 21 53	Perforated Plate Screens
46 21 56	Wedge Wire Screens
46 21 57	Element Screens
46 21 71 46 21 73	Trash Raking Equipment
46 21 76	Screenings Washing and Compacting Equipment Vacuum Screenings Conveying Equipment
46 21 79	Screenings Storage Containers
46 21 83	Septage Receiving Equipment
46 23 00	Grit Removal and Handling Equipment
46 23 13 46 23 16	Chain-and-Bucket Grit Removal Equipment
46 23 23	Chain-and-Flight Grit Removal Equipment Vortex Grit Removal Equipment
46 23 27	Cyclone Degritters
46 23 33	Aerated Grit Removal Equipment
46 23 43	Inline Baffled Grit Removal Equipment

46 23 53	Traveling Bridge Grit Removal Equipment
46 23 63	Grit Classifying and Washing Equipment
46 23 66	Grit Storage Containers
46 24 00	Grinding and Shredding Equipment
46 24 13	Macerators
46 24 16	Comminutors
46 24 23	Inline Grinders
46 24 33	Open-channel Grinders
46 24 36	Modular Grinding-Screening-Compacting Equipment
46 25 00	Oil and Grease Separation and Removal Equipment
46 25 13	Coalescing Oil-Water Separators
46 25 16	API Oil-Water Separators
46 25 23	Grease Traps
46 25 33	Dissolved Air Flotation Grease and Oil Separation Equipment
46 25 41	Helical Scum Skimming and Removal Equipment
46 25 43	Tipping Trough Scum Skimming and Removal Equipment
46 25 46	Chain and Flight Scum Collection and Removal Equipment
46 25 47	Floating Scum Skimming and Removal Equipment
46 30 00	Water and Wastewater Chemical Feed
	Equipment
46 31 00	Gas Chemical Feed Equipment
46 31 11	Chlorine Gas Feed Equipment
46 31 13	Sulfur Dioxide Gas Feed Equipment
46 31 16	Ammonia Gas Feed Equipment
46 31 23	Gas Storage, Weighing, and Leak Detection Equipment
46 31 26	Emergency Gas Treatment Systems
46 31 33	Chlorine Dioxide Reactors
46 31 43	Carbon Dioxide Gas Feed Equipment
46 31 53	Ozone Generating and Feed Equipment
46 31 56	Liquid Oxygen Storage and Feed Equipment
46 31 59	Cleaning Requirements for Oxygen Service
46 31 83	Gas Chemical Feed Accessories and Safety Equipment
46 33 00	Liquid Chemical Feed Equipment
46 33 13	Sodium Hypochlorite Generating Equipment
46 33 23	Liquid Chemical Weighing Equipment
46 33 33	Polymer Blending and Feed Equipment
46 33 41	Liquid Chemical Feed System Coordination and Integration
46 33 42	Diaphragm-type Metering Pumps
46 33 44	Peristaltic Metering Pumps
46 33 46	Progressing Cavity Metering Pumps
46 33 48	Lobe Metering Pumps
46 33 53	Drum Pumps
46 33 66	Liquid Chemical Transfer Pumps
46 33 73	Liquid Chemical Diffusers
46 33 83	Liquid Chemical Feed Accessories and Safety Equipment
46 36 00	Dry Chemical Feed Equipment
46 36 11	Dry Chemical Feed System Coordination and Integration
46 36 13	Storage Silos

46 51 00	Air and Gas Diffusion Equipment
	Treatment Equipment
46 50 00	Water and Wastewater Secondary
46 46 26	Nozzle Systems
46 46 23 46 46 26	Water Cannon
46 46 16	Flushing Gates
46 46 13	Tipping Sediment Flushing Tanks
46 46 00	Sediment Removal Equipment
46 43 76	Inclined Plate Settlers
46 43 73	Tube Settlers
46 43 67	High rate Clarification/Thickening Equipment
46 43 66	Ballasted High-rate Clarifier Equipment
46 43 63	Dissolved Air Flotation Equipment for Water Treatment
46 43 61	Flocculating Clarifier, Pulsating Sludge Blanket Type
46 43 53	Solids Contact Clarifier Equipment
46 43 21	Circular Clarifier Equipment
46 43 18	Oscillating Scraper-type Clarifier Equipment
46 43 16	Differential Head Clarifier Equipment
46 43 14	Traveling Bridge Clarifier Equipment
46 43 11	Chain-and-Flight Clarifier Equipment
46 43 00	Clarifier Equipment
46 41 46	Portable Tank Mixers
46 41 43 46 41 46	Side-entry Tank Mixers
46 41 41 46 41 43	Top-entering Tank Mixers
46 41 38 46 41 41	Horizontal Oscillating Flocculation Equipment
46 41 36	Walking-beam Flocculation Equipment
46 41 34	Vertical Turbine Flocculation Equipment
46 41 33	Horizontal Reel Flocculation Equipment
46 41 31	Vertical Reel Flocculation Equipment
46 41 29	Pin Mixers
46 41 27	Paddle Mixers
46 41 26	Floating Mechanical Mixers
46 41 23	Submersible Mixers
46 41 21	Jet Mixing Equipment
46 41 17	Inline Static Mixers
46 41 16	Induction-type Rapid Mixing Equipment
46 41 13	Inline Blender-type Rapid Mixers
46 41 11	Rapid Mixers
46 41 00	Mixing Equipment
40 44 00	
	Mixing Equipment
46 40 00	Water and Wastewater Clarification and
46 36 83	Dry Chemical Feed Accessories and Safety Equipment
46 36 53	Chemical Tablet Feeding Equipment
46 36 43	Lime Slaking Equipment
46 36 36	Gravimetric Feed Equipment
46 36 33	Volumetric Feed Equipment
46 36 23	Dry Chemical Weighing Equipment

46 51 1	1 Fixed Mechanical Aerators
46 51 1	3 Floating Mechanical Aerators
46 51 1	6 Submersible Aspirating Aerator Equipment
46 51 1	· · · · · · · · · · · · · · · · · · ·
46 51 2	1 Coarse Bubble Diffusers
46 51 2	3 Swing-type Channel Aeration Equipment
46 51 2	6 Shear Box Diffusers
46 51 3	1 Flexible Membrane Tube Diffusers
46 51 3	3 Flexible Membrane Disc Diffusers
46 51 3	6 Ceramic Disc Fine Bubble Diffusers
46 51 4	3 Floating Membrane Diffusers
46 51 4	6 Membrane Diffusers
46 51 5	3 Cascading Aerators
46 51 6	Pure-oxygen Generating Equipment
46 53 00	Biological Treatment Systems
46 53 1	<u> </u>
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46 53 4	3 Deep-bed Denitrification Filters
46 53 4	6 Biologically Activated Filters
46 53 4	
46 53 5	3 Sequencing Batch Reactors
46 53 6	1 Oxidation Ditch Equipment
46 53 6	3 Vertical Loop Reactors
46 60 00	Water and Wastewater Advanced
	Treatment Equipment
46 61 00	Filtration Equipment
46 61 1	3 Filter Media
46 61 1	6 Filter Surface Wash Agitators
46 61 1	7 Filter Air Scour Equipment
46 61 1	9 Wash Water Troughs
46 61 2	1 Pressure Filters
46 61 2	
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46 63 00	Demineralization Equipment
46 63 1	1 Ion-exchange Vessel Media
46 63 1	3 Mixed Bed Ion-exchange Vessel Systems

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46 63 73	3, , , , ,
46 66 00	Ultraviolet Equipment
46 66 13	Closed-vessel Low-pressure/Low-intensity Ultraviolet Treatment Equipment
46 66 16	Closed-vessel Low-pressure/High-intensity Ultraviolet Treatment Equipment
46 66 23	···
46 66 53	Open-channel Low-pressure/Low-intensity Ultraviolet Treatment Equipment
46 66 56	···
46 66 63	• •
46 70 00	Water and Wastewater Residuals Handling
	and Treatment
46 71 00	
46 71 00	Residuals Thickening Equipment
46 71 13	Residuals Thickening Equipment Circular Gravity Thickeners
46 71 13 46 71 16	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners
46 71 13 46 71 16 46 71 23	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment
46 71 13 46 71 16 46 71 23 46 71 33	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment Rotary Drum Thickening Equipment
46 71 13 46 71 16 46 71 23 46 71 33 46 71 36	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment Rotary Drum Thickening Equipment Centrifuge Thickening Equipment
46 71 13 46 71 16 46 71 23 46 71 33	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment Rotary Drum Thickening Equipment Centrifuge Thickening Equipment Disc Thickeners
46 71 13 46 71 16 46 71 23 46 71 33 46 71 33 46 71 43	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment Rotary Drum Thickening Equipment Centrifuge Thickening Equipment Disc Thickeners Thickening Screw Press
46 71 13 46 71 16 46 71 23 46 71 33 46 71 43 46 71 46 46 71 46	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment Rotary Drum Thickening Equipment Centrifuge Thickening Equipment Disc Thickeners Thickening Screw Press Scum Concentrator Equipment
46 71 13 46 71 16 46 71 23 46 71 36 46 71 43 46 71 46 46 71 53 46 73 00	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment Rotary Drum Thickening Equipment Centrifuge Thickening Equipment Disc Thickeners Thickening Screw Press Scum Concentrator Equipment Residuals Stabilization
46 71 13 46 71 16 46 71 23 46 71 33 46 71 36 46 71 46 46 71 53 46 73 00 46 73 11	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment Rotary Drum Thickening Equipment Centrifuge Thickening Equipment Disc Thickeners Thickening Screw Press Scum Concentrator Equipment Residuals Stabilization Radial Beam Fixed Digester Covers
46 71 13 46 71 16 46 71 23 46 71 33 46 71 36 46 71 46 46 71 46 46 73 00 46 73 11 46 73 12	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment Rotary Drum Thickening Equipment Centrifuge Thickening Equipment Disc Thickeners Thickening Screw Press Scum Concentrator Equipment Residuals Stabilization Radial Beam Fixed Digester Covers Dual Deck Truss-type Fixed Digester Covers
46 71 13 46 71 16 46 71 23 46 71 33 46 71 43 46 71 46 46 71 53 46 73 00 46 73 12 46 73 12	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment Rotary Drum Thickening Equipment Centrifuge Thickening Equipment Disc Thickeners Thickening Screw Press Scum Concentrator Equipment Residuals Stabilization Radial Beam Fixed Digester Covers Dual Deck Truss-type Fixed Digester Covers Radial Beam Floating Digester Covers
46 71 13 46 71 16 46 71 23 46 71 36 46 71 43 46 71 46 46 71 53 46 73 00 46 73 12 46 73 14 46 73 16	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment Rotary Drum Thickening Equipment Centrifuge Thickening Equipment Disc Thickeners Thickening Screw Press Scum Concentrator Equipment Residuals Stabilization Radial Beam Fixed Digester Covers Dual Deck Truss-type Fixed Digester Covers Dual Deck Truss-type Floating Digester Covers
46 71 13 46 71 16 46 71 23 46 71 36 46 71 46 46 71 46 46 73 00 46 73 12 46 73 14 46 73 14 46 73 16 46 73 17	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment Rotary Drum Thickening Equipment Centrifuge Thickening Equipment Disc Thickeners Thickening Screw Press Scum Concentrator Equipment Residuals Stabilization Radial Beam Fixed Digester Covers Dual Deck Truss-type Fixed Digester Covers Radial Beam Floating Digester Covers Radial Beam Floating Digester Covers Radial Beam Floating Gas-holding Digester Covers
46 71 13 46 71 16 46 71 23 46 71 33 46 71 43 46 71 46 46 71 53 46 73 00 46 73 12 46 73 16 46 73 16 46 73 16 46 73 18	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment Rotary Drum Thickening Equipment Centrifuge Thickening Equipment Disc Thickeners Thickening Screw Press Scum Concentrator Equipment Residuals Stabilization Radial Beam Fixed Digester Covers Dual Deck Truss-type Fixed Digester Covers Radial Beam Floating Digester Covers Radial Beam Floating Digester Covers Radial Beam Floating Gas-holding Digester Covers Dual Deck Truss-type Floating Digester Covers
46 71 13 46 71 16 46 71 23 46 71 36 46 71 46 46 71 46 46 73 00 46 73 12 46 73 14 46 73 14 46 73 16 46 73 17	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment Rotary Drum Thickening Equipment Centrifuge Thickening Equipment Disc Thickeners Thickening Screw Press Scum Concentrator Equipment Residuals Stabilization Radial Beam Fixed Digester Covers Dual Deck Truss-type Fixed Digester Covers Radial Beam Floating Digester Covers Radial Beam Floating Digester Covers Radial Beam Floating Gas-holding Digester Covers Dual Deck Truss-type Floating Gas-holding Digester Covers Dual Deck Truss-type Floating Gas-holding Digester Covers Digester Appurtenances
46 71 13 46 71 16 46 71 23 46 71 33 46 71 33 46 71 43 46 71 43 46 71 53 46 73 11 46 73 12 46 73 16 46 73 18 46 73 18	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment Rotary Drum Thickening Equipment Centrifuge Thickening Equipment Disc Thickeners Thickening Screw Press Scum Concentrator Equipment Residuals Stabilization Radial Beam Fixed Digester Covers Dual Deck Truss-type Fixed Digester Covers Radial Beam Floating Digester Covers Radial Beam Floating Digester Covers Dual Deck Truss-type Floating Digester Covers Radial Beam Floating Gas-holding Digester Covers Dual Deck Truss-type Floating Gas-holding Digester Covers Dual Deck Truss-type Floating Gas-holding Digester Covers Digester Appurtenances Aerobic Digester Aeration Equipment
46 71 13 46 71 16 46 71 23 46 71 36 46 71 36 46 71 46 46 71 53 46 73 00 46 73 12 46 73 12 46 73 16 46 73 18 46 73 18 46 73 18 46 73 22	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment Rotary Drum Thickening Equipment Centrifuge Thickening Equipment Disc Thickeners Thickening Screw Press Scum Concentrator Equipment Residuals Stabilization Radial Beam Fixed Digester Covers Dual Deck Truss-type Fixed Digester Covers Radial Beam Floating Digester Covers Dual Deck Truss-type Floating Digester Covers Radial Beam Floating Gas-holding Digester Covers Dual Deck Truss-type Floating Gas-holding Digester Covers Dual Deck Truss-type Floating Gas-holding Digester Covers Digester Appurtenances Aerobic Digester Aeration Equipment Autothermal Thermophilic Aerobic Digestion Equipment
46 71 13 46 71 16 46 71 23 46 71 36 46 71 36 46 71 46 46 71 53 46 73 00 46 73 14 46 73 14 46 73 16 46 73 18 46 73 18 46 73 22 46 73 22	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment Rotary Drum Thickening Equipment Centrifuge Thickening Equipment Disc Thickeners Thickening Screw Press Scum Concentrator Equipment Residuals Stabilization Radial Beam Fixed Digester Covers Dual Deck Truss-type Fixed Digester Covers Radial Beam Floating Digester Covers Radial Beam Floating Digester Covers Dual Deck Truss-type Floating Digester Covers Radial Beam Floating Gas-holding Digester Covers Dual Deck Truss-type Floating Gas-holding Digester Covers Dual Deck Truss-type Floating Gas-holding Digester Covers Digester Appurtenances Aerobic Digester Aeration Equipment Autothermal Thermophilic Aerobic Digestion Equipment Egg-shaped Digesters
46 71 13 46 71 16 46 71 23 46 71 36 46 71 36 46 71 46 46 71 53 46 73 00 46 73 11 46 73 16 46 73 16 46 73 18 46 73 18 46 73 26 46 73 26 46 73 26	Residuals Thickening Equipment Circular Gravity Thickeners Gravity Belt Thickeners Dissolved Air Flotation Thickening Equipment Rotary Drum Thickening Equipment Centrifuge Thickening Equipment Disc Thickeners Thickening Screw Press Scum Concentrator Equipment Residuals Stabilization Radial Beam Fixed Digester Covers Dual Deck Truss-type Fixed Digester Covers Radial Beam Floating Digester Covers Dual Deck Truss-type Floating Digester Covers Radial Beam Floating Gas-holding Digester Covers Dual Deck Truss-type Floating Digester Covers Dual Deck Truss-type Floating Digester Covers Dual Deck Truss-type Floating Gas-holding Digester Covers Digester Appurtenances Aerobic Digester Aeration Equipment Autothermal Thermophilic Aerobic Digestion Equipment Egg-shaped Digesters External Draft Tube Digester Mixing System

46 73 34	Unconfined Gas Mixing System
46 73 41	Digester Heating Equipment
46 73 63	Residuals Pasteurization Equipment
46 76 00	Residuals Dewatering Equipment
46 76 13	Vacuum Filters
46 76 21	Belt Filter Presses
46 76 23	Plate-and-Frame Filter Presses
46 76 26	Rotary Presses
46 76 27	Screw Presses
46 76 33	Dewatering Centrifuges
46 76 53	Belt Dryers
46 76 60	Direct-heat Residuals Drying Equipment
46 76 70	Indirect-heat Residuals Drying Equipment
46 78 00	Thermal Treatment of Residuals
46 78 13	Multiple-hearth Sludge Incinerators
46 78 23	Fluidized-bed Sludge Incinerators
46 78 33	Ash Handling Equipment
46 78 41	Recuperative Air Preheating Equipment
46 78 46	Regenerative Thermal Oxidizers
46 78 47	Waste Heat Recovery Boilers
46 78 49	Waste Heat Recovery Heat Exchangers
46 78 73	Thermal Oxidation Equipment
48 00 00	Electrical Power Generation
48 01 00	Operation and Maintenance for Electrical Power
	Generation
48 01 10	Operation and Maintenance of Electrical Power Generation Equipment
48 01 70	Operation and Maintenance of Electrical Power Generation Testing
48 05 00	Common Work Results for Electrical Power
10 00 00	Generation
40.05.05	
48 05 05	Selective Demolition for Electrical Power Generation
48 06 00	Schedules for Electrical Power Generation
48 06 10	Schedules for Electrical Power Generation Equipment
48 06 70	Schedules for Electrical Power Generation Testing
48 08 00	Commissioning of Electrical Power Generation
48 09 00	Instrumentation and Control for Electrical Power
	Generation
40.40.00	
48 10 00	Electrical Power Generation Equipment
48 11 00	Fossil Fuel Plant Electrical Power Generation
	Equipment
48 11 13	Fossil Fuel Electrical Power Plant Boilers
48 11 16	Fossil Fuel Electrical Power Plant Condensers
48 11 19	Fossil Fuel Electrical Power Plant Steam Turbines
48 11 23	Fossil Fuel Electrical Power Plant Gas Turbines
48 11 26	Fossil Fuel Electrical Power Plant Gas Turbines
48 12 00	Nuclear Fuel Plant Electrical Power Generation

	Equipment
48 12 13	Nuclear Fuel Reactors
48 12 13.13	Nuclear Fuel Fission Reactors
48 12 13.16	Nuclear Fuel Fusion Reactors
48 12 23	Nuclear Fuel Electrical Power Plant Steam Generators
48 12 26	Nuclear Fuel Electrical Power Plant Condensers
48 12 29	Nuclear Fuel Electrical Power Plant Turbines
48 12 33	Nuclear Fuel Electrical Power Generators
48 13 00	Hydroelectric Plant Electrical Power Generation
	Equipment
48 13 13	Hydroelectric Power Plant Water Turbines
48 13 16	Hydroelectric Power Plant Electrical Power Generators
48 14 00	Solar Energy Electrical Power Generation Equipment
48 14 13	Solar Energy Collectors
48 14 13.13	Amorphous Solar Energy Collectors
48 14 13.16	Plate Cell Solar Energy Collectors
48 14 13.19	Vacuum Tube Solar Energy Collectors
48 15 00	Wind Energy Electrical Power Generation Equipment
48 15 13	Wind Turbines
48 15 16	Wind Energy Electrical Power Generators
48 16 00	Geothermal Energy Electrical Power Generation
	Equipment
48 16 13	Geothermal Energy Heat Pumps
48 16 16	Geothermal Energy Condensers
48 16 19	Geothermal Energy Steam Turbines
48 16 23	Geothermal Energy Electrical Power Generators
48 17 00	Electrochemical Energy Electrical Power Generation
	Equipment
48 17 13	Electrical Power Generation Batteries
48 18 00	Fuel Cell Electrical Power Generation Equipment
48 18 13	Electrical Power Generation Fuel Cells
48 18 16	Hydrogen Control Equipment
48 19 00	Electrical Power Control Equipment
48 19 13	Electrical Power Generation Battery Charging Equipment
48 19 16	Electrical Power Generation Inverters
48 19 19	Electrical Power Generation Solar Tracking Equipment
48 19 23	Electrical Power Generation Transformers
48 19 26	Electrical Power Generation Voltage Regulators
48 30 00	Combined Heat and Power Generation
48 31 00	Combustion Combined Heat and Power Generation
48 31 13	Natural Gas-Fueled Combined Heat and Power Generation
48 31 16	Biomass-Fueled Combined Heat and Power Generation
48 70 00	Electrical Power Generation Testing
48 71 00	Electrical Power Generation Test Equipment
48 71 13	Electrical Power Generation Corona Test Equipment
48 71 16	Flectrical Power Generation Current Test Equipment

48 71 19	Electrical Power Generation Power Test Equipment
48 71 23	Electrical Power Generation Resistance Test Equipment
48 71 26	Electrical Power Generation Voltage Test Equipment