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February 2015

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01 86 13 01 86 16 01 86 19 01 86 23 01 86 26	Fire Suppression Performance Requirements Plumbing Performance Requirements HVAC Performance Requirements Integrated Automation Performance Requirements Electrical Performance Requirements
01 86 13 01 86 16 01 86 19 01 86 23	Fire Suppression Performance Requirements Plumbing Performance Requirements HVAC Performance Requirements Integrated Automation Performance Requirements
01 86 13 01 86 16 01 86 19 01 86 23 01 86 26 01 86 29	Fire Suppression Performance Requirements Plumbing Performance Requirements HVAC Performance Requirements Integrated Automation Performance Requirements Electrical Performance Requirements Communications Performance Requirements
01 86 13 01 86 16 01 86 19 01 86 23 01 86 23 01 86 29 01 86 33	Fire Suppression Performance Requirements Plumbing Performance Requirements HVAC Performance Requirements Integrated Automation Performance Requirements Electrical Performance Requirements Communications Performance Requirements Electronic Safety and Security Performance Requirements Equipment and Furnishings Performance
01 86 13 01 86 16 01 86 19 01 86 23 01 86 23 01 86 29 01 86 33	Fire Suppression Performance Requirements Plumbing Performance Requirements HVAC Performance Requirements Integrated Automation Performance Requirements Electrical Performance Requirements Communications Performance Requirements Electronic Safety and Security Performance Requirements
01 86 13 01 86 16 01 86 19 01 86 23 01 86 23 01 86 26 01 86 29 01 86 33 01 87 00 01 87 13 01 87 16	Fire Suppression Performance Requirements Plumbing Performance Requirements HVAC Performance Requirements Integrated Automation Performance Requirements Electrical Performance Requirements Communications Performance Requirements Electronic Safety and Security Performance Requirements Equipment and Furnishings Performance Requirements
01 86 13 01 86 16 01 86 19 01 86 23 01 86 23 01 86 26 01 86 29 01 86 33 01 87 00 01 87 13	Fire Suppression Performance Requirements Plumbing Performance Requirements HVAC Performance Requirements Integrated Automation Performance Requirements Electrical Performance Requirements Communications Performance Requirements Electronic Safety and Security Performance Requirements Equipment and Furnishings Performance Requirements Equipment Performance Requirements Furnishings Performance Requirements Other Facility Construction Performance
01 86 13 01 86 16 01 86 19 01 86 23 01 86 23 01 86 29 01 86 33 01 87 00 01 87 13 01 87 16 01 88 00	Fire Suppression Performance Requirements Plumbing Performance Requirements HVAC Performance Requirements Integrated Automation Performance Requirements Electrical Performance Requirements Communications Performance Requirements Electronic Safety and Security Performance Requirements Equipment and Furnishings Performance Requirements Equipment Performance Requirements Furnishings Performance Requirements Other Facility Construction Performance Requirements
01 86 13 01 86 16 01 86 19 01 86 23 01 86 23 01 86 29 01 86 33 01 87 00 01 87 13 01 87 16 01 88 00 01 88 13	Fire Suppression Performance Requirements Plumbing Performance Requirements HVAC Performance Requirements Integrated Automation Performance Requirements Electrical Performance Requirements Communications Performance Requirements Electronic Safety and Security Performance Requirements Equipment and Furnishings Performance Requirements Equipment Performance Requirements Furnishings Performance Requirements Other Facility Construction Performance Requirements Special Construction Performance Requirements
01 86 13 01 86 16 01 86 19 01 86 23 01 86 23 01 86 29 01 86 33 01 87 00 01 87 13 01 87 16 01 88 00 01 88 13 01 88 16	 Fire Suppression Performance Requirements Plumbing Performance Requirements HVAC Performance Requirements Integrated Automation Performance Requirements Electrical Performance Requirements Communications Performance Requirements Electronic Safety and Security Performance Requirements Equipment and Furnishings Performance Requirements Equipment Performance Requirements Furnishings Performance Requirements Other Facility Construction Performance Requirements Special Construction Performance Requirements Selective Construction Performance Requirements
01 86 13 01 86 16 01 86 19 01 86 23 01 86 23 01 86 29 01 86 33 01 87 00 01 87 13 01 87 16 01 88 00 01 88 13 01 88 16 01 89 00	 Fire Suppression Performance Requirements Plumbing Performance Requirements HVAC Performance Requirements Integrated Automation Performance Requirements Electrical Performance Requirements Communications Performance Requirements Electronic Safety and Security Performance Requirements Equipment and Furnishings Performance Requirements Equipment Performance Requirements Furnishings Performance Requirements Other Facility Construction Performance Requirements Special Construction Performance Requirements Selective Construction Performance Requirements Site Construction Performance Requirements
01 86 13 01 86 16 01 86 19 01 86 23 01 86 23 01 86 29 01 86 33 01 87 00 01 87 13 01 87 16 01 88 00 01 88 13 01 89 00 01 89 13	Fire Suppression Performance Requirements Plumbing Performance Requirements HVAC Performance Requirements Integrated Automation Performance Requirements Electrical Performance Requirements Communications Performance Requirements Electronic Safety and Security Performance Requirements Equipment and Furnishings Performance Requirements Equipment Performance Requirements Furnishings Performance Requirements Other Facility Construction Performance Requirements Special Construction Performance Requirements Selective Construction Performance Requirements Site Construction Performance Requirements Site Preparation Performance Requirements
01 86 13 01 86 16 01 86 19 01 86 23 01 86 23 01 86 29 01 86 33 01 87 00 01 87 13 01 87 16 01 88 00 01 88 13 01 88 16 01 89 00 01 89 13 01 89 16	Fire Suppression Performance Requirements Plumbing Performance Requirements HVAC Performance Requirements Integrated Automation Performance Requirements Electrical Performance Requirements Communications Performance Requirements Electronic Safety and Security Performance Requirements Electronic Safety and Security Performance Requirements Equipment and Furnishings Performance Requirements Equipment Performance Requirements Furnishings Performance Requirements Other Facility Construction Performance Requirements Special Construction Performance Requirements Selective Construction Performance Requirements Site Construction Performance Requirements Site Preparation Performance Requirements Site Improvements Performance Requirements
01 86 13 01 86 16 01 86 19 01 86 23 01 86 23 01 86 29 01 86 33 01 87 00 01 87 13 01 87 16 01 88 00 01 88 13 01 88 16 01 89 00 01 89 13 01 89 19	Fire Suppression Performance Requirements Plumbing Performance Requirements HVAC Performance Requirements Integrated Automation Performance Requirements Electrical Performance Requirements Communications Performance Requirements Electronic Safety and Security Performance Requirements Electronic Safety and Security Performance Requirements Equipment and Furnishings Performance Requirements Equipment Performance Requirements Furnishings Performance Requirements Other Facility Construction Performance Requirements Special Construction Performance Requirements Selective Construction Performance Requirements Site Construction Performance Requirements Site Preparation Performance Requirements Site Improvements Performance Requirements Site Improvements Performance Requirements Site Improvements Performance Requirements Site Plumbing Utilities Performance Requirements
01 86 13 01 86 16 01 86 19 01 86 23 01 86 23 01 86 29 01 86 33 01 87 00 01 87 13 01 87 16 01 88 00 01 88 13 01 88 16 01 89 00 01 89 13 01 89 19 01 89 23	Fire Suppression Performance Requirements Plumbing Performance Requirements HVAC Performance Requirements Integrated Automation Performance Requirements Electrical Performance Requirements Communications Performance Requirements Electronic Safety and Security Performance Requirements Equipment and Furnishings Performance Requirements Equipment Performance Requirements Furnishings Performance Requirements Other Facility Construction Performance Requirements Special Construction Performance Requirements Selective Construction Performance Requirements Site Preparation Performance Requirements Site Preparation Performance Requirements Site Improvements Performance Requirements Site Plumbing Utilities Performance Requirements Site HVAC Utilities Performance Requirements
01 86 13 01 86 16 01 86 19 01 86 23 01 86 23 01 86 29 01 86 33 01 87 00 01 87 13 01 87 16 01 88 00 01 88 13 01 88 16 01 89 00 01 89 13 01 89 19	Fire Suppression Performance Requirements Plumbing Performance Requirements HVAC Performance Requirements Integrated Automation Performance Requirements Electrical Performance Requirements Communications Performance Requirements Electronic Safety and Security Performance Requirements Electronic Safety and Security Performance Requirements Equipment and Furnishings Performance Requirements Equipment Performance Requirements Furnishings Performance Requirements Other Facility Construction Performance Requirements Special Construction Performance Requirements Selective Construction Performance Requirements Site Construction Performance Requirements Site Preparation Performance Requirements Site Improvements Performance Requirements Site Improvements Performance Requirements Site Improvements Performance Requirements Site Plumbing Utilities Performance Requirements

01 90 00 Life Cycle Activities

01 91 00	Commissioning
01 91 13	General Commissioning Requirements
01 91 16	Facility Substructure Commissioning
01 91 16.13	Foundation Commissioning
01 91 16.53	Basement Construction Commissioning
01 91 19	Facility Shell Commissioning
01 91 19.13	Superstructure Commissioning
01 91 19.43	Exterior Enclosure Commissioning
01 91 19.73	Roofing Commissioning
01 91 23	Interiors Commissioning
01 91 23.13	Interior Construction Commissioning
01 91 23.43	Stairways Commissioning
01 91 23.73	Interior Finishes Commissioning
01 92 00	Facility Operation
01 92 13	Facility Operation Procedures
01 93 00	Facility Maintenance
01 93 13	Facility Maintenance Procedures
01 93 16	Recycling Programs
01 94 00	Facility Decommissioning
01 94 13	Facility Decommissioning Procedures

02 00 00	Existing Conditions
02 01 00	Maintenance of Existing Conditions
02 01 50	Maintenance of Site Remediation
02 01 65	Maintenance of Underground Storage Tank Removal
02 01 80 02 01 86	Maintenance of Facility Remediation
02 01 80	Maintenance of Hazardous Waste Drum Handling
02 03 00	Conservation Treatment for Existing Period
00.00.01	Conditions
02 03 01 02 03 01.19	Maintenance of Existing Period Conditions Mothballing Period Structures
02 03 41	Selective Demolition for Period Structures
02 03 42	Removal and Salvage of Period Construction Materials
02 03 43	Period Structure Relocating
02 03 44	Shoring and Support of Period Structures
02 05 00	Common Work Results for Existing Conditions
02 05 19	Geosynthetics for Existing Conditions
02 05 19.13	Geotextiles for Existing Conditions
02 05 19.16 02 05 19.19	Geomembranes for Existing Conditions Geogrids for Existing Conditions
02 06 00	Schedules for Existing Conditions
02 06 13	Geotechnical Baseline Report
02 06 30	Schedules for Subsurface Investigations
02 06 30.13	Boring or Test Pit Log Schedule
02 06 50	Schedules for Site Remediation
02 06 65	Schedules for Underground Storage Tank Removal
02 06 80	Schedules for Facility Remediation
02 06 86	Schedules for Hazardous Waste Drum Handling
02 08 00	Commissioning of Existing Conditions
02 20 00	Assessment
02 21 00	Surveys
02 21 13	Site Surveys
02 21 13.13	Boundary and Survey Markers
02 21 13.23 02 21 16	Archeological and Historic Surveys Measured Drawings
02 22 00	5
02 22 13	Existing Conditions Assessment Movement and Vibration Assessment
02 22 13	Acoustic Assessment
02 22 10	Traffic Assessment
02 22 23	Accessibility Assessment
02 24 00	Environmental Assessment
02 24 13	Natural Environment Assessment
02 24 13.13	Air Assessment
02 24 13.43	Water Assessment
02 24 13.73 02 24 23	Land Assessment Chemical Sampling and Analysis of Soils
02 24 23	Transboundary and Global Environmental Aspects Assessment
02 25 00	
02 25 00	Existing Material Assessment

02 25 16 02 25 16.13 02 25 19 02 25 19.13 02 25 23 02 25 23.13 02 25 26 02 25 29	Existing Concrete Assessment Concrete Assessment Drilling Existing Masonry Assessment Masonry Assessment Drilling Existing Metals Assessment Welding Investigations Existing Wood, Plastics, and Composites Assessment Existing Thermal and Moisture Protection Assessment
02 25 29.13 02 25 29.23	Waterproofing Investigations Roofing Investigations
02 26 00	Hazardous Material Assessment
02 26 23	Asbestos Assessment
02 26 26	Lead Assessment
02 26 29	Polychlorinated Biphenyl Assessment
02 26 33	Biological Assessment
02 26 33.13	Mold Assessment
02 26 36	Hazardous Waste Drum Assessment
02 30 00	Subsurface Investigation
02 31 00	Geophysical Investigations
02 31 13	Seismic Investigations
02 31 16	Gravity Investigations
02 31 19	Magnetic Investigations
02 31 23	Electromagnetic Investigations
02 31 26	Electrical Resistivity Investigations
02 31 29	Magnetotelluric Investigations
02 32 00	Geotechnical Investigations
02 32 13 02 32 16	Subsurface Drilling and Sampling Material Testing
02 32 10	Exploratory Excavations
02 32 23	Geotechnical Monitoring Before Construction
02 32 23.13	Groundwater Monitoring Before Construction
02 40 00	Demolition and Structure Moving
02 41 00	Demolition
02 41 13	Selective Site Demolition
02 41 13.13	Paving Removal
02 41 13.23	Utility Line Removal
02 41 13.33	Railtrack Removal
02 41 16 02 41 16.13	Structure Demolition Building Demolition
02 41 16.13	Tower Demolition
02 41 16.33	Bridge Demolition
02 41 16.43	Dam Demolition
02 41 19	Selective Demolition
02 41 19.13 02 41 19.16	Selective Building Demolition Selective Interior Demolition
02 41 19.10	Selective Facility Services Demolition
02 41 19.33	Selective Bridge Demolition
02 42 00	Removal and Salvage of Construction Materials
02 42 13	Deconstruction of Structures

- 02 42 13.13 Deconstruction of Buildings

02 43 00	Structure Moving
02 43 13	Structure Relocation
02 43 13.13	Building Relocation
02 43 16	Structure Raising
02 43 16.13	Building Raising
02 50 00	Site Remediation
02 51 00	Physical Decontamination
02 51 13	Coagulation and Flocculation Decontamination
02 51 16	Reverse-Osmosis Decontamination
02 51 19	Solidification and Stabilization Decontamination
02 51 23	Mechanical Filtration Decontamination
02 51 26	Radioactive Decontamination
02 51 29 02 51 29.13	Surface Cleaning Decontamination
02 51 29.15	High-Pressure Water Cleaning Decontamination Vacuum Sweeping Cleaning Decontamination
02 51 33	Surface Removal Decontamination
02 51 33.13	Surface Removal Decontamination by Grinding
02 51 33.16	Surface Removal Decontamination by Sand Blasting
02 51 33.19	Surface Removal Decontamination by Ultrasound
02 52 00	Chemical Decontamination
02 52 13	Chemical Precipitation Decontamination
02 52 16	Ion Change Decontamination
02 52 19	Neutralization Decontamination
02 53 00	Thermal Decontamination
02 53 13	Incineration Decontamination
02 53 13.13 02 53 16	Remediation of Contaminated Soils and Sludges by Incineration Thermal Desorption Decontamination
02 53 16.13	Remediation of Contaminated Soils by Thermal Desorption
02 53 19	Vitrification Decontamination
02 54 00	Biological Decontamination
02 54 13	Aerobic Processes Decontamination
02 54 16	Anaerobic Processes Decontamination
02 54 19	Bioremediation Decontamination
02 54 19.13	Bioremediation Using Landfarming
02 54 19.16 02 54 19.19	Bioremediation of Soils Using Windrow Composting Bioremediation Using Bacteria Injection
02 54 23	Soil Washing through Separation/Solubilization
02 54 26	Organic Decontamination
02 55 00	Remediation Soil Stabilization
02 56 00	Site Containment
02 56 13	Waste Containment
02 56 13.13	Geomembrane Waste Containment
02 56 19	Gas Containment
02 56 19.13	Fluid-Applied Gas Barrier
02 57 00	Sinkhole Remediation
02 57 13	Sinkhole Remediation by Grouting
02 57 13.13 02 57 13.16	Sinkhole Remediation by Compaction Grouting Sinkhole Remediation by Cap Grouting
02 57 13.16	Sinkhole Remediation by Backfilling
52 07 10	En ancient controllation by Duckning

02 58 00	Snow Control
02 58 13 02 58 16	Snow Fencing Snow Avalanche Control
02 60 00	Contaminated Site Material Removal
02 61 00	Removal and Disposal of Contaminated Soils
02 61 13 02 61 23	Excavation and Handling of Contaminated Material Removal and Disposal of Polychlorinate Biphenyl Contaminated Soils
02 61 26	Removal and Disposal of Asbestos Contaminated Soils
02 61 29	Removal and Disposal of Organically Contaminated Soils
02 62 00	Hazardous Waste Recovery Processes
02 62 13 02 62 16	Air and Steam Stripping
02 62 10	Soil Vapor Extraction Soil Washing and Flushing
02 65 00	Underground Storage Tank Removal
02 66 00	Landfill Construction and Storage
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 00 02 82 13	Asbestos Remediation Asbestos Abatement
02 82 00 02 82 13 02 82 13.13 02 82 13.16	Asbestos Remediation
02 82 00 02 82 13 02 82 13.13 02 82 13.16 02 82 13.19	Asbestos Remediation Asbestos Abatement Glovebag Asbestos Abatement Precautions for Asbestos Abatement Asbestos Floor Tile and Mastic Abatement
02 82 00 02 82 13 02 82 13.13 02 82 13.16 02 82 13.19 02 82 16	Asbestos Remediation Asbestos Abatement Glovebag Asbestos Abatement Precautions for Asbestos Abatement Asbestos Floor Tile and Mastic Abatement Engineering Control of Asbestos Containing Materials
02 82 00 02 82 13 02 82 13.13 02 82 13.16 02 82 13.19 02 82 16 02 82 33	Asbestos Remediation Asbestos Abatement Glovebag Asbestos Abatement Precautions for Asbestos Abatement Asbestos Floor Tile and Mastic Abatement Engineering Control of Asbestos Containing Materials Removal and Disposal of Asbestos Containing Materials
02 82 00 02 82 13 02 82 13.13 02 82 13.16 02 82 13.19 02 82 16	Asbestos Remediation Asbestos Abatement Glovebag Asbestos Abatement Precautions for Asbestos Abatement Asbestos Floor Tile and Mastic Abatement Engineering Control of Asbestos Containing Materials
02 82 00 02 82 13 02 82 13.13 02 82 13.16 02 82 13.19 02 82 16 02 82 33 02 83 00 02 83 13 02 83 19	Asbestos Remediation Asbestos Abatement Glovebag Asbestos Abatement Precautions for Asbestos Abatement Asbestos Floor Tile and Mastic Abatement Engineering Control of Asbestos Containing Materials Removal and Disposal of Asbestos Containing Materials Lead Remediation Lead Hazard Control Activities Lead-Based Paint Remediation
02 82 00 02 82 13 02 82 13.13 02 82 13.16 02 82 13.19 02 82 16 02 82 33 02 83 00 02 83 13 02 83 19 02 83 19.13	Asbestos Remediation Asbestos Abatement Glovebag Asbestos Abatement Precautions for Asbestos Abatement Asbestos Floor Tile and Mastic Abatement Engineering Control of Asbestos Containing Materials Removal and Disposal of Asbestos Containing Materials Lead Remediation Lead Hazard Control Activities Lead-Based Paint Remediation Lead-Based Paint Abatement
02 82 00 02 82 13 02 82 13.13 02 82 13.16 02 82 13.19 02 82 16 02 82 33 02 83 00 02 83 13 02 83 19	Asbestos Remediation Asbestos Abatement Glovebag Asbestos Abatement Precautions for Asbestos Abatement Asbestos Floor Tile and Mastic Abatement Engineering Control of Asbestos Containing Materials Removal and Disposal of Asbestos Containing Materials Lead Remediation Lead Hazard Control Activities Lead-Based Paint Remediation
02 82 00 02 82 13 02 82 13.13 02 82 13.16 02 82 13.19 02 82 16 02 82 33 02 83 00 02 83 13 02 83 19 02 83 19.13 02 83 33	Asbestos Remediation Asbestos Abatement Glovebag Asbestos Abatement Precautions for Asbestos Abatement Asbestos Floor Tile and Mastic Abatement Engineering Control of Asbestos Containing Materials Removal and Disposal of Asbestos Containing Materials Lead Remediation Lead Hazard Control Activities Lead-Based Paint Remediation Lead-Based Paint Abatement Removal and Disposal of Material Containing Lead
02 82 00 02 82 13 02 82 13.13 02 82 13.16 02 82 13.19 02 82 16 02 82 33 02 83 00 02 83 13 02 83 19 02 83 19.13 02 83 33 02 83 33.13 02 84 00 02 84 16	Asbestos Remediation Asbestos Abatement Glovebag Asbestos Abatement Precautions for Asbestos Abatement Asbestos Floor Tile and Mastic Abatement Engineering Control of Asbestos Containing Materials Removal and Disposal of Asbestos Containing Materials Lead Remediation Lead Hazard Control Activities Lead-Based Paint Remediation Lead-Based Paint Abatement Removal and Disposal of Material Containing Lead Lead-Based Paint Removal and Disposal Polychlorinate Biphenyl Remediation Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury
02 82 00 02 82 13 02 82 13.13 02 82 13.16 02 82 13.19 02 82 16 02 82 33 02 83 00 02 83 13 02 83 19 02 83 19 02 83 33 02 83 33.13 02 84 00 02 84 16 02 84 33	Asbestos Remediation Asbestos Abatement Glovebag Asbestos Abatement Precautions for Asbestos Abatement Asbestos Floor Tile and Mastic Abatement Engineering Control of Asbestos Containing Materials Removal and Disposal of Asbestos Containing Materials Lead Remediation Lead Hazard Control Activities Lead-Based Paint Remediation Lead-Based Paint Abatement Removal and Disposal of Material Containing Lead Lead-Based Paint Removal and Disposal Polychlorinate Biphenyl Remediation Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury Removal and Disposal of Polychlorinate Biphenyls
02 82 00 02 82 13 02 82 13.13 02 82 13.16 02 82 13.19 02 82 16 02 82 33 02 83 00 02 83 13 02 83 19 02 83 19.13 02 83 33 02 83 33.13 02 84 00 02 84 16 02 84 33 02 85 00	Asbestos Remediation Asbestos Abatement Glovebag Asbestos Abatement Precautions for Asbestos Abatement Asbestos Floor Tile and Mastic Abatement Engineering Control of Asbestos Containing Materials Removal and Disposal of Asbestos Containing Materials Lead Remediation Lead Hazard Control Activities Lead-Based Paint Remediation Lead-Based Paint Remediation Lead-Based Paint Abatement Removal and Disposal of Material Containing Lead Lead-Based Paint Removal and Disposal Polychlorinate Biphenyl Remediation Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury Removal and Disposal of Polychlorinate Biphenyls Mold Remediation
02 82 00 02 82 13 02 82 13.13 02 82 13.16 02 82 13.19 02 82 16 02 82 33 02 83 00 02 83 13 02 83 19 02 83 19.13 02 83 33 02 83 33.13 02 84 00 02 84 16 02 84 33 02 85 00 02 85 13	Asbestos Remediation Asbestos Abatement Glovebag Asbestos Abatement Precautions for Asbestos Abatement Asbestos Floor Tile and Mastic Abatement Engineering Control of Asbestos Containing Materials Removal and Disposal of Asbestos Containing Materials Lead Remediation Lead Hazard Control Activities Lead-Based Paint Remediation Lead-Based Paint Abatement Removal and Disposal of Material Containing Lead Lead-Based Paint Removal and Disposal Polychlorinate Biphenyl Remediation Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury Removal and Disposal of Polychlorinate Biphenyls Mold Remediation Precautions for Mold Remediation
02 82 00 02 82 13 02 82 13.13 02 82 13.16 02 82 13.19 02 82 16 02 82 33 02 83 00 02 83 13 02 83 19 02 83 19.13 02 83 33 02 83 33.13 02 84 00 02 84 16 02 84 33 02 85 00	Asbestos Remediation Asbestos Abatement Glovebag Asbestos Abatement Precautions for Asbestos Abatement Asbestos Floor Tile and Mastic Abatement Engineering Control of Asbestos Containing Materials Removal and Disposal of Asbestos Containing Materials Lead Remediation Lead Hazard Control Activities Lead-Based Paint Remediation Lead-Based Paint Remediation Lead-Based Paint Abatement Removal and Disposal of Material Containing Lead Lead-Based Paint Removal and Disposal Polychlorinate Biphenyl Remediation Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury Removal and Disposal of Polychlorinate Biphenyls Mold Remediation
02 82 00 02 82 13 02 82 13.13 02 82 13.16 02 82 13.19 02 82 16 02 82 33 02 83 00 02 83 13 02 83 19 02 83 19 02 83 33 02 83 33.13 02 84 00 02 84 16 02 84 33 02 85 00 02 85 13 02 85 16	Asbestos Remediation Asbestos Abatement Glovebag Asbestos Abatement Precautions for Asbestos Abatement Asbestos Floor Tile and Mastic Abatement Engineering Control of Asbestos Containing Materials Removal and Disposal of Asbestos Containing Materials Lead Remediation Lead Hazard Control Activities Lead-Based Paint Remediation Lead-Based Paint Abatement Removal and Disposal of Material Containing Lead Lead-Based Paint Removal and Disposal Polychlorinate Biphenyl Remediation Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury Removal and Disposal of Polychlorinate Biphenyls Mold Remediation Precautions for Mold Remediation Mold Remediation Preparation and Containment

03 00 00 Concrete 03 01 00 Maintenance of Concrete 03 01 10 Maintenance of Concrete Forming and Accessories 03 01 20 Maintenance of Concrete Reinforcing 03 01 23 Maintenance of Stressing Tendons Maintenance of Cast-in-Place Concrete 03 01 30 **Cleaning of Cast-in-Place Concrete** 03 01 30.51 Resurfacing of Cast-in-Place Concrete 03 01 30.61 Rehabilitation of Cast-in-Place Concrete 03 01 30.71 03 01 30.72 Strengthening of Cast-in-Place Concrete 03 01 40 Maintenance of Precast Concrete **Cleaning of Precast Concrete** 03 01 40.51 **Resurfacing of Precast Concrete** 03 01 40.61 Rehabilitation of Precast Concrete 03 01 40.71 03 01 40.72 Strengthening of Precast Concrete Maintenance of Cast Decks and Underlayment 03 01 50 03 01 50.51 **Cleaning Cast Decks and Underlayment** 03 01 50.61 Resurfacing of Cast Decks and Underlayment 03 01 50.71 Rehabilitation of Cast Decks and Underlayment 03 01 50.72 Strengthening of Cast Decks and Underlayment 03 01 60 Maintenance of Grouting 03 01 70 Maintenance of Mass Concrete 03 01 80 Maintenance of Concrete Cutting and Boring 03 03 00 Conservation Treatment for Period Concrete Conservation Treatment for Period Cast-in-Place Concrete 03 03 30 Conservation Treatment for Period Structural Concrete 03 03 31 03 03 33 **Conservation Treatment for Period Architectural Concrete** 03 05 00 Common Work Results for Concrete 03 05 05 Selective Demolition for Concrete 03 06 00 Schedules for Concrete 03 06 10 Schedules for Concrete Forming and Accessories 03 06 20 Schedules for Concrete Reinforcing 03 06 20.13 Concrete Beam Reinforcing Schedule 03 06 20.16 Concrete Slab Reinforcing Schedule Schedules for Cast-in-Place Concrete 03 06 30 03 06 30.13 **Concrete Footing Schedule** 03 06 30.16 Concrete Column Schedule

- 03 06 30.19 Concrete Slab Schedule
- 03 06 30.23 Concrete Shaft Schedule
- 03 06 30.26 Concrete Beam Schedule
- 03 06 40 Schedules for Precast Concrete
- 03 06 40.13 Precast Concrete Panel Schedule
- 03 06 50 Schedules for Cast Decks and Underlayment
- 03 06 60 Schedules for Grouting
- 03 06 70 Schedules for Mass Concrete
- 03 06 80 Schedules for Concrete Cutting and Boring

03 08 00 Commissioning of Concrete

03 10 00 Concrete Forming and Accessories

03 11 00 Concrete Forming

03 11 13	Structural Cast-in-Place Concrete Forming
03 11 13.13	Concrete Slip Forming
03 11 13.16 03 11 13.19	Concrete Shoring Falsework
03 11 16	Architectural Cast-in Place Concrete Forming
03 11 16.13	Concrete Form Liners
03 11 19	Insulating Concrete Forming
03 11 23	Permanent Stair Forming
03 15 00	Concrete Accessories
03 15 13	Waterstops
03 15 13.13	Non-Expanding Waterstops
03 15 13.16	Expanding Waterstops
03 15 13.19	Combination Expanding and Injection Hose Waterstops
03 15 13.21 03 15 16	Injection Hose Waterstops Concrete Construction Joints
03 15 19	Cast-In Concrete Anchors
03 20 00	
	Concrete Reinforcing
03 21 00	Reinforcement Bars
03 21 11	Plain Steel Reinforcement Bars
03 21 13	Galvanized Reinforcement Steel Bars
03 21 16	Epoxy-Coated Reinforcement Steel Bars
03 21 19	Stainless Steel Reinforcement Bars
03 21 21 03 21 21.11	Composite Reinforcement Bars Glass Fiber-Reinforced Polymer Reinforcement Bars
03 21 21.13	Organic Fiber-Reinforced Polymer Reinforcement Bars
03 21 21.16	Carbon Fiber-Reinforced Polymer Reinforcement Bars
03 22 00	Fabric and Grid Reinforcing
03 22 13	Galvanized Welded Wire Fabric Reinforcing
03 22 16	Epoxy-Coated Welded Wire Fabric Reinforcing
03 22 19	Composite Grid Reinforcing
03 23 00	Stressed Tendon Reinforcing
03 24 00	Fibrous Reinforcing
03 25 00	Composite Reinforcing
03 25 13	Glass Fiber-Reinforced Polymer Reinforcing
03 25 16	Organic Fiber-Reinforced Polymer Reinforcing
03 25 19	Carbon Fiber-Reinforced Polymer Reinforcing
03 30 00	Cast-in-Place Concrete
03 30 53	Miscellaneous Cast-in-Place Concrete
03 31 00	Structural Concrete
03 31 13	Heavyweight Structural Concrete
03 31 16	Lightweight Structural Concrete
03 31 19	Shrinkage-Compensating Structural Concrete
03 31 23	High-Performance Structural Concrete
03 31 24	Ultra High-Performance Structural Concrete
03 31 26	Self-Compacting Concrete
03 33 00	
	Architectural Concrete
03 33 13 03 33 16	Heavyweight Architectural Concrete Lightweight Architectural Concrete

03	34 00	Low Density Concrete
03	35 00	Concrete Finishing
	03 35 13	High-Tolerance Concrete Floor Finishing
	03 35 16	Heavy-Duty Concrete Floor Finishing
	03 35 19	Colored Concrete Finishing
	03 35 23	Exposed Aggregate Concrete Finishing
	03 35 26 03 35 29	Grooved Concrete Surface Finishing Tooled Concrete Finishing
	03 35 33	Stamped Concrete Finishing
	03 35 43	Polished Concrete Finishing
	03 35 43.13	Polished and Dyed Concrete Finishing
	03 35 43.16	Polished and Stained Concrete Finishing
03	37 00	Specialty Placed Concrete
	03 37 13	Shotcrete
	03 37 16	Pumped Concrete
	03 37 19	Pneumatically Placed Concrete
	03 37 23 03 37 26	Roller-Compacted Concrete Underwater Placed Concrete
02		
03	38 00	Post-Tensioned Concrete
	03 38 13 03 38 16	Post-Tensioned Concrete Preparation Unbonded Post-Tensioned Concrete
	03 38 19	Bonded Post-Tensioned Concrete
በን	39 00	Concrete Curing
05	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	Sheet Membrane Concrete Curing
03	6 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
<u></u>	03 41 36	Precast Structural Post-Tensioned Concrete
03	45 00	Precast Architectural Concrete
	03 45 13	Faced Architectural Precast Concrete Precast Architectural Pretensioned Concrete
	03 45 33 03 45 36	Precast Architectural Post-Tensioned Concrete
US	47 00	Site-Cast Concrete
05	03 47 13	Tilt-Up Concrete
	03 47 16	Lift-Slab Concrete
በን	48 00	Precast Concrete Specialties
00	03 48 13	Precast Concrete Bollards
	03 48 15	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	Glass-Fiber-Reinforced Concrete Column Covers
03 49 16	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 13	Cementitious Wood Fiber Decks
03 51 16	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 54 00	Cast Underlayment
03 54 13	Gypsum Cement Underlayment
03 54 16	Hydraulic Cement Underlayment
03 60 00	Grouting
02 61 00	Compatitions Crouting
03 61 00	Cementitious Grouting
03 61 13	Cementitious Grouting Dry-Pack Grouting
	Dry-Pack Grouting
03 61 13	Dry-Pack Grouting Non-Shrink Grouting
03 61 13 03 62 00	Dry-Pack Grouting
03 61 13 03 62 00 03 62 13	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting
03 61 13 03 62 00 03 62 13 03 62 16	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00 03 64 23	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00 03 64 23 03 70 00	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00 03 64 23 03 70 00 03 71 00	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete Mass Concrete for Raft Foundations Mass Concrete for Dams
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00 03 64 23 03 70 00 03 71 00 03 72 00 03 80 00	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete Mass Concrete for Raft Foundations Mass Concrete for Dams Concrete Cutting and Boring
$\begin{array}{c} 03 \ 61 \ 13 \\ 03 \ 62 \ 00 \\ 03 \ 62 \ 13 \\ 03 \ 62 \ 16 \\ 03 \ 62 \ 16 \\ 03 \ 64 \ 00 \\ 03 \ 64 \ 23 \\ 03 \ 64 \ 23 \\ 03 \ 70 \ 00 \\ 03 \ 71 \ 00 \\ 03 \ 72 \ 00 \\ 03 \ 80 \ 00 \\ 03 \ 81 \ 00 \\ \end{array}$	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete Mass Concrete for Raft Foundations Mass Concrete for Dams Concrete Cutting and Boring Concrete Cutting
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00 03 64 23 03 70 00 03 71 00 03 72 00 03 80 00 03 81 00 03 81 13	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete Mass Concrete for Raft Foundations Mass Concrete for Dams Concrete Cutting and Boring Concrete Cutting Flat Concrete Sawing
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00 03 64 23 03 70 00 03 71 00 03 72 00 03 80 00 03 81 00 03 81 13 03 81 16	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete Mass Concrete for Raft Foundations Mass Concrete for Dams Concrete Cutting and Boring Concrete Sawing Flat Concrete Sawing Track Mounted Concrete Wall Sawing
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00 03 64 23 03 70 00 03 71 00 03 72 00 03 80 00 03 81 00 03 81 13	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete Mass Concrete for Raft Foundations Mass Concrete for Dams Concrete Cutting and Boring Concrete Cutting Flat Concrete Sawing
$\begin{array}{c} 03\ 61\ 13\\ 03\ 62\ 00\\ 03\ 62\ 13\\ 03\ 62\ 16\\ 03\ 62\ 16\\ 03\ 62\ 16\\ 03\ 62\ 16\\ 03\ 64\ 00\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 70\ 00\\ 03\ 71\ 00\\ 03\ 71\ 00\\ 03\ 72\ 00\\ 03\ 72\ 00\\ 03\ 81\ 13\\ 03\ 81\ 16\\ 03\ 81\ 19\\ \end{array}$	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete Mass Concrete for Raft Foundations Mass Concrete for Dams Concrete Cutting and Boring Concrete Sawing Flat Concrete Sawing Track Mounted Concrete Wall Sawing Wire Concrete Wall Sawing
$\begin{array}{c} 03 \ 61 \ 13 \\ \textbf{03} \ \textbf{62} \ \textbf{00} \\ 03 \ 62 \ 13 \\ 03 \ 62 \ 16 \\ \textbf{03} \ 62 \ 16 \\ \textbf{03} \ \textbf{63} \ \textbf{00} \\ 03 \ \textbf{64} \ \textbf{00} \\ 03 \ \textbf{64} \ \textbf{23} \\ \textbf{03} \ \textbf{64} \ \textbf{23} \\ \textbf{03} \ \textbf{70} \ \textbf{00} \\ \textbf{03} \ \textbf{71} \ \textbf{00} \\ \textbf{03} \ \textbf{72} \ \textbf{00} \\ \textbf{03} \ \textbf{72} \ \textbf{00} \\ \textbf{03} \ \textbf{81} \ \textbf{00} \\ 03 \ \textbf{81} \ \textbf{13} \\ 03 \ \textbf{81} \ \textbf{16} \\ 03 \ \textbf{81} \ \textbf{19} \\ 03 \ \textbf{81} \ \textbf{23} \\ \end{array}$	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete Mass Concrete for Raft Foundations Mass Concrete for Dams Concrete Cutting and Boring Concrete Cutting Flat Concrete Sawing Track Mounted Concrete Wall Sawing Wire Concrete Wall Sawing Hand Concrete Wall Sawing
$\begin{array}{c} 03\ 61\ 13\\ 03\ 62\ 00\\ 03\ 62\ 13\\ 03\ 62\ 16\\ 03\ 62\ 16\\ 03\ 62\ 16\\ 03\ 62\ 16\\ 03\ 64\ 00\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\\ 03\ 64\ 23\ 23\\ 03\ 64\ 23\ 23\ 23\ 23\ 23\ 23\ 23\ 23\ 23\ 23$	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete Mass Concrete for Raft Foundations Mass Concrete for Dams Concrete Cutting and Boring Concrete Sawing Flat Concrete Sawing Track Mounted Concrete Wall Sawing Wire Concrete Wall Sawing Hand Concrete Wall Sawing

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 Unit Masonry Cleaning 04 01 20.91 Unit Masonry Restoration Testing and Sampling Brick Units for Restoration 04 01 20.93 04 01 40 Maintenance of Stone Assemblies Stone Maintenance 04 01 40.51 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 03 00 Conservation Treatment for Period Masonry 04 03 01 Maintenance for Period Masonry Period Masonry Cleaning 04 03 01.13 Common Work Results for Period Masonry 04 03 05 04 03 05.13 Period Masonry Mortaring 04 03 05.16 Period Masonry Grouting Period Masonry Anchorage and Reinforcing 04 03 05.19 04 03 21 Conservation Treatment for Period Clay Unit Masonry **Clav Brick Conservation Treatment** 04 03 21.19 **Terra Cotta Conservation Treatment** 04 03 21.21 04 03 21.23 Fiance Block Conservation Treatment Conservation Treatment for Period Concrete Unit Masonry 04 03 22 04 03 24 Conservation Treatment for Period Adobe Unit Masonry 04 03 43 Conservation Treatment for Period Stone Masonry 04 05 00 Common Work Results for Masonry 04 05 05 Selective Demolition for Masonry 04 05 13 Masonry Mortaring Chemical-Resistant Masonry Mortaring 04 05 13.16 04 05 13.19 Epoxy Masonry Mortaring Surface Bonding Masonry Mortaring 04 05 13.23 04 05 13.26 Engineered Masonry Mortaring 04 05 13.29 Refractory Masonry Mortaring 04 05 13.91 Masonry Restoration Mortaring Masonry Grouting 04 05 16 Chemical-Resistant Masonry Grouting 04 05 16.16 04 05 16.26 **Engineered Masonry Grouting** Masonry Anchorage and Reinforcing 04 05 19 04 05 19.13 Continuous Joint Reinforcing 04 05 19.16 Masonry Anchors 04 05 19.26 Masonry Reinforcing Bars 04 05 19.29 Stone Anchors 04 05 21 Masonry Strengthening Masonry Accessories 04 05 23

- 04 05 23.13 Masonry Control and Expansion Joints
- 04 05 23.16 Masonry Embedded Flashing
- 04 05 23.19 Masonry Cavity Drainage, Weepholes, and Vents

04 06 00 Schedules for Masonry

	04 06 20	Schedules for Unit Masonry
	04 06 20.13	Masonry Unit Schedule
	04 06 40	Schedules for Stone Assemblies
	04 06 50 04 06 60	Schedules for Refractory Masonry
	04 06 70	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	Brick Masonry
	04 21 13.13	Brick Veneer Masonry
	04 21 13.23	Surface-Bonded Brick Masonry
	04 21 16 04 21 19	Ceramic Glazed Clay Masonry
	04 21 19	Clay Tile Masonry Structural Clay Tile Masonry
	04 21 26	Glazed Structural Clay Tile Masonry
	04 21 29	Terra Cotta Masonry
04	22 00	Concrete Unit Masonry
UT I	04 22 00.13	Concrete Unit Veneer Masonry
	04 22 00.16	Surface-Bonded Concrete Unit Masonry
	04 22 19	Insulated Concrete Unit Masonry
	04 22 23	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 04 22 23.23	Molded-Face Concrete Unit Masonry Prefaced Concrete Unit Masonry
	04 22 23.26	Sound-Absorbing Concrete Unit Masonry
	04 22 23.29	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	Single-Wythe Unit Masonry
	04 26 13	Masonry Veneer
04	27 00	Multiple-Wythe Unit Masonry
	04 27 13	Composite Unit Masonry
	04 27 23	Cavity Wall Unit Masonry
04	28 00	Concrete Form Masonry Units
	04 28 13	Dry-Stacked, Concrete-Filled Masonry Units
	04 28 23	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 04 43 13.16	Anchored Stone Masonry Veneer Adhered Stone Masonry Veneer
04 50 00	
	Refractory Masonry
04 51 00	Flue Liner Masonry
04 52 00	Combustion Chamber Masonry
04 53 00	Castable Refractory Masonry
04 54 00	Refractory Brick Masonry
04 57 00	Masonry Fireplaces
04 57 33	Modular Masonry Fireplaces
04 60 00	Corrosion-Resistant Masonry
04 61 00	Chemical-Resistant Brick Masonry
04 62 00	Vitrified Clay Liner Plate
04 70 00	Manufactured Masonry
04 71 00	Manufactured Brick Masonry
04 71 13	Calcium Silicate Manufactured Brick Masonry
04 72 00	Cast Stone Masonry
04 73 00	Manufactured Stone Masonry
04 73 13	Calcium Silicate Manufactured Stone Masonry

05 00 00	Metals
05 01 00	Maintenance of Metals
05 01 10	Maintenance of Structural Metal Framing
05 01 20	Maintenance of Metal Joists
05 01 30	Maintenance of Metal Decking
05 01 40	Maintenance of Cold-Formed Metal Framing
05 01 50	Maintenance of Metal Fabrications
05 01 70	Maintenance of Decorative Metal Historic Treatment of Decorative Metal
05 01 70.91	
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 05 03 76	Conservation Treatment for Period Decorative Formed Metal
05 05 00	Conservation Treatment for Period Decorative Forged Metal Common Work Results for Metals
05 05 05 05 05 13	Selective Demolition for Metals 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 05 06 20.13	Schedules for Metal Joists Steel Joist Schedule
05 06 30	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	Cable Bow Truss Assemblies
05 16 33	Bridge Cabling
05 17 00	Structural Rod Assemblies
05 19 00	Tension Rod and Cable Truss Assemblies
05 19 13	Façade Support Truss Assemblies
05 19 19	Canopy Support Truss Assemblies
05 20 00	Metal Joists
05 21 00	Steel Joist Framing
05 21 13	Deep Longspan Steel Joist Framing
05 21 16	Longspan Steel Joist Framing
05 21 19 05 21 23	Open Web Steel Joist Framing Steel Joist Girder Framing
05 25 00	Aluminum Joist Framing
05 30 00	Metal Decking
05 31 00	Steel Decking
05 31 13 05 31 23	Steel Floor Decking Steel Roof Decking
05 31 33	Steel Form Decking
05 33 00	Aluminum Decking
05 33 13	Aluminum Floor Decking
05 33 23	Aluminum Roof Decking
05 34 00	Acoustical Metal Decking
05 35 00	Raceway Decking Assemblies
05 36 00	Composite Metal Decking
05 36 13	Composite Steel Plate and Elastomer Decking
05 40 00	Cold-Formed Metal Framing
05 41 00	Structural Metal Stud Framing
05 42 00	Cold-Formed Metal Joist Framing
05 42 13	Cold-Formed Metal Floor Joist Framing
05 42 23	Cold-Formed Metal Roof Joist Framing
05 43 00	Slotted Channel Framing
05 44 00	Cold-Formed Metal Trusses
05 44 13	Cold-Formed Metal Roof Trusses
05 45 00	Metal Support Assemblies
05 45 13	Mechanical Metal Supports
05 45 16	Electrical Metal Supports
05 45 19 05 45 23	Communications Metal Supports
	Healthcare Metal Supports
05 50 00	Metal Fabrications

$\begin{array}{c} 05 \ 51 \ 00 \\ 05 \ 51 \ 13 \\ 05 \ 51 \ 16 \\ 05 \ 51 \ 19 \\ 05 \ 51 \ 23 \\ 05 \ 51 \ 33 \\ 05 \ 51 \ 33.13 \\ 05 \ 51 \ 33.16 \\ 05 \ 51 \ 33.23 \\ 05 \ 51 \ 36 \\ 05 \ 51 \ 36 \\ 05 \ 51 \ 36.13 \\ 05 \ 51 \ 36.16 \end{array}$	Metal Stairs Metal Pan Stairs Metal Floor Plate Stairs Metal Grating Stairs Metal Grating Stairs Metal Ladders Metal Ladders Vertical Metal Ladders Inclined Metal Ladders Alternating Tread Ladders Metal Walkways Metal Catwalks Metal Ramps
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 54 00	Metal Floor Plates
05 55 00	Metal Stair Treads and Nosings
05 55 13 05 55 16	Metal Stair Treads 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
05 76 00	Decorative Forged Metal
05 77 00	Decorative Extruded Metal

06 00 00 06 01 00 06 01 10 06 01 10 06 01 10 06 01 10

- 06 01 10.71 Rough Carpentry Rehabilitation **Rough Carpentry Restoration** 06 01 10.91 **Rough Carpentry Preservation** 06 01 10.92 06 01 20 Maintenance of Finish Carpentry **Finish Carpentry Rehabilitation** 06 01 20.71 **Finish Carpentry Restoration** 06 01 20.91 06 01 20.92 Finish Carpentry Preservation Maintenance of Architectural Woodwork 06 01 40 Architectural Woodwork Cleaning 06 01 40.51 Architectural Woodwork Refinishing 06 01 40.61 06 01 40.91 Architectural Woodwork Restoration 06 01 50 Maintenance of Structural Plastics Maintenance of Plastic Fabrications 06 01 60 06 01 60.51 Plastic Cleaning Plastic Rehabilitation 06 01 60.71 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 Common Work Results for Period Wood 06 03 05 06 03 05.73 Long-term Period Wood Treatment Eradication of Insects in Period Wood 06 03 05.74 06 03 05.75 Antiseptic Treatment of Period Wood Conservation Treatment of Period Log Construction 06 03 13 Conservation Treatment for Period Heavy Timber 06 03 13.23 Conservation Treatment for Period Finish Carpentry 06 03 20 Period Exterior Finish Carpentry 06 03 20.13 Period Interior Finish Carpentry 06 03 20.23 Conservation Treatment for Period Architectural Woodwork 06 03 40 Period Exterior Architectural Woodwork 06 03 40.13 Period Interior Architectural Woodwork 06 03 40.23 Common Work Results for Wood, Plastics, and 06 05 00 Composites 06 05 05 Selective Demolition for Wood, Plastics, and Composites Wood, Plastic, and Composite Fastenings 06 05 23 06 05 73 Wood Treatment Fire-Retardant Wood Treatment 06 05 73.13 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 06 06 10.23	Plywood Shear Wall Schedule
06 06 10.25	Plywood Web Joist Schedule Wood Truss Schedule
06 06 20	Schedules for Finish Carpentry
06 06 20	Schedules for Architectural 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 Wood Pool Dooking
06 15 16 06 15 19	Wood Roof Decking 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	Gypsum Sheathing
06 16 53	Moisture-Resistant Sheathing Board
06 16 63	Cementitious Sheathing
06 17 00	Shop-Fabricated Structural Wood

06 17 13	Laminated Veneer Lumber
06 17 19	Cross-Laminated Timber
06 17 23	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
	Architectural Woodwork
06 40 00	
06 40 13	Exterior Architectural Woodwork
06 40 23	Interior Architectural Woodwork
00 44 00	
06 41 00	Architectural Wood Casework
06 41 13	Wood-Veneer-Faced Architectural Cabinets
06 41 13 06 41 16	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets
06 41 13 06 41 16 06 41 93	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware
06 41 13 06 41 16 06 41 93 06 42 00	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling
06 41 13 06 41 16 06 41 93 06 42 00 06 42 13	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling Wood Board Paneling
06 41 13 06 41 16 06 41 93 06 42 00 06 42 13 06 42 14	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling Wood Board Paneling Stile and Rail Wood Paneling
06 41 13 06 41 16 06 41 93 06 42 00 06 42 13 06 42 14 06 42 16	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling Wood Board Paneling Stile and Rail Wood Paneling Flush Wood Paneling
06 41 13 06 41 16 06 41 93 06 42 00 06 42 13 06 42 14 06 42 16 06 42 19	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling Wood Board Paneling Stile and Rail Wood Paneling Flush Wood Paneling Plastic-Laminate-Faced Wood Paneling
06 41 13 06 41 16 06 41 93 06 42 00 06 42 13 06 42 14 06 42 16 06 42 19 06 43 00	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling Wood Board Paneling Stile and Rail Wood Paneling Flush Wood Paneling Plastic-Laminate-Faced Wood Paneling Wood Stairs and Railings
06 41 13 06 41 16 06 41 93 06 42 00 06 42 13 06 42 14 06 42 16 06 42 19 06 43 00 06 43 13	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling Wood Board Paneling Stile and Rail Wood Paneling Flush Wood Paneling Plastic-Laminate-Faced Wood Paneling Wood Stairs and Railings Wood Stairs
$\begin{array}{c} 06 \ 41 \ 13 \\ 06 \ 41 \ 16 \\ 06 \ 41 \ 93 \end{array}$	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling Wood Board Paneling Stile and Rail Wood Paneling Flush Wood Paneling Plastic-Laminate-Faced Wood Paneling Wood Stairs and Railings Wood Stairs Wood Railings
$\begin{array}{c} 06 \ 41 \ 13 \\ 06 \ 41 \ 16 \\ 06 \ 41 \ 93 \end{array}$	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling Wood Board Paneling Stile and Rail Wood Paneling Flush Wood Paneling Plastic-Laminate-Faced Wood Paneling Wood Stairs and Railings Wood Stairs Wood Railings Ornamental Woodwork
$\begin{array}{c} 06 \ 41 \ 13 \\ 06 \ 41 \ 16 \\ 06 \ 41 \ 93 \end{array}$	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling Wood Board Paneling Stile and Rail Wood Paneling Flush Wood Paneling Plastic-Laminate-Faced Wood Paneling Wood Stairs and Railings Wood Stairs Wood Railings Ornamental Woodwork Wood Turnings
$\begin{array}{c} 06 \ 41 \ 13 \\ 06 \ 41 \ 16 \\ 06 \ 41 \ 93 \end{array}$	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling Wood Board Paneling Stile and Rail Wood Paneling Flush Wood Paneling Plastic-Laminate-Faced Wood Paneling Wood Stairs and Railings Wood Stairs Wood Railings Ornamental Woodwork Wood Turnings Wood Pilasters
$\begin{array}{c} 06 \ 41 \ 13 \\ 06 \ 41 \ 16 \\ 06 \ 41 \ 93 \end{array}$	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling Wood Board Paneling Stile and Rail Wood Paneling Flush Wood Paneling Plastic-Laminate-Faced Wood Paneling Wood Stairs and Railings Wood Stairs Wood Railings Ornamental Woodwork Wood Turnings Wood Pilasters Wood Grilles
$\begin{array}{c} 06 \ 41 \ 13 \\ 06 \ 41 \ 16 \\ 06 \ 41 \ 93 \end{array}$	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling Wood Board Paneling Stile and Rail Wood Paneling Flush Wood Paneling Plastic-Laminate-Faced Wood Paneling Wood Stairs and Railings Wood Stairs Wood Railings Ornamental Woodwork Wood Turnings Wood Grilles Wood Grilles Wood Corbels
$\begin{array}{c} 06 \ 41 \ 13 \\ 06 \ 41 \ 16 \\ 06 \ 41 \ 93 \end{array}$	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling Wood Board Paneling Stile and Rail Wood Paneling Flush Wood Paneling Plastic-Laminate-Faced Wood Paneling Wood Stairs and Railings Wood Stairs Wood Stairs Wood Railings Ornamental Woodwork Wood Turnings Wood Grilles Wood Corbels Wood Cupolas
$\begin{array}{c} 06 \ 41 \ 13 \\ 06 \ 41 \ 16 \\ 06 \ 41 \ 93 \end{array}$	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling Wood Board Paneling Stile and Rail Wood Paneling Flush Wood Paneling Plastic-Laminate-Faced Wood Paneling Wood Stairs and Railings Wood Stairs Wood Railings Ornamental Woodwork Wood Turnings Wood Grilles Wood Grilles Wood Corbels
$\begin{array}{c} 06 \ 41 \ 13 \\ 06 \ 41 \ 16 \\ 06 \ 41 \ 93 \end{array}$	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling Wood Board Paneling Stile and Rail Wood Paneling Flush Wood Paneling Plastic-Laminate-Faced Wood Paneling Wood Stairs and Railings Wood Stairs Wood Stairs Wood Railings Ornamental Woodwork Wood Turnings Wood Filasters Wood Grilles Wood Corbels Wood Cupolas Wood Finials
$\begin{array}{c} 06 \ 41 \ 13 \\ 06 \ 41 \ 16 \\ 06 \ 41 \ 93 \end{array}$	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling Wood Board Paneling Stile and Rail Wood Paneling Flush Wood Paneling Plastic-Laminate-Faced Wood Paneling Wood Stairs and Railings Wood Stairs Wood Stairs Wood Railings Ornamental Woodwork Wood Filasters Wood Grilles Wood Corbels Wood Corbels Wood Finials Wood Finials Wood Mantels
$\begin{array}{c} 06 \ 41 \ 13 \\ 06 \ 41 \ 16 \\ 06 \ 41 \ 93 \end{array}$	Wood-Veneer-Faced Architectural Cabinets Plastic-Laminate-Clad Architectural Cabinets Cabinet and Drawer Hardware Wood Paneling Wood Board Paneling Stile and Rail Wood Paneling Flush Wood Paneling Plastic-Laminate-Faced Wood Paneling Wood Stairs and Railings Wood Stairs Wood Stairs Wood Railings Ornamental Woodwork Wood Filasters Wood Grilles Wood Corbels Wood Corbels Wood Cupolas Wood Finials Wood Mantels Wood Pediment Heads

06 46 16	Wood Aprons
06 46 19	Wood Base and Shoe Moldings
06 46 23 06 46 26	Wood Chair Rails 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	Interior Wood Door Frames
06 48 19	Ornamental Wood Frames
06 48 23	Stick-Built Wood Windows
06 48 26	Wood-Veneer Frames
06 49 00	Wood Screens and Exterior Wood Shutters
06 49 13	Wood Screens
06 49 16	Exterior Wood Blinds Exterior Wood Shutters
06 49 19	
06 50 00	Structural Plastics
06 51 00 06 51 13	Structural Plastic Shapes and Plates 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	Plastic Lattice Paneling
06 65 00	Plastic Trim
06 66 00	Custom Ornamental Simulated Woodwork
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	Composite Joist Assemblies
06 73 00 06 73 13	Composite Decking 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 06 83 00

Composite Trim

06 83 13 06 83 16 **Composite Paneling** Resin Composite Paneling Fiberglass Reinforced Paneling

07 00 00 07 01 00	Thermal and Moisture Protection Operation and Maintenance of Thermal and Moisture Protection
07 01 10	Maintenance of Dampproofing and Waterproofing
07 01 10.81	Waterproofing Replacement
07 01 20	Maintenance of Thermal Protection
07 01 30	Maintenance of Steep Slope Roofing
07 01 40	Maintenance of Roofing and Siding Panels
07 01 50	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 07 01 50.61	Roof Removal Roof Re-Coating
07 01 50.81	Roof Replacement
07 01 50.91	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	Maintenance of Joint Protection
07 01 90.71	Joint Sealant Rehabilitation
07 01 90.81	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 07 03 30.16	Conservation Treatment for Period Canvas Roofing
07 03 30.10	Conservation Treatment for Period Board Roofing 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	Conservation Treatment for Period Wood Shingles and Shakes
07 03 32	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 07 03 41.13	Conservative Treatment for Period Roof Panels Conservation Treatment for Period Metal Roof Panels
07 03 41.13	Conservation Treatment for Period Wood Roof Panels
07 03 46	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 53	Fire and Smoke Assembly Identification
07 06 00	Schedules for Thermal and Moisture Protection
07 06 10	Schedules for Dampproofing and Waterproofing
07 06 20	Schedules for Thermal Protection
07 06 30	Schedules for Steep Slope Roofing
07 06 40	Schedules for Roofing and Siding Panels
07 06 50	Schedules for Membrane Roofing
07 06 60	Schedules for Flashing and Sheet Metal
07 06 70	Schedules for Roof Specialties and Accessories
07 06 80	Schedules for Fire and Smoke Protection
07 06 80.13	Fireproofing Schedule
07 06 80.16	Firestopping Schedule
07 06 90 07 06 90.13	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	Bituminous Dampproofing
07 11 16	Cementitious Dampproofing
07 11 19	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	Self-Adhering Sheet Waterproofing
07 13 52	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	Cold Fluid-Applied Waterproofing
07 15 00	Sheet Metal Waterproofing
07 15 13	Sheet Lead Waterproofing
07 16 00	Cementitious and Reactive Waterproofing
07 16 13	Polymer Modified Cement Waterproofing
07 16 16 07 16 19	Crystalline Waterproofing
	Metal Oxide Waterproofing
07 17 00	Bentonite Waterproofing
07 17 13	Bentonite Panel Waterproofing
07 17 16	Bentonite Composite Sheet Waterproofing
07 18 00	Traffic Coatings
07 18 13	Pedestrian Traffic Coatings
07 18 16	Vehicular Traffic Coatings
07 19 00	Water Repellents

07 19 13 07 19 16 07 19 19	Acrylic Water Repellents Silane Water Repellents Silicone Water Repellents
07 19 23	Siloxane Water Repellents
07 19 26	Stearate Water Repellents
07 20 00	Thermal Protection
07 21 00	Thermal Insulation
07 21 13 07 21 13.13	Board Insulation Foam Board Insulation
07 21 13.16	Fibrous Board Insulation
07 21 13.19 07 21 16	Mineral Board Insulation Blanket Insulation
07 21 10	Foamed-In-Place Insulation
07 21 19.13	Aminoplast Foam Insulation
07 21 19.16 07 21 23	Polyurethane Foam Insulation Loose-Fill Insulation
07 21 25	Blown Insulation
07 21 29	Sprayed Insulation
07 21 53	Reflective Insulation
07 22 00 07 22 13	Roof and Deck Insulation Asphaltic Perlite Concrete Deck
07 22 13	Roof Board Insulation
07 24 00	Exterior Insulation and Finish Systems
07 24 13	Polymer-Based Exterior Insulation and Finish System
07 24 16	Polymer-Modified Exterior Insulation and Finish System
07 24 19 07 24 23	Water-Drainage Exterior Insulation and Finish System Direct-Applied Finish Systems
07 24 23	Direct-Applied Finish Systems
07 24 23 07 25 00 07 26 00 07 26 13	Direct-Applied Finish Systems Weather Barriers Vapor Retarders Above-Grade Vapor Retarders
07 24 23 07 25 00 07 26 00 07 26 13 07 26 16	Direct-Applied Finish Systems Weather Barriers Vapor Retarders Above-Grade Vapor Retarders Below-Grade Vapor Retarders
07 24 23 07 25 00 07 26 00 07 26 13 07 26 16 07 26 23	Direct-Applied Finish Systems Weather Barriers Vapor Retarders Above-Grade Vapor Retarders Below-Grade Vapor Retarders Below-Grade Gas Retarders
07 24 23 07 25 00 07 26 00 07 26 13 07 26 16	Direct-Applied Finish Systems Weather Barriers Vapor Retarders Above-Grade Vapor Retarders Below-Grade Vapor Retarders Below-Grade Gas Retarders Air Barriers Modified Bituminous Sheet Air Barriers
07 24 23 07 25 00 07 26 00 07 26 13 07 26 16 07 26 23 07 27 00 07 27 13 07 27 16	Direct-Applied Finish Systems Weather Barriers Vapor Retarders Above-Grade Vapor Retarders Below-Grade Vapor Retarders Below-Grade Gas Retarders Air Barriers Modified Bituminous Sheet Air Barriers Sheet Metal Membrane Air Barriers
07 24 23 07 25 00 07 26 00 07 26 13 07 26 16 07 26 23 07 27 00 07 27 13 07 27 16 07 27 19	Direct-Applied Finish Systems Weather Barriers Vapor Retarders Above-Grade Vapor Retarders Below-Grade Vapor Retarders Below-Grade Gas Retarders Below-Grade Gas Retarders Air Barriers Modified Bituminous Sheet Air Barriers Sheet Metal Membrane Air Barriers Plastic Sheet Air Barriers
07 24 23 07 25 00 07 26 00 07 26 13 07 26 16 07 26 23 07 27 00 07 27 13 07 27 16	Direct-Applied Finish Systems Weather Barriers Vapor Retarders Above-Grade Vapor Retarders Below-Grade Vapor Retarders Below-Grade Gas Retarders Air Barriers Modified Bituminous Sheet Air Barriers Sheet Metal Membrane Air Barriers
$\begin{array}{c} 07\ 24\ 23\\ \textbf{07\ 25\ 00}\\ 07\ 26\ 00\\ 07\ 26\ 13\\ 07\ 26\ 16\\ 07\ 26\ 23\\ \textbf{07\ 27\ 23}\\ 07\ 27\ 10\\ 07\ 27\ 19\\ 07\ 27\ 23\\ 07\ 27\ 26\\ 07\ 27\ 36\\ \end{array}$	Direct-Applied Finish Systems Weather Barriers Vapor Retarders Above-Grade Vapor Retarders Below-Grade Vapor Retarders Below-Grade Gas Retarders Below-Grade Gas Retarders Air Barriers Modified Bituminous Sheet Air Barriers Sheet Metal Membrane Air Barriers Plastic Sheet Air Barriers Board Product Air Barriers Fluid-Applied Membrane Air Barriers Sprayed Foam Air Barrier
07 24 23 07 25 00 07 26 00 07 26 13 07 26 16 07 26 23 07 27 00 07 27 13 07 27 16 07 27 19 07 27 23 07 27 26 07 27 36 07 30 00	Direct-Applied Finish Systems Weather Barriers Vapor Retarders Above-Grade Vapor Retarders Below-Grade Vapor Retarders Below-Grade Gas Retarders Below-Grade Gas Retarders Air Barriers Modified Bituminous Sheet Air Barriers Sheet Metal Membrane Air Barriers Plastic Sheet Air Barriers Board Product Air Barriers Fluid-Applied Membrane Air Barriers
07 24 23 07 25 00 07 26 00 07 26 13 07 26 16 07 26 23 07 27 00 07 27 13 07 27 16 07 27 19 07 27 23 07 27 26 07 27 36 07 30 00 07 30 91	Direct-Applied Finish Systems Weather Barriers Vapor Retarders Above-Grade Vapor Retarders Below-Grade Vapor Retarders Below-Grade Gas Retarders Below-Grade Gas Retarders Below-Grade Gas Retarders Air Barriers Modified Bituminous Sheet Air Barriers Sheet Metal Membrane Air Barriers Plastic Sheet Air Barriers Plastic Sheet Air Barriers Board Product Air Barriers Fluid-Applied Membrane Air Barriers Sprayed Foam Air Barrier Steep Slope Roofing Canvas Roofing
07 24 23 07 25 00 07 26 00 07 26 13 07 26 16 07 26 23 07 27 00 07 27 13 07 27 16 07 27 19 07 27 23 07 27 26 07 27 36 07 30 00 07 30 91 07 31 00	Direct-Applied Finish Systems Weather Barriers Vapor Retarders Above-Grade Vapor Retarders Below-Grade Vapor Retarders Below-Grade Gas Retarders Below-Grade Gas Retarders Air Barriers Modified Bituminous Sheet Air Barriers Sheet Metal Membrane Air Barriers Plastic Sheet Air Barriers Plastic Sheet Air Barriers Board Product Air Barriers Fluid-Applied Membrane Air Barriers Sprayed Foam Air Barrier Sprayed Foam Air Barrier Canvas Roofing Shingles and Shakes
07 24 23 07 25 00 07 26 00 07 26 13 07 26 16 07 26 23 07 27 00 07 27 13 07 27 16 07 27 19 07 27 23 07 27 26 07 27 36 07 30 00 07 30 91	Direct-Applied Finish Systems Weather Barriers Vapor Retarders Above-Grade Vapor Retarders Below-Grade Vapor Retarders Below-Grade Gas Retarders Below-Grade Gas Retarders Below-Grade Gas Retarders Air Barriers Modified Bituminous Sheet Air Barriers Sheet Metal Membrane Air Barriers Plastic Sheet Air Barriers Plastic Sheet Air Barriers Board Product Air Barriers Fluid-Applied Membrane Air Barriers Sprayed Foam Air Barrier Steep Slope Roofing Canvas Roofing
07 24 23 07 25 00 07 26 00 07 26 13 07 26 16 07 26 23 07 27 00 07 27 13 07 27 16 07 27 19 07 27 23 07 27 26 07 27 36 07 30 00 07 30 91 07 31 13 07 31 13.13 07 31 16	Direct-Applied Finish Systems Weather Barriers Vapor Retarders Above-Grade Vapor Retarders Below-Grade Vapor Retarders Below-Grade Gas Retarders Below-Grade Gas Retarders Air Barriers Modified Bituminous Sheet Air Barriers Sheet Metal Membrane Air Barriers Plastic Sheet Air Barriers Plastic Sheet Air Barriers Board Product Air Barriers Fluid-Applied Membrane Air Barriers Sprayed Foam Air Barrier Steep Slope Roofing Canvas Roofing Shingles and Shakes Asphalt Shingles Fiberglass-Reinforced Asphalt Shingles Metal Shingles
$\begin{array}{c} 07\ 24\ 23\\ \textbf{07\ 25\ 00}\\ 07\ 26\ 00\\ 07\ 26\ 13\\ 07\ 26\ 13\\ 07\ 26\ 16\\ 07\ 26\ 23\\ \textbf{07\ 27\ 16}\\ 07\ 27\ 19\\ 07\ 27\ 19\\ 07\ 27\ 19\\ 07\ 27\ 23\\ 07\ 27\ 26\\ 07\ 27\ 36\\ \textbf{07\ 30\ 91}\\ \textbf{07\ 30\ 91}\\ \textbf{07\ 31\ 13}\\ 07\ 31\ 13.13\\ 07\ 31\ 16\\ 07\ 31\ 19\\ \end{array}$	Direct-Applied Finish Systems Weather Barriers Vapor Retarders Above-Grade Vapor Retarders Below-Grade Vapor Retarders Below-Grade Gas Retarders Air Barriers Modified Bituminous Sheet Air Barriers Sheet Metal Membrane Air Barriers Plastic Sheet Air Barriers Plastic Sheet Air Barriers Fluid-Applied Membrane Air Barriers Sprayed Foam Air Barrier Steep Slope Roofing Canvas Roofing Shingles and Shakes Asphalt Shingles Fiberglass-Reinforced Asphalt Shingles Metal Shingles Mineral-Fiber Cement Shingles
07 24 23 07 25 00 07 26 00 07 26 13 07 26 16 07 26 23 07 27 00 07 27 13 07 27 16 07 27 19 07 27 23 07 27 26 07 27 36 07 30 00 07 30 91 07 31 13 07 31 13.13 07 31 16	Direct-Applied Finish Systems Weather Barriers Vapor Retarders Above-Grade Vapor Retarders Below-Grade Vapor Retarders Below-Grade Gas Retarders Below-Grade Gas Retarders Air Barriers Modified Bituminous Sheet Air Barriers Sheet Metal Membrane Air Barriers Plastic Sheet Air Barriers Plastic Sheet Air Barriers Board Product Air Barriers Fluid-Applied Membrane Air Barriers Sprayed Foam Air Barrier Steep Slope Roofing Canvas Roofing Shingles and Shakes Asphalt Shingles Fiberglass-Reinforced Asphalt Shingles Metal Shingles

	07 31 29 07 31 29.13 07 31 29.16 07 31 33 07 31 53 32 00 07 32 13 07 32 13 07 32 14 07 32 16 07 32 19 07 32 23 07 32 23 07 32 29 33 00 07 33 13 07 33 16 07 33 63	Wood Shingles and Shakes Wood Shingles Wood Shakes Composite Rubber Shingles Plastic Shakes Roof Tiles Clay Roof Tiles Ceramic and Porcelain Roof Tiles Ceramic and Porcelain Roof Tiles Concrete Roof Tiles Metal Roof Tiles Metal Roof Tiles Mineral-Fiber Cement Roof Tiles Plastic Roof Tiles Rubber Tiles/Panels Natural Roof Coverings Sod Roofing Thatched Roofing Vegetated Roofing
07	40 00	Roofing and Siding Panels
07	41 00	Roof Panels
	07 41 13	Metal Roof Panels
	07 41 23	Wood Roof Panels
	07 41 33 07 41 43	Plastic Roof Panels
	07 41 43	Composite Roof Panels Fabricated Roof Panel Assemblies
07	42 00	Wall Panels
01		
	07 42 13	Metal Wall Panels
	07 42 13 07 42 13.13	Metal Wall Panels Formed Metal Wall Panels
	07 42 13.13 07 42 13.16	Formed Metal Wall Panels Metal Plate Wall Panels
	07 42 13.13 07 42 13.16 07 42 13.19	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels
	07 42 13.13 07 42 13.16 07 42 13.19 07 42 13.23	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels Metal Composite Material Wall Panels
	07 42 13.13 07 42 13.16 07 42 13.19 07 42 13.23 07 42 23	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels Metal Composite Material Wall Panels Wood Wall Panels
	07 42 13.13 07 42 13.16 07 42 13.19 07 42 13.23	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels Metal Composite Material Wall Panels
	07 42 13.13 07 42 13.16 07 42 13.19 07 42 13.23 07 42 23 07 42 29	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels Metal Composite Material Wall Panels Wood Wall Panels Terracotta Wall Panels
	07 42 13.13 07 42 13.16 07 42 13.19 07 42 13.23 07 42 23 07 42 23 07 42 29 07 42 33 07 42 43 07 42 63	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels Metal Composite Material Wall Panels Wood Wall Panels Terracotta Wall Panels Plastic Wall Panels Composite Wall Panels Fabricated Wall Panel Assemblies
	07 42 13.13 07 42 13.16 07 42 13.19 07 42 13.23 07 42 23 07 42 29 07 42 33 07 42 43 07 42 63 07 42 93	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels Metal Composite Material Wall Panels Wood Wall Panels Terracotta Wall Panels Plastic Wall Panels Composite Wall Panels Fabricated Wall Panel Assemblies Soffit Panels
07	07 42 13.13 07 42 13.16 07 42 13.19 07 42 13.23 07 42 23 07 42 29 07 42 33 07 42 43 07 42 63 07 42 93 44 00	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels Metal Composite Material Wall Panels Wood Wall Panels Terracotta Wall Panels Plastic Wall Panels Composite Wall Panels Fabricated Wall Panel Assemblies Soffit Panels Faced Panels
07	07 42 13.13 07 42 13.16 07 42 13.19 07 42 13.23 07 42 23 07 42 29 07 42 33 07 42 43 07 42 43 07 42 63 07 42 93 44 00 07 44 13	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels Metal Composite Material Wall Panels Wood Wall Panels Terracotta Wall Panels Plastic Wall Panels Composite Wall Panels Fabricated Wall Panel Assemblies Soffit Panels Faced Panels Aggregate Coated Panels
07	07 42 13.13 07 42 13.16 07 42 13.19 07 42 13.23 07 42 23 07 42 29 07 42 33 07 42 43 07 42 63 07 42 93 44 00 07 44 13 07 44 16	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels Metal Composite Material Wall Panels Wood Wall Panels Terracotta Wall Panels Plastic Wall Panels Composite Wall Panels Fabricated Wall Panel Assemblies Soffit Panels Faced Panels Aggregate Coated Panels Porcelain Enameled Faced Panels
07	07 42 13.13 07 42 13.16 07 42 13.19 07 42 13.23 07 42 23 07 42 29 07 42 33 07 42 43 07 42 43 07 42 63 07 42 93 44 00 07 44 13 07 44 16 07 44 19	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels Metal Composite Material Wall Panels Wood Wall Panels Terracotta Wall Panels Plastic Wall Panels Composite Wall Panels Fabricated Wall Panel Assemblies Soffit Panels Faced Panels Aggregate Coated Panels Porcelain Enameled Faced Panels Tile-Faced Panels
07	07 42 13.13 07 42 13.16 07 42 13.19 07 42 13.23 07 42 23 07 42 29 07 42 29 07 42 33 07 42 43 07 42 63 07 42 93 44 00 07 44 13 07 44 16 07 44 19 07 44 23	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels Metal Composite Material Wall Panels Wood Wall Panels Terracotta Wall Panels Plastic Wall Panels Composite Wall Panels Fabricated Wall Panel Assemblies Soffit Panels Faced Panels Aggregate Coated Panels Porcelain Enameled Faced Panels
07	07 42 13.13 07 42 13.16 07 42 13.19 07 42 13.23 07 42 23 07 42 29 07 42 33 07 42 43 07 42 43 07 42 63 07 42 93 44 00 07 44 13 07 44 16 07 44 19	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels Metal Composite Material Wall Panels Wood Wall Panels Terracotta Wall Panels Plastic Wall Panels Composite Wall Panels Fabricated Wall Panel Assemblies Soffit Panels Faced Panels Aggregate Coated Panels Porcelain Enameled Faced Panels Tile-Faced Panels Ceramic-Tile-Faced Panels
07	07 42 13.13 07 42 13.16 07 42 13.19 07 42 13.23 07 42 23 07 42 29 07 42 33 07 42 43 07 42 63 07 42 93 44 00 07 44 13 07 44 16 07 44 19 07 44 23 07 44 33 07 44 53 07 44 53	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels Metal Composite Material Wall Panels Wood Wall Panels Terracotta Wall Panels Plastic Wall Panels Plastic Wall Panels Composite Wall Panels Fabricated Wall Panel Assemblies Soffit Panels Faced Panels Aggregate Coated Panels Porcelain Enameled Faced Panels Tile-Faced Panels Ceramic-Tile-Faced Panels Metal Faced Panels Glass-Fiber-Reinforced Cementitious Panels
	$\begin{array}{c} 07 \ 42 \ 13.13 \\ 07 \ 42 \ 13.16 \\ 07 \ 42 \ 13.23 \\ 07 \ 42 \ 13.23 \\ 07 \ 42 \ 23 \\ 07 \ 42 \ 23 \\ 07 \ 42 \ 29 \\ 07 \ 42 \ 33 \\ 07 \ 42 \ 43 \\ 07 \ 42 \ 93 \end{array}$	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels Metal Composite Material Wall Panels Wood Wall Panels Terracotta Wall Panels Plastic Wall Panels Composite Wall Panels Fabricated Wall Panel Assemblies Soffit Panels Faced Panels Aggregate Coated Panels Porcelain Enameled Faced Panels Tile-Faced Panels Ceramic-Tile-Faced Panels Metal Faced Panels Glass-Fiber-Reinforced Cementitious Panels Mineral-Fiber-Reinforced Cementitious Panels Fabricated Faced Panel Assemblies
	07 42 13.13 07 42 13.16 07 42 13.19 07 42 13.23 07 42 23 07 42 29 07 42 33 07 42 43 07 42 63 07 42 93 44 00 07 44 13 07 44 16 07 44 19 07 44 23 07 44 33 07 44 53 07 44 53 07 44 63 46 00	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels Metal Composite Material Wall Panels Wood Wall Panels Terracotta Wall Panels Plastic Wall Panels Composite Wall Panels Fabricated Wall Panel Assemblies Soffit Panels Faced Panels Aggregate Coated Panels Porcelain Enameled Faced Panels Tile-Faced Panels Ceramic-Tile-Faced Panels Metal Faced Panels Glass-Fiber-Reinforced Cementitious Panels Mineral-Fiber-Reinforced Cementitious Panels Fabricated Faced Panel Assemblies
	07 42 13.13 07 42 13.16 07 42 13.19 07 42 13.23 07 42 23 07 42 29 07 42 33 07 42 43 07 42 63 07 42 93 44 00 07 44 13 07 44 16 07 44 19 07 44 23 07 44 33 07 44 53 07 44 53 07 44 63 46 00 07 46 16	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels Metal Composite Material Wall Panels Wood Wall Panels Terracotta Wall Panels Plastic Wall Panels Composite Wall Panels Fabricated Wall Panel Assemblies Soffit Panels Faced Panels Aggregate Coated Panels Porcelain Enameled Faced Panels Tile-Faced Panels Ceramic-Tile-Faced Panels Metal Faced Panels Glass-Fiber-Reinforced Cementitious Panels Mineral-Fiber-Reinforced Cementitious Panels Fabricated Faced Panel Assemblies Siding Aluminum Siding
	07 42 13.13 07 42 13.16 07 42 13.19 07 42 13.23 07 42 23 07 42 29 07 42 33 07 42 43 07 42 63 07 42 93 44 00 07 44 13 07 44 16 07 44 19 07 44 23 07 44 33 07 44 53 07 44 53 07 44 63 46 00	Formed Metal Wall Panels Metal Plate Wall Panels Insulated Metal Wall Panels Metal Composite Material Wall Panels Wood Wall Panels Terracotta Wall Panels Plastic Wall Panels Composite Wall Panels Fabricated Wall Panel Assemblies Soffit Panels Faced Panels Aggregate Coated Panels Porcelain Enameled Faced Panels Tile-Faced Panels Ceramic-Tile-Faced Panels Metal Faced Panels Glass-Fiber-Reinforced Cementitious Panels Mineral-Fiber-Reinforced Cementitious Panels Fabricated Faced Panel Assemblies

07 46 26	Hardboard Siding
07 46 29	Plywood Siding
07 46 33	Plastic Siding
07 46 43	Composition Siding
07 46 46	Fiber-Cement Siding
07 46 63	Fabricated Panel Assemblies with Siding
07 50 00	Membrane Roofing
07 51 00	Built-Up Bituminous Roofing
07 51 13	Built-Up Asphalt Roofing
07 51 13.13	Cold-Applied Built-Up Asphalt Roofing
07 51 16	Built-Up Coal Tar Roofing
07 51 23	Glass-Fiber-Reinforced Asphalt Emulsion Roofing
07 52 00	Modified Bituminous Membrane Roofing
07 52 13 07 52 13.11	Atactic-Polypropylene-Modified Bituminous Membrane Roofing Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing
07 52 13.13	Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing
07 52 13.14	Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing
07 52 16	Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
07 52 16.11	Cold Adhesive Styrene-Butadiene-Styrene Modified Bituminous Membrane
07 52 16.12	Roofing Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
07 52 16.13	Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
07 52 16.14	Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
07 53 00	Elastomeric Membrane Roofing
07 53 13	Chlorinated-Polyethylene Roofing
07 53 16	Chlorosulfonate-Polyethylene Roofing
07 53 23	Ethylene-Propylene-Diene-Monomer Roofing
07 53 29	Polyisobutylene Roofing
07 54 00	Thermoplastic Membrane Roofing
07 54 13	Copolymer-Alloy Roofing
07 54 16	Ethylene-Interpolymer Roofing
07 54 19	Polyvinyl-Chloride Roofing
07 54 23	Thermoplastic-Polyolefin Roofing
07 54 26	Nitrile-Butadiene-Polymer Roofing
07 55 00	Protected Membrane Roofing
07 55 51	Built-Up Bituminous Protected Membrane Roofing
07 55 52 07 55 53	Modified Bituminous Protected Membrane Roofing Elastomeric Protected Membrane Roofing
07 55 55	Thermoplastic Protected Membrane Roofing
07 55 56	Fluid-Applied Protected Membrane Roofing
07 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 07 64 16	Standing Seam Sheet Metal Wall Cladding
07 64 19	Batten Seam Sheet Metal Wall Cladding 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	Roof and Wall Specialties and
	Accessories
07 71 00	Roof Specialties
07 71 13	Manufactured Copings
07 71 16	Manufactured Counterflashing Systems
07 71 19	Manufactured Gravel Stops and Fasciae
07 71 23 07 71 23.13	Manufactured Gutters and Downspouts Gutter Debris Guards
07 71 26	Reglets
07 71 29	Manufactured Roof Expansion Joints
07 71 33	Manufactured Scuppers
07 72 00	Roof Accessories
07 72 13 07 72 23	Manufactured Curbs
07 72 23	Relief Vents Ridge Vents
07 72 33	Roof Hatches
07 72 36	Smoke Vents
07 72 43	Roof Walk Boards
07 72 46	Roof Walkways
07 72 53 07 72 63	Snow Guards Waste Containment Assemblies
07 76 00	Roof Pavers
07 76 13	Roof Ballast Pavers
07 76 16	Roof Decking Pavers
07 77 00	Wall Specialties
07 80 00	Fire and Smoke Protection
07 81 00	Applied Fireproofing

07 81 13 07 81 16 07 81 19 07 81 23 07 81 26 07 81 29 07 81 33	Cement Aggregate Fireproofing Cementitious Fireproofing Foamed Magnesium-Oxychloride Fireproofing Intumescent Fireproofing Magnesium Cement Fireproofing Mineral-Fiber Cementitious Fireproofing 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	Firestopping
07 84 13	Penetration Firestopping
07 84 13.13	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 87 00	Smoke Containment Barriers
07 87 00 07 90 00	Smoke Containment Barriers Joint Protection
07 87 00 07 90 00 07 91 00	Smoke Containment Barriers Joint Protection Preformed Joint Seals
07 87 00 07 90 00 07 91 00 07 91 13 07 91 16 07 91 23	Smoke Containment Barriers Joint Protection Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods
07 87 00 07 90 00 07 91 00 07 91 13 07 91 16 07 91 23 07 91 26	Smoke Containment Barriers Joint Protection Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers
07 87 00 07 90 00 07 91 00 07 91 13 07 91 16 07 91 23	Smoke Containment Barriers Joint Protection Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants
07 87 00 07 90 00 07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13	Smoke Containment Barriers Joint Protection Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants
07 87 00 07 90 00 07 91 00 07 91 13 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13 07 92 16	Smoke Containment Barriers Joint Protection Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants
07 87 00 07 90 00 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	Smoke Containment Barriers Joint Protection Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants
07 87 00 07 90 00 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	Smoke Containment Barriers Joint Protection 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 87 00 07 90 00 07 91 00 07 91 13 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	Smoke Containment Barriers Joint Protection 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 87 00 07 90 00 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	Smoke Containment Barriers Joint Protection Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants Expansion Control

Openings 08 00 00 **Operation and Maintenance of Openings** 08 01 00 Operation and Maintenance of Doors and Frames 08 01 10 08 01 11 Operation and Maintenance of Metal Doors and Frames 08 01 14 Operation and Maintenance of Wood Doors Operation and Maintenance of Plastic Doors 08 01 15 08 01 16 **Operation and Maintenance of Composite Doors** 08 01 17 Operation and Maintenance of Integrated Door Opening Assemblies 08 01 30 Operation and Maintenance of Specialty Doors and Frames 08 01 32 Operation and Maintenance of Sliding Glass Doors Operation and Maintenance of Coiling Doors and Grilles 08 01 33 08 01 34 **Operation and Maintenance of Special Function Doors** 08 01 35 Operation and Maintenance of Folding Doors and Grilles 08 01 36 **Operation and Maintenance of Panel Doors** 08 01 39 **Operation and Maintenance of Traffic Doors**

- 08 01 40 Operation and Maintenance of Entrances, Storefronts, and Curtain Walls
- 08 01 41 Operation and Maintenance of Entrances
- 08 01 42 Operation and Maintenance of Storefronts
- 08 01 44 Operation and Maintenance of Curtain Walls
- 08 01 50 Operation and Maintenance of Windows
- 08 01 51 Operation and Maintenance of Metal Windows
- 08 01 52 Operation and Maintenance of Wood Windows
- 08 01 52.61 Wood Window Repairs
- 08 01 52.71 Wood Window Rehabilitation
- 08 01 52.81 Wood Window Replacement
- 08 01 52.91 Wood Window Restoration
- 08 01 52.93 Historic Treatment of Wood Windows
- 08 01 53 Operation and Maintenance of Plastic Windows
- 08 01 54 Operation and Maintenance of Composite Windows
- 08 01 56 Operation and Maintenance of Special Function Windows
- 08 01 60 Operation and Maintenance of Skylights and Roof Windows
- 08 01 61 Operation and Maintenance of Roof Windows
- 08 01 62 Operation and Maintenance of Unit Skylights
- 08 01 63 Operation and Maintenance of Metal-Framed Skylights
- 08 01 64 Operation and Maintenance of Plastic-Framed Skylights
- 08 01 70 Operation and Maintenance of Hardware
- 08 01 71 Operation and Maintenance of Door Hardware
- 08 01 74 Operation and Maintenance of Access Control Hardware
- 08 01 75 Operation and Maintenance of Window Hardware
- 08 01 80 Maintenance of Glazing
- 08 01 81 Maintenance of Glass Glazing
- 08 01 84 Maintenance of Plastic Glazing
- 08 01 88 Maintenance of Special Function Glazing
- 08 01 90 Operation and Maintenance of Louvers and Vents
- 08 01 91 Operation and Maintenance of Louvers
- 08 01 92 Operation and Maintenance of Louvered Equipment Enclosures
- 08 01 95 Operation and Maintenance of Vents

08 03 00 Conservation Treatment for Period Openings

- 08 03 11 Conservation Treatment for Period Metal Doors and Frames
- 08 03 11.13 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 Vault Doors Conservation Treatment for Period Windows Conservation Treatment for Period Bronze Windows Conservation Treatment for Period Bronze Windows Conservation Treatment for Period Steel Windows Conservation Treatment for Period Steel Windows Conservation Treatment for Period Steel Windows Conservation Treatment for Period Hardware 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
Selective Demolition for Openings
Schedules for Openings Door Schedule
Door Type Schedule Frame Type Schedule Schedules for Entrances, Storefronts, and Curtain Walls Entrance Schedule Storefront Schedule Window Schedule Skylight Schedule Hardware Schedule Door Hardware Schedule Glazing Schedule Louver and Vent Schedule
Commissioning of Openings
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 Metal Screen Doors and Frames Aluminum Screen Doors and Frames Steel Storen Doors and Frames Metal Storm Doors and Frames Metal Storm Doors and Frames Steel Storm Doors and Frames

08 11 69.23	Aluminum Storm Doors and Frames
08 11 73 08 11 74	Sliding Metal Fire Doors Sliding Metal Grilles
08 12 00	Metal Frames
08 12 13	
08 12 13	Hollow Metal Frames Standard Hollow Metal Frames
08 12 13.13	Custom Hollow Metal Frames
08 12 16	Aluminum Frames
08 12 19	Stainless-Steel Frames
08 12 23	Bronze Frames
08 13 00	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 19	Stainless-Steel Doors
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	
08 14 23.16 08 14 23.19	Plastic-Laminate-Faced Wood Doors Molded-Hardboard-Faced Wood Doors
08 14 29	Prefinished Wood Doors
08 14 33	Stile and Rail Wood Doors
08 14 66	Wood Screen Doors
	Wood Storm Doors
08 14 69	
08 14 69 08 14 73	Sliding Wood Doors
08 14 73	Sliding Wood Doors
08 14 73 08 14 76	Sliding Wood Doors Bifolding Wood Doors
08 14 73 08 14 76 08 15 00	Sliding Wood Doors Bifolding Wood Doors Plastic Doors
08 14 73 08 14 76 08 15 00 08 15 13	Sliding Wood Doors Bifolding Wood Doors Plastic Doors Laminated Plastic Doors
08 14 73 08 14 76 08 15 00 08 15 13 08 15 16	Sliding Wood Doors Bifolding Wood Doors Plastic Doors Laminated Plastic Doors Solid Plastic Doors
08 14 73 08 14 76 08 15 00 08 15 13 08 15 16 08 15 66 08 15 69 08 15 73	Sliding Wood Doors Bifolding Wood Doors Plastic Doors Laminated Plastic Doors Solid Plastic Doors Plastic Screen Doors Plastic Storm Doors Sliding Plastic Doors
08 14 73 08 14 76 08 15 00 08 15 13 08 15 16 08 15 66 08 15 69 08 15 73 08 15 76	Sliding Wood Doors Bifolding Wood Doors Plastic Doors Laminated Plastic Doors Solid Plastic Doors Plastic Screen Doors Plastic Storm Doors Sliding Plastic Doors Bifolding Plastic Doors
08 14 73 08 14 76 08 15 00 08 15 13 08 15 16 08 15 66 08 15 69 08 15 73	Sliding Wood Doors Bifolding Wood Doors Plastic Doors Laminated Plastic Doors Solid Plastic Doors Plastic Screen Doors Plastic Storm Doors Sliding Plastic Doors
08 14 73 08 14 76 08 15 00 08 15 13 08 15 16 08 15 66 08 15 69 08 15 73 08 15 76	Sliding Wood Doors Bifolding Wood Doors Plastic Doors Laminated Plastic Doors Solid Plastic Doors Plastic Screen Doors Plastic Storm Doors Sliding Plastic Doors Bifolding Plastic Doors
08 14 73 08 14 76 08 15 00 08 15 13 08 15 16 08 15 66 08 15 69 08 15 73 08 15 76 08 16 00 08 16 13 08 16 73	Sliding Wood Doors Bifolding Wood Doors Plastic Doors Laminated Plastic Doors Solid Plastic Doors Plastic Screen Doors Plastic Storm Doors Sliding Plastic Doors Bifolding Plastic Doors Composite Doors Fiberglass Doors Sliding Composite Doors
08 14 73 08 14 76 08 15 00 08 15 13 08 15 16 08 15 66 08 15 69 08 15 73 08 15 76 08 16 00 08 16 13	Sliding Wood Doors Bifolding Wood Doors Plastic Doors Laminated Plastic Doors Solid Plastic Doors Plastic Screen Doors Plastic Storm Doors Sliding Plastic Doors Bifolding Plastic Doors Composite Doors Fiberglass Doors
08 14 73 08 14 76 08 15 00 08 15 13 08 15 16 08 15 66 08 15 69 08 15 73 08 15 76 08 16 00 08 16 13 08 16 73	Sliding Wood Doors Bifolding Wood Doors Plastic Doors Laminated Plastic Doors Solid Plastic Doors Plastic Screen Doors Plastic Storm Doors Sliding Plastic Doors Bifolding Plastic Doors Composite Doors Fiberglass Doors Sliding Composite Doors
08 14 73 08 14 76 08 15 00 08 15 13 08 15 16 08 15 66 08 15 69 08 15 73 08 15 76 08 16 00 08 16 13 08 16 73 08 16 73	Sliding Wood Doors Bifolding Wood Doors Plastic Doors Laminated Plastic Doors Solid Plastic Doors Plastic Screen Doors Plastic Storm Doors Sliding Plastic Doors Bifolding Plastic Doors Fiberglass Doors Sliding Composite Doors Bifolding Composite Doors
08 14 73 08 14 76 08 15 00 08 15 13 08 15 16 08 15 66 08 15 69 08 15 73 08 15 76 08 16 00 08 16 13 08 16 73 08 16 73 08 16 76 08 17 00 08 17 13 08 17 23	Sliding Wood Doors Bifolding Wood Doors Plastic Doors Laminated Plastic Doors Solid Plastic Doors Plastic Screen Doors Plastic Storm Doors Sliding Plastic Doors Bifolding Plastic Doors Composite Doors Fiberglass Doors Sliding Composite Doors Bifolding Composite Doors Integrated Door Opening Assemblies Integrated Metal Door Opening Assemblies
08 14 73 08 14 76 08 15 00 08 15 13 08 15 16 08 15 66 08 15 69 08 15 73 08 15 76 08 16 00 08 16 13 08 16 73 08 16 73 08 16 76 08 17 00 08 17 13 08 17 23 08 17 33	Sliding Wood Doors Bifolding Wood Doors Plastic Doors Laminated Plastic Doors Solid Plastic Doors Plastic Screen Doors Plastic Storm Doors Sliding Plastic Doors Bifolding Plastic Doors Composite Doors Fiberglass Doors Sliding Composite Doors Bifolding Composite Doors Integrated Door Opening Assemblies Integrated Metal Door Opening Assemblies Integrated Plastic Door Opening Assemblies Integrated Plastic Door Opening Assemblies
08 14 73 08 14 76 08 15 00 08 15 13 08 15 16 08 15 66 08 15 69 08 15 73 08 15 76 08 16 00 08 16 13 08 16 73 08 16 73 08 16 76 08 17 00 08 17 13 08 17 23	Sliding Wood Doors Bifolding Wood Doors Plastic Doors Laminated Plastic Doors Solid Plastic Doors Plastic Screen Doors Plastic Storm Doors Sliding Plastic Doors Bifolding Plastic Doors Composite Doors Fiberglass Doors Sliding Composite Doors Bifolding Composite Doors Integrated Door Opening Assemblies Integrated Metal Door Opening Assemblies
08 14 73 08 14 76 08 15 00 08 15 13 08 15 16 08 15 66 08 15 69 08 15 73 08 15 76 08 16 00 08 16 13 08 16 73 08 16 73 08 16 76 08 17 00 08 17 13 08 17 23 08 17 33	Sliding Wood Doors Bifolding Wood Doors Plastic Doors Laminated Plastic Doors Solid Plastic Doors Plastic Screen Doors Plastic Storm Doors Sliding Plastic Doors Bifolding Plastic Doors Composite Doors Fiberglass Doors Sliding Composite Doors Bifolding Composite Doors Integrated Door Opening Assemblies Integrated Metal Door Opening Assemblies Integrated Plastic Door Opening Assemblies Integrated Plastic Door Opening Assemblies

08 31 00	Access Doors and Panels
08 31 13	Access Doors and Frames
08 31 13.53	Security Access Doors and Frames
08 31 16	Access Panels and Frames
08 32 00	Sliding Glass Doors
08 32 13	Sliding Aluminum-Framed Glass Doors
08 32 16	Sliding Plastic-Framed Glass Doors
08 32 19	Sliding Wood-Framed Glass Doors
08 33 00	Coiling Doors and Grilles
08 33 13	Coiling Counter Doors
08 33 16	Coiling Counter Grilles
08 33 23	Overhead Coiling Doors
08 33 23.13	Overhead Rapid Coiling Doors
08 33 26	Overhead Coiling Grilles
08 33 33	Side Coiling Doors
08 33 36	Side Coiling Grilles
08 33 43	Overhead Coiling Smoke Curtains
08 33 44	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 08 34 53	Neutron Shielding Doors and Frames Security Doors and Frames
08 34 55	Security Gates
08 34 58	File Room Doors and Frames
08 34 59	Vault Doors and Day Gates
08 34 63	Detention Doors and Frames
08 34 63.13	Steel Detention Doors and Frames
08 34 63.16	Steel Plate Detention Doors and Frames
08 34 63.33	Detention Door Frame Protection
08 34 73	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 08 35 16.13	Folding Grilles
	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
08 40 00	Entrances, Storefronts, and Curtain Walls
08 41 00	Entrances and Storefronts
08 41 13	Aluminum-Framed Entrances and Storefronts
08 41 13.13	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 42 00	Entrances
08 42 26	All-Glass Entrances
08 42 29 08 42 29.13	Automatic Entrances
08 42 29.13	Folding Automatic Entrances 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 08 44 26	Structural Sealant Glazed Curtain Walls Structural Glass Curtain Walls
08 44 26 08 44 26.19	Point Supported Structural Glass
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
	Fiberglass-Sandwich-Panel 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 08 51 66	Steel Windows 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	Wood Window Screens
08 52 69	Wood Storm Windows
08 53 00	Plastic Windows
08 53 13	Vinyl Windows
08 53 66	Vinyl Window Screens
08 53 69	Vinyl Storm Windows
08 54 00	Composite Windows
08 54 13	Fiberglass Windows
08 54 66	Fiberglass Window Screens
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 Service and Teller Window Units
08 56 59 08 56 63	Detention Windows
08 56 66	Detention Windows
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 13	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 08 63 19 08 63 23	Pyramidal Metal-Framed Skylights Vaulted Metal-Framed Skylights Ridge Metal-Framed Skylights
08 63 53	Motorized Metal-Framed Skylights
08 64 00	Plastic-Framed Skylights
08 67 00	Skylight Protection and Screens
08 70 00	Hardware
08 71 00	Door Hardware
08 71 13	Automatic Door Operators
08 71 53	Security Door Hardware
08 71 63	Detention Door Hardware
08 74 00	Access Control Hardware
08 74 13	Card Key Access Control Hardware
08 74 16	Keypad Access Control Hardware
08 74 19	Biometric Identity Access Control Hardware
08 75 00	Window Hardware
08 75 13	Automatic Window Equipment
08 75 16	Window Operators
08 78 00	Special Function Hardware
08 79 00	Hardware Accessories
08 79 13	Key Storage Equipment
08 80 00	Glazing
08 81 00	Glass Glazing
08 81 13	Decorative Glass Glazing
~~ ~~ ~~	Mirroro
08 83 00	Mirrors
08 83 00 08 83 13	
	Mirrored Glass Glazing Mirrored Plastic Glazing
08 83 13	Mirrored Glass Glazing Mirrored Plastic Glazing
08 83 13 08 83 16	Mirrored Glass Glazing
08 83 13 08 83 16 08 84 00	Mirrored Glass Glazing Mirrored Plastic Glazing Plastic Glazing
08 83 13 08 83 16 08 84 00 08 84 13	Mirrored Glass Glazing Mirrored Plastic Glazing Plastic Glazing Decorative Plastic Glazing Glazing Accessories
08 83 13 08 83 16 08 84 00 08 84 13 08 85 00 08 87 00	Mirrored Glass Glazing Mirrored Plastic Glazing Plastic Glazing Decorative Plastic Glazing
08 83 13 08 83 16 08 84 00 08 84 13 08 85 00	Mirrored Glass Glazing Mirrored Plastic Glazing Plastic Glazing Decorative Plastic Glazing Glazing Accessories Glazing Surface Films
08 83 13 08 83 16 08 84 00 08 84 13 08 85 00 08 87 00 08 87 13 08 87 23 08 87 23.13	Mirrored Glass Glazing Mirrored Plastic Glazing Plastic Glazing Decorative Plastic Glazing Glazing Accessories Glazing Surface Films Solar Control Films Safety and Security Films Safety Films
08 83 13 08 83 16 08 84 00 08 84 13 08 85 00 08 87 00 08 87 13 08 87 23 08 87 23.13 08 87 23.16	Mirrored Glass Glazing Mirrored Plastic Glazing Plastic Glazing Decorative Plastic Glazing Glazing Accessories Glazing Surface Films Solar Control Films Safety and Security Films Safety Films Security Films
08 83 13 08 83 16 08 84 00 08 84 13 08 85 00 08 87 00 08 87 00 08 87 23 08 87 23.13 08 87 23.16 08 87 26	Mirrored Glass Glazing Mirrored Plastic Glazing Plastic Glazing Decorative Plastic Glazing Glazing Accessories Glazing Surface Films Solar Control Films Safety and Security Films Safety Films Security Films Bird Control Film
08 83 13 08 83 16 08 84 00 08 84 13 08 85 00 08 87 00 08 87 13 08 87 23 08 87 23.13 08 87 23.16 08 87 26 08 87 33	Mirrored Glass Glazing Mirrored Plastic Glazing Plastic Glazing Decorative Plastic Glazing Glazing Accessories Glazing Surface Films Solar Control Films Safety and Security Films Safety Films Bird Control Film Decorative Films
08 83 13 08 83 16 08 84 00 08 84 13 08 85 00 08 87 00 08 87 00 08 87 23 08 87 23.13 08 87 23.16 08 87 23.16 08 87 26 08 87 33 08 88 00	Mirrored Glass Glazing Mirrored Plastic Glazing Plastic Glazing Decorative Plastic Glazing Glazing Accessories Glazing Surface Films Solar Control Films Safety and Security Films Safety Films Bird Control Film Decorative Films Special Function Glazing
08 83 13 08 83 16 08 84 00 08 84 13 08 85 00 08 87 00 08 87 00 08 87 23 08 87 23.13 08 87 23.13 08 87 23.16 08 87 26 08 87 33 08 88 00 08 88 13	Mirrored Glass Glazing Mirrored Plastic Glazing Plastic Glazing Decorative Plastic Glazing Glazing Accessories Glazing Surface Films Solar Control Films Safety and Security Films Safety Films Security Films Bird Control Film Decorative Films Special Function Glazing Fire-Resistant Glazing
08 83 13 08 83 16 08 84 00 08 84 13 08 85 00 08 87 00 08 87 00 08 87 23 08 87 23 08 87 23.13 08 87 23.16 08 87 23.16 08 87 23 08 87 33 08 88 00 08 88 13 08 88 19	Mirrored Glass Glazing Mirrored Plastic Glazing Plastic Glazing Decorative Plastic Glazing Glazing Accessories Glazing Surface Films Solar Control Films Safety and Security Films Safety Films Bird Control Film Decorative Films Special Function Glazing Fire-Resistant Glazing Hurricane-Resistant Glazing
08 83 13 08 83 16 08 84 00 08 84 13 08 85 00 08 87 00 08 87 00 08 87 23 08 87 23.13 08 87 23.13 08 87 23.16 08 87 26 08 87 33 08 88 00 08 88 13	Mirrored Glass Glazing Mirrored Plastic Glazing Plastic Glazing Decorative Plastic Glazing Glazing Accessories Glazing Surface Films Solar Control Films Safety and Security Films Safety Films Security Films Bird Control Film Decorative Films Special Function Glazing Fire-Resistant Glazing
08 83 13 08 83 16 08 84 00 08 84 13 08 85 00 08 87 00 08 87 13 08 87 23 08 87 23.13 08 87 23.13 08 87 23.16 08 87 23.16 08 87 33 08 88 00 08 88 13 08 88 19 08 88 23	Mirrored Glass Glazing Mirrored Plastic Glazing Plastic Glazing Decorative Plastic Glazing Glazing Accessories Glazing Surface Films Solar Control Films Safety and Security Films Safety Films Bird Control Film Decorative Films Special Function Glazing Fire-Resistant Glazing Hurricane-Resistant Glazing Cable Suspended Glazing Transparent Mirrored Glazing Switchable Glass
08 83 13 08 83 16 08 84 00 08 84 13 08 85 00 08 87 00 08 87 00 08 87 23 08 87 23 08 87 23.13 08 87 23.16 08 87 23.16 08 87 23 08 87 23.16 08 87 23 08 87 33 08 88 13 08 88 33 08 88 33 08 88 36 08 88 36	Mirrored Glass Glazing Mirrored Plastic Glazing Plastic Glazing Decorative Plastic Glazing Glazing Accessories Glazing Surface Films Solar Control Films Safety and Security Films Safety and Security Films Safety Films Bird Control Film Decorative Films Special Function Glazing Fire-Resistant Glazing Hurricane-Resistant Glazing Cable Suspended Glazing Transparent Mirrored Glazing Switchable Glass Electronically Controlled Switchable Glass
08 83 13 08 83 16 08 84 00 08 84 13 08 85 00 08 87 00 08 87 00 08 87 23 08 87 23.13 08 87 23.13 08 87 23.16 08 87 26 08 87 33 08 88 00 08 88 13 08 88 19 08 88 23 08 88 33 08 88 36	Mirrored Glass Glazing Mirrored Plastic Glazing Plastic Glazing Decorative Plastic Glazing Glazing Accessories Glazing Surface Films Solar Control Films Safety and Security Films Safety Films Bird Control Film Decorative Films Special Function Glazing Fire-Resistant Glazing Hurricane-Resistant Glazing Cable Suspended Glazing Transparent Mirrored Glazing Switchable Glass

08 88 53 08 88 56	Security Glazing Ballistics-Resistant Glazing
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 **Maintenance of Finishes** 09 01 00 09 01 20 Maintenance of Plaster and Gypsum Board 09 01 20.91 Plaster Restoration Maintenance of Tiling 09 01 30 09 01 30.91 **Tile Restoration** Maintenance of Ceilings 09 01 50 Ceiling Restoration 09 01 50.91 Maintenance of Flooring 09 01 60 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 Maintenance Repainting 09 01 90.52 **Maintenance Coatings** 09 01 90.53 09 01 90.61 Repainting Paint Restoration 09 01 90.91 Coating Restoration 09 01 90.92 Paint Preservation 09 01 90.93 Conservation Treatment of Period Finishes 09 03 00 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 **Conservation Treatment for Period Suspended Ceilings** 09 03 51 **Conservation Treatment for Textured Ceilings** 09 03 56 Conservation Treatment for Period Metal-Panel Textured Ceilings 09 03 56.16 **Conservation Treatment for Period Flooring** 09 03 60 Conservation Treatment for Period Masonry Flooring 09 03 63 09 03 63.13 Conservation Treatment for Period Brick Flooring 09 03 63.40 Conservation Treatment for Period Stone Flooring **Conservation Treatment for Period Wood Flooring** 09 03 64 Conservation Treatment for Period Wood Strip and Plank Flooring 09 03 64.29 Conservation Treatment for Period Resilient Flooring 09 03 65 09 03 65.16 Conservation Treatment for Period Resilient Sheet Flooring 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** Conservation Treatment for Period Painting and Coating 09 03 90 **Conservation Treatment for Period Painted Surfaces** 09 03 91 Conservation Treatment for Period Exterior Painting 09 03 91.13 Conservation Treatment for Period Interior Painting 09 03 91.23 09 05 00 Common Work Results for Finishes 09 05 05 Selective Demolition for Finishes 09 05 13 **Common Finishes** Common Work Results for Flooring Preparation 09 05 61 Moisture Vapor Emission Control 09 05 61.13 Acoustic Underlayment 09 05 71

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 09 06 90	Schedules for Acoustical Treatment
09 06 90.13	Schedules for Painting and Coating Paint Schedule
09 08 00	Commissioning of Finishes
09 20 00	Plaster and Gypsum Board
09 21 00	Plaster and Gypsum Board Assemblies
09 21 13	Plaster Assemblies
09 21 16	Gypsum Board Assemblies
09 21 16.23	Gypsum Board Shaft Wall Assemblies
09 21 16.33	Gypsum Board Area Separation Wall Assemblies
09 22 00	Supports for Plaster and Gypsum Board
09 22 13	Metal Furring
09 22 13.13	Metal Channel Furring
09 22 13.23 09 22 16	Resilient Channel Furring Non-Structural Metal Framing
09 22 16.13	Non-Structural Metal Stud Framing
09 22 26	Suspension Systems
09 22 26.23	Metal Suspension Systems
09 22 26.33	Plastic Suspension Systems
09 22 36	Lath
09 22 36.13	Gypsum Lath
09 22 36.23	Metal Lath
09 22 39	Veneer Plaster Base
09 23 00	Gypsum Plastering
09 23 13	Acoustical Gypsum Plastering
09 23 82	Fireproof Gypsum Plastering
09 24 00	Cement Plastering
09 24 13	Adobe Finish
09 24 23	Cement Stucco
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 09 28 19	Glass-Mat Faced Gypsum Backing Boards 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 09 30 19	Quarry Tiling 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 09 31 19	Thin-Set Quarry Tiling
09 31 23	Thin-Set Paver Tiling 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 16 09 32 19	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling
09 32 16 09 32 19 09 32 23	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling
09 32 16 09 32 19 09 32 23 09 32 26	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling
09 32 16 09 32 19 09 32 23 09 32 26 09 32 29	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling
09 32 16 09 32 19 09 32 23 09 32 26	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling
09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling
09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling
09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36 09 33 00 09 33 13 09 33 16	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling
09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36 09 33 00 09 33 13 09 33 16 09 33 19	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Paver Tiling
09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36 09 33 00 09 33 13 09 33 16 09 33 19 09 33 23	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Glass Mosaic Tiling
$\begin{array}{c} 09 \ 32 \ 16 \\ 09 \ 32 \ 19 \\ 09 \ 32 \ 23 \\ 09 \ 32 \ 26 \\ 09 \ 32 \ 29 \\ 09 \ 32 \ 33 \\ 09 \ 32 \ 36 \\ \textbf{09 \ 32 \ 36} \\ \textbf{09 \ 33 \ 13} \\ 09 \ 33 \ 16 \\ 09 \ 33 \ 19 \\ 09 \ 33 \ 23 \\ 09 \ 33 \ 26 \\ \end{array}$	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Glass Mosaic Tiling Conductive Plastic Tiling
$\begin{array}{c} 09 \ 32 \ 16 \\ 09 \ 32 \ 19 \\ 09 \ 32 \ 23 \\ 09 \ 32 \ 26 \\ 09 \ 32 \ 29 \\ 09 \ 32 \ 33 \\ 09 \ 32 \ 36 \\ \textbf{09 \ 33 \ 13} \\ 09 \ 33 \ 16 \\ 09 \ 33 \ 19 \\ 09 \ 33 \ 23 \\ 09 \ 33 \ 26 \\ 09 \ 33 \ 29 \\ \end{array}$	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Glass Mosaic Tiling Conductive Plastic Tiling Conductive Metal Tiling
$\begin{array}{c} 09 \ 32 \ 16 \\ 09 \ 32 \ 19 \\ 09 \ 32 \ 23 \\ 09 \ 32 \ 26 \\ 09 \ 32 \ 29 \\ 09 \ 32 \ 33 \\ 09 \ 32 \ 36 \\ \textbf{09 \ 33 \ 13} \\ 09 \ 33 \ 16 \\ 09 \ 33 \ 19 \\ 09 \ 33 \ 23 \\ 09 \ 33 \ 26 \\ 09 \ 33 \ 29 \\ 09 \ 33 \ 33 \end{array}$	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Glass Mosaic Tiling Conductive Plastic Tiling Conductive Metal Tiling Conductive Stone Tiling
$\begin{array}{c} 09 \ 32 \ 16 \\ 09 \ 32 \ 19 \\ 09 \ 32 \ 23 \\ 09 \ 32 \ 26 \\ 09 \ 32 \ 29 \\ 09 \ 32 \ 33 \\ 09 \ 32 \ 36 \end{array}$ $\begin{array}{c} 09 \ 32 \ 33 \\ 09 \ 33 \ 13 \\ 09 \ 33 \ 16 \\ 09 \ 33 \ 19 \\ 09 \ 33 \ 23 \\ 09 \ 33 \ 26 \\ 09 \ 33 \ 29 \\ 09 \ 33 \ 33 \\ 09 \ 33 \ 36 \end{array}$	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Glass Mosaic Tiling Conductive Plastic Tiling Conductive Metal Tiling Conductive Stone Tiling Conductive Stone Tiling
09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36 09 33 00 09 33 13 09 33 16 09 33 19 09 33 23 09 33 26 09 33 29 09 33 33 09 33 36 09 34 00	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Plastic Tiling Conductive Plastic Tiling Conductive Metal Tiling Conductive Stone Tiling Conductive Stone Tiling Waterproofing-Membrane Tiling
$\begin{array}{c} 09 \ 32 \ 16 \\ 09 \ 32 \ 19 \\ 09 \ 32 \ 23 \\ 09 \ 32 \ 26 \\ 09 \ 32 \ 29 \\ 09 \ 32 \ 33 \\ 09 \ 32 \ 36 \end{array}$ $\begin{array}{c} 09 \ 32 \ 33 \\ 09 \ 33 \ 13 \\ 09 \ 33 \ 16 \\ 09 \ 33 \ 19 \\ 09 \ 33 \ 23 \\ 09 \ 33 \ 26 \\ 09 \ 33 \ 29 \\ 09 \ 33 \ 33 \\ 09 \ 33 \ 36 \end{array}$	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Glass Mosaic Tiling Conductive Plastic Tiling Conductive Plastic Tiling Conductive Metal Tiling Conductive Stone Tiling Waterproofing-Membrane Tiling Waterproofing-Membrane Ceramic Tiling
09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36 09 33 00 09 33 13 09 33 16 09 33 19 09 33 23 09 33 23 09 33 26 09 33 29 09 33 33 09 33 36 09 34 00 09 34 13	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Plastic Tiling Conductive Plastic Tiling Conductive Metal Tiling Conductive Stone Tiling Conductive Stone Tiling Waterproofing-Membrane Tiling
$\begin{array}{c} 09 \ 32 \ 16 \\ 09 \ 32 \ 19 \\ 09 \ 32 \ 23 \\ 09 \ 32 \ 26 \\ 09 \ 32 \ 29 \\ 09 \ 32 \ 33 \\ 09 \ 32 \ 36 \\ \textbf{09 \ 33 \ 10} \\ 09 \ 33 \ 16 \\ 09 \ 33 \ 16 \\ 09 \ 33 \ 16 \\ 09 \ 33 \ 23 \\ 09 \ 33 \ 26 \\ 09 \ 33 \ 29 \\ 09 \ 33 \ 29 \\ 09 \ 33 \ 29 \\ 09 \ 33 \ 36 \\ \textbf{09 \ 34 \ 10} \\ 09 \ 34 \ 13 \\ 09 \ 34 \ 16 \\ 09 \ 34 \ 19 \\ 09 \ 34 \ 23 \\ \end{array}$	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Plastic Tiling Conductive Plastic Tiling Conductive Metal Tiling Conductive Stone Tiling Conductive Stone Tiling Waterproofing-Membrane Ceramic Tiling Waterproofing-Membrane Quarry Tiling Waterproofing-Membrane Paver Tiling Waterproofing-Membrane Paver Tiling Waterproofing-Membrane Calass Mosaic Tiling
$\begin{array}{c} 09 \ 32 \ 16 \\ 09 \ 32 \ 19 \\ 09 \ 32 \ 23 \\ 09 \ 32 \ 26 \\ 09 \ 32 \ 29 \\ 09 \ 32 \ 33 \\ 09 \ 32 \ 36 \\ \textbf{09 \ 33 \ 00} \\ 09 \ 33 \ 16 \\ 09 \ 33 \ 16 \\ 09 \ 33 \ 16 \\ 09 \ 33 \ 16 \\ 09 \ 33 \ 23 \\ 09 \ 33 \ 26 \\ 09 \ 33 \ 29 \\ 09 \ 33 \ 26 \\ 09 \ 33 \ 29 \\ 09 \ 33 \ 36 \\ \textbf{09 \ 33 \ 36} \\ \textbf{09 \ 34 \ 13} \\ 09 \ 34 \ 13 \\ 09 \ 34 \ 16 \\ 09 \ 34 \ 19 \\ \end{array}$	Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Glass Mosaic Tiling Conductive Plastic Tiling Conductive Plastic Tiling Conductive Metal Tiling Conductive Stone Tiling Conductive Stone Tiling Waterproofing-Membrane Ceramic Tiling Waterproofing-Membrane Quarry Tiling Waterproofing-Membrane Paver 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
09 51 00	Acoustical Ceilings
09 51 13	Acoustical Panel Ceilings
09 51 14	Acoustical Fabric-Faced Panel Ceilings
09 51 23	Acoustical Tile Ceilings
09 51 26	Acoustical Wood Ceilings
09 51 33	Acoustical Metal Pan Ceilings
09 51 33.13	Acoustical Snap-in Metal Pan Ceilings
09 51 53	Direct-Applied Acoustical Ceilings
09 53 00	Acoustical Ceiling Suspension Assemblies
09 53 13	Curved Profile Ceiling Suspension Assemblies
09 53 23	Metal Acoustical Ceiling Suspension Assemblies
09 53 33	Plastic Acoustical Ceiling Suspension Assemblies
09 54 00	Specialty Ceilings
09 54 13	Open Metal Mesh Ceilings
09 54 13 09 54 16	Open Metal Mesh Ceilings Luminous Ceilings
09 54 13 09 54 16 09 54 19	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings
09 54 13 09 54 16 09 54 19 09 54 23	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43 09 54 43	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels
$\begin{array}{c} 09 \ 54 \ 13 \\ 09 \ 54 \ 16 \\ 09 \ 54 \ 19 \\ 09 \ 54 \ 23 \\ 09 \ 54 \ 26 \\ 09 \ 54 \ 33 \\ 09 \ 54 \ 36 \\ 09 \ 54 \ 43 \\ 09 \ 54 \ 46 \\ 09 \ 54 \ 53 \end{array}$	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 36 09 54 43 09 54 43 09 54 53 09 56 00	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings Textured Ceilings
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43 09 54 43 09 54 43 09 54 53 09 56 00 09 56 13	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings Textured Ceilings Gypsum-Panel Textured Ceilings
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 36 09 54 43 09 54 43 09 54 53 09 56 00 09 56 13 09 56 16	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43 09 54 43 09 54 43 09 54 53 09 56 00 09 56 13	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 33 09 54 43 09 54 43 09 54 53 09 56 00 09 56 13 09 56 16 09 57 00	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 33 09 54 46 09 54 43 09 54 53 09 56 00 09 56 13 09 56 16 09 57 00 09 57 53 09 58 00	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings Security Ceiling Assemblies Integrated Ceiling Assemblies
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 33 09 54 43 09 54 43 09 54 53 09 56 00 09 56 13 09 56 16 09 57 00 09 57 53 09 58 00 09 60 00	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings Security Ceiling Assemblies Integrated Ceiling Assemblies Flooring
$\begin{array}{c} 09 \ 54 \ 13 \\ 09 \ 54 \ 16 \\ 09 \ 54 \ 19 \\ 09 \ 54 \ 23 \\ 09 \ 54 \ 26 \\ 09 \ 54 \ 26 \\ 09 \ 54 \ 33 \\ 09 \ 54 \ 36 \\ 09 \ 54 \ 43 \\ 09 \ 54 \ 43 \\ 09 \ 54 \ 45 \\ 09 \ 54 \ 53 \\ \textbf{09 \ 54 \ 53 } \\ \textbf{09 \ 56 \ 13 } \\ 09 \ 56 \ 13 \\ 09 \ 56 \ 16 \\ \textbf{09 \ 57 \ 00} \\ 09 \ 57 \ 53 \\ \textbf{09 \ 58 \ 00} \\ \textbf{09 \ 58 \ 00} \\ \textbf{09 \ 60 \ 00} \\ \textbf{09 \ 61 \ 00} \\ \textbf{09 \ 61 \ 00} \\ \textbf{09 \ 61 \ 00} \end{array}$	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings Special Function Ceilings Security Ceiling Assemblies Integrated Ceiling Assemblies Flooring Treatment
$\begin{array}{c} 09 \ 54 \ 13 \\ 09 \ 54 \ 16 \\ 09 \ 54 \ 19 \\ 09 \ 54 \ 23 \\ 09 \ 54 \ 23 \\ 09 \ 54 \ 26 \\ 09 \ 54 \ 33 \\ 09 \ 54 \ 36 \\ 09 \ 54 \ 43 \\ 09 \ 54 \ 43 \\ 09 \ 54 \ 53 \\ \textbf{09 \ 54 \ 53 } \\ \textbf{09 \ 54 \ 53 } \\ \textbf{09 \ 56 \ 10 } \\ 09 \ 56 \ 13 \\ 09 \ 56 \ 16 \\ \textbf{09 \ 57 \ 00 } \\ 09 \ 57 \ 53 \\ \textbf{09 \ 58 \ 00 } \\ \textbf{09 \ 57 \ 53 } \\ \textbf{09 \ 58 \ 00 } \\ \textbf{09 \ 60 \ 00 } \\ \textbf{09 \ 61 \ 00 } \\ \textbf{09 \ 61 \ 13 } \\ 09 \ 61 \ 13 \end{array}$	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings Special Function Ceilings Security Ceiling Assemblies Integrated Ceiling Assemblies Flooring Treatment Slip-Resistant Flooring Treatment
$\begin{array}{c} 09 \ 54 \ 13 \\ 09 \ 54 \ 16 \\ 09 \ 54 \ 19 \\ 09 \ 54 \ 23 \\ 09 \ 54 \ 23 \\ 09 \ 54 \ 26 \\ 09 \ 54 \ 33 \\ 09 \ 54 \ 36 \\ 09 \ 54 \ 36 \\ 09 \ 54 \ 43 \\ 09 \ 54 \ 43 \\ 09 \ 54 \ 53 \\ \textbf{09 \ 54 \ 53 } \\ \textbf{09 \ 56 \ 10 } \\ 09 \ 56 \ 16 \\ \textbf{09 \ 57 \ 00 } \\ 09 \ 57 \ 53 \\ \textbf{09 \ 58 \ 00 } \\ \textbf{09 \ 58 \ 00 } \\ \textbf{09 \ 61 \ 13 } \\ \textbf{09 \ 61 \ 13 } \\ 09 \ 61 \ 19 \\ \end{array}$	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings Special Function Ceilings Security Ceiling Assemblies Integrated Ceiling Assemblies Flooring Treatment Slip-Resistant Flooring Treatment Concrete Floor Staining
$\begin{array}{c} 09 \ 54 \ 13 \\ 09 \ 54 \ 16 \\ 09 \ 54 \ 19 \\ 09 \ 54 \ 23 \\ 09 \ 54 \ 23 \\ 09 \ 54 \ 26 \\ 09 \ 54 \ 33 \\ 09 \ 54 \ 36 \\ 09 \ 54 \ 43 \\ 09 \ 54 \ 43 \\ 09 \ 54 \ 53 \\ \textbf{09 \ 54 \ 53 } \\ \textbf{09 \ 54 \ 53 } \\ \textbf{09 \ 56 \ 10 } \\ 09 \ 56 \ 13 \\ 09 \ 56 \ 16 \\ \textbf{09 \ 57 \ 00 } \\ 09 \ 57 \ 53 \\ \textbf{09 \ 58 \ 00 } \\ \textbf{09 \ 57 \ 53 } \\ \textbf{09 \ 58 \ 00 } \\ \textbf{09 \ 60 \ 00 } \\ \textbf{09 \ 61 \ 00 } \\ \textbf{09 \ 61 \ 13 } \\ 09 \ 61 \ 13 \end{array}$	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings Special Function Ceilings Security Ceiling Assemblies Integrated Ceiling Assemblies Flooring Treatment Slip-Resistant Flooring Treatment

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	0
09 62 63.10	0
09 62 83	Structural Glass Flooring
09 63 00	Masonry Flooring
09 63 13	Brick Flooring
09 63 13.3	6
09 63 40	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 23	Wood Parquet Flooring
09 64 23.13	, , , , , , , , , , , , , , , , , , , ,
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	
09 65 13.23	
09 65 13.20 09 65 13.33	
09 65 13.3	
09 65 16	Resilient Sheet Flooring
09 65 16.23	
09 65 16.3	
09 65 16.43	3 PVC-Free Sheet Flooring
09 65 19	Resilient Tile Flooring
09 65 19.19	
09 65 19.23	, ,
09 65 19.3 09 65 19.4	•
09 65 33	Conductive Resilient Flooring
09 65 36	Static-Control Resilient Flooring
09 65 36.13	U U U U U U U U U U U U U U U U U U U
09 65 36.10	
09 65 43	Linoleum Flooring
09 65 66	Resilient Athletic Flooring
09 66 00	Terrazzo Flooring
09 66 13	Portland Cement Terrazzo Flooring
09 66 13.1	

09 66 13.16	Monolithic Terrazzo Flooring
09 66 13.19	Bonded Terrazzo Flooring
09 66 13.23 09 66 13.26	Palladina Terrazzo Flooring 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 09 67 19	Epoxy-Marble Chip Flooring Magnesium-Oxychloride Flooring
09 67 23	Resinous Flooring
09 67 26	Quartz Flooring
09 67 66	Fluid-Applied Athletic Flooring
09 68 00	Carpeting
09 68 13	Tile Carpeting
09 68 16	Sheet Carpeting
09 69 00	Access Flooring
09 69 00 09 69 13	Access Flooring Rigid-Grid Access Flooring
09 69 00	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring
09 69 00 09 69 13 09 69 16	Access Flooring Rigid-Grid Access Flooring
09 69 00 09 69 13 09 69 16 09 69 19 09 69 33 09 69 53	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring Stringerless Access Flooring
09 69 00 09 69 13 09 69 16 09 69 19 09 69 33	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring Stringerless Access Flooring Low-Profile Fixed Height Access Flooring
09 69 00 09 69 13 09 69 16 09 69 19 09 69 33 09 69 53	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring Stringerless Access Flooring Low-Profile Fixed Height Access Flooring Access Flooring Accessories
09 69 00 09 69 13 09 69 16 09 69 19 09 69 33 09 69 53 09 69 56 09 70 00	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring Stringerless Access Flooring Low-Profile Fixed Height Access Flooring Access Flooring Accessories Access Flooring Stairs and Stringers Wall Finishes
09 69 00 09 69 13 09 69 16 09 69 19 09 69 33 09 69 53 09 69 56 09 70 00 09 72 00	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring Stringerless Access Flooring Low-Profile Fixed Height Access Flooring Access Flooring Accessories Access Flooring Stairs and Stringers Wall Finishes Wall Coverings
09 69 00 09 69 13 09 69 16 09 69 33 09 69 53 09 69 56 09 70 00 09 72 00 09 72 13	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring Stringerless Access Flooring Low-Profile Fixed Height Access Flooring Access Flooring Accessories Access Flooring Stairs and Stringers Wall Finishes Wall Coverings Cork Wall Coverings
09 69 00 09 69 13 09 69 16 09 69 19 09 69 33 09 69 53 09 69 56 09 70 00 09 72 00 09 72 13 09 72 16 09 72 16.13	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring Stringerless Access Flooring Low-Profile Fixed Height Access Flooring Access Flooring Accessories Access Flooring Stairs and Stringers Wall Finishes Wall Coverings Cork Wall Coverings Vinyl-Coated Fabric Wall Coverings Flexible Vinyl Wall Coverings
$\begin{array}{c} \textbf{09 69 00} \\ 09 69 13 \\ 09 69 16 \\ 09 69 19 \\ 09 69 33 \\ 09 69 53 \\ 09 69 56 \\ \textbf{09 70 00} \\ \textbf{09 72 00} \\ 09 72 13 \\ 09 72 16 \\ 09 72 16.13 \\ 09 72 16.13 \\ 09 72 16.16 \\ \end{array}$	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring Stringerless Access Flooring Low-Profile Fixed Height Access Flooring Access Flooring Accessories Access Flooring Stairs and Stringers Wall Finishes Wall Coverings Cork Wall Coverings Vinyl-Coated Fabric Wall Coverings Flexible Vinyl Wall Coverings Rigid-Sheet Vinyl Wall Coverings
$\begin{array}{c} \textbf{09 69 00} \\ 09 69 13 \\ 09 69 16 \\ 09 69 19 \\ 09 69 33 \\ 09 69 53 \\ 09 69 53 \\ 09 69 56 \end{array}$ $\begin{array}{c} \textbf{09 70 00} \\ \textbf{09 72 00} \\ 09 72 13 \\ 09 72 16 \\ 09 72 16.13 \\ 09 72 19 \end{array}$	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring Stringerless Access Flooring Low-Profile Fixed Height Access Flooring Access Flooring Accessories Access Flooring Stairs and Stringers Wall Finishes Wall Coverings Cork Wall Coverings Vinyl-Coated Fabric Wall Coverings Flexible Vinyl Wall Coverings Rigid-Sheet Vinyl Wall Coverings Textile Wall Coverings
$\begin{array}{c} \textbf{09 69 00} \\ 09 69 13 \\ 09 69 16 \\ 09 69 19 \\ 09 69 33 \\ 09 69 53 \\ 09 69 56 \end{array}$ $\begin{array}{c} \textbf{09 70 00} \\ \textbf{09 72 00} \\ 09 72 13 \\ 09 72 16 \\ 09 72 16 \\ 13 \\ 09 72 16 \\ 09 72 19 \\ 09 72 23 \end{array}$	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring Stringerless Access Flooring Low-Profile Fixed Height Access Flooring Access Flooring Accessories Access Flooring Stairs and Stringers Wall Finishes Wall Coverings Cork Wall Coverings Vinyl-Coated Fabric Wall Coverings Flexible Vinyl Wall Coverings Rigid-Sheet Vinyl Wall Coverings Textile Wall Coverings Wallpapering
09 69 00 09 69 13 09 69 16 09 69 19 09 69 33 09 69 53 09 69 56 09 70 00 09 72 00 09 72 13 09 72 16 09 72 16.13 09 72 16.13 09 72 19 09 72 23 09 73 00	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring Stringerless Access Flooring Low-Profile Fixed Height Access Flooring Access Flooring Accessories Access Flooring Stairs and Stringers Wall Finishes Wall Coverings Cork Wall Coverings Vinyl-Coated Fabric Wall Coverings Flexible Vinyl Wall Coverings Rigid-Sheet Vinyl Wall Coverings Textile Wall Coverings Wallpapering Wall Carpeting
09 69 00 09 69 13 09 69 16 09 69 19 09 69 33 09 69 53 09 69 56 09 70 00 09 72 00 09 72 13 09 72 16 09 72 16.13 09 72 16.13 09 72 19 09 72 23 09 73 00 09 74 00	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring Stringerless Access Flooring Low-Profile Fixed Height Access Flooring Access Flooring Accessories Access Flooring Stairs and Stringers Wall Finishes Wall Coverings Cork Wall Coverings Vinyl-Coated Fabric Wall Coverings Flexible Vinyl Wall Coverings Rigid-Sheet Vinyl Wall Coverings Textile Wall Coverings Wallpapering
09 69 00 09 69 13 09 69 16 09 69 19 09 69 33 09 69 53 09 69 56 09 70 00 09 72 00 09 72 13 09 72 16 09 72 16.13 09 72 16.16 09 72 19 09 72 23 09 73 00 09 74 13	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring Stringerless Access Flooring Low-Profile Fixed Height Access Flooring Access Flooring Accessories Access Flooring Stairs and Stringers Wall Finishes Wall Coverings Cork Wall Coverings 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
09 69 00 09 69 13 09 69 16 09 69 19 09 69 33 09 69 53 09 69 56 09 70 00 09 72 00 09 72 13 09 72 16 09 72 16.13 09 72 16.13 09 72 19 09 72 23 09 73 00 09 74 13 09 74 13 09 74 16	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring Stringerless Access Flooring Low-Profile Fixed Height Access Flooring Access Flooring Accessories Access Flooring Stairs and Stringers Wall Finishes Wall Coverings Cork Wall Coverings 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
09 69 00 09 69 13 09 69 16 09 69 19 09 69 33 09 69 53 09 69 56 09 70 00 09 72 00 09 72 13 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	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring Stringerless Access Flooring Low-Profile Fixed Height Access Flooring Access Flooring Accessories Access Flooring Stairs and Stringers Wall Coverings Cork Wall Coverings 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
09 69 00 09 69 13 09 69 16 09 69 19 09 69 33 09 69 53 09 69 56 09 70 00 09 72 00 09 72 13 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	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring Stringerless Access Flooring Low-Profile Fixed Height Access Flooring Access Flooring Accessories Access Flooring Stairs and Stringers Wall Finishes Wall Coverings Cork Wall Coverings Cork Wall Coverings Rigid-Sheet Vinyl Wall Coverings Flexible Vinyl Wall Coverings Textile Wall Coverings Wallpapering Wall Carpeting Flexible Wood Sheets Wood Wall Coverings Flexible Wood Veneers Stone Facing Stone Wall Facing
09 69 00 09 69 13 09 69 16 09 69 19 09 69 33 09 69 53 09 69 56 09 70 00 09 72 00 09 72 13 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	Access Flooring Rigid-Grid Access Flooring Snap-on Stringer Access Flooring Stringerless Access Flooring Low-Profile Fixed Height Access Flooring Access Flooring Accessories Access Flooring Stairs and Stringers Wall Coverings Cork Wall Coverings 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

09	76 00	Plastic Blocks
09	77 00	Special Wall Surfacing
	09 77 13	Stretched-Fabric Wall Systems
	09 77 23	Fabric-Wrapped Panels
	09 77 33	Terrazzo Wall Finish
	09 77 53	Vegetated Wall Systems
09	78 00	Interior Wall Paneling
	09 78 13	Metal Interior Wall Paneling
	09 78 16	Stone-Faced 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	Acoustic Wall Coating
	09 83 16	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	Fixed Sound-Reflective Panels
	09 84 23	Moveable Sound-Absorptive Panels
	09 84 26	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	Exterior Painting
	09 91 23	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 09 93 23.13	Interior Staining and Finishing Interior Staining
	09 93 23.13	Interior Stanling
09	94 00	Decorative Finishing
	09 94 13	Textured Finishing
	09 94 16	Faux Finishing
	09 94 19	Multicolor Interior Finishing
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
03 37 00	opecial coatings
09 97 13	Steel Coatings
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09 97 13	Steel Coatings Interior Steel Coatings Exterior Steel Coatings
09 97 13 09 97 13.13 09 97 13.23 09 97 23	Steel Coatings Interior Steel Coatings
09 97 13 09 97 13.13 09 97 13.23 09 97 23 09 97 26	Steel Coatings Interior Steel Coatings Exterior Steel Coatings Concrete and Masonry Coatings Cementitious Coatings
09 97 13 09 97 13.13 09 97 13.23 09 97 23	Steel Coatings Interior Steel Coatings Exterior Steel Coatings Concrete and Masonry Coatings

09 97 26.23Exterior Cementitious Coatings09 97 35Dry Erase Coatings

Specialties 10 00 00 **Operation and Maintenance of Specialties** 10 01 00 Operation and Maintenance of Information Specialties 10 01 10 10 01 20 Operation and Maintenance of Interior Specialties 10 01 30 Operation and Maintenance of Fireplaces and Stoves Operation and Maintenance of Safety Specialties 10 01 40 10 01 50 **Operation and Maintenance of Storage Specialties** 10 01 70 **Operation and Maintenance of Exterior Specialties** 10 01 80 **Operation and Maintenance of Other Specialties** 10 05 00 Common Work Results for Specialties Selective Demolition for Specialties 10 05 05 10 06 00 Schedules for Specialties Schedules for Information Specialties 10 06 10 10 06 10.13 **Exterior Signage Schedule** Interior Signage Schedule 10 06 10.16 10 06 20 Schedules for Interior Specialties 10 06 20.13 Toilet, Bath, and Laundry Accessory Schedule 10 06 30 Schedules for Fireplaces and Stoves Schedules for Safety Specialties 10 06 40 10 06 50 Schedules for Storage Specialties 10 06 70 Schedules for Exterior Specialties Schedules for Other Specialties 10 06 80 10 08 00 Commissioning of Specialties 10 10 00 Information Specialties 10 11 00 **Visual Display Units** 10 11 13 Chalkboards 10 11 13.13 **Fixed Chalkboards** 10 11 13.23 Modular-Support-Mounted Chalkboards 10 11 13.33 **Rail-Mounted Chalkboards** Portable Chalkboards 10 11 13.43 10 11 16 Markerboards 10 11 16.13 **Fixed Markerboards** 10 11 16.23 Modular-Support-Mounted Markerboards 10 11 16.33 **Rail-Mounted Markerboards** 10 11 16.43 Portable Markerboards 10 11 16.53 **Electronic Markerboards** 10 11 23 Tackboards 10 11 23.13 **Fixed Tackboards** Modular-Support-Mounted Tackboards 10 11 23.23 Rail-Mounted Tackboards 10 11 23.33 10 11 23.43 Portable Tackboards 10 11 33 Sliding Visual Display Units 10 11 33.13 Horizontal-Sliding Visual Display Units 10 11 33.23 Vertical-Sliding Visual Display Units 10 11 36 Visual Display Conference Units 10 11 39 Visual Display Rails 10 11 43 Visual Display Wall Panels 10 11 46 Visual Display Fabrics

10 12 00 Display Cases

40 42 00	
10 13 00	Directories
10 13 13	Electronic Directories
10 13 23	Illuminated Directories
10 14 00	Signage
10 14 16	Plaques
10 14 19	Dimensional Letter Signage
10 14 23	Panel Signage
10 14 23.13	Engraved Panel Signage
10 14 26	Post and Panel/Pylon Signage
10 14 33	Illuminated Panel Signage
10 14 43 10 14 53	Photoluminescent Signage
10 14 53.13	Traffic Signage Transportation Reference Markers
10 14 63	Electronic Message Signage
10 14 64	Audible Signage
10 14 66	Floating Signage
10 14 67	Tactile Signage
10 17 00	Telephone Specialties
10 17 13	Telephone Directory Units
10 17 16	Telephone Enclosures
10 17 16.13	Telephone Stalls
10 17 16.16	Telephone Alcoves
10 17 19	Telephone Shelving
10 18 00	Informational Kiosks
10 20 00	Interior Specialties
10 21 00	Compartments and Cubicles
10 21 00 10 21 13	Compartments and Cubicles Toilet Compartments
10 21 00 10 21 13 10 21 13.13	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments
10 21 00 10 21 13 10 21 13.13 10 21 13.16	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments
10 21 00 10 21 13 10 21 13.13 10 21 13.16 10 21 13.19	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments
10 21 00 10 21 13 10 21 13.13 10 21 13.16 10 21 13.19 10 21 13.23	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments
10 21 00 10 21 13 10 21 13.13 10 21 13.16 10 21 13.19	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments
10 21 00 10 21 13 10 21 13.13 10 21 13.16 10 21 13.19 10 21 13.23 10 21 13.40	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments
10 21 00 10 21 13 10 21 13.13 10 21 13.16 10 21 13.19 10 21 13.23 10 21 13.40 10 21 16 10 21 16.13 10 21 16.16	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments
10 21 00 10 21 13 10 21 13.13 10 21 13.16 10 21 13.19 10 21 13.23 10 21 13.40 10 21 16.13 10 21 16.13 10 21 16.16 10 21 16.19	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments
10 21 00 10 21 13 10 21 13.13 10 21 13.16 10 21 13.19 10 21 13.23 10 21 13.40 10 21 16.13 10 21 16.13 10 21 16.16 10 21 16.19 10 21 16.23	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Plastic Shower and Dressing Compartments Particleboard Shower and Dressing Compartments
$\begin{array}{c} \textbf{10 21 00} \\ \textbf{10 21 13} \\ \textbf{10 21 13.13} \\ \textbf{10 21 13.16} \\ \textbf{10 21 13.19} \\ \textbf{10 21 13.23} \\ \textbf{10 21 13.23} \\ \textbf{10 21 13.40} \\ \textbf{10 21 16} \\ \textbf{10 21 16.13} \\ \textbf{10 21 16.16} \\ \textbf{10 21 16.19} \\ \textbf{10 21 16.23} \\ \textbf{10 21 16.40} \end{array}$	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Plastic Shower and Dressing Compartments Particleboard Shower and Dressing Compartments Stone Shower and Dressing Compartments
$\begin{array}{c} \textbf{10 21 00} \\ \textbf{10 21 13} \\ \textbf{10 21 13.13} \\ \textbf{10 21 13.16} \\ \textbf{10 21 13.19} \\ \textbf{10 21 13.23} \\ \textbf{10 21 13.23} \\ \textbf{10 21 13.40} \\ \textbf{10 21 16.13} \\ \textbf{10 21 16.13} \\ \textbf{10 21 16.16} \\ \textbf{10 21 16.19} \\ \textbf{10 21 16.23} \\ \textbf{10 21 16.40} \\ \textbf{10 21 23} \end{array}$	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Plastic Shower and Dressing Compartments Stone Shower and Dressing Compartments Stone Shower and Dressing Compartments Cubicle Curtains and Track
$\begin{array}{c} \textbf{10 21 00} \\ \textbf{10 21 13} \\ \textbf{10 21 13.13} \\ \textbf{10 21 13.16} \\ \textbf{10 21 13.19} \\ \textbf{10 21 13.23} \\ \textbf{10 21 13.23} \\ \textbf{10 21 13.40} \\ \textbf{10 21 16} \\ \textbf{10 21 16.13} \\ \textbf{10 21 16.16} \\ \textbf{10 21 16.19} \\ \textbf{10 21 16.23} \\ \textbf{10 21 16.40} \end{array}$	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Plastic Shower and Dressing Compartments Stone Shower and Dressing Compartments Stone Shower and Dressing Compartments Cubicle Curtains and Track Cubicle Curtains
$\begin{array}{c} \textbf{10 21 00} \\ \textbf{10 21 13} \\ \textbf{10 21 13.13} \\ \textbf{10 21 13.16} \\ \textbf{10 21 13.19} \\ \textbf{10 21 13.23} \\ \textbf{10 21 13.23} \\ \textbf{10 21 13.40} \\ \textbf{10 21 16.13} \\ \textbf{10 21 16.13} \\ \textbf{10 21 16.16} \\ \textbf{10 21 16.19} \\ \textbf{10 21 16.23} \\ \textbf{10 21 16.40} \\ \textbf{10 21 23} \\ \textbf{10 21 23.13} \end{array}$	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Plastic Shower and Dressing Compartments Stone Shower and Dressing Compartments Stone Shower and Dressing Compartments Cubicle Curtains and Track
$\begin{array}{c} \textbf{10 21 00} \\ \textbf{10 21 13} \\ \textbf{10 21 13.13} \\ \textbf{10 21 13.16} \\ \textbf{10 21 13.19} \\ \textbf{10 21 13.23} \\ \textbf{10 21 13.23} \\ \textbf{10 21 13.40} \\ \textbf{10 21 16.13} \\ \textbf{10 21 16.13} \\ \textbf{10 21 16.16} \\ \textbf{10 21 16.19} \\ \textbf{10 21 16.23} \\ \textbf{10 21 16.40} \\ \textbf{10 21 23.13} \\ \textbf{10 21 23.16} \\ \textbf{10 21 26} \end{array}$	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Plastic Shower and Dressing Compartments Stone Shower and Dressing Compartments Stone Shower and Dressing Compartments Cubicle Curtains and Track Cubicle Track and Hardware Room Darkening Curtains and Tracks
$\begin{array}{c} \textbf{10 21 00} \\ \textbf{10 21 13} \\ \textbf{10 21 13.13} \\ \textbf{10 21 13.16} \\ \textbf{10 21 13.19} \\ \textbf{10 21 13.23} \\ \textbf{10 21 13.23} \\ \textbf{10 21 13.40} \\ \textbf{10 21 16.13} \\ \textbf{10 21 16.13} \\ \textbf{10 21 16.16} \\ \textbf{10 21 16.19} \\ \textbf{10 21 16.23} \\ \textbf{10 21 16.40} \\ \textbf{10 21 23.13} \\ \textbf{10 21 23.13} \\ \textbf{10 21 23.16} \end{array}$	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Plastic Shower and Dressing Compartments Stone Shower and Dressing Compartments Cubicle Curtains and Track Cubicle Curtains Cubicle Track and Hardware
10 21 00 10 21 13 10 21 13.13 10 21 13.16 10 21 13.19 10 21 13.23 10 21 13.23 10 21 13.40 10 21 16.13 10 21 16.16 10 21 16.19 10 21 16.23 10 21 16.40 10 21 23.13 10 21 23.16 10 21 26 10 22 00	Compartments and CubiclesToilet CompartmentsMetal Toilet CompartmentsPlastic-Laminate-Clad Toilet CompartmentsPlastic Toilet CompartmentsParticleboard Toilet CompartmentsStone Toilet CompartmentsShower and Dressing CompartmentsMetal Shower and Dressing CompartmentsPlastic-Laminate-Clad Shower and Dressing CompartmentsPlastic-Laminate-Clad Shower and Dressing CompartmentsPlastic Shower and Dressing CompartmentsPlastic Shower and Dressing CompartmentsStone Shower and Dressing CompartmentsCubicle Curtains and TrackCubicle CurtainsCubicle Track and HardwareRoom Darkening Curtains and TracksPartitionsWire Mesh Partitions
$\begin{array}{c} \textbf{10 21 00} \\ 10 21 13 \\ 10 21 13.13 \\ 10 21 13.16 \\ 10 21 13.19 \\ 10 21 13.23 \\ 10 21 13.23 \\ 10 21 13.40 \\ 10 21 16.13 \\ 10 21 16.13 \\ 10 21 16.16 \\ 10 21 16.19 \\ 10 21 16.23 \\ 10 21 23.13 \\ 10 21 23.13 \\ 10 21 23.16 \\ 10 21 26 \end{array}$	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Plastic Shower and Dressing Compartments Stone Shower and Dressing Compartments Stone Shower and Dressing Compartments Cubicle Curtains and Track Cubicle Curtains Cubicle Track and Hardware Room Darkening Curtains and Tracks Partitions Wire Mesh Partitions Expanded Metal Partitions
$\begin{array}{c} \textbf{10 21 00} \\ 10 21 13 \\ 10 21 13.13 \\ 10 21 13.16 \\ 10 21 13.19 \\ 10 21 13.23 \\ 10 21 13.23 \\ 10 21 13.40 \\ 10 21 16.13 \\ 10 21 16.16 \\ 10 21 16.16 \\ 10 21 16.19 \\ 10 21 16.23 \\ 10 21 16.23 \\ 10 21 23.13 \\ 10 21 23.13 \\ 10 21 23.16 \\ 10 21 26 \end{array}$	Compartments and CubiclesToilet CompartmentsMetal Toilet CompartmentsPlastic-Laminate-Clad Toilet CompartmentsPlastic Toilet CompartmentsParticleboard Toilet CompartmentsStone Toilet CompartmentsShower and Dressing CompartmentsMetal Shower and Dressing CompartmentsPlastic-Laminate-Clad Shower and Dressing CompartmentsPlastic-Laminate-Clad Shower and Dressing CompartmentsPlastic Shower and Dressing CompartmentsPlastic Shower and Dressing CompartmentsStone Shower and Dressing CompartmentsCubicle Curtains and TrackCubicle CurtainsCubicle Track and HardwareRoom Darkening Curtains and TracksPartitionsWire Mesh Partitions
$\begin{array}{c} \textbf{10 21 00} \\ 10 21 13 \\ 10 21 13.13 \\ 10 21 13.16 \\ 10 21 13.19 \\ 10 21 13.23 \\ 10 21 13.23 \\ 10 21 13.40 \\ 10 21 16.13 \\ 10 21 16.13 \\ 10 21 16.16 \\ 10 21 16.19 \\ 10 21 16.23 \\ 10 21 16.40 \\ 10 21 23 \\ 10 21 23.13 \\ 10 21 23.16 \\ 10 21 26 \end{array}$	Compartments and CubiclesToilet CompartmentsMetal Toilet CompartmentsPlastic-Laminate-Clad Toilet CompartmentsPlastic Toilet CompartmentsParticleboard Toilet CompartmentsStone Toilet CompartmentsShower and Dressing CompartmentsMetal Shower and Dressing CompartmentsPlastic-Laminate-Clad Shower and Dressing CompartmentsPlastic-Laminate-Clad Shower and Dressing CompartmentsPlastic Shower and Dressing CompartmentsPlastic Shower and Dressing CompartmentsPlastic Shower and Dressing CompartmentsStone Shower and Dressing CompartmentsCubicle Curtains and TrackCubicle CurtainsCubicle Track and HardwareRoom Darkening Curtains and TracksPartitionsExpanded Metal PartitionsExpanded Metal PartitionsFolding Gates
$\begin{array}{c} \textbf{10 21 00} \\ 10 21 13 \\ 10 21 13.13 \\ 10 21 13.16 \\ 10 21 13.19 \\ 10 21 13.23 \\ 10 21 13.23 \\ 10 21 13.40 \\ 10 21 16.13 \\ 10 21 16.13 \\ 10 21 16.16 \\ 10 21 16.19 \\ 10 21 16.23 \\ 10 21 16.40 \\ 10 21 23.13 \\ 10 21 23.16 \\ 10 21 23.16 \\ 10 21 26 \end{array}$	Compartments and CubiclesToilet CompartmentsMetal Toilet CompartmentsPlastic-Laminate-Clad Toilet CompartmentsPlastic Toilet CompartmentsParticleboard Toilet CompartmentsStone Toilet CompartmentsShower and Dressing CompartmentsMetal Shower and Dressing CompartmentsPlastic-Laminate-Clad Shower and Dressing CompartmentsPlastic-Laminate-Clad Shower and Dressing CompartmentsPlastic Shower and Dressing CompartmentsPlastic Shower and Dressing CompartmentsPlastic Shower and Dressing CompartmentsStone Shower and Dressing CompartmentsCubicle Curtains and TrackCubicle CurtainsCubicle Track and HardwareRoom Darkening Curtains and TracksPartitionsExpanded Metal PartitionsFolding GatesDemountable Partitions

10 22 19.33 Demountable Plastic Partitions

	10 22 19.43 10 22 19.53	Demountable Composite Partitions
	10 22 19.55	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 43	Sliding Partitions
10 2	25 00	Service Walls
	10 25 13	Patient Bed Service Walls
	10 25 16	Modular Service Walls
10 2	26 00	Wall and Door Protection
	10 26 13	Corner Guards
	10 26 16	Bumper Guards
	10 26 16.13	Bumper Rails
	10 26 16.16	Protective Corridor Handrails
	10 26 23	Protective Wall Covering
	10 26 23.13 10 26 23.16	Impact Resistant Wall Protection Fiberglass Reinforced Protective Wall Covering
	10 26 33	Door and Frame Protection
	10 26 41	Bullet Resistant Panels
10 2	28 00	Toilet, Bath, and Laundry Accessories
	10 28 13	Toilet Accessories
	10 28 13.13	
	10 28 13.19	
	10 28 13.53	Security Toilet Accessories
	10 28 13.63	Detention Toilet Accessories
	10 28 16	Bath Accessories
	10 28 16.13	
	10 28 19 10 28 19.16	Tub and Shower Enclosures Shower Doors
	10 28 19.19	Tub Doors
	10 28 23	Laundry Accessories
	10 28 23.13	Built-In Ironing Boards
	10 28 23.16	Clothes Drying Racks
10	30 00	Fireplaces and Stoves
103	31 00	Manufactured Fireplaces
	10 31 13	Manufactured Fireplace Chimneys
	10 31 16	Manufactured Fireplace Forms
103	32 00	Fireplace Specialties
	10 32 13	Fireplace Dampers
	10 32 16	Fireplace Inserts
	10 32 19	Fireplace Screens
	10 32 23	Fireplace Doors
	10 32 26	Fireplace Water Heaters
10 3		Stover

10 35 00 Stoves

- Heating Stoves Cooking Stoves 10 35 13
- 10 35 23

10 40 00	Safety Specialties
10 41 00	Emergency Access and Information Cabinets
10 41 13	Fire Department Plan Cabinets
10 41 16	Emergency Key Cabinets
10 43 00	Emergency Aid Specialties
10 43 13	Defibrillator Cabinets
10 43 16	First Aid Cabinets
10 43 21	Accessibility Evacuation Chairs
10 43 31	Respiration Equipment
10 43 33	Breathing Air Replenishment Systems
10 44 00	Fire Protection Specialties
10 44 13	Fire Protection Cabinets
10 44 13.53	Security Fire Extinguisher Cabinets
10 44 16	Fire Extinguishers
10 44 16.13	Portable Fire Extinguishers
10 44 16.16	Wheeled Fire Extinguisher Units
10 44 19	Fire Blankets
10 44 43	Fire Extinguisher Accessories
10 45 00	Photoluminescent Exit Specialties
10 50 00	Storage Specialties
10 51 00	Lockers
10 51 13	Metal Lockers
10 51 16	Wood Lockers
10 51 23	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	Mail Collection Boxes
10 55 19	Receiving Boxes
10 55 23	Mail Boxes
10 55 23.13 10 55 23.16	Apartment Mail Boxes Mail Box Directories
10 55 23.10	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	Metal Storage Shelving
10 56 13.13	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	Captilever Metal Storage Shelving

Cantilever Metal Storage Shelving 10 56 13.23

$\begin{array}{c} 10 \ 56 \ 16 \\ 10 \ 56 \ 17 \\ 10 \ 56 \ 19 \\ 10 \ 56 \ 19.13 \\ 10 \ 56 \ 23 \\ 10 \ 56 \ 26 \\ 10 \ 56 \ 26 \\ 10 \ 56 \ 26.13 \\ 10 \ 56 \ 26.13 \\ 10 \ 56 \ 29.13 \\ 10 \ 56 \ 29.16 \\ 10 \ 56 \ 29.16 \\ 10 \ 56 \ 29.23 \\ 10 \ 56 \ 29.26 \\ 10 \ 56 \ 29.29 \\ 10 \ 56 \ 29.29 \\ 10 \ 56 \ 29.23 \\ 10 \ 56 \ 29.23 \\ 10 \ 56 \ 29.23 \\ 10 \ 56 \ 29.23 \\ 10 \ 56 \ 29.23 \\ 10 \ 56 \ 29.33 \\ 10 \ 56 \ 29.43 \\ 10 \ 56 \ 33 \end{array}$	Fabricated Wood Storage Shelving Wall-Mounted Standards and Shelving Plastic Storage Shelving Recycled Plastic Storage Shelving Wire Storage Shelving Mobile Storage Shelving Manual Mobile Storage Shelving Motorized Mobile Storage Shelving Storage Racks Flow Storage Racks Pallet Storage Racks Movable-Shelf Storage Racks Stacker Storage Racks Cantilever Storage Racks Drive-In Storage Racks Wine Storage Racks Wine Storage Racks Morable Shelf Storage Racks Morable-Shelf Storage Racks Drive-In Storage Racks Mine Storage Racks Mercantile Storage Assemblies
10 57 00	Wardrobe and Closet Specialties
10 57 13 10 57 16 10 57 23 10 57 23.13 10 57 23.16 10 57 23.19 10 57 33 10 57 36 10 57 36.13 10 57 36.16	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
10 73 00	Protective Covers
10 73 13 10 73 16 10 73 23 10 73 26 10 73 33 10 73 43	Awnings Canopies Car Shelters Walkway Coverings Marquees Transportation Stop Shelters

10 74 00	Manufactured Exterior Specialt
10 74 13	Exterior Clocks
10 74 23	Cupolas
10 74 26	Spires
10 74 29	Steeples
10 74 33	Weathervanes
10 74 43	Below-Grade Egress Assemblies
10 74 46	Window Wells
10 75 00	Flagpoles
10 75 13	Automatic Flagpoles
10 75 16	Ground-Set Flagpoles
10 75 19	Nautical Flagpoles
10 75 23	Wall-Mounted Flagpoles
10 80 00	Other Specialties
10 81 00	Pest Control Devices
10 81 13	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	Exterior Sound Screens
10 82 23	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	Exterior Gas Lighting
10 84 16	Interior Gas Lighting
10 86 00	Security Mirrors and Domes
10 88 00	Scales
	ocales

10 74 00 Manufactured Exterior Specialties

Equipment 11 00 00 **Operation and Maintenance of Equipment** 11 01 00 Operation and Maintenance of Vehicle and Pedestrian Equipment 11 01 10 11 01 20 **Operation and Maintenance of Commercial Equipment** 11 01 30 **Operation and Maintenance of Residential Equipment** Operation and Maintenance of Foodservice Equipment 11 01 40 11 01 50 Operation and Maintenance of Educational and Scientific Equipment 11 01 56 Operation and Maintenance of Observatory Equipment Operation and Maintenance of Entertainment and Recreation Equipment 11 01 60 Operation and Maintenance of Healthcare Equipment 11 01 70 Operation and Maintenance of Facility Maintenance and Operation 11 01 80 Equipment 11 01 90 Operation and Maintenance of Other Equipment 11 05 00 Common Work Results for Equipment Selective Demolition for Equipment 11 05 05 11 05 13 Common Motor Requirements for Equipment 11 06 00 Schedules for Equipment Schedules for Vehicle and Pedestrian Equipment 11 06 10 11 06 20 Schedules for Commercial Equipment 11 06 30 Schedules for Residential Equipment 11 06 40 Schedules for Foodservice Equipment 11 06 40.13 Foodservice Equipment Schedule Schedules for Educational and Scientific Equipment 11 06 50 11 06 60 Schedules for Entertainment and Recreation Equipment 11 06 70 Schedules for Healthcare Equipment Healthcare Equipment Schedule 11 06 70.13 11 06 80 Schedules for Facility Maintenance and Operation Equipment 11 06 90 Schedules for Other Equipment **Commissioning of Equipment** 11 08 00 Vehicle and Pedestrian Equipment 11 10 00 11 11 00 Vehicle Service Equipment Compressed-Air Vehicle Service Equipment 11 11 13 11 11 19 Vehicle Lubrication Equipment 11 11 23 **Tire-Changing Equipment** 11 11 26 Vehicle-Washing Equipment 11 11 36 Vehicle Charging Equipment 11 12 00 Parking Control Equipment 11 12 13 Parking Key and Card Control Units 11 12 16 Parking Ticket Dispensers 11 12 23 **Parking Meters** 11 12 26 Parking Fee Collection Equipment Parking Fee Coin Collection Equipment 11 12 26.13 11 12 33 Parking Gates Lift Arm Parking Gates 11 12 33.13 Sliding Parking Gates 11 12 33.16 11 12 33.19 Swinging Parking Gates 11 13 00 Loading Dock Equipment 11 13 13

Loading Dock Bumpers

- 11 13 16 Loading Dock Seals and Shelters
- 11 13 16.13 Loading Dock Seals
- Loading Dock Shelters 11 13 16.23
- 11 13 16.33 Loading Dock Rail Shelters
- 11 13 19 Stationary Loading Dock Equipment
- 11 13 19.13 Loading Dock Levelers
- 11 13 19.23 Stationary Loading Dock Lifts
- Loading Dock Truck Lifts 11 13 19.26
- 11 13 19.33 Loading Dock Truck Restraints
- 11 13 23 Portable Dock Equipment
- Portable Dock Lifts 11 13 23.13
- 11 13 23.16 Portable Dock Ramps
- 11 13 23.19 Portable Dock Bridges
- Portable Dock Platforms 11 13 23.23
- 11 13 26 Loading Dock Lights

11 14 00

Pedestrian Control Equipment

- 11 14 13 Pedestrian Gates
- 11 14 13.13 Portable Posts and Railings
- 11 14 13.16 Rotary Gates
- 11 14 13.19 Turnstiles
- 11 14 26
- Pedestrian Fare Collection Equipment Pedestrian Coin Fare Collection Equipment 11 14 26.13
- 11 14 43 Pedestrian Detection Equipment
- 11 14 43.13
- **Electronic Detection and Counting Systems** 11 14 53 Pedestrian Security Equipment
- 11 20 00

Commercial Equipment **Retail and Service Equipment**

11 21 00

- Cash Registers and Checking Equipment
- 11 21 13 11 21 23 Vending Equipment
- 11 21 23.13 Merchandise Vending Machines
- 11 21 23.16 **Reverse Vending Machines**
- 11 21 23.19 Video Rental Vending Machines
- 11 21 23.36 **Token Vending Machines**
- 11 21 24 Money Changing Machines
- 11 21 33 **Checkroom Equipment**
- Weighing and Wrapping Equipment 11 21 43
- 11 21 53 Barber and Beauty Shop Equipment
- 11 21 63 **Refrigerated Display Equipment**
- Commercial Laundry and Dry Cleaning Equipment 11 21 73
- **Dry Cleaning Equipment** 11 21 73.13
- Drying and Conditioning Equipment 11 21 73.16
- 11 21 73.19 Finishing Equipment
- **Commercial Ironing Equipment** 11 21 73.23
- 11 21 73.26 **Commercial Washers and Extractors**
- 11 21 73.33 **Coin-Operated Laundry Equipment**
- 11 21 73.43 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 Safes
- 11 22 13.23 Vault Ventilators

11 22 13.26	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	Money Handling Equipment
11 22 16.23	Money Depositories
11 22 16.26 11 22 16.29	Money Cart Pass-Through Package Transfer Units
11 22 16.29	Deal Trays
11 25 00	
11 25 13	Hospitality Equipment Registration Equipment
11 28 00	Office Equipment
11 28 13	• •
11 28 16	Computers Printers
11 28 23	
	Copiers
11 29 00	Postal, Packaging, and Shipping Equipment
11 29 23	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	Residential Laundry Appliances
11 30 33	Retractable Stairs
11 30 34	Residential Ceiling Fans
44 00 00	Unit Kitchens
11 32 00	Unit Kitchens
11 32 00 11 32 13	Metal Unit Kitchens
11 32 13	Metal Unit Kitchens
11 32 13 11 32 16	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens
11 32 13 11 32 16 11 32 19 11 40 00	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment
11 32 13 11 32 16 11 32 19 11 40 00 11 41 00	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment Foodservice Storage Equipment
11 32 13 11 32 16 11 32 19 11 40 00 11 41 00 11 41 13	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment Foodservice Storage Equipment Refrigerated Food Storage Cases
11 32 13 11 32 16 11 32 19 11 40 00 11 41 00 11 41 13 11 41 23	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment Foodservice Storage Equipment Refrigerated Food Storage Cases Walk-In Coolers
11 32 13 11 32 16 11 32 19 11 40 00 11 41 00 11 41 13	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment Foodservice Storage Equipment Refrigerated Food Storage Cases
11 32 13 11 32 16 11 32 19 11 40 00 11 41 00 11 41 13 11 41 23 11 41 26	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment Foodservice Storage Equipment Refrigerated Food Storage Cases Walk-In Coolers Walk-In Freezers Foodservice Shelving
$\begin{array}{c} 11 \ 32 \ 13 \\ 11 \ 32 \ 16 \\ 11 \ 32 \ 19 \end{array}$	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment Foodservice Storage Equipment Refrigerated Food Storage Cases Walk-In Coolers Walk-In Freezers Foodservice Shelving Food Preparation Equipment
$\begin{array}{c} 11 \ 32 \ 13 \\ 11 \ 32 \ 16 \\ 11 \ 32 \ 19 \end{array}$	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment Foodservice Storage Equipment Refrigerated Food Storage Cases Walk-In Coolers Walk-In Freezers Foodservice Shelving Food Preparation Equipment Food Preparation Appliances
$\begin{array}{c} 11 \ 32 \ 13 \\ 11 \ 32 \ 16 \\ 11 \ 32 \ 19 \end{array} \\ \begin{array}{c} \textbf{11 \ 40 \ 00} \\ \textbf{11 \ 41 \ 00} \\ 11 \ 41 \ 00 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 26 \\ 11 \ 41 \ 33 \end{array} \\ \begin{array}{c} \textbf{11 \ 41 \ 23} \\ \textbf{11 \ 41 \ 26} \\ 11 \ 41 \ 33 \end{array} \\ \begin{array}{c} \textbf{11 \ 42 \ 00} \\ 11 \ 42 \ 13 \\ 11 \ 42 \ 16 \end{array} \end{array}$	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment Foodservice Storage Equipment Refrigerated Food Storage Cases Walk-In Coolers Walk-In Freezers Foodservice Shelving Food Preparation Equipment Food Preparation Appliances Food Preparation Surfaces
$\begin{array}{c} 11 \ 32 \ 13 \\ 11 \ 32 \ 16 \\ 11 \ 32 \ 19 \end{array}$	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment Foodservice Storage Equipment Refrigerated Food Storage Cases Walk-In Coolers Walk-In Freezers Foodservice Shelving Food Preparation Equipment Food Preparation Appliances Food Preparation Surfaces Food Delivery Carts and Conveyors
$\begin{array}{c} 11 \ 32 \ 13 \\ 11 \ 32 \ 16 \\ 11 \ 32 \ 19 \end{array}$	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment Foodservice Storage Equipment Refrigerated Food Storage Cases Walk-In Coolers Walk-In Freezers Foodservice Shelving Food Preparation Equipment Food Preparation Appliances Food Preparation Surfaces Food Delivery Carts and Conveyors Food Delivery Carts
$\begin{array}{c} 11 \ 32 \ 13 \\ 11 \ 32 \ 16 \\ 11 \ 32 \ 19 \end{array} \\ \begin{array}{c} \textbf{11 \ 40 \ 00} \\ \textbf{11 \ 41 \ 00} \\ \textbf{11 \ 41 \ 00} \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 42 \ 13 \\ 11 \ 42 \ 16 \\ \textbf{11 \ 43 \ 00} \\ 11 \ 43 \ 13 \\ 11 \ 43 \ 16 \end{array}$	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment Foodservice Storage Equipment Refrigerated Food Storage Cases Walk-In Coolers Walk-In Coolers Walk-In Freezers Foodservice Shelving Food Preparation Equipment Food Preparation Appliances Food Preparation Surfaces Food Delivery Carts and Conveyors Food Delivery Conveyors
$\begin{array}{c} 11 \ 32 \ 13 \\ 11 \ 32 \ 16 \\ 11 \ 32 \ 19 \end{array} \\ \begin{array}{c} \textbf{11 \ 40 \ 00} \\ \textbf{11 \ 41 \ 00} \\ \textbf{11 \ 41 \ 00} \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 42 \ 16 \\ \textbf{11 \ 42 \ 16} \\ \textbf{11 \ 43 \ 00} \\ 11 \ 43 \ 13 \\ 11 \ 43 \ 16 \\ \textbf{11 \ 44 \ 00} \end{array}$	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment Foodservice Storage Equipment Refrigerated Food Storage Cases Walk-In Coolers Walk-In Freezers Foodservice Shelving Food Preparation Equipment Food Preparation Appliances Food Preparation Surfaces Food Delivery Carts and Conveyors Food Delivery Carts Food Delivery Conveyors Food Cooking Equipment
$\begin{array}{c} 11 \ 32 \ 13 \\ 11 \ 32 \ 16 \\ 11 \ 32 \ 19 \end{array} \\ \begin{array}{c} \textbf{11 \ 40 \ 00} \\ \textbf{11 \ 41 \ 00} \\ \textbf{11 \ 41 \ 00} \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 42 \ 16 \\ \textbf{11 \ 42 \ 16} \\ \textbf{11 \ 43 \ 13} \\ 11 \ 43 \ 16 \\ \textbf{11 \ 44 \ 00} \\ 11 \ 44 \ 13 \end{array}$	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment Foodservice Storage Equipment Refrigerated Food Storage Cases Walk-In Coolers Walk-In Freezers Foodservice Shelving Food Preparation Equipment Food Preparation Appliances Food Preparation Surfaces Food Delivery Carts and Conveyors Food Delivery Carts Food Delivery Conveyors Food Delivery Conveyors Food Cooking Equipment Commercial Ranges
$\begin{array}{c} 11 \ 32 \ 13 \\ 11 \ 32 \ 16 \\ 11 \ 32 \ 19 \end{array} \\ \begin{array}{c} \textbf{11 \ 40 \ 00} \\ \textbf{11 \ 41 \ 00} \\ \textbf{11 \ 41 \ 00} \\ 11 \ 41 \ 00 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 42 \ 13 \\ 11 \ 42 \ 16 \\ \textbf{11 \ 43 \ 13} \\ 11 \ 43 \ 16 \\ \textbf{11 \ 43 \ 16} \\ \textbf{11 \ 44 \ 00} \\ 11 \ 44 \ 13 \\ 11 \ 44 \ 16 \end{array}$	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment Foodservice Storage Equipment Refrigerated Food Storage Cases Walk-In Coolers Walk-In Coolers Walk-In Freezers Foodservice Shelving Food Preparation Equipment Food Preparation Appliances Food Preparation Surfaces Food Delivery Carts and Conveyors Food Delivery Conveyors Food Delivery Conveyors Food Cooking Equipment Commercial Ranges Commercial Ovens
$\begin{array}{c} 11 \ 32 \ 13 \\ 11 \ 32 \ 16 \\ 11 \ 32 \ 19 \end{array} \\ \begin{array}{c} \textbf{11 \ 40 \ 00} \\ \textbf{11 \ 41 \ 00} \\ 11 \ 41 \ 00 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 42 \ 16 \\ \textbf{11 \ 42 \ 16} \\ \textbf{11 \ 43 \ 10} \\ 11 \ 43 \ 16 \\ \textbf{11 \ 44 \ 00} \\ 11 \ 44 \ 13 \\ 11 \ 44 \ 16 \\ \textbf{11 \ 46 \ 00} \end{array}$	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment Foodservice Storage Equipment Refrigerated Food Storage Cases Walk-In Coolers Walk-In Coolers Walk-In Freezers Foodservice Shelving Food Preparation Equipment Food Preparation Appliances Food Preparation Surfaces Food Delivery Carts and Conveyors Food Delivery Carts Food Delivery Conveyors Food Delivery Conveyors Food Cooking Equipment Commercial Ranges Commercial Ovens
$\begin{array}{c} 11 \ 32 \ 13 \\ 11 \ 32 \ 16 \\ 11 \ 32 \ 19 \end{array}$	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment Foodservice Storage Equipment Refrigerated Food Storage Cases Walk-In Coolers Walk-In Freezers Foodservice Shelving Food Preparation Equipment Food Preparation Appliances Food Preparation Surfaces Food Delivery Carts and Conveyors Food Delivery Carts Food Delivery Conveyors Food Delivery Conveyors Food Cooking Equipment Commercial Ranges Commercial Ovens Food Dispensing Equipment Bar Equipment
$\begin{array}{c} 11 \ 32 \ 13 \\ 11 \ 32 \ 16 \\ 11 \ 32 \ 19 \end{array} \\ \begin{array}{c} \textbf{11 \ 40 \ 00} \\ \textbf{11 \ 41 \ 00} \\ 11 \ 41 \ 00 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 41 \ 23 \\ 11 \ 42 \ 16 \\ \textbf{11 \ 42 \ 16} \\ \textbf{11 \ 43 \ 10} \\ 11 \ 43 \ 16 \\ \textbf{11 \ 44 \ 00} \\ 11 \ 44 \ 13 \\ 11 \ 44 \ 16 \\ \textbf{11 \ 46 \ 00} \end{array}$	Metal Unit Kitchens Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens Foodservice Equipment Foodservice Storage Equipment Refrigerated Food Storage Cases Walk-In Coolers Walk-In Coolers Walk-In Freezers Foodservice Shelving Food Preparation Equipment Food Preparation Appliances Food Preparation Surfaces Food Delivery Carts and Conveyors Food Delivery Carts Food Delivery Conveyors Food Delivery Conveyors Food Cooking Equipment Commercial Ranges Commercial Ovens

11 46 23	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	Book Theft Protection Equipment
11 51 23 11 51 23.13	Library Stack Systems Metal Library Shelving
11 52 00	Audio-Visual Equipment
11 52 13	Projection Screens
11 52 13.13	Fixed Projection Screens
11 52 13.16	Portable Projection Screens
11 52 13.19	Rear Projection Screens
11 52 16	Projectors Mavia Braiastara
11 52 16.13 11 52 16.16	Movie Projectors Slide Projectors
11 52 16.19	Overhead Projectors
11 52 16.23	Opaque Projectors
11 52 16.26	Video Projectors
11 52 19 11 52 23	Players and Recorders
11 53 00	Audio-Visual Equipment Supports
11 53 13	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 11 53 29	Laboratory Freezers
11 53 29	Laboratory Controlled-Environment Cabinets Emergency Safety Appliances
11 53 43	Service Fittings and Accessories
11 53 53	Biological Safety Cabinets
11 55 00	Planetarium Equipment
11 55 13	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	Lighting Rigging Systems
11 61 33.16	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	Exercise Equipment
11 66 23	Gymnasium Equipment
11 66 23.13 11 66 23.23	Basketball Equipment
11 66 23.33	Volleyball Equipment Interior Tennis Equipment
11 66 23.43	Interior Track and Field Equipment
11 66 23.53	Wall Padding
11 66 23.56	Mat Storage
11 66 43	Interior Scoreboards
11 66 53	Gymnasium Dividers
11 66 53.13	Batting/Golf Cages
11 67 00	Recreational Equipment
11 67 13	Bowling Alley Equipment
11 67 23	Shooting Range Equipment
11 67 33	Climbing Walls
11 67 43	Table Games Equipment
11 67 43.13	Pool Tables
11 67 43.23	Ping-Pong Tables
11 67 53	Game Room Equipment
11 67 53.13	Video Games
11 67 53.23	Pinball Machines
11 68 00	Play Field Equipment and Structures
11 68 13	Playground Equipment
11 68 16	Play Structures
11 68 23	Exterior Court Athletic Equipment
11 68 23.13	Exterior Basketball Equipment
11 68 23.23	Exterior Volleyball Equipment
11 68 23.33	Tennis Equipment
11 68 33	Athletic Field Equipment
11 68 33.13	Football Field Equipment
11 68 33.23	Soccer and Field Hockey Equipment
11 68 33.33	Baseball Field Equipment
11 68 33.43	Track and Field Equipment
11 68 43	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
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11 72 53	Treatment Equipment
11 73 00	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	Mortuary Refrigerators
11 78 16	Crematorium Equipment
11 78 19	Mortuary Lifts
11 79 00	Therapy Equipment
11 80 00	Facility Maintenance and Operation
	Equipment
11 81 00	Facility Maintenance Equipment
11 81 13	Floor and Wall Cleaning Equipment
11 81 16	Housekeeping Carts
11 81 19	Vacuum Cleaning Systems
11 81 23 11 81 23.13	Façade Access Equipment
11 81 29	Window Washing Systems Facility Fall Protection
11 82 00	Facility Solid Waste Handling Equipment
11 82 13	Solid Waste Bins
11 82 19	Packaged Incinerators
11 82 23	Recycling Equipment
11 82 26	Facility Waste Compactors
11 82 29	Composting Equipment
11 82 33 11 82 36	Facility Waste Shredders Facility Waste Balers
11 90 00	Other Equipment
11 91 00	
11 91 13	Religious Equipment Baptisteries
11 92 00	Agricultural Equipment
11 92 13	Milkers
11 92 16	Stock Feeders
11 92 19	Stock Waterers
11 92 23	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	Potting Machines
11 93 26	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	Security Equipment
11 97 13	Deal Drawers
11 97 16	Gun Ports
11 97 23	Valuable Material Storage
11 98 00	Detention Equipment
11 98 13	Detention Pass-Through Doors
11 98 16	Detention Gun Lockers
11 98 19	Detention Room Padding

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 12 06 20.13	Schedules for Window Treatments Window Treatment Schedule
12 06 20.13	Schedules for Casework
12 06 30.13	Manufactured Casework Schedule
12 06 40	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
4 5 00 00	Commissioning of Lurnishings
12 08 00	Commissioning of Furnishings
12 08 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 00 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 00 12 12 13 12 12 16 12 12 19	Art 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	Art 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 00 12 12 13 12 12 16 12 12 23 12 12 26	Art 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 00 12 12 13 12 12 16 12 12 19 12 12 23 12 12 26 12 14 00	Art 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	Art 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 23 12 12 26 12 14 00 12 14 13 12 14 16	Art 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	Art 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 00 12 14 13 12 14 16 12 14 19	Art 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
$\begin{array}{c} \textbf{12 10 00} \\ \textbf{12 11 00} \\ \textbf{12 11 13} \\ \textbf{12 11 16} \\ \textbf{12 11 23} \\ \textbf{12 11 26} \\ \textbf{12 11 26} \\ \textbf{12 11 33} \\ \textbf{12 12 00} \\ \textbf{12 12 13} \\ \textbf{12 12 16} \\ \textbf{12 12 19} \\ \textbf{12 12 23} \\ \textbf{12 12 26} \\ \textbf{12 14 23} \\ \textbf{12 14 13} \\ \textbf{12 14 16} \\ \textbf{12 14 19} \\ \textbf{12 14 23} \end{array}$	Art 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 Relief Art
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 23 12 12 26 12 14 00 12 14 13 12 14 16 12 14 19 12 14 23 12 17 00	Art 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 Relief Art Art Glass

Window Treatments 12 20 00 12 21 00 Window Blinds 12 21 13 Horizontal Louver Blinds 12 21 13.13 Metal Horizontal Louver Blinds 12 21 13.23 Wood Horizontal Louver Blinds Plastic Horizontal Louver Blinds 12 21 13.33 12 21 16 Vertical Louver Blinds 12 21 16.13 Metal Vertical Louver Blinds 12 21 16.23 Wood Vertical Louver Blinds Plastic Vertical Louver Blinds 12 21 16.33 12 21 23 **Roll-Down Blinds** 12 21 26 Black-Out Blinds **Curtains and Drapes** 12 22 00 12 22 13 Draperies 12 22 16 **Drapery Track and Accessories** 12 23 00 Interior Shutters 12 23 13 Wood Interior Shutters 12 24 00 Window Shades 12 24 13 Roller Window Shades **Pleated Window Shades** 12 24 16 Z-Pleated Window Shades 12 24 16.13 12 24 16.16 Cellular Shades 12 24 16.19 **Roman Shades** 12 25 00 Window Treatment Operating Hardware 12 25 09 Window Treatment Control System Motorized Drapery Rods 12 25 13 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 Manufactured Plastic-Laminate-Clad Casework 12 34 00 Manufactured Plastic Casework Manufactured Solid-Plastic Casework 12 34 16 12 35 00 Specialty Casework 12 35 17 Bank Casework 12 35 25 Hospitality Casework Residential Casework 12 35 30 12 35 30.13 **Kitchen Casework Bathroom Casework** 12 35 30.23 12 35 30.43 **Dormitory Casework** 12 35 33 Utility Room Casework 12 35 36 Mailroom Casework 12 35 39 **Commercial Kitchen Casework** 12 35 50 Educational/Library Casework 12 35 50.13 Educational Casework 12 35 50.53 Library Casework

12 35 50.56	Built-In Study Carrels
12 35 53	Laboratory Casework
12 35 53.13	Metal Laboratory Casework
12 35 53.16	Plastic-Laminate-Clad Laboratory Casework
12 35 53.19	Wood Laboratory Casework
12 35 53.23	Solid-Plastic Laboratory Casework
12 35 59	Display Casework
12 35 70	Healthcare Casework
12 35 70.13 12 35 70.16	Hospital Casework
12 35 70.10	Nurse Station Casework Exam Room Casework
12 35 70.74	Dental Casework
12 35 83	Performing Arts Casework
12 35 91	Religious Casework
12 36 00	Countertops
12 36 13	Concrete Countertops
12 36 15	Metal Countertops
12 36 19	Wood Countertops
12 36 23	Plastic Countertops
12 36 23.13	Plastic-Laminate-Clad Countertops
12 36 26	Glass Countertops
12 36 40	Stone Countertops
12 36 53	Laboratory Countertops
12 36 61	Simulated Stone Countertops
12 36 61.13	Cultured Marble Countertops
12 36 61.16	Solid Surfacing Countertops
12 36 61.19	Quartz Agglomerate Countertops
	Quartz Agglomerate Countertops Paper-Composite Countertops
12 36 61.19 12 36 71	Paper-Composite Countertops
12 36 61.19 12 36 71 12 40 00	Paper-Composite Countertops Furnishings and Accessories
12 36 61.19 12 36 71 12 40 00 12 41 00	Paper-Composite Countertops Furnishings and Accessories Office Accessories
12 36 61.19 12 36 71 12 40 00 12 41 00 12 41 13	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories
12 36 61.19 12 36 71 12 40 00 12 41 00 12 41 13 12 42 00	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories
12 36 61.19 12 36 71 12 40 00 12 41 00 12 41 13 12 42 00 12 42 13	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics
$\begin{array}{r} 12\ 36\ 61.19\\ 12\ 36\ 71\end{array}$	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics Flatware
$\begin{array}{r} 12\ 36\ 61.19\\ 12\ 36\ 71\end{array}\\ \begin{array}{r} \textbf{12}\ \textbf{40}\ \textbf{00}\\ \textbf{12}\ \textbf{41}\ \textbf{00}\\ 12\ \textbf{41}\ \textbf{13}\\ \textbf{12}\ \textbf{42}\ \textbf{00}\\ 12\ \textbf{42}\ \textbf{13}\\ 12\ \textbf{42}\ \textbf{16}\\ 12\ \textbf{42}\ \textbf{16}\\ 12\ \textbf{42}\ \textbf{16}. \textbf{13}\end{array}$	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics Flatware Silverware
$\begin{array}{c} 12\ 36\ 61.19\\ 12\ 36\ 71\\ \hline 12\ 40\ 00\\ 12\ 41\ 00\\ 12\ 41\ 13\\ \hline 12\ 42\ 00\\ 12\ 42\ 13\\ 12\ 42\ 16\\ 12\ 42\ 16.13\\ 12\ 42\ 19\end{array}$	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics Flatware Silverware Hollowware
$\begin{array}{c} 12\ 36\ 61.19\\ 12\ 36\ 71\\ \hline 12\ 40\ 00\\ 12\ 41\ 00\\ 12\ 41\ 13\\ \hline 12\ 42\ 00\\ 12\ 42\ 13\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 19\\ 12\ 42\ 23\\ \end{array}$	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics Flatware Silverware Hollowware Glassware
$\begin{array}{c} 12\ 36\ 61.19\\ 12\ 36\ 71\\ \hline 12\ 36\ 71\\ \hline 12\ 40\ 00\\ 12\ 41\ 13\\ \hline 12\ 41\ 13\\ \hline 12\ 42\ 00\\ 12\ 42\ 13\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 19\\ 12\ 42\ 23\\ 12\ 42\ 26\end{array}$	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics Flatware Silverware Hollowware Glassware Table Linens
$\begin{array}{c} 12\ 36\ 61.19\\ 12\ 36\ 71\\ \hline 12\ 40\ 00\\ 12\ 41\ 00\\ 12\ 41\ 13\\ \hline 12\ 42\ 00\\ 12\ 42\ 13\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 19\\ 12\ 42\ 23\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26.13\end{array}$	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics Flatware Silverware Hollowware Glassware Table Linens Napery
$\begin{array}{c} 12\ 36\ 61.19\\ 12\ 36\ 71\\ \hline 12\ 40\ 00\\ 12\ 41\ 00\\ 12\ 41\ 13\\ \hline 12\ 42\ 00\\ 12\ 42\ 13\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 19\\ 12\ 42\ 23\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26.13\\ \hline 12\ 43\ 00\\ \end{array}$	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics Flatware Silverware Hollowware Glassware Table Linens Napery Portable Lamps
$\begin{array}{c} 12\ 36\ 61.19\\ 12\ 36\ 71\\ \hline 12\ 40\ 00\\ 12\ 41\ 00\\ 12\ 41\ 13\\ \hline 12\ 42\ 00\\ 12\ 42\ 13\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 19\\ 12\ 42\ 23\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 13\\ \hline 12\ 43\ 13\\ \end{array}$	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics Flatware Silverware Hollowware Glassware Table Linens Napery Portable Lamps Lamps
$\begin{array}{c} 12\ 36\ 61.19\\ 12\ 36\ 71\\ \hline 12\ 40\ 00\\ 12\ 41\ 00\\ 12\ 41\ 13\\ \hline 12\ 42\ 00\\ 12\ 42\ 13\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 19\\ 12\ 42\ 23\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 43\ 13\\ 12\ 43\ 13\\ 12\ 43\ 13\\ 12\ 43\ 13.13\end{array}$	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics Flatware Silverware Hollowware Glassware Table Linens Napery Portable Lamps Desk Lamps Desk Lamps
$\begin{array}{c} 12\ 36\ 61.19\\ 12\ 36\ 71\\ \hline 12\ 40\ 00\\ 12\ 41\ 00\\ 12\ 41\ 13\\ \hline 12\ 42\ 00\\ 12\ 42\ 13\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 19\\ 12\ 42\ 23\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 43\ 13\\ 12\ 43\ 13\\ 12\ 43\ 13.13\\ 12\ 43\ 13.13\\ 12\ 43\ 13.16\end{array}$	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics Flatware Silverware Hollowware Glassware Table Linens Napery Portable Lamps Desk Lamps Table Lamps Table Lamps
$\begin{array}{c} 12\ 36\ 61.19\\ 12\ 36\ 71\\ \hline 12\ 40\ 00\\ 12\ 41\ 00\\ 12\ 41\ 13\\ \hline 12\ 42\ 00\\ 12\ 42\ 13\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 13\\ 12\ 43\ 13\\ 12\ 43\ 13\\ 12\ 43\ 13.16\\ 12\ 43\ 13.19\end{array}$	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics Flatware Silverware Hollowware Glassware Table Linens Napery Portable Lamps Desk Lamps Desk Lamps Floor Lamps
$\begin{array}{c} 12\ 36\ 61.19\\ 12\ 36\ 71\\ \hline 12\ 40\ 00\\ 12\ 41\ 00\\ 12\ 41\ 13\\ \hline 12\ 42\ 00\\ 12\ 42\ 13\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 13\\ 12\ 43\ 13\\ 12\ 43\ 13\\ 12\ 43\ 13.13\\ 12\ 43\ 13.16\\ 12\ 43\ 13.19\\ \hline 12\ 44\ 00\\ \hline \end{array}$	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics Flatware Silverware Hollowware Glassware Table Linens Napery Portable Lamps Lamps Desk Lamps Table Lamps Floor Lamps Floor Lamps
$\begin{array}{c} 12\ 36\ 61.19\\ 12\ 36\ 71\\ \hline 12\ 40\ 00\\ 12\ 41\ 00\\ 12\ 41\ 13\\ \hline 12\ 42\ 00\\ 12\ 42\ 13\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 23\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 13\ 12\ 43\ 13\\ 12\ 43\ 13\\ 12\ 43\ 13.13\\ 12\ 43\ 13.16\\ 12\ 43\ 13.19\\ \hline 12\ 44\ 00\\ 12\ 44\ 13\\ \end{array}$	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics Flatware Silverware Hollowware Glassware Table Linens Napery Portable Lamps Lamps Desk Lamps Table Lamps Floor Lamps Floor Lamps Bath Furnishings Bath Linens
$\begin{array}{c} 12\ 36\ 61.19\\ 12\ 36\ 71\\ \hline 12\ 40\ 00\\ 12\ 41\ 00\\ 12\ 41\ 13\\ \hline 12\ 42\ 00\\ 12\ 42\ 13\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 19\\ 12\ 42\ 23\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 43\ 13\\ 12\ 43\ 13\\ 12\ 43\ 13.13\\ 12\ 43\ 13.19\\ \hline 12\ 43\ 00\\ 12\ 43\ 13.19\\ \hline 12\ 44\ 00\\ 12\ 44\ 13\\ 12\ 44\ 13\\ 12\ 44\ 13\\ 12\ 44\ 13.13\\ \end{array}$	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics Flatware Silverware Hollowware Glassware Table Linens Napery Portable Lamps Lamps Desk Lamps Table Lamps Floor Lamps Floor Lamps Bath Furnishings Bath Linens Bath Mats
$\begin{array}{c} 12\ 36\ 61.19\\ 12\ 36\ 71\\ \hline 12\ 40\ 00\\ 12\ 41\ 00\\ 12\ 41\ 13\\ \hline 12\ 42\ 00\\ 12\ 42\ 13\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 19\\ 12\ 42\ 23\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 43\ 13\\ 12\ 43\ 13\\ 12\ 43\ 13.13\\ 12\ 43\ 13.19\\ \hline 12\ 44\ 13\\ 12\ 44\ 13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.16\\ \hline \end{array}$	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics Flatware Silverware Hollowware Glassware Table Linens Napery Portable Lamps Lamps Desk Lamps Table Lamps Floor Lamps Floor Lamps Bath Furnishings Bath Linens Bath Mats Bath Towels
$\begin{array}{c} 12\ 36\ 61.19\\ 12\ 36\ 71\\ \hline 12\ 40\ 00\\ 12\ 41\ 00\\ 12\ 41\ 13\\ \hline 12\ 42\ 00\\ 12\ 42\ 13\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 23\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 43\ 13\\ 12\ 43\ 13\\ 12\ 43\ 13.16\\ 12\ 43\ 13.19\\ \hline 12\ 44\ 13\\ 12\ 44\ 13\\ 12\ 44\ 13\\ 12\ 44\ 13\\ 12\ 44\ 13\\ 12\ 44\ 13\\ 12\ 44\ 13\\ 12\ 44\ 13\\ 12\ 44\ 13\\ 12\ 44\ 13\\ 12\ 44\ 13\\ 12\ 44\ 16\\ \hline \end{array}$	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics Flatware Silverware Hollowware Glassware Table Linens Napery Portable Lamps Table Lamps Table Lamps Floor Lamps Floor Lamps Bath Furnishings Bath Mats Bath Mats Bath Towels Shower Curtains
$\begin{array}{c} 12\ 36\ 61.19\\ 12\ 36\ 71\\ \hline 12\ 40\ 00\\ 12\ 41\ 00\\ 12\ 41\ 13\\ \hline 12\ 42\ 00\\ 12\ 42\ 13\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 16\\ 12\ 42\ 19\\ 12\ 42\ 23\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 42\ 26\\ 12\ 43\ 13\\ 12\ 43\ 13\\ 12\ 43\ 13.13\\ 12\ 43\ 13.19\\ \hline 12\ 44\ 13\\ 12\ 44\ 13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.13\\ 12\ 44\ 13.16\\ \hline \end{array}$	Paper-Composite Countertops Furnishings and Accessories Office Accessories Desk Accessories Table Accessories Ceramics Flatware Silverware Hollowware Glassware Table Linens Napery Portable Lamps Lamps Desk Lamps Table Lamps Floor Lamps Floor Lamps Bath Furnishings Bath Linens Bath Mats Bath Towels

$\begin{array}{c} 12 \ 45 \ 13 \\ 12 \ 45 \ 13.13 \\ 12 \ 45 \ 13.16 \\ 12 \ 45 \ 16 \end{array}$	Bed Linens Blankets Comforters Pillows Furnishing Accessories Ash Receptacles Bowls Clocks Decorative Crafts Decorative Crafts Decorative Screens Vases Waste Receptacles Rugs and Mats Entrance Floor Mats and Frames Entrance Floor Mats and Frames Entrance Floor Mats Frames Entrance Floor Grilles Entrance Floor Grilles Entrance Floor Gritles Entrance Floor Grids Entrance Tile Floor Mats Chair Mats Anti-Fatigue Floor Mats
12 48 43.26	Fall-Cushioning Floor Mats
12 48 53	Rugs
12 48 53.13	Runners
12 48 53.16	Oriental Rugs
12 50 00	Furniture
12 51 00	Office Furniture
12 51 16	Case Goods
12 51 16.13	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	Office Tables
12 51 83	Custom Office Furniture
12 52 00	Seating
12 52 13	Chairs
12 52 19	Upholstered Seating
12 52 23	Office Seating
12 52 70	Healthcare Seating
12 52 83	Custom Seating
12 53 00	Retail Furniture
12 53 83	Custom Retail Furniture
12 54 00	Hospitality Furniture
12 54 13	Hotel and Motel Furniture
12 54 13 12 54 16 12 54 83	Restaurant Furniture Custom Hospitality Furniture

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12 55 00	Detention Furniture
12 55 13	Detention 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	Classroom Furniture
12 56 33.13	Fixed Classroom Tables
12 56 33.23	Classroom Computer Furniture
12 56 39 12 56 43	Lecterns
12 56 51	Dormitory Furniture Library Furniture
12 56 51.13	Book Shelves
12 56 51.16	Study Carrels
12 56 51.19	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
12 57 86	Industrial Control Room Furniture
12 58 00	Residential Furniture
12 58 13	Couches and Loveseats
12 58 13.13	Futons
12 58 16	Residential Chairs
12 58 16.13	Reclining Chairs
12 58 19 12 58 23	Dining Tables and Chairs Coffee Tables
12 58 25	Entertainment Centers
12 58 29	Beds
12 58 29.13	Daybeds
12 58 33	Dressers
12 58 33.13	Armoires
12 58 36	Nightstands
12 58 83	Custom Residential Furniture
12 59 00	Systems Furniture
12 59 13	Panel-Hung Component System Furniture
12 59 16	Free-Standing Component System Furniture
12 59 19	Beam System Furniture
12 59 23	Desk System Furniture
12 59 83	Custom Systems Furniture

12 60 00	Multiple Seating
12 61 00	Fixed Audience Seating
12 61 13	Upholstered Audience Seating
12 61 16	Molded-Plastic Audience Seating
12 62 00	Portable Audience Seating
12 62 13	Folding Chairs
12 62 16	Interlocking Chairs
12 62 19	Stacking Chairs
12 62 23	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	Pews
12 67 23	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	Interior Planters
12 92 43	Interior Landscaping Accessories
12 93 00	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	Operation and Maintenance of Swimming Pools
13 01 12	Operation and Maintenance of Fountains
13 01 13	Operation and Maintenance of Aquariums
13 01 14	Operation and Maintenance of Amusement Park Structures and
	Equipment
13 01 18	Operation and Maintenance of Ice Rinks
13 01 20	Operation and Maintenance of Special Purpose Rooms
13 01 21	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 30	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 Fountains
13 08 13	Commissioning of Aquariums
13 08 14	Commissioning of Amusement Park Structures and Equipment
13 08 18	Commissioning of Ice Rinks
13 08 20 13 08 21	Commissioning of Special Purpose Rooms
13 08 23	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
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 13 12 23	Exterior Fountains Interior Fountains
13 13 00	
	Aquariums
13 14 00	Amusement Park Structures and Equipment Water Slides
13 14 13 13 14 16	Wave Generating Equipment
13 14 23	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 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 Coolers 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 Concrete Security Vaults Modular Metal-Clad Laminated Security Vaults
13 28 00	Athletic and Recreational Special Construction
13 28 13	•
	Indoor Soccer Boards

13 28 19	Arena Football Boards
13 28 26	Floor Sockets
13 28 33	Athletic and Recreational Court Walls
13 28 66	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 13 32 00	Framed Fabric Structures
13 32 00	Space Frames
13 32 13	Metal Space Frames 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	Solariums
13 34 13.19	Swimming Pool Enclosures
13 34 13.23	Sunrooms
13 34 13.26	Conservatories
13 34 16	Grandstands and Bleachers
13 34 16.13	Grandstands Bleachers
13 34 16.53 13 34 18	Post Frame Building Systems
13 34 19	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	Fabricated Dome Structures
13 34 23.23	Fabricated Substation Control Rooms
13 34 56	Observatories
13 35 00 13 35 13	Rammed Earth Construction 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
10 10 10	

13 42 43 Dormitory Unit Modules

13 42 46	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	Cathodic Protection for Underground Storage Tanks
13 47 13.19	Cathodic Protection for Concrete Reinforcing
13 48 00	Sound, Vibration, and Seismic Control
13 48 13	Manufactured Sound and Vibration Control Components
13 48 23	Fabricated Sound and Vibration Control Assemblies
13 48 53	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	Operation and Maintenance of Dumbwaiters
14 01 10.71 14 01 20	Dumbwaiter Rehabilitation Operation and Maintenance of Elevators
14 01 20	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 14 01 70	Lift Rehabilitation 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 14 06 30	Elevator Equipment Schedule Schedules for Escalators and Moving Walks
14 06 40	Schedules for Lifts
14 06 40.13	Lift Schedule
14 06 70	Schedules for Turntables
14 06 80	Schedules for Scaffolding
14 06 90 14 08 00	Schedules for Other Conveying Equipment
14 08 00 14 08 10	Commissioning of Conveying Equipment 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 14 21 23.16	Machine Room Electric Traction Passenger Elevators Machine Room-Less Electric Traction Passenger Elevators
14 21 33	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	Custom Elevator Cabs and Doors
14 27 13	Custom Elevator Cab Finishes
14 27 16	Custom Elevator Doors
14 28 00	Elevator Equipment and Controls Elevator Controls
14 28 16 14 28 19	Elevator Equipment
14 28 19.13	Elevator Safety Equipment
14 28 19.16	Elevator Hoistway Equipment
14 30 00	Escalators and Moving Walks
14 31 00	Escalators
14 32 00	Moving Walks
14 33 00	Moving Ramps
14 33 13	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 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 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	Carriage Scaffolding
14 81 19	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	Electric and Battery Telescoping Platform Lifts
14 83 13.16	Pneumatic Telescoping Platform Lifts
14 83 16	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 04 20	
14 90 00	Other Conveying Equipment
14 90 00	Other Conveying Equipment
14 90 00 14 91 00	Other Conveying Equipment Facility Chutes
14 90 00 14 91 00 14 91 13	Other Conveying Equipment Facility Chutes Coal Chutes
14 90 00 14 91 00 14 91 13 14 91 23	Other Conveying Equipment Facility Chutes Coal Chutes Escape Chutes
14 90 00 14 91 00 14 91 13 14 91 23 14 91 33	Other Conveying Equipment Facility Chutes Coal Chutes Escape Chutes Laundry and Linen Chutes
14 90 00 14 91 00 14 91 13 14 91 23 14 91 33 14 91 82	Other Conveying Equipment Facility Chutes Coal Chutes Escape Chutes Laundry and Linen Chutes Trash Chutes

21 01 00 Operation and Maintenance of Fire Suppression21 01 10Operation and Maintenance of Water-Based Fire-Suppression Systems21 01 20Operation and Maintenance of Fire-Extinguishing Systems21 01 30Operation and Maintenance of Fire-Suppression Equipment 21 05 00 Common Work Results for Fire Suppression21 05 05Selective Demolition for Fire Suppression
 21 01 10 21 01 20 21 01 20 21 01 30 21 05 00 Operation and Maintenance of Water-Based Fire-Suppression Systems Operation and Maintenance of Fire-Extinguishing Systems Operation and Maintenance of Fire-Suppression Equipment Common Work Results for Fire Suppression
21 01 30Operation and Maintenance of Fire-Suppression Equipment21 05 00Common Work Results for Fire Suppression
21 05 00 Common Work Results for Fire Suppression
21.05.05 Selective Demolition for Fire Suppression
21 05 05 Selective Demonitor 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 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 Equipment
21 05 33 Heat Tracing for Fire-Suppression Piping
21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment 21 05 53 Identification for Fire-Suppression Piping and Equipment
 21 06 10 Schedules for Water-Based Fire-Suppression Systems 21 06 20 Schedules for Fire-Extinguishing Systems
21 06 30 Schedules for Fire-Suppression Equipment
21 07 00 Fire Suppression Systems Insulation
21 07 16 Fire-Suppression Equipment Insulation 21 07 19 Fire-Suppression Piping Insulation
5 11
21 09 00 Instrumentation and Control for Fire-Suppression
Systems
21 10 00 Water-Based Fire-Suppression Systems
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 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 21 16	Carbon-Dioxide Fire-Extinguishing Equipment
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 13	Electric-Drive, Vertical-Turbine Fire Pumps
21 32 16	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 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 16	Elevated Storage Tanks for Fire-Suppression Water
21 41 19	Roof-Mounted Storage Tanks for Fire-Suppression Water
21 41 23	Ground Suction Storage Tanks for Fire-Suppression Water
21 41 26	Underground Storage Tanks for Fire-Suppression Water
21 41 29	Storage Tanks for Fire-Suppression Water Additives

22 00 00 Plumbing **Operation and Maintenance of Plumbing** 22 01 00 Operation and Maintenance of Plumbing Piping and Pumps 22 01 10 22 01 10.16 Video Piping Inspections 22 01 10.51 Plumbing Piping Cleaning Plumbing Piping Repairs 22 01 10.61 Plumbing Piping Relining 22 01 10.62 22 01 30 **Operation and Maintenance of Plumbing Equipment** 22 01 40 **Operation and Maintenance of Plumbing Fixtures** Operation and Maintenance of Pool and Fountain Plumbing Systems 22 01 50 22 01 60 Operation and Maintenance of Laboratory and Healthcare Systems Common Work Results for Plumbing 22 05 00 Selective Demolition for Plumbing 22 05 05 22 05 13 Common Motor Requirements for Plumbing Equipment 22 05 16 Expansion Fittings and Loops for Plumbing Piping Meters and Gages for Plumbing Piping 22 05 19 General-Duty Valves for Plumbing Piping 22 05 23 Hangers and Supports for Plumbing Piping and Equipment 22 05 29 22 05 33 Heat Tracing for Plumbing Piping Vibration and Seismic Controls for Plumbing Piping and Equipment 22 05 48 Identification for Plumbing Piping and Equipment 22 05 53 22 05 73 Facility Drainage Manholes Facility Drainage Piping Cleanouts 22 05 76 22 06 00 Schedules for Plumbing 22 06 10 Schedules for Plumbing Piping and Pumps Plumbing Pump Schedule 22 06 10.13 22 06 12 Schedules for Facility Potable Water Storage Schedules for General Service Compressed-Air Equipment 22 06 15 Schedules for Plumbing Equipment 22 06 30 22 06 30.13 **Domestic Water Heater Schedule** Schedules for Plumbing Fixtures 22 06 40 22 06 40.13 Plumbing Fixture Schedule Schedules for Pool and Fountain Plumbing Systems 22 06 50 Schedules for Laboratory and Healthcare Systems 22 06 60 22 07 00 Plumbing Insulation **Plumbing Equipment Insulation** 22 07 16 22 07 19 **Plumbing Piping Insulation Commissioning of Plumbing** 22 08 00 Instrumentation and Control for Plumbing 22 09 00 **Plumbing Piping** 22 10 00 **Facility Water Distribution** 22 11 00 Facility Water Distribution Piping 22 11 13 22 11 16 Domestic Water Piping **Domestic Water Piping Specialties** 22 11 19 22 11 23 **Domestic Water Pumps** 22 11 23.13 **Domestic-Water Packaged Booster Pumps** 22 11 23.23 Close-Coupled, In-Line, Sealless Centrifugal Domestic-Water Pumps

22 11 23.26 Close-Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps

	22 11 23.29 22 11 23.33 22 11 23.36	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
22	12 00 22 12 13 22 12 16 22 12 19 22 12 21 22 12 23 22 12 23.13 22 12 23.16 22 12 23.23 22 12 23.23 22 12 23.26	Facility Potable-Water Storage Tanks Facility Roof-Mounted, Potable-Water Storage Tanks Facility Elevated, Potable-Water Storage Tanks Facility Ground-Mounted, Potable-Water Storage Tanks Facility Underground Potable-Water Storage Tanks Facility Indoor Potable-Water Storage Tanks Facility Steel, Indoor Potable-Water Storage Pressure Tanks Facility Steel, Indoor Potable-Water Storage Non-Pressure Tanks Facility Plastic, Indoor Potable-Water Storage Pressure Tanks Facility Plastic, Indoor Potable-Water Storage Pressure Tanks Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks
22	13 00	Facility Sanitary Sewerage
	22 13 13	Facility Sanitary Sewers
	22 13 16	Sanitary Waste and Vent Piping
	22 13 19	Sanitary Waste Piping Specialties
	22 13 19.13	Sanitary Drains
	22 13 19.23	Fats, Oils, and Grease Disposal Systems
	22 13 19.26 22 13 19.33	Grease Removal Devices Backwater Valves
	22 13 19.36	Air-Admittance Valves
	22 13 23	Sanitary Waste Interceptors
	22 13 26	Sanitary Waste Separators
	22 13 29	Sanitary Sewerage Pumps
	22 13 29.13	Wet-Pit-Mounted, Vertical Sewerage Pumps
	22 13 29.16 22 13 29.23	Submersible Sewerage Pumps
	22 13 29.23 22 13 29.33	Sewerage Pump Reverse-Flow Assemblies Sewerage Pump Basins and Pits
	22 13 33	Packaged, Submersible Sewerage Pump Units
	22 13 36	Packaged, Wastewater Pump Units
	22 13 43	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 53	Facility Septic Tanks
~~	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 22 14 23	Sump Pump Discharge Piping Storm Drainage Piping Specialties
	22 14 23	Facility Storm Drains
	22 14 26.13	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
	22 14 29.16	Submersible Sump Pumps
	22 14 29.19	Sump-Pump Basins and Pits
	22 14 33 22 14 36	Packaged, Pedestal Drainage Pump Units
	22 14 30	Packaged, Submersible, Drainage Pump Units

22	14 53	Rainwater Storage Tanks
22 15	00	General Service Compressed-Air Systems
-	15 13	General Service Compressed-Air Piping
	15 16	General Service Compressed-Air Valves
	15 19	General Service Packaged Air Compressors and Receivers
	15 19.13	General Service Packaged Reciprocating Air Compressors
22	15 19.16	General Service Packaged Liquid-Ring Air Compressors
	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
22 31	00	Domestic Water Softeners
22	31 13	Residential Domestic Water Softeners
22	31 16	Commercial Domestic Water Softeners
22 32	00	Domestic Water Filtration Equipment
-	32 13	Domestic-Water Bag-Type Filters
	32 16	Domestic-Water Freestanding Cartridge Filters
	32 19	Domestic-Water Off-Floor Cartridge Filters
	32 23	Domestic-Water Carbon Filters
	32 26	Domestic-Water Sand Filters
	32 26.13	Domestic-Water Circulating Sand Filters
22	32 26.16	Domestic-Water Multimedia Sand Filters
22	32 26.19	Domestic-Water Greensand Filters
22 33	00	Electric Domestic Water Heaters
22	33 13	Instantaneous Electric Domestic Water Heaters
	33 13.13	Flow-Control, Instantaneous Electric Domestic Water Heaters
	33 13.16	Thermostat-Control, Instantaneous Electric Domestic Water Heaters
	33 30	Residential, Electric Domestic Water Heaters
	33 30.13	Residential, Small-Capacity Electric Domestic Water Heaters
	33 30.16 33 30.23	Residential, Storage Electric Domestic Water Heaters Residential, Collector-to-Tank, Solar-Electric Domestic Water Heaters
	33 30.26	Residential, Collector-to-Tank, Heat-Exchanger-Coil, Solar-Electric Domestic Water Heaters
22	33 33	Light-Commercial Electric Domestic Water Heaters
22	33 36	Commercial Domestic Water Electric Booster Heaters
	33 36.13	Commercial Domestic Water Electric Booster Heaters
	33 36.16	Commercial Storage Electric Domestic Water Heaters
22 34		Fuel-Fired Domestic Water Heaters
	34 13	Instantaneous, Tankless, Gas Domestic Water Heaters
	34 30	Residential Gas Domestic Water Heaters
	34 30.13	Residential, Atmospheric, Gas Domestic Water Heaters
	34 30.16 34 30.19	Residential, Direct-Vent, Gas Domestic Water Heaters
	34 30.19	Residential, Power-Vent, Gas Domestic Water Heaters Commercial Gas Domestic Water Heaters
	34 36.13	Commercial, Atmospheric, Gas Domestic Water Heaters
	34 36.16	Commercial, Power-Burner, Gas Domestic Water Heaters
	34 36.19	Commercial, Power-Vent, Gas Domestic Water Heaters
	34 36.23	Commercial, High-Efficiency, Gas Domestic Water Heaters
	34 36.26	Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters
	34 36.29	Commercial, Grid-Type, Finned-Tube, Gas Domestic Water Heaters
	34 46	Oil-Fired Domestic Water Heaters
22	34 46.13	Large-Capacity, Oil-Fired Domestic Water Heaters

22 34 56	Dual-Fuel-Fired Domestic Water Heaters
22 35 00	Domestic Water Heat Exchangers
22 35 13 22 35 13.13 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 22 35 29.13 22 35 29.16 22 35 36 22 35 39 22 35 43 22 36 00	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, Compact Domestic Water Heat Exchangers Noncirculating, Storage Domestic Water Heat Exchangers Domestic Water Brazed-Plate Heat Exchangers Domestic Water Frame-and-Plate Heat Exchangers Domestic Water Heat Reclaimers Domestic Water Heat Reclaimers
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 Residential Water Closets
22 41 13.13 22 41 13.16	Residential Urinals
22 41 13.10	Residential Bidets
22 41 13.19	Residential Lavatories and Sinks
22 41 10	Residential Lavatories
22 41 16.15	Residential Sinks
22 41 10.10	Residential Bathtubs
22 41 19	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	Commercial Water Closets
22 42 13.16	Commercial Urinals
22 42 16	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 47 00

22 51 00

- 22 46 19 Security Showers
- 22 46 39 Security Faucets, Supplies, and Trim
- 22 46 43 Security Plumbing Fixture Flushometers
- 22 46 53 Security Plumbing Fixture Supports

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

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 Fountain Water Treatment Equipment
- 22 52 23 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 Healthcare Compressed-Air Equipment
- 22 61 19.74 Dental Compressed-Air Equipment

22 62 00 Vacuum Systems for Laboratory and Healthcare Facilities

- 22 62 13 Vacuum Piping for Laboratory and Healthcare Facilities
- 22 62 13.53 Laboratory Vacuum Piping
- 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 Laboratory Gas Piping
- 22 63 13.70 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 Chemical-Waste Dilution Tanks
- 22 66 83.16 Chemical-Waste Neutralization Tanks

22 67 00 Processed Water Systems for Laboratory and 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 Reverse-Osmosis Water Equipment
- 22 67 19.19 Deionized-Water Equipment

Heating, Ventilating, and Air 23 00 00 **Conditioning (HVAC) Operation and Maintenance of HVAC Systems** 23 01 00 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 HVAC Air-Distribution System Cleaning 23 01 30.51 Operation and Maintenance of Central Heating Equipment 23 01 50 23 01 60 Operation and Maintenance of Central Cooling Equipment Refrigerant Recovery/Recycling 23 01 60.71 Operation and Maintenance of Central HVAC Equipment 23 01 70 Operation and Maintenance of Decentralized HVAC Equipment 23 01 80 **Diagnostic Systems for HVAC** 23 01 90 23 05 00 Common Work Results for HVAC Selective Demolition for Heating, Ventilating, and Air Conditioning (HVAC) 23 05 05 23 05 13 Common Motor Requirements for HVAC Equipment Expansion Fittings and Loops for HVAC Piping 23 05 16 23 05 19 Meters and Gages for HVAC Piping 23 05 23 General-Duty Valves for HVAC Piping Hangers and Supports for HVAC Piping and Equipment 23 05 29 23 05 33 Heat Tracing for HVAC Piping Vibration and Seismic Controls for HVAC 23 05 48 Identification for HVAC Piping and Equipment 23 05 53 Anti-Microbial Coatings for HVAC Ducts and Equipment 23 05 63 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 Hydronic Pump Schedule 23 06 20.13 Schedules for HVAC Air Distribution 23 06 30 23 06 30.13 **HVAC Fan Schedule** 23 06 30.16 Air Terminal Unit Schedule 23 06 30.19 Air Outlet and Inlet Schedule 23 06 30.23 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 Schedules for Central HVAC Equipment Indoor, Central-Station Air-Handling Unit Schedule 23 06 70.13 Packaged Outdoor HVAC Equipment Schedule 23 06 70.16 Schedules for Decentralized HVAC Equipment 23 06 80 Decentralized Unitary HVAC Equipment Schedule 23 06 80.13 23 06 80.16 **Convection Heating and Cooling Unit Schedule** 23 06 80.19 **Radiant Heating Unit Schedule HVAC** Insulation 23 07 00

23 07 13

Duct Insulation

23 07 16	HVAC Equipment Insulation
23 07 19	HVAC Piping Insulation
23 08 00	Commissioning of HVAC
23 09 00	Instrumentation and Control for HVAC
23 09 13	Instrumentation and Control Devices for HVAC
23 09 13.13	Actuators and Operators
23 09 13.23	Sensors and Transmitters
23 09 13.33	Control Valves
23 09 13.43 23 09 23	Control Dampers Direct-Digital Control System for HVAC
23 09 23	Electric and Electronic Control System for HVAC
23 09 33	Pneumatic Control System for HVAC
23 09 53	Pneumatic and Electric Control System for HVAC
23 09 93	Sequence of Operations for HVAC Controls
23 10 00	Facility Fuel Systems
23 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 13 00	Facility Fuel-Storage Tanks
23 13 13	Facility Underground Fuel-Oil, Storage Tanks
23 13 13.13 23 13 13.16	Double-Wall Steel, Underground Fuel-Oil, Storage Tanks
23 13 13.16	Composite, Steel, Underground Fuel-Oil, Storage Tanks Jacketed, Steel, Underground Fuel-Oil, Storage Tanks
23 13 13.23	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 20 00	HVAC Piping and Pumps
23 21 00	Hydronic Piping and Pumps
23 21 13	Hydronic Piping
23 21 13.13 23 21 13.23	Underground Hydronic Piping Aboveground Hydronic Piping
23 21 13.23	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	Base-Mounted, Centrifugal Hydronic Pumps
23 21 23.19	Vertical-Mounted, Double-Suction Centrifugal Hydronic Pumps
23 21 23.23	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 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	Thermoset Fiberglass-Reinforced Plastic Ducts
23 31 16.19	PVC Ducts
23 31 16.26	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	Backdraft Dampers
23 33 19	Duct Silencers
23 33 23	Turning Vanes
23 33 33	Duct-Mounting Access Doors
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	Air Destratification 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	Mechanical Engine Exhaust Systems
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 16	Fabric Air Distribution Devices
23 37 23	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
23 41 00	Particulate Air Filtration
23 41 13	Panel Air Filters
23 41 16	Renewable-Media Air Filters
23 41 19	Washable Air Filters
23 41 23	Extended Surface Filters
23 41 33	High-Efficiency Particulate Filtration
23 41 43	Ultra-Low Penetration Filtration
23 41 46	Super Ultra-Low Penetration Filtration
23 42 00	Gas-Phase Air Filtration
23 42 13	Activated-Carbon Air Filtration
23 42 16	Chemically-Impregnated Adsorption Air Filtration
23 42 19	Catalytic-Adsorption Air Filtration
23 43 00	Electronic Air Cleaners
23 43 13	Washable Electronic Air Cleaners
23 43 16	Agglomerator Electronic Air Cleaners
23 43 23	Self-Contained Electronic Air Cleaners
23 50 00	
	Central Heating Equipment
23 51 00	Breechings, Chimneys, and Stacks

	23 51 13	Draft Control Devices
	23 51 13.13 23 51 13.16	Draft-Induction Fans Vent Dampers
	23 51 13.10	Barometric Dampers
	23 51 16	Fabricated Breechings and Accessories
	23 51 19	Fabricated Stacks
	23 51 23	Gas Vents
	23 51 33	Insulated Sectional Chimneys
	23 51 33	Flue-Gas Filtration Equipment
	23 51 43	Gaseous Filtration
	23 51 43.15	Particulate Filtration
23	52 00	Heating Boilers
	23 52 13	Electric Boilers
	23 52 16	Condensing Boilers
	23 52 16.13	Stainless-Steel Condensing Boilers
	23 52 16.16	Aluminum Condensing Boilers
	23 52 17	Low Mass Boilers
	23 52 19	Pulse Combustion Boilers
	23 52 23	Cast-Iron Boilers
	23 52 33	Water-Tube Boilers
	23 52 33.13	Finned Water-Tube Boilers
	23 52 33.16	Steel Water-Tube Boilers
	23 52 33.19	Copper Water-Tube Boilers
	23 52 39	Fire-Tube Boilers
	23 52 39.13	Scotch Marine Boilers
	23 52 39.16	Steel Fire-Tube Boilers
	23 52 83	Boiler Blowdown Systems
23	23 52 83 53 00	Boiler Blowdown Systems Heating Boiler Feedwater Equipment
23		•
23	53 00	Heating Boiler Feedwater Equipment
	53 00 23 53 13	Heating Boiler Feedwater Equipment Boiler Feedwater Pumps
	53 00 23 53 13 23 53 16 54 00	Heating Boiler Feedwater Equipment Boiler Feedwater Pumps Deaerators Furnaces
	53 00 23 53 13 23 53 16 54 00 23 54 13	Heating Boiler Feedwater Equipment Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces
	53 00 23 53 13 23 53 16 54 00	Heating Boiler Feedwater Equipment Boiler Feedwater Pumps Deaerators Furnaces
	53 00 23 53 13 23 53 16 54 00 23 54 13 23 54 16	Heating Boiler Feedwater Equipment Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces
23	53 00 23 53 13 23 53 16 54 00 23 54 13 23 54 16 23 54 16.13	Heating Boiler Feedwater Equipment Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces
23	53 00 23 53 13 23 53 16 54 00 23 54 13 23 54 16 23 54 16.13 23 54 16.13	Heating Boiler Feedwater Equipment Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces
23	53 00 23 53 13 23 53 16 54 00 23 54 13 23 54 16 23 54 16.13 23 54 16.16 55 00	Heating Boiler Feedwater Equipment Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters
23	53 00 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	Heating Boiler Feedwater Equipment 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	53 00 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	Heating Boiler Feedwater Equipment 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
23	53 00 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	Heating Boiler Feedwater Equipment 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	53 00 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 23.16	Heating Boiler Feedwater Equipment Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters Fuel-Fired Duct Heaters Sil-Fired Duct Heaters Gas-Fired Radiant Heaters Gas-Fired Radiant Heaters Low-Intensity Gas-Fired Radiant Heaters High-Intensity Gas-Fired Radiant Heaters
23	$\begin{array}{c} \textbf{53 00} \\ 23 53 13 \\ 23 53 16 \\ \textbf{54 00} \\ 23 54 13 \\ 23 54 16 \\ 23 54 16 \\ 13 23 54 16 \\ 16 \\ \textbf{55 00} \\ 23 55 13 \\ 23 55 13 \\ 23 55 13 \\ 13 \\ 23 55 23 \\ 23 55 23 \\ 13 \\ 23 55 23 \\ 16 \\ 23 55 23 \\ 16 \\ 23 55 23 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ $	Heating Boiler Feedwater Equipment Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters Fuel-Fired Duct Heaters Gas-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
23	$\begin{array}{c} \textbf{53 00} \\ 23 53 13 \\ 23 53 16 \\ \textbf{54 00} \\ 23 54 13 \\ 23 54 16 \\ 23 54 16 \\ 13 23 54 16 \\ 16 \\ \textbf{55 00} \\ 23 55 13 \\ 23 55 13 \\ 23 55 13 \\ 13 \\ 23 55 23 \\ 23 55 23 \\ 13 \\ 23 55 23 \\ 16 \\ 23 55 23 \\ 16 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 55 3 \\ 3 \\$	Heating Boiler Feedwater Equipment 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
23 23	$\begin{array}{c} \textbf{53 00} \\ 23 53 13 \\ 23 53 16 \\ \textbf{54 00} \\ 23 54 13 \\ 23 54 16 \\ 23 54 16 \\ 13 23 54 16 \\ 16 \\ \textbf{55 00} \\ 23 55 13 \\ 23 55 13 \\ 16 \\ 23 55 23 \\ 23 55 23 \\ 23 55 23 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 16 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 55 3 \\ 23 5 5 3 \\ 23 5 5 3 \\ 23 5 5 3 \\ 23 5 5 3 \\ 23 5 5 3 \\ 23 5 5 $	Heating Boiler Feedwater Equipment 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
23 23	53 00 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 23.16 23 55 33 23 55 33.13 23 55 33.16 56 00	Heating Boiler Feedwater Equipment Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters Oil-Fired Duct Heaters Gas-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 Fuel-Fired Unit Heaters Gas-Fired Unit Heaters Oil-Fired Unit Heaters Gas-Fired Unit Heaters
23 23	53 00 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 23.16 23 55 33 23 55 33.13 23 55 33.16 56 00 23 56 13	Heating Boiler Feedwater Equipment Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters Oil-Fired Duct Heaters Gas-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 Fuel-Fired Unit Heaters Fuel-Fired Unit Heaters Gas-Fired Unit Heaters Dil-Fired Unit Heaters Gas-Fired Unit Heaters Dil-Fired Unit Heaters
23 23	53 00 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 13.13 23 55 23.13 23 55 23.13 23 55 33.13 23 55	Heating Boiler Feedwater Equipment Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Dil-Fired Furnaces Fuel-Fired Duct 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 Dil-Fired Unit Heaters Fuel-Fired Unit Heaters High-Intensity Gas-Fired Radiant Heaters
23 23	53 00 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 23.16 23 55 33 23 55 33.13 23 55 33.16 56 00 23 56 13	Heating Boiler Feedwater Equipment Boiler Feedwater Pumps Deaerators Furnaces Electric-Resistance Furnaces Fuel-Fired Furnaces Gas-Fired Furnaces Oil-Fired Furnaces Fuel-Fired Heaters Oil-Fired Duct Heaters Gas-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 Fuel-Fired Unit Heaters Fuel-Fired Unit Heaters Gas-Fired Unit Heaters Dil-Fired Unit Heaters Gas-Fired Unit Heaters Dil-Fired Unit Heaters

23 56 16 Packaged Solar Heating Equipment

	23 56 23	Solar Air-Heating Panels
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 (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	Centrifugal Water Chillers
	23 64 16.13	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 26	Rotary-Screw Water Chillers
23	65 00	
	23 65 13	Forced-Draft Cooling Towers
	23 65 13.13 23 65 13.16	Open-Circuit, Forced-Draft Cooling Towers Closed-Circuit, Forced-Draft Cooling Towers
	23 65 16	Natural-Draft Cooling Towers
	23 65 23	Field-Erected Cooling Towers
	23 65 33	Liquid Coolers
23	70 00	Central HVAC Equipment
	71 00	Thermal Storage
ZJ	23 71 13	Thermal Heat Storage
	23 71 13.13	Room Storage Heaters for Thermal Storage
	23 71 13.16	Heat-Pump Boosters for Thermal Storage
	23 71 13.19	Central Furnace Heat-Storage Units
	23 71 13.23	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 23 71 19.23 23 71 19.23 23 71 19.26	External Ice-on-Coil Thermal Storage Encapsulated-Ice Thermal Storage Ice-Harvesting Thermal Storage 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	Fixed-Plate Air-to-Air Energy-Recovery Equipment
	23 72 23	Packaged Air-to-Air Energy-Recovery Units
າງ	73 00	
ZJ		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	Indoor, Direct Gas-Fired Heating and Ventilating Units
23	74 00	Packaged Outdoor HVAC Equipment
	23 74 13	Packaged, Outdoor, Central-Station Air-Handling Units
	23 74 23	Packaged, Outdoor, Heating-Only Makeup-Air Units
	23 74 23.13	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 23	Custom-Packaged, Outdoor, Heating and Ventilating Makeup-Air Units
	23 75 33	Custom-Packaged, Outdoor, Heating and Cooling Makeup Air-
		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
າາ	80 00	
		Decentralized HVAC Equipment
23	81 00	Decentralized Unitary HVAC Equipment
	23 81 13	Packaged Terminal Air-Conditioners
	23 81 16	Room Air-Conditioners
	23 81 19	Self-Contained Air-Conditioners
	23 81 19.13	Small-Capacity Self-Contained Air-Conditioners
	23 81 19.16	Large-Capacity Self-Contained Air-Conditioners
	23 81 23	Computer-Room Air-Conditioners
	23 81 26	Split-System Air-Conditioners
	23 81 26.13	Small-Capacity Split-System Air-Conditioners
	23 81 26.16	Large-Capacity Split-System Air-Conditioners
	23 81 29	Variable Refrigerant Flow HVAC Systems
	23 81 43	Air-Source Unitary Heat Pumps
	23 81 46	Water-Source Unitary Heat Pumps
23	82 00	Convection Heating and Cooling Units
	23 82 13	Valance Heating and Cooling Units
	23 82 14	Chilled Beams
	23 82 16	Air Coils

23 82 19	Fan Coil Units
23 82 23	Unit Ventilators
23 82 26	Induction Units
23 82 29	Radiators
23 82 33	Convectors
23 82 36	Finned-Tube Radiation Heaters
23 82 39	Unit Heaters
23 82 39.13	Cabinet Unit Heaters
23 82 39.16	Propeller Unit Heaters
23 82 39.19	Wall and Ceiling Unit Heaters
23 82 41	Water-to-Water Heat Pumps
23 83 00	Radiant Heating Units
23 83 13	Radiant-Heating Electric Cables
23 83 13.16	Radiant-Heating Electric Mats
23 83 16	Radiant-Heating Hydronic Piping
23 03 10	
23 83 10	
	Radiant-Heating Electric Panels Electric Radiant Heaters
23 83 23	Radiant-Heating Electric Panels
23 83 23 23 83 33	Radiant-Heating Electric Panels Electric Radiant Heaters
23 83 23 23 83 33 23 84 00	Radiant-Heating Electric Panels Electric Radiant Heaters Humidity Control Equipment Humidifiers
23 83 23 23 83 33 23 84 00 23 84 13	Radiant-Heating Electric Panels Electric Radiant Heaters Humidity Control Equipment Humidifiers
23 83 23 23 83 33 23 84 00 23 84 13 23 84 13.13	Radiant-Heating Electric Panels Electric Radiant Heaters Humidity Control Equipment Humidifiers Heated-Pan Humidifiers
23 83 23 23 83 33 23 84 00 23 84 13 23 84 13.13 23 84 13.16	Radiant-Heating Electric Panels Electric Radiant Heaters Humidity Control Equipment Humidifiers Heated-Pan Humidifiers Wetted-Element Humidifiers Atomizing Humidifiers Direct-Steam-Injection Humidifiers
23 83 23 23 83 33 23 84 00 23 84 13 23 84 13.13 23 84 13.16 23 84 13.19 23 84 13.23 23 84 13.23 23 84 13.23	Radiant-Heating Electric Panels Electric Radiant Heaters Humidity Control Equipment Humidifiers Heated-Pan Humidifiers Wetted-Element Humidifiers Atomizing Humidifiers Direct-Steam-Injection Humidifiers Jacketed, Steam Humidifiers
23 83 23 23 83 33 23 84 00 23 84 13 23 84 13.13 23 84 13.16 23 84 13.19 23 84 13.23 23 84 13.23 23 84 13.26 23 84 13.29	Radiant-Heating Electric Panels Electric Radiant Heaters Humidity Control Equipment Humidifiers Heated-Pan Humidifiers Wetted-Element Humidifiers Atomizing Humidifiers Direct-Steam-Injection Humidifiers Jacketed, Steam Humidifiers Self-Contained Steam Humidifiers
23 83 23 23 83 33 23 84 00 23 84 13 23 84 13.13 23 84 13.16 23 84 13.19 23 84 13.23 23 84 13.23 23 84 13.29 23 84 13.29 23 84 13.33	Radiant-Heating Electric Panels Electric Radiant Heaters Humidity Control Equipment Humidifiers Heated-Pan Humidifiers Wetted-Element Humidifiers Atomizing Humidifiers Direct-Steam-Injection Humidifiers Jacketed, Steam Humidifiers Self-Contained Steam Humidifiers Portable Humidifiers
23 83 23 23 83 33 23 84 00 23 84 13 23 84 13.13 23 84 13.16 23 84 13.19 23 84 13.23 23 84 13.23 23 84 13.29 23 84 13.29 23 84 13.33 23 84 16	Radiant-Heating Electric Panels Electric Radiant Heaters Humidity Control Equipment Humidifiers Heated-Pan Humidifiers Wetted-Element Humidifiers Atomizing Humidifiers Direct-Steam-Injection Humidifiers Jacketed, Steam Humidifiers Self-Contained Steam Humidifiers Portable Humidifiers Mechanical Dehumidification Units
23 83 23 23 83 33 23 84 00 23 84 13 23 84 13.13 23 84 13.16 23 84 13.19 23 84 13.23 23 84 13.23 23 84 13.26 23 84 13.29 23 84 13.33 23 84 16 23 84 16.13	Radiant-Heating Electric Panels Electric Radiant Heaters Humidity Control Equipment Humidifiers Heated-Pan Humidifiers Wetted-Element Humidifiers Atomizing Humidifiers Direct-Steam-Injection Humidifiers Jacketed, Steam Humidifiers Self-Contained Steam Humidifiers Portable Humidifiers Mechanical Dehumidification Units Outdoor, Mechanical Dehumidification Units
23 83 23 23 83 33 23 84 00 23 84 13 23 84 13.13 23 84 13.16 23 84 13.19 23 84 13.23 23 84 13.23 23 84 13.29 23 84 13.29 23 84 13.33 23 84 16	Radiant-Heating Electric Panels Electric Radiant Heaters Humidity Control Equipment Humidifiers Heated-Pan Humidifiers Wetted-Element Humidifiers Atomizing Humidifiers Direct-Steam-Injection Humidifiers Jacketed, Steam Humidifiers Self-Contained Steam Humidifiers Portable Humidifiers Mechanical Dehumidification Units

23 84 19 Desiccant Dehumidification Units

25 00 00	Integrated Automation
25 01 00	Operation and Maintenance of Integrated Automation
25 01 10	Operation and Maintenance of Integrated Automation Network Equipment
25 01 20	Operation and Maintenance of Integrated Equipment
25 01 30	Operation and Maintenance of Integrated Automation Instrumentation and
25 01 90	Terminal Devices
	Diagnostic Systems for Integrated Automation
25 05 00	Common Work Results for Integrated Automation
25 05 05 25 05 13	Selective Demolition for Integrated Automation Conductors and Cables for Integrated Automation
25 05 15	Grounding and Bonding for Integrated Automation
25 05 28	Pathways for Integrated Automation
25 05 28.29	Hangers and Supports for Integrated Automation
25 05 28.33	Conduits and Backboxes for Integrated Automation
25 05 28.36 25 05 28.39	Cable Trays for Integrated Automation Surface Raceways for Integrated Automation
25 05 48	Vibration and Seismic Controls for Integrated Automation
25 05 53	Identification for Integrated Automation
25 06 00	Schedules for Integrated Automation
25 06 11	Schedules for Integrated Automation Network
25 06 12	Schedules for Integrated Automation Network Gateways
25 06 13	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
	Commissioning of Integrated Automation
25 08 00	Commissioning of Integrated Automation
25 08 00 25 10 00	Commissioning of Integrated Automation Integrated Automation Network
	Integrated Automation Network
25 10 00	Integrated Automation Network Equipment
	Integrated Automation Network Equipment Integrated Automation Network Devices
25 10 00 25 11 00	Integrated Automation Network Equipment
25 10 00 25 11 00 25 11 13	Integrated Automation Network Equipment Integrated Automation Network Devices Integrated Automation Network Servers
25 10 00 25 11 00 25 11 13 25 11 16 25 11 19	Integrated Automation Network Equipment Integrated Automation Network Devices Integrated Automation Network Servers Integrated Automation Network Routers, Bridges, Switches, Hubs, and Modems Integrated Automation Network Operator Workstations
25 10 00 25 11 00 25 11 13 25 11 16 25 11 19 25 12 00	Integrated Automation Network Equipment Integrated Automation Network Devices Integrated Automation Network Servers Integrated Automation Network Routers, Bridges, Switches, Hubs, and Modems Integrated Automation Network Operator Workstations Integrated Automation Network Operator Workstations
25 10 00 25 11 00 25 11 13 25 11 16 25 11 19 25 12 00 25 12 13	Integrated Automation Network Equipment Integrated Automation Network Devices Integrated Automation Network Servers Integrated Automation Network Routers, Bridges, Switches, Hubs, and Modems Integrated Automation Network Operator Workstations Integrated Automation Network Operator Workstations Hardwired Integration Network Gateways
25 10 00 25 11 00 25 11 13 25 11 16 25 11 19 25 12 00 25 12 13 25 12 16	Integrated Automation Network Equipment Integrated Automation Network Devices Integrated Automation Network Servers Integrated Automation Network Routers, Bridges, Switches, Hubs, and Modems Integrated Automation Network Operator Workstations Integrated Automation Network Operator Workstations Integrated Automation Network Gateways Hardwired Integration Network Gateways Direct-Protocol Integration Network Gateways
25 10 00 25 11 00 25 11 13 25 11 16 25 11 19 25 12 00 25 12 13 25 12 16 25 12 19	Integrated Automation Network Equipment Integrated Automation Network Devices Integrated Automation Network Servers Integrated Automation Network Routers, Bridges, Switches, Hubs, and Modems Integrated Automation Network Operator Workstations Integrated Automation Network Operator Workstations Hardwired Integration Network Gateways Direct-Protocol Integration Network Gateways Neutral-Protocol Integration Network Gateways
25 10 00 25 11 00 25 11 13 25 11 16 25 11 19 25 12 00 25 12 13 25 12 16 25 12 23	Integrated Automation Network Equipment Integrated Automation Network Devices Integrated Automation Network Servers Integrated Automation Network Routers, Bridges, Switches, Hubs, and Modems Integrated Automation Network Operator Workstations Integrated Automation Network Operator Workstations Hardwired Integration Network Gateways Direct-Protocol Integration Network Gateways Neutral-Protocol Integration Network Gateways Client-Server Information/Database Integration Network Gateways
25 10 00 25 11 00 25 11 13 25 11 16 25 11 19 25 12 00 25 12 13 25 12 16 25 12 19	Integrated Automation Network Equipment Integrated Automation Network Devices Integrated Automation Network Servers Integrated Automation Network Routers, Bridges, Switches, Hubs, and Modems Integrated Automation Network Operator Workstations Integrated Automation Network Operator Workstations Hardwired Integration Network Gateways Direct-Protocol Integration Network Gateways Neutral-Protocol Integration Network Gateways Client-Server Information/Database Integration Network Gateways
25 10 00 25 11 00 25 11 13 25 11 16 25 12 19 25 12 13 25 12 16 25 12 19 25 12 23 25 13 00	Integrated Automation Network Equipment Integrated Automation Network Devices Integrated Automation Network Servers Integrated Automation Network Routers, Bridges, Switches, Hubs, and Modems Integrated Automation Network Operator Workstations Integrated Automation Network Operator Workstations Integrated Automation Network Gateways Direct-Protocol Integration Network Gateways Neutral-Protocol Integration Network Gateways Client-Server Information/Database Integration Network Gateways Integrated Automation Control and Monitoring Network
25 10 00 25 11 00 25 11 13 25 11 16 25 11 19 25 12 00 25 12 13 25 12 16 25 12 23	Integrated Automation Network Equipment Integrated Automation Network Devices Integrated Automation Network Servers Integrated Automation Network Routers, Bridges, Switches, Hubs, and Modems Integrated Automation Network Operator Workstations Integrated Automation Network Operator Workstations Integrated Automation Network Gateways Direct-Protocol Integration Network Gateways Neutral-Protocol Integration Network Gateways Client-Server Information/Database Integration Network Gateways Integrated Automation Control and Monitoring Network Integrated Automation Control and Monitoring Network Supervisory
25 10 00 25 11 00 25 11 13 25 11 16 25 11 19 25 12 00 25 12 13 25 12 16 25 12 19 25 12 23 25 13 00 25 13 13	Integrated Automation Network Equipment Integrated Automation Network Devices Integrated Automation Network Servers Integrated Automation Network Routers, Bridges, Switches, Hubs, and Modems Integrated Automation Network Operator Workstations Integrated Automation Network Operator Workstations Integrated Automation Network Gateways Direct-Protocol Integration Network Gateways Neutral-Protocol Integration Network Gateways Client-Server Information/Database Integration Network Gateways Integrated Automation Control and Monitoring Network Integrated Automation Control and Monitoring Network Supervisory Control
25 10 00 25 11 00 25 11 13 25 11 16 25 12 19 25 12 13 25 12 16 25 12 19 25 12 23 25 13 00	Integrated Automation Network Equipment Integrated Automation Network Devices Integrated Automation Network Servers Integrated Automation Network Routers, Bridges, Switches, Hubs, and Modems Integrated Automation Network Operator Workstations Integrated Automation Network Operator Workstations Integrated Automation Network Gateways Direct-Protocol Integration Network Gateways Neutral-Protocol Integration Network Gateways Client-Server Information/Database Integration Network Gateways Integrated Automation Control and Monitoring Network Integrated Automation Control and Monitoring Network Supervisory
25 10 00 25 11 00 25 11 13 25 11 16 25 11 19 25 12 00 25 12 13 25 12 16 25 12 19 25 12 23 25 13 00 25 13 13 25 13 16	Integrated Automation Network Equipment Integrated Automation Network Devices Integrated Automation Network Servers Integrated Automation Network Routers, Bridges, Switches, Hubs, and Modems Integrated Automation Network Operator Workstations Integrated Automation Network Operator Workstations Integrated Automation Network Operator Workstations Direct-Protocol Integration Network Gateways Neutral-Protocol Integration Network Gateways Client-Server Information/Database Integration Network Gateways Integrated Automation Control and Monitoring Network Supervisory Control Integrated Automation Control and Monitoring Network Integration Panels Integrated Automation Control and Monitoring Network Interoperability
25 10 00 25 11 00 25 11 13 25 11 16 25 11 19 25 12 00 25 12 13 25 12 16 25 12 19 25 12 23 25 13 00 25 13 13 25 13 16 25 13 19	Integrated Automation Network Equipment Integrated Automation Network Devices Integrated Automation Network Servers Integrated Automation Network Routers, Bridges, Switches, Hubs, and Modems Integrated Automation Network Operator Workstations Integrated Automation Network Operator Workstations Integrated Automation Network Gateways Direct-Protocol Integration Network Gateways Neutral-Protocol Integration Network Gateways Client-Server Information/Database Integration Network Gateways Client-Server Information/Database Integration Network Gateways Integrated Automation Control and Monitoring Network Supervisory Control Integrated Automation Control and Monitoring Network Integration Panels

	Cystems
25 53 00	Integrated Automation Control of Fire-Suppression Systems
	Equipment
25 52 00	Integrated Automation Control of Conveying
25 51 00	Integrated Automation Control of Facility Equipment
25 50 00	Integrated Automation Facility Controls
	Devices for Electronic Safety and Security Systems
25 38 00	Integrated Automation Instrumentation and Terminal
	Devices for Communications Systems
25 37 00	Integrated Automation Instrumentation and Terminal
25 36 26	Integrated Automation Lighting Relays Integrated Automation UPS Monitors
25 36 23 25 36 26	Integrated Automation Battery Monitors
25 36 19	Integrated Automation Current Sensors
25 36 16	Integrated Automation KW Transducers
25 36 13	Devices for Electrical Systems Integrated Automation Power Meters
23 30 00	Integrated Automation Instrumentation and Terminal
25 35 26 25 36 00	Integrated Automation Compressed Air Supply
25 35 23	Integrated Automation Control Dampers
25 35 19	Integrated Automation Control Valves
25 35 16	Integrated Automation Sensors and Transmitters
25 35 13	Integrated Automation Actuators and Operators
23 33 00	Devices for HVAC
25 35 00	Integrated Automation Instrumentation and Terminal
23 37 00	Devices for Plumbing
25 34 00	Integrated Automation Instrumentation and Terminal
23 33 00	Devices for Fire-Suppression Systems
25 33 00	Integrated Automation Instrumentation and Terminal
	Devices for Conveying Equipment
25 32 00	Integrated Automation Instrumentation and Terminal
	Devices for Facility Equipment
25 31 00	Integrated Automation Instrumentation and Terminal
	and Terminal Devices
25 30 00	Integrated Automation Instrumentation
25 15 19	Integrated Automation Software for Local Control Units
25 15 13 25 15 16	Integrated Automation Software for Network Gateways Integrated Automation Software for Control and Monitoring Networks
25 15 00	Integrated Automation Software
25 14 23	Integrated Automation Field Equipment Panels
25 14 19	Integrated Automation Terminal Control Units

25 55 00	Integrated Automation Control of HVAC
25 56 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	Maintenance Testing of Electrical Systems
26 01 30	Operation and Maintenance of Facility Electrical Power Generating and
	Storing Equipment
26 01 40	Operation and Maintenance of Electrical Protection Systems
26 01 50	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 26 05 23	Manufactured Wiring Assemblies
26 05 25	Control-Voltage Electrical Power Cables Grounding and Bonding for Electrical Systems
26 05 20	Hangers and Supports for Electrical Systems
26 05 29	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 46	Utility Poles for Electrical Systems
26 05 48	Vibration and Seismic Controls for Electrical Systems
26 05 53	Identification for Electrical Systems
26 05 73	Overcurrent Protective Device Coordination Study
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 26 06 20.26	Electrical Circuit Schedule Wiring Device Schedule
26 06 20.20	Schedules for Facility Electrical Power Generating and Storing Equipment
26 06 40	Schedules for Electrical Protection Systems
26 06 10	Schedules for Lighting
26 06 50.13	Lighting Panelboard Schedule
26 06 50.16	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

Peak Load Controllers

Electrical Controls and Relays

26 09 15

26 09 16

	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	Central Dimming Controls
	26 09 33.13	Multichannel Remote-Controlled Dimmers
	26 09 33.16	Remote-Controlled Dimming Stations
	26 09 36	Modular Dimming Controls
	26 09 36.13 26 09 36.16	Manual Modular Dimming Controls
	26 09 30.10	Integrated Multipreset Modular Dimming Controls Network Lighting Controls
	26 09 43.13	Digital-Network Lighting Controls
	26 09 43.16	Addressable Fixture Lighting Control
	26 09 43.19	Wireless Network Lighting Controls
	26 09 61	Theatrical Lighting Controls
26	10 00	Medium-Voltage Electrical Distribution
26 1	11 00	Substations
	26 11 13	Primary Unit Substations
	26 11 16	Secondary Unit Substations
26 1	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 1	13 00	Medium-Voltage Switchgear
	26 13 13	Medium-Voltage Circuit Breaker Switchgear
	26 13 16	Medium-Voltage Fusible Interrupter Switchgear
	26 13 19	Medium-Voltage Vacuum Interrupter Switchgear
	26 13 23	Medium-Voltage Metal-Enclosed Switchgear
	26 13 26	Medium-Voltage Metal-Clad Switchgear
	26 13 29	Medium-Voltage Compartmentalized Switchgear
26 1	16 00	Medium-Voltage Metering
26 1	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	Medium-Voltage Reclosers
	26 18 29	Medium-Voltage Enclosed Bus
	26 18 33	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 Transmission
26 2	21 00	Low-Voltage Electrical Service Entrance
	26 21 13	Low-Voltage Overhead Electrical Service Entrance
	26 21 16	Low-Voltage Underground Electrical Service Entrance
00 0	00 00	Low Voltogo Tropoformoro

and

26 22 13	Low-Voltage Distribution Transformers
26 22 16	Low-Voltage Buck-Boost Transformers
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 19	Motor-Control Centers
26 25 00	Enclosed Bus Assemblies
26 26 00	Power Distribution Units
26 27 00	Low-Voltage Distribution Equipment
26 27 13	Electricity Metering
26 27 16	Electrical Cabinets and Enclosures
26 27 19	Multi-Outlet Assemblies
26 27 23	Indoor Service Poles
26 27 26	Wiring Devices
26 27 73	Door Chimes
26 28 00	Low-Voltage Circuit Protective Devices
26 28 13	Fuses
26 28 16	Enclosed Switches and Circuit Breakers
26 28 16.13	Enclosed Circuit Breakers Enclosed Switches
26 28 16.16 26 29 00	
26 29 13	Low-Voltage Controllers Enclosed Controllers
26 29 13	Across-the-Line Motor Controllers
26 29 13.16	Reduced-Voltage Motor Controllers
26 29 23	Variable-Frequency Motor Controllers
26 29 33	Controllers for Fire Pump Drivers
26 29 33.13	Full-Service Controllers for Fire Pump Electric-Motor Drivers
26 29 33.16	Limited-Service Controllers for Fire Pump Electric-Motor Drivers
26 29 33.19	Controllers for Fire Pump Diesel Engine Drivers
26 30 00	Facility Electrical Power Generating
	Storing Equipment
26 31 00	Photovoltaic Collectors
26 32 00	Packaged Generator Assemblies
26 32 13	Engine Generators
26 32 13	Diesel-Engine-Driven Generator Sets
26 32 13.16	Gas-Engine-Driven Generator Sets
26 32 13.26	Gas-Turbine Engine-Driven Generators
26 32 16	Steam-Turbine Generators
26 32 19	Hydro-Turbine Generators
26 32 23	Wind Energy Equipment
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 16Battery Racks26 33 19Battery Units26 33 23Central Battery Equipment26 33 33Static Power Converters	
26 33 23 Central Battery Equipment	
26 33 43 Battery Chargers	
26 33 46 Battery Monitoring	
26 33 53 Static Uninterruptible Power Supply	
26 35 00 Power Filters and Conditioners	
26 35 13 Capacitors	
26 35 16 Chokes and Inductors	
26 35 23 Electromagnetic-Interference Filters	
26 35 26 Harmonic Filters	
26 35 33 Power Factor Correction Equipment	
26 35 36 Slip Controllers	
26 35 43 Static-Frequency Converters 26 35 46 Radio-Frequency-Interference Filters	
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 Circ	uits
26 50 00 Lighting	
26 51 00 Interior Lighting	
26 51 13 Interior Lighting Fixtures, Lamps, And Ballasts	
26 52 00 Emergency Lighting	
26 53 00 Exit Signs	
26 54 00 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 Display Lighting	
26 55 61 Theatrical Lighting 26 55 63 Detention Lighting	
26 55 63 Detention 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 16	Parking Lighting
26 56 19	Roadway Lighting
26 56 23	Area Lighting
26 56 26	Landscape Lighting
26 56 29	Site Lighting
26 56 33	Walkway Lighting
26 56 36	Flood Lighting
26 56 68	Exterior Athletic 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 05	Selective Demolition for Communications
27 05 05	Communications Services
27 05 13.13	Dialtone Services
27 05 13.23	T1 Services
27 05 13.33	DSL Services
27 05 13.43	Cable Services
27 05 13.53 27 05 26	Satellite Services 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	Underground Ducts and Raceways for Communications Systems
27 05 46	Utility Poles for Communications Systems
27 05 48 27 05 53	Vibration and Seismic Controls for Communications Systems Identification for Communications Systems
27 06 00	Schedules for Communications
27 06 00	Schedules for Structured Cabling and Enclosures
27 06 10	Schedules for Data Communications
27 06 30	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
27 10 00	Structured Cabling
27 11 00	Communications Equipment Room Fittings
27 11 13	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 27 13 23.13	Communications Optical Fiber Backbone Cabling Communications Optical Fiber Splicing and Terminations
27 13 23.13	Communications Optical Fiber Splicing and Terminations
27 13 33.13	Communications Coaxial Splicing and Terminations
27 13 43	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 27 13 43.53	Cable Services Cabling
27 1		Satellite Services Cabling Communications Horizontal Cabling
	27 15 01 27 15 01.16	Communications Horizontal Cabling Applications
	27 15 01.18	Voice Communications Horizontal Cabling Data Communications Horizontal Cabling
	27 15 01.23	Audio-Video Communications Horizontal Cabling
	27 15 01.39	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	Antennas Communications Horizontal Cabling
	27 15 13	Communications Copper Horizontal Cabling
	27 15 23	Communications Optical Fiber Horizontal Cabling
	27 15 33	Communications Coaxial Horizontal Cabling
	27 15 43	Communications Faceplates and Connectors
27 1	6 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 2	20 00	Data Communications
27 2	1 00	Data Communications Network Equipment
27 2		Data Communications Network Equipment Data Communications Firewalls
	1 00 27 21 13 27 21 16	Data Communications Firewalls
	27 21 13	· · ·
	27 21 13	Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and
	27 21 13 27 21 16	Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems
	27 21 13 27 21 16 27 21 26	Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems Data Communications Network Management
	27 21 13 27 21 16 27 21 26 27 21 29 27 21 33	Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems Data Communications Network Management Data Communications Switches and Hubs
27 2	27 21 13 27 21 16 27 21 26 27 21 29 27 21 33	Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems Data Communications Network Management Data Communications Switches and Hubs Data Communications Wireless Access Points
27 2	27 21 13 27 21 16 27 21 26 27 21 29 27 21 33 2 00	Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems Data Communications Network Management Data Communications Switches and Hubs Data Communications Wireless Access Points Data Communications Hardware Data Communications Mainframes
27 2	27 21 13 27 21 16 27 21 26 27 21 29 27 21 33 2 00 27 22 13	Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems Data Communications Network Management Data Communications Switches and Hubs Data Communications Wireless Access Points Data Communications Hardware
27 2	27 21 13 27 21 16 27 21 26 27 21 29 27 21 33 2 00 27 22 13 27 22 13	Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems Data Communications Network Management Data Communications Switches and Hubs Data Communications Wireless Access Points Data Communications Hardware Data Communications Mainframes Data Communications Storage and Backup
27 2	27 21 13 27 21 16 27 21 26 27 21 29 27 21 33 2 00 27 22 13 27 22 13 27 22 16 27 22 19	Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems Data Communications Network Management Data Communications Switches and Hubs Data Communications Wireless Access Points Data Communications Hardware Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers
27 2	27 21 13 27 21 16 27 21 26 27 21 29 27 21 33 2 00 27 22 13 27 22 13 27 22 16 27 22 19 27 22 23	Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems Data Communications Network Management Data Communications Switches and Hubs Data Communications Wireless Access Points Data Communications Hardware Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers Data Communications Desktops
27 2	27 21 13 27 21 16 27 21 26 27 21 29 27 21 33 2 00 27 22 13 27 22 13 27 22 16 27 22 19 27 22 23 27 22 26 27 22 29	Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems Data Communications Network Management Data Communications Switches and Hubs Data Communications Wireless Access Points Data Communications Hardware Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers Data Communications Desktops Data Communications Laptops
27 2	27 21 13 27 21 16 27 21 26 27 21 29 27 21 33 2 00 27 22 13 27 22 13 27 22 16 27 22 19 27 22 23 27 22 26 27 22 29	 Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems Data Communications Network Management Data Communications Switches and Hubs Data Communications Wireless Access Points Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers Data Communications Laptops Data Communications Handhelds
27 2 27 2	27 21 13 27 21 16 27 21 26 27 21 29 27 21 33 2 00 27 22 13 27 22 13 27 22 16 27 22 19 27 22 23 27 22 23 27 22 26 27 22 29 4 00	 Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems Data Communications Network Management Data Communications Switches and Hubs Data Communications Wireless Access Points Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers Data Communications Laptops Data Communications Handhelds Data Communications Peripheral Data Equipment
27 2 27 2	27 21 13 27 21 16 27 21 26 27 21 29 27 21 33 2 00 27 22 13 27 22 13 27 22 16 27 22 19 27 22 23 27 22 26 27 22 29 4 00 27 24 13	Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems Data Communications Network Management Data Communications Switches and Hubs Data Communications Wireless Access Points Data Communications Hardware Data Communications Mainframes Data Communications Storage and Backup Data Communications Storage and Backup Data Communications Servers Data Communications Desktops Data Communications Laptops Data Communications Handhelds Data Communications Peripheral Data Equipment Printers
27 2	27 21 13 27 21 16 27 21 26 27 21 29 27 21 33 2 00 27 22 13 27 22 13 27 22 16 27 22 19 27 22 23 27 22 23 27 22 26 27 22 29 4 00 27 24 13 27 24 13	Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems Data Communications Network Management Data Communications Switches and Hubs Data Communications Wireless Access Points Data Communications Hardware Data Communications Mainframes Data Communications Storage and Backup Data Communications Storage and Backup Data Communications Servers Data Communications Desktops Data Communications Laptops Data Communications Handhelds Data Communications Peripheral Data Equipment Printers Scanners
27 2	27 21 13 27 21 16 27 21 26 27 21 29 27 21 33 2 00 27 22 13 27 22 13 27 22 16 27 22 19 27 22 23 27 22 23 27 22 26 27 22 29 4 00 27 24 13 27 24 13 27 24 16 27 24 19 27 24 23 27 24 26	Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems Data Communications Network Management Data Communications Switches and Hubs Data Communications Wireless Access Points Data Communications Hardware Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers Data Communications Servers Data Communications Desktops Data Communications Laptops Data Communications Handhelds Data Communications Peripheral Data Equipment Printers Scanners External Drives Audio-Video Devices Virtual Reality Equipment
27 2	27 21 13 27 21 16 27 21 26 27 21 29 27 21 33 2 00 27 22 13 27 22 13 27 22 16 27 22 19 27 22 23 27 22 23 27 22 29 4 00 27 24 13 27 24 16 27 24 19 27 24 23 27 24 26 27 24 29	Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems Data Communications Network Management Data Communications Switches and Hubs Data Communications Wireless Access Points Data Communications Mainframes Data Communications Mainframes Data Communications Storage and Backup Data Communications Desktops Data Communications Laptops Data Communications Handhelds Data Communications Peripheral Data Equipment Printers Scanners External Drives Audio-Video Devices Virtual Reality Equipment Disaster Recovery Equipment
27 2	27 21 13 27 21 16 27 21 26 27 21 29 27 21 33 2 00 27 22 13 27 22 13 27 22 16 27 22 19 27 22 23 27 22 23 27 22 29 4 00 27 24 13 27 24 16 27 24 19 27 24 23 27 24 26 27 24 29	Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems Data Communications Network Management Data Communications Switches and Hubs Data Communications Wireless Access Points Data Communications Mainframes Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers Data Communications Desktops Data Communications Laptops Data Communications Handhelds Data Communications Peripheral Data Equipment Printers Scanners External Drives Audio-Video Devices Virtual Reality Equipment
27 2 27 2 27 2	27 21 13 27 21 16 27 21 26 27 21 29 27 21 33 2 00 27 22 13 27 22 13 27 22 16 27 22 19 27 22 23 27 22 23 27 22 29 4 00 27 24 13 27 24 16 27 24 19 27 24 23 27 24 26 27 24 29	Data Communications Firewalls Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems Data Communications Network Management Data Communications Switches and Hubs Data Communications Wireless Access Points Data Communications Hardware Data Communications Mainframes Data Communications Storage and Backup Data Communications Storage and Backup Data Communications Servers Data Communications Desktops Data Communications Laptops Data Communications Handhelds Data Communications Peripheral Data Equipment Printers Scanners External Drives Audio-Video Devices Virtual Reality Equipment Disaster Recovery Equipment

	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	Interactive Voice Response
	27 33 26	Facsimile Servers
27	34 00	Call Accounting
21	27 34 13	Toll Fraud Equipment and Software
	27 34 15	Telemanagement Software
27	35 00	Call Management
21	27 35 13	Digital Voice Announcers
	27 35 15	Automatic Call Distributors
	27 35 10	Call Status and Management Displays
	27 35 23	Dedicated 911 Systems
27	40 00	Audio-Video Communications
	41 00	Audio-Video Systems
21	27 41 13	Architecturally Integrated Audio-Video Equipment
	27 41 15 27 41 16	Integrated Audio-Video Systems and Equipment
	27 41 16	Integrated Audio-Video Systems and Equipment for Restaurants and Bars
	27 41 16.23	Integrated Audio-Video Systems and Equipment for Conference Rooms
	27 41 16.29	Integrated Audio-Video Systems and Equipment for Board Rooms
	27 41 16.51	Integrated Audio-Video Systems and Equipment for Classrooms

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- 27 41 16.52 Integrated Audio-Video Systems and Equipment for Religious Facilities
- Integrated Audio-Video Systems and Equipment for Theaters 27 41 16.61
- 27 41 16.62 Integrated Audio-Video Systems and Equipment for Auditoriums
- 27 41 16.63 Integrated Audio-Video Systems and Equipment for Stadiums and Arenas
- 27 41 19 Portable Audio-Video Equipment
- 27 41 23 Audio-Video Accessories
- 27 41 33 Master Antenna Television Systems
- 27 41 43 Audio-Video Conferencing

27 42 00 **Electronic Digital Systems**

- 27 42 13 Point of Sale Systems
- **Transportation Information Display Systems** 27 42 16
- 27 42 19 **Public Information Systems**

27 50 00 **Distributed Communications and** Monitoring Systems **Distributed Audio-Video Communications Systems**

27 51 00

27 52 00

- Paging Systems 27 51 13
- **Overhead Paging Systems** 27 51 13.13
- **Public Address Systems** 27 51 16
- 27 51 19
- Sound Masking Systems
- 27 51 23 Intercommunications and Program Systems
- 27 51 23.20 **Commercial Intercommunications and Program Systems**
- **Residential Intercommunications and Program Systems** 27 51 23.30
- 27 51 23.50 Educational Intercommunications and Program Systems
- **Detention Intercommunications and Program Systems** 27 51 23.63
- Healthcare Intercommunications and Program Systems 27 51 23.70
- 27 51 26 Assistive Listening Systems

Healthcare Communications and Monitoring Systems

- 27 52 13 Patient Monitoring and Telemetry Systems
- 27 52 16 **Telemedicine Systems**
- Healthcare Imaging Systems 27 52 19
- 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 28 01 00Electronic Safety and Security Operation and Maintenance of Electronic Safety and Security28 01 10Operation and Maintenance of Electronic Access Control and Intrusion Detection28 01 10.51Maintenance and Administration of Electronic Access Control and Intrusion Detection28 01 10.51Maintenance and Administration of Electronic Access Control and Intrusion Detection28 01 10.71 28 05 00Electronic Detection in d Alarm Maintenance and Administration of Electronic Monitoring and Control Maintenance and Administration of Electronic Monitoring and Control Maintenance and Administration of Electronic Monitoring and Control Maintenance and Administration of Electronic Safety and Security28 05 00Common Work Results for Electronic Safety and Security Conductors and Cables for Electronic Safety and Security Conductors and Cables for Electronic Safety and Security
28 01 10Operation and Maintenance of Electronic Access Control and Intrusion Detection28 01 10.51Maintenance and Administration of Electronic Access Control and Intrusion Detection28 01 10.71Revisions and Upgrades of Electronic Access Control and Intrusion Detection28 01 20Operation and Maintenance of Electronic Surveillance28 01 30Operation and Maintenance of Electronic Detection and Alarm28 01 30.51Maintenance and Administration of Electronic Detection and Alarm28 01 30.51Naintenance and Administration of Electronic Detection and Alarm28 01 30.71Revisions and Upgrades of Electronic Detection and Alarm28 01 40Operation and Maintenance of Electronic Monitoring and Control28 01 40.71Revisions and Upgrades of Electronic Monitoring and Control28 05 00Common Work Results for Electronic Safety and Security28 05 05Selective Demolition for Electronic Safety and Security Conductors and Cables for Electronic Safety and Security
28 01 10.51Detection28 01 10.51Maintenance and Administration of Electronic Access Control and Intrusion Detection28 01 10.71Revisions and Upgrades of Electronic Access Control and Intrusion Detection28 01 20Operation and Maintenance of Electronic Surveillance28 01 30Operation and Maintenance of Electronic Detection and Alarm28 01 30.51Maintenance and Administration of Electronic Detection and Alarm28 01 30.51Revisions and Upgrades of Electronic Detection and Alarm28 01 30.71Revisions and Upgrades of Electronic Detection and Alarm28 01 40Operation and Maintenance of Electronic Monitoring and Control28 01 40Operation and Administration of Electronic Monitoring and Control28 01 40.71Revisions and Upgrades of Electronic Monitoring and Control28 05 00Common Work Results for Electronic Safety and Security28 05 05Selective Demolition for Electronic Safety and Security Conductors and Cables for Electronic Safety and Security
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28 01 20 28 01 30Operation and Maintenance of Electronic Surveillance Operation and Maintenance of Electronic Detection and Alarm Maintenance and Administration of Electronic Detection and Alarm Revisions and Upgrades of Electronic Detection and Alarm Operation and Maintenance of Electronic Monitoring and Control Maintenance and Administration of Electronic Monitoring and Control Maintenance and Administration of Electronic Monitoring and Control Revisions and Upgrades of Electronic Monitoring and Control Revisions and Upgrades of Electronic Monitoring and Control Revisions and Upgrades of Electronic Monitoring and Control28 05 00Common Work Results for Electronic Safety and Security Conductors and Cables for Electronic Safety and Security Conductors and Cables for Electronic Safety and Security
28 01 30 28 01 30.51 28 01 30.71 28 01 30.71 28 01 40 28 01 40.51 28 01 40.51Operation and Maintenance of Electronic Detection and Alarm Revisions and Upgrades of Electronic Detection and Alarm Operation and Maintenance of Electronic Monitoring and Control Maintenance and Administration of Electronic Monitoring and Control Maintenance and Administration of Electronic Monitoring and Control Revisions and Upgrades of Electronic Monitoring and Control Revisions and Upgrades of Electronic Monitoring and Control28 05 00Common Work Results for Electronic Safety and Security Conductors and Cables for Electronic Safety and Security
 28 01 30.51 28 01 30.71 28 01 30.71 28 01 40 28 01 40 28 01 40.51 28 01 40.51 28 01 40.71 28 05 00 28 05 05 28 05 13 Administration of Electronic Detection and Alarm Administration of Electronic Monitoring and Control Maintenance and Administration of Electronic Monitoring and Control Revisions and Upgrades of Electronic Monitoring and Control Selective Demolition for Electronic Safety and Security Conductors and Cables for Electronic Safety and Security
28 01 40 28 01 40.51 28 01 40.71Operation and Maintenance of Electronic Monitoring and Control Maintenance and Administration of Electronic Monitoring and Control Revisions and Upgrades of Electronic Monitoring and Control28 05 00Common Work Results for Electronic Safety and Security28 05 05 28 05 13Selective Demolition for Electronic Safety and Security Conductors and Cables for Electronic Safety and Security
28 01 40.51 28 01 40.71Maintenance and Administration of Electronic Monitoring and Control Revisions and Upgrades of Electronic Monitoring and Control28 05 00Common Work Results for Electronic Safety and Security28 05 05 28 05 13Selective Demolition for Electronic Safety and Security Conductors and Cables for Electronic Safety and Security
28 01 40.71Revisions and Upgrades of Electronic Monitoring and Control28 05 00Common Work Results for Electronic Safety and Security28 05 05 28 05 13Selective Demolition for Electronic Safety and Security Conductors and Cables for Electronic Safety and Security
28 05 05 28 05 13 Selective Demolition for Electronic Safety and Security Conductors and Cables for Electronic Safety and Security
28 05 05Selective Demolition for Electronic Safety and Security28 05 13Conductors and Cables for Electronic Safety and Security
28 05 13 Conductors and Cables for Electronic Safety and Security
28 06 12 12 CCLV/ Communications Conductors and Cables
28 05 13.13 CCTV Communications Conductors and Cables 28 05 13.16 Access Control Communications Conductors and Cables
28 05 13.19 Intrusion Detection Communications Conductors and Cables
28 05 13.23 Fire Alarm Communications Conductors and Cables
 28 05 26 Grounding and Bonding for Electronic Safety and Security 28 05 28 Pathways for Electronic Safety and Security
28 05 28.29 Hangers and Supports for Electronic Safety and Security
28 05 28.33 Conduits and Backboxes for Electronic Safety and Security
28 05 28.36 Cable Trays for Electronic Safety and Security 28 05 28.39 Surface Raceways for Electronic Safety and Security
28 05 48 Vibration and Seismic Controls for Electronic Safety and Security
28 05 53 Identification for Electronic Safety and Security
28 06 00 Schedules for Electronic Safety and Security
28 06 10 Schedules for Electronic Access Control and Intrusion Detection
 28 06 20 Schedules for Electronic Surveillance 28 06 30 Schedules for Electronic Detection and Alarm
28 06 40 Schedules for Electronic Monitoring and Control
28 08 00 Commissioning of Electronic Safety and Security
28 10 00 Electronic Access Control and Intrusion
Detection
28 13 00 Access Control
28 13 13 Access Control Global Applications
28 13 16 Access Control Systems and Database Management
 28 13 19 Access Control Systems Infrastructure 28 13 26 Access Control Remote Devices
28 13 26.11 Wireless Access Control Devices
28 13 33 Access Control Interfaces
28 13 33.16Access Control Interfaces to Access Control Hardware28 13 33.26Access Control Interfaces to Intrusion Detection

	28 13 33.33 28 13 33.36 28 13 43 28 13 53 28 13 53.13 28 13 53.16 28 13 53.23 28 13 53.29 28 13 63	Access Control Interfaces to Video Surveillance Access Control Interfaces to Fire Alarm Access Control Identification Management Systems Security Access Detection Security Access Metal Detectors Security Access X-Ray Equipment Security Access Explosive Detection Equipment Security Access Sniffing Equipment Access Control Vehicle Identification System
28 1	6 00	Intrusion Detection
20	28 16 13 28 16 16 28 16 19 28 16 33 28 16 33.13 28 16 33.16 28 16 33.23 28 16 33.33 28 16 33.36 28 16 43	Intrusion Detection Control, GUI, and Logic Systems Intrusion Detection Systems Infrastructure Intrusion Detection Remote Devices and Sensors Intrusion Detection Interfaces Intrusion Detection Interfaces to Remote Monitoring Intrusion Detection Interfaces to Access Control Hardware Intrusion Detection Interfaces to Access Control System Intrusion Detection Interfaces to Video Surveillance Intrusion Detection Interfaces to Fire Alarm Perimeter Security Systems
28	20 00	Electronic Surveillance
	23 00	Video Surveillance
	28 23 13 28 23 16 28 23 19 28 23 23 28 23 23 28 23 26 28 23 29	Video Surveillance Control and Management Systems Video Surveillance Monitoring and Supervisory Interfaces Digital Video Recorders and Analog Recording Devices Video Surveillance Systems Infrastructure Video Surveillance Remote Positioning Equipment Video Surveillance Remote Devices and Sensors
28 2	26 00	Electronic Personal Protection Systems
28	28 26 13 28 26 16 28 26 19 28 26 23 30 00	Electronic Personal Safety Detection Systems Electronic Personal Safety Alarm Annunciation and Control Systems Electronic Personal Safety Interfaces to Remote Monitoring Electronic Personal Safety Emergency Aid Devices Electronic Detection and Alarm
20 3	28 31 11 28 31 12 28 31 13 28 31 23 28 31 23 28 31 33 28 31 33.13 28 31 33.13 28 31 33.23 28 31 33.26 28 31 33.33 28 31 33.43 28 31 43 28 31 46 28 31 49 28 31 53	Fire Detection and Alarm Digital, Addressable Fire-Alarm Systems Zoned (DC Loop) Fire-Alarm Systems Fire Detection and Alarm Control, GUI, and Logic Systems Fire Detection and Alarm Annunciation Panels and Fire Stations Fire Detection and Alarm Interfaces Fire Detection and Alarm Interfaces to Remote Monitoring Fire Detection and Alarm Interfaces to Access Control Hardware Fire Detection and Alarm Interfaces to Access Control Hardware Fire Detection and Alarm Interfaces to Access Control System Fire Detection and Alarm Interfaces to Intrusion Detection Fire Detection and Alarm Interfaces to Video Surveillance Fire Detection and Alarm Interfaces to Elevator Control Fire Detection Sensors Smoke Detection Sensors Carbon-Monoxide Detection Sensors Fire Alarm Initiating Devices

28 31 53.13	Fire Alarm Pull Stations
28 31 53.23	Fire Alarm Level Detectors Switches
28 31 53.33	Fire Alarm Flow Switches
28 31 53.43	Fire Alarm Pressure Sensors
28 31 63	Fire Alarm Integrated Audio Visual Evacuation Systems
28 31 63.13	Fire Alarm Horns and Strobes
28 32 00	Radiation Detection and Alarm
28 32 13	Radiation Detection and Alarm Control, GUI, and Logic Systems
28 32 23	Radiation Detection and Alarm Integrated Audio Evacuation Systems
28 32 33	Radiation Detection Sensors
28 32 43	Radiation Dosimeters
28 33 00	Gas Detection and Alarm
28 33 13	Gas Detection and Alarm Control, GUI, and Logic Systems
28 33 23	Gas Detection and Alarm Integrated Audio Evacuation Systems
28 33 33	Gas Detection Sensors
28 34 00	Fuel-Oil Detection and Alarm
28 34 13	Fuel-Oil Detection and Alarm Control, GUI, and Logic Systems
28 34 23	Fuel-Oil Detection and Alarm Integrated Audio Evacuation Systems
28 34 33	Fuel-Oil Detection Sensors
28 35 00	Refrigerant Detection and Alarm
28 35 13	Refrigerant Detection and Alarm Control, GUI, and Logic Systems
28 35 23	Refrigerant Detection and Alarm Integrated Audio Evacuation Systems
28 35 33	Refrigerant Detection Sensors
28 36 00	Water Detection and Alarm
28 36 13	Water Detection and Alarm Control, GUI, and Logic Systems
28 36 33	Water Detection and Alarm Control, GOI, and Logic Systems
28 36 43	Building Envelope Water Detection and Alarm
28 39 00	•
	Mass Notification Systems
28 40 00	Electronic Monitoring and Control
28 41 00	Electronic Structural Monitoring Systems
28 46 00	Electronic Detention Monitoring and Control Systems
28 46 13	Hard-Wired Detention Monitoring and Control Systems
28 46 16	Relay-Logic Detention Monitoring and Control Systems
28 46 19	PLC Electronic Detention Monitoring and Control Systems
28 46 23	Computer-Based Detention Monitoring and Control Systems
28 46 26	Discreet-Logic Detention Monitoring and Control Systems
28 46 29	Discreet-Distributed Intelligence Detention Monitoring and Control Systems
20 40 23	Discrete Distributed intelligence Determon Monitoring and Control Systems

31 00 00 **Earthwork** 31 01 00 Maintenance of Earthwork Maintenance of Clearing 31 01 10 Maintenance of Earth Moving 31 01 20 31 01 40 Maintenance of Shoring and Underpinning Maintenance of Excavation Support and Protection 31 01 50 Maintenance of Special Foundations and Load Bearing Elements 31 01 60 31 01 62 Maintenance of Driven Piles **Driven Pile Repairs** 31 01 62.61 31 01 63 Maintenance of Bored and Augered Piles 31 01 63.61 Bored and Augered Pile Repairs Maintenance of Tunneling and Mining 31 01 70 31 01 70.61 **Tunnel Leak Repairs Common Work Results for Earthwork** 31 05 00 31 05 05 Selective Demolition for Earthwork Soils for Earthwork 31 05 13 31 05 16 Aggregates for Earthwork 31 05 19 Geosynthetics for Earthwork 31 05 19.13 Geotextiles for Earthwork 31 05 19.16 Geomembranes for Earthwork 31 05 19.19 Geogrids for Earthwork 31 05 19.23 **Geosynthetic Clay Liners** Geocomposites 31 05 19.26 Geonets 31 05 19.29 Cement and Concrete for Earthwork 31 05 23 31 06 00 Schedules for Earthwork 31 06 10 Schedules for Clearing Schedules for Earth Moving 31 06 20 31 06 20.13 **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 **Driven Pile Schedule** 31 06 60.16 Caisson Schedule 31 06 70 Schedules for Tunneling and Mining 31 08 00 Commissioning of Earthwork 31 08 13 **Pile Load Testing Dynamic Pile Load Testing** 31 08 13.13 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 Groundwater Monitoring During Construction Foundation Performance Instrumentation 31 09 16 Bored and Augered Pile Load Tests 31 09 16.26 31 10 00 Site Clearing **Clearing and Grubbing** 31 11 00 31 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	Soil Stripping
31 14 13.16	Soil Stockpiling
31 14 13.23 31 14 16	Topsoil Stripping and Stockpiling Sod Stripping and Stockpiling
31 14 16.13	Sod Stripping and Stockpling Sod Stripping
31 14 16.16	Sod Stockpiling
31 20 00	Earth Moving
	-
31 21 00	Off-Gassing Mitigation
31 21 13 31 21 13.13	Radon Mitigation
31 21 16	Radon Venting Methane Mitigation
31 21 16.13	Methane Venting
31 22 00	Grading
31 22 13	Rough Grading
31 22 16	Fine Grading
31 22 16.13	Roadway Subgrade Reshaping
31 22 19	Finish Grading
31 22 19.13	Spreading and Grading Topsoil
31 23 00	Excavation and Fill
31 23 13	Subgrade Preparation
31 23 16	Excavation
31 23 16.13	Trenching
31 23 16.16	Structural Excavation for Minor Structures
31 23 16.26	Rock Removal
31 23 19 31 23 23	Dewatering Fill
31 23 23.13	Backfill
31 23 23.23	Compaction
31 23 23.33	Flowable Fill
31 23 23.43	Geofoam
31 23 33	Trenching and Backfilling
31 24 00	Embankments
31 24 13	Roadway Embankments
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	Hydraulically-Applied Erosion Control
31 25 14.16 31 25 24	Rolled Erosion Control Mats and Blankets Structural Measures for Erosion and Sedimentation Control
31 25 24	Rock Barriers
31 25 34	Retention Measures for Erosion and Sedimentation Controls
31 25 34.13	Rock Basins
31 30 00	Earthwork Methods
31 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	Termite Control Bait Systems
	31 31 16.19	Termite Control Barriers
	31 31 19	Vegetation Control
• •	31 31 19.13	Chemical Vegetation Control
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	Lime-Fly-Ash Soil Stabilization
	31 32 16	Chemical Treatment Soil Stabilization
	31 32 16.13	Polymer Emulsion Soil Stabilization
	31 32 17	Water Injection Soil Stabilization
	31 32 19 31 32 19.13	Geosynthetic Soil Stabilization and Layer Separation
	31 32 19.13	Geogrid Soil Stabilization 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 32 23.13	Cementitious Pressure Grouting Soil Stabilization
	31 32 23.16	Chemical Pressure Grouting Soil Stabilization
	31 32 33	Shotcrete Soil Slope Stabilization
	31 32 36	Soil Nailing
	31 32 36.13	Driven Soil Nailing
	31 32 36.16	Grouted Soil Nailing
	31 32 36.19	Corrosion-Protected Soil Nailing
	31 32 36.23	Jet-Grouted Soil Nailing
	31 32 36.26	Launched Soil Nailing
31	33 00	Rock Stabilization
	31 33 13	Rock Bolting and Grouting
	31 33 23	Rock Slope Netting
	31 33 26	Rock Slope Wire Mesh
	31 33 33	Shotcrete Rock Slope Stabilization
	31 33 43	Vegetated Rock Slope Stabilization
31	34 00	Soil Reinforcement
	31 34 19	Geosynthetic Soil Reinforcement
	31 34 19.13	Geogrid Soil Reinforcement
	31 34 19.16	Geotextile Soil Reinforcement
	31 34 23	Fiber Soil Reinforcement
	31 34 23.13	Geosynthetic Fiber Soil Reinforcement
31	35 00	Slope Protection
	31 35 19	Geosynthetic Slope Protection
	31 35 19.13	Geogrid Slope Protection

31 35 19.16 Geotextile Slope Protection

31	51 00	Anchor Tiebacks
	50 00	Excavation Support and Protection
21		
	31 48 23	Micropile Underpinning
	31 48 19	Jacked Piers
	31 48 13	Bracket Piers
51	31 48 13	Underprinning Piers
21	48 00	Underpinning
	31 46 13	Cantilever Needle Beams
31	46 00	Needle Beams
	31 45 16	Densification
	31 45 13	Vibroflotation
31	45 00	Vibroflotation and Densification
	31 43 19	Mechanical Jacking
	31 43 16	Compaction Grouting
	31 43 13.16	Polyurethane Pressure Grouting
	31 43 13.13	Concrete Pressure Grouting
•••	31 43 13	Pressure Grouting
31	43 00	Concrete Raising
	31 41 33	Trench Shielding
	31 41 23	Pneumatic Shoring
	31 41 19.13	Aluminum Hydraulic Shoring
	31 41 19	Metal Hydraulic Shoring
	31 41 16.13	Plastic Sheet Piling
	31 41 16 31 41 16.13	Sheet Piling Steel Sheet Piling
	31 41 13	Timber Shoring
31	41 00	Shoring
31	40 00	Shoring and Underpinning
	31 37 16.19	Sacked Sand-Cement Riprap
	31 37 16.16	Concrete Unit Masonry Riprap
	31 37 16.13	Rubble-Stone Riprap
	31 37 16	Non-Machined Riprap
U 1	31 37 13	Machined Riprap
31	37 00	Riprap
	31 36 19.13	Vegetated Gabion Mattresses
	31 36 19	Gabion Mattresses
• ·	31 36 13	Gabion Boxes
31	36 00	Gabions
	31 35 26.23	Bentonite Slurry Trench
	31 35 26.13	Geomembrane Containment Barriers
	31 35 26 31 35 26.13	Containment Barriers Clay Containment Barriers
	31 35 23.19 31 35 26	Concrete Unit Masonry Slope Paving
	31 35 23.16	Precast Concrete Slope Paving
	31 35 23.13	Cast-In-Place Concrete Slope Paving
	31 35 23	Slope Protection with Slope Paving
	31 35 19.19	Slope Protection with Mulch Control Netting

- 31 51 13 **Excavation Soil Anchors** 31 51 16
 - **Excavation Rock Anchors**

31	52 00	Cofferdams
51	31 52 13	Sheet Piling Cofferdams
	31 52 16	Timber Cofferdams
	31 52 19	Precast Concrete Cofferdams
31	53 00	Cribbing and Walers
51	31 53 13	Timber Cribwork
21	54 00	
-		Ground Freezing
31	56 00	Slurry Walls
	31 56 13	Bentonite Slurry Walls
	31 56 13.13 31 56 13.16	Soil-Bentonite Slurry Walls Cement-Bentonite Slurry Walls
	31 56 13.10	Slag-Cement-Bentonite Slurry Walls
	31 56 13.23	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 31 56 19	Soil-Attipulgite Slurry Walls
	31 56 23	Slurry-Geomembrane Composite Slurry Walls Lean Concrete Slurry Walls
	31 56 26	Bio-Polymer Trench Drain
24		_ · · · · _ · · · · · · · · · · · ·
31	60 00	Special Foundations and Load-Bearing
		Elements
31	62 00	Driven Piles
	31 62 13	Concrete Piles
	31 62 13.13	Cast-in-Place Concrete Piles
	31 62 13.16	Concrete Displacement Piles
	31 62 13.19 31 62 13.23	Precast Concrete Piles Prestressed Concrete Piles
	31 62 13.26	Pressure-Injected Footings
	31 62 16	Steel Piles
	31 62 16.13	Sheet Steel Piles
	31 62 16.16	Steel H Piles
	31 62 16.19	Unfilled Tubular Steel Piles
	31 62 19 31 62 23	Timber Piles Composite Piles
	31 62 23.13	Concrete-Filled Steel Piles
	31 62 23.16	Wood and Cast-In-Place Concrete Piles
31	63 00	Bored Piles
	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	Bored Concrete Piles
	31 63 23.13	Bored and Belled Concrete Piles
	31 63 23.16 31 63 26	Bored Friction Concrete Piles Drilled Caissons
	31 63 26.13	Fixed End Caisson Piles
	31 63 26.16	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
01	31 64 13	Box Caissons
	31 64 16	Excavated Caissons
	31 64 19	Floating Caissons
	31 64 23	Open Caissons
	31 64 26	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	Helical Foundation Piles
	31 66 16	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	Manufactured Modular Foundation Walls Mechanically Stabilized Earth Foundation Walls
	31 66 16.46	Slurry Diaphragm Foundation Walls
	31 66 16.53	Soldier-Beam Foundation Walls
	31 66 16.56	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
	70 00 71 00	Tunneling and Mining Tunnel Excavation
	71 00	Tunnel Excavation Shield Driving Tunnel Excavation Tunnel Excavation by Drilling and Blasting
	71 00 31 71 13 31 71 16 31 71 19	Tunnel Excavation Shield Driving Tunnel Excavation Tunnel Excavation by Drilling and Blasting Tunnel Excavation by Tunnel Boring Machine
31	71 00 31 71 13 31 71 16 31 71 19 31 71 23	Tunnel Excavation Shield Driving Tunnel Excavation Tunnel Excavation by Drilling and Blasting Tunnel Excavation by Tunnel Boring Machine Tunneling by Cut and Cover
31	71 00 31 71 13 31 71 16 31 71 19	Tunnel Excavation Shield Driving Tunnel Excavation Tunnel Excavation by Drilling and Blasting Tunnel Excavation by Tunnel Boring Machine
31	71 00 31 71 13 31 71 16 31 71 19 31 71 23	Tunnel Excavation Shield Driving Tunnel Excavation Tunnel Excavation by Drilling and Blasting Tunnel Excavation by Tunnel Boring Machine Tunneling by Cut and Cover
31	71 00 31 71 13 31 71 16 31 71 19 31 71 23 72 00	Tunnel Excavation Shield Driving Tunnel Excavation Tunnel Excavation by Drilling and Blasting Tunnel Excavation by Tunnel Boring Machine Tunneling by Cut and Cover Tunnel Support Systems
31 31	71 00 31 71 13 31 71 16 31 71 19 31 71 23 72 00 31 72 13	Tunnel ExcavationShield Driving Tunnel ExcavationTunnel Excavation by Drilling and BlastingTunnel Excavation by Tunnel Boring MachineTunneling by Cut and CoverTunnel Support SystemsRock Reinforcement and Initial Support
31 31	71 00 31 71 13 31 71 16 31 71 19 31 71 23 72 00 31 72 13 31 72 16	Tunnel ExcavationShield Driving Tunnel ExcavationTunnel Excavation by Drilling and BlastingTunnel Excavation by Tunnel Boring MachineTunneling by Cut and CoverTunnel Support SystemsRock Reinforcement and Initial SupportSteel Ribs and LaggingTunnel GroutingCement Tunnel Grouting
31 31	71 00 31 71 13 31 71 16 31 71 19 31 71 23 72 00 31 72 13 31 72 16 73 00	Tunnel ExcavationShield Driving Tunnel ExcavationTunnel Excavation by Drilling and BlastingTunnel Excavation by Tunnel Boring MachineTunneling by Cut and CoverTunnel Support SystemsRock Reinforcement and Initial SupportSteel Ribs and LaggingTunnel Grouting
31 31 31	71 00 31 71 13 31 71 16 31 71 19 31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13	Tunnel ExcavationShield Driving Tunnel ExcavationTunnel Excavation by Drilling and BlastingTunnel Excavation by Tunnel Boring MachineTunneling by Cut and CoverTunnel Support SystemsRock Reinforcement and Initial SupportSteel Ribs and LaggingTunnel GroutingCement Tunnel Grouting
31 31 31	71 00 31 71 13 31 71 16 31 71 19 31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16	Tunnel ExcavationShield Driving Tunnel ExcavationTunnel Excavation by Drilling and BlastingTunnel Excavation by Tunnel Boring MachineTunneling by Cut and CoverTunnel Support SystemsRock Reinforcement and Initial SupportSteel Ribs and LaggingTunnel GroutingCement Tunnel GroutingChemical Tunnel Grouting
31 31 31	71 00 31 71 13 31 71 16 31 71 19 31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00	Tunnel ExcavationShield Driving Tunnel ExcavationTunnel Excavation by Drilling and BlastingTunnel Excavation by Tunnel Boring MachineTunneling by Cut and CoverTunnel Support SystemsRock Reinforcement and Initial SupportSteel Ribs and LaggingTunnel GroutingCement Tunnel GroutingChemical Tunnel GroutingTunnel Construction
31 31 31	71 00 31 71 13 31 71 16 31 71 19 31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00 31 74 13	Tunnel ExcavationShield Driving Tunnel ExcavationTunnel Excavation by Drilling and BlastingTunnel Excavation by Tunnel Boring MachineTunneling by Cut and CoverTunnel Support SystemsRock Reinforcement and Initial SupportSteel Ribs and LaggingTunnel GroutingCement Tunnel GroutingChemical Tunnel GroutingChemical Tunnel GroutingCast-in-Place Concrete Tunnel Lining
31 31 31 31	71 00 31 71 13 31 71 16 31 71 19 31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00 31 74 13 31 74 16	Tunnel ExcavationShield Driving Tunnel ExcavationTunnel Excavation by Drilling and BlastingTunnel Excavation by Tunnel Boring MachineTunneling by Cut and CoverTunnel Support SystemsRock Reinforcement and Initial SupportSteel Ribs and LaggingTunnel GroutingCement Tunnel GroutingChemical Tunnel GroutingCast-in-Place Concrete Tunnel LiningPrecast Concrete Tunnel Lining
31 31 31 31	71 00 31 71 13 31 71 16 31 71 19 31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00 31 74 13 31 74 16 31 74 19	Tunnel ExcavationShield Driving Tunnel ExcavationTunnel Excavation by Drilling and BlastingTunnel Excavation by Tunnel Boring MachineTunneling by Cut and CoverTunnel Support SystemsRock Reinforcement and Initial SupportSteel Ribs and LaggingTunnel GroutingCement Tunnel GroutingChemical Tunnel GroutingCast-in-Place Concrete Tunnel LiningPrecast Concrete Tunnel LiningShotcrete Tunnel Lining
31 31 31 31	71 00 31 71 13 31 71 16 31 71 19 31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00 31 74 13 31 74 16 31 74 19 75 00	Tunnel ExcavationShield Driving Tunnel ExcavationTunnel Excavation by Drilling and BlastingTunnel Excavation by Tunnel Boring MachineTunneling by Cut and CoverTunnel Support SystemsRock Reinforcement and Initial SupportSteel Ribs and LaggingTunnel GroutingCement Tunnel GroutingChemical Tunnel GroutingCast-in-Place Concrete Tunnel LiningPrecast Concrete Tunnel LiningShotcrete Tunnel LiningShaft Construction
3131313131	71 00 31 71 13 31 71 16 31 71 19 31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00 31 74 13 31 74 16 31 74 19 75 00 31 75 13	Tunnel ExcavationShield Driving Tunnel ExcavationTunnel Excavation by Drilling and BlastingTunnel Excavation by Tunnel Boring MachineTunneling by Cut and CoverTunnel Support SystemsRock Reinforcement and Initial SupportSteel Ribs and LaggingTunnel GroutingCement Tunnel GroutingChemical Tunnel GroutingCast-in-Place Concrete Tunnel LiningPrecast Concrete Tunnel LiningShotcrete Tunnel LiningShaft ConstructionCast-in-Place Concrete Shaft Lining
3131313131	71 00 31 71 13 31 71 16 31 71 19 31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00 31 74 13 31 74 16 31 74 19 75 00 31 75 13 31 75 13	Tunnel ExcavationShield Driving Tunnel ExcavationTunnel Excavation by Drilling and BlastingTunnel Excavation by Tunnel Boring MachineTunneling by Cut and CoverTunnel Support SystemsRock Reinforcement and Initial SupportSteel Ribs and LaggingTunnel GroutingCement Tunnel GroutingChemical Tunnel GroutingCast-in-Place Concrete Tunnel LiningPrecast Concrete Tunnel LiningShotcrete Tunnel LiningCast-in-Place Concrete Shaft LiningPrecast Concrete Shaft Lining
3131313131	71 00 31 71 13 31 71 16 31 71 19 31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00 31 74 13 31 74 16 31 74 19 75 00 31 75 13 31 75 16 77 00	Tunnel ExcavationShield Driving Tunnel ExcavationTunnel Excavation by Drilling and BlastingTunnel Excavation by Tunnel Boring MachineTunneling by Cut and CoverTunnel Support SystemsRock Reinforcement and Initial SupportSteel Ribs and LaggingTunnel GroutingCement Tunnel GroutingChemical Tunnel GroutingCast-in-Place Concrete Tunnel LiningPrecast Concrete Tunnel LiningShotcrete Tunnel LiningCast-in-Place Concrete Shaft LiningPrecast Concrete S

Exterior Improvements 32 00 00 **Operation and Maintenance of Exterior Improvements** 32 01 00 Paving Cleaning 32 01 11 Rubber and Paint Removal from Paving 32 01 11.51 32 01 11.52 Rubber Removal from Paving 32 01 11.53 Paint Removal from Paving Flexible Paving Surface Treatment 32 01 13 Slurry Seal (Latex Modified) 32 01 13.61 Asphalt Surface Treatment 32 01 13.62 32 01 16 Flexible Paving Rehabilitation Cold Milling Asphalt Paving 32 01 16.71 Asphalt Paving Reuse 32 01 16.72 32 01 16.73 In Place Cold Reused Asphalt Paving 32 01 16.74 In Place Hot Reused Asphalt Paving 32 01 16.75 Heater Scarifying of Asphalt Paving 32 01 17 Flexible Paving Repair Sealing Cracks in Asphalt Paving 32 01 17.61 Stress-Absorbing Membrane Interlayer 32 01 17.62 Rigid Paving Surface Treatment 32 01 19 Sealing of Joints in Rigid Paving 32 01 19.61 32 01 19.62 Patching of Rigid Paving 32 01 23 Base Course Reconditioning 32 01 26 **Rigid Paving Rehabilitation** Grooving of Concrete Paving 32 01 26.71 32 01 26.72 Grinding of Concrete Paving 32 01 26.73 Milling of Concrete Paving 32 01 26.74 **Concrete Overlays** 32 01 26.75 **Concrete Paving Reuse Rigid Paving Repair** 32 01 29 Partial Depth Patching of Rigid Paving 32 01 29.61 **Concrete Paving Raising** 32 01 29.62 32 01 29.63 Subsealing and Stabilization 32 01 30 Operation and Maintenance of Site Improvements 32 01 30.13 Snow Removal **Operation and Maintenance of Irrigation** 32 01 80 Operation and Maintenance of Planting 32 01 90 32 01 90.13 Fertilizing 32 01 90.16 Amending Soils 32 01 90.19 Mowing 32 01 90.23 Pruning Watering 32 01 90.26 **Topsoil Preservation** 32 01 90.29 Tree and Shrub Preservation 32 01 90.33 32 05 00 **Common Work Results for Exterior Improvements** Selective Demolition for Exterior Improvements 32 05 05 32 05 13 Soils for Exterior Improvements 32 05 16 Aggregates for Exterior Improvements Geosynthetics for Exterior Improvements 32 05 19 Geotextiles for Exterior Improvements 32 05 19.13 Geomembranes for Exterior Improvements 32 05 19.16

- 32 05 19.19 Geogrids for Exterior Improvements
- 32 05 23 Cement and Concrete for Exterior Improvements

	32 05 33	Common Work Results for Planting
32 (06 00	Schedules for Exterior Improvements
	32 06 10	Schedules for Bases, Ballasts, and Paving
	32 06 10.13	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
	32 06 90.13	Planting Schedule
32 (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	Subbase Courses
	32 11 16.13	Sand-Clay Subbase Courses
	32 11 16.16	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 32 11 26.13	Asphaltic Base Courses Plant Mix Asphaltic Base Courses
	32 11 26.15	Road Mix Asphaltic Base Courses
	32 11 26.19	Bituminous-Stabilized Base Courses
	32 11 29	Lime Treated Base Courses
	32 11 29.13	Lime-Fly Ash-Treated Base Courses
	32 11 33	Cement-Treated Base Courses
	32 11 33.13	Portland Cement-Stabilized Base Courses
	32 11 36	Concrete Base Courses
	32 11 36.11	Soil-Cement Concrete Base Courses
	32 11 36.13	Lean Concrete Base Courses
	32 11 36.16	Plain Cement Concrete Base Courses
	32 11 36.19	Hydraulic Cement Concrete Base Courses
22	32 11 39	Shell Base Course
32	12 00	Flexible Paving
	32 12 13	Preparatory Coats
	32 12 13.13 32 12 13.16	Tack Coats
	32 12 13.10	Asphaltic Tack Coats Prime Coats
	32 12 13.23	Asphaltic Prime Coats
	32 12 16	Asphalt Paving
	32 12 16.13	Plant-Mix Asphalt Paving
	32 12 16.16	Road-Mix Asphalt Paving
	32 12 16.19	Cold-Mix Asphalt Paving
	32 12 16.23	Reinforced Asphalt Paving
	32 12 16.26	Fiber-Modified Asphalt Paving
	32 12 16.29	Polymer-Modified Asphalt Paving
	32 12 16.33 32 12 16.36	Granulated Rubber-Modified Asphalt Paving Athletic Asphalt Paving
	32 12 10.30	Asphalt Paving Wearing Courses

	32 12 19.13 32 12 19.16 32 12 19.19 32 12 33 32 12 36	Road-Mix Asphalt Paving Wearing Courses Resin-Modified Asphalt Paving Wearing Courses Porous Friction Asphalt Paving Wearing Courses Flexible Paving Surface Treatments Seal Coats
	32 12 36.13	Asphaltic Seal and Fog Coats
	32 12 36.16	Coal Tar Seal Coats
	32 12 36.19	Coal Tar Seal Coats with Unvulcanized Rubber
	32 12 36.23	Fuel-Resistant Sealers
	32 12 43	Porous Flexible Paving
	32 12 73	Asphalt Paving Joint Sealants
32	13 00	Rigid Paving
	32 13 13	Concrete Paving
	32 13 13.13	Exposed Aggregate Concrete Paving
	32 13 13.16	Power-Compacted Concrete Paving
	32 13 13.17	Roller-Compacted Concrete Paving
	32 13 13.19	Prestressed Concrete Paving
	32 13 13.23	Concrete Paving Surface Treatment
	32 13 13.26 32 13 13.33	Stained Concrete Paving
	32 13 13.33	Plain Concrete Paving Decorative Concrete Paving
	32 13 16.13	Patterned Concrete Paving
	32 13 16.19	Imprinted Concrete Paving
	32 13 16.23	Stamped Concrete Paving
	32 13 43	Pervious Concrete Paving
	32 13 73	Concrete Paving Joint Sealants
	32 13 73.13	Fuel-Resistant Concrete Paving Joint Sealants
	32 13 73.16	Field-Molded Concrete Paving Joint Sealants
	32 13 73.19	Compression Concrete Paving Joint Sealants
32	14 00	Unit Paving
	32 14 13	Precast Concrete Unit Paving
	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	Recycled-Rubber 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	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
32 17 13.13	Metal Parking Bumpers
32 17 13.16 32 17 13.19	Plastic Parking Bumpers Precast Concrete Parking Bumpers
32 17 13.13	Rubber Parking Bumpers
32 17 13.26	Wood Parking Bumpers
32 17 16	Speed Bumps
32 17 23	Pavement Markings
32 17 23.13	Painted Pavement Markings
32 17 23.23 32 17 23.33	Raised Pavement Markings Plastic Pavement Markings
32 17 23.33	Tactile Warning Surfacing
32 17 29	Pavement Embedded Warning Lights
32 17 43	Pavement Snow Melting Systems
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 32 18 23.19	Natural Baseball Field Surfacing Synthetic Baseball Field Surfacing
32 18 23.23	Field Sport Surfacing
32 18 23.26	Natural Field Sport Surfacing
32 18 23.29	Synthetic Field Sport Surfacing
32 18 23.33	Running Track Surfacing
32 18 23.36 32 18 23.39	Natural Running Track Surfacing Synthetic Running Track Surfacing
32 18 23.43	Recreational Court Surfacing
32 18 23.53	Tennis Court Surfacing
32 18 23.56	Natural Tennis Court Surfacing
32 18 23.59	Synthetic Tennis Court Surfacing
32 30 00	Site Improvements
32 31 00	Fences and Gates
32 31 11	Gate Operators
32 31 13	Chain Link Fences and Gates
32 31 13.23 32 31 13.26	Recreational Court Fences and Gates Tennis Court Fences and Gates
32 31 13.20	Tennis Court Wind Breaker
32 31 13.33	Chain Link Backstops
32 31 13.53	High-Security Chain Link Fences and Gates
32 31 16	Welded Wire Fences and Gates
32 31 17	Expanded Metal Fences and Gates
32 31 19	Decorative Metal Fences and Gates
32 31 23 32 31 26	Plastic Fences and Gates
32 31 26	Wire Fences and Gates Wire Fences with Wood Posts
32 31 26.13	Wire Fences with Steel Posts
32 31 29	Wood Fences and Gates
32 31 32	Composite Fences and Gates

32 31 53	Cattle Guards
32 31 56	Wild Life Deterrent Fence
32 32 00	Retaining Walls
32 32 13	Cast-in-Place Concrete Retaining Walls
32 32 16	Precast Concrete Retaining Walls
32 32 19	Unit Masonry Retaining Walls
32 32 23	Segmental Retaining Walls
32 32 23.13	Segmental Concrete Unit Masonry Retaining Walls
32 32 23.16	Manufactured Modular Walls
32 32 26	Metal Crib Retaining Walls
32 32 29 32 32 34	Timber Retaining Walls
32 32 34	Reinforced Soil Retaining Walls Gabion Retaining Walls
32 32 30	Soldier-Beam Retaining Walls
32 32 53	Stone Retaining Walls
32 33 00	Site Furnishings
32 33 13	Site Bicycle Racks
32 33 14	Site Bicycle Lockers
32 33 23	Site Trash and Litter Receptacles
32 33 33	Site Manufactured Planters
32 33 43	Site Seating and Tables
32 33 43.13	Site Seating
32 33 43.53	Site Tables
32 34 00	Fabricated Bridges
32 34 13	Fabricated Pedestrian Bridges
32 34 23	Fabricated Roadway Bridges
32 34 33	Fabricated Railway Bridges
32 35 00	Screening Devices
32 35 13	Screens and Louvers
32 35 16	Sound Barriers
32 35 23	Fire Barriers
32 35 26	Blast Barriers
32 39 00	Manufactured Site Specialties
32 39 13 32 39 33	Manufactured Metal Bollards
02 00 00	Artificial Rock Fabrications
32 70 00	Wetlands
32 71 00	Constructed Wetlands
32 72 00	Wetlands Restoration
32 80 00	Irrigation
32 81 00	Irrigation Components
32 81 13	Irrigation Intake Screens
32 82 00	Irrigation Pumps
32 84 00	Planting Irrigation
32 84 13	Drip Irrigation
32 84 23	Underground Sprinklers
32 86 00	Agricultural Irrigation

32 90 00 32 91 00

Planting **Planting Preparation**

32 91 13 Soil Preparation Hydro-Punching 32 91 13.13 32 91 13.16 Mulching Planting Soil Mixing 32 91 13.19 32 91 13.23 Structural Soil Mixing **Planting Beds** 32 91 13.26 **Planting Soil Stabilization** 32 91 16 Blanket Planting Soil Stabilization 32 91 16.13 Mat Planting Soil Stabilization 32 91 16.16 Netting Planting Soil Stabilization 32 91 16.19 32 91 19 Landscape Grading Topsoil Placement and Grading 32 91 19.13 32 92 00 **Turf and Grasses** 32 92 13 Hydro-Mulching 32 92 16 Plugging Seeding 32 92 19 Mechanical Seeding 32 92 19.13 Hydraulic Seeding 32 92 19.16 32 92 23 Sodding 32 92 26 Sprigging Stolonizing 32 92 26.13 32 93 00 Plants 32 93 13 Ground Covers 32 93 23 Plants and Bulbs 32 93 33 Shrubs 32 93 43 Trees **Exterior Artificial Plants** 32 93 93 32 94 00 **Planting Accessories** 32 94 13 Landscape Edging 32 94 16 Landscape Timbers

- Landscape Surfacing 32 94 19
- 32 94 33 Planters
- 32 94 43 Tree Grates
- 32 94 46 Tree Grids

Exterior Planting Support Structures 32 95 00 **Transplanting**

32 96 00

- 32 96 13 Ground Cover Transplanting
- 32 96 23 Plant and Bulb Transplanting
- Shrub Transplanting 32 96 33
- 32 96 43 Tree Transplanting

33 00 00Utilities33 01 00Operation and Maintenance of Utilities

	33 01 10	Operation and Maintenance of Water Utilities
	33 01 10.71	Water Utility Storage Tank Rehabilitation
	33 01 20	Operation and Maintenance of Wells
	33 01 30	Operation and Maintenance of Sewer Utilities
	33 01 30.13	Sewer and Manhole Testing
	33 01 30.16	TV Inspection of Sewer Pipelines
	33 01 30.41	Cleaning of Sewers
	33 01 30.42 33 01 30.51	Cleaning of Manholes Maintenance of Sewer Utilities
	33 01 30.52	Pond and Reservoir Maintenance
	33 01 30.61	Sewer and Pipe Joint Sealing
	33 01 30.62	Manhole Grout Sealing
	33 01 30.71	Rehabilitation of Sewer Utilities
	33 01 30.72	Relining Sewers
	33 01 50	Operation and Maintenance of Fuel Distribution Lines
	33 01 50.51	Cleaning Fuel-Storage Tanks
	33 01 50.71	Lining of Steel Fuel-Storage Tanks
	33 01 60	Operation and Maintenance of Hydronic and Steam Energy Utilities
	33 01 70	Operation and Maintenance of Electrical Utilities
	33 01 80	Operation and Maintenance of Communications Utilities
33 (05 00	Common Work Results for Utilities
	33 05 05	Selective Demolition for Utilities
	33 05 13	Manholes and Structures
	33 05 13.13	Manhole Grade Adjustment
	33 05 16	Utility Structures
	33 05 16.13	Precast Concrete Utility Structures
	33 05 16.53	Rebuilding Utility Structures
	33 05 19	Pressure Piping Tied Joint Restraint System
	33 05 23	Trenchless Utility Installation
	33 05 23.13	Utility Horizontal Directional Drilling
	33 05 23.16	Utility Pipe Jacking
	33 05 23.19 33 05 23.23	Microtunneling Utility Pipe Ramming
	33 05 23.26	Utility Impact Moling
	33 05 23.29	Cable Trenching and Plowing
	33 05 26	Utility Identification
	33 05 26.13	Utility Identification Signs
	33 05 26.16	Utility Identification Markers
	33 05 26.19	Utility Identification Flags
	33 05 26.23	Utility Identification Trace Wires
33 (06 00	Schedules for Utilities
	33 06 10	Schedules for Water Utilities
	33 06 20	Schedules for Wells
	33 06 30	Schedules for Sanitary Sewerage Utilities
	33 06 40	Schedules for Storm Drainage Utilities
	33 06 40.13	Storm Drainage Schedule
	33 06 50	Schedules for Fuel Distribution Utilities
	33 06 60	Schedules for Hydronic and Steam Energy Utilities
	33 06 70	Schedules for Electrical Utilities

33 06 80 Schedules for Communications Utilities

33 08 00	Commissioning of Utilities
33 08 10	Commissioning of Water Utilities
33 08 20	Commissioning of Wells
33 08 30	Commissioning of Sanitary Sewerage Utilities
33 08 40	Commissioning of Storm Drainage Utilities
33 08 50	Commissioning of Fuel Distribution 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 10	Instrumentation and Control for Water Utilities
33 09 20	Instrumentation and Control for Wells
33 09 30	Instrumentation and Control for Sanitary Sewerage Utilities
33 09 40	Instrumentation and Control for Storm Drainage Utilities
33 09 50	Instrumentation and Control for Fuel Distribution Utilities
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	Water Utility Distribution Piping
33 11 13	Public Water Utility Distribution Piping
33 11 13.13	Ductile Iron Public Water Utility Distribution Piping
33 11 13.16	Cast Iron Public Water Utility Distribution Piping
33 11 13.23	Plastic Public Water Utility Distribution Piping
33 11 13.26	Galvanized Steel Public Water Utility Distribution Piping
33 11 13.33	Concrete Public Water Utility Distribution Piping
33 11 16	Site Water Utility Distribution Piping
33 11 19	Fire Suppression Utility Water Distribution Piping
33 12 00	Water Utility Distribution Equipment
33 12 13	Water Service Connections
33 12 13.13	Water Supply Backflow Preventer Assemblies
33 12 16	Water Utility Distribution Valves
33 12 19	Water Utility Distribution Fire Hydrants
33 12 23	Water Utility Pumping Stations
33 12 33	Water Utility Metering
33 13 00	Disinfecting of Water Utility Distribution
33 16 00	Water Utility Storage Tanks
33 16 13	Aboveground Water Utility Storage Tanks
33 16 13.13	Steel Aboveground Water Utility Storage Tanks
33 16 13.16	Prestressed Concrete Aboveground Water Utility Storage Tanks
33 16 13.19	Plastic Aboveground Water Utility Storage Tanks
33 16 16	Underground Water Utility Storage Tanks
33 16 19	Elevated Water Utility Storage Tanks
33 20 00	Wells
33 21 00	Water Supply Wells
33 21 13	Public Water Supply Wells
33 21 16	Irrigation Water Wells
33 22 00	Test Wells

33 23 00	Extraction Wells
33 24 00	Monitoring Wells
33 24 13	Groundwater Monitoring Wells
33 25 00	Recharge Wells
33 26 00	Relief Wells
33 29 00	Well Abandonment
33 30 00	Sanitary Sewerage Utilities
33 31 00	Sanitary Utility Sewerage Piping
33 31 13 33 31 16	Public Sanitary Utility Sewerage Piping
33 32 00	Industrial Waste Utility Sewerage Piping
33 32 10 33 32 13	Wastewater Utility Pumping Stations Packaged Utility Lift Stations
33 32 13.13	Packaged Sewage Lift Stations, Wet Well Type
33 32 16	Packaged Utility Wastewater Pumping Stations
33 32 16.13	Packaged Sewage Grinder Pumping Units
33 32 19	Public Utility Wastewater Pumping Stations
33 33 00	Low Pressure Utility Sewerage
33 33 13	Sanitary Utility Sewerage
33 33 16	Combined Utility Sewerage
33 34 00	Sanitary Utility Sewerage Force Mains
33 34 13	Sanitary Utility Sewerage Inverted Siphons
33 36 00	Utility Septic Tanks
33 36 13 33 36 13.13	Utility Septic Tank and Effluent Wet Wells Concrete Utility Septic Tank
33 36 13.16	Fiberglass Utility Septic Tank
33 36 13.19	Polyethylene Utility Septic Tank
33 36 16	Utility Septic Tank Effluent Pumps
33 36 16.13	Utility Septic Tank High-Head Effluent Pump
33 36 16.16 33 36 19	Utility Septic Tank Effluent Pump Package Utility Septic Tank Effluent Filter
33 36 19.13	Utility Septic Tank Effluent Tube Filter
33 36 19.16	Utility Septic Tank Effluent Textile Media Filter
33 36 33	Utility Septic Tank Drainage Field
33 36 33.13 33 36 33.16	Utility Septic Tank Tile Drainage Field Utility Septic Tank Shallow Pressurized Dispersal System
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 43	Netting Systems
33 37 46	End-of-Pipe In-water Storage Systems
33 38 00	Treatment Lagoons
33 38 13	Municipal Wastewater Treatment Lagoons
33 38 16 33 38 23	Industrial Waste Lagoons Agricultural Waste Lagoons
33 38 26	Residential Sewerage Lagoons
33 39 00	Sanitary Utility Sewerage Structures

33 39 13 33 39 23	Sanitary Utility Sewerage Manholes, Frames, and Covers Sanitary Utility Sewerage Cleanouts
33 40 00	Storm Drainage Utilities
33 41 00	Storm Utility Drainage Piping
33 41 13	Public Storm Utility Drainage Piping
33 42 00	Culverts
33 42 13	Pipe Culverts
33 42 13.13	Public Pipe Culverts
33 42 16	Concrete Culverts
33 42 16.13	Precast Concrete Culverts
33 42 16.16	Cast-in-Place Concrete Culverts
33 44 00	Storm Utility Water Drains
33 44 13	Utility Area Drains
33 44 13.13 33 44 16	Catchbasins
33 44 10	Utility Trench Drains Utility Storm Water Treatment
33 44 19.13	In-Line Utility Storm Water Filters
33 44 19.16	Catch Basin Insert Utility Storm Water Filters
33 44 19.19	Utility Oil and Gas Separators
33 45 00	Storm Utility Drainage Pumps
33 46 00	Subdrainage
33 46 13	Foundation Drainage
33 46 13.13	Foundation Drainage Piping
33 46 13.16	Geocomposite Foundation Drainage
33 46 16	Subdrainage Piping
33 46 16.13	Subdrainage Piping
33 46 16.16 33 46 16.19	Geocomposite Subdrainage Pipe Underdrains
33 46 19	Underslab Drainage
33 46 19.13	Underslab Drainage Piping
33 46 19.16	Geocomposite Underslab Drainage
33 46 23	Drainage Layers
33 46 23.16	Gravel Drainage Layers
33 46 23.19 33 46 26	Geosynthetic Drainage Layers Geotextile Subsurface Drainage Filtration
33 46 33	Retaining Wall Drainage
33 47 00	Ponds and Reservoirs
33 47 13	Pond and Reservoir Liners
33 47 13.13	Pond Liners
33 47 13.53	Reservoir Liners
33 47 16	Pond and Reservoir Covers
33 47 16.13	Pond Covers
33 47 16.53	Reservoir Covers
33 47 19	Water Ponds and Reservoirs
33 47 19.13 33 47 19.16	Water Distribution Ponds Water Retainage Reservoirs
33 47 19.10	Cooling Water Ponds
33 47 19.33	Fire-Protection Water Ponds
33 47 26	Storm Drainage Ponds and Reservoirs
33 47 26.13	Stabilization Ponds

33 47 26.16 Retention Basins

33 47 26.19	Leaching Pits
33 49 00	Storm Drainage Structures
33 49 13	Storm Drainage Manholes, Frames, and Covers
33 49 22	Storm Drainage Water Detention Structures
33 49 23	Storm Drainage Water Retention Structures
33 49 23.13	Underground Storm Drainage Water Retention Tanks
33 49 24	Storm Drainage Water Storage Structures
33 50 00	Fuel Distribution Utilities
33 51 00	Natural-Gas Distribution
33 51 13	Natural-Gas Piping
33 51 33	Natural-Gas Metering
33 52 00	Liquid Fuel Distribution
33 52 13	Fuel-Oil Distribution
33 52 13.13	Fuel-Oil Piping
33 52 13.23	Fuel-Oil Pumps
33 52 16	Gasoline Distribution
33 52 16.13	Gasoline Piping
33 52 16.23	Gasoline Pumps
33 52 19 33 52 19.13	Diesel Fuel Distribution Diesel Fuel Piping
33 52 19.13	Diesel Fuel Pumps
33 52 43	Aviation Fuel Distribution
33 52 43.13	Aviation Fuel Piping
33 52 43.16	Aviation Fuel Connections
33 52 43.19	Aviation Fuel Grounding
	Asriation Friel Dumma
33 52 43.23	Aviation Fuel Pumps
33 56 00	Fuel-Storage Tanks
33 56 00 33 56 13	Fuel-Storage Tanks Aboveground Fuel-Storage Tanks
33 56 00 33 56 13 33 56 16	Fuel-Storage Tanks Aboveground Fuel-Storage Tanks Underground Fuel-Storage Tanks
33 56 00 33 56 13 33 56 16 33 56 43	Fuel-Storage Tanks Aboveground Fuel-Storage Tanks Underground Fuel-Storage Tanks Aviation Fuel-Storage Tanks
33 56 00 33 56 13 33 56 16 33 56 43 33 56 43.13	Fuel-Storage Tanks Aboveground Fuel-Storage Tanks Underground Fuel-Storage Tanks Aviation Fuel-Storage Tanks Aboveground Aviation Fuel-Storage Tanks
33 56 00 33 56 13 33 56 16 33 56 43 33 56 43.13 33 56 43.13	Fuel-Storage Tanks Aboveground Fuel-Storage Tanks Underground Fuel-Storage Tanks Aviation Fuel-Storage Tanks Aboveground Aviation Fuel-Storage Tanks Underground Aviation Fuel-Storage Tanks
33 56 00 33 56 13 33 56 16 33 56 43 33 56 43.13 33 56 43.16 33 56 53	Fuel-Storage Tanks Aboveground Fuel-Storage Tanks Underground Fuel-Storage Tanks Aviation Fuel-Storage Tanks Aboveground Aviation Fuel-Storage Tanks Underground Aviation Fuel-Storage Tanks Compressed Gases Storage Tanks
33 56 00 33 56 13 33 56 16 33 56 43 33 56 43.13 33 56 43.16 33 56 53 33 60 00	Fuel-Storage Tanks Aboveground Fuel-Storage Tanks Underground Fuel-Storage Tanks Aviation Fuel-Storage Tanks Aboveground Aviation Fuel-Storage Tanks Underground Aviation Fuel-Storage Tanks Compressed Gases Storage Tanks Hydronic and Steam Energy Utilities
33 56 00 33 56 13 33 56 16 33 56 43 33 56 43.13 33 56 43.16 33 56 53 33 60 00 33 61 00	Fuel-Storage TanksAboveground Fuel-Storage TanksUnderground Fuel-Storage TanksAviation Fuel-Storage TanksAboveground Aviation Fuel-Storage TanksUnderground Aviation Fuel-Storage TanksCompressed Gases Storage TanksHydronic and Steam Energy UtilitiesHydronic Energy Distribution
33 56 00 33 56 13 33 56 16 33 56 43 33 56 43.13 33 56 43.16 33 56 53 33 60 00 33 61 00 33 61 13	Fuel-Storage TanksAboveground Fuel-Storage TanksUnderground Fuel-Storage TanksAviation Fuel-Storage TanksAboveground Aviation Fuel-Storage TanksUnderground Aviation Fuel-Storage TanksCompressed Gases Storage TanksHydronic and Steam Energy UtilitiesHydronic Energy DistributionUnderground Hydronic Energy Distribution
33 56 00 33 56 13 33 56 16 33 56 43 33 56 43.13 33 56 43.16 33 56 53 33 60 00 33 61 00 33 61 13 33 61 23	Fuel-Storage TanksAboveground Fuel-Storage TanksUnderground Fuel-Storage TanksAviation Fuel-Storage TanksAboveground Aviation Fuel-Storage TanksUnderground Aviation Fuel-Storage TanksCompressed Gases Storage TanksHydronic and Steam Energy UtilitiesHydronic Energy DistributionUnderground Hydronic Energy DistributionAboveground Hydronic Energy Distribution
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35 01 00	Operation and Maintenance of Waterway and Marine
	Construction
35 01 30	Operation and Maintenance of Coastal Construction
35 01 40	Operation and Maintenance of Waterway Construction
35 01 40.51 35 01 40.92	Waterway Dredging Preservation of Water Courses
35 01 50	Operation and Maintenance of Marine Construction
35 01 50.51	Marine Dredging
35 01 50.71 35 01 70	Channel Excavation, Cleaning and Deepening Operation and Maintenance of Dams
35 05 00	Common Work Results for Waterway and Marine
55 05 00	Construction
35 05 05	Selective Demolition for Waterway and Marine Construction
35 05 30	Common Work Results for Coastal Construction
35 05 40	Common Work Results for Waterway Construction
35 05 50	Common Work Results for Marine Construction
35 05 70 35 06 00	Common Work Results for Dams
35 06 00 35 06 30	Schedules for Waterway and Marine Construction Schedules for Coastal Construction
35 06 40	Schedules for Waterway Construction
35 06 50	Schedules for Marine Construction
35 06 70	Schedules for Dams
35 08 00	Commissioning of Waterway and Marine Construction
35 08 30	Commissioning of Coastal Construction
35 08 40 35 08 50	Commissioning of Waterway Construction Commissioning of Marine Construction
35 08 70	Commissioning of Dams
35 10 00	Waterway and Marine Signaling and
	Control Équipment
35 11 00	Signaling and Control Equipment for Waterways
35 11 13	Signaling Equipment for Waterways
35 11 53	Control Equipment for Waterways
35 12 00	Marine Signaling and Control Equipment
35 12 13	Marine Signaling Equipment
35 12 13.13 35 12 33	Lighthouse Equipment
35 12 53	Marine Navigation Equipment Marine Control Equipment
35 13 00	Signaling and Control Equipment for Dams
35 13 13	Signaling Equipment for Dams
35 13 53	Control Equipment for Dams
35 20 00	Waterway and Marine Construction and
	Equipment
35 20 13	Hydraulic Fabrications
35 20 13 13	Hydraulic Bifurcation Panels

35 20 13.13Hydraulic Bifurcation Panels35 20 13.16Hydraulic Bulkheads

35 20 13.19	Hydraulic Manifolds
35 20 13.23	Hydraulic Penstocks
35 20 13.26	Hydraulic Trashracks
35 20 16	Hydraulic Gates
35 20 16.13	Hydraulic Spillway Crest Gates
35 20 16.19	Hydraulic Head Gates
35 20 16.26	Hydraulic Sluice Gates
35 20 16.33	Hydraulic Miter Gates
35 20 16.39	Hydraulic Sector Gates
35 20 16.46	Hydraulic Tainter Gates and Anchorages
35 20 16.53	Hydraulic Vertical Lift Gates
35 20 16.59	Hydraulic Closure Gates
35 20 19	Hydraulic Valves
35 20 19.13	Hydraulic Butterfly Valves
35 20 19.23	Hydraulic Regulating Valves
35 20 23	Dredging
35 20 23.13	Mechanical Dredging
35 20 23.23	Hydraulic Dredging
35 20 23.33	Integrated Dredging and Dewatering

35 31 00

35 30 00 Coastal Construction **Shoreline Protection**

35 31 16	Seawalls
35 31 16.13	Concrete Seawalls
35 31 16.16	Segmental Seawalls
35 31 16.19	Steel Sheet Piling Seawalls
35 31 16.23	Timber Seawalls
35 31 16.40	Stone Seawalls
35 31 19	Revetments
35 31 19.13	Sacked Cement-Sand Revetments
35 31 19.16	Concrete Unit Masonry Revetments
35 31 19.36	Gabion Revetments
35 31 19.40	Stone Revetments
35 31 23	Breakwaters
35 31 23.13	Rubble Mound Breakwaters
35 31 23.16	Precast Breakwater Modules
35 31 26	Jetties
35 31 26.13	Concrete Jetties
35 31 26.16	Concrete Unit Masonry Jetties
35 31 26.36	Gabion Jetties
35 31 26.40	Stone Jetties
35 31 29	Groins
35 31 29.13	Concrete Groins
35 31 29.16	Concrete Unit Masonry Groins
35 31 29.26	Steel Groins
35 31 29.36	Gabion Groins
35 31 29.40	Stone Groins
35 32 00	Artificial Reefs
35 32 13	Scrap Material Artificial Reefs
35 32 13 13	Scrap Concrete Artificial Reefs

35 32 13	Scrap Material Artificial Reefs
35 32 13.13	Scrap Concrete Artificial Reefs
35 32 13.19	Scrap Steel Artificial Reefs
35 32 13.33	Sunken Ship Artificial Reefs
35 32 16	Constructed Artificial Reefs
35 32 16.13	Constructed Concrete Artificial Reefs

35 32 16.19	Constructed Steel Artificial Reefs
35 40 00	Waterway Construction and Equipment
35 41 00	Levees
35 41 13	Landside Levee Berms
35 41 13.13	Stability Landside Levee Berms
35 41 13.16	Seepage Landside Levee Berms
35 41 16	Levee Cutoff Trenches
35 41 19 35 42 00	Levee Relief Wells
35 42 00	Waterway Bank Protection
35 42 13 35 42 13.19	Piling Bank Protection Steel Sheet Piling Bank Protection
35 42 13.23	Timber Piling Bank Protection
35 42 13.26	Plastic Piling Bank Protection
35 42 29	Grout-Bag Bank Protection
35 42 34	Soil Reinforcement Bank Protection
35 42 35	Slope Protection Bank Protection
35 42 36 35 42 37	Gabion Bank Protection Riprap Bank Protection
35 42 53	Wall Bank Protection
35 42 53.16	Concrete Unit Masonry Wall Bank Protection
35 42 53.19	Segmental Wall Bank Protection
35 42 53.40	Stone Wall Bank Protection
35 43 00	Waterway Scour Protection
35 43 29	Grout-Bag Scour Protection
35 43 34 35 43 35	Soil Reinforcement Scour Protection
35 43 36	Slope Protection Scour Protection Gabion Scour Protection
35 43 37	Riprap Scour Protection
35 43 53	Wall Scour Protection
35 43 53.13	Concrete Unit Masonry Wall Scour Protection
35 43 53.16	Segmental Wall Scour Protection
35 43 53.40 25 40 00	Stone Wall Scour Protection
35 49 00	Waterway Structures
35 49 13 35 49 13.13	Floodwalls Concrete Floodwalls
35 49 13.16	Masonry Floodwalls
35 49 23	Waterway Locks
35 49 23.13	Concrete Waterway Locks
35 49 23.23 35 49 26	Piling Waterway Locks Floodgate Machinery
35 50 00	Marine Construction and Equipment
35 51 00	Floating Construction
35 51 13	Floating Piers
35 51 13.23 35 51 13.26	Floating Wood Piers
35 51 13.20	Floating Plastic Piers 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	Underwater Pipeline Construction
35 53 43 35 53 53	Underwater Foundation Construction 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	Buoys
35 59 23.13 35 59 23.16	Mooring Buoys 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	Laser Docking Systems
35 59 29.19	Capstans Marine Bellarde and Claste
35 59 33 35 59 33.13	Marine Bollards and Cleats Cast-Steel Marine Bollards and Cleats
35 59 33.16	Cast-Iron Marine Bollards and Cleats
35 59 33.19	Stainless-Steel Marine Bollards and Cleats
35 59 33.23	Plastic Marine Bollards and Cleats
35 59 93	Marine Chain and Accessories
35 59 93.13	Marine Chain
35 59 93.16 35 59 93.19	Marine Shackles 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
35 74 13	Concrete Buttress Dams
35 79 00	Auxiliary Dam Structures
35 79 13	Fish Ladders

35 79 13Fish Ladders35 79 13.13Concrete Fish Ladders

-	00 00 01 00	Process Interconnections Operation and Maintenance of Process Interconnections
	40 01 10	Operation and Maintenance of Gas and Vapor Process Piping
	40 01 20	Operation and Maintenance of Liquids Process Piping
	40 01 30	Operation and Maintenance of Solid and Mixed Materials Piping and Chutes
	40 01 40 40 01 60	Operation and Maintenance of Process Piping and Equipment Protection Operation and Maintenance of Process Control and Process Facility Enterprise Management Systems
	40 01 70	Operation and Maintenance of Instrumentation for Process Systems
	40 01 90	Operation and Maintenance of Primary Control Devices
10		
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 09	Wall Pipes, Floor Pipes, and Pipe Sleeves
	40 05 11	Aluminum Process Pipe
	40 05 12	Brass Process Pipe
	40 05 13	Bronze Process Pipe
	40 05 17	Copper Process Pipe and Tubing
	40 05 19	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	Other Metals Process Pipe
	40 05 26.13	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 40 05 31.23	Polyvinyl Chloride Process Pipe
	40 05 31.23	Chlorinated Polyvinyl Chloride Process Pipe ABS Process Pipe
	40 05 31.33	Polypropylene Process Pipe
	40 05 31.53	PVDF Process Pipe
	40 05 31.63	High-Purity Plastic Process Pipe
	40 05 31.83	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
	40 05 36.23	Fiberglass-Reinforced Plastic Pipe for Process Liquid Service
	40 05 37	Centrifugally Cast Fiberglass-Reinforced Polymer Mortar Process Pipe
	40 05 38	PTFE Process Pipe
	40 05 39	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
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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	Stop Logs
40 05 59.21	Aluminum Slide Gates
40 05 59.23	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	Eccentric Plug Valves for Gas Service
40 05 62.16	Eccentric Plug Valves for Liquid Service
40 05 63	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	Butterfly Valves in Air or Gas Service
40 05 64.36	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	Float Valves
	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
	40 05 78.21	Air Release Valves for Wastewater Service
	40 05 78.23	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
10	06 00	Schedules for Process Interconnections
TU		
	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	Schedules for Process Piping and Equipment Protection
	40 06 60	Schedules for Process Control and Process Facility Enterprise
		Management Systems
	40 06 70	Schedules of Instrumentation for Process Systems
	40 06 90	Schedules for Primary Control Devices

40 10 00	Gas and Vapor Process Piping and
	Ductwork
40 11 00	Steam Process Piping
40 11 13	Low-Pressure Steam Process Piping
40 11 16	Intermediate-Pressure Steam Process Piping
40 11 19	High-Pressure Steam Process Piping
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
40 13 00	Process Ductwork
40 15 00	
	Combustion System Gas Piping
40 15 13 40 15 16	Combustion Air Piping Oxygen Combustion System Gas Piping
40 15 10	Flue-Gas Combustion System Piping
40 15 19	Exothermic-Gas Combustion System Piping
40 15 26	Endothermic-Gas Combustion System Piping
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	Hydrogen Sulfide Gas Piping
40 16 36	Nitrous-Oxide Gas Process Piping
40 16 37	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	Biomass-to-Liquid (BTL) Fuel Process Piping
40 21 13.43	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	Kerosene Process Piping
40 21 23.29	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	Petrochemicals Process Piping
40 22 50	Light-Fractions Petroleum Products Piping
40 23 00	
	Water and Wastewater Process Piping
40 23 13	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	Primary Sludge Process Piping
40 23 46	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 10	Nonabrasive Materials Piping and Chutes
40 32 30	nonasiasive ivialenais riping and chules

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	
40 41 13.16 40 41 13.19	
40 41 13.13	
40 41 13.26	
40 41 23	Process Equipment Heat Tracing
40 41 23.13	
40 41 23.16	
40 41 23.19 40 41 23.23	
40 41 23.23	
40 42 00	Process Piping and Equipment Insulation
40 42 13	Process Piping Insulation
40 42 13.13	
40 42 13.16	
40 42 13.19	1 1 5
40 42 13.23	6 1 1 6
40 42 13.26 40 42 23	Process Piping Insulation for Specialty Applications Process Equipment Insulation
40 42 23.13	
40 42 23.16	
40 42 23.19	
40 42 23.23	
40 42 23.26	
40 46 00	Process Corrosion Protection
40 46 16	Coatings and Wrappings for Process Corrosion Protection
40 46 42	Cathodic Process Corrosion Protection
40 47 00	Refractories
40 47 13	Silica Refractories Alumina Refractories
40 47 16 40 47 19	Carbon and Graphite Refractories
40 47 19	Castable Refractories
40 47 23	Rammed Refractories
40 47 29	Refractory Concrete
40 60 00	Process Control and Enterprise
	Management Systems

40.04.00	Dresses Control and Enternation Management Systems
40 61 00	Process Control and Enterprise Management Systems
40.04.40	General Provisions
40 61 13	Process Control System General Provisions
40 61 16	Enterprise Management System General Provisions
40 61 21	Process Control System Testing
40 61 26	Process Control System Training
40 61 93	Process Control System Input/Output List
40 61 96	Process Control Descriptions
40 62 00	Computer System Hardware and Ancillaries
40 62 13	Server Computers
40 62 16	Operator Workstation Computers
40 62 19	Industrial Computers
40 62 21	Desktop Computers
40 62 23	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	Process Instrumentation Networks
40 66 43	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	Control Panel-Mounted Uninterruptible Power Supply
40 68 00	Process Control Software
40 68 13	Process Control (HMI) Software
40 68 23	Reporting Software
40 68 26	Online Performance Monitoring Systems Software
40 68 33	Maintenance Management Software

	40 68 36	Laboratory Information System Software
	40 68 39	Energy Management Software
	40 68 43	Load Management Software
	40 68 63	Configuration of HMI Software
	40 68 66	Programming of Controller Software
	40 68 93	Computer Operating Systems Software
40 6	69 00	Packaged Control Systems
	40 69 13	Control System Simulators
	40 69 23	Burner Management Systems
	40 69 26	Safety Instrumented Control Systems
	40 69 33	Fire and Gas Monitoring/Protection Systems for Industrial Applications
10		
	70 00	Instrumentation for Process Systems
40 7	71 00	Flow Measurement
	40 71 13	Magnetic Flow Meters
	40 71 13.13	Inline Magnetic Flow Meters
	40 71 13.23	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	Flow Nozzle-Type Flow Meters
	40 71 23.23 40 71 23.26	Orifice Plate Flow Meters Integral Orifice Flow Meters
	40 71 23.29	Orifice Meter Runs
	40 71 23.33	Elbow Flow Meters
	40 71 23.36	Pitot Tube and Averaging Pitot Flow Meters
	40 71 23.39	V-Cone Flow Meters
	40 71 23.43	Differential Pressure-Type Flow Transmitters
	40 71 23.46	Flow Computers
	40 71 33	Propeller Flow Meters
	40 71 36	Turbine Flow Meters
	40 71 43	Variable Area Flow Meters
	40 71 46	Target Flow Meters
	40 71 49	Vortex-Shedding Flow Meters
	40 71 53	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	Flow Switches
	40 71 83	Sight Flow Indicators
	40 71 86	Flow Metering Weirs
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
	40 72 33	Capacitance Type Level Meters (Continuous and Point Type)
	40 72 36	RF Admittance Level Meters (Continuous and Point Type)
	40 72 43	Pressure and Differential Pressure Type Level Meters

	40 72 46	Bubbler Systems
	40 72 53	Magnetic and Magnetostrictive Level Meters
	40 72 63	Displacement-Type Level Meters
	40 72 73	Sight Level Gauges
	40 72 76	Level Switches
	40 72 83	Leak Detection Systems
10 -	73 00	Pressure, Strain, and Force Measurement
40		
	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 7	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 7	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
	10 75 66	Nitrogen 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
10	76 00	Process Gas Analytical Measurement
40		-
	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 Analyzers
	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
10	78 00	Panel Mounted Instruments
40		
	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
40	79 00	Miscellaneous Instruments, Calibration Equipment,
		Instrument Valves, and Fittings
	40 79 13	Nuclear Mass-Measuring Scales
	40 79 23	Instrument Calibration Equipment
	40 79 26	Instrument Programming Equipment
	HU 10 ZU	

40 79 33 Current-to-Pressure Converters

40 79 36 40 79 39 40 79 43 40 79 46 40 79 63 40 79 66	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	Primary Control Valves
40 91 13	Electrically-Operated Primary Control Valves
40 91 16	Hydraulically-Operated Primary Control Valves
40 91 19	Pneumatically-Operated Primary Control Valves
40 91 23	Solenoid Primary Control Valves
40 91 26	Specialty Primary Control Valves
40 92 00	Self-Contained Flow Controllers
40 93 00	Linear Actuators and Positioners
40 94 00	Self-Contained Pressure Regulators
40 95 00	Rotary Actuators
40 96 00	Saturable Core Reactors
40 97 00	Variable Frequency Drives

41 00 00	Material Processing and Handling
	Equipment
41 01 00	Operation and Maintenance of Material Processing
410100	and Handling Equipment
41 01 10	Operation and Maintenance of Bulk Material Processing Equipment
41 01 20	Operation and Maintenance of Piece Material Handling Equipment
41 01 30	Operation and Maintenance of Manufacturing Equipment
41 01 40	Operation and Maintenance of Container Processing and Packaging
41 01 50	Operation and Maintenance of Material Storage
41 01 60	Operation and Maintenance of Mobile Plant Equipment
41 05 00	Common Work Results for Material Processing and
	Handling Equipment
41 05 05	Selective Demolition for Material Processing and Handling Equipment
41 06 00	Schedules for Material Processing and Handling
	Equipment
41 06 10	Schedules for Bulk Material Processing Equipment
41 06 20	Schedules for Piece Material Handling Equipment
41 06 30	Schedules for Manufacturing Equipment
41 06 40 41 06 50	Schedules for Container Processing and Packaging
41 06 50	Schedules for Material Storage Schedules for Mobile Plant Equipment
41 08 00	• •
41 00 00	Commissioning of Material Processing and Handling
44 00 40	Equipment
41 08 10 41 08 20	Commissioning of Bulk Material Processing Equipment 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	Bulk Material Agglomerators
41 11 16	Bulk Material Air Mill Classifiers
41 11 19	Bulk Material Centrifuges
41 11 23 41 11 26	Bulk Material Crushers Bulk Material Cyclones
41 11 20	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

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	$\begin{array}{c} 41 \ 12 \ 13 \\ 41 \ 12 \ 13.13 \\ 41 \ 12 \ 13.16 \\ 41 \ 12 \ 13.19 \\ 41 \ 12 \ 13.23 \\ 41 \ 12 \ 13.26 \\ 41 \ 12 \ 13.26 \\ 41 \ 12 \ 13.29 \\ 41 \ 12 \ 13.33 \\ 41 \ 12 \ 13.36 \\ 41 \ 12 \ 13.36 \\ 41 \ 12 \ 13.43 \\ 41 \ 12 \ 13.43 \\ 41 \ 12 \ 13.46 \\ 41 \ 12 \ 13.53 \\ 41 \ 12 \ 13.53 \\ 41 \ 12 \ 19 \\ 41 \ 12 \ 19.13 \\ 41 \ 12 \ 19.13 \\ 41 \ 12 \ 19.16 \\ \end{array}$	Bulk Material Conveyors Airslide Bulk Material Conveyors Auger Bulk Material Conveyors Belt Bulk Material Conveyors Container Bulk Material Conveyors Drag Chain Bulk Material Conveyors Hopper Bulk Material Conveyors Reciprocating Bulk Material Conveyors Screw Bulk Material Conveyors Stacking and Reclaim Bulk Material Conveyors Trough Bulk Material Conveyors Tube Bulk Material Conveyors Vibratory Bulk Material Conveyors Weigh-Belt Bulk Material Conveyors Bucket Elevators Pneumatic Conveyors Dense Phase Pneumatic Conveyors
41	13 00	Bulk Material Feeders
	41 13 13 41 13 23	Bin Activators/Live Bin Bottoms Feeders
	41 13 23.13	Airlock Bulk Material Feeders
	41 13 23.16	Apron Bulk Material Feeders
	41 13 23.19 41 13 23.23	Rotary-Valve Bulk Material Feeders Screw Bulk Material Feeders
	41 13 23.26	Vibratory Bulk Material Feeders
	41 13 23.29	Volumetric Bulk Material Feeders
	41 13 23.33	Weigh Bulk Material Feeders
41	14 00	Batching Equipment
	41 14 13	Bag-Handling Batching Equipment
	41 14 16 41 14 19	Batch Cars/Transports Batch Hoppers
	41 14 23	Bulk Bag-Handling Batching Equipment
	41 14 26	Blenders
	41 14 29	Drum-Handling Batching Equipment
	41 14 33	Mixers
	41 14 36	Weigh Scales
	20 00	Piece Material Handling Equipment
41	21 00	Conveyors
	41 21 13	Automatic Guided Vehicle Systems
	41 21 23 41 21 23.13	Piece Material Conveyors Belt Piece Material Conveyors
	41 21 23.16	Container Piece Material Conveyors
	41 21 23.19	Drag-Chain Piece Material Conveyors
	41 21 23.23	Hopper Piece Material Conveyors
	41 21 23.26 41 21 23.29	Monorail Piece Material Conveyors Power and Free Piece Material Conveyors
	41 21 23.33	Reciprocating Piece Material Conveyors
	41 21 23.36	Roller Piece Material Conveyors
	41 21 23.39	Vibratory Piece Material Conveyors
	41 21 23.43 41 21 23.46	Walking-Beam Piece Material Conveyors Weigh-Belt Piece Material Conveyors

	41 21 23.53	Postal Conveyors
	41 21 26	Piece Material Diverter Gates
	41 21 29	Piece Material Gravity Slides
	41 21 33	Piece Material Transfer Cars
	41 21 36	Piece Material Turntables
	41 21 39	Piece Material Feeders
	41 21 39.13	Piece Material Vibratory Feeders
41	22 00	Cranes and Hoists
	41 22 13	Cranes
	41 22 13.13	Bridge Cranes
	41 22 13.16	Gantry Cranes
	41 22 13.19	Jib Cranes
	41 22 13.23	Mobile Cranes
	41 22 13.26	Tower Cranes
	41 22 13.29	Specialty Cranes
	41 22 23	Hoists
	41 22 23.13	Fixed Hoists
	41 22 23.16	Portable Hoists
	41 22 23.19	Monorail Hoists
	41 22 23.23	Specialty Hoists
	41 22 33	Derricks
41	23 00	Lifting Devices
	41 23 13	Clamps
	41 23 16	Grabs
	41 23 19	Hooks
	41 23 23	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
41	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	Molding Lines
	41 31 13.39	Finishing/Painting Lines
	41 31 13.43	Painting Lines
	41 31 13.46	Pickling Lines
	41 31 13.49 41 31 13.53	Plating Lines 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
	41 32 53	Pressing Equipment
	41 32 56	Roll-Forming Equipment
	41 32 59	Shearing Equipment
	41 32 63	Spinning Equipment
	41 32 66	Stretching/Leveling Equipment
	41 32 69	Swaging Equipment
41	33 00	Machining Equipment
	41 33 13	Automatic Screw Machining Equipment
	41 33 16	Boring Equipment
	41 33 19	Broaching Equipment
	41 33 23	Drilling Equipment
	41 33 26	Electro-Discharge Machining Equipment
	41 33 29	Grinding Equipment
	41 33 33	Hobbing Equipment
	41 33 36	Lapping Equipment
	41 33 39	Lathe Equipment
	41 33 43	Leveling Equipment
	41 33 46	Machining Center Equipment
	41 33 53	Milling Equipment
	41 33 53.13	Horizontal Milling Equipment
	41 33 53.16	Vertical Milling Equipment
	41 33 60	Multi-Axis Machine Equipment
	41 33 63	Planing Equipment
	41 33 66	Reaming Equipment
	11 00 00	

41 33 69 Routing Equipment

	41 33 73	Sawing Equipment
	41 33 76	Shaping Equipment
	41 33 79	Threading Equipment
41	34 00	Finishing Equipment
••	41 34 13	Anodizing Equipment
	41 34 16	Barrel Tumbling Equipment
	41 34 23	Coating Equipment
	41 34 23.13	Diffusion Coating Equipment
	41 34 23.16	Dipping Coating Equipment
	41 34 23.19	Film Coating Equipment
	41 34 23.23	Phosphatizing Coating Equipment
	41 34 23.26 41 34 23.29	Plasma Coating Equipment Hardface Welding Coating Equipment
	41 34 23.29	Spray Painting Booth
	41 34 26	
		Deburring Equipment
	41 34 36	Electroplating Equipment
	41 34 46	Grinding Equipment
	41 34 49	Honing Equipment
	41 34 53	Lapping Equipment
	41 34 56	Shot Peening Equipment
	41 34 59	Superfinishing/Polishing Equipment
41	35 00	Dies and Molds
	41 35 13	Dies
	41 35 13.13	Drawing Dies
	41 35 13.16	Extrusion Dies
	41 35 13.19	Press Dies
	41 35 13.23	Rotary Dies
	41 35 13.26	Rule Dies
	41 35 33	Molds
41	36 00	Assembly and Testing Equipment
	41 36 13	Applicators
	41 36 13.13	Adhesive Applicators
	41 36 13.16	Lubricant Applicators
	41 36 13.19	Sealer Applicators
	41 36 16	Fixtures and Jigs
	41 36 19	Joining Equipment
	41 36 19.13	Adhesive Joining Equipment
	41 36 19.16	Arc-Welding Equipment
	41 36 19.19	Brazing Equipment
	41 36 19.23	Resistance-Welding Equipment
	41 36 19.26	Riveting Equipment
	41 36 19.29	Sintering Equipment
	41 36 19.33	Soldering Equipment
	41 36 23	Cutting Equipment
	41 36 23.13	Cutting Torches
	41 36 23.16	High-Pressure Water Cutting Equipment
	41 36 23.19	Laser Cutting Equipment
	41 36 23.23	Plasma Cutting Equipment
	41 36 26	Process Tools Air Process Tools
	41 36 26.13 41 36 26.16	Electric Process Tools
	41 36 26.19	
	41 36 26.23	Hydraulic Process Tools Manual Process Tools

- 41 36 29 Manufacturing Measurement and Testing Equipment
- 41 36 29.13 Gages, Rules, and Blocks
- Penetrant Measurement and Testing Equipment 41 36 29.16
- 41 36 29.19 Laser Measurement and Testing Equipment
- Magnaflux Measurement and Testing Equipment 41 36 29.23
- 41 36 29.26 **Optical Comparators**
- 41 36 29.29 **Profilometers**
- 41 36 29.33 Radiograph Measurement and Testing Equipment
- 41 36 29.36 Surface Tables
- Ultrasonic Measurement and Testing Equipment 41 36 29.39
- 41 36 29.43 **Test Weigh Scales**

Container Processing and Packaging 41 40 00

41 41 00

41 42 00

- Container Filling and Sealing Bulk Container Fillers/Packers
- 41 41 13 41 41 16 Container Cappers
- 41 41 19 **Container Fillers**
- 41 41 19.13
 - **Bag Fillers**
- **Box Fillers** 41 41 19.16
- 41 41 19.19 **Bottle Fillers Container Sealers**
- 41 41 23

Container Packing Equipment

- **Box Packing Equipment** 41 42 13
- 41 42 13.13 Box Makers
- 41 42 13.16 Box Packers
- 41 42 16 **Bulk Material Loaders**
- 41 42 16.13 **Container Bulk Material Loaders**
- Truck Bulk Material Loaders 41 42 16.23
- 41 42 16.26 Railcar Bulk Material Loaders
- 41 42 16.29 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**

Barcode Readers

- 41 43 16.13
- 41 43 16.16 **Barcode Printers**
- 41 43 19 Labeling Equipment
- 41 43 23 Pallet Stacking/Wrapping Equipment

41 50 00

41 51 00

41 52 00

- Material Storage Automatic Material Storage
- 41 51 13

Automatic Storage/Automatic Retrieval Systems

Bulk Material Storage

41 52 13

- Bins and Hoppers Fixed Bins and Hoppers 41 52 13.13
- Portable Bins and Hoppers 41 52 13.23
- **Bulk Material Containers** 41 52 13.33
- 41 52 13.43 Returnable Bins and Hoppers
- 41 52 13.53 Throwaway Bins and Hoppers

41 52 16	Silos
41 52 16.13	Concrete Silos
41 52 16.16	Concrete Masonry Unit Silos
41 52 16.19	Steel Silos Matarial Starage Tanka
41 52 19 41 52 19.13	Material Storage Tanks Horizontal Material Storage Tanks
41 52 19.13	Vertical Material Storage Tanks
41 52 19.33	Portable Material Storage Tanks
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	Trenchers
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 41 62 29	Pickup Trucks Tank Trucks
41 63 00	General Vehicles
41 63 13	
41 63 15	Bicycles 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	Electric Locomotives
41 64 16	Mobile Railcar Movers
41 65 00	Mobile Support Equipment
41 65 13	Mobile Air Compressors
41 65 16	Mobile Generators
41 65 19	Mobile Welders
41 66 00	Miscellaneous Mobile Equipment
41 66 13	Mobile Boring and Drilling Rigs

- 41 66 16
41 66 19
41 66 23Mobile Lifts and Cherrypickers
Mobile Paving Equipment
Mobile Sweepers/Vacuums41 67 00
41 67 13Plant Maintenance Equipment
Plant Lube Oil System
 - 41 67 16 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	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
40.00.40	Equipment
42 06 10 42 06 20	Schedules for Process Heating Equipment
42 06 20	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 42 12 16	Electric Process Heaters Fuel-Fired Process Heaters
42 12 10	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 25	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 42 14 29	Industrial Calcining Furnaces Industrial Heat-Treating Furnaces
72 14 23	industrial ricat ricating runades

42 14 33 42 14 33.13 42 14 33.16 42 14 33.19 42 14 36 42 14 43 42 14 46 42 14 53 42 14 56 42 15 13 42 15 16	Industrial Melting Furnaces Ceramics and Glass Melting Furnaces Ferrous Melting Furnaces Non-Ferrous Melting Furnaces Primary Refining Furnaces Reactor Furnaces Industrial Reheat Furnaces Industrial Sintering Furnaces Industrial Vacuum Furnaces Industrial Ovens Industrial Drying Ovens 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 42 22 19	Reciprocating Process Chillers and Coolers
42 22 19 42 22 23	Refrigerant Process Chillers and Coolers Rotary Process Chillers and Coolers
42 22 23	Thermoelectric Process Chillers and Coolers
42 23 00	
42 23 13	Process Condensers and Evaporators Process Condensers
42 23 13	Process Cooling Evaporators
42 23 10	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 42 31 23	Regenerative Dryers Refrigerant Dryers
42 32 00 42 32 13	Material Dryers
42 32 13	Centrifugal Material Dryers Conveyor Material Dryers
42 32 10	Flash Material Dryers
42 32 13	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

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43	01	00
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Process Gas and Liquid Handling, Purification, and Storage Equipment

Operation and Maintenance of Process Gas and Liquid Handling, Purification, and Storage Equipment

- 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
- Liquid Pumps Maintenance and Rehabilitation 43 01 20.13
- 43 01 20.16 Liquid Process Equipment Maintenance and Rehabilitation
- Operation and Maintenance of Gas and Liquid Hi-Purification Equipment 43 01 30
- Operation and Maintenance of Gas and Liquid Storage 43 01 40
- 43 01 40.13 Non-pressurized Tanks Cleaning, Maintenance, and Rehabilitation
- Pressurized Tanks Cleaning, Maintenance, and Rehabilitation 43 01 40.16

43 05 00

Common Work Results for Process Gas and Liquid Handling, Purification, and **Storage Equipment**

43 05 05	Selective Demolition for Process Gas and Liquid Handling, Purification, and Storage Equipment.
43 05 10	Common Work Results for Gas Handling 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
12 11 22	Avial Blowers

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	Rotary Vane Blowers
43 11 41	Gas-handling Venturi Jet Pumps
43 11 43	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	Gas Separation Equipment
43 13 33	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	Static Prefilters
43 15 13.16	Static Final Filters
43 15 13.19 43 15 13.23	Static HEPA Filters Pulse Filters
43 15 33	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	Air Filter Media
43 15 73.12	Permanent Washable Filters
43 15 73.13	Poly-ring Air Filters
43 15 73.15	Rigid Cell Filters
43 15 73.17	Automatic Roll-type Air Filters
43 15 76	Chemical Media for Air and Gas Filters
43 20 00	Liquid Handling Equipment
43 22 00	Liquid Process Equipment

- Liquid Aeration Devices Liquid Agitators Liquid Blenders 43 22 13
- 43 22 16
- 43 22 19

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 33	-
	Liquid Evaporators
43 22 39	Liquid Feeders
43 22 56	Liquid Process Mixers
43 22 59	Liquid Process Pressure Regulators
43 22 63	Liquid Separation Towers
43 22 66	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	Overhung Flexibly-coupled Horizontal Axial Flow Centrifugal Pumps
43 23 13.14	Overhung Flexibly-coupled Horizontal Frame-mounted Centrifugal Pumps
43 23 13.17 43 23 13.19	Overhung Flexibly-coupled Horizontal Foot-mounted Centrifugal Pumps Overhung Flexibly-coupled Horizontal Foot-mounted Self-priming Centrifugal
45 25 15.19	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
	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 21.19	Between-bearings Impeller, Multiple-stage, Radially-split Centrifugal Pumps
43 23 21.21	Between-bearings Impeller, Multiple-stage, Radially-split, Single Casing
	Centrifugal Pumps
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 43 23 31.23	Overhung Close-coupled Vertical Inline Centrifugal Pumps Overhung Close-coupled Vertical End Suction Centrifugal Pumps
43 23 31.23	Overhung Close-coupled Venical End Suction Centinugal Pumps Overhung Close-coupled Sealless with Canned Motor Vertical Centrifugal Pumps
43 23 31.24	Overhung Rigidly-coupled Vertical Inline Centrifugal Pumps
43 23 31.27	Overhung Close-coupled Vertical Centrifugal Pumps
43 23 51.29	Vane Pumps
10 20 01	

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 71.13	Air-Operated Diaphragm Simplex Single-Acting Reciprocating Pumps
43 23 71.23	Air-Operated Diaphragm Duplex Single-acting Reciprocating Pumps
43 23 71.33	Air-Operated Diaphragm Duplex Single-acting Reciprocating Pumps
43 23 72	Air-Operated Bellows Reciprocating Pumps
43 23 72.13	Air-Operated Bellows Keciprocating Fumps 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 73.13	Air-Operated Piston Simplex Single-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 Double-Acting Piston Simplex Reciprocating Pumps
43 23 75.23	Steam Vertical Double-Acting Piston Duplex Reciprocating Pumps
43 23 75.33	Steam Vertical Double-Acting Plunger Simplex Reciprocating Pumps
43 23 75.43	Steam Vertical Double-acting Plunger Duplex Reciprocating Pumps
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 43 23 78.23	Controlled Volume Horizontal Packed Piston Duplex Reciprocating Pumps Controlled Volume Horizontal Packed Piston Multiplex Reciprocating Pumps
43 23 78.23	Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex
45 25 70.51	Reciprocating Pumps
43 23 78.32	Controlled Volume Horizontal Mechanically-Coupled Diaphragm Duplex
	Reciprocating Pumps
43 23 78.33	Controlled Volume Horizontal Mechanically-Coupled Diaphragm Multiplex
	Reciprocating Pumps
43 23 78.34	Controlled Volume Horizontal Hydraulically-Coupled Diaphragm Simplex
	Reciprocating Pumps
43 23 78.35	Controlled Volume Horizontal Hydraulically-Coupled Diaphragm Duplex
43 23 78.36	Reciprocating Pumps Controlled Volume Horizontal Hydraulically-Coupled Diaphragm Multiplex
45 25 70.50	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
10 20 10.01	Reciprocating Pumps
43 23 79.35	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	Suspended Liquid Pumps
43 24 11	Vertically Suspended Single-Casing Submersible Centrifugal Pumps

	43 24 13	Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps
	43 24 13.13	Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps
	43 24 13.23	Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal Pumps
	43 24 13.33	Vertically Suspended Single-Casing Discharge-through-column Axial Flow Centrifugal Pumps
	43 24 16	Vertically Suspended Single-casing Separate Discharge (Sump) Centrifugal Pumps
	43 24 16.13	Vertically Suspended Single-Casing Separate Discharge (Sump) Line Shaft Centrifugal Pumps
	43 24 16.23	Vertically Suspended Single-Casing Separate Discharge (Sump) Cantilever Centrifugal Pumps
	43 24 21	Vertically Suspended Double-Casing Centrifugal Pumps
	43 24 21.13	Vertically Suspended Double-Casing Diffuser Centrifugal Pumps
	43 24 21.23	Vertically Suspended Double-Casing Volute Centrifugal Pumps
	43 24 26	Vertically Suspended Inline Casing Diffuser Centrifugal Pumps
	43 24 41	Archimedes Screw Pumps
	43 24 41.13	Positive-Displacement Inclined Open Archimedes Screw-type Pumps
	43 24 41.23	Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps
43 2	25 00	Submersible/Immersible Liquid Pumps
	43 25 13	Overhung Close-Coupled Submersible Centrifugal Pumps
	43 25 13.13	Overhung Close-Coupled Submersible Diffuser Centrifugal Pumps
	43 25 13.23	Overhung Close-Coupled Submersible Volute Centrifugal Pumps
	43 25 50	Positive Displacement Submersible Liquid Pumps
43 2	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 43 26 30.29	Between-Bearings Impeller Single-Stage Regenerative Turbine Pumps Between-Bearings Impeller Two-Stage Regenerative Turbine Pumps
	43 26 40	Regenerative Turbine Pumps
	43 26 60	Regenerative Vacuum Pumps
	43 26 70	Rotating-Case Pumps
12 4	27 00	Process Liquid Filters
43 4		•
	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 43 27 43	Mechanically Cleaned Liquid Filters
	43 27 43	Tubular Backwashing Liquid Filters
		Vacuum Belt Liquid Filters
	43 27 63 43 27 63.13	Woven Media Liquid Filters Disc Liquid Filters
	43 27 63.13	Rotating Drum Liquid Filters
	43 27 63.33	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 43 27 73.23	Surface Liquid Filters Depth Liquid Filters
43	30 00	Gas and Liquid Purification Equipment
43 3	31 00	Gas and Liquid Purification Filtration Equipment
	43 31 13	Gas and Liquid Purification Filters
	43 31 13.13	Activated Carbon-Gas and Liquid Purification Filters
	43 31 13.16	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 43 31 13.29	Multimedia Gas and Liquid Purification Filters Pretreatment Cartridge Gas and Liquid Purification Filters
	43 31 13.33	Ultrafilter Units
43 3	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 43 32 36	External Regeneration Systems
	43 32 30	Mixed-Bed Ion-Exchange Vessels Gas and Liquid Purification Mixed Beds
	43 32 39.13	Externally Regenerable Gas and Liquid Purification Mixed Beds
	43 32 39.16	In-Situ Regenerable Gas and Liquid Purification Mixed Beds
	43 32 53	Packed-Bed Ion-Exchange Vessels
	43 32 56	Reverse-Osmosis Purification Units
	43 32 59	Gas and Liquid Purification Scrubbers
	43 32 63	Ultraviolet Sterilizers
	43 32 66	Vacuum Degasifiers
	43 32 69	Chemical Feed Systems
	43 32 73	Ozonation Equipment
40	43 32 76	Chlorination Equipment
-	40 00	Gas and Liquid Storage
43 4	41 00	Non-pressurized Tanks and Vessels
	43 41 11	Bolted Steel Tanks
	43 41 13	Welded Steel Tanks
	43 41 13.13	Glass-lined Welded Steel Tanks
	43 41 13.23 43 41 13.33	Rubber-lined Welded Steel Tanks Epoxy-lined Welded Steel Tanks
	43 41 13.43	Ceramic-lined Welded Steel Tanks
	43 41 23	Stainless Steel Tanks
	43 41 26	Aluminum Tanks
	43 41 31	Metallic Specialty Tanks
	43 41 41	Polyvinyl Chloride Tanks
	43 41 43	Polyethylene Tanks
	43 41 45	Fiberglass Reinforced Plastic Tanks
	43 41 53	Wood Stave Tanks
	43 41 63	Precast Concrete Tanks
	43 41 73	Ceramic Tanks

43 41 83Non-metallic Specialty Tanks43 42 00Pressurized Tanks and Vess43 42 11Cast Iron Pressure Tanks43 42 13Ductile Iron Pressure Tanks43 42 21Welded Steel Pressure Tanks43 42 21Cast Iron Pressure Tanks	sels
43 42 21Welded Steel Pressure Tanks43 42 23Glass-lined Steel Pressure Tanks43 42 26Welded Steel Gas Storage Sphere43 42 33Stainless Steel Pressure Tanks43 42 36Aluminum Pressure Tanks43 42 41Metallic Specialty Pressure Tanks43 42 53Fiberglass Reinforced Plastic Pressure43 42 83Non-metallic Specialty Pressure Tanks	

44 05 05

44 10 00

44 11 00

44 00 00 Pollution and Waste Control Equipment

44 01 00 Operation and Maintenance of Pollution and Waste Control Equipment

- 44 01 10 Operation and Maintenance of Air Pollution Control
- 44 01 20 Operation and Maintenance of Noise Pollution Control
- 44 01 30 Operation and Maintenance of Odor Control Equipment
- 44 01 40 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

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 Commissioning Solid Waste Control and Reuse
- 44 08 60 Commissioning of Waste Thermal Processing Equipment

Air Pollution Control

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 Venturi Scrubbing Equipment
- 44 11 33 Spray Tower/Chamber Scrubbing Equipment
- 44 11 36 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	Jet Bubbling Reactor Equipment
44 13 17	Venturi Absorption Equipment
44 13 20	Vacuum Extraction Systems
44 13 31	Powdered Injection Adsorption Equipment
44 13 33	Fluidized Bed Adsorption Equipment
44 13 34	Fixed Bed Adsorption Equipment
44 13 36	Rotary Bed Adsorption Equipment
44 13 39	Radial Bed Adsorption Equipment
44 13 51	Thermal Oxidation Equipment
44 13 53	Catalytic Oxidation Equipment
44 13 56	Flare Oxidation Equipment
44 13 59	Claus Sulfur Recovery Equipment
44 13 71	Thermal Reduction Equipment
44 13 73	Catalytic Reduction Equipment
44 13 76	Non-catalytic Reduction Equipment
44 13 77	Selective Non-catalytic Reduction Equipment
44 13 81	Condensation Systems
44 13 83	Contact Condensing Equipment
44 13 86	Solvent Recovery Equipment
44 13 91	Biofilter Media
44 13 93	Fixed Bed Biofilter Equipment
44 13 96	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	Activated Carbon Adsorption Odor Control Equipment
44 31 19	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

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44 31 33	Odor Control Bioscrubbing Equipment
44 31 41	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	Containment Booms
44 41 23	Marine Spill Accessories
44 41 31	Spill Decks Drum Containment Units
44 41 32 44 41 33	Containment Pallets
44 41 33	
44 41 34	Prefabricated Spill Containment Curbing Prefabricated Spill Containment Berms
44 41 30	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	Bagging Equipment
44 53 66	Wrappers
44 53 73	Solid Waste Liquid Extraction Equipment
44 55 00	Composting Equipment
44 55 11	
44 55 11	Electromechanical Composters
44 55 15	Compost Screening Equipment
44 55 23	Compost Shredding Equipment Compost Pile Turning Equipment
44 55 26	Compost Mixing and Blending Equipment
44 55 33	In-vessel Composing Equipment
44 55 43	Compost Pad System
44 55 73	Compost Liquid Extraction Equipment
44 60 00	Waste Thermal Processing Equipment
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44 61 00	Waste-to-Energy Plants
44 61 13	Waste Receiving, Management, and Feed Equipment
44 61 16	Mass Burn Combustion Equipment
44 61 23 44 61 26	Refuse-derived Fuel Feed Equipment
44 61 26	Refuse-derived Fuel Combustion Equipment Modular Combustion System Equipment
44 61 29	Ash Handling Equipment
44 61 33	Post-combustion Ferrous Metals Recovery Equipment
44 61 36	Post-combustion Non-ferrous Metals Recovery Equipment
44 62 00	Fluidized Bed Combustion Equipment
44 63 00	Rotary Kiln Incinerators
44 64 00	Gasification Equipment
44 64 13	Counter-current Fixed Bed Gasification Equipment
44 64 23	Co-current Fixed Bed Gasification Equipment
44 64 33	Fluidized Bed Gasification Equipment
44 64 43	Entrained Flow Gasification Equipment
44 64 53	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	Industry-Specific Manufacturing
	Equipment
45 05 00	• •
45 05 00	Common Work Results for Industry-Specific
45 05 05	Manufacturing Equipment Selective Demolition for Industry-Specific Manufacturing Equipment
45 05 05 45 08 00	Commissioning of Industry-Specific Manufacturing
45 00 00	- · · · ·
45 44 00	Equipment
45 11 00	Oil and Gas Extraction Equipment
45 11 01 45 11 06	Operation and Maintenance of Oil and Gas Extraction Equipment Schedules for Oil and Gas Extraction Equipment
	5 12 99 User-Defined Oil and Gas Extraction Equipment
45 13 00	Mining Machinery and Equipment
45 13 01	Operation and Maintenance of Mining Machinery and Equipment
45 13 06	Schedules for Mining Machinery and Equipment
	5 14 99 User-Defined Mining Machinery and Equipment
45 15 00	Food Manufacturing Equipment
45 15 01	Operation and Maintenance of Food Manufacturing Equipment
45 15 06	Schedules for Food Manufacturing Equipment
	5 16 99 User-Defined Food Manufacturing Equipment
45 17 00	Beverage and Tobacco Manufacturing Equipment
45 17 01	Operation and Maintenance of Beverage and Tobacco Manufacturing Equipment
45 17 06	Schedules for Beverage and Tobacco Manufacturing Equipment
	5 18 99 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
45 19 06	Equipment Schedules for Textiles and Apparel Manufacturing Equipment
	5 20 99 User-Defined Textiles and Apparel Manufacturing Equipment
45 21 00	Leather and Allied Product Manufacturing Equipment
45 21 01	Operation and Maintenance of Leather and Allied Product Manufacturing
10 21 01	Equipment
45 21 06	Schedules for Leather and Allied Product Manufacturing Equipment
45 21 10 to 4	Equipment
45 23 00	Wood Product Manufacturing Equipment
45 23 01	Operation and Maintenance of Wood Product Manufacturing Equipment
45 23 06	Schedules for Wood Product Manufacturing Equipment
	5 24 99 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 to 4	Schedules for Paper Manufacturing Equipment 526 99 User-Defined Paper Manufacturing Equipment
45 27 00	Printing and Related Manufacturing Equipment
45 27 00	Operation and Maintenance of Printing and Related Manufacturing
	Equipment

45 27 06	Schedules for Printing and Related Manufacturing Equipment
	5 28 99 User-Defined Printing and Related Manufacturing Equipment
45 29 00	Petroleum and Coal Products Manufacturing
45 00 04	Equipment
45 29 01	Operation and Maintenance of Petroleum and Coal Products Manufacturing Equipment
45 29 06	Schedules for Petroleum and Coal Products Manufacturing Equipment
45 29 10 to 45	•
	Equipment
45 31 00	Chemical Manufacturing Equipment
45 31 01 45 31 06	Operation and Maintenance of Chemical Manufacturing Equipment
	Schedules for Chemical Manufacturing Equipment 5 32 99 User-Defined Chemical Manufacturing Equipment
45 33 00	Plastics and Rubber Manufacturing Equipment
45 33 01	Operation and Maintenance of Plastics and Rubber Manufacturing
	Equipment
45 33 06	Schedules for Plastics and Rubber Manufacturing Equipment
	5 34 99 User-Defined Plastics and Rubber Manufacturing Equipment
45 35 00	Nonmetallic Mineral Product Manufacturing
15 DE 01	Equipment
45 35 01	Operation and Maintenance of Nonmetallic Mineral Product Manufacturing Equipment
45 35 06	Schedules for Nonmetallic Mineral Product Manufacturing Equipment
45 35 10 to 45	o
	Equipment
45 37 00	Primary Metal Manufacturing Equipment
45 37 01 45 37 06	Operation and Maintenance of Primary Metal Manufacturing Equipment Schedules for Primary Metal Manufacturing Equipment
	5 38 99 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 45 30 10 to 44	Schedules for Fabricated Metal Product Manufacturing Equipment
45 41 00	5 40 99 User-Defined Fabricated Metal Product Manufacturing Equipment Machinery Manufacturing Equipment
45 41 01	Operation and Maintenance of Machinery Manufacturing Equipment
45 41 06	Schedules for Machinery Manufacturing Equipment
45 41 10 to 45	5 42 99 User-Defined Machinery Manufacturing Equipment
45 43 00	Computer and Electronic Product Manufacturing
	Equipment
45 43 01	Operation and Maintenance of Computer and Electronic Product
45 43 06	Manufacturing Equipment Schedules for Computer and Electronic Product Manufacturing Equipment
45 43 00 45 43 10 to 45	
	Equipment
45 45 00	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 Manufacturing Equipment

45 45 10 to 45 46 99 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 Schedules for Transportation Manufacturing Equipment
- 45 47 10 to 45 48 99 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 Manufacturing Equipment
- 45 49 06 Schedules for Furniture and Related Product Manufacturing Equipment
- 45 49 10 to 45 50 99 User-Defined Furniture and Related Product Manufacturing Equipment

45 51 00 Other Manufacturing Equipment

- 45 51 01 Operation and Maintenance of Other Manufacturing Equipment
- 45 51 06 Schedules for Other Manufacturing Equipment
- 45 51 10 to 45 52 99 User-Defined Other Manufacturing Equipment

46 00 00 46 01 00	Water and Wastewater Equipment Operation and Maintenance of Water and
46 01 07 46 01 20 46 01 30 46 01 40 46 01 50 46 01 60 46 01 70	Wastewater Equipment Operation and Maintenance of Packaged Treatment Equipment Operation and Maintenance of Preliminary Treatment Equipment Operation and Maintenance of Chemical Feed Equipment Operation and Maintenance of Clarification and Mixing Equipment Operation and Maintenance of Secondary Treatment Equipment Operation and Maintenance of Advanced Treatment Equipment Operation and Maintenance of Residuals Handling and Treatment
46 05 00	Common Work Results for Water and
46 05 05 46 06 00	Wastewater Equipment Selective Demolition for Water and Wastewater Equipment Schedules for Water and Wastewater
	Equipment
46 06 07 46 06 20 46 06 30 46 06 40 46 06 50 46 06 60 46 06 70	Schedules for Packaged Treatment Equipment Schedules for Preliminary Treatment Equipment Schedules for Chemical Feed Equipment Schedules for Clarification and Mixing Equipment Schedules for Secondary Treatment Equipment Schedules for Advanced Treatment Equipment Schedules for Residuals Handling and Treatment
46 07 00	Packaged Water and Wastewater
	Treatment Equipment
46 07 13 46 07 53	Packaged Water Treatment Equipment Packaged Wastewater Treatment Equipment
46 08 00	Commissioning of Water and Wastewater
	Equipment
46 08 07 46 08 20 46 08 30 46 08 40 46 08 50 46 08 60 46 08 70	Commissioning of Packaged Treatment Equipment Commissioning of Preliminary Treatment Equipment Commissioning of Chemical Feed Equipment Commissioning of Clarification and Mixing Equipment Commissioning of Secondary Treatment Equipment Commissioning of Advanced Treatment Equipment Commissioning of Residuals Handling and Treatment
46 20 00	Water and Wastewater Preliminary
	Treatment Equipment
46 21 00 46 21 11 46 21 13 46 21 16 46 21 17	Screening Equipment Climber-type Bar Screens Chain-and-Rake Bar Screens Flexible Rake Bar Screens 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	Trash Raking Equipment
46 21 73	Screenings Washing and Compacting Equipment
46 21 76	Vacuum Screenings Conveying Equipment
46 21 79 46 21 83	Screenings Storage Containers
	Septage Receiving Equipment
46 23 00	Grit Removal and Handling Equipment
46 23 13	Chain-and-Bucket Grit Removal Equipment
46 23 16	Chain-and-Flight Grit Removal Equipment
46 23 23	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 46 24 33	Inline Grinders
46 24 33	Open-channel Grinders
	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 46 25 47	Chain and Flight Scum Collection and Removal Equipment
	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 Gas Storage, Weighing, and Leak Detection Equipment 46 31 23

- 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

Dry Chemical Feed Equipment

- 46 36 11 Dry Chemical Feed System Coordination and Integration
- 46 36 13 Storage Silos

46 36 00

46 41 00

- 46 36 23 Dry Chemical Weighing Equipment
- 46 36 33 Volumetric Feed Equipment
- 46 36 36 Gravimetric Feed Equipment
- 46 36 43 Lime Slaking Equipment
- 46 36 53 Chemical Tablet Feeding Equipment
- 46 36 83 Dry Chemical Feed Accessories and Safety Equipment

46 40 00 Water and Wastewater Clarification and

Mixing Equipment

Mixing Equipment

- 46 41 11 Rapid Mixers
- 46 41 13 Inline Blender-type Rapid Mixers
- 46 41 16 Induction-type Rapid Mixing Equipment
- 46 41 17 Inline Static Mixers
- 46 41 21 Jet Mixing Equipment
- 46 41 23 Submersible Mixers
- 46 41 26 Floating Mechanical Mixers
- 46 41 27 Paddle Mixers
- 46 41 29 Pin Mixers
- 46 41 31 Vertical Reel Flocculation Equipment
- 46 41 33 Horizontal Reel Flocculation Equipment
- 46 41 34 Vertical Turbine Flocculation Equipment
- 46 41 36 Walking-beam Flocculation Equipment
- 46 41 38 Horizontal Oscillating Flocculation Equipment
- 46 41 41 Top-entering Tank Mixers
- 46 41 43 Side-entry Tank Mixers
- 46 41 46 Portable Tank Mixers

46 43 00	Clarifier Equipment
46 43 11	Chain-and-Flight Clarifier Equipment
46 43 14	Traveling Bridge Clarifier Equipment
46 43 16	Differential Head Clarifier Equipment
46 43 18	Oscillating Scraper-type Clarifier Equipment
46 43 21	Circular Clarifier Equipment
46 43 53	Solids Contact Clarifier Equipment
46 43 61	Flocculating Clarifier, Pulsating Sludge Blanket Type
46 43 63	Dissolved Air Flotation Equipment for Water Treatment
46 43 66	Ballasted High-rate Clarifier Equipment
46 43 67	High rate Clarification/Thickening Equipment
46 43 73	Tube Settlers
46 43 76	Inclined Plate Settlers
46 46 00	Sediment Removal Equipment
46 46 13	Tipping Sediment Flushing Tanks
46 46 16	Flushing Gates
46 46 23	Water Čannon
46 46 26	Nozzle Systems
46 50 00	Water and Wastewater Secondary
40 30 00	
	Treatment Equipment
46 51 00	Air and Gas Diffusion Equipment
46 51 11	Fixed Mechanical Aerators
46 51 13	Floating Mechanical Aerators
46 51 16	Submersible Aspirating Aerator Equipment
46 51 17	Jet Aeration Equipment
46 51 21	Coarse Bubble Diffusers
46 51 23	Swing-type Channel Aeration Equipment
46 51 26	Shear Box Diffusers
46 51 31	Flexible Membrane Tube Diffusers
46 51 33	Flexible Membrane Disc Diffusers
46 51 36	Ceramic Disc Fine Bubble Diffusers
46 51 43	Floating Membrane Diffusers
46 51 46	Membrane Diffusers
46 51 53	Cascading Aerators
46 51 63	Pure-oxygen Generating Equipment
46 53 00	Biological Treatment Systems
46 53 13	Rotating Biological Contactors
46 53 23	Trickling Filter Rotary Distributor Equipment
46 53 24	Trickling Filter Media
46 53 26	Bio-towers
46 53 33	Moving-bed Biological Reactors
46 53 36	Integrated Fixed-film Activated Sludge Equipment
46 53 41	Intermittent Sand Filters for Wastewater Treatment
46 53 43	Deep-bed Denitrification Filters
46 53 46	Biologically Activated Filters
46 53 49	Membrane Biological Reactors
46 53 53	Sequencing Batch Reactors
46 53 61	Oxidation Ditch Equipment

46 53 63	Vertical Loop Reactors
46 60 00	Water and Wastewater Advanced
	Treatment Equipment
46 61 00	Filtration Equipment
46 61 13	Filter Media
46 61 16	Filter Surface Wash Agitators
46 61 17	Filter Air Scour Equipment
46 61 19	Wash Water Troughs
46 61 21	Pressure Filters
46 61 23	Gravity Filters
46 61 26	High-rate Sand Filters
46 61 29	Traveling Bridge Filters
46 61 33	Microfiltration and Ultrafiltration Membrane Equipment
46 61 41	Disc Cloth Filters
46 61 43	Rotary Drum Cloth Filters
46 61 46	Automatic Backwash Cloth Filter Equipment
46 61 53	Cartridge Filters
46 61 63	Bag Filters
46 61 73	Automatic Straining Equipment
46 63 00	Demineralization Equipment
46 63 11	Ion-exchange Vessel Media
46 63 13	Mixed Bed Ion-exchange Vessel Systems
46 63 16	Packed Bed Ion-exchange Vessel Systems
46 63 17	Electrodialysis Reversal Equipment
46 63 23	Reverse-Osmosis and Nanofiltration Membrane Equipment
46 63 31	Multiple-effect Distillation Equipment
46 63 33	Desalination Mechanical Vapor Compression Equipment
46 63 34	Desalination Thermal Vapor Compression Equipment
46 63 36 46 63 41	Desalination Multi-stage Flash Equipment
46 63 41	Desalination Falling Film Evaporators Desalination Rising Film Evaporators
46 63 53	Desalination Forced-circulation Crystallizing Equipment
46 63 63	Desalination Spray Dry Evaporation Equipment
46 63 73	Demineralization Energy Recovery Equipment
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	Closed-vessel Medium-pressure Ultraviolet Treatment Equipment
46 66 53	Open-channel Low-pressure/Low-intensity Ultraviolet Treatment Equipment
46 66 56	Open-channel Low-pressure/High-intensity Ultraviolet Treatment Equipment
46 66 63	Open-channel Medium-pressure Ultraviolet Treatment Equipment
46 70 00	Water and Wastewater Residuals Handling
	and Treatment

46 71 00	Residuals Thickening Equipment
46 71 13	Circular Gravity Thickeners
46 71 16	Gravity Belt Thickeners
46 71 23	Dissolved Air Flotation Thickening Equipment
46 71 33	Rotary Drum Thickening Equipment
46 71 36	Centrifuge Thickening Equipment
46 71 43	Disc Thickeners
46 71 46	Thickening Screw Press
46 71 53	Scum Concentrator Equipment
46 73 00	Residuals Stabilization
46 73 11	Radial Beam Fixed Digester Covers
46 73 12	Dual Deck Truss-type Fixed Digester Covers
46 73 14	Radial Beam Floating Digester Covers
46 73 16	Dual Deck Truss-type Floating Digester Covers
46 73 17	Radial Beam Floating Gas-holding Digester Covers
46 73 18	Dual Deck Truss-type Floating Gas-holding Digester Covers
46 73 19	Digester Appurtenances
46 73 21 46 73 24	Aerobic Digester Aeration Equipment
46 73 24	Autothermal Thermophilic Aerobic Digestion Equipment Egg-shaped Digesters
46 73 31	External Draft Tube Digester Mixing System
46 73 32	Internal Draft Tube Digester Mixing System
46 73 33	Confined Gas 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 48 01 00	Electrical Power Generation Operation and Maintenance for Electrical Power Generation
48 01 10 48 01 70 48 05 00	Operation and Maintenance of Electrical Power Generation Equipment Operation and Maintenance of Electrical Power Generation Testing Common Work Results for Electrical Power Generation
48 05 05 48 06 00 48 06 10 48 06 70	Selective Demolition for Electrical Power Generation Schedules for Electrical Power Generation Schedules for Electrical Power Generation Equipment Schedules for Electrical Power Generation Testing
48 08 00 48 09 00	Commissioning of Electrical Power Generation Instrumentation and Control for Electrical Power Generation
48 10 00	Electrical Power Generation Equipment
48 11 00	Fossil Fuel Plant Electrical Power Generation
48 11 13 48 11 16 48 11 19 48 11 23 48 11 26	Equipment Fossil Fuel Electrical Power Plant Boilers Fossil Fuel Electrical Power Plant Condensers Fossil Fuel Electrical Power Plant Steam Turbines Fossil Fuel Electrical Power Plant Gas Turbines Fossil Fuel Electrical Power Plant Generators
48 12 00	Nuclear Fuel Plant Electrical Power Generation
48 12 13 48 12 13.13 48 12 13.16 48 12 23 48 12 26 48 12 29 48 12 33	Equipment Nuclear Fuel Reactors Nuclear Fuel Fission Reactors Nuclear Fuel Fusion Reactors Nuclear Fuel Electrical Power Plant Steam Generators Nuclear Fuel Electrical Power Plant Condensers Nuclear Fuel Electrical Power Plant Turbines Nuclear Fuel Electrical Power Generators
48 13 00	Hydroelectric Plant Electrical Power Generation
48 13 13 48 13 16	Equipment Hydroelectric Power Plant Water Turbines Hydroelectric Power Plant Electrical Power Generators
48 14 00 48 14 13 48 14 13.13 48 14 13.16 48 14 13.19	Solar Energy Electrical Power Generation Equipment Solar Energy Collectors Amorphous Solar Energy Collectors Plate Cell Solar Energy Collectors Vacuum Tube Solar Energy Collectors
48 15 00	Wind Energy Electrical Power Generation Equipment
48 15 13 48 15 16	Wind Turbines 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 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	Electrical Power Generation Current Test Equipment
48 71 19	Electrical Power Generation Power Test Equipment
18 71 23	Electrical Power Generation Resistance Test Equipment

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