**DEPARTMENT OF VETERANS AFFAIRS**

**VHA MASTER SPECIFICATIONS**

**TABLE OF CONTENTS**

**Section 00 01 10**

| **SECTION NO** | **DIVISION AND SECTION TITLES** | **DATE** |
| --- | --- | --- |
|  | **DIVISION 00 ‑ SPECIAL SECTIONS** |  |
|  |  |  |
| 00 01 15 | List of Drawing Sheets | 05-20 |
| 00 11 21 | Request for Proposal to Design Build | 09-21 |
|  |  |  |
|  | **DIVISION 01 ‑ GENERAL REQUIREMENTS** |  |
|  |  |  |
| 01 00 00 | General Requirements  | 11-21 |
| 01 32 16.01 | Architectural and Engineering CPM Schedules | 03-20 |
| 01 32 16.13 | Network Analysis Schedules – Major Construction Project Design-Bid-Build | 05-22 |
| 01 32 16.15 | Project Schedules (Small Projects – Design/Bid/Build | 01-24 |
| 01 32 16.16 | Network Analysis Schedules (Design-Build Only) | 05-22 |
| 01 32 16.17 | Network Analysis Schedules – Major Design/Build Projects | 06-19 |
| 01 33 23  | Shop Drawings, Product Data, and Samples  | 11-23 |
| 01 35 26 | Safety Requirements for Major Projects | 12-23 |
| 01 42 19 | Reference Standards | 11-20 |
| 01 45 00 | Quality Control | 02-21 |
| 01 45 29 | Testing Laboratory Services | 11-18 |
| 01 45 35 | Special Inspections | 06-21 |
| 01 57 19 | Temporary Environmental Controls  | 01-21 |
| 01 58 16 | Temporary Interior Signage | 07-15 |
| 01 74 19 | Construction Waste Management | 04-22 |
| 01 81 13 | Sustainable Construction Requirements | 10-17 |
| 01 81 13.02 | Sustainability Certification Requirements – LEED V4 BD+C: New Construction and Major Renovation | 04-23 |
| 01 81 13.03 | Sustainability Certification Requirements – LEED V4 BD+C: Healthcare | 04-23 |
| 01 81 13.12 | Sustainability Certification Requirements – LEED V4.1 BD+C: New Construction and Major Renovation | 04-23 |
| 01 81 13.13 | Sustainability Certification Requirements – LEED V4.1: Healthcare | 04-23 |
| 01 81 13.14 | Sustainability Certification Requirements – LEED V4.1 BD+C: Data Centers | 04-23 |
| 01 81 13.15 | Sustainability Certification Requirements – LEED V4.1 BD+C: Warehouses and Distribution Centers | 04-23 |
| 01 81 13.21 | Sustainability Certification Requirements – GREEN GLOBES | 01-21 |
| 01 91 00 | General Commissioning Requirements | 04-22 |
| 01 91 00.01 | DVA/USACE Projects General Commissioning Requirements | 08-19 |
|  |  |  |
|  | **DIVISION 02 – EXISTING CONDITIONS** |  |
|  |  |  |
| 02 21 13 | Site Surveys | 12-23 |
| 02 41 00 | Demolition | 08-17 |
| 02 65 00  | Underground Storage Tank Removal | 01-21 |
| 02 82 11 | Traditional Asbestos Abatement | 01-21 |
| 02 82 13.13 | Glovebag Asbestos Abatement | 01-21 |
| 02 82 13.19 | Asbestos Floor Tile and Mastic Abatement | 01-21 |
| 02 82 13.21 | Asbestos Roofing Abatement | 01-21 |
| 02 82 13.31 | Asbestos Transite Abatement | 01-21 |
| 02 82 13.41 | Asbestos Abatement for Total Demolition Project | 01-21 |
| 02 83 33.13 | Lead-Based Paint Removal and Disposal | 01-21 |
|  |  |  |
|  | **DIVISION 03 – CONCRETE** |  |
|  |  |  |
| 03 23 00 | Stressing Tendons | 01-21 |
| 03 30 00 | Cast-in-Place Concrete  | 01-21 |
| 03 30 53 | (Short-Form) Cast-in-Place Concrete | 01-21 |
| 03 37 13 | Shotcrete | 01-21 |
| 03 41 13 | Precast Concrete Hollow Core Planks | 01-21 |
| 03 41 33 | Precast Structural Pretensioned Concrete | 01-21 |
| 03 45 00 | Precast Architectural Concrete | 01-21 |
| 03 51 13 | Cementitious Wood Fiber Decks | 01-21 |
| 03 51 16 | Gypsum Concrete Roof Decks | 01-21 |
| 03 52 00 | Lightweight Concrete Roof Insulation | 01-21 |
| 03 55 11 | Gypsum Concrete Floor Decks | 01-21 |
|  |  |  |
|  | **DIVISION 04 – MASONRY** |  |
|  |  |  |
| 04 01 00 | Maintenance of Masonry | 01-21 |
| 04 05 13 | Masonry Mortaring | 10-17 |
| 04 05 16 | Masonry Grouting | 01-21 |
| 04 20 00 | Unit Masonry | 08-17 |
| 04 72 00 | Cast Stone Masonry | 01-21 |
|  |  |  |
|  | **DIVISION 05 – METALS** |  |
|  |  |  |
| 05 12 00 | Structural Steel Framing | 11-18 |
| 05 21 00 | Steel Joist Framing | 11-18 |
| 05 31 00 | Steel Decking | 01-21 |
| 05 36 00 | Composite Metal Decking | 01-21 |
| 05 40 00 | Cold-Formed Metal Framing | 01-21 |
| 05 50 00 | Metal Fabrications | 08-18 |
| 05 51 00 | Metal Stairs | 01-21 |
|  |  |  |
|  | **DIVISION 06 – WOOD, PLASTICS AND COMPOSITES** |  |
|  |  |  |
| 06 10 00 | Rough Carpentry | 10-17 |
| 06 16 63 | Cementitious Sheathing | 01-21 |
| 06 20 00 | Finish Carpentry  | 01-21 |
|  |  |  |
|  | **DIVISION 07 ‑ THERMAL AND MOISTURE PROTECTION** |  |
|  |  |  |
| 07 01 50.19 | Preparation for Re-Roofing | 01-21 |
| 07 08 00 | Facility Exterior Closure Commissioning | 01-21 |
| 07 08 00.01 | DVA/USACE Projects Facility Exterior Closure Commissioning | 08-19 |
| 07 11 13 | Bituminous Dampproofing | 01-21 |
| 07 12 00 | Built-Up Bituminous Waterproofing | 01-21 |
| 07 13 00 | Sheet Waterproofing | 01-21 |
| 07 13 52 | Modified Bituminous Sheet Waterproofing | 01-21 |
| 07 14 21 | Latex Mastic Deck Covering | 01-21 |
| 07 18 13 | Pedestrian Traffic Coatings | 01-21 |
| 07 21 13 | Thermal Insulation | 01-21 |
| 07 21 23 | Loose-Fill Insulation | 01-21 |
| 07 22 00 | Roof and Deck Insulation | 01-21 |
| 07 24 00 | Exterior Insulation and Finish Systems | 01-21 |
| 07 27 26 | Fluid-Applied Membrane Air Barrier, Vapor Permeable | 01-21 |
| 07 27 27 | Fluid-Applied Membrane Air Barrier, Vapor Retarding | 01-21 |
| 07 31 13 | Asphalt Shingles | 02-21 |
| 07 31 26 | Slate Shingles | 01-21 |
| 07 31 29.13 | Wood Shingles | 01-21 |
| 07 32 13 | Clay Roof Tiles | 01-21 |
| 07 40 00 | Roofing and Siding Panels | 01-21 |
| 07 51 00 | Built-Up Bituminous Roofing | 12-21 |
| 07 51 13.11 | Hot-Applied Built-Up Asphalt Roofing | 12-21 |
| 07 51 13.13 | Cold-Applied Built-Up Asphalt Roofing | 12-21 |
| 07 52 16.11 | Cold Adhesive Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing | 12-21 |
| 07 52 16.12 | Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing | 12-21 |
| 07 53 23 | Ethylene-Propylene-Diene-Monomer Roofing | 01-21 |
| 07 54 16 | Ethylene Interpolymer (KEE) Roofing | 01-21 |
| 07 54 19 | Polyvinyl-Chloride (PVC) Roofing | 12-18 |
| 07 54 23 | Thermoplastic Polyolefin (TPO) Roofing | 01-21 |
| 07 56 00 | Fluid-Applied Roofing | 01-21 |
| 07 57 13 | Sprayed Polyurethane Foam Roofing | 12-21 |
| 07 60 00 | Flashing and Sheet Metal | 01-21 |
| 07 61 16 | Batten Seam Copper Roofing | 01-21 |
| 07 71 00 | Roof Specialties | 01-21 |
| 07 72 00 | Roof Accessories | 01-21 |
| 07 81 00 | Applied Fireproofing | 07-23 |
| 07 84 00 | Firestopping | 01-21 |
| 07 92 00 | Joint Sealants | 04-22 |
| 07 95 13 | Expansion Joint Cover Assemblies | 01-21 |
|  |  |  |
|  | **DIVISION 08 ‑ OPENINGS** |  |
|  |  |  |
| 08 11 13 | Hollow Metal Doors and Frames | 01-21 |
| 08 11 73 | Sliding Metal Fire Doors | 01-21 |
| 08 14 00 | Interior Wood Doors | 01-21 |
| 08 17 10 | Integrated Door Assemblies | 01-21 |
| 08 31 13 | Access Doors and Frames | 04-22 |
| 08 32 13 | ICU Sliding Glass Doors | 01-21 |
| 08 33 00 | Coiling Doors and Grilles | 01-21 |
| 08 33 13 | Coiling Counter Doors | 01-21 |
| 08 34 53 | Security Doors and Frames | 01-21 |
| 08 34 59 | Vault Doors and Day Gates | 01-21 |
| 08 35 13.13 | Accordion Folding Doors | 01-21 |
| 08 36 13 | Sectional Doors | 01-21 |
| 08 38 16 | Flexible Traffic Doors | 01-21 |
| 08 41 13 | Aluminum-Framed Entrances and Storefronts | 01-21 |
| 08 42 33 | Revolving Door Entrances | 01-21 |
| 08 44 13 | Glazed Aluminum Curtain Walls | 04-20 |
| 08 51 13 | Aluminum Windows | 01-21 |
| 08 51 13.11 | Side-Hinged Aluminum Windows | 01-21 |
| 08 51 23 | Steel Windows | 01-21 |
| 08 51 69.11 | Aluminum Storm Windows | 01-21 |
| 08 56 19 | Pass Windows | 01-21 |
| 08 56 53 | Blast Resistant Windows | 01-21 |
| 08 56 59 | Service and Teller Window Units | 01-21 |
| 08 56 66 | Detention Window Screens | 01-21 |
| 08 63 00 | Metal-Framed Skylights | 01-21 |
| 08 71 00 | Door Hardware | 03-24 |
| 08 71 13 | Automatic Door Operators | 01-21 |
| 08 71 13.11 | Low Energy Power Assist Door Operators | 01-21 |
| 08 80 00 | Glazing | 01-21 |
| 08 90 00 | Louvers and Vents | 01-21 |
|  |  |  |
|  | **DIVISION 09 – FINISHES** |  |
|  |  |  |
| 09 05 16 | Subsurface Preparation for Floor Finishes | 01-21 |
| 09 06 00 | Schedule for Finishes | 01-21 |
| 09 22 16 | Non-Structural Metal Framing | 06-18 |
| 09 23 00 | Gypsum Plastering | 01-21 |
| 09 24 00 | Portland Cement Plastering | 01-21 |
| 09 26 00 | Veneer Plastering | 01-21 |
| 09 29 00 | Gypsum Board | 04-20 |
| 09 30 13 | Ceramic/Porcelain Tiling | 01-21 |
| 09 51 00 | Acoustical Ceilings | 12-18 |
| 09 54 23 | Linear Metal Ceilings | 01-21 |
| 09 63 13 | Brick Flooring | 01-21 |
| 09 63 40 | Stone Flooring | 01-21 |
| 09 65 13 | Resilient Base and Accessories | 01-21 |
| 09 65 16 | Resilient Sheet Flooring | 06-22 |
| 09 65 19 | Resilient Tile Flooring | 05-18 |
| 09 66 13 | Portland Cement Terrazzo Flooring | 01-21 |
| 09 66 16 | Terrazzo Floor Tile | 01-21 |
| 09 67 23.20 | Resinous Epoxy Base With Vinyl Chip Broadcast (RES 2) | 12-21 |
| 09 67 23.30 | Resinous (Epoxy Resin Composition) Mortar Flooring (RES-3) | 11-23 |
| 09.67.23.40 | Resinous Poured In Place Resilient Flooring (RES-4) | 01-21 |
| 09 67 23.50 | Resinous Terrazzo Flooring (RES-5) | 01-21 |
| 09 67 23.60 | Resinous Urethane and Epoxy Mortar Flooring (RES-6A and RES 6B) | 01-21 |
| 09 68 00 | Carpeting | 01-21 |
| 09 68 21 | Athletic Carpeting | 01-21 |
| 09 69 00 | Access Flooring | 01-21 |
| 09 72 16 | Vinyl-Coated Fabric Wall Covering | 01-21 |
| 09 72 31 | Polypropylene Fabric Wall Covering | 01-21 |
| 09 78 23 | Phenolic Interior Wall Paneling | 01-21 |
| 09 84 33 | Sound-Absorbing Wall Units | 01-21 |
| 09 91 00 | Painting | 01-21 |
| 09 94 19 | Multicolor Interior Finishing | 01-21 |
| 09 96 59 | Resinous Specialty Glazed Coating Systems for Walls, Ceilings, Wallboard, and Block CMU (RES-W1, RES-W2) | 01-21 |
|  |  |  |
|  | **DIVISION 10 – SPECIALTIES** |  |
|  |  |  |
| 10 11 13 | Chalkboards and Markerboards | 01-21 |
| 10 11 23 | Tackboards | 01-21 |
| 10 11 33 | Glassboards (Magnetic & Non-Magnetic) | 01-21 |
| 10 13 00 | Directories | 01-21 |
| 10 14 00 | Signage | 01-21 |
| 10 21 13 | Toilet Compartments | 01-21 |
| 10 21 16 | Shower and Dressing Compartments | 01-21 |
| 10 21 23 | Cubicle Curtain Tracks | 01-21 |
| 10 22 13 | Wire Mesh Partitions | 01-21 |
| 10 22 19 | Demountable Partitions | 01-21 |
| 10 22 26.13 | Accordion Folding Partitions | 01-21 |
| 10 25 13 | Patient Bed Service Walls | 05-23 |
| 10 26 00 | Wall and Door Protection | 01-21 |
| 10 28 00 | Toilet, Bath, and Laundry Accessories | 01-21 |
| 10 44 13 | Fire Extinguisher Cabinets | 08-18 |
| 10 75 00 | Flagpoles | 01-21 |
|  |  |  |
|  | **DIVISION 11 – EQUIPMENT** |  |
|  |  |  |
| 11 05 12 | General Motor Requirements for Equipment | 01-21 |
| 11 12 00 | Parking Control Equipment | 01-21 |
| 11 17 36 | Package Transfer Units | 01-21 |
| 11 26 00 | Unit Kitchens | 01-21 |
| 11 40 11 | Custom Fabricated Food Service Equipment | 01-21 |
| 11 40 21 | Food Service Equipment-Utility Distribution System | 01-21 |
| 11 41 00 | Food Storage Equipment | 01-21 |
| 11 41 21 | Walk-In Coolers and Freezers | 01-21 |
| 11 44 00 | Food Cooking Equipment | 01-21 |
| 11 48 00 | Cleaning and Disposal Equipment | 01-21 |
| 11 53 13 | Laboratory Fume Hoods | 01-21 |
| 11 53 23 | Laboratory Refrigerators | 01-21 |
| 11 53 53 | Biological Safety Cabinets Laminar Airflow Stations | 01-21 |
| 11 53 61 | Custom Fabricated Laboratory Equipment | 01-21 |
| 11 53 71 | Solution Warming Cabinets | 01-21 |
| 11 71 01 | Medical Washing and Sterilizing Equipment | 01-21 |
| 11 71 02 | Laboratory Washing and Sterilizing Equipment | 01-21 |
| 11 73 00 | Ceiling Mounted Patient Lift System | 08-20 |
| 11 78 00 | Mortuary Equipment | 01-21 |
| 11 78 13 | Mortuary Refrigerators | 01-21 |
| 11 79 13 | Hydrotherapy Equipment | 01-21 |
| 11 82 19 | Packaged Incinerators | 01-21 |
|  |  |  |
|  | **DIVISION 12 – FURNISHINGS** |  |
|  |  |  |
| 12 22 16 | Drapery Track and Accessories | 01-21 |
| 12 24 00 | Window Shades | 08-17 |
| 12 24 21 | Lightproof Shades | 01-21 |
| 12 31 00 | Manufactured Metal Casework | 01-21 |
| 12 32 00 | Manufactured Wood Casework | 01-21 |
| 12 34 00 | Manufactured Plastic Casework | 01-21 |
| 12 35 70.21 | Medication Cabinet | 01-21 |
| 12 36 00 | Countertops | 12-23 |
| 12 56 70.11 | Suspended Table | 01-21 |
|  |  |  |
|  | **DIVISION 13 - SPECIAL CONSTRUCTION** |  |
|  |  |  |
| 13 05 41 | Seismic Restraint Requirements for Non-Structural Components | 01-21 |
| 13 17 23 | Therapeutic Pools | 01-21 |
| 13 17 23.11 | Therapeutic Pool Accessories | 01-21 |
| 13 19 13 | Kennel Enclosures and Gates | 01-21 |
| 13 21 29 | Constant Temperature Rooms | 01-21 |
| 13 21 49 | Audiology Booth | 01-21 |
| 13 34 19 | Metal Building Systems | 01-21 |
| 13 49 00 | Radiation Protection | 01-21 |
|  |  |  |
|  | **DIVISION 14– CONVEYING EQUIPEMENT** |  |
|  |  |  |
| 14 12 11 | Traction and Winding Drum Dumbwaiter | 04-24 |
| 14 21 00 | Traction Elevator – New | 04-24 |
| 14 21 10 | Traction Elevator – Modernization | 04-24 |
| 14 21 11 | Traction Cartlift | 04-24 |
| 14 24 00 | Hydraulic Elevator – New | 04-24 |
| 14 24 10 | Hydraulic Elevator – Modernization | 04-24 |
| 14 24 11 | Hydraulic Cartlift | 04-24 |
| 14 91 33 | Gravity Soiled Linen Chutes | 09-23 |
| 14 91 82 | Gravity Trash Chutes | 09-23 |
| 14 92 00 | Pneumatic Tube System | 09-23 |
|  |  |  |
|  | **DIVISION 21- FIRE SUPPRESSION** |  |
|  |  |  |
| 21 08 00 | Commissioning of Fire Suppression System | 11-16 |
| 21 08 00.01 | DVA/USACE Projects Commissioning of Fire Suppression Systems | 08-19 |
| 21 12 00 | Manual Dry Standpipe Systems | 06-15 |
| 21 13 13 | Wet-Pipe Sprinkler Systems | 06-15 |
| 21 13 16 | Dry-Pipe Sprinkler Systems | 01-15 |
| 21-22-00 | Clean Agent Fire Suppression Systems | 05-15 |
| 21-30-13 | Electric-Driven, Fire Pumps | 05-15 |
| 21-30-16 | Diesel-Driven, Fire Pumps | 05-15 |
|  |  |  |
|  | **DIVISION 22 – PLUMBING** |  |
|  |  |  |
| 22 05 11 | Common Work Results for Plumbing | 01-23 |
| 22 05 12 | General Motor Requirements for Plumbing Equipment | 09-20 |
| 22 05 19 | Meters and Gages for Plumbing Piping | 09-20 |
| 22 05 23 | General-Duty Valves for Plumbing Piping | 09-20 |
| 22 05 33 | Heat Tracing for Plumbing Piping | 09-20 |
| 22 07 11 | Plumbing Insulation | 09-19 |
| 22 08 00 | Commissioning of Plumbing Systems | 11-16 |
| 22 08 00.01 | DVA/USACE Projects Commissioning of Plumbing Systems | 08-19 |
| 22 11 00 | Facility Water Distribution | 05-21 |
| 22 11 23 | Domestic Water Pumps | 09-15 |
| 22 12 16 | Facility Elevated, Potable-Water Storage Tanks | 09-15 |
| 22 13 00 | Facility Sanitary and Vent Piping | 09-20 |
| 22 13 23 | Sanitary Waste Interceptors | 09-20 |
| 22 13 29 | Sanitary Sewerage Pumps | 09-20 |
| 22 13 29.13 | Wet-Pit Mounted, Vertical Sewerage Pumps | 09-20 |
| 22 13 33 | Packaged, Submersible Sewerage Pump Units | 09-20 |
| 22 14 00 | Facility Storm Drainage | 09-15 |
| 22 14 29 | Sump Pumps | 09-15 |
| 22 14 33 | Packaged, Pedestal Drainage Pump Units | 09-15 |
| 22 14 36 | Packaged, Submersible, Drainage Pump Units | 09-15 |
| 22 15 00 | General Service Compressed-Air Systems | 09-20 |
| 22 31 11 | Water Softeners | 09-15 |
| 22 33 00 | Electric Domestic Water Heaters | 09-20 |
| 22 34 00 | Fuel-Fired Domestic Water Heaters | 09-20 |
| 22 35 00 | Domestic Water Heat Exchangers | 09-20 |
| 22 40 00 | Plumbing Fixtures | 12-22 |
| 22 42 26 | Commercial Disposers | 09-15 |
| 22 61 13.74 | Dental Compressed-Air Piping | 05-23 |
| 22 61 19.74 | Dental Compressed-Air Equipment | 09-20 |
| 22 62 00 | Vacuum Systems for Laboratory and Healthcare Facilities | 05-23 |
| 22 62 19.74 | Dental Vacuum and Evacuation Equipment | 09-15 |
| 22 63 00 | Gas Systems for Laboratory and Healthcare Facilities | 05-23 |
| 22 66 00 | Chemical-Waste Systems for Laboratory and Healthcare Facilities | 09-20 |
| 22 67 19.16 | Reverse-Osmosis Water Equipment | 09-15 |
| 22 67 21 | Water Dealkalizing System | 09-15 |
|  |  |  |
|  | **DIVISION 23 – HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)** |  |
|  |  |  |
| 23 05 10 | Common Work Results for Boiler Plant and Steam Generation | 09-23 |
| 23 05 11 | Common Work Results for HVAC | 03-23 |
| 23 05 12 | General Motor Requirements for HVAC and Steam Generation Equipment | 03-23 |
| 23 05 41 | Noise and Vibration Control for HVAC Piping and Equipment | 03-23 |
| 23 05 51 | Noise and Vibration Control for Boiler Plant | 03-22 |
| 23 05 93 | Testing, Adjusting, and Balancing for HVAC | 03-23 |
| 23 05 93.01 | DVA/USACE Projects Testing, Adjusting, and Balancing for HVAC | 11-21 |
| 23 07 11 | HVAC and Boiler Plant Insulation | 02-20 |
| 23 08 00 | Commissioning of HVAC Systems | 03-23 |
| 23 08 00.01 | DVA/USACE Projects Commissioning of HVAC Systems | 08-19 |
| 23 08 11 | Demonstrations and Tests for Boiler Plant | 04-20 |
| 23 09 11 | Instrumentation and Control for Boiler Plant | 04-24 |
| 23 09 23 | Direct-Digital Control System for HVAC | 03-23 |
| 23 10 00 | Facility Fuel Systems | 04-20 |
| 23 11 23 | Facility Natural-Gas Piping | 04-20 |
| 23 21 11 | Boiler Plant Piping Systems | 03-24 |
| 23 21 13 | Hydronic Piping | 03-23 |
| 23 21 23 | Hydronic Pumps | 03-23 |
| 23 22 13 | Steam and Condensate Heating Piping | 03-24 |
| 23 22 23 | Steam Condensate Pumps | 04-20 |
| 23 23 00 | Refrigerant Piping | 03-24 |
| 23 25 00 | HVAC Water Treatment | 03-23 |
| 23 31 00 | HVAC Ducts and Casings | 03-23 |
| 23 34 00 | HVAC Fans | 03-23 |
| 23 36 00 | Air Terminal Units | 03-23 |
| 23 37 00 | Air Outlets and Inlets | 03-23 |
| 23 38 13 | Commercial-Kitchen Hoods | 03-23 |
| 23 40 00 | HVAC Air Cleaning Devices | 03-23 |
| 23 50 11 | Boiler Plant Mechanical Equipment | 03-22 |
| 23 51 00 | Breechings, Chimneys, and Stacks | 04-20 |
| 23 52 25 | Low-Pressure Water Heating Boilers | 09-23 |
| 23 52 28 | Low-Pressure Steam Boilers | 09-23 |
| 23 52 33 | Water Tube Boilers | 11-23 |
| 23 52 39 | Fire Tube Boilers | 09-23 |
| 23 56 00 | Solar Energy Heating System | 03-23 |
| 23 57 33 | Geothermal Energy – Direct Use  | 03-23 |
| 23 64 00 | Packaged Water Chillers | 03-24 |
| 23 65 00 | Cooling Towers | 03-23 |
| 23 72 00 | Air-to-Air Energy Recovery Equipment | 03-24 |
| 23 73 00 | Indoor Central-Station Air-Handling Units | 03-23 |
| 23 74 13 | Packaged, Outdoor, Central-Station Air-Handling Units | 03-23 |
| 23 81 00 | Decentralized Unitary HVAC Equipment | 03-24 |
| 23 81 23 | Computer-Room Air-Conditioners | 03-24 |
| 23 81 43 | Air-Source Unitary Heat Pumps | 03-23 |
| 23 81 46 | Water-Source Unitary Heat Pumps | 03-23 |
| 23 81 49 | Ground-Source Heat Pump | 03-23 |
| 23 82 00 | Convection Heating and Cooling Units | 03-23 |
| 23 82 16 | Air Coils | 03-24 |
| 23 84 00 | Humidity Control Equipment | 03-24 |
|  |  |  |
|  | **DIVISION 25 – INTEGRATED AUTOMATION** |  |
|  |  |  |
| 25 10 10 | Advanced Utility Metering System | 02-10 |
|  |  |  |
|  | **DIVISION 26 – ELECTRICAL** |  |
|  |  |  |
| 26 05 11 | Requirements for Electrical Installations | 11-22 |
| 26 05 13 | Medium-Voltage Cables | 11-22 |
| 26 05 19 | Low-Voltage Electrical Power Conductors and Cables  | 11-22 |
| 26 05 26 | Grounding and Bonding for Electrical Systems | 11-22 |
| 26 05 33 | Raceway and Boxes for Electrical Systems | 11-22 |
| 26 05 36 | Wireways for Radiology Equipment | 11-22 |
| 26 05 39 | Underfloor Raceways for Electrical Systems | 11-22 |
| 26 05 41 | Underground Electrical Construction | 11-22 |
| 26 05 73 | Overcurrent Protective Device Coordination Study | 11-22 |
| 26 08 00 | Commissioning of Electrical Systems | 11-22 |
| 26 08 00.01 | DVA/USACE Projects Commissioning of Electrical Systems | 08-19 |
| 26 09 23 | Lighting Controls | 11-22 |
| 26 11 16 | Secondary Unit Substations | 11-22 |
| 26 12 19 | Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers | 11-22 |
| 26 13 13 | Medium-Voltage Circuit Breaker Switchgear | 11-22 |
| 26 13 16 | Medium-Voltage Fusible Interrupter Switches | 11-22 |
| 26 20 11 | Isolated Power Systems | 11-22 |
| 26 22 00 | Low-Voltage Transformers | 11-22 |
| 26 23 00 | Low-Voltage Switchgear | 11-22 |
| 26 23 13 | Generator Paralleling Controls | 11-22 |
| 26 24 13 | Distribution Switchboards | 11-22 |
| 26 24 16 | Panelboards | 11-22 |
| 26 24 19 | Motor Control Centers | 11-22 |
| 26 25 11 | Busways | 11-22 |
| 26 26 00 | Power Distribution Units for Static Uninterruptible Power Systems | 11-22 |
| 26 27 26 | Wiring Devices | 11-22 |
| 26 29 11 | Motor Controllers | 11-22 |
| 26 29 21 | Enclosed Switches and Circuit Breakers | 11-22 |
| 26 32 13 | Engine Generators | 11-22 |
| 26 33 53 | Static Uninterruptible Power Supply | 11-22 |
| 26 35 26 | Harmonic Filters | 11-22 |
| 26 36 23 | Automatic Transfer Switches | 11-22 |
| 26 41 00 | Facility Lightning Protection | 11-22 |
| 26 42 00 | Cathodic Protection | 11-22 |
| 26 43 13 | Surge Protective Devices | 11-22 |
| 26 51 00 | Interior Lighting | 03-24 |
| 26 55 71 | Medical and Surgical Lighting Fixtures | 11-22 |
| 26 56 00 | Exterior Lighting | 11-22 |
|  |  |  |
|  | **DIVISION 27 – COMMUNICATIONS** |  |
|  |  |  |
| 27 05 11 | Requirements for Communications Installations | 09-19 |
| 27 05 26 | Grounding and Bonding for Communications Systems | 06-15 |
| 27 05 33 | Raceways and Boxes for Communications Systems | 10-18 |
| 27 05 61 | Leased Space, Communication Equipment and Systems | 06-15 |
| 27 08 00 | Commissioning of Communications Systems | 11-16 |
| 27 08 00.01 | DVA/USACE Projects Commissioning of Communications Systems | 08-19 |
| 27 10 00 | Control, Communication and Signal Wiring | 06-15 |
| 27 11 00 | Telecommunications Room Fittings | 06-15 |
| 27 15 00 | Communications Structured Cabling | 01-16 |
| 27 31 00 | Voice Communications Switching and Routing Equipment | 06-15 |
| 27 31 31 | Voice Communications Switching and Routing Equipment - Extension | 06-15 |
| 27 32 41 | Two-Way Radio Equipment and Systems | 10-18 |
| 27 41 31 | Master Antenna Television Equipment and Systems | 06-15 |
| 27 51 16 | Public Address and Mass Notification Systems | 11-22 |
| 27 51 23 | Intercommunications and Program Systems | 06-15 |
| 27 52 23 | Nurse Call and Code Blue Systems | 10-18 |
| 27 52 41 | Miscellaneous Medical Systems | 06-15 |
| 27 53 19 | Distributed Radio Antenna (Within Building) Equipment and System | 10-18 |
|  |  |  |
|  | **DIVISION 28 – ELECTRONIC SAFETY AND SECURITY** |  |
|  |  |  |
| 28 05 00 | Common Work Results for Electronic Safety and Security | 04-18 |
| 28 05 13 | Conductors and Cables for Electronic Safety and Security | 10-18 |
| 28 05 26 | Grounding and Bonding for Electronic Safety and Security | 09-11 |
| 28 05 28.33 | Conduits and Backboxes for Electronic Safety and Security | 09-11 |
| 28 08 00 | Commissioning of Electronic Safety and Security Systems | 11-16 |
| 28 08 00.01 | DVA/USACE Projects Commissioning of Electronic Safety and Security Systems | 08-19 |
| 28 13 00 | Physical Access Control System | 10-11 |
| 28 13 16 | Physical Access Control System and Database Management | 09-11 |
| 28 13 53 | Security Access Detection | 09-11 |
| 28 16 00 | Intrusion Detection System | 10-11 |
| 28 23 00 | Video Surveillance | 09-11 |
| 28 26 00 | Electronic Personal Protection System | 09-11 |
| 28 31 00 | Fire Detection and Alarm | 10-11 |
| 28 52 31 | Emergency Call System | 06-15 |
|  |  |  |
|  | **DIVISION 31 – EARTHWORK** |  |
|  |  |  |
| 31 20 00 | Earthwork | 08-23 |
| 31 20 11 | Earthwork (Short Form) | 10-12 |
| 31 23 19 | Dewatering | 10-12 |
| 31 23 23.33 | Flowable Fill | 10-12 |
| 31 32 23 | Pressure Grouting Soil Stabilization | 10-12 |
| 31 62 00 | Driven Piles | 10-12 |
| 31 63 16 | Auger Cast Grout Piles | 10-12 |
| 31 63 26 | Drilled Caissons | 10-12 |
|  |  |  |
|  | **DIVISION 32 – EXTERIOR IMPROVEMENTS** |  |
|  |  |  |
| 32 05 23 | Cement and Concrete for Exterior Improvements | 08-16 |
| 32 12 16 | Asphalt Paving | 09-15 |
| 32 14 16 | Brick Unit Paving | 08-16 |
| 32 17 23 | Pavement Markings | 08-16 |
| 32 31 13 | Chain Link Fences and Gates | 06-18 |
| 32 31 40 | High Security Fences and Gates | 08-16 |
| 32 84 00 | Planting Irrigation | 08-16 |
| 32 90 00 | Planting | 08-16 |
|  |  |  |
|  | **DIVISION 33 – UTILITIES** |  |
|  |  |  |
| 33 08 00 | Commissioning of Site Utility Systems | 11-16 |
| 33 08 00.01 | DVA/USACE Projects Commissioning of Site Utility Systems | 08-19 |
| 33 10 00 | Water Utilities | 03-17 |
| 33 30 00 | Sanitary Sewer Utilities | 06-13 |
| 33 40 00 | Storm Sewer Utilities | 12-17 |
| 33 46 13 | Foundation Drainage | 10-11 |
| 33 51 00 | Natural-Gas Distribution | 10-11 |
| 33 63 00 | Steam Energy Distribution | 02-24 |
|  |  |  |
|  | **DIVISION 34 – TRANSPORTATION** |  |
|  |  |  |
| 34 71 13 | Passive Vehicle Barriers | 04-18 |
| 34 75 13.13 | Active Vehicle Barriers | 08-16 |
|  |  |  |
|  | **DIVISION 48 – Electrical Power Generation** |  |
|  |  |  |
| 48 14 00 | Solar Energy Electrical Power Generation System | 07-23 |
| 48 15 00 | Wind Energy Electrical Power Generation System | 07-23 |