

## **TABLE OF CONTENTS**

### **INTRODUCTORY INFORMATION**

00 00 10 – Title Page  
00 00 20 – Table of Contents

### **DIVISION 0 - BIDDING REQUIREMENTS, CONTRACTOR FORMS AND CONDITIONS OF THE CONTRACT**

Section	00 02 00	Notice to Bidders
	00 10 00	Instructions to Bidders
	00 12 10	Substitution Request Form
	00 20 00	Information Available to Bidders
		Geotechnical Data
	00 30 50	Bidder Reminder List
	00 31 00	Bid Form
	00 37 00	Standard Forms
	00 41 00	Bid Bond
	00 43 50	Subcontractors and Products List
	00 50 00	Standard Form of Agreement
	00 61 00	Performance Bond and Payment Bond
	00 70 00	Amended General Conditions
	00 82 00	Schedule of Insurance Requirements

### **DIVISION 1 - GENERAL REQUIREMENTS**

Section	01 00 01	Electronic Model/Drawing File Exchange Agreement
	01 12 00	Multiple Contract Summary
	01 21 00	Allowances
	01 23 00	Alternates
	01 25 00	Contract Modification Procedures
	01 28 00	Schedule of Values
	01 29 00	Application for Payment
	01 31 00	Project Meetings
	01 32 00	Schedules and Reports
	01 33 00	Submittal Procedures
	01 40 00	Quality Requirements
	01 45 10	Testing Laboratory Services
	01 45 33	Code Required Special Inspections
	01 50 50	Temporary Facilities and Controls
	01 51 10	Temporary Electricity, Lighting and Warning Systems
	01 51 30	Temporary Heating, Ventilation and Cooling
	01 51 50	Temporary Water
	01 51 60	Temporary Sanitary Facilities

01 51 80	Temporary Fire Protection
01 52 10	Construction Aids and Temporary Enclosures
01 52 60	Rubbish Container
01 53 10	Fences (Temporary Security)
01 54 60	Environment Protection
01 54 80	Utility Protection
01 55 00	Access Roads and Parking Areas
01 56 20	Dust Control
01 56 30	Water Control
01 56 80	Erosion Control
01 56 90	Housekeeping and Safety
01 57 60	Project Signs
01 59 10	Project Office
01 59 20	Offices and Sheds
01 60 00	Product Requirements
01 71 50	Final Cleaning
01 72 00	Field Engineering
01 72 50	Work Layout
01 73 10	Cutting and Patching
01 77 00	Contract Closeout
01 91 13	General Commissioning Requirements

## **DIVISION 2 – EXISTING CONDITIONS**

Section	02 22 00	Existing Conditions Assessment
	02 32 00	Subsurface Conditions

## **DIVISION 3 – CONCRETE**

Section	03 30 00	Cast-In-Place Concrete
---------	----------	------------------------

## **DIVISION 4 – MASONRY**

Section	04 20 00	Unit Masonry
---------	----------	--------------

## **DIVISION 5 – METALS**

Section	05 12 00	Structural Steel Framing
	05 31 00	Steel Decking
	05 40 00	Structural Cold-Formed Metal Framing
	05 44 00	Cold – Formed Metal Trusses
	05 50 00	Metal Fabrications

## **DIVISION 6 – WOOD, PLASTICS, AND COMPOSITES**

Section	06 10 00	Rough Carpentry
	06 16 00	Sheathing

06 61 16 Solid Surface Materials

**DIVISION 07 – THERMAL AND MOISTURE PROTECTION**

Section	07 21 00	Thermal Insulation
	07 25 00	Air and Water Resistant Barrier
	07 31 13	Asphalt Shingles
	07 46 33	Vinyl Siding
	07 71 23	Manufactured Gutters and Downspouts
	07 84 13	Firestopping
	07 92 00	Joint Sealants

**DIVISION 08 – OPENINGS**

Section	08 11 13	Hollow Metal Doors and Frames
	08 14 16	Flush Wood Doors
	08 16 13	FRP Doors and Aluminum Frames
	08 33 00	Rolling Fire Doors
	08 36 13	Sectional Overhead Doors
	08 51 13	Aluminum Windows
	08 71 00	Door Hardware
	08 80 00	Glazing

**DIVISION 09 – FINISHES**

Section	09 22 16	Non-Structural Metal Framing
	09 29 00	Gypsum Board
	09 30 13	Ceramic Tiling
	09 51 00	Acoustic Ceilings
	09 65 13	Resilient Base and Accessories
	09 65 19	Resilient Tile Flooring
	09 90 00	Painting and Coatings

**DIVISION 10 SPECIALTIES**

Section	10 14 26	Post/Post and Panel Signage
	10 21 13.17	Phenolic-Core Toilet Compartments
	10 26 01	Wall and Corner Guards
	10 28 00	Toilet Room Accessories
	10 28 14	Electric Hand Dryers
	10 44 13	Fire Protection Cabinets
	10 44 16	Fire Extinguishers
	10 51 13	Metal Lockers
	10 75 16	Flagpoles

## **DIVISON 12 FURNISHINGS**

Section	12 24 13	Roller Window Shades
	12 32 16	Manufactured Plastic-Laminate-Faced Casework
	12 36 23	Countertops

## **DIVISION 22 – PLUMBING**

Section	22 05 00	Plumbing Summary of Work
	22 05 13	Common Motor Requirements for Plumbing Equipment
	22 05 17	Sleeves and Sleeve Seals for Plumbing Piping
	22 05 18	Escutcheons for Plumbing Piping
	22 05 19	Meter and Gages for Plumbing Piping
	22 05 23	General Duty Valves for Plumbing Piping
	22 05 29	Hangers and Supports for Plumbing Piping and Equipment
	22 05 53	Identification for Plumbing Piping and Equipment
	22 07 19	Plumbing Piping Insulation
	22 11 16	Domestic Water Piping
	22 11 19	Domestic Water Piping Specialties
	22 11 23	Domestic Water Pumps
	22 13 16	Sanitary Waste and Vent Piping
	22 13 17	Condensate Drain Piping
	22 13 19	Sanitary Waste Piping Specialties
	22 13 23	Sanitary Waste Interceptors
	22 15 00	General-Service Compressed-Air Systems
	22 15 13	General-Service Compressed-Air Piping
	22 31 00	Domestic Water Softeners
	22 34 00	Fuel-Fired, Domestic-Water Heaters
	22 40 00	Plumbing Fixtures

## **DIVISON 23 – HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)**

Section	23 05 00	HVAC Summary of Work
	23 05 13	Common Motor Requirements for HVAC Equipment
	23 05 29	Hangers and Supports for HVAC
	23 05 48.13	Vibration Controls for HVAC
	23 05 53	Identification for HVAC Piping and Equipment
	23 05 93	Testing, Adjusting, and Balancing for HVAC
	23 07 13	Duct Insulation
	23 07 19	HVAC Piping Insulation
	23 08 00	Commissioning of HVAC
	23 09 23	Direct Digital Control (DDC) System for HVAC
	23 09 23.12	Control Dampers
	23 09 23.22	Position Instruments
	23 09 23.23	Pressure Instruments
	23 09 23.27	Temperature Instruments
	23 09 93	Sequence of Operations for HVAC Controls

23 11 23	Natural-Gas Piping
23 23 00	Refrigerant Piping
23 31 00	HVAC Ducts and Casings
23 33 00	Air Duct Accessories
23 34 23	HVAC Power Ventilators
23 37 00	Air Outlets and Inlets
23 41 00	Particulate Air Filtration
23 43 00	Electronic Air Cleaners
23 51 23	Gas Vents
23 54 16.13	Gas Fired Furnaces
23 55 23	Gas Fired Radiant Heaters
23 62 00	Air Cooled Condensing Units
23 74 33	Packaged Outdoor Heating and Cooling Make-Up Air Units
23 81 01	Terminal Heat Transfer Units

## **DIVISION 26 – ELECTRICAL**

Section	26 05 00	Common Work Results for Electrical
	26 05 19	Low-Voltage Electrical Power Conductors and Cables
	26 05 23	Control-Voltage Electrical Power Cables
	26 05 26	Grounding and Bonding for Electrical Systems
	26 05 29	Hanger and Supports for Electrical Systems
	26 05 33.13	Conduit for Electrical Systems
	26 05 33.16	Boxes for Electrical Systems
	26 05 43	Underground Ducts and Raceways for Electrical Systems
	26 05 44	Sleeves and Sleeve Seals for Electrical Raceways and Cabling
	26 05 53	Identification for Electrical Systems
	26 05 83	Wiring Connections
	26 08 00	Commissioning of Electrical Systems
	26 09 43	Network Lighting Controls
	26 22 13	Low-Voltage Distribution Transformers
	26 24 16	Panelboards
	26 27 26	Wiring Devices
	26 27 43	Electric-Vehicle Service Equipment – AC Level 1 and Level 2
	26 28 13	Fuses
	26 28 16	Enclosed Switches and Circuit Breakers
	26 29 13	Enclosed Motor Controllers
	26 29 23	Variable Frequency Motor Controllers
	26 32 13.16	Gas-Engine-Driven Generator Sets
	26 32 90	Generator Connection Cabinet
	26 36 13	Manual Transfer Switches
	26 36 23	Automatic Transfer Switches
	26 51 19	LED Interior Lighting
	26 56 19	LED Exterior Lighting

## **DIVISION 27 – COMMUNICATIONS**

Section	27 05 00	Common Work Results for Communications
	27 05 26	Grounding and Bonding for Communications Systems
	27 10 00	Structured Communications Cabling System

## **DIVISION 28 – ELECTRONIC SAFETY AND SECURITY**

Section	28 10 00	Access Control Systems
	28 15 23	Intercom Entry Systems
	28 46 00	Fire Detection and Alarm

## **DIVISION 31 – EARTHWORK**

Section	31 10 00	Site Clearing
	31 20 00	Grading, Excavation and Fill
	31 25 00	Soil Erosion and Sedimentation Controls
	31 31 16	Termite Control
	31 37 00	Rip Rap

## **DIVISION 32 – EXTERIOR IMPROVEMENTS**

Section	32 11 23	Aggregate Base Courses
	31 12 16	Asphalt Paving
	32 13 13	Concrete Paving
	32 17 23	Painted Pavement Markings
	32 31 14	Galvanized Chainlink Fencing
	32 92 19	Seeding

## **DIVISION 33 – UTILITIES**

Section	33 05 13	Manholes and Structures
	33 11 16	Site Water Utility Distribution Piping
	33 13 00	Disinfecting of Water Utility Distribution
	33 21 00	Water Supply Wells
	33 31 11	Site Sanitary Utility Sewerage Piping
	33 41 11	Site Storm Utility Drainage Piping
	33 42 13	Pipe Culverts
	33 46 00	Subdrainage

END OF SECTION 00 00 20