## **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 20 00	Information Available to Bidders
		Geotechnical Data
	00 26 00.00	Procurement Substitution Procedures
	00 26 00.01	Substitution Request Form
	00 30 50	Bidder Reminder List
	00 31 00a	Bid Form
	00 31 00b	Available Project Information
	00 37 00	Standard Forms
	00 41 00	Bid Bond
	00 43 50	Subcontractors and Products List
	00 50 00	Standard Form of Agreement
		AIA 132 Exhibit A Insurance & Bonds
		Schedule of Insurance Requirements
	00 61 00	Performance Bond and Payment Bond
	00 70 00	Amended General Conditions
	00 82 50	Owner Held Retainage Agreement
	00 83 00	Schedule of Project Construction Wages

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

Section	01 33 00.03b 01 33 00c 01 40 00 01 45 10 01 50 50 01 51 10	Multiple Contract Summary Allowances Contract Modification Procedures Schedule of Values Application for Payment Project Meetings Schedules and Reports Submittal Procedures Digital Data Transmittal Submittal Transmittal Quality Requirements Testing Laboratory Services Temporary Facilities and Controls Temporary Electricity, Lighting and Warning Systems
	01 51 10 01 51 30 01 51 50	Temporary Electricity, Lighting and Warning Systems Temporary Heating, Ventilation and Cooling Temporary Water

01 51 60	Temporary S	anitary 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 53 20 Tree and Plant Protection
- 01 53 30 Barricades
- 01 54 60 Environment Protection
- 01 54 80 Utility Protection
- 01 55 00a Access Roads and Parking and Groundskeeping
- 01 55 00b Monthly Street Sweeping Parameters
- 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 00.00 Product Requirements
- 01 71 50 Final Cleaning
- 01 72 00 Field Engineering
- 01 72 50 Work Layout
- 01 73 29 Cutting and Patching
- 01 77 00 Contract Closeout

#### **DIVISION 02: EXISTING CONDITIONS**

Section 02 41 19 Selective Demolition

#### **DIVISION 03: CONCRETE**

Section	03 06 30.01	Concrete Schedule
	03 30 00	Cast-in-Place Concrete

#### **DIVISION 04: MASONRY**

Section	04 20 00	Unit Masonry
	04 72 00	Cast Stone Masonry

#### **DIVISION 05: METALS**

Section	05 12 00	Structural Steel Framing
	05 21 00	Steel Joist Framing
	05 31 00	Steel Decking
	05 40 00	Cold-Formed Metal Framing
	05 50 00	Metal Fabrications
	05 51 00	Metal Stairs
	05 52 13	Pipe and Tube Railings
	05 73 00	Decorative Metal Railings

# **DIVISION 06: CARPENTRY**

Section	06 10 00	Rough Carpentry
	06 16 00	Sheathing
	06 61 16	Solid Surface Fabrications
	06 64 00	Plastic Paneling

## **DIVISION 07: THERMAL AND MOISTURE PROTECTION**

Section	07 01 50.19	Preparation for Re-Roofing
	07 01 50.91	Roofing Restoration
	07 21 00	Thermal Insulation
	07 27 26.02	Vapor-Permeable, Fluid-Applied Membrane Air Barrier
	07 41 13.13	Formed Metal Roof Panels
	07 42 13.23	Metal Composite Materials Wall Panels
	07 54 00	Thermoplastic Membrane Roofing (PVC and KEE)
	07 62 00	Sheet Metal Flashing and Trim
	07 71 00	Roof Specialties
	07 84 13	Penetration Firestopping
	07 84 43	Joint Firestopping
	07 91 00	Preformed Joint Seals
	07 92 00	Joint Sealants
	07 92 19	Acoustical Joint Sealants

#### **DIVISION 08: OPENINGS**

Section	08 11 13 08 14 16	Hollow Metal Doors and Frames Flush Wood Doors
	08 14 10 08 16 13	Fiberglass Doors
	08 31 13	Access Doors and Frames
	08 36 13	Sectional Doors
	08 41 13	Aluminum-Framed Entrances and Storefronts
	08 71 00	Door Hardware
	08 80 00	Glazing
	08 81 13	Decorative Glass Glazing
	08 91 19	Fixed Louvers

# **DIVISION 09: FINISHES**

Section	09 01 91	Moisture Resistant/Water-Proof Flooring Adhesive for Concrete Slabs
	09 05 16	Existing Substrate Preparation for Floor Finishes
	09 21 16	Gypsum Board Assemblies
	09 51 13	Acoustical Panel Ceilings
	09 65 13	Resilient Base and Accessories
	09 65 16	Resilient Sheet Flooring
	09 65 19	Resilient Tile Flooring
	09 66 23	Resinous Matrix Terrazzo Flooring

09 68 13Tile Carpeting09 72 16Vinyl-Coated Fabric Wall Coverings09 77 13Stretched-Fabric Wall Systems09 84 33Sound-Absorbing Wall Units09 84 36Sound-Absorbing Ceiling Units09 91 23.61Interior Painting/Repainting09 96 00High-Performance Coatings	09 67 10.10	Fluid-Applied Epoxy Flooring
09 77 13Stretched-Fabric Wall Systems09 84 33Sound-Absorbing Wall Units09 84 36Sound-Absorbing Ceiling Units09 91 23.61Interior Painting/Repainting	09 68 13	Tile Carpeting
09 84 33Sound-Absorbing Wall Units09 84 36Sound-Absorbing Ceiling Units09 91 23.61Interior Painting/Repainting	09 72 16	Vinyl-Coated Fabric Wall Coverings
09 84 36Sound-Absorbing Ceiling Units09 91 23.61Interior Painting/Repainting	09 77 13	Stretched-Fabric Wall Systems
09 91 23.61 Interior Painting/Repainting	09 84 33	Sound-Absorbing Wall Units
	09 84 36	Sound-Absorbing Ceiling Units
09 96 00 High-Performance Coatings	09 91 23.61	Interior Painting/Repainting
	09 96 00	High-Performance Coatings

# **DIVISION 10: SPECIALTIES**

Section	10 11 00	Visual Display Units
	10 22 13	Wire Mesh Partitions
	10 28 00	Toilet, Bath, and Laundry Accessories
	10 44 13	Fire Extinguisher Cabinets
	10 44 16	Fire Extinguishers
	10 51 00.91	Locker Refurbishing
	10 51 13	Metal Lockers
	10 73 26	Walkway Coverings

# **DIVISION 11: EQUIPMENT**

Section	11 40 00	Food Service Equipment
	11 57 00	Vocational Shop Equipment
	11 57 00.01	Vocational Shop Equipment Schedule

# **DIVISION 12: FURNISHINGS**

Section	12 24 13	Roller Window Shades
	12 32 16	Manufactured Plastic Laminate-Faced (Educational) Casework
	12 48 26.01	Entrance Carpet Tile
	12 93 00	Site Furnishings and Amenities

## **DIVISION 14: CONVEYING SYSTEMS**

Section 14 45 00 Vehicle Lifts

# **DIVISION 21: FIRE SUPPRESSION**

Section	21 05 00	Common Work Results for Fire Suppression
	21 10 00	Water-Based Fire Suppression Systems

### **DIVISION 22: PLUMBING**

Section	22 00 02	Work in Existing Buildings
---------	----------	----------------------------

- 22 05 00 Common Work Results for Plumbing
  - 22 05 01 Basic Plumbing Materials and Methods
  - 22 05 19 Meters 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 00 Plumbing Insulation
  - 22 11 16 Domestic Water Piping
  - 22 11 19 Domestic Water Piping Specialties
  - 22 13 16 Sanitary, Waste, and Vent Piping System
  - 22 13 23 Sanitary Waste Interceptor
  - 22 14 13 Facility Storm Drainage Piping
  - 22 15 19 General-Service Packaged Air Compressors and Receivers System
  - 22 40 00 Plumbing Fixtures
  - 22 45 00 Emergency Plumbing Fixtures
  - 22 66 13 Facility Natural Gas Piping

### **DIVISION 23: HEATING, VENTILATING, AND AIR CONDITIONING**

Section 23 05 00 Common Work Results for HVAC Common Motor Requirements for HVAC Equipment 23 05 13 Meters and Gages for HVAC Piping 23 05 19 23 05 23 General-Duty Valves for HVAC Piping Hangers and Supports for HVAC Piping and Equipment 23 05 29 23 05 48 Vibration and Seismic Controls for HVAC Piping and Equipment 23 05 53 Identification for HVAC Piping and Equipment 23 05 93 Testing, Adjusting, and Balancing for HVAC **HVAC** Insulation 23 07 00 23 09 00 HVAC Direct Digital Controls HVAC Sequence of Operation 23 09 93 23 21 13 Hydronic Piping Hydronic Pumps 23 21 23 23 25 00 HVAC Water Treatment 23 31 13 Metal Ducts 23 31 16 Nonmetal Ducts 23 33 00 Air Duct Accessories 23 34 23 **HVAC** Power Ventilators 23 36 00 Air Terminal Units 23 37 13 Diffusers, Registers, and Grilles HVAC Gravity Ventilators 23 37 23 23 41 00 Particulate Air Filtration 23 73 13 Modular Indoor Central Station Air Handling Units 23 80 54 Dust Collection System Vehicle Exhaust Systems 23 80 56 Fume Collection Systems 23 80 61 23 82 39 Unit Heaters

## **DIVISION 26: ELECTRICAL**

### Section 26 00 05 Electrical Demolition

Section

26 00 50	General Electrical Requirements
26 05 05	Electrical Testing
26 05 13	Medium Voltage Cables
26 05 19	Low-Voltage Electrical Power Conductors and Cables
26 05 26	Grounding and Bonding for Electrical Systems
26 05 29	Hangers and Supports for Electrical Systems
26 05 33	Conduit and Boxes for Electrical Systems
26 05 35	Surface Raceways for Electrical Systems
26 05 43	Underground Ducts and Raceways for Electrical Systems
26 05 53	Identification for Electrical Systems
26 05 73	Power System Studies
26 09 23	Lighting Control Devices
26 22 00	Low Voltage Transformers
26 24 16	Panelboards
26 25 00	Enclosed Bus Assemblies
26 27 26	Wiring Devices
26 28 13	Fuses
26 28 16	Enclosed Switches and Circuit Breakers
26 29 13	Enclosed Controllers
26 43 13	Surge Protective Devices for Low-Voltage Electrical Power Circuits
26 51 00	Interior Lighting

## **DIVISION 27: COMMUNICATIONS**

27 01 00	Operation and Maintenance of Communications Systems
27 01 11	Demonstration, Training and Warranty of Communications Systems
27 05 00	Common Work Results for Communications
27 05 26	Grounding and Bonding for Communications Systems
27 05 28	Pathways for Communications Systems
27 05 53	Identification for Communications Systems
27 11 00	Communications Equipment Room Fittings
27 11 00	TM Manufacturers Material List
27 13 23	Communications Fiber Optical Backbone Cabling
27 15 11	Conductors and Cables for Intercom, Public Address and Mass
	Notification Systems
27 15 15	Communications Copper Horizontal Cabling (Category 6)
27 15 15TM	Manufacturers Material List
27 15 17	Communications Copper Horizontal Cabling (Augmented Cat 6A)
27 15 53	Misc. Communications Audio/Video Cabling
27 41 73	Presentation Communications
27 51 17	Classroom Sound systems
27 51 23	Intercommunications and Program Systems

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

Section	28 05 10 28 05 23	Common Work Results for Electronic Safety and Security Conductors and Cables for Electronic Safety and Security
	28 13 10	Access Control
	28 23 11 28 31 11	IP Video Surveillance Digital, Addressable Fire-Alarm System

# **DIVISION 31: EARTHWORK**

Section	31 10 00	Site Clearing
	31 20 00	Earth Moving
	31 23 19	Dewatering
	31 23 23	Flowable Fill
	31 25 00	Erosion Control
	31 32 00	Geotextile
	31 50 00	Excavation Support and Protection

### **DIVISION 32: EXTERIOR IMPROVEMENTS**

Section	32 12 16	Asphalt Paving
	32 13 13	Concrete Paving
	32 13 73	Concrete Paving Joint Sealants
	32 17 13	Parking Bumpers
	32 17 23	Pavement Markings
	32 91 13	Soil Preparation
	32 92 00	Turf and Grasses
	32 93 00	Plants

# **DIVISION 33: UTILITIES**

Section	33 05 00	Common Work Results for Utilities
	33 11 13	Facility Water Distribution Piping
	33 13 13	Facility Sanitary Sewers
	33 41 00	Storm Utility Drainage Piping
	33 46 00	Subdrainage

# **DIVISION 41: MATERIAL PROCESSING AND HANDLING EQUIPMENT**

Section	41 22 23	Electric Trolley Hoists
	41 34 23.33	Spray Painting Booths

### END OF SECTION 00 00 20