VOLUME 1

PROCUREMENT AND CONTRACTING DOCUMENTS GROUP

| 00 11 00 Notice to Bidders 00 21 00 Instructions to Bidders 00 21 00a A701-1997 Instructions to Bidders 00 42 00 Contractors Bid for Public Work Form 96 (2013) 00 43 33 Subcontractors, Manufacturers and Products List (BY CSO) 00 43 93 Bidder's Checklist 00 52 00 Agreement AIA A132-2009 00 52 00a AIA Document A132-2009 Standard Form of Agreement Between Owner and Contractor, Construction Manager as Adviser Edition 00 61 00 Bid Bond 00 70 00 General Conditions A232-2009 00 70 00a AIA A232-2009 General Conditions of the Contract for Construction 00 73 19 Safety Forms 00 31 32 Geotechnical Report 00 31 32a HSE Admin Building Soils Report |
|---|
| 00 21 00a A701-1997 Instructions to Bidders 00 42 00 Contractors Bid for Public Work Form 96 (2013) 00 43 33 Subcontractors, Manufacturers and Products List (BY CSO) 00 43 93 Bidder's Checklist 00 52 00 Agreement AIA A132-2009 00 52 00a AlA Document A132-2009 Standard Form of Agreement Between Owner and Contractor, Construction Manager as Adviser Edition 00 61 00 Bid Bond 00 70 00 General Conditions A232-2009 00 70 00a AIA A232-2009 General Conditions of the Contract for Construction 00 73 19 Safety Forms 00 31 32 Geotechnical Report 00 31 32a HSE Admin Building Soils Report |
| 00 42 00 Contractors Bid for Public Work Form 96 (2013) 00 43 33 Subcontractors, Manufacturers and Products List (BY CSO) 00 43 93 Bidder's Checklist 00 52 00 Agreement AIA A132-2009 00 52 00a AIA Document A132-2009 Standard Form of Agreement Between Owner and Contractor, Construction Manager as Adviser Edition 00 61 00 Bid Bond 00 70 00 General Conditions A232-2009 00 70 00a AIA A232-2009 General Conditions of the Contract for Construction 00 73 19 Safety Forms 00 31 32 Geotechnical Report 00 31 32 HSE Admin Building Soils Report |
| 00 43 33 Subcontractors, Manufacturers and Products List (BY CSO) 00 43 93 Bidder's Checklist 00 52 00 Agreement AIA A132-2009 00 52 00a AIA Document A132-2009 Standard Form of Agreement Between Owner and Contractor, Construction Manager as Adviser Edition 00 61 00 Bid Bond 00 70 00 General Conditions A232-2009 00 70 00a AIA A232-2009 General Conditions of the Contract for Construction 00 73 19 Safety Forms 00 31 32 Geotechnical Report 00 31 32a HSE Admin Building Soils Report |
| 00 43 93 Bidder's Checklist 00 52 00 Agreement AIA A132-2009 00 52 00a AIA Document A132-2009 Standard Form of Agreement Between Owner and Contractor, Construction Manager as Adviser Edition 00 61 00 Bid Bond 00 70 00 General Conditions A232-2009 00 70 00a AIA A232-2009 General Conditions of the Contract for Construction 00 73 19 Safety Forms 00 31 32 Geotechnical Report 00 31 32a HSE Admin Building Soils Report |
| 00 52 00 Agreement AIA A132-2009 00 52 00a AIA Document A132-2009 Standard Form of Agreement Between Owner and Contractor, Construction Manager as Adviser Edition 00 61 00 Bid Bond 00 70 00 General Conditions A232-2009 00 70 00a AIA A232-2009 General Conditions of the Contract for Construction 00 73 19 Safety Forms 00 31 32 Geotechnical Report 00 31 32a HSE Admin Building Soils Report |
| O0 52 00a AlA Document A132-2009 Standard Form of Agreement Between Owner and Contractor, Construction Manager as Adviser Edition O0 61 00 Bid Bond O0 70 00 General Conditions A232-2009 O0 70 00a AlA A232-2009 General Conditions of the Contract for Construction O0 73 19 Safety Forms O0 31 32 Geotechnical Report O0 31 32 HSE Admin Building Soils Report |
| Contractor, Construction Manager as Adviser Edition 00 61 00 Bid Bond 00 70 00 General Conditions A232-2009 00 70 00a AIA A232-2009 General Conditions of the Contract for Construction 00 73 19 Safety Forms 00 31 32 Geotechnical Report 00 31 32a HSE Admin Building Soils Report |
| 00 61 00Bid Bond00 70 00General Conditions A232-200900 70 00aAlA A232-2009 General Conditions of the Contract for Construction00 73 19Safety Forms00 31 32Geotechnical Report00 31 32aHSE Admin Building Soils Report |
| 00 70 00 General Conditions A232-2009 00 70 00a AIA A232-2009 General Conditions of the Contract for Construction 00 73 19 Safety Forms 00 31 32 Geotechnical Report 00 31 32a HSE Admin Building Soils Report |
| 00 70 00a AIA A232-2009 General Conditions of the Contract for Construction 00 73 19 Safety Forms Geotechnical Report HSE Admin Building Soils Report |
| 00 73 19 Safety Forms 00 31 32 Geotechnical Report 00 31 32a HSE Admin Building Soils Report |
| 00 31 32 Geotechnical Report 00 31 32a HSE Admin Building Soils Report |
| 00 31 32a HSE Admin Building Soils Report |
| |
| 00.04.04 |
| 00 81 21 Field Engineering |
| 00 81 32 Testing Laboratory Services |
| 00 89 13 Construction Schedule |
| 00 89 13a Preliminary Outline Construction Schedule |

SPECIFICATIONS GROUP

General Requirements Subgroup

DIVISION 01 - GENERAL REQUIREMENTS

| 01 10 00 | Summary |
|-----------|---|
| 01 12 00 | Multiple Contract Summary |
| 01 14 00 | Work Restrictions |
| 01 18 00 | Utility Protection |
| 01 21 00 | Allowances |
| 01 23 00 | Alternates |
| 01 29 00 | Payment Procedures |
| 01 31 19 | Project Meetings |
| 01 32 00 | Lean Construction Requirements |
| 01 32 50 | MEP Coordination |
| 01 33 00 | Submittal Procedures |
| 01 33 00a | Waiver of Claims for Use of Electronic Data |
| 01 35 29 | Life Safety Checklists |
| 01 50 00 | Temporary Facilities |
| 01 62 00 | Product Substitutions |
| 01 73 29 | Cutting and Patching |
| 01 74 19 | Final Cleaning |
| 01 77 00 | Project Closeout |
| 01 78 23 | Operations and Maintenance Manuals |
| 01 78 36 | Warranties and Bonds |
| 01 78 39 | Project Record Documents |
| | |

05/30/2017

FACILITY CONSTRUCTION SUBGROUP

| DIVISION 02 - EXISTING CONDITIONS | | |
|-----------------------------------|-------------------------------------|--|
| 02 41 19 | Selective Structure Demolition | |
| | | |
| DIVISION 03 - C | | |
| 03 30 00 | Cast-In-Place Concrete | |
| 03 35 00 | Concrete Surface Treatment | |
| 03 41 10 | Precast Hollow Core Slabs | |
| 03 54 16 | Hydraulic Cement Underlayment | |
| DIVISION 04 - M | ASONRY | |
| 04 20 00 | Unit Masonry | |
| | • | |
| DIVISION 05 - M | | |
| 05 12 00 | Structural Steel Framing | |
| 05 21 00 | Steel Joists | |
| 05 31 00 | Steel Deck | |
| 05 40 00 | Cold-Formed Metal Framing | |
| 05 50 00 | Metal Fabrications | |
| 05 51 00 | Metal Stairs | |
| 05 52 13 | Steel Pipe and Tube Railings | |
| 05 52 15 | Aluminum Pipe and Tube Railings | |
| DIVISION 06 - V | VOOD, PLASTICS & COMPOSITES | |
| 06 10 00 | Rough Carpentry | |
| 06 10 53 | Wood Blocking | |
| 06 16 00 | Sheathing | |
| 06 17 53 | Shop-Fabricated Structural Wood | |
| 06 40 00 | Interior Architectural Woodwork | |
| | | |
| | HERMAL AND MOISTURE PROTECTION | |
| 07 13 26 | Self-Adhering Sheet Waterproofing | |
| 07 21 00 | Thermal Insulation | |
| 07 27 26 | Fluid-Applied Membrane Air Barriers | |
| 07 31 13 | Asphalt Shingles | |
| 07 62 00 | Sheet Metal Flashing and Trim | |
| 07 71 00 | Roof Specialties | |
| 07 84 13 | Penetration Firestopping | |
| 07 84 46 | Fire-Resistive Joint Systems | |
| 07 92 00 | Joint Sealants | |
| 07 95 00 | Expansion Control | |
| DIVISION 08 - O | PENINGS | |
| | Hollow Metal Doors and Frames | |
| | Flush Wood Doors | |
| | Access Doors and Frames | |

05/30/2017

Overhead Coiling Doors (16013 Cumberland only)

08 33 23

TABLE OF CONTENTS

HSE Admin Building Addition & Renovation
HSE Cumberland Road Elementary School Renovation

Fishers, IN

| 08 41 13 08 42 43 08 52 00 08 71 00.1 08 71 00.2 08 80 00 08 91 19 | Aluminum-Framed Entrances and Storefronts Telescoping Aluminum Framed Doors (16013 Cumberland only) Wood Windows Door Hardware – Administration Building Door Hardware – Cumberland Road Elementary Glazing Fixed Louvers |
|--|--|
| DIVISION 09 - I | FINICHEC |
| 09 22 16 | Non-Structural Metal Framing |
| 09 26 13 | Gypsum Veneer Plastering |
| 09 29 00 | Gypsum Board |
| 09 30 00 | Tiling |
| 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 65 23 | Luxury Vinyl Tile Flooring |
| 09 67 23 | Resinous Flooring |
| 09 67 66 | Fluid-Applied Athletic Flooring (16013 Cumberland only) |
| 09 68 13 09 77 23 | Tile Carpeting Fabric-Wrapped Panels |
| 09 91 13 | Exterior Painting |
| 09 91 23 | Interior Painting |
| 09 96 00 | High-Performance Coatings |
| DIVIDION 40 | |
| DIVISION 10 - 3 | |
| 10 11 00 | Visual Display Surfaces Display Cases |
| 10 12 00 | Toilet Compartments |
| 10 21 13 | Cubicle Curtain and Track (16013 Cumberland only) |
| | |
| | Wire Mesh Partitions |
| 10 22 13 | Wire Mesh Partitions Operable Panel Partitions |
| | Wire Mesh Partitions Operable Panel Partitions Wall and Door Protection |
| 10 22 13 10 22 38 | Operable Panel Partitions |
| 10 22 13 10 22 38 10 26 00 | Operable Panel Partitions Wall and Door Protection Toilet, Bath, and Laundry Accessories Fire Extinguishers and Cabinets |
| 10 22 13 10 22 38 10 26 00 10 28 00 | Operable Panel Partitions Wall and Door Protection Toilet, Bath, and Laundry Accessories |
| 10 22 13 10 22 38 10 26 00 10 28 00 10 44 13 10 53 00 | Operable Panel Partitions Wall and Door Protection Toilet, Bath, and Laundry Accessories Fire Extinguishers and Cabinets Aluminum Walkway Covers |
| 10 22 13 10 22 38 10 26 00 10 28 00 10 44 13 10 53 00 DIVISION 11 – | Operable Panel Partitions Wall and Door Protection Toilet, Bath, and Laundry Accessories Fire Extinguishers and Cabinets Aluminum Walkway Covers EQUIPMENT |
| 10 22 13 10 22 38 10 26 00 10 28 00 10 44 13 10 53 00 | Operable Panel Partitions Wall and Door Protection Toilet, Bath, and Laundry Accessories Fire Extinguishers and Cabinets Aluminum Walkway Covers EQUIPMENT Loading Dock Equipment |
| 10 22 13 10 22 38 10 26 00 10 28 00 10 44 13 10 53 00 DIVISION 11 – 11 13 00 | Operable Panel Partitions Wall and Door Protection Toilet, Bath, and Laundry Accessories Fire Extinguishers and Cabinets Aluminum Walkway Covers EQUIPMENT |
| 10 22 13 10 22 38 10 26 00 10 28 00 10 44 13 10 53 00 DIVISION 11 – 11 13 00 11 40 00 | Operable Panel Partitions Wall and Door Protection Toilet, Bath, and Laundry Accessories Fire Extinguishers and Cabinets Aluminum Walkway Covers EQUIPMENT Loading Dock Equipment Food Service Equipment |
| 10 22 13 10 22 38 10 26 00 10 28 00 10 44 13 10 53 00 DIVISION 11 – 11 13 00 11 40 00 11 52 13 | Operable Panel Partitions Wall and Door Protection Toilet, Bath, and Laundry Accessories Fire Extinguishers and Cabinets Aluminum Walkway Covers EQUIPMENT Loading Dock Equipment Food Service Equipment Projection Screens |
| 10 22 13 10 22 38 10 26 00 10 28 00 10 44 13 10 53 00 DIVISION 11 – 11 13 00 11 40 00 11 52 13 11 61 45 11 62 00 | Operable Panel Partitions Wall and Door Protection Toilet, Bath, and Laundry Accessories Fire Extinguishers and Cabinets Aluminum Walkway Covers EQUIPMENT Loading Dock Equipment Food Service Equipment Projection Screens Acoustical Curtains Entertainment Equipment (16013 Cumberland only) |
| 10 22 13 10 22 38 10 26 00 10 28 00 10 44 13 10 53 00 DIVISION 11 – 11 13 00 11 40 00 11 52 13 11 61 45 11 62 00 | Operable Panel Partitions Wall and Door Protection Toilet, Bath, and Laundry Accessories Fire Extinguishers and Cabinets Aluminum Walkway Covers EQUIPMENT Loading Dock Equipment Food Service Equipment Projection Screens Acoustical Curtains Entertainment Equipment (16013 Cumberland only) |
| 10 22 13 10 22 38 10 26 00 10 28 00 10 44 13 10 53 00 DIVISION 11 — 11 13 00 11 40 00 11 52 13 11 61 45 11 62 00 DIVISION 12 - I | Operable Panel Partitions Wall and Door Protection Toilet, Bath, and Laundry Accessories Fire Extinguishers and Cabinets Aluminum Walkway Covers EQUIPMENT Loading Dock Equipment Food Service Equipment Projection Screens Acoustical Curtains Entertainment Equipment (16013 Cumberland only) FURNISHINGS Roller Shades |
| 10 22 13 10 22 38 10 26 00 10 28 00 10 44 13 10 53 00 DIVISION 11 – 11 13 00 11 40 00 11 52 13 11 61 45 11 62 00 | Operable Panel Partitions Wall and Door Protection Toilet, Bath, and Laundry Accessories Fire Extinguishers and Cabinets Aluminum Walkway Covers EQUIPMENT Loading Dock Equipment Food Service Equipment Projection Screens Acoustical Curtains Entertainment Equipment (16013 Cumberland only) FURNISHINGS Roller Shades Manufactured Plastic-Laminate-Faced Casework |
| 10 22 13 10 22 38 10 26 00 10 28 00 10 44 13 10 53 00 DIVISION 11 — 11 13 00 11 40 00 11 52 13 11 61 45 11 62 00 DIVISION 12 - I 12 24 13 12 32 16 | Operable Panel Partitions Wall and Door Protection Toilet, Bath, and Laundry Accessories Fire Extinguishers and Cabinets Aluminum Walkway Covers EQUIPMENT Loading Dock Equipment Food Service Equipment Projection Screens Acoustical Curtains Entertainment Equipment (16013 Cumberland only) FURNISHINGS Roller Shades |

<u>DIVISION 13 – SPECIAL CONSTRUCTION</u> NOT APPLICABLE

05/30/2017 3 16012/16013 HSE Admin Building Addition & Renovation HSE Cumberland Road Elementary School Renovation Fishers, IN

TABLE OF CONTENTS

DIVISION 14 – CONVEYING EQUIPMENT

14 24 00 Hydraulic Elevator

VOLUME 2

FACILITY SERVICES SUBGROUP

| <u>DIVISION 21 - FIRE SUPPRESSION</u> | |
|---|--|
| Basic Fire Suppression Requirements | |
| Agreement And Waiver For The Use Of Electronic Files | |
| Electronic Files – Heapy Release Form To Contractors | |
| Basic Fire Suppression Materials And Methods | |
| Firestopping | |
| Piping Materials And Methods For Fire Suppression | |
| Electrical Requirements For Fire Suppression Equipment | |
| Meters And Gauges For Fire Suppression Piping | |
| Hangers And Supports For Fire Suppression Piping | |
| Identification Of Fire Suppression Piping And Equipment | |
| Fire Suppression Piping | |
| Fire Suppression Sprinkler System | |
| Clean Agent Fire Extinguishing System | |
| | |

DIVISION 22 - PLUMBING

| DIVIDIOI 22 | T EOMBITO |
|-------------|---|
| 22 05 01 | Basic Plumbing Requirements |
| 22 05 02 | Agreement And Waiver For The Use Of Electronic Files |
| 22 05 02 A | Electronic Files – Heapy Release Form To Contractors |
| 22 05 04 | Basic Plumbing Materials And Methods |
| 22 05 05 | Firestopping |
| 22 05 07 | Piping Materials And Methods |
| 22 05 09 | Excavation, Backfill And Surface Restoration |
| 22 05 13 | Electrical Requirements For Plumbing Equipment |
| 22 05 19 | Meters And Gauges For Plumbing Piping |
| 22 05 23 | General Duty Valves For Plumbing Piping |
| 22 05 29 | Hangers And Supports For Plumbing Piping |
| 22 05 30 | Bases And Supports For Plumbing Equipment |
| 22 05 53 | Identification Of Plumbing Piping And Equipment |
| 22 07 19 | Plumbing Piping Insulation |
| 22 10 12 | Interior Gas Piping |
| 22 11 13 | Facility Water Distribution Piping |
| 22 11 16 | Interior Domestic Water Piping |
| 22 11 19 | Interior Domestic Water Piping Specialties |
| 22 13 13 | Facility Sanitary Sewers |
| 22 13 16 | Interior Drainage And Vent Systems |
| 22 13 19 | Drainage Systems Specialties |
| 22 13 29 | Plumbing Pumps - Drainage |
| 22 31 00 | Domestic Water Softeners |
| 22 33 00 B | Domestic Water Heaters – High Efficiency – Non-Condensing |
| 22 42 00 | Plumbing Fixtures |
| | |

DIVISION 23 - HEATING VENTILATING AND AIR CONDITIONING

| 23 05 01 | Basic HVAC Requirements |
|----------|--|
| 23 05 02 | Agreement And Waiver For Use Of Electronic Files |
| 23 05 04 | Basic HVAC Materials And Methods |
| 23 05 05 | Firestopping |
| 23 05 07 | Piping Materials And Methods |

HSE Admin Building Addition & Renovation
HSE Cumberland Road Elementary School Renovation

TABLE OF CONTENTS

Fishers, IN

| 23 05 09 Excavation, Backfill And Surface Restoration 23 05 13 Electrical Requirements For HVAC Equipment 23 05 14 Adjustable Frequency Motor Controller | |
|--|----------|
| 23 05 13 Electrical Requirements For HVAC Equipment | |
| | |
| ZU UU 14 MUIUSIADIE FIEUUEIIUV IVIUIUI CUIIIIUIIEI | |
| 23 05 16 Expansion Fittings For HVAC Piping Systems | |
| 23 05 19 Meters And Gauges For HVAC Piping | |
| 23 05 21 Flow Meters | |
| 23 05 23 General Duty Valves For HVAC Piping | |
| | |
| 23 05 29 Hangers And Supports For HVAC Piping | |
| 23 05 30 Bases And Supports For HVAC Equipment | |
| 23 05 31 HVAC Equipment Drives | |
| 23 05 49 Vibration Control For HVAC | |
| 23 05 50 Flexible HVAC Pipe Connectors | |
| 23 05 53 Identification Of HVAC Piping And Equipment | |
| 23 05 93 Testing, Adjusting And Balancing For HVAC | |
| 23 07 13 Duct Insulation | |
| 23 07 16 HVAC Equipment Insulation | |
| 23 07 19 HVAC Pipe Insulation | |
| 23 09 23 Direct Digital Control Systems For HVAC | |
| 23 09 25 Instrumentation And Control Devices For HVAC | |
| 23 09 47 Control Power And Wiring For HVAC | |
| 23 09 93 Sequence Of Operations For HVAC Controls | |
| 23 09 95 Direct Digital Control System Points List | |
| 23 21 13 Hydronic Piping | |
| 23 21 14 Expansion Tanks (Pressurized Diaphragm/Bladder) | |
| 23 21 16 Underground Insulated Piping Systems | |
| 23 21 23 Hydronic Pumps | |
| 23 21 24 Variable Speed Pump Packages | |
| 23 23 00 Refrigerant Piping (Small System) | |
| 23 25 00 Water Treatment Systems | |
| 23 31 13 HVAC Ductwork | |
| 23 33 00 Air Duct Accessories | |
| 23 34 00 HVAC Fans | |
| 23 34 23 HVAC Gravity Roof Ventilators | |
| 23 36 16 Air Terminal Units (Vav Reheat & Shutoff) (Ddc Control) | |
| 23 36 24 Airflow Control Valves | |
| | |
| | |
| | |
| 23 51 17 Breechings, Chimneys And Stacks Factory Double Wall | |
| 23 52 20 Hot Water High Efficiency Condensing Boilers | |
| 23 62 13 Condensing Unit - Air Cooled Small Split System | |
| 23 64 21 Scroll Water Chiller - Split System Air Cooled | |
| 23 73 13 Modular Indoor Air Handling Units | - |
| 23 81 24 Computer Room Air Conditioners (Air-Cooled) (3 And 5 T | ons) |
| 23 82 19 Fan-Coil Units | |
| 23 82 39 Unit Heaters - Cabinet/Propeller | |

DIVISION 26 - ELECTRICAL

| 26 05 01 | Basic Electrical Requirements |
|------------|---|
| 26 05 02 | Agreement And Waiver For Use Of Computer Aided Design Files |
| 26 05 04 | Basic Electrical Materials And Methods |
| 26 05 05 | Firestopping |
| 26 05 19 A | Low-Voltage Electrical Power Conductors – Copper |
| 26 05 19 B | Low-Voltage Electrical Power Conductors – Aluminum |

05/30/2017 6

TABLE OF CONTENTS

DIVISION 27 - COMMUNICATIONS

| 27 05 01 | Basic Communications Requirements |
|----------|--|
| 27 11 00 | Communications Equipment Room Fittings |
| 27 15 13 | Communications Copper Horizontal Cabling |

DIVISION 28 - ELECTRONIC SAFETY AND SECURITY

28 31 00 Fire Detection And Alarm System

SITE AND INFRASTRUCTURE SUBGROUP

DIVISION 31 - EARTHWORK

| 31 11 00 | Site Clearing |
|----------|----------------------|
| 31 20 00 | Earth Moving |
| 31 25 00 | Soil Erosion Control |
| 31 31 16 | Termite Control |

DIVISION 32 - EXTERIOR IMPROVEMENTS

| 32 12 16 | Asphalt Paving |
|----------|----------------------------|
| 32 13 16 | Concrete Paving |
| 32 15 40 | Crushed Stone Surfacing |
| 32 17 23 | Paving Marking |
| 32 31 13 | Chainlink Fences and Gates |
| 32 92 00 | Turf and Grasses |
| 32 93 00 | Plants |

16012/16013 HSE Admin Building Addition & Renovation HSE Cumberland Road Elementary School Renovation Fishers, IN

TABLE OF CONTENTS

DIVISION 33 – UTILITIES

33 41 00 Storm Utility Drainage Piping

END OF TABLE OF CONTENTS