

Bid Package Index

MULTIPLE TRADE CONTRACTS RELATED DOCUMENTS

Drawings and general provisions of each Trade contract, including General and Supplementary Conditions and other Division One Specifications sections, apply to this Section. It is the responsibility of each Trade Contractor to review and understand thoroughly the General and Supplementary Conditions as each Trade Contractor is bound by these documents. Conditions within these documents will be adhered to with no exceptions.

PROJECT IDENTIFICATION

Johnson County Westside Primary School Addition, Hartman, Arkansas.

Trade contracts are separate contracts that represent significant construction activities performed concurrently with and closely coordinated with construction activities performed on the project under other Trade contracts. Trade contracts for this project include:

- 01 Site Work
- 02 Asphalt Paving and Striping
- 03 Selective Demolition
- 04 Termite Control
- 05 Utility Demolition/Relocation
- 06 Concrete
- 07 Masonry
- 08 Structural & Miscellaneous Steel Material Only
- 09 Structural & Miscellaneous Steel Installation Only
- 10 Rough and Finish Carpentry
- 11 Architectural Woodwork (cabinets)
- 12 Waterproofing and Joint Sealants
- 13 Roofing and Sheet Metal including Tapered Insulation System
- 14 Penetration Fire-stopping System
- 15 Hollow Metal Doors and Frames, Wood Doors, and Finish Hardware Material Only
- 16 Hollow Metal Doors and Frames, Wood Doors, and Finish Hardware Installation Only
- 17 Aluminum Storefront Systems, Glass and Glazing including Aluminum Windows
- 18 Metal Studs, Gypsum Board, Acoustical Panels, and Acoustical Ceilings
- 19 Carpet and Rubber Base
- 20 Modular Athletic Flooring
- 21 Polymer Floor System and Wall Base
- 22 Painting
- 23 Specialties Material Only
- 24 Specialties Installation Only
- 25 Commercial Kitchen Equipment
- 26 Stage Curtains
- 27 Window Treatment and Roller Shades
- 28 Hydraulic Passenger Elevator

- 29 Wet-Pipe Fire Suppression System
- 30 Plumbing and Gas Piping
- 31 Heating and Ventilation System
- 32 Electrical and Communications
- 33 Combination Bid Package

SCHEDULE OF WORK

All work as shown on drawings shall be completed no later than See Bid Form.

TRADE WORK

This is not a complete list of all work; but is a general guideline. The drawings and specifications for these sections determine the total scope of work.

DEFINITION OF THE EXTENT OF TRADE CONTRACT WORK

The extent of each trade contract is indicated in the Contract Documents. Except where no other specific description is contained in the Contract Documents, general names, and terminology on the drawings and in specification sections determines which trade contract includes a specific element of work.

Local custom and trade-union jurisdictional settlements do not control the scope of work included in each trade contract. When a potential jurisdictional dispute or similar interruption of construction activities is first identified or threatened, the affected trade contracts shall promptly negotiate a reasonable settlement to avoid or minimize the pending interruption and its delays.

As point of clarification, note the following:

- 1) Construction Manager will provide Building Permit.
- 2) Construction Manager will provide temporary toilets.
- 3) Construction Manager will pay for temporary power usage charges made by the power company. Electrical Trade Contractor to provide temporary power hook up as a part of this package. Temporary distribution centers shall be placed such that any point within the building is within 100' of a power center.
- 4) Each trade is responsible for their own weather protection and clean up and storage.
- 5) Construction Manager will provide water to temporary location. Plumbing Trade Contractor to provide hook ups as required.
- 6) Each trade is responsible for required equipment required for the installation of their work. Any equipment placed on the building slab shall be "diapered" to prevent liquids from dropping onto the finished slab surface.
- 7) Stationary equipment such as pipe threading machinery shall have 2 layers of protection beneath them to prevent oils from contacting the finished slab.

RESPONSIBILITIES OF EACH TRADE CONTRACTOR

Except as otherwise specifically stated in the contract, each Trade Contractor shall provide and pay for all materials, labor, tools, equipment, transportation, superintendence, taxes legally collectable because of the work and all other services and facilities of every nature whatsoever necessary to execute the work of each contract and shall deliver the work complete in every respect within the specified time.

- 9) Perform all Flow test on the entire system schedule with Fire Marshall
- 10) Demonstrate and train owner and Fire Department on operations
- 11) Furnish all required sleeves for this package
- 12) Provide fire stopping at all penetrations thru fire rated assemblies, whether walls or ceilings, made by this contractor. Spec 260500
- 13) Furnish shop drawings, mock-ups and other required submittals.
- 14) Coordinate work with Construction Manager.
- 15) Clean-up and remove trash from jobsite.

Package No. 30 – Plumbing and Gas Piping

Work in this package includes all labor, materials, equipment and supervision to complete the items as per Drawings and Specifications including but not limited to:

- 1) Layout of all work in this package.
- 2) Provide sewer, gas, and water as indicated on the plans.
- 3) Furnish water service from the new meter (by owner) into building. Waterline up to the meter location installed by others
- 4) Provide temporary frost proof hydrant for construction water. Remove at completion.
- 5) Install sewer line to septic systems as shown drawing C1.3
- 6) Provide excavation, trench safety, bedding compacted backfill for the installation of plumbing lines.
- 7) Furnish unit price for rock excavation.
- 8) Provide final connection of water, gas, and sewer, per drawings including final connections to any appliances.
- 9) Provide piping insulation –
- 10) Provide piping labels and valve tags.
- 11) Provide piping hangers –
- 12) Plumbing Valves –
- 13) Plumbing Meters and Gages
- 14) Plumbing Specialties
- 15) Water Distribution, Drainage, and Vent Piping
- 16) Provide all plumbing fixtures and equipment, fittings, etc. – Spec
- 17) Grease Interceptor
- 18) Provide silicone sealant at joint between plumbing and fixtures and walls/floor.
- 19) Provide water, gas, and sewer hook-ups to fixtures where shown, complete.
- 20) Protect plumbing fixtures until final completion.
- 21) Provide sleeve layout in block wall as needed. Plumber to furnish all sleeves that are required for his work whether in concrete, masonry, or other building material.
- 22) Coordinate roof penetration sizes and locations with roofing contractor.
- 23) Provide all necessary equipment required for completion of work
- 24) Provide fire stopping at all penetrations thru fire rated assemblies, whether walls or ceilings, made by this contractor 260500
- 25) Furnish shop drawings, gradation plan and other required submittals.
- 26) Coordinate work with Construction Manager.
- 27) Clean up and remove trash from jobsite.

Package No. 31 – Heating and Ventilation System

Work in this package includes all labor, materials, equipment and supervision to complete the items as per Drawings and Specifications including but not limited to:

- 1) Layout of all work in this package.
- 2) Kitchen Equipment supplier will supply Captive air system Mechanical Contractor to furnish and install Duct.**
- 3) Refrigerant Piping
- 4) Hangers and Supports 233113
- 5) Furnaces spec
- 6) Roof Top Units spec
- 7) All units pr meet or exceed Performance Data included in specifications
- 8) Air-Cooled Heat Pump Split System
- 9) Ducts and Duct Accessories – Spec 233113 and 230700
- 10) Provide all specialties and accessories required to complete heating and cooling units.
- 11) Provide setting all units, complete, including anchoring as required, and all equipment required to set units.
- 12) Power Ventilators fans– Spec
- 13) Diffusers, Registers, Grilles, and Louvers – Specs 233713
- 14) Air Cleaning Devices spec
- 15) Provide all louvers and wall caps. Coordinate wall opening sizes and locations with other trades, install and seal with approved caulking and flashing, complete.
- 16) Coordinate roof penetrations sizes and locations with roofing contractor.
- 17) Provide sleeves, vents, piping and layout through walls and slabs required for work of this trade package.
- 18) Provide temperature control systems. Coordinate conduit from thermostats to above ceilings and in walls as required concealment with electrical contractor
- 19) Provide testing and balancing – Spec 230593
- 20) Provide connections of equipment furnished under this trade section.
- 21) Provide and install sealant around all exterior louvers, sealant around pipes and installation of plenums, complete.
- 22) Provide filter media over all returns for units used during construction. Unit filters and additional filter media shall be replaced on regular schedule to prevent excessive dirt in equipment and coils.
- 23) Provide inspections and tests as required.
- 24) Furnish training of Owner's personnel in the operation of all HVAC systems and controls.
- 25) Provide fire stopping at all penetrations thru fire rated assemblies, whether walls or ceilings, made by this contractor. Spec 260500
- 26) Furnish shop drawings and other required submittals.
- 27) Coordinate work with Construction Manager.
- 28) Clean up and remove trash from jobsite.

Package No. 32 – Electrical and Communications

Work in this package includes all labor, materials, equipment and supervision to complete the items as per Drawings and Specifications including but not limited to:

- 1) Layout of all work in this package.

- 2) General Electrical requirements spec 260500
- 3) Coordinate with Power Utility supplier and pay all fees.
- 4) Conductors and Cables
- 5) Provide Sleeves for raceways and Cables spec 260500
- 6) Provide temporary power and lights. Furnish lighting to meet OSHA construction standards. Furnish power distribution system such that no point within the building shall require an extension cord longer than 100'. Construction Manager to pay usage charges.
- 7) Provide all disconnects, panels, and switches as required
- 8) Service Entrance and Distribution
- 9) Provide light fixtures and lighting controls, complete –
- 10) Provide Dimming Control System per plans and spec

11) Furnish and install Audio-Video System per plans and spec 11 13 00

- 12) Provide fire alarm system, complete, per Drawings – spec 284621
- 13) Provide Communication system per plans and spec
- 14) Provide Classroom Intercom System per plans and spec
- 15) Provide electrical raceway and conduit systems as indicated
- 16) Provide final electric hook-up of heating & cooling units, thermostat wiring, control wiring and interlock wiring under work of HVAC trade contract. Provide final electrical connection to appliances.
- 17) Provide labeling of all panels, disconnects and switches
- 18) Provide all telephone, cable TV, and data conduit stubbed above ceiling as noted. Provide cabling as specified and/or shown
- 19) Low Voltage Transformers
- 20) Transient Voltage Suppression
- 21) Supports, Bracing, and Seismic Restraints
- 22) Provide electrical connections on equipment furnished under work of other trade contracts.
- 23) Provide testing and adjustments of electrical system.
- 24) Provide sleeves and layout through walls and slabs required for work of this trade package.
- 25) Provide electrical grounding – Spec Furnish and install Pole lights and Concrete bases
- 26) Coordinate heights of receptacles with millwork elevations.
- 27) Provide all necessary equipment required for completion of work.
- 28) Provide fire stopping at all penetrations thru fire rated assemblies, whether walls or ceilings, made by this contractor. Spec 260500
- 29) Furnish shop drawings and other required submittals.
- 30) Coordinate work with Construction Manager.
- 31) Clean up and remove trash from jobsite.
- 32) Demonstrate operation of units to owner and furnish complete operating manuals.

Package No. 33 – Combination Bid Package

Work in this package includes all labor, materials, equipment and supervision to complete the items as per Drawings and Specifications including but not limited to:

- 1) Combination of any of the above bid packages 1-32

- 2) Combination Bid packages must be marked clearly on bid form
- 3) Combination Bids must include all required items in the bid packages
- 4) Furnish shop drawings, mock-ups and other required submittals.
- 5) Coordinate work with Construction Manager.
- 6) Clean-up and remove trash from jobsite.

END OF SECTION