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NOTICE TO ALL CONTRACTORS AND SUB-CONTRACTORS

April 5, 2024

Hillsboro Community Child Care Center, Hillsboro, KS – JGR Proj #22-3225RE

ADDENDUM NO. 2

YOU ARE INSTRUCTED TO READ AND TO NOTE THE FOLLOWING DESCRIBED CHANGES, CORRECTIONS, CLARIFICATIONS, OMISSIONS, DELETIONS, ADDITIONS, APPROVALS, AND STATEMENTS PERTINENT TO THE CONTRACT AND CONSTRUCTION DOCUMENTS. THIS ADDENDUM IS A PART OF THE CONTRACT AND CONSTRUCTION DOCUMENTS AND SHALL GOVERN IN THE PERFORMANCE OF THE WORK.

Bid Date: *Wednesday, April 10, 2024 to the City Hall-Council Meeting Room located at 118 E. Grand, Hillsboro, KS by 2:00 p.m.*

GENERAL

1. Replace Bid for Lump Sum Contracts (pages 6 through 8) with the attached.

ARCHITECTURAL – Specifications

1. Section 01030 Alternates – Add the following:
 10. Alternate No. 10 - The contractor shall state the amount of dollars to be deducted from the Base Bid to use the following materials for sprinkler piping:
 - CPVC Fire Sprinkler pipe at concealed areas and as allowed by NFPA.
 - Schedule 10 metallic pipe at basement area exposed areas and as allowed by NFPA.
 - All exposed first floor sprinkler pipe shall be Schedule 40 steel pipe per the specifications, No Exceptions. Exposed first floor pipe is to be prepped as required to receive paint finish.
2. Section 08700 Door Hardware – Clarification - All doors identified as access control doors have all access control components, including electronic strikes, power supplies, cable, control panels, etc. Access control devices shall be provided and installed by the owner's security contractor, per separate contract.

ARCHITECTURAL – Drawings

1. Sheet A1.1 Site Plan – Clarification – The equipment screens at the NW corner of the existing building, located around the HVAC units, are to be Type 3 fence.
2. Sheet A1.1 Site plan - Clarification – The fire line from the building to the North alley shall be 6". The 2 ½" domestic water line shall also extend to the water line at the alley.

STRUCTURAL – Drawings

1. Sheet A1.1 Landscaping, note L1 – All seeding shall be by owner. Contractor shall be responsible for the all site prep, site grading, and topsoil.
2. Sheet A1.1 Landscaping, note L6 – All landscape fabric and mulch shall be by owner. Contractor shall be responsible for all site prep, final grading, and topsoil.
3. Sheet A10.2 Door Schedule - Door 114 shall be solid core wood door, full glass.

MECHANICAL – Specifications

1. Section 233100 HVAC Ducts and Casings – This section is to be replaced with the attached revised section.

Receipt of this Addendum shall be noted on the Bid Form.

END OF ADDENDUM NO. 2

Attachments

Bid for Lump Sum Contracts form
Section 233100

BID FOR LUMP SUM CONTRACTS

Place _____
Date _____
Project No. _____

Proposal of _____ (hereinafter called "Bidder")
(a _____ corporation/a partnership/an individual
(State) (STRIKE OUT INAPPLICABLE TERMS)
doing business as _____)
To the _____ (hereinafter called "Owner")

Gentlemen:

The bidder, in compliance with your invitation for bids for the construction of a

Building rehabilitation to convert former church building to a new childcare center.

having examined the plans and specification with related documents and the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project including the availability of material and labor, hereby proposes to furnish all labor, materials, and supplies; and to construct the project in accordance with the Contract Documents, within the time set forth therein, and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this proposal is a part.

Bidder hereby agrees to commence work under this contract on or before a date to be specified in written "Notice to Proceed" of the Owner and to fully complete the project within 365 consecutive calendar days thereafter as stipulated in the specifications. Bidder further agrees to pay as liquidated damages, the sum of \$ 500.00 for each consecutive calendar day thereafter as hereinafter provided in Paragraph 19 of the General Conditions. Bidder

acknowledges receipt of the following addendums (mark w/ "X"):

Addendum 1	Addendum 3
Addendum 2	Addendum 4

BASE PROPOSAL: Bidder agrees to perform all of the General Construction, Structural, Mechanical, Plumbing, Electrical, Food Service, and Exterior work described in the specifications and shown

on the plans for the sum of _____
(\$ _____) (Amount shall be in both words and figures. In case of discrepancy, the amount shown in words will govern).

ALTERNATE PROPOSALS:

Alternate No. 1:	<u>Eliminate New Front Office Addition</u>	_____
Deduct the sum of	_____	(\$ _____)
Alternate No. 2:	<u>New Concrete Parking Lot</u>	_____
Add the sum of	_____	(\$ _____)
Alternate No. 3:	<u>Ceiling Tile Replacement B25, B07, B40</u>	_____
Add the sum of	_____	(\$ _____)
Alternate No. 4:	<u>Ceiling Tile Replacement B02,B03,B04,B08,B14,B16,B22,B23,B29,B31,B37,B38,B42</u>	_____
Add the sum of	_____	(\$ _____)
Alternate No. 5:	<u>Provide and Install Reception Desk</u>	_____
Add the sum of	_____	(\$ _____)
Alternate No. 6:	<u>Install Concrete Playground Base</u>	_____
Add the sum of	_____	(\$ _____)
Alternate No. 7:	<u>Install suspended ceiling & adding clouds with axiom trim in rooms 143,156, &158</u>	_____
Add the sum of	_____	(\$ _____)
Alternate No. 8:	<u>Provide and install the climbing wall</u>	_____
Add the sum of	_____	(\$ _____)
Alternate No. 9:	<u>Replacing 4" water line at alley, North of building, tying into existing 6" water line at Floral St</u>	_____
Add the sum of	_____	(\$ _____)
Alternate No. 10:	<u>CPVC and Schedule 10 metallic Sprinkler Pipe</u>	_____
Deduct the sum of	_____	(\$ _____)
Alternate No. 11:	<u>If added by Addendum</u>	_____
Add the sum of	_____	(\$ _____)

UNIT PRICES:

For changing quantities of work items from those indicated by the contract drawings upon written instructions from the architect/engineer, the following unit prices shall prevail:

1. Earth Over-Excavation \$ _____ / cubic yard
2. _____ \$ _____
3. _____ \$ _____

The above unit prices shall include all labor, materials, bailing, shoring, removal, overhead, profit, insurance, etc., to cover the finished work of the several kinds called for. Changes shall be processed in accordance with Paragraph 17(a) of the General Conditions.

Bidder understands that the Owner reserves the right to reject any or all bids and to waive any informalities in the bidding.

The bidder agrees that this bid shall be good and may not be withdrawn for a period of 30 calendar days after the scheduled closing time for receiving bids.

Upon receipt of written notice of the acceptance of this bid, Bidder will execute the formal contract attached within 10 days and deliver a Surety Bond or Bonds as required by Paragraph 29 of the General Conditions.

The bid security attached in the sum of _____ (\$ _____)
is to become, in the event the contract and bond are not executed within the time above set forth, as liquidated
damages for the delay and additional expense to the Owner caused thereby.

Respectfully submitted:

(SEAL – if bid is by a corporation)

By: _____ Signature

Title

Business Address and Zip Code

Contractor’s Requirements

- The Prime Contractor must submit a Section 3 plan to the Sub-Recipient outlining Section 3 hiring and employment opportunities.
- The Prime Contractor must notify all sub-contractors of their responsibilities under Section 3
- The Prime Contractor must provide a permeant workforce breakdown of all current employees and identify those Section 3 workers that were hired within the last five years.
- The Prime Contractor must provide an estimated breakdown of potential hires for the awarded project and timeline of anticipated hiring
- The Prime Contractor must refrain from contracting with sub-contractors as to whom they have received notice or have knowledge that the sub-contractors have been found in violation of the regulations in 24 CFR 75.
- Maintain records that document a good faith effort to utilize Section 3 workers and Target Section 3 workers as trainees and employees. (Required of both contractor and sub- contractor.) and any other qualitative efforts to comply with Section 3.

Recordkeeping requirements for recipients are found at 24 CFR § 75.31. The contractor is required to maintain documentation to demonstrate compliance with the regulations and is responsible for requiring their subcontractors to maintain or provide any documentation that will assist recipients in demonstrating compliance, including documentation that shows hours worked by Section 3 workers and Targeted Section 3 workers.

SECTION 233100
HVAC DUCTS AND CASINGS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Metal ductwork.
- B. Nonmetal ductwork.
- C. Duct cleaning.

1.2 RELATED REQUIREMENTS

- A. Section 230713 - Duct Insulation: External insulation and duct liner.
- B. Section 233300 - Air Duct Accessories.
- C. Section 233600 - Air Terminal Units.
- D. Section 233700 - Air Outlets and Inlets.
- E. Section 230593 - Testing, Adjusting, and Balancing for HVAC.

1.3 REFERENCE STANDARDS

- A. ASHRAE (FUND) - ASHRAE Handbook - Fundamentals; Most Recent Edition Cited by Referring Code or Reference Standard.
- B. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2014.
- C. ASTM A240/A240M - Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications; 2016.
- D. ASTM A480/A480M - Standard Specification for General Requirements for Flat-Rolled Stainless and Heat-Resisting Steel Plate, Sheet, and Strip; 2017.
- E. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2017.
- F. ASTM B209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2014.
- G. ASTM B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate (Metric); 2014.
- H. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2018.
- I. ICC-ES AC01 - Acceptance Criteria for Expansion Anchors in Masonry Elements; 2015.
- J. ICC-ES AC106 - Acceptance Criteria for Predrilled Fasteners (Screw Anchors) in Masonry Elements; 2015.
- K. ICC-ES AC193 - Acceptance Criteria for Mechanical Anchors in Concrete Elements; 2015.
- L. ICC-ES AC308 - Acceptance Criteria for Post-Installed Adhesive Anchors in Concrete Elements; 2016.
- M. NFPA 90A - Standard for the Installation of Air-Conditioning and Ventilating Systems; 2018.
- N. NFPA 96 - Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations; 2017.
- O. SMACNA (DCS) - HVAC Duct Construction Standards Metal and Flexible; 2005 (Revised 2009).
- P. SMACNA (KVS) - Kitchen Ventilation Systems and Food Service Equipment Fabrication and Installation Guidelines; 2001.
- Q. SMACNA (LEAK) - HVAC Air Duct Leakage Test Manual; 2012.

1.4 PERFORMANCE REQUIREMENTS

- A. No variation of duct configuration or sizes permitted except by written permission. Size round ducts installed in place of rectangular ducts in accordance with ASHRAE table of equivalent rectangular and round ducts.

1.5 SUBMITTALS

- A. See Division 1 Section - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data for duct materials.
- C. Project Record Documents: Record actual locations of ducts and duct fittings. Record changes in fitting location and type. Show additional fittings used.

1.6 FIELD CONDITIONS

- A. Do not install duct sealants when temperatures are less than those recommended by sealant manufacturers.
- B. Maintain temperatures within acceptable range during and after installation of duct sealants.

PART 2 PRODUCTS

2.1 DUCT ASSEMBLIES

- A. Regulatory Requirements: Construct ductwork to NFPA 90A standards.

2.2 MATERIALS

- A. Galvanized Steel for Ducts: Hot-dipped galvanized steel sheet, ASTM A653/A653M FS Type B, with G60/Z180 coating.
- B. Aluminum for Ducts: ASTM B209 (ASTM B209M); aluminum sheet, alloy 3003-H14. Aluminum Connectors and Bar Stock: Alloy 6061-T651 or of equivalent strength.
- C. Stainless Steel for Ducts: ASTM A 240/A 240M, Type 304.
- D. Joint Sealers and Sealants: Non-hardening, water resistant, mildew and mold resistant.
 - 1. Type: Heavy mastic or liquid used alone or with tape, suitable for joint configuration and compatible with substrates, and recommended by manufacturer for pressure class of ducts.
 - 2. Surface Burning Characteristics: Flame spread of zero, smoke developed of zero, when tested in accordance with ASTM E84.
 - 3. For Use With Flexible Ducts: UL labeled.
- E. Hanger Rod: ASTM A36/A36M; steel, galvanized; threaded both ends, threaded one end, or continuously threaded.
- F. Hanger Fasteners: Attach hangers to structure using appropriate fasteners, as follows:
 - 1. Concrete Wedge Expansion Anchors: Complying with ICC-ES AC193.
 - 2. Masonry Wedge Expansion Anchors: Complying with ICC-ES AC01.
 - 3. Concrete Screw Type Anchors: Complying with ICC-ES AC193.
 - 4. Masonry Screw Type Anchors: Complying with ICC-ES AC106.
 - 5. Concrete Adhesive Type Anchors: Complying with ICC-ES AC308.
- G. Insulated Flexible Ducts:
 - 1. Two ply vinyl film supported by helically wound spring steel wire; fiberglass insulation; polyethylene vapor barrier film.
 - a. Pressure Rating: 10 inches WG positive and 1.0 inches WG negative.
 - b. Maximum Velocity: 4000 fpm.
 - c. Temperature Range: -10 degrees F to 160 degrees F.
- H. Joint Sealers and Sealants: Non-hardening, water resistant, mildew and mold resistant.

2.3 DUCTWORK FABRICATION

- A. Fabricate and support in accordance with SMACNA HVAC Duct Construction Standards - Metal and Flexible, and as indicated.
- B. No variation of duct configuration or size permitted except by written permission. Size round duct installed in place of rectangular ducts in accordance with ASHRAE Handbook - Fundamentals.
- C. Provide duct material, gages, reinforcing, and sealing for operating pressures indicated.

- D. Construct T's, bends, and elbows with radius of not less than 1-1/2 times width of duct on centerline. Where not possible and where rectangular elbows must be used, provide air foil turning vanes of perforated metal with glass fiber insulation.
- E. Provide air foil turning vanes when rectangular elbows must be used.
- F. Increase duct sizes gradually, not exceeding 15 degrees divergence wherever possible; maximum 30 degrees divergence upstream of equipment and 45 degrees convergence downstream.
- G. Fabricate continuously welded round and oval duct fittings in accordance with SMACNA HVAC Duct Construction Standards - Metal and Flexible.
- H. Provide high efficiency 45 degree wye takeoffs for all branch ducts in medium and low pressure systems..
- I. Where ducts are connected to exterior wall louvers and duct outlet is smaller than louver frame, provide blank-out panels sealing louver area around duct. Use same material as duct, painted black on exterior side; seal to louver frame and duct.

2.4 MANUFACTURED DUCTWORK AND FITTINGS

- A. Manufacture in accordance with SMACNA HVAC Duct Construction Standards - Metal and Flexible, and as indicated. Provide duct material, gages, reinforcing, and sealing for operating pressures indicated.
- B. Spiral Ducts: Machine made from round spiral lockseam duct, steel with mill phosphatized finish.
 - 1. Manufacturers:
 - a. Wesco
 - b. Wichita Sheet Metal
- C. Double Wall Insulated Spiral Ducts: Machine made from round spiral lockseam duct, steel outer wall with mill phosphatized finish, 1 inch thick fiberglass insulation, perforated galvanized steel inner wall; fittings manufactured with solid inner wall.
 - 1. Manufacturers:
 - a. Wesco
 - b. Wichita Sheet Metal
- D. Flexible Ducts: Two ply vinyl film supported by helically wound spring steel wire.
 - 1. Insulation: Fiberglass insulation with polyethylene vapor barrier film.
 - 2. Pressure Rating: 10 inches WG positive and 1.0 inches WG negative.
 - 3. Maximum Velocity: 4000 fpm.
 - 4. Temperature Range: Minus 10 degrees F to 160 degrees F.
- E. Transverse Duct Connection System: SMACNA "E" rated rigidly class connection, interlocking angle and duct edge connection system with sealant, gasket, cleats, and corner clips.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install, support, and seal ducts in accordance with SMACNA HVAC Duct Construction Standards - Metal and Flexible.
- B. Install in accordance with manufacturer's instructions.
- C. During construction provide temporary closures of metal or taped polyethylene on open ductwork to prevent construction dust from entering ductwork system.
- D. Duct sizes indicated are inside clear dimensions. For lined ducts, maintain sizes inside lining.
- E. Install and seal metal and flexible ducts in accordance with SMACNA HVAC Duct Construction Standards - Metal and Flexible.
- F. Provide openings in ductwork where required to accommodate thermometers and controllers. Provide pilot tube openings where required for testing of systems, complete with metal can with spring device or screw to ensure against air leakage. Where openings are provided in insulated ductwork, install insulation material inside a metal ring.

- G. Locate ducts with sufficient space around equipment to allow normal operating and maintenance activities.
- H. Use crimp joints with or without bead for joining round duct sizes 8 inch and smaller with crimp in direction of air flow.
- I. Use double nuts and lock washers on threaded rod supports.
- J. Connect flexible ducts to metal ducts with draw bands and sealant plus sheet metal screws. Use a maximum of 5' of flexible duct, at final connection to diffusers only, free of kinks. Do not install above inaccessible ceilings. Do not use flexible ductwork in exposed areas.
- K. During construction provide temporary closures of metal or taped polyethylene on open ductwork to prevent construction dust from entering ductwork system.
- L. Exposed spiral ductwork shall be supported from top chord of structural members, utilizing steel cable hangers and adjustable cable clamps.

3.2 CLEANING

- A. Clean duct system and force air at high velocity through duct to remove accumulated dust. To obtain sufficient air, clean half the system at a time. Protect equipment that could be harmed by excessive dirt with temporary filters, or bypass during cleaning.

3.3 SCHEDULES

- A. Ductwork Material:
 - 1. Medium Pressure Supply: Steel.
 - 2. Low Pressure Supply: Steel.
 - 3. Return and Relief: Steel.
 - 4. General Exhaust: Steel.
 - 5. Outside Air Intake: Steel.
 - 6. At contractor's option, phenolic ductwork may be used for supply and return ductwork in medium and low pressure systems.
 - 7. Dishwasher exhaust: aluminum or stainless steel
 - 8. Type II hood exhaust: stainless steel.
- B. Ductwork Pressure Class:
 - 1. Medium Pressure Supply: 3 inch.
 - 2. Return and Relief: 1 inch.
 - 3. General Exhaust: 1/2 inch.
- C. Round ductwork shall be double wall spiral where exposed. Concealed round ductwork may be spiral, double or single wall, or fabricated.

END OF SECTION 233100