ADDENDUM NO. 1

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

HVAC Repairs, Blade & Paint Shop Building AVCRAD Army Aviation Site Springfield, Missouri PROJECT NO. T2329-01

Bid Opening Date: 1:30 PM, Tuesday, September 10, 2024 (Not Changed)

Bidders are hereby informed that the Construction Plans and/or Specifications are modified as follows:

SPECIFICATION CHANGES:

- 1. ADD attached new Specification Section 220553 Mechanical Identification
- 2. Section 230713 Duct Jacketing
 - a. REMOVE and REPLACE with attached revised Specification Section 230713 Duct Jacketing. Parts 1.4, 2.1, 2.2, and 3.4 have been revised.

DRAWING CHANGES:

- 1. Sheet M-100
 - a. REMOVE and REPLACE with attached revised Sheet M-100.
- 2. Sheet M-101
 - a. REMOVE and REPLACE with attached revised Sheet M-101.

GENERAL COMMENTS:

- 1. The Pre-Bid Meeting was held August 19, 2024 followed by a walk-thru of the project site. The Pre-Bid Meeting Attendance/Meeting Minutes are attached.
- 2. Please contact Mandy Roberson, Contract Specialist, at 573-522-0074 or mandy.roberson@oa.mo.gov for questions regarding bidding procedures and MBE/WBE/SDVE goals and submittal requirements.
- 3. The deadline for technical questions is 12:00 PM on September 3, 2024.
- 4. Changes to, or clarification of, the bid documents are only made as issued in the addenda.
- 5. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
- 6. Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 7A, Columbia MO 65203, (573) 446-7768 to get plans and specifications.
- 7. The current planholders list can be found online at: <u>T2329-01 HVAC Repairs</u>, <u>Blade & Paint Shop Bldg AVCRAD Army Aviation Site :: Plan Holders :: State of Missouri Office of Administration (oafmdcplanroom.com)</u>.
- 8. All bids shall be submitted on the bid form without additional terms and conditions, modifications, or stipulations. Each space on the bid form shall be properly filled

including an amount for each alternate. Failure to do so will result in rejection of the bid.

- 9. MBE/WBE/SDVE participation requirements can be found in DIVISION 00. The MBE/WBE/SDVE participation goals are 10%/10%/3%, respectively. Only certified firms as of the bid opening date can be used to satisfy the MBE/WBE/SDVE participation goals for this project. If a bidder is unable to meet a participation goal, a Good Faith Effort Determination Form must be completed. Failure to complete this process will result in rejection of the bid.
- 10. Alternate amounts shall be entered as the amount associated with the listed alternate and should not include the base bid.

ATTACHMENTS:

- 1. Pre-Bid Meeting Attendance/Meeting Minutes
- 2. Section 220553 Mechanical Identification
- 3. Section 230713 Duct Jacketing
- 4. Sheet M-100
- 5. Sheet M-101

August 28, 2024

END ADDENDUM NO. 1



Meeting Date: August 19th

MEETING MINUTES

PREBID MEETING

State of Missouri

Office of Administration, Division of Facilities Management, Design and Construction

Project: HVAC Repairs, Blade & Paint Shop Building 00029, Army Aviation Site (AVCRAD)

Project No.: **T2329-01**

Meeting Attendees:

MS Mike Smith, Project Manager, MONG

PM Paul McBride, MONG

VM Vicki Mayo, Allen's Mechanical

TG Thomas Gray, Project Manager, Core Insulation

TM Tim Mooneyham, Estimator, Midwest Materials

DC Dylan Chorice, Principal Engineer, Buxton Kubik Dodd Design Collective

Discussion Notes:

- 1) The meeting was held in person at the AVCRAD facility.
- 2) MS went through the project manual bid requirements including all submission procedures, safety information, badging requirements, and working timeframe.
- 3) Mandy Roberson will be the Contract specialist on this job
- 4) DC discussed the plans including bid alternates and project designations
- 5) A site walk followed the meeting.
- 6) All questions must be submitted by September 3rd to be incorporated into an addendum document.

End of Meeting Minutes

SECTION 220553 - MECHANICAL IDENTIFICATION

PART 1 GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. This Section includes the following mechanical identification materials and their installation:
 - 1. Stencils.

1.03 QUALITY ASSURANCE

A. ASME Compliance: Comply with ASME A13.1, "Scheme for the Identification of Piping Systems," for letter size, length of color field, colors, and viewing angles of identification devices for piping.

1.04 COORDINATION

- A. Coordinate installation of identifying devices with completion of covering and painting of surfaces where devices are to be applied.
- B. Install identifying devices before installing acoustic ceilings and similar concealment.

PART 2 PRODUCTS

2.01 STENCILS

- A. Stencils: Prepared with letter sizes according to ASME A13.1 for piping; minimum letter height of 1-1/4 inches for ducts; and minimum letter height of 3/4 inch for access panel and door markers, equipment markers, equipment signs, and similar operational instructions.
 - 1. Contractor to replicate stencil lettering on any and all ducts where jacketing will cover existing lettering.
 - 2. Stencil Material: Metal or fiberboard.
 - 3. Stencil Paint: Exterior, gloss, alkyd enamel black, unless otherwise indicated. Paint may be in pressurized spray-can form.

4. Identification Paint: Exterior, alkyd enamel in colors according to ASME A13.1, unless otherwise indicated.

PART 3 EXECUTION

3.01 APPLICATIONS, GENERAL

A. Products specified are for applications referenced in other Division 15 Sections. If more than single-type material, device, or label is specified for listed applications, selection is Installer's option.

END OF SECTION

SECTION 230713 - DUCT JACKETING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes semirigid and flexible duct, plenum, insulation; insulating cements; field-applied jackets; accessories and attachments; and sealing compounds.

1.3 SUBMITTALS

- A. Product Data: Identify thermal conductivity, thickness, and jackets (both factory and field applied, if any), for each type of product indicated.
- B. Material Test Reports: From a qualified testing agency acceptable to authorities having jurisdiction indicating, interpreting, and certifying test results for compliance of insulation materials, sealers, attachments, cements, and jackets with requirements indicated. Include dates of tests.
- C. Installer Certificates: Signed by the Contractor certifying that installers comply with requirements.
- D. Packaging: Ship materials in containers marked by manufacturer with appropriate ASTM specification designation, type and grade, and maximum use temperature.

1.4 COORDINATION

A. Coordinate clearance requirements with duct Installer for insulation application.

1.5 SCHEDULING

A. Schedule insulation application after testing duct systems. Insulation application may begin on segments of ducts that have satisfactory test results.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide .020 aluminum (for base bid) or PVC (for bid alternate sections) products by one of the following:

DUCT JACKETING 230713 - 1

- 1. Johns Manville
- 2. Ideal Products
- 3. RPR Products

2.2 ACCESSORIES AND ATTACHMENTS

- A. Bands: For base bid, 3/4 inch wide, in one of the following materials compatible with jacket:
 - Aluminum: 0.020 Mil thick
 Stainless Steel: 0.020 Mil thick
- B. Permaweld Liquid Adhesive: For PVC bid alternates 1&2.
- C. Self-Adhesive Anchor Pins and Speed Washers: Galvanized steel plate, pin, and washer

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions for compliance with requirements for installation and other conditions affecting performance of insulation application.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Surface Preparation: Clean and dry surfaces to receive insulation. Remove materials that will adversely affect insulation application.

3.3 GENERAL APPLICATION REQUIREMENTS

- A. Apply jacketing materials, accessories, and finishes according to the manufacturer's written instructions; with smooth, straight, and even surfaces; and free of voids throughout the length of ducts and fittings.
- B. Use accessories compatible with jacketing materials and suitable for the service. Use accessories that do not corrode, soften, or otherwise attack jacket in either wet or dry state.
- C. Seal joints and seams with banding on jacketing indicated.
- D. Keep jacketing materials dry during application and finishing.

DUCT JACKETING 230713 - 2

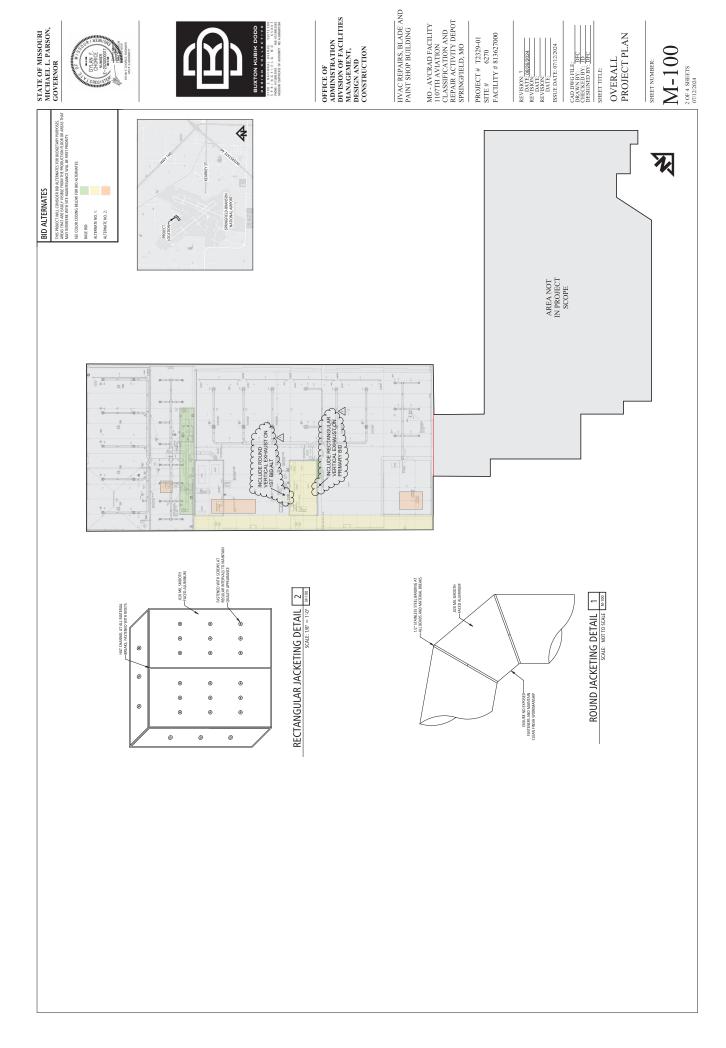
- E. Apply jacketing with tight longitudinal seams and end joints. Bond seams and joints with adhesive recommended by the insulation material manufacturer.
- F. Apply jacketing with the least number of joints practical.
- G. Apply jacketing over fittings and specialties, with continuous thermal and vapor-retarder integrity, unless otherwise indicated.
- H. Floor Penetrations: Terminate jacketing at underside of floor assembly and at floor support at top of floor.

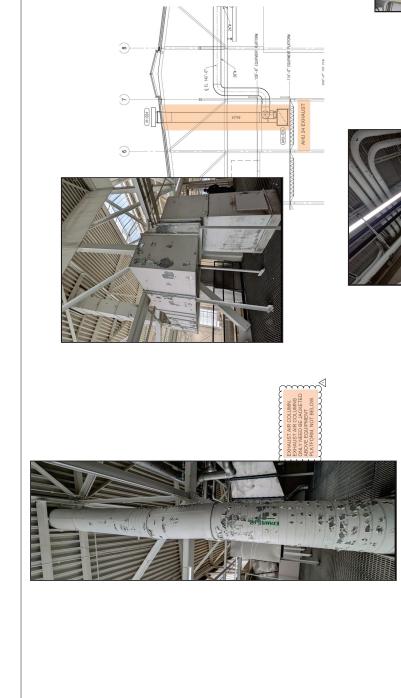
3.4 FINISHES

- A. Aluminum Base Bid
- B. PVC Alternate Number 1, and Alternate Number 2

END OF SECTION 230713

DUCT JACKETING 230713 - 3





MECHANICAL GENERAL NOTES:

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR

- ALL INSTALLATIONS SHALL CONFORM TO THE 2018 INTERNATIONAL MECHANICAL CODE AND THE CURRENT ADOPTIVE ORDINANCES IN FOR SPRINGFIELD, MO.
- I. CLOSELY COORDINATE ALL WORK WITH ALL OTHER TRADES.

JACKETING GENERAL REQUIREMENTS

ALL MATERIALS IN RETURN AIR PLENUMS SHALL BE LESTED AND LAB AS HAWING A HAME SPEECD INDEX OF NOT MROC THAN 35 AND A SMOXED EVELOPED INDEX OF NOTE MORE THAN 50. PER SECTION INC. 2018.

BID ALTERNATES

THIS PROJECT WILL CONSIDER BID ALTERNATES FOR BUDGETARY PURPOSES. AREAS THAT ARE EASILY VISIBLE FROM THE PRODUCTION FLOOR OR AREAS: MAY INTERFERE WITH SITE MAINTENANCE WILL BE FIRST PRIORITY.



MECHANICAL JACKETING PLAN

FIRST FLOOR SOUTH OFFICES AND STORAGE

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(9)

M-101

MECHANICAL INSULATION PLAN 1 SCALE: 178" = 11-0" M-101

OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

HVAC REPAIRS, BLADE AND PAINT SHOP BUILDING

MO - AVCRAD FACILITY 1107TH AVIATION CLASSIFICATION AND REPAIR ACTIVITY DEPOT SPRINGFIELD, MO

PROJECT # T2329-01 SITE # 6270 FACILITY # 813627000

REVISION: 1
DATE: 08/26/2024
REVISION: DATE: DATE: DATE: DATE: DATE: 07/12/2024

CAD DWG FILE; DRAWN BY; DFC CHECKED BY; JD DESIGNED BY: DFC

SHEET NUMBER: