

**SECTION 00 91 03**

**ADDENDUM 003**

DATE: November 15, 2024

RE: Public Works - Administration Building  
City of Sherwood  
Sherwood, Arkansas

Architect Engineer Project No. 2023-249\_10

FROM: CROMWELL ARCHITECT ENGINEERS, INC.  
1300 East 6th Street  
Little Rock, Arkansas 72202

TO: BIDDERS OF RECORD

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated September 23, 2024, as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

Each item in Contract Documents complements each of the other Contract Documents. No sheet, section, or document is to be followed without referring to all sheets, sections, and parts of the Contract Documents.

This Addendum consists of the following Documents and Revisions.

**CHANGES TO PROCUREMENT AND CONTRACTING REQUIREMENTS:**

- 1: Replace Section 00 01 10 - Table of Contents with revised Section issued with this Addendum.
- 2: Insert (this) Section 00 91 03 - Addendum 003 issued with this Addendum.

**CHANGES TO SPECIFICATIONS:**

- 3: Replace Door Hardware Sets Attachment with revised issued with this Addendum.
- 4: Replace Section 22 07 19 - Plumbing Piping Insulation with revised Section issued with this Addendum.

**CHANGES TO DRAWINGS:**

- 5: Insert the attached revised and/or new Drawings issued with this Addendum dated with original issue date:

Sheet	Title/Description	Issue Date	Revision No.
<b>GENERAL INFORMATION</b>			
G-002-A	INDEX, SYMBOLS, & ABBREV.	09/23/2024	3

Public Works – Administration Building  
City of Sherwood  
Sherwood, Arkansas

2023-249\_10  
September 2024

**ARCHITECTURAL**

A-620-A DOOR SCHEDULE

09/23/2023 2

**MECHANICAL**

M-101-A PUBLIC WORKS, POLICE AND FIRE ADMIN BUILDING  
MECHANICAL PLAN

09/23/2024 3

**END OF SECTION**

**SECTION 00 01 10**  
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**MODIFICATIONS**

New sections indicated by [\*Addm00X], bold print and underline.

Modified sections indicated by [\*Addm00X] and underline.

Deleted sections indicated by [\*Addm00X] and strikethrough.

**PROCUREMENT AND CONTRACTING REQUIREMENTS**

**DIVISION 00 -- PROCUREMENT AND CONTRACTING REQUIREMENTS**

00 01 05 - Certifications Page

00 01 10 - Table of Contents [\*Addm001] [\*Addm002] [\*Addm003]

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00 41 00 - Bid Proposal Form [\*Addm001]

00 50 00 - Contracting Forms and Supplements

00 72 00 - General Conditions

AIA Document A201-2017 General Conditions of the Contract for Construction

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**00 91 03 - Addendum 003** [\*Addm003]

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**END OF SECTION**

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## DOOR HARDWARE SETS

- A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.
1. Quantities listed are for each pair of doors, or for each single door.
  2. The supplier is responsible for handing and sizing all products.
  3. Where multiple options for a piece of hardware are given in a single line item, the supplier shall provide the appropriate application for the opening.
- B. Manufacturer's Abbreviations:
1. MK - McKinney
  2. PE - Pemko
  3. YA - ASSA ABLOY ACCENTRA
  4. RU - Corbin Russwin
  5. RO - Rockwood
  6. SU - Securitron

### **Hardware Sets**

#### **Set: 1.0**

Doors: 101

1. All Hardware by the Storefront Manufacturer.

#### **Set: 2.0**

Doors: 122A, 122B

1. All Hardware by the Storefront Manufacturer.

Notes: Exit device with electric latch retraction for access control. Credential reader wiring of the door position switch and request to exit by security contractor. Door is normally closed, latched and secured. Valid credential for ingress, free egress at all times. Co-ordinate with security and electrical. Threshold and weatherstrip by the aluminum door supplier.

**Set: 3.0**

Doors: 101A

1 Continuous Hinge	BSPFM(Per Dr Hgt) SLI or F-HD1	PE
1 Continuous Hinge	BSPFM(Per Dr Hgt) SLI or F-HD1 SER	PE
1 <del>Concealed</del> -Exposed Vert Rod Exit, Exit Only	6220 EO	BSP YA
1 <del>Concealed</del> -Exposed Vert Rod Exit, Classroom	6220 503F K840	BSP YA
2 Pull	RM201 Mtg-Type 1XHD	BSP RO
2 Surface Closer	5831	BSP YA
1 ElectroLynx Harness	QC-C*** As Req'd	MK
1 ElectroLynx Harness	QC-C***P Per Door Size	MK
1 Power Supply	AQL as Req'd	SU

Notes: Exit device with electric latch retraction on one leaf for access control. Credential reader wiring of the door position switch and request to exit by security contractor. Door is normally closed, latched and secured. Valid credential for ingress, free egress at all times. Co-ordinate with security and electrical.

**Set: 4.0**

Doors: 120C

1. All Hardware by the Storefront Manufacturer.

**Set: 5.0**

Doors: 117

2 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D MK
1 Hinge, Full Mortise	TA2714 QC12 4-1/2" x 4-1/2"	US26D MK
1 Fail Secure Lock	AU 4791LN K800	626 YA
1 Surface Closer	5801	689 YA
1 Wall Stop	409	US32D RO
1 ElectroLynx Harness	QC-C*** As Req'd	MK
1 ElectroLynx Harness	QC-C***P Per Door Size	MK
1 Power Supply	AQL as Req'd	SU

Notes: Electrified lock for access control. Credential reader, wiring of the door position switch and request to exit by security contractor. Door is normally closed, latched and secured. Valid credential for ingress, free egress at all times. Co-ordinate with security and electrical.

**Set: 6.0**

Doors: 119

3 Hinge, Full Mortise	TA2714 QC12 4-1/2" x 4-1/2"	US26D MK
1 Fail Secure Lock	AU 4791LN K800	626 YA
1 Surface Closer	5831	689 YA
1 Kick Plate	K1050 10" CSK BEV	US32D RO
3 Silencer	608-RKW	RO
1 ElectroLynx Harness	QC-C*** As Req'd	MK
1 ElectroLynx Harness	QC-C***P Per Door Size	MK
1 Power Supply	AQL as Req'd	SU

Notes: Electrified lock for access control. Credential reader, wiring of the door position switch and request to exit by security contractor. Door is normally closed, latched and secured. Valid credential for ingress, free egress at all times. Co-ordinate with security and electrical.

**Set: 7.0**

Doors: 105, 107

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D MK
1 Storeroom or Closet Lock	AU 4705LN K800	626 YA
1 Surface Closer	5801	689 YA
1 Wall Stop	409	US32D RO
3 Silencer	608-RKW	RO

**Set: 8.0**

Doors: 108

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D MK
1 Storeroom or Closet Lock	AU 4705LN K800	626 YA
1 Kick Plate	K1050 10" CSK BEV	US32D RO
1 Wall Stop	409	US32D RO
3 Silencer	608-RKW	RO

**Set: 9.0**

Doors: 100, 102, 104, 113, 114, 116, 118

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D MK
1 Entry Lock	AU 4707LN K800	626 YA
1 Wall Stop	409	US32D RO
3 Silencer	608-RKW	RO
1 Coat Hook	RM801	US26D RO

**Set: 10.0**

Doors: 120A, 120B

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D MK
1 Classroom Lock	AU 4708LN K800	626 YA
1 Surface Closer	5831	689 YA
1 Kick Plate	K1050 10" CSK BEV	US32D RO
1 Gasketing	319CS	PE
1 Automatic Door Bottom	STC4131CPK	PE

**Set: 11.0**

Doors: 103

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D MK
1 Classroom Lock	AU 4708LN K800	626 YA
1 Surface Closer	5801	689 YA
1 Wall Stop	409	US32D RO
3 Silencer	608-RKW	RO

**Set: 12.0**

Doors: 115

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D MK
1 Classroom Lock	AU 4708LN K800	626 YA
1 Wall Stop	409	US32D RO
3 Silencer	608-RKW	RO

**Set: 13.0**

Doors: 103A, 106

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D MK
1 Passage Latch	AU 4701LN	626 YA
1 Wall Stop	409	US32D RO
3 Silencer	608-RKW	RO

**Set: 14.0**

Doors: 109, 112

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D MK
1 Privacy Lock	AU 4702LN	626 YA
1 Surface Closer	5801	689 YA
1 Wall Stop	409	US32D RO
3 Silencer	608-RKW	RO

**Set: 15.0**

Doors: 110, 111

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D MK
1 Pull	RM301 Mtg-Type 1XHD	US32D RO
1 Push Plate	70E	US32D RO
1 Surface Closer	5801	689 YA
1 Kick Plate	K1050 10" CSK BEV	US32D RO
1 Wall Stop	409	US32D RO
3 Silencer	608-RKW	RO

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**SECTION 22 07 19**  
**PLUMBING PIPING INSULATION**

**PART 1 GENERAL**

**1.01 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

**1.02 SECTION INCLUDES**

- A. Glass fiber insulation.
- B. Jackets and accessories.

**1.03 RELATED REQUIREMENTS**

- A. Section 07 84 00 - Firestopping.
- B. Section 22 10 05 - Plumbing Piping: Placement of hangers and hanger inserts.

**1.04 REFERENCE STANDARDS**

- A. ASTM B209/B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2021.
- B. ASTM C177 - Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus; 2019.
- C. ASTM C518 - Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus; 2021.
- D. ASTM C552 - Standard Specification for Cellular Glass Thermal Insulation; 2021a.
- E. ASTM C585 - Standard Practice for Inner and Outer Diameters of Thermal Insulation for Nominal Sizes of Pipe and Tubing; 2010 (Reapproved 2016).
- F. ASTM C795 - Standard Specification for Thermal Insulation for Use in Contact with Austenitic Stainless Steel; 2008 (Reapproved 2018).
- G. ASTM D2842 - Standard Test Method for Water Absorption of Rigid Cellular Plastics; 2019.
- H. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2021a.
- I. ASTM E96/E96M - Standard Test Methods for Water Vapor Transmission of Materials; 2016.
- J. UL 723 - Standard for Test for Surface Burning Characteristics of Building Materials; Current Edition, Including All Revisions.

**1.05 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide product description, thermal characteristics, list of materials and thickness for each service, and locations.
- C. Manufacturer's Instructions: Indicate installation procedures that ensure acceptable workmanship and installation standards will be achieved.

**1.06 QUALITY ASSURANCE**

- A. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with not less than three years of documented experience.

**1.07 DELIVERY, STORAGE, AND HANDLING**

- A. Accept materials on site, labeled with manufacturer's identification, product density, and thickness.

**1.08 FIELD CONDITIONS**

- A. Maintain ambient conditions required by manufacturers of each product.

- B. Maintain temperature before, during, and after installation for minimum of 24 hours.

## **PART 2 PRODUCTS**

### **2.01 REGULATORY REQUIREMENTS**

- A. Surface Burning Characteristics: Flame spread index/Smoke developed index of 25/50, maximum, when tested in accordance with ASTM E84 or UL 723.

### **2.02 GLASS FIBER**

- A. Insulation: ASTM C547 and ASTM C795; rigid molded, noncombustible.
  - 1. K Value: ASTM C177, 0.24 at 75 degrees F.
  - 2. Maximum Service Temperature: 850 degrees F.
  - 3. Maximum Moisture Absorption: 0.2 percent by volume.
- B. Insulation: ASTM C547 and ASTM C795; semi-rigid, noncombustible, end grain adhered to jacket.
  - 1. K Value: ASTM C177, 0.24 at 75 degrees F.
  - 2. Maximum Service Temperature: 650 degrees F.
  - 3. Maximum Moisture Absorption: 0.2 percent by volume.
- C. Vapor Barrier Jacket: White Kraft paper with glass fiber yarn, bonded to aluminized film; moisture vapor transmission when tested in accordance with ASTM E96/E96M of 0.02 perm-inches.

### **2.03 JACKETS**

- A. PVC Plastic.
  - 1. Manufacturers:
    - a. Johns Manville Corporation: [www.jm.com/#sle](http://www.jm.com/#sle).
    - b. Substitutions: See Section 01 60 00 - Product Requirements.
  - 2. Jacket: One piece molded type fitting covers and sheet material, off-white color.
    - a. Minimum Service Temperature: 0 degrees F.
    - b. Maximum Service Temperature: 150 degrees F.
    - c. Moisture Vapor Permeability: 0.002 perm inch, maximum, when tested in accordance with ASTM E96/E96M.
    - d. Thickness: 10 mil.
    - e. Connections: Brush on welding adhesive.
- ~~B. Aluminum Jacket: ASTM B209 (ASTM B209M) formed aluminum sheet.
  - 1. Thickness: 0.016 inch sheet.
  - 2. Finish: Smooth.
  - 3. Joining: Longitudinal slip joints and 2 inch laps.
  - 4. Fittings: 0.016 inch thick die shaped fitting covers with factory attached protective liner.
  - 5. Metal Jacket Bands: 3/8 inch wide; 0.015 inch thick aluminum.~~

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify that piping has been tested before applying insulation materials.
- B. Verify that surfaces are clean and dry, with foreign material removed.

### **3.02 INSTALLATION**

- A. Install in accordance with manufacturer's instructions.
- B. Install in accordance with North American Insulation Manufacturers Association (NAIMA) National Insulation Standards.
- C. Exposed Piping: Locate insulation and cover seams in least visible locations.



- D. Insulated pipes conveying fluids below ambient temperature: Insulate entire system including fittings, valves, unions, flanges, strainers, flexible connections, pump bodies, and expansion joints.
- E. Glass fiber insulated pipes conveying fluids below ambient temperature:
  - 1. Provide vapor barrier jackets, factory-applied or field-applied. Secure with self-sealing longitudinal laps and butt strips with pressure sensitive adhesive. Secure with outward clinch expanding staples and vapor barrier mastic.
  - 2. Insulate fittings, joints, and valves with molded insulation of like material and thickness as adjacent pipe. Finish with glass cloth and vapor barrier adhesive or PVC fitting covers.
- F. For hot piping conveying fluids over 140 degrees F, insulate flanges and unions at equipment.
- G. Glass fiber insulated pipes conveying fluids above ambient temperature:
  - 1. Provide standard jackets, with or without vapor barrier, factory-applied or field-applied. Secure with self-sealing longitudinal laps and butt strips with pressure sensitive adhesive. Secure with outward clinch expanding staples.
  - 2. Insulate fittings, joints, and valves with insulation of like material and thickness as adjoining pipe. Finish with glass cloth and adhesive or PVC fitting covers.
- H. Inserts and Shields:
  - 1. Application: Piping 1-1/2 inches diameter or larger.
  - 2. Shields: Galvanized steel between pipe hangers or pipe hanger rolls and inserts.
  - 3. Insert Location: Between support shield and piping and under the finish jacket.
  - 4. Insert Configuration: Minimum 6 inches long, of same thickness and contour as adjoining insulation; may be factory fabricated.
- I. Continue insulation through walls, sleeves, pipe hangers, and other pipe penetrations. Finish at supports, protrusions, and interruptions. At fire separations, refer to Section 07 84 00.
- J. Pipe Exposed in Mechanical Equipment Rooms or Finished Spaces (less than 7 feet (2 meters) above finished floor): Finish with ~~aluminum~~ PVC jacket.
- K. Exterior Applications: Provide vapor barrier jacket. Insulate fittings, joints, and valves with insulation of like material and thickness as adjoining pipe, and finish with glass mesh reinforced vapor barrier cement. Cover with aluminum jacket with seams located on bottom side of horizontal piping.
- L. Heat Traced Piping: Insulate fittings, joints, and valves with insulation of like material, thickness, and finish as adjoining pipe. Size large enough to enclose pipe and heat tracer. Cover with aluminum jacket with seams located on bottom side of horizontal piping.

### 3.03 SCHEDULES

- A. Plumbing Systems:
  - 1. Domestic Hot Water Supply and Recirculation:
    - a. Glass Fiber Insulation:
      - 1) Pipe Size Range: 2 inch and smaller.
        - (a) Thickness: 1 inch.
      - 2) Pipe Size Range: Over 2 inch (50 mm).
        - (a) Thickness: 1.5 inch (40 mm).
  - 2. Domestic Cold Water:
    - a. Glass Fiber Insulation:
      - 1) Pipe Size Range: All Sizes
        - (a) Thickness: 1 inch (25 mm).
  - 3. Roof Drain Bodies:
    - a. Glass Fiber Insulation:
      - 1) Pipe Size Range: All Sizes
        - (a) Thickness: 1 inch (25 mm).
  - 4. Roof Drainage Above Grade:

- a. Glass Fiber Insulation:
  - 1) Pipe Size Range: All Sizes
    - (a) Thickness: 1 inch (25 mm).
- B. Other Systems:
  - 1. Heat Maintenance Cable:
    - a. Per Manufacturer's instructions.
  - 2. Piping Exposed to Freezing with Heat Tracing:
    - a. Per Manufacturer's instructions.
  - 3. Handicap Fixture Traps, Stops and Supplies:
    - a. Manufactured Glass Fiber covering with PVC jacket. (Refer to Fixture Schedules).
  - 4. Provide aluminum jacket for all piping exposed to weather or damp locations.

**END OF SECTION**