

## **ADDENDUM NO. 1**

**TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI**

**George Washington Carver State Office Bldg.,  
Replace Multiple Electronic Systems  
1616 Missouri Blvd.,  
Jefferson City, MO 65109  
PROJECT NO. 02427-01**

**Bid Opening Date:** 1:30 PM, August 19, 2025 (Not Changed)

**Bidders are hereby informed of the following:**

### **SPECIFICATION CHANGES:**

Specification 078413 - Penetration Firestopping; added specification.

Specification 013300 - Submittals, Article 3.1.A;

replace:

07841	Firestop Systems	Certification
07841	Firestop Systems	Operation / Maintenance Manual
07841	Firestop Systems	Product Data

with:

078413	Penetration Firestopping	Certification
078413	Penetration Firestopping	Operation / Maintenance Manual
078413	Penetration Firestopping	Product Data

### **DRAWING CHANGES:**

(Not Changed)

### **BIDDER QUESTIONS AND RESPONSES:**

(Not Changed)

### **GENERAL:**

1. A non-mandatory pre-bid meeting is scheduled for 10:00 PM, August 1, 2025, at Harry S. Truman Building, Conference Room 750.
2. Please contact Paul Girouard, Contract Specialist, at 573-751-4797 or [Paul.Girouard@oa.mo.gov](mailto:Paul.Girouard@oa.mo.gov) for questions about bidding procedures, MBE\WBE\SDVE Goals, and other submittal requirements.
3. The deadline for technical questions is August 11, 2025, at Noon.
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. Current Plan Holders list available online at: [Bid Listing/ Electronic Plans \(Projects Currently Bidding\) | Office of Administration \(mo.gov\)](#) O242701 – George Washington Carver State Office Building.
7. Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 7A, Columbia MO 65203, 573-446-7768 to order official plans and specifications.
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 a bid amount for the alternates. 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.

**ATTACHMENTS:**

1. Revised Specification Section 000110 - Table of Contents
2. Revised Specification Section 013300 - Submittals
3. Added Specification Section 078413 - Penetration Firestopping

By the Order of:

Fred L. Decker Jr., Project Manager  
Division of Facilities Management,  
Design and Construction  
July 25, 2025

**END ADDENDUM NO. 1**

## TABLE OF CONTENTS

<b>SECTION</b>	<b>TITLE</b>	<b>NUMBER OF PAGES</b>
<b>DIVISION 00 – PROCUREMENT AND CONTRACTING INFORMATION</b>		
<b>000000</b>	<b>INTRODUCTORY INFORMATION</b>	
000101	Project Manual Cover	1
000107	Professional Seals and Certifications	1
000110	Table of Contents	2
000115	List of Drawings	1
<b>001116</b>	<b>INVITATION FOR BID (IFB) plus Missouri Buys instructions and special notice</b>	<b>3</b>
<b>002113</b>	<b>INSTRUCTIONS TO BIDDERS (Includes MBE/WBE/SDVE Information)</b>	<b>8</b>
003144	MBE/WBE/SDVE Directory	1
<b>**The following documents may be found on MissouriBUYS at <a href="https://missouribuyss.mo.gov/">https://missouribuyss.mo.gov/</a>**</b>		
<b>004000</b>	<b>PROCUREMENT FORMS &amp; SUPPLEMENTS</b>	
004113	Bid Form	*
004322	Unit Prices Form	*
004336	Proposed Subcontractors Form	*
004337	MBE/WBE/SDVE Compliance Evaluation Form	*
004338	MBE/WBE/SDVE Eligibility Determination Form for Joint Ventures	*
004339	MBE/WBE/SDVE Good Faith Effort (GFE) Determination Forms	*
004340	SDVE Business Form	*
004541	Affidavit of Work Authorization	*
004545	Anti-Discrimination Against Israel Act Certification form	*
<b>005000</b>	<b>CONTRACTING FORMS AND SUPPLEMENTS</b>	
005213	Construction Contract	3
005414	Affidavit for Affirmative Action	1
006113	Performance and Payment Bond	2
006325	Product Substitution Request	2
006519.16	Final Receipt of Payment and Release Form	1
006519.18	MBE/WBE/SDVE Progress Report	1
006519.21	Affidavit of Compliance with Prevailing Wage Law	1
<b>007000</b>	<b>CONDITIONS OF THE CONTRACT</b>	
007213	General Conditions	20
007300	Supplementary Conditions	1
007346	Wage Rate	4
<b>DIVISION 1 - GENERAL REQUIREMENTS</b>		
011000	Summary of Work	3
012600	Contract Modification Procedures	2
013100	Coordination	4
013115	Project Management Communications	4
013200	Schedules	4
013300	Submittals	5
013513.10	Site Security and Health Requirements (OA)	5
015000	Construction Facilities and Temporary Controls	7
017400	Cleaning	3

**TECHNICAL SPECIFICATIONS INDEX:** (Division 2 through 49 insert as required)**DIVISION 7 - THERMAL AND MOISTURE PROTECTION**

078413	Penetration Firestopping	4
--------	--------------------------	---

**DIVISION 26 - ELECTRICAL**

260500	Common Work Results for Electrical	3
260519	Low Voltage Electrical Power Conductors and Cables	3
260526	Grounding and Bonding for Electrical Systems	3
260529	Hangers and Supports for Electrical Systems	4
260533	Raceways and Boxes for Electrical Systems	3
260553	Identification for Electrical Systems	3

**DIVISION 28 – ELECTRONIC SAFETY AND SECURITY**

280500	Common Work Results for Electronic Safety and Security	2
280513	Conductors and Cables for Electronic Safety and Security	5
283111	Digital Addressable Fire Alarm System	9
283200	Area of Refuge Communication System	4

**SECTION 013300 – SUBMITTALS****PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract including General and Supplementary Conditions, Bid Form, and other Division 1 Specification Sections apply to this Section.
- B. Division 1, Section 013115 “Project Management Communications” for administrative requirements for communications.

**1.2 SUMMARY**

- A. This Section includes administrative and procedural requirements for submittals required for performance of the Work including the following:
  - 1. Shop Drawings
  - 2. Product Data
  - 3. Samples
  - 4. Quality Assurance Submittals
  - 5. Construction Photographs
  - 6. Operating and Maintenance Manuals
  - 7. Warranties
- B. Administrative Submittals: Refer to General and Supplementary Conditions other applicable Division 1 Sections and other Contract Documents for requirements for administrative submittals. Such submittals include, but are not limited to, the following:
  - 1. Construction Progress Schedule including Schedule of Values
  - 2. Performance and Payment Bonds
  - 3. Insurance Certificates
  - 4. Applications for Payment
  - 5. Certified Payroll Reports
  - 6. Partial and Final Receipt of Payment and Release Forms
  - 7. Affidavit – Compliance with Prevailing Wage Law
  - 8. Record Drawings
  - 9. Notifications, Permits, etc.
- C. The Contractor is obliged and responsible to check all shop drawings and schedules to assure compliance with contract plans and specifications. The Contractor is responsible for the content of the shop drawings and coordination with other contract work. Shop drawings and schedules shall indicate, in detail, all parts of an Item or Work including erection and setting instructions and integration with the Work of other trades.
- D. The Contractor shall at all times make a copy, of all approved submittals, available on site to the Construction Representative.

### 1.3 SUBMITTAL PROCEDURES

- A. The Contractor shall comply with the General and Supplementary Conditions and other applicable sections of the Contract Documents. The Contractor shall submit, with such promptness as to cause no delay in his work or in that of any other contractors, all required submittals indicated in Part 3.1 of this section and elsewhere in the Contract Documents. Coordinate preparation and processing of submittals with performance of construction activities. Transmit each submittal sufficiently in advance of performance of related construction activities to avoid delay.
  - 1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
  - 2. Coordinate transmittal of different types of submittals for related elements of the Work so processing will not be delayed by the need to review submittals concurrently for coordination.
    - a. The Designer reserves the right to withhold action on a submittal requiring coordination with other submittals until all related submittals are received.
- B. Each drawing and/or series of drawings submitted must be accompanied by a letter of transmittal giving a list of the titles and numbers of the drawings. Each series shall be numbered consecutively for ready reference and each drawing shall be marked with the following information:
  - 1. Date of Submission
  - 2. Name of Project
  - 3. Location
  - 4. Section Number of Specification
  - 5. State Project Number
  - 6. Name of Submitting Contractor
  - 7. Name of Subcontractor
  - 8. Indicate if Item is submitted as specified or as a substitution

### 1.4 SHOP DRAWINGS

- A. Comply with the General Conditions, Article 3.2.
- B. The Contractor shall submit newly prepared information drawn accurately to scale. Highlight, encircle, or otherwise indicate deviations from the Contract Documents. Do not reproduce Contract Documents or copy standard information as the basis of Shop Drawings. Standard information prepared without specific reference to the Project is not a Shop Drawing.
- C. Shop Drawings include fabrication and installation drawings, setting diagrams, schedules, patterns, templates, and similar drawings including the following information:
  - 1. Dimensions
  - 2. Identification of products and materials included by sheet and detail number
  - 3. Compliance with specified standards
  - 4. Notation of coordination requirements

5. Notation of dimensions established by field measurement
6. Sheet Size: Except for templates, patterns and similar full-size Drawings, submit Shop Drawings on sheets at least 8½"x11" but no larger than 36"x48".

## 1.5 PRODUCT DATA

- A. The Contractor shall comply with the General Conditions, Article 3.2.
- B. The Contractor shall collect Product Data into a single submittal for each element of construction or system. Product Data includes printed information, such as manufacturer's installation instructions, catalog cuts, standard color charts, roughing-in diagrams and templates, standard wiring diagrams, and performance curves.
  1. Mark each copy to show applicable choices and options. Where printed Product Data includes information on several products that are not required, mark copies to indicate the applicable information including the following information:
    - a. Manufacturer's printed recommendations
    - b. Compliance with Trade Association standards
    - c. Compliance with recognized Testing Agency standards
    - d. Application of Testing Agency labels and seals
    - e. Notation of dimensions verified by field measurement
    - f. Notation of coordination requirements
  2. Do not submit Product Data until compliance with requirements of the Contract Documents has been confirmed.

## 1.6 SAMPLES

- A. The Contractor shall comply with the General Conditions, Article 3.2.
- B. The Contractor shall submit full-size, fully fabricated samples, cured and finished as specified, and physically identical with the material or product proposed. Samples include partial sections of manufactured or fabricated components, cuts or containers of materials, color range sets, and swatches showing color, texture, and pattern.
  1. The Contractor shall mount or display samples in the manner to facilitate review of qualities indicated. Prepare samples to match the Designer's sample including the following:
    - a. Specification Section number and reference
    - b. Generic description of the Sample
    - c. Sample source
    - d. Product name or name of the Manufacturer
    - e. Compliance with recognized standards
    - f. Availability and delivery time
  2. The Contractor shall submit samples for review of size, kind, color, pattern, and texture. Submit samples for a final check of these characteristics with other elements and a comparison of these characteristics between the final submittal and the actual component as delivered and installed.

- a. Where variation in color, pattern, texture, or other characteristic is inherent in the material or product represented, submit at least three (3) multiple units that show approximate limits of the variations.
  - b. Refer to other Specification Sections for requirements for samples that illustrate workmanship, fabrication techniques, details of assembly, connections, operation, and similar construction characteristics.
  - c. Refer to other Sections for samples to be returned to the Contractor for incorporation in the Work. Such samples must be undamaged at time of use. On the transmittal, indicate special requests regarding disposition of sample submittals.
  - d. Samples not incorporated into the Work, or otherwise designated as the Owner's property, are the property of the Contractor and shall be removed from the site prior to Substantial Completion.
3. Field samples are full-size examples erected onsite to illustrate finishes, coatings, or finish materials and to establish the Project standard.
- a. The Contractor shall comply with submittal requirements to the fullest extent possible. The Contractor shall process transmittal forms to provide a record of activity.

## 1.7 QUALITY ASSURANCE DOCUMENTS

- A. The Contractor shall comply with the General Conditions, Article 3.2
- B. The Contractor shall submit quality control submittals including design data, certifications, manufacturer's instructions, manufacturer's field reports, and other quality-control submittals as required under other Sections of the Specifications.
- C. Certifications: Where other Sections of the Specifications require certification that a product, material, or installation complies with specified requirements, submit a notarized certification from the Manufacturer certifying compliance with specified requirements.
  - 1. Signature: Certification shall be signed by an officer of the Manufacturer or other individual authorized to contractually bind the Company.
- D. Inspection and Test Reports: The Contractor shall submit the required inspection and test reports from independent testing agencies as specified in this Section and in other Sections of the Contract Documents.
- E. Construction Photographs: The Contractor shall submit record construction photographs as specified in this Section and in other Sections of the Contract Documents.
  - 1. The Contractor shall submit digital photographs. The Construction Administrator shall determine the quantity and naming convention at the preconstruction meeting.
  - 2. The Contractor shall identify each photograph with project name, location, number, date, time, and orientation.
  - 3. The Contractor shall submit progress photographs monthly unless specified otherwise. Photographs shall be taken one (1) week prior to submitting.
  - 4. The Contractor shall take four (4) site photographs from differing directions and a minimum of five (5) interior photographs indicating the relative progress of the Work.



**1.8 OPERATING AND MAINTENANCE MANUALS AND WARRANTIES**

- A. The Contractor shall submit all required manufacturer's operating instructions, maintenance/service manuals, and warranties in accordance with the General Conditions, Article 3.5, and Supplementary Conditions along with this and other Sections of the Contract Documents.

**PART 2 - PRODUCTS (Not Applicable)****PART 3 - EXECUTION****3.1 REQUIRED SUBMITTALS**

- A. Contractor shall submit the following information for materials and equipment to be provided under this contract.

SPEC SECTION	TITLE	CATEGORY
078413	Penetration Firestopping	Certification
078413	Penetration Firestopping	Operation / Maintenance Manual
078413	Penetration Firestopping	Product Data
013200	Schedules	Construction Schedule
013200	Schedules	List of Subcontractors
013200	Schedules	Major Material Suppliers
013200	Schedules	Schedule of Values
260519	Low Voltage Electrical Conductors and Cables	Product Data
260519	Low Voltage Electrical Conductors and Cables	Warranty
260529	Hangers and Supports for Electrical	Product Data
260533	Raceways and Boxes for Electrical	Product Data
260553	Identification for Electrical	Product Data
280513	Conductors and Cables for Electronic Safety and Security	Product Data
280513	Conductors and Cables for Electronic Safety and Security	Warranty
283111	Digital Addressable Fire Alarm Systems	Operation / Maintenance Manual
283111	Digital Addressable Fire Alarm Systems	Product Data
283111	Digital Addressable Fire Alarm Systems	Shop Drawings
283111	Digital Addressable Fire Alarm Systems	Test Report
283111	Digital Addressable Fire Alarm Systems	Warranty

SPEC SECTION	TITLE	CATEGORY
283200	Area of Refuge Communication Systems	Operation / Maintenance Manual
283200	Area of Refuge Communication Systems	Product Data
283200	Area of Refuge Communication Systems	Warranty

**END OF SECTION 013300**

## **SECTION 078413 - PENETRATION FIRESTOPPING**

### **PART 1 - GENERAL**

#### **1.1 SUMMARY**

- A. This Section includes through-penetration firestop systems for penetrations through fire-resistance-rated constructions, including both empty openings and openings containing penetrating items.

#### **1.2 SUBMITTALS**

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: For each through-penetration firestop system, submit documentation, including illustrations, from a qualified testing and inspecting agency, showing each type of construction condition penetrated, relationships to adjoining construction, and type of penetrating item.
  - 1. Where Project conditions require modification to a qualified testing and inspecting agency's illustration for a particular through-penetration firestop condition, submit illustration, with modifications marked, approved by through-penetration firestop system manufacturer's fire-protection engineer as an engineering judgment or equivalent fire-resistance-rated assembly.

#### **1.3 PERFORMANCE REQUIREMENTS**

- A. General: For penetrations through fire-resistance-rated constructions, including both empty openings and openings containing penetrating items, provide through-penetration firestop systems that are produced and installed to resist spread of fire according to requirements indicated, resist passage of smoke and other gases, and maintain original fire-resistance rating of construction penetrated.
- B. Rated Systems: Provide through-penetration firestop systems with the following ratings determined per ASTM E 814:
  - 1. F-Rated Systems: Provide through-penetration firestop systems with F-ratings indicated, but not less than that equaling or exceeding fire-resistance rating of constructions penetrated.
- C. For through-penetration firestop systems exposed to view, traffic, moisture, and physical damage, provide products that, after curing, do not deteriorate when exposed to these conditions both during and after construction.
  - 1. For floor penetrations with annular spaces exceeding 4 inches in width and exposed to possible loading and traffic, provide firestop systems capable of supporting floor loads involved, either by installing floor plates or by other means.

- D. For through-penetration firestop systems exposed to view, provide products with flame-spread and smoke-developed indexes of less than 25 and 450, respectively, as determined per ASTM E 84.

#### **1.4 QUALITY ASSURANCE**

- A. Installation Responsibility: Assign installation of through-penetration firestop systems and fire-resistive joint systems in Project to a single qualified installer.
- B. Fire-Test-Response Characteristics: Provide through-penetration firestop systems that comply with the following requirements and those specified in Part 1 "Performance Requirements" Article:
  - 1. Through-penetration firestop systems are identical to those tested per testing standard referenced in "Part 1 Performance Requirements" Article. Provide rated systems bearing classification marking of qualified testing and inspecting agency.
- C. Coordinate construction of openings and penetrating items to ensure that through-penetration firestop systems are installed according to specified requirements.

### **PART 2 - PRODUCTS**

#### **2.1 MANUFACTURERS**

- A. Products: Subject to compliance with requirements, provide one of the through-penetration firestop systems indicated for each application that are produced by one of the following manufacturers:
  - 1. Grace, W. R. & Co. - Conn.
  - 2. Hilti, Inc.
  - 3. Nelson Firestop Products.
  - 4. Specified Technologies, Inc. (STI)
  - 5. Tremco; Sealant/Weatherproofing Division.

#### **2.2 FIRESTOPPING**

- A. Compatibility: Provide through-penetration firestop systems that are compatible with one another; with the substrates forming openings; and with the items, if any, penetrating through-penetration firestop systems, under conditions of service and application, as demonstrated by through-penetration firestop system manufacturer based on testing and field experience.
- B. Accessories: Provide components for each through-penetration firestop system that are needed to install fill materials and to comply with Part 1 "Performance Requirements" Article. Use only components specified by through-penetration firestop system manufacturer and approved by qualified testing and inspecting agency for firestop systems indicated.

## **PART 3 - EXECUTION**

### **3.1 THROUGH-PENETRATION FIRESTOP SYSTEM INSTALLATION**

- A. General: Install through-penetration firestop systems to comply with Part 1 "Performance Requirements" Article and with firestop system manufacturer's written installation instructions and published drawings for products and applications indicated.
- B. Install forming/damming/backing materials and other accessories of types required to support fill materials during their application and in the position needed to produce cross-sectional shapes and depths required to achieve fire ratings indicated.
  - 1. After installing fill materials and allowing them to fully cure, remove combustible forming materials and other accessories not indicated as permanent components of firestop systems.
- C. Install fill materials for firestop systems by proven techniques to produce the following results:
  - 1. Fill voids and cavities formed by openings, forming materials, accessories, and penetrating items as required to achieve fire-resistance ratings indicated.
  - 2. Apply materials so they contact and adhere to substrates formed by openings and penetrating items.
  - 3. For fill materials that will remain exposed after completing Work, finish to produce smooth, uniform surfaces that are flush with adjoining finishes.
- D. Identification: Identify through-penetration firestop systems with preprinted metal or plastic labels. Attach labels permanently to surfaces adjacent to and within 6 inches of edge of the firestop systems so that labels will be visible to anyone seeking to remove penetrating items or firestop systems. Use mechanical fasteners for metal labels. Include the following information on labels:
  - 1. The words "Warning - Through-Penetration Firestop System - Do Not Disturb. Notify Building Management of Any Damage."
  - 2. Contractor's name, address, and phone number.
  - 3. Through-penetration firestop system designation of applicable testing and inspecting agency.
  - 4. Date of installation.
  - 5. Through-penetration firestop system manufacturer's name.
  - 6. Installer's name.

### **3.2 THROUGH-PENETRATION FIRESTOP SYSTEM SCHEDULE**

- A. Where UL-classified systems are indicated, they refer to alpha-alpha-numeric designations listed in UL's "Fire Resistance Directory" under product Category XHEZ.
- B. Firestop Systems with No Penetrating Items:
  - 1. UL-Classified System: C-AJ-0006.

- C. Firestop Systems for Metallic Pipes, Conduit, or Tubing:
  - 1. UL-Classified System: C-AJ-1022.
- D. Firestop Systems for Nonmetallic Pipe, Conduit, or Tubing:
  - 1. UL-Classified System: C-AJ-2042.
- E. Firestop Systems for Electrical Cables:
  - 1. UL-Classified System: C-AJ-3003.
- F. Firestop Systems for Cable Trays:
  - 1. UL-Classified System: C-AJ-4001.
- G. Firestop Systems for Insulated Pipes:
  - 1. UL-Classified System: C-AJ-5004.
- H. Firestop Systems for Miscellaneous Electrical Penetrants:
  - 1. UL-Classified System: C-AJ-6017.
- I. Firestop Systems for Miscellaneous Mechanical Penetrants:
  - 1. UL-Classified Systems: C-AJ-7005.

**END OF SECTION 078413**