

Addendum No. 02

TO: PLANS AND SPECIFICATIONS FOR:

**Annex Renovation
Combined Support Maintenance Shop
Ike Skelton Training Site
Jefferson City, MO
PROJECT NO. T2122-01**

Bid Opening Date is: 1:30 PM, Thursday, August 31st, 2023 (UNCHANGED)

Bidders are hereby informed that the construction plans and/or specifications are modified as follows:

APPROVED SUBSTITUTIONS:

A-Lert KR-24 Roofing
Alliance A-Lok 16 Roofing
RES-TEK, EPO-Guard (resinous flooring)
RES-TEK, EPO-Guard High Solid Epoxy (concrete sealant)

SPECIFICATION CHANGES:

Table of Contents

ADD: 083613 Overhead Sectional Doors (attached)

Section 013300 – Submittals

ADD: 3.1 – Overhead Sectional Doors submittals		
083613	Overhead Sectional Doors	Product Data
083613	Overhead Sectional Doors	Shop Drawings
083613	Overhead Sectional Doors	Warranty
083613	Overhead Sectional Doors	Operation / Maintenance Manual

Section 074113.16 – Standing Seam Metal Panels

ADD: 2.2.B.1.e. A-Lert, KR-24
ADD: 2.2.B.1.f. Alliance A-Lok 16

Section 099726 – Cementitious Clear Coatings

DELETE: Clear from the section title.
ADD: 2.2.B or color approved by architect
ADD: 2.1.A.4. RES-TEK, EPO-Guard

Section 096723 – Resinous Flooring

ADD: 2.1.A.1.a RES-TEK, EPO-Guard High Solid Epoxy

Section 083613 Overhead Sectional Doors

ADD: entire section

DRAWING CHANGES:

Drawing A-103 ROOF PLAN AND DETAILS

Detail 3

DELETE: STL MAU SUPPORTS, SEE STRUCT. DWGS.
KEYED NOTES: Note 8

DELETE: AND STRUCT. DWGS.

Drawing A-601 SCHEDULES AND LEGENDS

FINISH LEGEND

DELETE: (CLEAR) FROM CONC-1

Drawing M102 MECHANICAL FLOOR PLAN

Detail 1 – MECHANICAL FLOOR PLAN

DELETE: 4 thermostats on the west wall of WORK BAY 112.

GAS FIRED HEATER SCHEDULE

DELETE: 2ND RH-2 (designation)

ADD: RH-3 (designation)

DELETE: (NOTE 2) HEATERS SHALL BE CONTROLLED BY A SINGLE OR TWO-STAGE 24-7 PROGRAMMABLE DIGITAL THERMOSTATT, MOUNTED 4'-0" ABOVE THE FINISHED FLOOR.

ADD: (NOTE 2) ALL RADIANT HEATERS (RH-1, 2, & 3) SHALL BE INTERLOCKED AND CONTROLLED BY A SINGLE OR TWO-STAGE 24-7 PROGRAMMABLE DIGITAL THERMOSTAT, MOUNTED 4'-0" ABOVE THE FINISHED FLOOR.

Drawing M601 SCHEDULES AND LEGENDS

NEW DOAS ROOFTOP UNIT SCHEDULE (RTU): GAS FIRED HEATING (BASIS OF DESIGN)

DELETE: (NOTE 13) EXISTING TIME CLOCK TO ENABLE/DISABLE OPERATION OF DOAS RTU & XEF-15

ADD: (NOTE 13) EXISTING BAS SYSTEM TO ENABLE/DISABLE OPERATION OF DOAS RTU & XEF-15. SEE SEQUENCE OF OPERATIONS FOR FURTHER INFORMATION

DELETE: (ACCESSORIES: NOTE 10) DDC UNIT MOUNTED MICROPROCESSOR CONTROLLER, SINGEL ZONE VAV FUNCTION WITH DIGITAL INPUT TO SET FAN SPEED. 7-DAY PROGRAMMABLE FUNCTION, LEAVING AIR TEMP SENSOR.

ADD: (ACCESSORIES: NOTE 10) DDC UNIT MOUNTED MICROPROCESSOR CONTROLLER SHALL BE COMPATIBLE WITH EXISTING BAS SYSTEM. SEE SEQUENCE OF OPERATIONS.

Drawing M601 SCHEDULES AND LEGENDS

EXISTING EXHAUST FAN SCHEDULE

DELETE: (INSTALLATION NOTES: 4) TIME CLOCK

ADD: (INSTALLATION NOTES: 4) EXISTING BAS SYSTEM

DELETE: (INSTALLATION NOTES: 5) TIME CLOCK

ADD: (INSTALLATION NOTES: 5) EXISTING BAS SYSTEM

Drawing M601 SCHEDULES AND LEGENDS

EXISTING ROOFTOP UNIT SCHEDULE (RTU): GAS FIRED HEATING

DELETE: (NOTES: 1) TIME CLOCK

ADD: (NOTES: 1) EXISTING BAS SYSTEM

Drawing M601 SCHEDULES AND LEGENDS

SEQUENCE OF OPERATIONS (NEW RTU-2)

DELETE: (A GENERAL) TIME CLOCK

ADD: (A GENERAL) EXISTING BAS SYSTEM

ADD: (AFTER FIRST SENTENCE) OWNER HAS EXISTING BAS SYSTEM. NEW DOAS (RTU-2) SHALL BE INTEGRATED TO EXISTING BAS SYSTEM. CONTROLS CONTRACTOR SHALL PROVIDE ALL NEW WIRING, TERMINALS, AND PROGRAMMING AS REQUIRED TO ENSURE A COMPLETE AND OPERATIONS SL SYSTEM AS DESCRIBED IN THIS SEQUENCE."

DELETE: (C UNOCCUPIED HOURS: 1) TIME CLOCK

ADD: (C UNOCCUPIED HOURS: 1) EXISTING BAS SYSTEM

DELETE: (C UNOCCUPIED HOURS: 5) TIME CLOCK
ADD: (C UNOCCUPIED HOURS: 5) EXISTING BAS SYSTEM

DELETE: (C UNOCCUPIED HOURS: 6) TIME CLOCK
ADD: (C UNOCCUPIED HOURS: 6) EXISTING BAS SYSTEM

Drawing M601 SCHEDULES AND LEGENDS

SEQUENCE OF OPERATION: (EXISTING RTU-1)

DELETE: (A GENERAL:) THIS ROOFTOP UNIT SHALL BE ENABLE/DISABLED BY CONNECTION TO THE EXISTING TIE CLOCK. TIME CLOCK TO INITIATE OPERATIONS.

ADD: SEQUENCE OF OPERATIONS FOR EXISTING UNIT TO REMAIN AS IS. ONLY PERFORM MODIFICATIONS TO PROGRAMMING AS REQUIRED WITHIN THE SCOPE OF THIS PROJECT.

ATTACHMENTS:

1. Section 083613 – Coiling Overhead Doors

GENERAL COMMENTS:

1. The Pre-Bid Meeting was held August 17th, 2023 followed by a walk-through of the project site. The sign-in sheet is attached.
2. Bidders desiring to perform a site inspection should contact Alan Berendzen (573) 694-9226 to schedule a time to visit the facility.
3. Please contact Paul Girouard, Contract Specialist, at (573) 751-4797, Paul.girouard@oa.mo.gov for questions about bidding procedures, MBE\WBE\SDVE Goals, and other submittal requirements.
4. The deadline for technical questions is **noon on August 23rd, 2023.**
5. **Changes to, or clarification of, the bid documents are only made as issued in the addenda.**
6. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
7. Current Planholders list is available online at: <https://www.oafmdcplanroom.com/jobs/2115/plan-holders/t2122-01-renovate-combined-support-maintenance-shop-csms-annex-ike-skelton-training-site>
8. Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 7A, Columbia MO 65203, (573) 446-7768 to get plans and specifications.
9. **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 the alternate. Failure to do so will result in rejection of the bid.**
10. **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.**
11. **Alternate amounts shall be entered as the amount associated with the listed alternate and should not include the base bid amount.**

August 25, 2023

END ADDENDUM NO. 2

SECTION 083613 – OVERHEAD SECTIONAL DOORS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes electrically operated sectional doors.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type and size of sectional door and accessory.
- B. Shop Drawings: For each installation and for special components not dimensioned or detailed in manufacturer's product data.

1.3 INFORMATIONAL SUBMITTALS

- A. Sample warranty.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance data.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer for both installation and maintenance of units required for this Project.

1.6 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of sectional doors that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: Two years from date of Substantial Completion.
- B. Special Finish Warranty: Manufacturer agrees to repair or replace components that show evidence of deterioration of factory-applied finishes within specified warranty period.
 - 1. Warranty Period: 20 years from date of Substantial Completion.

2.1 PERFORMANCE REQUIREMENTS

- A. General Performance: Sectional doors shall comply with performance requirements specified without failure due to defective manufacture, fabrication, installation, or other defects in construction and without requiring temporary installation of reinforcing components.
- B. Structural Performance, Exterior Doors: Capable of withstanding the design wind loads.
 - 1. Design Wind Loads:
 - a. Ultimate: Windward – 28.7psi and Leeward – 36.2psi
 - b. Service: Windward – 17.2psi and Leeward – 21.7psi
- C. Seismic Performance: Sectional doors shall withstand the effects of earthquake motions determined according to ASCE/SEI 7-16

2.2 DOOR ASSEMBLY

- A. Steel Sectional Door: Sectional door formed with hinged sections and fabricated according to DASMA 102 unless otherwise indicated.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Clopay Building Products.
 - b. Overhead Door Corporation.
 - c. Wayne-Dalton Corp.
- B. Operation Cycles: Door components and operators capable of operating for not less than 50,000.
- C. Air Infiltration: Maximum rate of at 15 and 25 mph when tested according to ASTM E 283.
- D. Steel Sections: Zinc-coated (galvanized) steel sheet with zinc coating.
 - 1. Section Thickness: 2 inches.
 - 2. Exterior-Face Surface: Flat.
 - 3. Interior Facing Material: manufacturer's standard material.
- E. Weatherseals: Fitted to bottom and top and around entire perimeter of door.
- F. Windows: As indicated on drawings
- G. Locking Devices: Equip door with chain lock keeper.
- H. Electric Door Operator:

1. Usage Classification: Standard duty, up to 25 cycles per hour and up to 90 cycles per day.
2. Operator Type: Manufacturer's standard for door requirements.
3. Motor Exposure: Interior, clean, and dry.
4. Control Station: Interior-side mounted.

I. Door Finish:

1. Baked-Enamel or Powder-Coat Finish: Color and gloss as selected by Architect from manufacturer's full range.
2. Finish of Interior Facing Material: Finish as selected by Architect from manufacturer's full range.

2.3 STEEL DOOR SECTIONS

- A. Exterior Section Faces and Frames: Zinc-coated (galvanized), cold-rolled, commercial steel (CS) sheet.
 1. Roll horizontal meeting edges to a continuous, interlocking, keyed, rabbeted, shiplap, or tongue-in-groove weather-resistant seal, with a reinforcing flange return.
 2. For insulated doors, provide sections with continuous thermal-break construction, separating the exterior and interior faces of door.
- B. Section Ends and Intermediate Stiles: Enclose open ends of sections with channel end stiles formed from galvanized-steel sheet welded to door section. Provide intermediate stiles formed from galvanized-steel sheet, cut to door section profile, and welded in place. Space stiles not more than 48 inches apart.
- C. Reinforce bottom section with a continuous channel or angle conforming to bottom-section profile and allowing installation of astragal.
- D. Reinforce sections with continuous horizontal and diagonal reinforcement, as required to stiffen door and for wind loading. Provide galvanized-steel bars, struts, trusses, or strip steel, formed to depth and bolted or welded in place. Ensure that reinforcement does not obstruct vision lites.
- E. Provide reinforcement for hardware attachment.
- F. Thermal Insulation: Insulate interior of steel sections with door manufacturer's standard CFC-free insulation, with maximum flame-spread and smoke-developed indexes of 75 and 450, respectively, according to ASTM E 84. Enclose insulation completely within steel sections and the interior facing material, with no exposed insulation.

2.4 LOCKING DEVICES

- A. Chain Lock Keeper: Suitable for padlock.

2.5 ELECTRIC DOOR OPERATORS

- A. Usage Classification: Electric operator and components capable of operating for not less than number of cycles per hour indicated for each door.
- B. Door-Operator Type: Unit consisting of electric motor, gears, pulleys, belts, sprockets, chains, and controls needed to operate door and meet required usage classification.
- C. Motors: Reversible-type motor with controller (disconnect switch) for motor exposure indicated.
 - 1. Electrical Characteristics:
 - a. Volts: as indicated on drawings.
 - b. Hertz: 60.
 - 2. Motor Size: Minimum size as indicated. If not indicated, large enough to start, accelerate, and operate door in either direction from any position, at a speed not less than 8 in./sec. and not more than 12 in./sec., without exceeding nameplate ratings or service factor.
- D. Control Station: Three-button control station in fixed location with momentary-contact push-button controls labeled "Open" and "Stop" and sustained- or constant-pressure, push-button control labeled "Close."
 - 1. Interior-Mounted Units: Full-guarded, surface-mounted, heavy-duty type, with general-purpose NEMA ICS 6, Type 1 enclosure.
- E. Emergency Operation Disconnect Device: Equip operator with hand-operated disconnect mechanism for automatically engaging manual operator and releasing brake for emergency manual operation while disconnecting motor without affecting timing of limit switch. Mount mechanism so it is accessible from floor level. Include interlock device to automatically prevent motor from operating when emergency operator is engaged.
- F. Motor Removal: Design operator so motor may be removed without disturbing limit-switch adjustment and without affecting emergency manual operation.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install sectional doors and operating equipment complete with necessary hardware, anchors, inserts, hangers, and equipment supports; according to manufacturer's written instructions and as specified.
- B. Accessibility: Install sectional doors, switches, and controls along accessible routes in compliance with regulatory requirements for accessibility.
- C. Power-Operated Doors: Install automatic garage doors openers according to UL 325.

- D. Adjust hardware and moving parts to function smoothly so that doors operate easily, free of warp, twist, or distortion.

- E. Touch-up Painting: Immediately after welding galvanized materials, clean welds and abraded galvanized surfaces and repair galvanizing to comply with ASTM A 780/A 780M.

3.2 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain sectional doors.

END OF SECTION 083613