

Addendum 1

City of Canton, Ohio
Purchasing Department
218 Cleveland Ave. SW, 4th floor
Canton, Ohio 44702

FIRE STATION NO. 8 RENOVATION PROJECT - REBID

Item/Project

Fire Department

Responsible Department

2:00 PM, 1/12/2024

Bids Due

Bid Proposal Submitted By:

Company Name

Street Address

City

State

Zip

Contact Person

Phone No.

Email Address

THIS ADDENDUM IS A MODIFICATION OF THE BID DOCUMENT FOR THE WORK INCLUDED FOR THE ABOVE-NAMED PROJECT, AND IS HEREBY INCORPORATED INTO AND BECOME A PART OF SAID BID DOCUMENT. CHANGES AND CLARIFICATION AS FOLLOWS:

1. DRAWING A-2.1 – MAIN LEVEL DEMOLITION PLAN

A. ADD NOTE TO REMOVE EXISTING (2) SECTIONAL OVERHEAD DOORS ON EAST SIDE OF APPARATUS BAY. EXISTING OPERATORS TO REMAIN.

2. DRAWING A-4.1 – DOOR SCHEDULE

A. DOORS 100D AND 100E SHALL BE NEW 12'-0" HIGH X 13'-0" WIDE NOMINAL SECTIONAL OVERHEAD DOORS WITH NEW TRACKS. EXISTING ELECTRIC OPERATORS SHALL BE RE-USED. CONTRACTOR SHALL VERIFY EXACT DIMENSIONS FOR PROPER CLOSURE OF OPENING. SEE SPECIFICATION SECTION 08 36 13 – SECTIONAL OVERHEAD DOORS.

3. CONTRACTOR QUESTIONS

1) FOR AREAS WHERE THE OWNER IS TO FURNISH & INSTALL THE NEW LIGHT FIXTURES, THE DRAWINGS ARE A BIT VAGUE REGARDING WHERE EXACTLY THE EC'S WORK ENDS AND WHERE THE OWNER'S WORK WILL BEGIN. PER DISCUSSION AT THE PRE-BID MEETING WITH CITY OF CANTON MAINTENANCE, PLEASE CONFIRM THAT IN THESE AREAS THE EC IS TO BRING POWER (AND 0-10V WIRING WHERE NECESSARY) TO A CEILING JUNCTION BOX AT EVERY LIGHT FIXTURE, AND THE OWNER WILL BE PROVIDING AND INSTALLING ALL FIXTURE WHIPS FROM THESE JUNCTION BOXES TO THE LIGHTS.

RESPONSE: Correct, The contractor shall provide the lighting branch circuit power, lighting control devices, lighting control wiring and all pathways and backboxes. Wiring shall terminate at a junction box local to the lighting fixtures. Owner will furnish light fixtures indicated and provide power and control wire whip from fixture to local junction box. Junction boxes shall be installed such that luminaire whips required are a maximum of 6' in length.

2) IN RESTROOMS #206, 205A & 205B, SHEET E1-2 SHOWS NEW 1'X4' TYPE "R1" FIXTURES TO BE RECESSED IN A DRYWALL CEILING, BUT SHEET A-4.1 NOTES THAT THESE FIXTURES ARE SUSPENDED. PLEASE CONFIRM WHICH IS CORRECT, AND IF NECESSARY CONFIRM IF THE R1 LIGHT FIXTURE PART NUMBER ON THE LEGEND SHOULD INCLUDE DRYWALL MOUNTING FLANGES.

RESPONSE: Luminaire type R1 is intended to be a recessed fixture in drywall ceiling. Per General Luminaire Notes on sheet E0-2, the manufacturer's catalog series number is listed, fixtures shall be provided with required mounting accessories to accommodate installation in specified ceiling systems.

3) SHEET E0-2 SHOWS A MECHANICAL EQUIPMENT CONNECTION LEGEND WITH HOOK-UP INFORMATION FOR EXHAUST

FANS #1 THROUGH 5. THERE IS AN EF-15 SHOWN IN THE KITCHEN THAT IS NOT ON THIS LEGEND. PLEASE CLARIFY IF ANY ELECTRICAL WORK IS REQUIRED FOR EF-15.

RESPONSE: Exhaust fan EF-15 is an existing-to-remain exhaust fan associated with the kitchen hood system.

4) CAN THE BREAKER PANEL REPLACEMENTS BE DONE DURING NORMAL WORKING HOURS SINCE THE FIRE STATION IS NOT OCCUPIED?

RESPONSE: YES.

5) WILL A UTILITY COMPANY DISCONNECT BE REQUIRED WHEN REPLACING THE MAIN PANEL? IF SO, WILL THE OWNER BE PAYING THOSE FEES? IF EC IS TO COVER THIS COST, CAN AN ALLOWANCE AMOUNT BE GIVEN?

RESPONSE: Panelboard 'A' is to be a service-entrance rated panelboard with integral main over-current protection. An exterior service disconnect switch is not required.

6) WILL ANY FIRE ALARM RE-WORK BE REQUIRED? A SMOKE DETECTOR IS SHOWN IN LOCKER ROOM #201, BUT NO MODIFICATIONS ARE SHOWN.

RESPONSE: No fire alarm work is in the scope of this project. The facility has no building-wide fire alarm system. Detection is achieved via local, non-networked devices provided by the owner.

7) IN WATCH ROOM #111, ARE ALL (5) NEW QUAD RECEPTACLES INTENDED TO BE MOUNTED ABOVE THE NEW COUNTER? IF NOT, PLEASE CLARIFY WHICH LOCATIONS SHOULD BE INSTALLED BELOW IT.

RESPONSE: The (5) new quad receptacles are intended to be installed at 18" above-finished-floor level as indicated on Electrical Device Legend on sheet E0-1. Locations are to be coordinated with final casework layout.

8) MOST OF THE NEW STUD WALLS AND FURRING STRIPS HAVE ALREADY BEEN INSTALLED ON THE 2ND FLOOR FOR THE NEW BUNK ROOMS, AND SOME OF THESE ARE MOUNTED DIRECTLY OVER EXISTING ELECTRICAL BOXES THAT NEED TO BE COMPLETED REMOVED OR BE RE-WORKED. WILL THESE STUDS ETC BE REMOVED BY THE OWNER SO THE ELECTRICAL WORK CAN BE COMPLETED?

RESPONSE: Yes, Owner will remove wall framing where necessary to complete the Electrical work.

9) 2ND FLOOR BEDROOMS #202 & 203 SHOW PLAN NOTE #1 WHICH REQUIRES AFCI CIRCUIT BREAKERS FOR THE RECEPTACLES IN THESE ROOMS, AND ARE ASSUMED TO RE-USE EXISTING CIRCUIT(S). PLEASE CLARIFY HOW MANY ADDITIONAL AFCI CIRCUIT BREAKERS SHOULD BE ADDED TO THE NEW PANEL/SCHEDULE; IT DOES NOT APPEAR THESE CIRCUITS ARE INDICATED ON EITHER OF THE NEW PANELBOARD SCHEDULES.

RESPONSE: Rooms 202 & 203 are served by one branch circuit, believed to be existing circuit A:20. Provide one AFCI circuit breaker to serve rooms 202 & 203.

10) IN 2ND FLOOR RESTROOM #205A, CODED NOTE 3 ON SHEET E2-2 APPEARS TO BE OUT OF PLACE. PLEASE CONFIRM IF THIS IS A MISTAKE, AND IF THE SAME AREA NEEDS TO BE UPDATED ON THE DEMO PLAN ED-2 ACCORDINGLY.

RESPONSE: Plan note #3 shall be removed from sheet E2-2. Both existing receptacles on east wall of 205A are to be removed complete.

11) WILL ANY LOW VOLTAGE OR DATA ITEMS NEED TO BE RE-WORKED? THERE ARE VARIOUS WALL JACKS THAT APPEAR IN SOME OF THE AREAS WHERE WALLS ARE BEING FURRED OUT, BUT ONLY THE RECEPTACLES ARE SHOWN TO BE EXTENDED OUT INTO THE NEW WALL.

RESPONSE: Low-voltage system modifications are not part of the EC's scope. All modifications to the LV system will be by owner.

12) AT THE NORTHWEST CORNER OF BEDROOM F #210, AN EXISTING DUPLEX RECEPTACLE IN THE ROOM IS NOT SHOWN ON THE DEMO OR POWER PLANS. PLEASE CONFIRM THE INTENTIONS FOR THIS EXISTING ITEM.

RESPONSE: Provide scope indicated in plan note #10. Wire to same branch circuit as adjacent devices, indicated as A:44 on sheet E2-2.

13) SHEET E7-1 SHOWS DETAILS FOR ARC FLASH LABELS; HOWEVER, IT IS NOT CLEAR IF AN ARC FLASH STUDY IS REQUIRED TO BE COMPLETED AS A PART OF THE EC (OR GEAR MANUFACTURER'S) BID PACKAGE. ALSO, IT DOES NOT STATE WHETHER THE LABELS OR STUDY SHOULD BE DONE FOR ALL EQUIPMENT OR JUST FOR THE TWO NEW BREAKER PANELS. PLEASE VERIFY THE EXTENT OF WHAT SHOULD BE INCLUDED AS A PART OF THE BASE BID.

RESPONSE: An arc flash study shall be completed by the contractor to provide required arc flash warning label information at the two panelboards 'A' and 'EMA'.

14) 108 Restroom finish schedule call for FB-1 rubber base and FB-2 6x6 cove base

Response: Restroom 108 finish schedule indicates 6" FB-2 cove base.

15) 205 B (RE-2 A3.1) calls for 6x24 full height in shower is this typical for all other showers. I did not locate any literature on 6x24 tile.

Response: 6"x6" tile per tile layout TL-1/A-3.1 throughout restrooms 205A and 205B, including showers. Omit reference to 6"x24" tile.

16) 206 Restroom after shower pan is demoed out will new concrete be poured or will a mud bed or floating be required for proper pitch to drain.

Response: Existing concrete slab is to remain. Existing shower pan will be replaced with waterproofing and setting bed, sloped to drain.

17) 206 Restroom is shower curb entering shower and curb surrounding pan being removed.

Response: Entry shower curb is to remain. Existing shower pan and surrounding curb to be removed.

18) Is there any waterproofing membrane required

Response: Waterproofing will be required in all showers; Laticrete "Hydroban" system, or equal.

19) 205A & 205B will shower floors need a mudbed or floating for proper pitch to drain.

Response: Waterproofing and mortar setting bed with slope down to the drain.

SECTION 08 36 13 - SECTIONAL OVERHEAD DOORS

A. SUMMARY OF WORK

1. Motor operated sectional overhead doors, with accessories and components.

B. RELATED WORK

1. Opening preparation, miscellaneous or structural steel work, field painting are in the scope of work of other trades and divisions of these specifications.

C. REFERENCE STANDARDS

1. ANSI/DASMA 102 - American National Standards Institute [A216.1] Specifications for sectional overhead doors published by Door & Access Systems Manufacturer Association, International in bulletin 102-1990.
2. ASTM A123 - Galvanized coatings on iron and steel products.
3. ASTM A216 - Specifications for sectional overhead type doors.
4. ASTM A229 - Steel wire, oil-tempered for mechanical springs.
5. ASTM A-653-94 - Steel sheet, galvanized, commercial quality.
6. ASTM D1929 - Ignition temperature test to determine flash and ignition temperature of foamed plastics.
7. ASTM E84-91A - Tunnel test for flame spread and smoke developed index.
8. ASTM E330 - Structural performance of exterior windows, curtain walls, and doors by uniform static air pressure difference.
9. ASTM E413-87 - Sound transmission class. Acoustical performance value = 22 per.
10. ASTM E1332-90 - Outdoor-indoor transmission class. Acoustical performance value = 19.
11. ASTM E283-91 - Air infiltration = .07 CFM/FT², 15 MPH.

D. SUBMITTALS

1. Submit under provisions of Division 1 and General Conditions.

2. Product Data: Manufacturer's product data, technical literature and installation instructions.
3. Shop Drawings: Clearly indicate the following:
 - a. Design and installation details to withstand standard windload.
 - b. All details required for complete operation and installation.
 - c. Hardware locations.
 - d. Type of metal and finish for door sections.
 - e. Finish for miscellaneous components and accessories.
4. Operation and Maintenance Data.

E. QUALITY ASSURANCE

1. Sectional overhead doors and all accessories and components required for complete and secure installations shall be manufactured as a system from one manufacturer.
2. Sectional overhead doors shall be tested and labeled certifying compliance with ASTM D1929 and ASTM E84-91A standards.
3. Installer Qualifications: Authorized by manufacturer.

F. DELIVERY, STORAGE AND HANDLING

1. Deliver products in manufacturer's original containers, dry, undamaged, seals and labels intact.
2. Store and protect products in accordance with manufacturer's recommendations.

G. WARRANTY

1. Provide manufacturer's standard seven year warranty against separation/degradation of the polyurethane foam from the steel skin of the panel under provisions of Division 1. Standard manufacturer's ten year warranty against cracking, splitting or deterioration of steel skin due to rust-through.

H. MANUFACTURERS

1. Acceptable Manufacturers:
 - a. Cloplay
 - b. Haas Doors
 - c. Overhead Door
 - d. Raynor
 - e. Wayne-Dalton Corporation.

I. SECTIONAL OVERHEAD DOORS

1. Standard specified shall be Wayne-Dalton Model TS 200, or approved equal.
 - a. Operation: Motor (Existing system to be re-used)
 - b. Material: Galvanized steel with baked-on polyester primer, ready for field finish paint.
 - c. Insulation: Polyurethane
2. Insulated Sectional Overhead Doors: Insulated steel tongue-and-groove jointed panels with roll-formed internal struts with polypropylene rib caps to provide thermal break; end caps to provide tight seal at jambs; and hardware plates at all fastener points.
 - a. Complying with ANSI/DASMA 102 requirements for commercial doors.
 - b. Wind Load Performance: Withstanding 15.2 psf (728 Pa) external pressure and 12 psf (575 Pa) internal pressure when tested in accordance with ASTM E 330.

- c. Insulation: Foamed-in-place high density polyurethane core with flamespread of 10 and smoke density of 210 when measured in accordance with ASTM E 84.
- d. Finish: Two-coat baked-on polyester. Interior Color: White; Exterior Color: Brown.
- e. Panel Thickness: 2 inches.
- f. Face Sheet Thickness: 20 gauge.
- g. Panel Design: Flush.
- h. Thermal Resistance: Calculated "R" value of 17.50.
- i. Zinc Coating: Z275 galvanized, before finishing.
- j. Partial Glazing of Steel Panels set in 2-piece high-impact black polymer frame: 1/4 inch) Polycarbonate (Lexan) glazing.

J. COMPONENTS

1. Tracks: Design shall be vertical lift. Vertical mounting angles shall be hot-dipped galvanized. Track size shall be 3". Vertical track shall be graduated to provide wedge type weathertight closing with continuous angle mounting for masonry jambs, and shall be fully adjustable to seal door at jambs.
 - a. Material: 16 gage, 0.06 inch (1.52 mm), galvanized steel sheet, ASTM A 653/A 653M, Z120 hot-dipped zinc-aluminum coating.
2. Hardware:
 - a. Hinges: Hot-dipped galvanized steel.
 - b. Track Rollers: Steel, with case-hardened inner steel races and 10 ball bearings.
 - c. Weatherstripping: Doors shall be equipped with factory-installed, top seal to seal against header, copolymer joint seals between sections and vinyl "bulb" shaped astragal provided on the bottom section.
 - d. Locks shall engage the right-hand vertical track and utilize standard size rim cylinder.
3. Counterbalances: Spring torsion type capable of supporting entire door weight, made of ASTM A 229/A 229M oil-tempered steel wire.
 - a. Performance: Minimum of 25,000 cycles.
 - b. Spring Fittings and Drums: Die-cast high strength aluminum.
 - c. Cables: Preformed galvanized steel aircraft cables with minimum safety factor of 5 to 1.

K. OPERATORS – Re-use existing

L. EXAMINATION

1. Before beginning work, verify that openings have been properly prepared, and that existing conditions are ready to receive sectional overhead door work.

M. INSTALLATION

1. Install in accordance with manufacturer's instructions and standards.
2. Install door complete with necessary hardware, jamb and head mold strips, anchors, inserts, hangers, and equipment supports in accordance with final shop drawings, manufacturer's instructions, and as specified herein.
3. Install doors plumb, level, and operating smoothly without binding.
4. Upon completion of final installation lubricate, test and adjust doors to operate easily, free from warp, twist or distortion and fitting for entire perimeter.