

**ADDENDUM NO. TWO**  
**THORNTON FIRE STATION NO. 7**  
**PROJECT NO. 21-281**  
**CITY OF THORNTON, CO**

TO: Prospective Bidders and all others concerned

DATE: November 1, 2021

PURPOSE: To provide additional information and clarification to the solicitation documents for the above-referenced Project.

1. Drawings and Specifications are revised with Addendum No. Two and dated 2021 1029 to designate modifications from previously issued plans.

Download Documents here:

[https://www.dropbox.com/sh/pet99g8bcb5esz8/AAABJAI\\_42DNnUg6gerHMPMLa?dl=0](https://www.dropbox.com/sh/pet99g8bcb5esz8/AAABJAI_42DNnUg6gerHMPMLa?dl=0)

2. In addition to all infrastructure, blocking, and coordination efforts, Contractor shall provide the following Services and perform the following tasks in preparation for the work/vendors listed in Answer 5 of Addendum No. One.

A. LVI (First-In systems by West Net, Inc.)

- Raceway from accessible space to equipment locations as specified in LVI drawings. General 4 square and Hoffman boxes to be provided and installed by Contractor and/or Subcontractor. Custom back boxes for strobe lights (FSSL) and dorm lights (DL) to be provided by LVI;
- Dedicated raceway into IT room for alerting system cabling; and
- One quad outlet for power located near rack location allocated for the alerting system. The Master Control Unit, Power Module and UPS must not be more than six (6) feet from the Client provided radio with a roof mounted antenna.

B. CSI (Building Automation Systems)

- Power wiring to control panels and terminal equipment (i.e., VAV and FTU) controllers;
- Emergency power where required by specification;
- Installation of control dampers;
- Placement of valve bodies and sensor wells;
- Wiring of full load carrying devices;
- VFD's or Vane Operators;

- Installation of VFD's or Vane Operators;
- Access doors provided and installed by the Contractor and/or HVAC Subcontractor;
- Smoke Detectors and mounting and wiring of smoke detectors;
- Fire/Smoke Control Wiring and devices;
- Air or Water Balance;
- Wiring of full load carrying devices;
- Temporary Power, Heating or cooling;
- Set-up of factory provided controls and/or BAS interface cards necessary for complete installation of controls system shall be the responsibility of the Contractor and/or HVAC Subcontractor;
- Software upgrades of controls system or set-up of manufacturers control or interface cards necessary for complete installation of controls system shall be the responsibility of the Contractor and/or HVAC Subcontractor;
- Installation of factory provided interface cards or com networks;
- Pneumatic piping;
- CO2 Control;
- Humidity Control;
- Lighting Controls or Interface;
- Fire Alarm wiring or Interface;
- Card Access or Security Interface;
- Smoke control/Life Safety;
- Motorized Dampers;
- Air Flow Stations;
- Replacing bad components on new equipment shall be the responsibility of the Contractor and/or HVAC Subcontractor;
- Sheet Metal Work or HVAC Equipment;
- Wall Removal or replacement necessary for complete installation of controls system shall be the responsibility of the Contractor and/or HVAC Subcontractor; and
- Painting, Cutting, and Patching necessary for complete installation of controls system shall be the responsibility of the Contractor and/or HVAC Subcontractor.

C. Surveillance One (Hirsche and Security Camera System)

- Cable by General Contractor;
- Conduit by General Contractor; and
- Concrete for mounting pedestal at gate by General Contractor.

D. Airpro, Inc. (Vehicle Exhaust System)

- Electrical for Exhaust System; and
- Roof and/or Wall Penetrations.

E. Ford Audio-Video, LLC (Audio Visual Equipment)

- Grommet holes and covers at fitness and dayroom for cable;
- 110 outlet at all monitor locations;
- Blocking for all TV brackets; and
- Cable and conduit for AV equipment.

F. Hillyard, Inc. (Janitorial Supplies)

- Blocking at all bathroom fixtures; and
- Water proof holes at all shower soap dispensers and other tile areas.

3. The following questions and answers are provided for additional clarification to the Contract Documents.

Question 1: "Per the window schedule for storefront and Curtainwalls we are to meet .38 U-value; however, specifications are identifying .42 U-value for Storefront and .32 U-value for Curtain walls. Please confirm which is correct."

Answer 1: All window U values to meet minimum values listed on the Commcheck. Refer to drawing sheet A8.0 for requirements for labeling of all fenestration units.

Question 2: "Wall section detail A of A5.01 is showing a second step in the roof that is not indicated on roof plans, nor on building sections. Please clarify Detail A, sheet A5.01."

Answer 2: Step up is at roof above electrical / mechanical 202 per section A/A5.1.

Question 3: "The current Roof Hatch identified does not meet the code restriction of minimum 16 SF, please confirm sizing of roof hatches."

Answer 3: This section is a subsection to the main section that requires a stairway to the roof when you have 4 or more stories above grade plane - this would not apply to a one story building.

Question 4: "What is the finish soffit material beneath canopy, there is a reference to the soffit in the specifications, which calls out 20-gauge metals which are not available in prefinished colors, please confirm if 24-gauge soffit panels using CMG Coil steel is acceptable."

Answer 4: Basis of design for the soffit is Pac-Clad flush / reveal soffit: flush sold. Architect to select from all manufacturer colors.

Question 5: "Please confirm if 1/4" gypsum substrate noted in the specifications is to be applied to decking substrate, roof section detail has not been provided. This is not required for UL Assembly."

Answer 5: Roofing system to meet one of the ul listed assemblies per the cut sheets (under separate cover).

Question 6: "Please confirm if General Contractor is to pay for any building permits or associated fees."

Answer 6: Building permit fee is waived by the City of Thornton, Building Department for Capital Improvement Projects.

Question 7: "Spec Section 10 26 00: Corner guards' specifications are provided but plans do not show locations. Please advise how many corner guards are to be included."

Answer 7: Provide stainless steel corner guards to 40" AFF at all gypsum board corners.

Question 8 "Spec Section: 10 28 00: Folding shower seats are mentioned in the specifications but not called out on plans. Are they OFCI, OFOI or CFCI for each shower room?"

Answer 8: Shower seats are not required. Provide blocking in walls for future shower seats per A0.1.

Question 9: "Sheet A7.0: Plans do not call out soap dispensers for the Toilet Rooms - are we to include (1) ea. per sink? Please provide specifications."

Answer 9: Soap Dispensers are OPCI. There will be one (1) soap dispenser per sink and one (1) per shower. Soap dispensers at shower installation must be water tight installation approved by Thornton.

Question 10: "Spec Section 10 51 15, Sheet A2.0: Specifications 10 51 15 calls for (32) wall-mounted and (12) free-standing gear lockers but plans only show (20). Please provide the number of gear lockers required."

Answer 10: Provide 20 jumbo lockers per A2.0.

Question 11: "Sheet A2.0: Plans call for (4) hooks to be wall mounted and flag contractor to coordinate with Owner. Please provide product specifications for those hooks and a detail for mounting."

Answer 11: Provide 1" diameter stainless steel eye hooks at (4) locations that extend to CMU for fastening with final locations to be coordinated by owner prior to installation.

Question 12: "Sheet A2.0: Are shower curtains and rods required at the (2) showers in DECON 124A?"

Answer 12: There are no showers in Decon 124A.

Question 13: "Sheet A4.1: On A4.1, the E windows (Marvin fiberglass) are shown as having two fixed lights but on A8.0, they're shown as casements on the bottom with fixed transoms. Please clarify what configuration they are to be."

Answer 13: Windows are to be per A8.0 and are required to be emergency escape windows.

Question 14: "Sheet A4.1: There's a mock-up shown in 1/A4.1. It looks like this mock-up would be part of the final product. Please confirm because if so, I won't need to carry much extra cost for it other than some extra labor for two mobilizations on that opening."

Answer 14: Mockup is a freestanding mockup that is not part of the final product for the Project team to review prior to approval of all finishes on such mockup.

Question 15: "Spec Section 10 75 00, Sheet A1.1: Flag pole butt diameter shown as 4" in detail 5/A1.1. Per specs finial ball is to be 6" diameter - we typically see 5" dia. for both. Please confirm sizes for poles and finial balls."

Answer 15: 5" is acceptable. Contractor to coordinate final size with minimum wind load requirements.

Question 16: "Spec Section 09 65 66, Sheet A6.1: Specifications call for 6mm for the Mondo Flooring in the Fitness Room but finish plan A6.1 calls for a 10mm thickness - please advise which is desired."

Answer 16: 10mm is to be provided per A6.1 with base mat and the concrete slab is recessed per 6/S3.3.

Question 17: "Sheet A6.0: Please confirm that Rubber Base is not required at areas called out to be floor type F2."

Answer 17: Rubber base is not required at CMU walls.

Question 18: "Spec Section 10 14 00: Please clarify the following: Interior Room Sign size, FDC & Standpipe overall height (36" or more?) and shape (oval or square). Please confirm the Monument Sign only has one-sided signage, the back of the sign does not have a LOGO or lettering applied."

Answer 18: FDC & Standpipe signs are to be per AJU for size on rectangular sign. Monument sign is to be two sided.

Question 19: "Spec Section 12 48 13: There is a specification section for floor mats but plans do not call out locations. Please clarify if the mats are required for this project and provide locations."

Answer 19: Floor mats are OPOI.

Question 20: "Spec Section 12 31 00: Manufactured Metal Casework specifications are provided but they are not indicated in the plans - please identify locations or advise if not applicable for this project."

Answer 20: Refer to A7.0 & A7.1 for such locations.

Question 21: "Spec Sections 03 35 43 & 09 97 23, Sheets A6.0 & A6.1: Please confirm F1 floor type is polished concrete per Spec Sec 03 3543. If not, what system are we using for this area? For F2 is this flooring per Spec Sec 09 97 23 with the Westcoat system OR do we bid as the Prosoco LS & SLX 100 per the plans?"

Answer 21: F1 is per specification section 09 97 23. F2 is per drawing sheet A6.1.

Question 22: "Spec Section 08 43 13: Per window schedule Storefront and Curtainwall to meet .38 u-value. Per spec storefront .42 and curtainwall .32. Which is accurate?"

Answer 22: All window U values to meet minimum values listed on the Commcheck. Refer to drawing sheet A8.0 for requirements of labeling of all fenestration units.

Question 23: "Sheets P1.1 & P2.1: P1.1 for the air compressor states that this is by the owner, P2.1 plan view (column 4E) also indicates this. However, work note 2 on P2.1 indicates that contractor is to provide. Can you please confirm?"

Answer 23: Air compressor shall be provided by the General Contractor and shall be installed by the General Contractor.

Question 24: "Sheet E1.0: Please confirm if GC is responsible for providing Structural Cabling and not just raceways. Per note #1-5 on sheet E1.0, it seems like GC is only responsible to provide empty pipe system but per note #7-10, it can be interpreted as Structural, Security & access control cables are required to be installed by GC."

Answer 24: Conduit/raceways for all low voltage cabling and low voltage wiring are the responsibility of the General Contractor. Low voltage wiring, with the exception of the wiring for the alerting system, is the responsibility of the General Contractor. Contractor is to provide 6A cabling as standard, base bid.

Question 25: "For the controls, in the specifications it calls out CSI with a phone number, is Honeywell acceptable as well?"

Answer 25: Controls are Honeywell Tridium Controls with the Honeywell Supervisor interface. Owner will carry CSI's contract directly, however, all coordination and HVAC modifications for the BAS system to operate as Thornton requires is the responsibility of the Contractor. The BAS system spec is attached under separate cover.

Question 26: "Please confirm / clarify if the list of subcontractors form on page 17 is to be populated and submitted at the time of submission of the base bid at 3:00 on 10/9."

Answer 26: The completed Bid Proposal Form is required at 3 p.m., inclusive of Subcontractor identification for all Subcontractor scopes of work greater than \$25,000.00.

Question 27: "For approved extensions of Contract time by the City of Thornton, will the City of Thornton approve additional costs (general conditions) associated with the time extension?"

Answer 27: At this time, no schedule extensions are anticipated. Changes that include extensions of time shall have General Conditions' costs identified within Change Order Requests. Thornton reserves the right to request supporting documentation to verify actual General Condition costs requested.

Question 28: "Of the 274 Calendar days, how many weather delay days are included?"

Answer 28: Contractor's schedule must account for typical seasonal weather conditions, as noted in the Contract. In particular, reference General Conditions, Article X, Section G.

4. This Addendum becomes part of the Contract Documents. All other conditions and requirements of the Contract Documents will remain unchanged. Receipt of this Addendum must be acknowledged in the space provided on the Bid Proposal Form in the Project Manual.

**END OF ADDENDUM NO. TWO**

*Sean Saddler*

11/1/2021

Sean Saddler, PE  
Contracts and Purchasing Director

Date