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October 18, 2019

RE: Greeley Fire Station #2
2301 Reservoir Road
Greeley, Colorado 80634
SEH No. 150268

**Addendum Construction Documents
Dated August 8, 2019**

The following items include revisions, additions and/or deletions to the Bid Documents and shall supersede and take precedence over previous provisions of the Bid Documents. This list is a summary of changes and all items from both this list and the bid documents themselves shall be incorporated into the bid documents, and the work shall contain all items of this Addendum. This addendum shall be acknowledged in the bid proposal and shall be made part of the Contract. Any bid proposal in which all addenda are not acknowledged will be considered incomplete.

I. Project Manual Revisions

- A. Revisions to text are highlighted in light gray.
- B. Deletions of text are struck and highlighted in light gray.

II. Drawing Revisions

- A. Changes are clouded and assigned a delta number.

III. Attachments

- A. Attachments are listed at the end of this Narrative.

Addendum 01 – Bid Documents

I. Project Manual Revisions.

- A. Table of Contents updated to reflect new sections and misc. revisions
- B. 012600 – Contract Modification Procedures added
- C. 013200 – Construction Progress Documentation added
- D. 013300 – Submittal Requirements added
- E. 013543 – Hazardous Materials & Safety Requirements added
- F. 014000 – Quality Requirements added
- G. 016000 – Product Requirements added
- H. 017419 – Construction Waste Management & Disposal added
- I. 017700 – Closeout Procedures added
- J. 017823 – Operations & Maintenance Data added
- K. 017839 – Project Record Documents added
- L. 031000 – Removed section 2.3 Waterstops
- M. 033000 – Removed section 2.3 Vapor Retarders

Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 2000 South Colorado Boulevard, Suite 6000, Colorado Center Tower One, Denver, CO 80222-7938

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- N. 042200 – Removed 2.2 B. Integral Water Repellent. Removed 2.7 B. Single Wythe. Removed 2.9 Masonry Cell Fill.
- O. 054000 – Updated entire section to fit project.
- P. 073113 – Added Class 4 impact resistant requirement.
- Q. 077200 – Removed 2.5 Roof Curbs
- R. 083613 - 2.2 F. Edited door track type. Updated 2.2 K Door finish
- S. 092900 – 2.8 D. Changed finish level
- T. 093000 – Removed 2.7 A. Thickset
- U. 099723 – Concrete Sealers added
- V. 105143 – Wire Mesh Storage Lockers removed
- W. 108213 – Roof Screen added
- X. 260923 – Section for Lighting Control deleted.
- Y. 271100 – Update part numbers and schedules
- Z. 271119 – Update part numbers and schedules
- AA. 271500 – Update part numbers and schedules
- BB. 263600 – Requirement for isolation bypass transfer switch deleted
- CC. 283111 – Fire Alarm manufacturers modified.
- DD. All mechanical and plumbing sections were updated

I. Drawing Revisions

General:

- A. G001 Updated Sheet Index to match sheets provided in this addendum.

Civil:

- A. All drawings are included with minor revisions listed as follows but not clouded.
- B. C201 (and subsequent phase 1 sheets) - The concrete chase for the roof drain downspouts on the west side of the building shifted. The chase on the northwest corner moved to the west side.
- C. C202 (and subsequent phase 2 sheets) - The parking lot was adjusted to protect the existing utility pole and boxes along the boundary between the fire station and the library.

Landscape:

- A. All drawings are included with minor revisions listed as follows but not clouded.
- B. Minor adjustments to plantings resulting from city comments.
- C. Locations provided for Steel Edger.
- D. Bench and Lattice listed as Alternate.
- E. LS-4 – Revised Blench and Lattice Detail.

Structural:

- A. S 001 – updated design criteria, structural sheet list, removed 6” concrete block reinforcing from notes.

- B. S 002 – diaphragm loads added, structural special inspections updated to include open-web steel joists, and steel decking
- C. S 101 – sheet updated building arrangement changes, incorporating osb shearwalls, foundation notes, keynotes, column/pier schedule, footing schedule, and masonry reinforcing schedule
- D. S 102- sheet updated, low roof framing plan, mezzanine floor framing plan, hose tower and stair framing updated, lobby framing updated, structural framing notes, keynotes, and masonry reinforcing schedule added.
- E. S 103 – sheet updated, apparatus bay roof framing, stud walls above top of masonry at gable ends, hose tower framing, hose tower framing updated, hose tower roof framing updated, structural framing notes, keynotes, and masonry reinforcing schedule added.
- F. S 301 – sheet added
- G. S 401 –
 - a. Detail 1, lobby roof updated with new framing
 - b. Detail 2, tower framing updated
 - c. Detail 3, mezzanine framing updated
 - d. Detail 4 mezzanine framing added
 - e. Keynotes updated
- H. S 500:
 - a. Detail 2 updated, added Pier 'P1'
 - b. Detail 4, updated control joint spacing for two slabs.
- I. S 501: general detailing update
 - a. Details 8, 9, 10, and 11 added to sheet, detail 8 generator pad moved to sheet S540
- J. S 502
 - a. Detail 3 Lintel Schedule updated
 - b. Details 4 & 5 renumbered to 6 & 7
 - c. Detail 6 replaced with Detail 8
 - d. Details 9, 10, 11, and 12 added
- K. S 510 – sheet added
- L. S 520 – details updated
 - a. Detail 2 deck schedule updated
- M. S 530
 - a. Detail 2, schedule updated
 - b. Detail 5 changed to detail 8 and updated
 - c. Detail 8 moved to S 533
 - d. Details 7 & 9 added
- N. S 531 – sheet added
- O. S 532 – sheet added

- P. S 533 – sheet added
- Q. S 540
 - a. Concrete lap splice schedule updated, detail 1
 - b. Masonry lap splice schedule added, detail 5
 - c. Generator slab detail added to sheet, detail 6
 - d. Stepped footing added, detail 7
- R. S 550 – sheet added
- S. S 560 – sheet added

Architectural:

- A. A001 CODE INFORMATION
 - i. Change construction type to VB
- B. A011 PARTITION TYPES AND CONSTRUCTION ASSEMBLIES
 - i. Add wall type E3 and E4
 - ii. Various revisions as indicated by Delta 2.
- C. A051 ARCHITECTURAL SITE PLAN
 - i. Downspout splash blocks removed at overflow drains
 - ii. (2) Bike racks added with concrete pad.
- D. A111 FLOOR PLANS
 - i. Various revisions as indicated by Delta 2.
 - ii. Added Jan Closet 148
 - iii. Changed CMU walls to gyp on East side of plan
- E. A113 ROOF PLAN
 - i. Add roof ladders
 - ii. Add ice and water shield
 - iii. Changed balcony and rail at hose tower to alternate
 - iv. Change overflow drains to wall scuppers
 - v. Changed drainage of roof over lobby
- F. A151 REFLECTED CEILING PLAN
 - i. Add open ceiling at Jan Closet 148
- G. A201 EXTERIOR ELEVATIONS
 - i. Remove precast behind signage area
 - ii. Remove insignia on gable
 - iii. Change balcony and railing at hose tower to alternate
 - iv. Add splash block at Lobby Elevation 6
 - v. Change precast parapet cap to metal
 - vi. Adjust control joints to align with doors and windows
 - vii. Remove metal railing on East Elevation and raise parapet to act as guard and screen for RTU.
- H. A301 BUILDING SECTIONS
 - i. Change stair from Mezzanine to Hose Tower Platform to Alternate

- I. A302 BUILDING SECTIONS
 - i. Change stair from Mezzanine to Hose Tower Platform to Alternate
- J. A311 WALL SECTIONS
 - i. Change wall type of Apparatus Bay above joist barring to metal stud.
 - ii. Updated section 5
- K. A312 WALL SECTIONS
 - i. Change wall type of Apparatus Bay above joist barring to metal stud.
 - ii. Updated section 5
- L. A401 VERTICAL CIRCULATION PLANS AND SECTIONS
 - i. Change stair from Mezzanine to Hose Tower Platform to Alternate
 - ii. Change exterior tower platform to Alternate
 - iii. Added section of removable guard rail outside exercise room
- M. A421 ENLARGED PLANS AND INTERIOR ELEVATIONS
 - i. Change paper and soap dispensers to owner provided contractor installed.
- N. A422 ENLARGED PLANS AND INTERIOR ELEVATIONS
 - i. Change paper and soap dispensers to owner provided contractor installed.
 - ii. Added roof drain fur out in plan 16
 - iii. Revised plan 6 to include a janitor closet
- O. A501 EXTERIOR DETAILS
 - i. Change detail 3 to concrete screen wall
 - ii. Update notes on details 9 and 10 as indicated.
- P. A502 EXTERIOR DETAILS
 - i. Added clouded details
- Q. A503 EXTERIOR DETAILS
 - i. Added page to include new details
- R. A601 DOOR SCHEDULE
 - i. Added hardware groups to door schedule.
 - ii. Change exterior gyp sheathing to 7/16" OSB.
- S. A602 New detail sheet.
- T. A603 WINDOW SCHEDULE & LEGEND
 - i. Update storefront elevations and details as indicated.
 - ii. Added general note about storefront and window color
- U. A611 ROOM FINISH SCHEDULE
 - i. Added finish plans
 - ii. Updated finish schedule as indicated by Rev. 2.
- V. A621 CASEWORK
 - i. All details updated to reflect actual millwork used.

Mechanical:

General note for all sheets: Throughout all areas, Ductwork sizing and routing has shifted slightly, air device quantity and size has been modified, general cleanup/finalizing work has been done.

- A. M111: Fire dampers were added to all ducts penetrating dorm rooms.
- B. M111: Lobby area ductwork is now exposed with drum louvers. A transfer grille has also been added.
- C. M111: Flue and combustion air was added for all gas equipment within the bays as well as keynotes indicating the requirements.
- D. M111: Ductwork over the dayroom and corridor has been adjusted.
- E. M111: Air devices have been added to the fitness room.
- F. M111: EUH-1 was added to the electrical room.
- G. M112: Thermostats and wall switches were added in the Bays.
- H. M401: Piping is now shown in the boiler room.
- I. M600: EUH-1 schedule was added.
- J. M801: Exhaust fan, radiant heater, ductless split and ceiling fan controls diagrams were updated.

Plumbing:

- A. Drawing P000:
 - a. Eliminated alternates from sheet.
 - b. Added Isometric sheet.
 - c. Change page numbers to follow suit with architect
- B. Drawings P111:
 - a. Identified and added plumbing isometrics.
 - b. Relocated 1-1/2" CW fill hose connection on west bay wall.
 - c. Relocated hand sink on west bay wall.
 - d. Added 2" floor sink and 1/2" CW connection for icemaker on west bay wall.
 - e. Relocated electric water cooler on west bay wall.
 - f. Adjust gas piping to accommodate for gas unit heaters being moved in the bay and hose tower area.
 - g. Updated sizes and notes for Permit set.
 - h. Changed Bay trench drains from (6) 24' long to (6) 26' long trench drains.
 - i. Revised gas load schedule for GUH.
 - j. Added roof drainage, changed routing and, eliminated overflows.
 - k. Added FDC & noted.
 - l. Relocated vent rise to VTR to be 10' from RTU air intake.
- C. Drawing P113:
 - a. Added roof drainage.

- b. Eliminated over flow ranges, scuppers are now the overflows.
- c. Added (2) roof hydrants.
- d. Moved VTR's to better locations and to for fixtures that have been moved.
- e. Updated sizes and notes for Permit set.
- D. Drawing P300:
 - a. Added trench drain TD-2 to washer extractor in lieu of FD.
 - b. Eliminated TD-2 from showers and changed to FD-1 (Square).
 - c. MSB moved to Janitorial 146, adjust entire layout accordingly in Laundry 116 for the changes made by Architect.
 - d. Adjust vent routing and vent rise to roof.
 - e. Added $\frac{3}{4}$ " hose bib in mechanical room for glycol feeder and (2) $\frac{3}{4}$ " CW rise to roof hydrant on roof.
 - f. Added 4" floor sink and $\frac{3}{4}$ " CW & $\frac{3}{4}$ " HW to hose bib for hose washer.
 - g. Pipe routing was adjusted in Decon 142.
 - h. Updated sizes and notes for Permit set.
 - i. Added roof drainage, changed routing and, eliminated overflows.
 - j. Added CAR-1 in Workshop.
- E. Drawing P500:
 - a. Changed trench drain detail lengths.
 - b. Changed washer extractor detail to trench drain in lieu of FD.
 - c. Changed gas fired water heater detail.
 - d. Changed domestic CW entry piping detail.
 - e. Added gas piping support detail
- F. Drawing P700:
 - a. Added RH-1 roof hydrant.
 - b. Added SH-2 with fiberglass enclosure in lieu of tile for Decontaminated shower.
 - c. Revised S-1, S-2, S-3 model number and allowed alternate manufactures in the specification.
 - d. Added S-4.
 - e. Eliminate EWC-2.
 - f. Changed EWC-1 to a non-filtered EWC.
 - g. Changed HS faucet manufacturer and model #. (manually operated)
 - h. Eliminated TD-3 for the shower stalls.
 - i. Changed TD-3 to TD-2 for the washer extractor.
 - j. Changed manufacturer and model # of hose reel HR-1 per owner.
 - k. Revised model number for PET-1.
 - l. Changed manufacturer and model # of compressed air hose reel CAR-1 per owner.

- m. Air compressor is by owner now.
- G. Drawing 700:
 - a. Provided isometrics.

Electrical:

- A. E001
 - i. Updated Luminaire Schedule
 - ii. Updated Mechanical Equipment.
- B. E010 Site Plan
 - i. Added flagpole lgt
 - ii. Added power exhaust to RTUs
 - iii. Shown duct detectors for unit shut down.
 - iv. Shown roof receptacles.
 - v. Defined pedestal receptacles.
- C. E011 Photometric plan
- D. E012 Site lighting cut sheets.
- E. E111 Lighting Plans
 - i. Added note to add contactor for bunk lighting and coordination with systems vendor.
 - ii. Defined Lobby lighting
 - iii. Added step lighting to res corridor and hose tower.
 - iv. Added janitor closet next to laundry.
 - v. Defined hose tower lighting.
 - vi. Defined switches.
- F. E211 Power Plans
 - i. Added co/smoke detectors to bunk area.
 - ii. VE notes for conduit routing in bay.
 - iii. Added enlarged mechanical room for clarification.
 - iv. Move panels so they are facing the corridor.
- G. Sheet E401 One line diagram
 - i. Add short circuit calculations
 - ii. Remove requirement for isolation bypass in transfer switch.
 - iii. Finalize breakers and panel sizing.
- H. Sheet 503 Added Comcheck

Technology:

- A. T005:
 - i. Updated part numbers in schedules 271100, 271119, and 271500.
 - ii. Updated Access Control Door Schedule with proper door numbers per latest architecture backgrounds.
- B. T051:
 - i. Updated conduit pathway and handhole locations.
 - ii. Adjusted note T04 for more description.
- C. T111:
 - i. Modified all bunk rooms to have a 1-port data in lieu of a 2-port. Adjusted miscellaneous outlet locations for coordination with rooms and walls. Added WAP coverage throughout facility.
 - ii. Decreased the standard outlet port count in the watch room. Added a 2-port data in Mechanical space for BAS panel.
 - iii. Added network connections to CATV room.
 - iv. Updated elevation to better coordinate space and adjusted notes of conduit routing across apparatus bay.
 - v. Removed a data outlet from Janitors closet.
 - vi. Removed congestion symbol for door 101A and updated reader to mullion mount.
 - vii. Relocated card reader on door 101B.
 - viii. Added cable tray through main corridor.
- D. T401:
 - i. Updated room name in viewports.
 - ii. Adjusted vertical cable runway.
 - iii. Adjusted rack layouts.
- E. T502:
 - i. Updated communications backbone pathway diagram, remove backbone cabling distribution schedule.
- F. T603:
 - i. Added a detail for handhole information

II. Attachments

- A. Project Manual sections listed above
- B. Drawing Sheets listed above