

ADDENDUM

PROJECT: OLD STONEY REMODEL – PHASE ONE
108 NORTH FOURTH STREET
SUNDANCE, WYOMING 82729

ADDENDUM NUMBER TWO

This addendum number two dated Friday, December 15, 2017 is hereby appended to and became a part of the Contract Documents for Old Stoney Remodel – Phase One, 108 North Fourth Street, Sundance, Wyoming. Drawings and specifications dated November 20th, 2017.

GENERAL

Alternate #2:

CLARIFY: HVAC maintenance contract: Provide a separate maintenance contract for the service and maintenance of the entire HVAC system for 6 years from Date of Substantial Completion from the system installer. This number shall be subject to yearly (5 years total) renewal. See bid form for Alternate #2.

Instructions To Bidders:

CLARIFY: Paragraph XIII Insurance Certificates: Builders' Risk Insurance all bidders to carry policy for minimum \$3,000,000 in coverage.

ARCHITECTURAL DRAWINGS

Sheets 3.05 and 3.10

ADD: Include additional allowance (above and beyond what is shown on the drawings) of wood floor repair/replacement of 200 square feet on the Basement Floor and 300 square feet on the First Floor.

Sheet 3.40

CLARIFY: Keynote #15: Contractor to include teardown of existing shelving, removal from owner's current space (across the street in the County Courthouse building) and re-installation onto the mobile system.

Sheet 3.75

CLARIFY: In Locker #216, Stair #200 and Stair #215: ceiling to be one-hour fire rated GA5406).



Sheet 9.10 and 9.15

CLARIFY: In Stair #S01, install rubber base at stair landings (not on treads/risers).

STRUCTURAL DRAWINGS

Sheet 2.01

ADD:

SHORING NOTES:

1. General
 - 1A) Contractor shall provide and install shoring as required for building and adjacent structure stability.
 - 1B) All shoring shall be designed by a professional engineer registered in the state of Wyoming for loads indicated in the drawings.
 - 1C) Shoring plans shall be provided as a deferred submittal.
 - 1D) Shoring shall extend down all levels to slab-on-grade at lowest level and be aligned vertically between levels.
 - 1E) Contractor shall spread the concentrated shoring load appropriately so not to damage the concrete surfaces or structures in the immediate shored area.
 - 1F) All shoring shall remain in place until construction in area is complete and concrete is fully cured unless noted otherwise on drawings.

MECHANICAL DRAWINGS

ADD:

An expansion tank on the cold water domestic service after the booster pump: ET-2 Armstrong FX-200V 52 gallons Max operating temp 200F, Physical size 50" height 24" diameter floor mounted. Install expansion tank per MFGR near domestic booster pump on the cold water line serving the building. Field locate for maximum accessibility. Provide isolation valve and union on tank.

CHANGE:

WC-1, WC-2, UR-1, UR-2 change bisque color to white.

CHANGE:

Eliminate all balancing damper downstream of the fan coils and use the obd in the grille face for balancing of the system (typical).

CHANGE:

Provide wrap insulation on all concealed round runouts. See spec section 230713 Attached.



ELECTRICAL DRAWINGS

- CLARIFY:** Sheet 16.10/02: The light fixtures shown over the vanities in Men's 009 and Women's 011 are to be type "C". The light fixtures shown over Stair S01 and Stair 100 are to be type 'D'.
- CLARIFY:** Sheet 16.20/02: The C/T cabinet will be provided by the Utility Company. The contractor shall figure a minimum of 50 ft. between the C/T cabinet and the main disconnect. The exact location will need to be coordinated with the utility company.
- CLARIFY:** Sheet 16.30/01: The electrical contractor is to provide a cabinet as noted in flag note 3 for the mechanical contractor to mount control equipment in. See detail 4/16.41 for the cabinet dimensions.
- CLARIFY:** Sheet 16.40:
1. Light fixture type 'D' is to be 3500K
 2. Light fixture type 'C' is to be antique brass finish.
 3. Light fixture type 'G4' is two 6' sections of track.
 4. The Utility company will provide any conduit and conductors for the primary to the transformer and between the transformer and the C/T's.

SPECIFICATIONS

Section 02 4100

- ADD:** Paragraph 1.04: Submittals, C: Shoring Plans: Provide a plan evaluating areas shoring is required for building and adjacent building stability during construction, and the construction sequence associated with each.

Section 09 3000

- CHANGE:** Paragraph 3.05, A: Over wood studs with cementitious backer board of same thickness as gypsum wallboard above; TCNA (HB) Method W223.

Section 12 2400

- CLARIFY:** Paragraph 2.03, B: Fabric to be Hunter Douglas, Architectural, E Screen 7501, Color: Charcoal/Charcoal, Factor: 1% openness.



LIST OF APPROVED PRODUCT SUBSTITUTIONS

MECHANICAL

Arrow EA-6DHP louver, color by Arch
Nailer GRD, colors to match schedule

ELECTRICAL

Acceptable Lighting Manufacturers:

1. Neptun Light Inc.
 - a. Types A, B
2. Columbia Lighting
 - a. Type D
3. Dual-Lite
 - a. Types EM, XC, XW
4. Litecontrol
 - a. Type F
5. Hubbell Outdoor
 - a. Type H, L
6. Ligman Lighting
 - a. Type J
7. FC Lighting
 - a. Type M
8. Metalux
 - a. Type A, B
9. CDS Lighting
 - a. Type C
10. Halo
 - a. Types G, G1, G2, G3, G4; provide with current limiters
11. Lumark
 - a. Type H
12. Invue
 - a. Type L (Provide w/ Barn Doors)
13. Sure-Lites
 - a. Types XC, XW

Acceptable Lighting Control Manufacturers:

14. Eaton Controls
 - a. Greengate TracKeeper is not an acceptable substitute for lighting track current limiters.
15. Hubbell
16. Lutron

Acceptable Fire Alarm Manufacturers:

17. Potter Fire Alarm Systems



END OF ADDENDUM NUMBER TWO



SECTION 23 0713 - HVAC DUCT INSULATION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Duct insulation.

1.02 RELATED REQUIREMENTS

- A. Specifications throughout all divisions of the project manual are directly applicable to this section, and this section is directly applicable to them.

1.03 REFERENCE STANDARDS

- A. The latest published edition of a reference shall be applicable to this project, unless identified by a specific edition date. All reference amendments adopted prior to the effective date of this Contract shall be applicable to this project.
- B. American Society for Testing and Materials:
 - 1. ASTM C518 - Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus.
 - 2. ASTM C553 - Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications.
 - 3. ASTM C1071 - Standard Specification for Fibrous Glass Duct Lining Insulation (Thermal and Sound Absorbing Material).
 - 4. ASTM C1290 - Standard Specification for Flexible Fibrous Glass Blanket Insulation Used to Externally Insulate HVAC Ducts.
 - 5. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
 - 6. ASTM E96 - Standard Test Methods for Water Vapor Transmission of Materials.
- C. National Fire Protection Association:
 - 1. NFPA 255 - Standard Method of Test of Surface Burning Characteristics of Building Materials.
- D. Underwriters Laboratories:
 - 1. UL 723 - Standard for Test for Surface Burning Characteristics of Building Materials.

1.04 ACTION SUBMITTALS

- A. Product Data: Provide product description, thermal characteristics, list of materials and thickness for each service, and locations.
- B. Qualifications Statement: Submit name and qualifications of insulation applicator and name of supervisor for approval within 30-days after award of Contract.

1.05 QUALITY ASSURANCE

- A. Applicator Qualifications: Company specializing in performing the type of work specified in this section, having a minimum of 5-years experience and approval of the manufacturer.
- B. Surface Burning Characteristics: Flame spread/Smoke developed index of 25/50, maximum, when tested in accordance with ASTM E84, NFPA 255, or UL 723.
- C. Source Limitations: Obtain insulation of each type through one source from a single manufacturer.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Accept materials on site in original factory packaging, labelled with manufacturer's identification, including product density and thickness.
- B. Protect insulation from weather and construction traffic, dirt, water, chemical, and mechanical damage, by storing in original wrapping.

1.07 FIELD CONDITIONS

- A. Maintain ambient temperatures and conditions required by manufacturers of adhesives, mastics, and insulation cements.

- B. Maintain temperature during and after installation for minimum period of 24 hours.

PART 2 PRODUCTS

2.01 FLEXIBLE GLASS FIBER INSULATION

- A. Manufacturers: Subject to compliance with requirements, available manufacturers that may be incorporated into the work include, but are not limited to the following:
 - 1. CertainTeed Corporation: certainteed.com.
 - 2. Johns Manville Corporation: jm.com.
 - 3. Knauf Insulation: knaufusa.com.
 - 4. Owens Corning Corporation: ocbuildingspec.com.
- B. Insulation: ASTM C553; flexible, noncombustible blanket.
 - 1. 'K' ('Ksi') value: 0.36 at 75 degrees F (0.052 at 24 degrees C), when tested in accordance with ASTM C518.
 - 2. Maximum Service Temperature: 250 degrees F (121 degrees C).
 - 3. Maximum Water Vapor Sorption: 5.0 percent by weight.
- C. Vapor Barrier Jacket:
 - 1. Kraft paper with glass fiber yarn and bonded to aluminized film.
 - 2. Moisture Vapor Permeability: 0.02 perm inch (0.029 ng/Pa s m), when tested in accordance with ASTM E96.
 - 3. Secure with pressure sensitive tape.
- D. Vapor Barrier Tape:
 - 1. Kraft paper reinforced with glass fiber yarn and bonded to aluminized film, with pressure sensitive rubber based adhesive.

2.02 RIGID GLASS FIBER INSULATION

- A. Manufacturers: Subject to compliance with requirements, available manufacturers that may be incorporated into the work include, but are not limited to the following:
 - 1. CertainTeed Corporation: certainteed.com.
 - 2. Johns Manville Corporation: jm.com.
 - 3. Knauf Insulation: knaufusa.com.
 - 4. Owens Corning Corporation: ocbuildingspec.com.
- B. Insulation: ASTM C612; rigid, noncombustible blanket.
 - 1. 'K' ('Ksi') value: 0.24 at 75 degrees F (0.036 at 24 degrees C), when tested in accordance with ASTM C518.
 - 2. Maximum service temperature: 450 degrees F (232 degrees C).
 - 3. Maximum Water Vapor Sorption: 5.0 percent.
 - 4. Maximum Density: 8.0 lb/cu ft (128 kg/cu m).
- C. Vapor Barrier Jacket:
 - 1. Kraft paper with glass fiber yarn and bonded to aluminized film.
 - 2. Moisture Vapor Permeability: 0.02 perm inch (0.029 ng/Pa s m), when tested in accordance with ASTM E96.
 - 3. Secure with pressure sensitive tape.
- D. Vapor Barrier Tape:
 - 1. Kraft paper reinforced with glass fiber yarn and bonded to aluminized film, with pressure sensitive rubber based adhesive.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that ducts have been tested before applying insulation materials.
- B. Verify that surfaces are clean, foreign material removed, and dry.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.

- B. Install in accordance with NAIMA National Insulation Standards.
- C. Insulate all concealed supply air ducts where not lined. Insulate all concealed relief or exhaust air ducts within 10-ft of an exterior wall or roof opening. Liner will be installed within ducts where indicated, noted, or detailed.
- D. Insulated ducts conveying air above or below ambient temperature:
 - 1. Provide insulation with vapor barrier jackets.
 - 2. Finish with tape and vapor barrier jacket.
 - 3. Continue insulation through walls, sleeves, hangers, and other duct penetrations.
 - 4. Insulate entire system including fittings, joints, flanges, fire dampers, flexible connections, and expansion joints.
- E. External Duct Insulation Application:
 - 1. Secure insulation with vapor barrier with wires and seal jacket joints with vapor barrier adhesive or tape to match jacket.
 - 2. Install without sag on underside of duct. Use adhesive or mechanical fasteners where necessary to prevent sagging. Lift duct off trapeze hangers and insert spacers.
 - 3. Seal vapor barrier penetrations by mechanical fasteners with vapor barrier adhesive.
 - 4. Stop and point insulation around access doors and damper operators to allow operation without disturbing wrapping.
- F. Ducts Exposed Within Mechanical Rooms:
 - 1. Install rigid duct insulation as specified above only. No flexible insulation wrap.

3.03 SCHEDULES

- A. Outside Air Ducts:
 - 1. Rigid Glass Fiber Duct Insulation: 2 inches (____ mm) thick.
- B. Supply Air Ducts:
 - 1. Flexible Glass Fiber Duct Insulation: 1-1/2 inches (____ mm) thick.
- C. Supply Ducts After Fan Coils in concealed locations:
 - 1. Flexible Glass Fiber Duct Insulation: 1 inches (____ mm) thick.
- D. Exhaust Air Ducts:
 - 1. Flexible Glass Fiber Duct Insulation: 1-1/2 inches (____ mm) thick.
- E. Ducts Within Mechanical Rooms:
 - 1. Rigid Glass Fiber Duct Insulation: 2 inches (____ mm) thick.

END OF SECTION 23 0713