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Addendum No. 2

Date: November 18, 2019

Project: Auditors Office Renovation 3rd Floor Townsend Building
Project No: MC1002000448

The work herein shall be considered part of the bid documents for the referenced project and carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Acknowledge receipt of addendum on the bid form as indicated.

Clarifications

1. *None*

RFI Reponses

1. **Question**: Room Finish Schedule calls for CPT-1, specification section 096800-2 states two colors. What is the pattern or percentage of each color to be required?
   Response: Pattern should be quarter turn and the mix should be 75 to 25%.
2. **Question**: What is RB1? Manufacturer, size & style
   Response: Rubber base RB-1 shall be Tarkett 4" High Baseworks Thermoset RubbeR or equivalent equal.
3. **Question**: Phasing plan does not seem to include all areas. Is Corridor 323 the only work in Phase 3?
   Response: As of now the corridor work is included in phase 3, in order to have both entrances to the suite available to the occupants during the normal business hours. Once the bid is awarded the phasing can be adjusted by the wining contractor.
4. Question: Will the stairways or elevation be used for debris?
   Response: The stairs can be used for removal of debris.
5. Question: Will parking be available onsite?

   Response: Parking will not be available on site.
6. Question: Will abuse board be required?
   Response: Abuse board will be required.
7. Question: Drawing A501 Detail 8, can a wood profile number be given?
   Response: The basis of design shall be 0W297, Alexandria Mouldings or equivalent equal.

Changes to Drawings:

1. A-501 – Schedules and Details (See Attached)
    a) Added 9/A-501 Section Through Roof.
    b) Revised Partition Types to stop Partitions 1’-0” Above Acoustical Ceiling.
    c) Revised 8/A-501 to include basis of design.

Changes to Specifications:

1. 07 21 00 - Thermal Insulation
   Added to the specifications. See attached.
2. 09 51 00 – Acoustical Ceilings
   Revised paragraph 2.03.C as follows:

   C. Acoustical Sealant For Perimeter Moldings: Non-hardening, non-skinning, for use in conjunction with suspended ceiling system.

   Added paragraph 2.03.F as follows:

   F. Acoustical Insulation: Specified in Section 07 21 00.
      1. Thickness: 3 ½” inch.
      2. Size: To fit acoustical suspension system.

END

SECTION 07 21 00
THERMAL INSULATION

PART 1 GENERAL

1.01 RELATED REQUIREMENTS

1.02 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide data on product characteristics, performance criteria, and product limitations.

PART 2 PRODUCTS

2.01 APPLICATIONS

A. Insulation Above Lay-In Acoustical Ceilings: Batt insulation with no vapor retarder.

2.02 BATT INSULATION MATERIALS

A. Glass Fiber Batt Insulation: Flexible preformed batt or blanket, complying with ASTM C665; friction fit.
   1. Combustibility: Non-combustible, when tested in accordance with ASTM E136, except for facing, if any.
   2. Facing: Unfaced.
   3. Manufacturers:
      a. Owens Corning Corporation; EcoTouch PINK Fiberglas Sonobatts Insulation: www.ocbuildingspec.com/#sle.
      b. Substitutions: See Section 01 60 00 - Product Requirements.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify substrate surfaces are flat, free of honeycomb, fins, irregularities, or materials or substances that may impede adhesive bond.

3.02 BATT INSTALLATION

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

B. Install in ceiling spaces without gaps or voids. Do not compress insulation.

C. Trim insulation neatly to fit spaces. Insulate miscellaneous gaps and voids.

D. Fit insulation tightly in cavities and tightly to exterior side of mechanical and electrical services within the plane of the insulation.

3.03 PROTECTION

A. Do not permit installed insulation to be damaged prior to its concealment.

END OF SECTION 07 21 00

SECTION 09 51 00
ACOUSTICAL CEILINGS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Suspended metal grid ceiling system.

B. Acoustical units.

C. Support hangers, channels, and wires.

1.02 RELATED REQUIREMENTS

A. Section 26 51 00 - Interior Lighting: Light fixtures in ceiling system.

B. Section 28 46 00 - Fire Detection and Alarm: Fire alarm components in ceiling system.

1.03 REFERENCE STANDARDS

A. ASTM C635/C635M - Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.

B. ASTM C636/C636M - Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels.

C. ASTM E1264 - Standard Classification for Acoustical Ceiling Products.

D. GEI (SCH) - GREENGUARD "Children and Schools" Certified Products; GREENGUARD Environmental Institute.

1.04 SUBMITTALS

A. See Section 01 33 00 - General Conditions, for submittal procedures.

B. Shop Drawings: Indicate grid layout and related dimensioning, junctions with other ceiling finishes, and mechanical and electrical items installed in the ceiling.

C. Product Data: Provide data on suspension system components, acoustical units, and supplementary acoustical insulation.

D. Samples: Submit two samples 4x4 inch in size illustrating material and finish of acoustical units.

E. Samples: Submit two samples each, 6 inches long, of suspension system main runner, cross runner, and perimeter molding.

F. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.

1.05 QUALITY ASSURANCE

A. Suspension System Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum ten years documented experience.

B. Acoustical Unit Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum ten years documented experience.

1.06 FIELD CONDITIONS

A. Maintain uniform temperature of minimum 60 degrees F, and maximum humidity of 40 percent prior to, during, and after acoustical unit installation.

1.07 PROJECT CONDITIONS

A. Sequence work to ensure acoustical ceilings are not installed until building is enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead work is completed, tested, and approved.

B. Install acoustical units after interior wet work is dry.

1.08 EXTRA MATERIALS

A. See Section 01 60 00 - Product Requirements, for additional provisions.

B. Provide (1) carton of extrat ceilign tiles of each type used for Owner's use in maintenance of project.

PART 2 PRODUCTS

2.01 ACOUSTICAL UNITS

A. Manufacturers:
   1. Armstrong World Industries, Inc: www.armstrong.com.
   2. Substitutions: See Section 01 60 00 - Product Requirements.

B. Acoustical Units - General: ASTM E1264, Class A.

C. Acoustical Panels: Painted composite fiberglass, ASTM E 1264 Type XII with the following characteristics:
   1. Size: 24x24 inches.
   2. Thickness: 1 inches.
   3. Composition: Fiberglass.
   4. Density: .55 lbs./s.f.
   5. Light Reflectance: 90 percent, determined as specified in ASTM E 1264.
   6. NRC:.95 , determined as specified in ASTM E 1264.
   7. Articulation Class (AC): 190, determined as specified in ASTM E 1264.
   8. Ceiling Attenuation Class (CAC): N/A.
   9. Edge: Square tegular 15/16".
   10. Surface Color: White.
   11. Surface Pattern: Non-directional textured.
   12. Product: "Optima" Open Plan, #3250, by Armstrong.

2.02 SUSPENSION SYSTEM(S) UNLESS NOTED OTHERWISE ABOVE.

A. Manufacturers:
   1. Same as for acoustical units.
   2. Armstrong World Industries, Inc:www.armstrong.com.
   3. Substitutions: See Section 01 60 00 - Product Requirements.

B. Suspension Systems - General: ASTM C 635; die cut and interlocking components, with stabilizer bars, clips, splices, perimeter moldings, and hold down clips as required.

C. Exposed Tee Steel Suspension System: Formed galvanized steel, commercial quality cold rolled; heavy-duty.
   1. Profile: Tee; for square edge panels 15/16 inch wide face.
   2. Construction: Double web.
   3. Finish: White painted.
   4. Product: Prelude XL, 15/16" by Armstrong.

2.03 ACCESSORIES

A. Support Channels and Hangers: Galvanized steel; size and type to suit application and ceiling system flatness requirement specified.

B. Perimeter Moldings: Same material and finish as grid.

C. Acoustical Sealant For Perimeter Moldings: Non-hardening, non-skinning, for use in conjunction with suspended ceiling system.

D. Gasket For Perimeter Moldings: Closed cell rubber sponge tape.

E. Touch-up Paint: Type and color to match acoustical and grid units.

F. Acoustical Insulation: Specified in Section 07 21 00; Specified in Section 07 21 00.
   1. Thickness: 3 1/2" inch.
   2. Size: To fit acoustical suspension system.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that layout of hangers will not interfere with other work.

3.02 INSTALLATION - SUSPENSION SYSTEM

A. Install suspension system in accordance with ASTM C 636, ASTM E 580, and manufacturer's instructions and as supplemented in this section.

B. Rigidly secure system, including integral mechanical and electrical components, for maximum deflection of 1:240.

C. Lay out system to a balanced grid design with edge units no less than 50 percent of acoustical unit size.

D. Locate system on room axis according to reflected plan.

E. Install after major above-ceiling work is complete. Coordinate the location of hangers with other work.

F. Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are spliced, avoid visible displacement of face plane of adjacent members.

G. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.

H. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capability.

I. Support fixture loads using supplementary hangers located within 6 inches of each corner, or support components independently.

J. Do not eccentrically load system or induce rotation of runners.

K. Perimeter Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other interruptions.
   1. Install in bed of acoustical sealant or in bed of acoustical sealant.
   2. Use longest practical lengths.
   3. Miter or Overlap and rivet corners.

L. Form expansion joints as detailed. Form to accommodate plus or minus 1 inch movement. Maintain visual closure.

3.03 TOLERANCES

A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.

B. Maximum Variation from Plumb of Grid Members Caused by Eccentric Loads: 2 degrees.

END OF SECTION 09 51 00