ADDENDUM TO
SPECIFICATIONS ENTITLED
"SPECIFICATIONS FOR
1206 FLORA STREET MILL RENOVATION
ROOF REPLACEMENT
STATE PROJECT NO. H27-Z371 50003309-2
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA 29201"

**ADDENDUM NO. 2** **SEPTEMBER 26, 2019**

The Specifications and Drawings contained in the project manual entitled "Specifications for 1206 Flora Street Mill Renovation, Roof Replacement, State Project No. H27-Z371 50003309-2, University of South Carolina, Columbia, South Carolina 29201" are amended as follows:

**GENERAL**

1. The **Bid Open** time and date has been changed to **3:00 p.m., October 8, 2019**. The location will be 1300 Pickens St., Columbia, SC 29208, in Room 100C.

2. Reference requests for Roofing Materials substitutions, three roofing system manufacturers have been included in the specifications for the modified bitumen roofing system, which are Soprema, Johns Manville, and Siplast. Three coating manufacturers are included, which are ALDO Products, Firestone Building Products, and GAF. No other roofing system manufacturers will be added for this project.

3. The following questions were submitted. The responses are also included:

   Question: Specs call for scaffolding system roof access. May we use a ladder system with fall arrest?

   **Re: Ladder system will be acceptable. Follow OSHA requirements as a minimum.**

   Question: Could you please provide more information on the structural framing detail needed to close in the openings. Lumber dimension, spacing, hanger spec, etc.

   **Re: Joist hangars are included with this Addendum. Refer to Section 061000 – ROUGH CARPENTRY. Also, see A103 for beam spacing.**

   Question: Will an additional license qualification be needed other then SR (specialty roofing) due to all the structural framing?

   **Re: No other license is required.**

   Question: Specs call for "Boiler Insurance" Please advise?

   **Re: In AIA Document A201, 11.3.2, requires Boiler and Machinery Insurance "required by the Contract Documents or by law". This requirement is not applicable to this project.**

Question: Is the roofing contractor to remove all abandoned vents, skylights, ac units, etc. on roof?... is the roofing contractor to include patches over the holes in the deck? Will there be a new Mechanical or Plumbing plan.

**Re: See Specification Section 017320-SELECTIVE DEMOLITION AND Section 070000 – ROOFING PREPARATION for removal requirements and addressing the openings. Also refer to the Roof Plan. No new mechanical or plumbing work in this project. Demolition of all abandoned equipment above roof deck shall be the responsibility of the Roofing Contractor. Demolition of all equipment below the roof deck has been included in a separate project.**

**SPECIFICATIONS**

**SECTION 010000 – GENERAL REQUIREMENTS**

1. Reference Paragraph 1.4.A.4, add the following:

   b. Repairs for the metal roof skylight shall consist of sealing around skylights and applying a translucent coating over the skylights.

2. Reference Paragraph 1.4.A, add the following:

   6. Fabrication and installation of roof access ladder from Area B to Area C.
   7. Furnish and install new Safety anchorage system per layout shown in Drawings. Refer to Drawings for materials, specifications, and installation requirements.

3. Reference Paragraph 1.4.B, add the following:

   1. Under Alternate No. 1, replace the skylights on the metal roof with new.

**SECTION 017320 – SELECTIVE DEMOLITION**

4. Reference Paragraph 3.1.F, delete “sanitary vents”. All sanitary vent pipes are to remain.

5. Reference Section 3.1 - REMOVALS, add the following paragraph:

   M. In the event Alternate No. 1 is accepted, remove existing skylights and replace with new. There are 14 skylights. Assume size is approximately 4 feet x 10. Field verification will be required prior to ordering new materials.

**SECTION 061000 – ROUGH CARPENTRY**

6. Reference PART 2 – PRODUCTS, add the following:

2.3 JOIST HANGERS

A. LUS/HUS/HHUS/HGUS Double -Shear Face-Mount Joist Hangers by Simpson Strong Tie or equal meeting the following:
   1. Galvanized
   2. Sized for 2x6 joists
   3. Model LUS26SS with smooth shank stainless steel nails.

7. Reference Section 3.1 - GENERAL, add the following:

E. Furnish and install new nominal 6-inch wide wood blocking at all eaves, edges and openings as required for blocking to finish flush with the top of the roof insulation.

**SECTION 070000 – ROOFING PREPARATION**

8. Reference PART 2 - PRODUCTS, add the following:

2.2 ROOF ACCESS LADDER

A. Manufacturers:

1. Acceptable Manufacturer: Precision Ladders, LLC.
2. Submit substitution requests under requirements listed in this Section.

B. Aluminum Fixed Vertical Ladder:

1. Aluminum Fixed Vertical Ladder and Components: Ladder, floor mounting brackets, and walk thru.

   a. Model: Model FL-*** (***=vertical height in inches) Aluminum Fixed Vertical Ladder as manufactured by Precision Ladders LLC.
   b. Capacity: Unit shall support a 1000 lb. (454 kg) loading without failure.
   c. Performance Standard: Units designed and manufactured to meet or exceed ANSI A14.3 and OSHA 1910.27.

2. Components:

   a. Ladder Stringer: 2-1/2 inch by 1-1/16 inch by 1/8 inch (64 mm by 27 mm by 3 mm) extruded 6005-T5 aluminum channel. Pitch: 90 degrees.
   b. Ladder Tread: 2-1/4 inch by 3/4 inch by 1/4 inch (57 mm by 19 mm by 6 mm) extruded 6005-T5 aluminum with deeply serrated top surface.

c. Ladder Mounting Bracket: 8-1/2 inch by 2 inch by 3 inch by 1/4 inch thick (216 mm by 51 mm by 76 mm by 6 mm) aluminum angle.

d. Walk-Thru:

1) Hand Rails: 1-1/4 inch (32 mm) aluminum square tube with rounded edges.
2) Mounting Brackets: 4 inch by 4 inch by 1/4 inch (102 mm by 102 mm by 6 mm) aluminum.
3) Side Rails: 42 inch (1067 mm) side rail extension for through ladder exits.

e. Finishes:

1) Standard: Mill finish on aluminum ladder components.
2) Optional Finishes:
   a) Powder Coated
   b) Anodized

C. Fabrication:

1. Submit shop drawings for review prior to ordering materials.
2. Completely fabricate ladder ready for installation before shipment to the site.
3. Completely fabricate handrail components and ship to site ready for field assembly and attachment to ladder.

2.3 METAL ROOF SKYLIGHT REPLACEMENT

A. PBR Panel/R-Panel Fiberglass Panels by Stabilit America, Inc. or equal; consisting of an 80z Acrylic Modified Polyester Translucent Panel Chopped Strand+Woven Roving Fiberglass Reinforcement.

9. Reference PART 3 - EXECUTION, add the following paragraphs:

3.4 ROOF ACCESS LADDER INSTALLATION

A. Refer to Roof Plan for approximate ladder location.
B. Follow manufacturer's latest printed instructions.

3.5 METAL ROOF SKYLIGHT REPLACEMENT

A. Field verify the skylight dimensions and metal roof panel profile.
B. Follow skylight manufacturer's installation instructions.
C. Provide all necessary accessories and fasteners.

**SECTION 75520 – SBS-MODIFIED BITUMINOUS MEMBRANE ROOFING**

10. Reference Paragraph 3.1, Table 3-1, delete "1-inch" and insert "2-inch". The total R value for the two layers of insulation shall be minimum R20. There will be two layers of 2-inch

thick polyisocyanurate insulation (4 inches total) under the cover board. Add new wood blocking over existing wood blocking at perimeter and curb conditions to accommodate the insulation thickness added.

**DRAWINGS**

1. Delete Drawings A-101 and A-203 in their entirety and replace with Drawings A-101 (Addendum No. 2) and A-203 (Addendum No. 2).

2. Add new Drawing A-103 (Addendum No. 2).

Nothing herein is to be interpreted or construed as changing any provisions of the specifications except as specifically stated herein.

Attachments: Drawings A-101, A-103 and A-203 (Addendum No. 2).

END OF ADDENDUM