Addendum # 3

Contract Number: UMA16-02
Project Number: 1003111
Speedtype: 153228
Title: Conte, Window Leak Repair & Replacement

The attention of the bidders submitting proposals for the above subject project is called to the following addendum to the specifications and drawings. The items set forth herein, whether of omission, addition, substitution, or clarifications, are all to be included in and form a part of the proposal submitted.

The number of this Addendum (3) must be entered in the appropriate space “B. This bid includes addenda numbered (list all addenda) _____” found on Page 51 – Form For General Bid, and/or Page 59 - Form for Sub-Bid “B. This sub-bid includes addenda numbered (list all addenda)_____.”

Item 1:
Question: What do we know about the existing roofing system? For example, what do we know about the existing insulation thickness, vapor barrier, etc.?

Answer: We have not made test cuts in the existing roofing system, and we do not have roofing shop drawings for the currently installed roof. The existing drawings show our best assumption of the existing roofing system.

Item 2:
Question: Is the EPDM roof currently under warranty? If so, do we have to maintain it?

Answer: We do not know if the existing EPDM roof is currently under warranty. Our best assumption is that the existing EPDM roofing is original to the construction of the building, which was constructed in the early 1990s (the design drawings are dated 4 January 1991, and indicate that record drawings were submitted in March 1995).

Item 3:
Question: Do we have to build plywood boxes around all penetrations, or only around the railing penetrations?

Answer: Plywood boxes are required only around railing penetrations.

Item 4:
**Question:** What is the access like to install the vapor barrier membrane under the existing steel deck at the roof penetrations? Are there restricted working hours for this work, and how do we coordinate working times with the University?

**Answer:** The existing ceiling is a dropped ceiling. Section 011000-1.8-G lists permissible work hours at the interior are 6:30 a.m. to 4:00 p.m. for quiet work and set-up, clean-up, and 7:00 a.m. – 3:30 p.m. for noisy work and dust-generating work. Access to specific rooms will need to be coordinated and approved in advance with UMass to minimize disruption to occupants.

**Item 5:**

**Question:** If we disturb the fireproofing beneath the steel deck when installing vapor barrier at the existing roof penetrations, are we responsible for repairing it?

**Answer:** Typically, the existing fireproofing is only on the structural steel members (e.g., beams and columns) and not on the underside of the steel roof deck. Per specification section 075000-1.2-A-2, “Protect the interior spaces during construction against damage”. Should the fireproofing be damaged during the installation of the vapor barrier beneath the steel deck, identify the manufacturer and type of the existing fireproofing. The following language applies to the general installation of fireproofing:

1.1 **FIREPROOFING GENERAL INSTALLATION**

A. Prep existing surface in accordance with the fireproofing manufacturer’s published instructions and recommendations.

B. Protect adjacent surfaces and equipment from damage by overspray, fallout, and dusting.

C. Only apply primer to freshly cleaned surfaces. All surfaces must be clean, dry, and free of oil, grease, and other contaminants.

D. Prepare only as much area as can be primed or first-coated during the same working day. Any cleaned surfaces not coated on the same day as cleaning shall be recleaned before they are primed or first-coated. If any visible rust forms on the surface after preparation procedures, remove rust in affected areas with power tools prior to painting.

E. Reclean and recoat any surface damaged by power-tool cleaning or other causes as directed by the Engineer.

F. Apply primer/adhesive where necessary to obtain bond strength of fireproofing to steel shop paint and field-applied primer and paint and where recommended by the fireproofing manufacturer. Follow manufacturer’s instructions.

G. Apply the fireproofing in accordance with UL fire-test report and the manufacturer’s application instructions.

H. Measure thickness of existing fireproofing.

I. Thickness of fireproofing to match the existing adjacent thicknesses.

J. Apply the fireproofing in a monolithic covering of uniform density and texture, free of seams, staging breaks, holes, voids, and other defects that might impair the fire resistance. Install the fireproofing to the full required thickness over entire area of each surface to be covered.
K. Patch all materials damaged by other trades in accordance with the manufacturer’s written instructions.

L. Allow all materials to completely dry according to manufacturer’s recommendations before covering.

Item 6:
**Question:** Can we use a crane to hoist our materials?

**Answer:** Coordinate location of cranes and other lifting or hoisting equipment with the Owner.

Item 7:
**Question:** Do we have to do anything with the existing lightning protection cables that run across the roof, except for flashing the locations where it penetrates the roof?

**Answer:** No, no additional work is required at the lightning protection cables except for flashing them, per Sheets EN/2.0 and EN/2.1.

Item 8:
**Question:** Where they are not in our way, can we leave the concrete pavers in place on the roof during our work?

**Answer:** Yes, it is acceptable to leave concrete pavers in place where they do not interfere with roofing work. Per Specification Section 075000-1.2-7, “Move, temporarily store, and reinstall existing walkway pavers as necessary to complete roofing work.”

Item 9:
**Question:** Is detail 6/EN-2.1 (Typical Silicone Sheet Repair at Coping) in our scope?

**Answer:** No, detail 6/EN-2.1 is not in the scope of the roofing and flashing filed sub-bid.

Item 10:
**Question:** Who is responsible for the flashing in the curtain wall?

**Answer:** The scope of the roofing and flashing sub-bid includes the following types of flashing, as described in Specification Section 076200-1.2-A-1:

- Through-wall flashing at the greenhouse roof (1/EN-3.3, 1/EN-4.0, 2/EN-4.0, 5/EN-4.0)
- Through-wall flashing at the curtain wall sill (7/EN-3.1, 8/EN-3.1, 6/EN-3.2 (similar))
- Through-wall flashing at the head of the curtain wall (9/EN-3.1)
- Surface-mounted flashing at the canopy roof (5/EN-3.3)

Item 11:
**Question:** Do we own the metal flashing in detail 6/EN-3.2 (Section: Door Sill in Curtain Wall)?

**Answer:** Yes, the metal flashing shown in detail 6/EN-3.2 is included in the roofing and flashing filed sub-bid, because it will be integrated with the other curtain wall sill flashing details.

Item 12:
**Question:** Do we own the flashing in detail 2/EN-3.3 (Section: Curtain Wall Head at Limestone)?
Answer: No, the flashing in detail 2/EN-3.3 is silicone sheet flashing, and is not the responsibility of the roofing and flashing subcontractor.

Item 13:
Question: Is the curtain wall at the stairs near elevation O7 (7A/EN-1.0) in scope?

Answer: No, the curtain wall at the staircase pictured in detail 7A/EN-1.0 is not in scope. Sheets EN-1.0 and EN-1.1 indicate all sections of curtain wall that will be replaced as part of this project.

Item 14:
Question: Other than the flashing shown in details 1/EN-4.0, 2/EN-4.0, 5/EN-4.0 and 1/EN-3.3, do we have any other work at the greenhouse and skylight?

Answer: The through-wall flashing above the greenhouse in details 1/EN-4.0, 2/EN-4.0, 5/EN-4.0 and 1/EN-3.3 is the only work in the base bid for the roofing and flashing filed sub-bid.

Item 15:
Question: Does anything change in our scope with Add Alternate #1?

Answer: Add Alternate #1 adds the replacement of the curtain wall at Elevations G1 and G2 (10/EN-1.1 and 11/EN-1.1) to the scope of work. Add Alternate #1 includes the additional head and sill flashing at curtain wall Elevations G1 and G2 for the roofing and flashing filed sub-bid.

Item 16:
Question: When does the work have to be completed?

Answer: Specification section 013100 lists 30 June 2016 as the date of substantial completion,