

ADDENDUM

ADDENDUM NO. 2 October 19, 2017

As a prospective bidder, note the following revisions to the Contract Documents for the **TERMINAL ROOF REPLACEMENT PROJECT** at ERIE INTERNATIONAL AIRPORT, TOM RIDGE FIELD, ERIE, PENNSYLVANIA:

I. REVISIONS TO THE CONTRACT DOCUMENTS:

1. Specification Section 075323, 2.6, D., add the word “minimum”. Revise paragraph D to read as follows:

D. Cover Board: ASTM C 1177/C 1177M, glass-mat, water-resistance gypsum substrate, minimum 1/2-inch-thick, factory primed.
2. DELETE Specification section 077200 in its entirety. Roofing contractor is not responsible for new RTU roof curbs in this bid. All new RTU roof curbs and RTU extensions will be provided under separate contract.
3. DELETE Detail 3/A-502. Roofing contractor will be responsible for providing new counterflashing at new RTU roof curbs, provided under separate contract.

II. THE FOLLOWING QUESTIONS AND RESPONSES WERE RECEIVED/PROVIDED DURING THE BIDDING PROCESS AND ARE TO BE INCORPORATED INTO THE CONTRACT DOCUMENTS:

1. Do you know what is underneath the EPDM membrane?

Response: 2-4" of cellulose or polyisocyanurate.

2. It is typical during the bidding process to know what is under the existing roof system. Usually a core cut is done by the contractors or someone does the core cuts in advanced and shares the information. Is there a second roof under it?

Response: Three areas were cored to the deck. These areas were roofs 1B, 2 and 7. No second roof was present in any of the cored areas.

3. What is the condition of the deck?

Response: Deck appeared to be in good condition where cores were taken.

4. The spec also mentions asbestos. Is there a roof underneath containing asbestos? Without knowing what is underneath we will have to figure worst case scenario.

Response: MBI did not sample for asbestos.

5. The insurance required in the general conditions requires some insurance which is typically required for daycare, nursing homes, health care, and schools. Do you want this coverage? See message below from our insurance carrier:

Under (1) Commercial General and Umbrella Liability Insurance - The request states, there shall be no endorsement or modification of the CGL policy which limits coverage for liability arising from claims based on sexual abuse or molestation and if so, a separate insurance policy would need to be provided for claims based on sexual abuse or molestation.

Response: Yes, this requirement is mandated by conditions of the state grant that funds this project.

6. The spec 72100 lists foil faced polyiso insulation. Foil faced tapered insulation boards are not available.

Response: Tapered boards are not required to be faced.

7. You can only get flat insulation boards in foil faced insulation. Also foil faced insulation cannot be adhered. Do you want to change the entire insulation system to standard polyiso insulation with fiber reinforced paper facers?

Response: The membrane is not adhered to the insulation it is adhered to the coverboard. See ACFoam Supreme ASTM C1289, Type I, Class 1, Grade 2 (20 psi)

8. The spec 72100 lists mechanical and adhering the roof insulation. Do you want the insulation mechanically fastened or adhered? Please keep in mind the spec lists vapor shield MD which cannot be adhered unto. Also foil faced insulation cannot be adhered.

Response: A variety of acceptable systems exist see Roof Nav FM Global

9. Does all existing wood blocking remain or get replaced? Do we replace wood along the walls? Do we replace blocking under HVAC units?

Response: Any wet or damaged wood blocking must be replaced. Curbs need to be extended as required.

10. Spec 61600 lists Dens deck/ insulation to be installed on brick walls and parapet walls. The drawings do not show any dens deck or insulation on walls. What do you want installed on the walls and where? Do we just glue rubber to the walls as shown on the drawings?

Response: Dens deck over 2 inches of insulation is to be installed on brick walls to be covered with EPDM (wall between Roofs 1A and 2) and Dens deck is required under new membrane and flashing for parapet walls per spec.

11. Spec 70150 item 3.4 D says to remove and replace existing parapet sheathing. The drawings do not show replacing parapet sheathing. Does parapet sheathing get replaced and with what product?

Response: Dens deck is to be installed on parapet walls per spec.

12. Spec 70150 item 2.4 A lists a recover board of $\frac{1}{2}$ " gypsum on the steel deck. The drawings do not show a recover board. Do you want this board?

Response: Board is only required if FM system requires protection if a flammable vapor retarder/barrier is placed below both layers of insulation. If a fire-resistant vapor retarder is acceptable to meet system requirements and is not required to be separated from the deck it may be used. If the system permits placement of the vapor barrier between the layers of insulation it is also acceptable.

13. Spec 72100 item 2.1 B lists foil faced parapet wall and soffit insulation. The drawings do not show any insulation on parapets and soffits. Where do you want this insulation and what thickness? Also please keep in mind we cannot glue to foil faced insulation.

Response: Dens deck over 2 inches of insulation is to be installed on brick walls to be covered with EPDM (wall between Roofs 1A and 2) and Dens deck is required under new membrane and flashing for parapet walls per spec.

14. Spec 72713 lists a vapor barrier. The drawings do not show a vapor barrier. Where do you want a vapor barrier? Please keep in mind we cannot glue to certain vapor barriers.

Response: A vapor retarder is required. Defer to manufacturer's FM approved system for location and type. If location is optional per system place fire retardant vapor retarder on the metal deck

15. Spec 75323 lists Vapor Seal MD vapor retarder. The drawings do not show a vapor retarder. Do you want a vapor retarder? If yes, where? Please keep in mind we cannot glue Vapor seal MD.

Response: A vapor retarder is required. Defer to manufacturer's FM approved system for location and type. If location is optional per system place fire retardant vapor retarder on the metal deck

16. Spec 75323 item 2.6 D lists dens deck as a cover board. The drawings do not show a cover board. Do you want a coverboard? If yes how do you want the coverboard attached?

Response: *Dens deck is required per spec.*

17. Spec 75323 item 3.11 D lists wind speed warranty coverage of 115 mph. In order to obtain a 115 mph wind speed warranty a 5/8" coverboard is required. The spec only lists a 1/2" coverboard. Are you sure you want a 115 mph wind speed coverage?

Response: *1/2" coverboard meets 115 mph ultimate wind speed requirements per code and DensDeck requirement based on the # of fasteners used per 4'x8' board. If 5/8" coverboard is necessary to meet installer warranty requirements, provide 5/8" to satisfy specifications.*

18. Spec 76200 item 2.1 D lists copings to have a SPRI design of 115 mph. The majority of the building is a gravel stop. Are the gravel stops supposed to meet a SPRI design of 115 mph as well?

Response: *Yes, 115 is an ultimate wind speed SPRI is standard for all roof edges.*

19. Spec 77200 lists roof curbs. Do the existing roof curbs get replaced by this contract? The drawings do not show curb replacement. What is the curb spec for?

Response: *Any wet or damaged wood blocking must be replaced. Curbs need to be extended as required.*

20. The drawings state to provide a minimum 8" curb height. Most if not all of these curbs will need raised to obtain an 8" height. Are these curbs being raised in the previously bid HVAC contract?

Response: *Roof curbs beneath mechanical equipment that require replacements should be replaced. It should be assumed that the curbs will not be extended as needed to accommodate the additional insulation.*

21. Spec 76200 item 2.3 I, states to extend plumbing pipes 24" above roof. The drawings only show 8" above roof. What height do you want the plumbing pipes extended?

Response: *Extend the plumbing pipes to 24" above the new roof membrane.*

22. Drawing A-001 note 12 states to extend condensate pipe from HVAC unit to drain. Do we need to figure the condensate lines? Is this work already covered under the HVAC job previously bid?

Response: Provide new condensate lines to drain as noted.

23. The spec lists a combination working drain and overflow drain. Is this drain spec just for the new drains over the ticket area? Do the existing drains being replaced get a combination overflow and working drain or a standard single working drain only as shown on detail 5/ A-503?

Response: Provide combination drains specified for new drains over ticket area only. Replace all other drains as indicated on the drawings.

END OF ADDENDUM NO. 2