ADDENDUM NO. 3

Date: October 27, 2023

Kalamazoo Central High School Aggregate Panel Removal & Replacement
2432 North Drake Road
Kalamazoo, MI 49006

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated October 6, 2023, by TowerPinkster. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 3-1, and Tower Pinkster Addendum No. 3 dated October 26, 2023 consisting of pages 1 through 3.

A. <u>Refer to the attached Request For Information summary, RFI No. 01 through 10 are included.</u>

ADDENDUM NO. 3

DATE OF ISSUANCE: **October 26, 2023**

PROJECT: **Kalamazoo Central High School Precast Aggregate Panel Removal and Replacement**

2432 North Drake Road
Kalamazoo, MI 49006

OWNER: **Kalamazoo Public Schools**

ARCHITECT'S PROJECT NO.: 23-608.00

ORIGINAL BID ISSUE DATE: October 6, 2023

SCOPE OF WORK

This Addendum includes changes to, or clarifications of, the original Bidding Documents and any previously issued addenda, and shall be included in the Bid. All of these Addendum items form a part of the Contract Documents. The Bidder shall acknowledge receipt of this Addendum in the appropriate space provided on the Bid Form. Failure to do so may result in disqualification of the Bid.

DOCUMENTS INCLUDED IN THIS ADDENDUM

This Addendum includes **<insert number>** pages of text and the following documents:

- Bidding Documents: **<insert number>**
- Contract Conditions: **<insert number>**
- Specification Sections: **<insert number>**
- Drawings: **<insert number>**

CHANGES TO SPECIFICATIONS

None

CHANGES TO DRAWINGS

ADD-3 Item No. D-1 - Bid RFI's

Refer to Sheet(s) Not Reissued: All Sheets

RFI's received by Architect from Construction Manager where not numbered and are paraphrased as part of this Addendum.

RFI No. 1: Insulated metal panel over existing plywood sheathing requirement.

Occurs at all locations on exterior elevations designated with an “X” through the exterior elevation. At locations with an "X" through the elevation no existing aggregate panels exist, and aggregate panels have been pulled off as part of a different project. At those locations existing plywood is the substrate the new insulated metal panels will be attached to.

RFI No. 2: Is rigid insulation required where shown on Architectural details and is it to be sealed tight.

Yes, this is required. Rigid insulation is required to fill the void between the new insulated metal panels and the existing building structure. Alternatively spray foam or mineral wool could be used but due to winter weather we detailed rigid insulation.

RFI No. 3: Detail 20BA325.A shows a wet seal. Is this required? Or should end joints be flashed as per spec?

Follow spec and use flashing.

RFI No. 4: Metal wall panel accessories. What type of trims should be used for all the details on this project? Extruded or formed flashing?

Formed flashing is acceptable.

RFI No. 5: Metal wall panel accessories. Should stainless steel panel clips be used or will galvanized steel be acceptable?

Galvanized steel clips are acceptable.

RFI No. 6: Window head and sill flashing material. 0.40 inch (20GA) thick is specified. Will 22GA steel be acceptable?

22 gauge is acceptable.

RFI No. 7: Is self-adhering high temperature sheet flashing under window head and canopy required?

No, omit and delete.

RFI No. 8: Field Quality Control. Are tests listed as specified in spec section “Insulated Metal Wall Panels (07 4213) required?

Yes, third party testing is required. Contractor responsible that all test criteria are met.

RFI No. 9: What are the sheet metal flashing and trim color and finish requirements?

Two coat standard finish is fine. Color to be selected from manufacture full range of colors and shall match the insulated metal panels.

RFI No. 10: What are the roof specialties color and finish requirements?

Two coat standard finish is fine. Color to be selected from manufacture full range of colors and shall match the insulated metal panel.

END OF ADDENDUM.

10/24/23

Kalamazoo Central High School

PLANS

Missing Detail – "New 3" insulated metal panel over existing plywood sheathing" For example, there are multiple elevations on A305.A calling this out. One of them shows details 12A & 12B/A324.A but when you go to those details there is no mention of the existing plywood sheathing. It shows metal stud walls.

At locations with a "X" through the elevation no aggregate panels exist and has been pulled off as part of a different project. At those locations existing plywood is the substrate the new insulated metal panels will be attached to.

"Rigid insulation as required to fill void form tight and seal all joints" This is called out on almost every detail, 1'-0" at the top and 1'-0" at the bottom of each section getting new insulated metal wall panels. What is the purpose of this insulation? Is it required?

Rigid insulation we believe is required to fill the void between insulated metal panels and the existing structure. Alternatively spray foam or mineral woll could be used but do to winter weather we detailed rigid insulation.

Detail 1B/A321.A "3" rigid insulation – form tight and seal all joints" and "3" rigid insulation as required to fill void form tight and seal all joints" How are we supposed to install the new 3" insulation in both spots if the existing metal studs are going to remain and won't be removed? You want us to cut small pieces of insulation to fit in between the metal studs then seal all of the joints?

Yes
Alternatively spray foam or mineral woll could be used but do to winter weather we detailed rigid insulation.

07 4213 INSULATED METAL WALL PANELS

3.3 FOAMED-INSULATION-CORE METAL WALL PANELS

A. 8. Horizontal Panel – End Joint: End joint shall be Flashings, exposed wet seals are not permitted.

Detail 20B/A325.A "Vertical Joint" shows a wet seal joint

Do we follow the detail on the plans and provide a wet seal or follow the spec and use flashing?

Follow spec and use flashing.

3.4 METAL WALL PANEL ACCESSORIES

C. Extrusion Trim: Provide manufacturer-provided extruded trim as indicated on the Drawings: 1. Base Trim.

Some base details show what looks like an extruded trim, some show formed flashing, some show both extruded trim and formed flashing.

D. Formed Flashing and Trim: Match material, thickness and color of metal wall panel face sheets.

Detail 15B/A325.A "Outside Corner Detail" shows an extruded corner trim.

What type of trims should be used for all of the details on this project? Extruded or formed flashing?

Formed flashing is acceptable.

F. Panel Attachment Clips: Stainless steel clip.

Do you want stainless steel panel clips or will galvanized steel be acceptable?

Galvanized steel clips are acceptable.

3.3 MISCELLANEOUS MATERIALS

C. 1. Window Head & Sill Flashing (at existing windows): Formed from galvanized steel sheet 0.40 inch (20GA) thick

Will 22GA steel be acceptable for this flashing? 20GA steel material is going to be special order and would require a minimum purchase, far more than what is needed. There would also be an extended lead time.

22 gauge is acceptable

4.2 INSULATED METAL WALL PANEL INSTALLATION

E. 1. Install self-adhering, high-temperature sheet: under window head canopy flashing.

Is this not from a previous project and should be deleted from the spec?

Yes, omit and should be deleted.

4.3 FIELD QUALITY CONTROL

A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections.

B. Water-Spray Test: After installation, test area of assembly indicated by Owner's testing agency for water penetration according to AAMA 501.2.

E. Additional tests and inspections, at Contractor's expense, are performed to determine compliance of replaced or additional work with specified requirements.

Does any of this apply to this project?

Yes, third party testing is required. Contractor responsible that all test criteria are met.

07 6200 SHEET METAL FLASHING AND TRIM

2.2 SHEET METALS

B. 1. Dark Bronze Anodic Finish

2. a. Three-coat Fluoropolymer

b. Color: As selected by Architect from manufacturer's full range

Is the color going to be dark bronze? The spec calls out a color/finish but also says the color will be selected. A three-coat finish on this material is going to be special order and would require a minimum purchase, far more than what is needed. There would also be an extended lead time.

I recommend going with a standard two-coat finish in a manufacturer's standard color. You'll get a 30 year finish warranty versus the 20 year you get with a three-coat finish.

Two coat finish is fine. Color to be selected from manuf. full range of standard colors.

07 7100 ROOF SPECIALTIES

2.2 ROOF-EDGE SPECIALTIES

A. 3. b. Finish at Metal Panel 2: Three-coat fluoropolymer. Color to match Architect's sample.

c. Finish at DCMU and Metal Panel 1: Color anodic. Color: Dark Bronze

The edge metal on the flat roof is going to match the color of the insulated metal wall panels correct? Same issue as above with the three-coat finish. Is this portion of the spec from a previous job? There is only one metal panel color.

I recommend going with a standard two-coat finish in a manufacturer's standard color. If this is three-coat and the wall panels are two-coat they will not match when they are installed on the building. We should be able to match the insulated wall panel color with a standard color selection. If not, a special order to match with two-coats would be less expensive to get. You'll get a 30 year finish warranty versus the 20 year you get with a three-coat finish.

Two coat finish is fine. Color to be selected from manuf. full range of standard colors.