GREENBRIER COUNTY BOARD OF EDUCATION
GREENBRIER COUNTY, WEST VIRGINIA

ALDERSON ELEMENTARY SCHOOL ADDITIONS AND RENOVATIONS
ADDENDUM #2
OCTOBER 4, 2022

THRASHER PROJECT #060-10180

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated September 13, 2022 and any subsequent addenda. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

A. GENERAL

Reminder: There is an 'open house' scheduled for Bidders to visit the site and inspect the existing conditions on October 6, 2022, between 10:00am and 2:00pm.

Deadline for bidder's questions is October 7, 2022 @ 5:00pm.

Addendum No. 1 was issued on September 27, 2022.

B. SPECIFICATIONS

- **OMIT** Specification Section 074213.13 Metal Panels from the Project Manual**.**
- **REVISE** Index Section 087000 to read as, "087100".
- **ADD** to Specification Section 107300 Pre-Engineered Aluminum Walkway Canopies and Awnings, paragraph 2.3.A, "SkyScape Hanger Rod Canopies".
- **ADD** Specification Section **323121 Aluminum Louver Fencing** as attached to this Addendum.

C. DRAWINGS

None on this Addendum.

D. QUESTIONS AND RESPONSES

Q1. Where is the location of the main disconnect/panel in the gym?
A1. The location is in the inside NE corner of the existing PEMB Gym. See 'open house' note in General above.

Q2. There are no parking lot lighting details. Please clarify.
A2. See Question 21 and 22 and related responses.

Q3. Are there (2) two hanger rod canopies on this job and (1) one cantilevered at 1/2.01 alum canopy under school name, 2/A2.01 east elevation shows aluminum canopy at column S, see 2/A309 detail of cantilevered. Please clarify.
A3. There are two hanger-rod aluminum canopies; south of the Kitchen addition and wrapping the corner outside the PreK / K addition at the SE corner, and one cantilevered aluminum canopy at the north entrance.

Q4. Do the VAV's require a disconnect? If so, does the EC or MC provide them?
A4. Under review. To be addressed in a subsequent addendum.

Q5. Can we move Panel SB to wall on Virginia Street?
A**5.** Under review. To be addressed in a subsequent addendum.

Q6. Will you approve Rockfon/Chicago metallic ceiling tile and grid for this project?
A6. Yes. Subject to compliance with the performance of the specifications, the Rockfon Education Standard SQ41100 and SQ 41101 and the 15/16" Suspensions System would be approved.

Q7. On sheet C1.19 there are references to signs R1-1, W11-2, W16-7PL and W16-7PR but these cannot be found on C1.03. Please clarify if these are needed.
A7. Under review. To be addressed in a subsequent addendum.

Q8. Is there a spec for the trash compactor enclosure gates shown on A5.06?
A8. Specification Section 323121 has been attached to this Addendum.

Q9. Will the Owner pick up the cost for utility tap fees?
A9. Yes. Arrangements need to be made and coordinated by the GC.

Q10. Can the GC utilize the existing building as the jobsite office in lieu of renting a jobsite trailer?
A10. Yes, this would be acceptable. Requirements for communications, lighting, heating and cooling still apply.

Q11. In the specs there are references to metal and soffit panels (spec sections 074213.13 and 074293). Where do these specs apply?
A11. Specification Section 074213.13 Metal Panels have been omitted by this Addendum. Specification Section 074293 Soffit Panels is still applicable at exterior canopy outside of Vestibule 001, Man Trap 002, etc. Refer to Section 2/A3.08.

Q12. Due to the global supply chain issues with material procurement and the current unusual and unpredictable material lead times and delivery timelines, which are out of the Contractor's control, is the Owner willing to forgo the liquidated damages clauses and / or extend the project duration as needed to deal with such issues? Please note the list of unusual delivery timelines of material items ranges from mechanical and electrical equipment to door frames, electrical

fixtures, fire alarm equipment, roofing, finishes flooring, generator, etc. and is constantly changing and Contractors are not able to reasonably predict any and/or all material lead times for the various manufacturers. The Contractors and Vendors are subject to the lead time provided to them by the major material manufacturer's both nationally and internationally.
A12. The Owner, SBA, and Architect are cognizant of the supply chain and availability challenges currently faced by contractors and intend to remain flexible and lenient when dealing with circumstances beyond the contract's control, and when the contractor can demonstrate they attempted to purchase the material in a timely manner. There is no intent to use the liquidated damages clause punitively when the contractor has made reasonable efforts to achieve completion in accordance with the construction schedule.

Q13. Inflation is at a 40-year high, and material pricing is continuing to rise, and not all major material vendors and manufacturers are honoring and / or hold or allowing Contractors and /or Vendors to lock-in pricing upon issuance of a Purchase Order or Contract, thus, these costs are subject to the current market volatility – which is continuing to increase – and escalation cost contingencies are required. Since these are unusual times, we are currently doing business in, please advise if the Owner or the Contractor will be responsible to include a contingency for such material escalation costs. Please note it is advisable in conditions of uncertainty that the Owner designate the Contractor to include a specific contingency amount within their bid to be used for such price escalations, etc. Since the Owner will reap the reward of any savings of unused contingency, it is more desirable the Owner hold this contingency, and the Contractor be required to provide reasonable evidence of price escalation out of the Contractor's control for use of said contingency.
A13. Understood. The Owner will not be responsible for any additional costs for price escalation due to delays in materials being purchased.

Q14. Section 083313 – Coiling Counter Doors. We were not able to find these in the drawings. Please confirm where these doors are located.
A14. See Multi-Purpose Elevation 7/A4.06, Note 8.

Q15. Carrier controls has been requested to being an approved substitution request for the BAS system. Is this acceptable?
A15. Under review. To be addressed in a subsequent addendum.

Q16. Spec section 011000.1.7.G indicates employee screening. Will this requirement for employee background checks be required by owner?
A16. As required for Contractor's compliance with WV Code 21-1D-5 Drug Free Workplace Conformance Affidavit.

Q17. Spec section 026500 is for removal of underground propane storage tanks. While reviewing the plans and pictures from on-site there only appears to be above ground. Is there an underground tank that will need to be removed?
A17. Yes. The location of the underground tanks are shown on the Sheet C1.01. See Sheet C1.02 for demolition notes.

Q18. Spec section 054000.1.5.A leads you to believe we are to send out for engineering design for cold-formed metal framing. Is this required?

A18. Correct. See related info in Submittal and Quality Control specs.
Q19. The roof insulation to be installed. Spec 075323 show we need to install a 1.5" polyiso + 2" Iso + 1/4" tapered insulation system + gyp coverboard. Can we specify an R-Value that needs to be met for this system? This will be overkill if all we are looking for is R-20. Also, roof insulation thickness will only increase in areas which may cause problems with rooftop penetrations (HVAC,Curbs..) The flashing for curbs is 6-8" minimum for warranting purposes. This may result in needing curbs that maintain a greater height above the roof deck.
A19. Subject to compliance with performance and warranty requirements, configuration may vary in accordance with manufacturers requirements and relationship to other systems. Roof R value shall be R-20 minimum.

Q20. Can the architect clearly state which areas of the building that will have an exposed roof deck from the underside? It is in these areas that adhesives will be utilized as the attachment method for each layer of roof which is a significant cost increase compared to mechanically fastening.
A20. This is applicable to the large space in the addition; Concourse 019 and above Title I 021 and Speech 022. See Sheet A1.07 and the area of the addition where no ceiling grid is shown.

Q21. The light poles denoted on SE1.01 are not shown on the civil drawings nor listed in the light fixture schedule. Please provide specs for poles, fixtures as well as concrete bases.
A21. Under review. To be addressed in a subsequent addendum.

Q22. SE1.01 indicates flagpole lights but none are shown for the flagpole nor conduit routing to its location. If lights are required, please provide spec for lights.
A22. Under review. To be addressed in a subsequent addendum.

Q23. A generator pad design cannot be found in the MEP drawings nor civil drawings. Please provide.
A23. Under review. To be addressed in a subsequent addendum.

Q24. Can the bid date of October 18th be extended (7) calendar days?
We are bidding two other projects the week of the 18th.
A24. Request taken under advisement.

Q25. Spec 087000 door hardware schedule is mentioned in the contents but appears to be missing. Will that spec be provided?
A25. Refer to Specification Section 087100 for the door hardware schedule.

Q26. There are no access control devices on the print. Is access control part of this project?
A26. No. This work will be handled by the Owner.

Q27. There are no gym or cafeteria sound systems listed. Are these sound systems part of this project?
A27. Under review. To be addressed in a subsequent addendum.

Q28. Looking over the intercom system. There are no speakers in the gym. Are intercom paging speakers needed in the gym?

A28. Under review. To be addressed in a subsequent addendum.

Q29. 283111 fire alarm specs 3.3 C list Building Reports. Is building reports required on this project?
A29. Under review. To be addressed in a subsequent addendum.

E. CLARIFICATIONS

None on this Addendum.

Sincerely,

THE THRASHER GROUP, INC.

Kenton Blackwood
Senior Project Designer / Project Manager

SECTION 323121 ALUMINUM LOUVER FENCING

PART 1 - GENERAL

1. SECTION INCLUDES

A. Ornamental fixed louver modular fencing panels fabricated with extruded aluminum louvers and flat aluminum bars including extruded aluminum fence posts and aluminum louver gates.

1.2 RELATED REQUIREMENTS

1. Section 03 30 00 - Cast-in-Place Concrete: Concrete footings for support of fence posts.

1.3 REFERENCES

B. American Society for Testing and Materials (ASTM) Publications:

2. ASTM B209 - Aluminum and Aluminum-Alloy Sheet and Plate.

3. ASTM B221 - Aluminum-Alloy Extruded Bar, Rod, Wire, Shape, and Tube.

3. ASTM D2794 - Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).

4. ASTM D3363 - Test Method for Film Hardness by Pencil Test.

1.4 SUBMITTALS

C. Provide in accordance with Section 01 33 00 - Submittal Procedures:

1. Product data for components and accessories.

2. Shop drawings showing layout, dimensions, spacing of components, and anchorage and installation details.

3. Sample: [8 by 10 inches] [203 by 254 mm] minimum size sample of fence panel illustrating design, fabrication workmanship, and selected color coating.

1.5 WARRANTY

D. Provide in accordance with Section 01 77 00 - Closeout Procedures:

4. 10 years warranty for factory finish against cracking, peeling, and blistering under normal use.

PART 2 - PRODUCTS

2. ACCEPTABLE MANUFACTURERS

E. Ametco® Manufacturing Corporation, 4326 Hamann Parkway, P.O. Box 1210, Willoughby, Ohio 44096; 800-362-1360.

F. Architect approved equivalent.

2.1 MATERIALS

G. Extruded aluminum: ASTM B221, Alloy 6063, Temper T-6.

H. Sheet aluminum: ASTM B209 6063, Temper T-6.

I. Grout: Non-shrink type, pre-mixed compound consisting of non-metallic aggregate, cement, and water reducing and plasticizing additives.

2.2 FENCE SYSTEM

Venetian®: V-shaped louver blade providing 100 percent visual blocking.

A. Type: Ornamental fencing system consisting of horizontal, fixed louver, modular fence panels fabricated with extruded aluminum framing bars and supported by extruded aluminum fence posts; Venetian® Aluminum Fixed Louver Fencing as manufactured by Ametco® Manufacturing Corporation.

B. Fence panel:

1. Fixed louver bars: V-shaped extruded aluminum louver bars, 1-3/4 incheswide by 2-1/2 inches high, spaced at 2-5/8 inches and providing 100 percent direct visual screening.

2. Framing bars: Extruded aluminum flat bars welded to ends of louvers.

3. Panel height: As shown.
4. Panel width: As shown.

C. Posts:

1. Type: 3 x 3 inch extruded tubular aluminum sections with solid aluminum caps.

2. Length: As required (exposed)

2.3 GATES

A. Provide gates of type and size indicated on Drawings. Equip gates with manufacturer's standard hardware as required for complete functional operation.

B. Type: Hinged swinging double gate.

1. Construction: Welded frame fabricated from extruded aluminum tubing with aluminum fixed louver panels to match fencing material.

2. Nominal size: Size determined by manufacturer standards.

3. Hardware:

   a. Hinges: Size and type as determined by manufacturer. Provide 2 hinges for each leaf up to 6 feet high and 1 additional hinge for each additional 24 inches in height or fraction thereof.

   b. Latch: 3/4 inch diameter slide bolt to accommodate padlock.

   c. For double gates provide padlockable, 5/8 inch diameter center cane bolt assembly and strike.

2.4 ACCESSORIES

A. Fasteners: Stainless steel bolts of type, size, and spacing as recommended by fence manufacturer for specific condition.

2.5 FACTORY FINISH

A. Aluminum fence panels and posts shall receive polyester powder coating.

B. Polyester powder coating: Electrostatically applied colored polyester powder coating heat cured to chemically bond finish to metal substrate.

4. Minimum hardness measured in accordance with ASTM D3363: 2H.

5. Direct impact resistance tested in accordance with ASTM D2794. Withstand 160 inch-pounds

C. Color: Selected by Architect from manufacturer's standard range.

PART 3 - EXECUTION

3.1 PREPARATION

A. Prior to fabrication, field verify required dimensions.

B. Cast concrete footings in accordance with Section 03 30 00 - Cast-in-Place Concrete as required by manufacturer and approved shop drawings.

1. Minimum footing diameter:

   a. Terminal and gate posts: 12 inches

   b. Intermediate line posts: 10 inches

2. Allow 24 inches minimum embedment of posts.

3. Allow 6 inches minimum concrete beneath post bottom.

C. [Provide setting holes for embedment of fence posts.] Hole shall be 2 inches minimum greater than post width.

3.2 INSTALLATION

A. Install fencing in accordance with manufacturer's installation instructions and approved shop drawings.

B. Install fence posts plumb and level by setting post in hole [cast] in concrete and grouting solid. [by embedding post directly in concrete footing.] Temporarily brace fence posts with 2 by 4 wood supports until [concrete] is set.

C. Do not installed bent, bowed, or otherwise damaged panels. Remove damaged components from site and replace.

D. Secure fence panels with [stainless steel anti-intruder bolts] to fence posts [after posts have been set in footings.]

E. Gates:

1. Install gates and adjust hardware for smooth operation.

2. Provide concrete center foundation depth and drop rod retainers at center of double swinging gate openings.

3. After installation, test gate. Open and close a minimum of five times. Correct deficiencies and adjust.

F. Touch-up damaged finish with paint supplied by manufacturer and matching original coating.

END OF SECTION