Project:

Additions and Improvements to
Horseshoe Bend School for the
Tallapoosa County Board of Education
New Site, Alabama

MCKEE PROJECT NO. 19.224
ALABAMA DEPARTMENT OF CONSTRUCTION MANAGEMENT NO. 2020085

The following changes and/or substitutions to the plans and specifications are hereby made a part of same and are incorporated in full force as part of the contract.

Bidders shall acknowledge receipt of this Addendum in writing on his Proposal Form.

A2.1 GENERAL MODIFICATIONS:

A. Refer to the Advertisement for Bids, Change as follows:

1. The sealed proposal as described above shall be received by Mr. Joseph Windle, Superintendent, at the Tallapoosa County Board of Education, 679 E. Columbus Street, Dadeville, Alabama 36853, until 2:00 PM, Thursday, May 28, 2020, then opened and read aloud.

A2.2 SPECIFICATION MODIFICATIONS:

A. See Section 13670, Extruded Aluminum Canopy [Revised 5.19.20], herein.

A2.3 DRAWING MODIFICATIONS:

A. Refer to the attached drawings as follows:

E2.1 (Revised 05.19.20)
E2.2 (Revised 05.19.20)
E2.3 (Revised 05.19.20)
E5.1 (Revised 05.19.20)

A2.4 CLARIFICATIONS & RESPONSES:

A. See the following responses to RFI questions received from Contractor’s:

Question: Page AS1.1 shows the aluminum canopy terminating at the front of the building but there are not details as to how that termination will be connected. Will details be available?

Answer: See details 8 and 9 on A3.2.
**Question:** The portion of canopy on the same page listed as 14'-0" to underside does not show connection details between the lower and upper canopies. Will details be available?

**Answer:** Use manufacturer’s standard connection.

**Question:** Roof deck is spec’d as flush deck extruded Aluminum but details 8 & 9 on page A3.2 show extruded Pan & Cap. Which one is Correct?

**Answer:** Pan & Cap. Section 13670, Extruded Aluminum Canopy [Revised 5.19.20] attached in this addendum.

**Question:** Spec’s call for standard finish for all components shall be satin anodized but the next line says color to selected from manufacturers standards. Please clarify finish and color.2 show extruded Pan & Cap. Which one is Correct?

**Answer:** Section 13670, Extruded Aluminum Canopy [Revised 5.19.20] attached in this addendum.

END OF ADDENDUM
SECTION 13670 - EXTRUDED ALUMINUM WALKWAY COVER (FLAT CANOPY) [Revised 5.19.20]

PART 1 - GENERAL:

RELATED DOCUMENTS:

Drawings and general provisions of Contract including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

Scope of Work: The work covered by this section shall include furnishings and installing Aluminum Canopy, decking, fascia. The canopy shall consist of structural aluminum panels bound by a framework of fascia which also acts as a water collecting gutter. All components shall be as required to support design loads in accordance with engineering prints and calculations provided by the manufacturer, sizes shown on the drawings are for diagrammatical purposes only.

RELATED DOCUMENTS:

The bidding requirements, general conditions, supplementary conditions, drawings and requirements of division one specification shall apply to work specified in this section.

DESCRIPTION OF WORK:

The extent of aluminum walkway cover is shown on the drawings and as specified herein.

Definition: Type 1, Extruded Aluminum Walkway Cover shall consist entirely of extruded aluminum sections (roll-formed not acceptable). System shall consist of decking, fascia, accessory items and hardware to provide a complete system.

Water shall drain from deck into the existing beams and out at grade level of columns through weepholes.

SUBMITTALS

Shop Drawings: Submit detailed drawings, layout of walkway cover system, all mechanical joint locations with complete details, connections, jointing and accessories.

Product Data: Submit manufacturer's product data, specifications, component performance data and installation instructions.

QUALITY ASSURANCE

Codes and Standards: Comply with provisions of the following except as otherwise indicated.


Manufacturer: Obtain aluminum covered walkway system from only one (1) manufacturer, although several may be indicated as offering products complying with requirements.

Installer Qualification: Firm with not less than three (3) years experience in installation of aluminum walkway covers of type, quantity and installation methods similar to work of this section.

Field Measurements: Take field measurements prior to preparation of shop drawings and fabrication where possible, to insure proper fitting of work. However, allow for adjustments within specified tolerations wherever taking of field measurements before fabrication might delay work.

Shop Assembly: Pre-assemble units in shop to greatest extent possible and disassemble as necessary for shipping and handling limitations. Clearly mark units for reassembly and coordinated installation.
Coordination: Coordinate work of this section with work of other sections which interface with covered walkway system (sidewalks, curbs, building fascias, etc.).

PERFORMANCE REQUIREMENTS:

System Performance: Provide aluminum covered walkway system that has been designed, produced, fabricated and installed to withstand normal temperature changes as well as live loading, dead loading and wind loading in compliance with Standard Building Code requirements for geographic area in which work is located and as follows:

The system shall be designed by a registered Engineer in the State of Alabama, certifying the system meets all wind, foundation and all other applicable loads and requirements set forth by local or state building requirements.

1. Live Load: 30 p.s.f. minimum
2. Structural design for wind forces: Comply with ANSI A58.1-1982
3. Design Wind Velocity: 120 p.h.
4. Importance Factor: 1.1.

Sizes shown on drawings are to be considered minimum.

Roof structure shall be capable of sustaining severe icing, hail, hurricane force winds and supporting a concentrated load such as being walked upon.

PART 2 – PRODUCT

MANUFACTURERS:

The following manufacturers products have been used to establish minimum requirements for materials, workmanship, and function:

Extruded Aluminum Walkway Cover System.

1. Tennessee Valley Metals, Inc. (Basis of Design and Standard of Quality)
   190 Industrial Park Road
   Oneonta, Alabama 35121
   (205) 274-9500; www.tvmetals.com;

2. Dittmer Architectural Aluminum
   1006 Shepherd Road
   Winter Springs, Florida 32708
   (800) 822-1755; (407) 699-1755; www.dittdeck.com; info@dittdeck.com

3. Superior Mason Products LLC.
   116 Citation Court
   Birmingham, Alabama 35209
   (877) 445-1200; www.superiormetalproducts.com; canopysales@superior-mason.com

4. Mitchell Metals
   1761 McCoba Dr. SE Suite B
   Smyrna, Georgia 30080
   (770) 285-5875; www.mitchellmetals.net; sales@mitchellmetals.net

5. Gulf South Metals
   17869 Samantha Drive
   Foley, Alabama 36535

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Dadeville, Alabama

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EXTRUDED ALUMINUM WALKWAY COVER
(CANOPY)
13670-2

Revised 5.19.20
6. Equal products of other manufacturers may be used in the work, provided such products have been approved, by the Architect, not less than ten (10) days prior to scheduled bid opening.

MATERIALS

All aluminum extrusions shall be alloy 6063 heat treated to a T-6 temper.

FINISHES

1. Factory baked enamel finish, AAMA 603.8.
   a. Color to be selected from manufactures standards. Standard Color Selection must include “White”.

Standard finish for all components shall be satin anodize 204-R1 meeting Aluminum Association Specification AA-M-10C-22A-21.

Color to be selected from manufactures standards.

Fasteners:

Deck Screws (rivets not permitted): Type 18-8 non-magnetic stainless steel sealed with a neoprene "O" ring beneath 5/8" outside dimension, conical washer.

Fascia Rivets: Size 3/16" by 1/2" grip range aluminum rivets with aluminum mandrel.

Bolts: All bolts, nuts and washers to be 18-8 non-magnetic stainless steel.

Tek Screws: not permitted

WARRANTY

Manufacturer shall warrant the entire system against defects in labor and materials for a period of one (1) year commencing on the date of substantial completion as established in Division One of these specifications.

Intention of this warranty is the manufacturer will come onto the jobsite and do all necessary to effect corrections of any deficiencies.

Prima Facie Evidence of defects in labor and material may include but is not limited to, one or more of the following:

1. Moisture leaks
2. Metal failure including excessive deflection
3. Fastener failure
4. Finish failure

FABRICATION

Comply with indicated profiles, dimensioned requirements and structural requirements.

Use sections true to details with clean, straight, sharply defined profiles and smooth surfaces of uniform color and texture, free from defects impairing strength and durability.

All welding to be done by heli-arc process.
Bents shall consist of shop welded one piece units. When size of bents do not permit shipment as a welded unit, concealed mechanical joints may be used.

Mechanical joints shall consist of stainless steel bolts with a minimum of two (2) bolts per fastening. Bolts and nuts shall be installed in a concealed manner utilizing 1/2” thick by 1 1/2” aluminum bolt bars welded to structural members. All such mechanical joints must be detailed on shop drawings showing all locations.

**Roof Deck:** Pan and Cap Flush deck extruded aluminum shapes, interlocking self-flashing sections. Shop fabricate to lengths and panels widths required for field assembly. Depth of sections to comply with structural requirements. Provide shop induced camber in deck units with spans greater than 16'- 0" to offset dead load deflections. Welded dams are to be used at non-draining ends of deck.

Expansion joints, design structure for thermal expansion and contraction. Provide expansion joints as required.

Exposed rivets used to fasten bottom of fascia to deck to have finish to match fascia.

Apply a shop applied dip-coat of clear acrylic enamel to each column end terminating in concrete to insulate from electrolytic reaction. Column ends shall be pierced to “key” grout to bent for maximum uplift protection.

**PART 3 – EXECUTION**

**DELIVERY, STORAGE AND HANDLING:**

Deliver, store and handle covered walkway system components as recommended by manufacturer. Handle and store in a manner to avoid deforming members and to avoid excessive stresses.

**EXAMINATION**

Examine adjacent work for conditions that would prevent quality installation of system.

Do not proceed until defects are corrected.

**FIELD DIMENSIONS**

General contractor shall field confirm all existing locations, dimensions and elevations shown on shop drawings prior to fabrication.

**INSTALLATION**

Install roof deck sections, accessories and related flashing in accordance with manufacturer's instructions. Provide roof slope for rain drainage without ponding water. Align and anchor roof deck units to structural support frames.

Assemble all components in a neat, workmanlike manner.

**FLASHING**

Flashings: Flashings required between covered walkway system and adjoining structures are not work of this section. Refer to "Flashings and Sheet Metals", Section 07600.

**CLEANING AND PROTECTION**

Damaged Units: Replace roof deck panels and other components of the work which have been damaged.

Additions and Improvements to Horseshoe Bend School for the Tallapoosa County Board of Education Dadeville, Alabama

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EXTRUDED ALUMINUM WALKWAY COVER (CANOPY) 13670-4

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or have deteriorated beyond successful minor repair.

**Cleaning:** Remove protective coverings at time in project construction sequence which will afford greatest protection of work. Clean finished surfaces as recommended by manufacturer. Maintain in a clean condition during construction.

END OF SECTION
DEAD HUNG 1ST ELECTRIC, 2ND ELECTRIC, AND FRONT OF HOUSE DETAILS

- Pre-wired with 125 degree C type XLP to molded barrier terminal blocks and ground lugs located in junction box.

- Model No. BAL-14-7-7-2PGPT-14'-0" connector strip with 7 20amp stage pins 18" pigtails on 7 circuits with DMX receptacles as shown.

- Pendant mounted from structure.

- System Notes:
  - Track System #1: ATLMAN SMART TRACK - ASL-23330-X-X 2 Circuits per section - DMX CONTROL
  - Track System #2: ATLMAN SMART TRACK - ASL-23330-X-X2 36' Circuits per section - DMX CONTROL

- Panel Mount:
  - Panel: Panel Box - 12 6x6x14
  - Panel: 120 VAC Panel with GFCI Breaker
  - Panel: 20 Amp Panel with GFCI Breaker
  - Panel: 240 VAC Panel with GFCI Breaker

- DMX Control:
  - DMX Control Block - 12x10x14
  - DMX Control Block - 12x10x14

- General:
  - General Notes: Panel Mounts and General Notes located in panel boxes.

- System:
  - System Notes: Panel Mounts and System Notes located in panel boxes.

- Notes:
  - Notes: Panel Mounts and Notes located in panel boxes.

- Front of House Details:
  - Details: Panel Mounts and Front of House Details located in panel boxes.

- Dead Hung Details:
  - Details: Panel Mounts and Dead Hung Details located in panel boxes.
THEATRICAL LIGHT DETAILS

FIXTURE TYPE "WL1"

NO SCALE

FIXTURE TYPE "PL1"

NO SCALE

ALL THEATRICAL LIGHT SHALL BE 50,000 HOURS AT LVD, MINIMUM