

## **ADDENDUM THREE (3)**

TO THE BIDDING DOCUMENTS, CONTRACT DOCUMENTS, SPECIFICATIONS FOR:

**Project:** A Multi-purpose Facility for: Manna Fellowship Church  
17617 S. State Route 291  
Pleasant Hill, Missouri 64080

**Project No.:** 17-738

**Date:** 7/16/19

According to the Project Manual and drawings, dated 6/28/19

### **NOTICE TO GENERAL CONTRACTORS**

Contractors bidding on the above described work are hereby notified that the Drawings and Project Manual, pursuant to which the work is to be done, have been amended as follows. The items are listed and refer to both Drawings and Project Manual as required to complete the work. Contractor to acknowledge receipt of Addendum immediately upon receipt.

### **ADDENDUM THREE (1) – ITEM ONE (1) – DRAWINGS –S1**

Gate post detail added to sheet S1. General notes updated to include steel notes for the gate posts.

### **ADDENDUM THREE (1) – ITEM TWO (2)–SPECIFICATIONS–SECTION 133419 METAL BUILDING SYSTEMS**

#### 1.1 THERMAL INSULATION

- A. Faced Metal Building Insulation: ASTM C 991, Type II, glass-fiber-blanket insulation; **0.5-lb/cu. ft. (8-kg/cu. m)** density; **2-inch- (51-mm-)** wide, continuous, vapor-tight edge tabs; with a flame-spread index of 25 or less.
- B. Unfaced Metal Building Insulation: ASTM C 991, Type I, or NAIMA 202, glass-fiber-blanket insulation; **0.5-lb/cu. ft. (8-kg/cu. m)** density; **2-inch- (51-mm-)** wide, continuous, vapor-tight edge tabs; with a flame-spread index of 25 or less.
  - 1. Vapor-Retarder Facing: ASTM C 1136, with permeance not greater than **0.02 perm (1.15 ng/Pa x s x sq. m)** when tested according to ASTM E 96/E 96M, Desiccant Method.
    - a. Composition: Black metallized-polypropylene film facing, fiberglass scrim reinforcement, and kraft-paper backing.
    - b. Composition: Aluminum foil facing, elastomeric barrier coating, fiberglass scrim reinforcement, and kraft-paper backing.
    - c. Composition: Black polypropylene film facing and fiberglass-polyester-blend fabric backing.
- C. Mineral-Fiber-Blanket Insulation: ASTM C 665, type indicated below; consisting of fibers manufactured from glass, slag wool, or rock wool.
  - 1. Nonreflective Faced: Type II (blankets with nonreflective membrane covering), Category 1 (membrane is a vapor retarder), Class A (membrane-faced surface with a flame-spread index of 25 or less).
  - 2. Reflective Faced: Type III (blankets with reflective membrane covering), Category 1 (membrane is a vapor retarder), Class A (membrane-faced surface with a flame-spread index of 25 or less).
  - 3. Unfaced: Type I (blankets without membrane covering), passing ASTM E 136 for combustion characteristics.
    - a. Vapor-Retarder Facing: ASTM C 1136, with permeance not greater than **0.02 perm (1.15 ng/Pa x s x sq. m)** when tested according to ASTM E 96/E 96M, Desiccant Method.
      - 1) Composition: Matte black metallized-polypropylene film facing, fiberglass scrim reinforcement, and kraft-paper backing.

- 2) Composition: Aluminum foil facing, elastomeric barrier coating, fiberglass scrim reinforcement, and kraft-paper backing.
  - 3) Composition: Matte black polypropylene film facing, fiberglass scrim reinforcement, and metallized-polyester film backing.
  - 4) Composition: White polypropylene film facing and fiberglass-polyester blend fabric backing.
- D. Faced, Polyisocyanurate Board Insulation: ASTM C 1289, Type I (foil facing), Class 2, with maximum flame-spread and smoke-developed indexes of 75 and 450, respectively, based on tests performed on unfaced core. Provide units tested for interior exposure without an approved thermal barrier.
- E. Retainer Strips: 0.025-inch (0.64-mm) nominal-thickness, formed, metallic-coated steel or PVC retainer clips colored to match insulation facing.
- F. Vapor-Retarder Tape: Pressure-sensitive tape of type recommended by vapor-retarder manufacturer for sealing joints and penetrations in vapor retarder.