Project:

RE-ROOFING PROJECT AT
DADEVILLE HIGH SCHOOL FOR THE
TALLAPOOSA COUNTY BOARD OF EDUCATION
DADEVILLE, ALABAMA

MCKEE PROJECT NO. 19-199
ALABAMA BUILDING COMMISSION NO. 2019303

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. None

A2.2 SPECIFICATION MODIFICATIONS:
   A. Refer to Section 07510, Membrane Roof Insulation (Revised 6.24.19), herein.

A2.3 DRAWING MODIFICATIONS:
   A. None

B2.1 CLARIFICATIONS & RESPONSES:
   A. 

END OF ADDENDUM
PART 1 – GENERAL

RELATED DOCUMENTS:

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

DESCRIPTION OF WORK:

This Section applies to insulation products to be used in conjunction with Section 07500.

Extent of roof insulation is indicated on drawings.

All Roof insulation above decking is specified in this section.

1. Install tapered and/or non-tapered polyisocyanurate insulation with new membrane roofing system as described at each roofing system in Section 07500, Membrane Roofing.

QUALITY ASSURANCE:

Insulation Manufacturer: Obtain primary roof insulation from the roofing membrane manufacturer.

Roof System Manufacturer: Shall provide the insulation products which are required to meet its Warranty requirements, as well as Wind Code requirements.

Insurance Certification: Assist Owner in preparation and submittal of roof installation acceptance certification necessary in connection with fire and extended coverage insurance on roofing and associated work.

Thermal Resistivity: Where thermal resistivity properties of insulating materials are designed by r-values, they represent the rate of heat flow through a homogenous material exactly 1" thick, measured by test method included in referenced material standard or otherwise indicated. They are expressed by the temperature difference in degrees F between the two exposed faces required to cause one BTU to flow through one square foot per hour at mean temperature indicated.

Fire Performance Characteristics: Provide insulation materials which are identical to those whose fire performance characteristics, as listed for each material or assembly of which insulation is a part, have been determined by testing, per methods indicated below, by UL or other testing and inspecting agency acceptable to authorities having jurisdiction:

1. UL Class A Non-Combustible rated system.
SUBMITTALS:

Product Data: Submit specifications, installation instructions and general recommendations from manufacturers of insulation materials, for types of roofing required. Include data substantiating that materials comply with requirements.

Tapered Insulation Design Layout: Submit layout to show insulation elevations at ALL peak and valley locations within each roof section, with direction of slopes shown. Any new drains shall be shown on this layout.

JOB CONDITIONS:

Weather: Proceed with work when existing and forecasted weather conditions permit work to be performed in accordance with manufacturer's recommendations and warranty requirements.

SPECIAL PROJECT WARRANTY:

Compatibility: Provide products which are recommended by manufacturers to be fully compatible with indicated substrates or provide separation materials as required to eliminate contact between incompatible materials.

Membrane Adhesive: As recommended by insulation manufacturer for particular substrate and project conditions, formulated to withstand min. 60 p.s.f. uplift force.

PART 2 – PRODUCTS

INSULATING MATERIALS

Provide tapered and non-tapered as indicated on the drawings meeting the following:

1. Install polyisocyanurate insulation (slope per roof plan) and as describe in Section 07500, Membrane Roofing.

2. Must maintain a Minimum total R value of 25 at any given roof area.

MISCELLANEOUS INSULATION MATERIALS

Adhesive for Bonding Insulation (if any required): Type recommended by Roof System Manufacturer, Insta-Stik Foam, or equal, and complying with fire resistance requirements.

Mastic Sealer: Type recommended by Roof System Manufacturer for bonding edge joints and filling voids.

Mechanical Anchors: As recommended by Roof System Manufacturer for deck type, and complying with fire and insurance rating requirements.
PART 3 – EXECUTION

PREPARATION OF SUBSTRATE:

General: Comply with manufacturer’s instructions for preparation of substrate to receive insulation.

1. Verify that deck is securely fastened with no projecting fasteners and with no adjacent units in excess of 1/16” out of plane.
2. Clean substrate of dust, debris, and other substances detrimental to system work. Remove sharp projections.

INSTALLATION:

INSULATION INSTALLATION

General: Insulation is required. Extend insulation full thickness in one layer, or in multiple layers over entire surface to be insulated, cutting and fitting tightly around obstructions. Form cant strips, crickets, saddles and tapered areas with additional material as shown and as required for proper drainage of membrane.

1. Stagger all joints in one direction for each course. For multiple layers, stagger joints both directions between courses. Comply with roofing system manufacturer’s recommendations.

Do not install more insulation each day than can be covered with membrane before end of day and before start of inclement weather.

Set units in adhesive, applied in accordance with requirements of applicable fire and insurance ratings.

Secure roof insulation with coated mechanical fasteners as required by Manufacturer.

INSTALLATION:

General: Comply with manufacturer’s instructions, except where more stringent requirements are indicated.

Roof Manufacturer issuing water-tightness Warranty, agrees to warrant insulation attachment and adhesion as part of its Warranty.

END OF SECTION