

February 18, 2022

ADDENDUM NUMBER ONE (1)

Project: Walter Washington Roof Replacement
Utica Campus
DA PN: 21111
(Hinds Bid # 3241)

FROM: Dean Architecture, P.A.
661 Sunnybrook Road, Suite 140
Ridgeland, MS 39157
(601) 939-7717

The following additions, changes, clarifications and/or substitutions to the Project Drawings as indicated, are hereby made a part of the Contract Documents. Acknowledge receipt of this Addendum by inserting its number and date in the Proposal Form where indicated.

General

Item #1: Attached is the list of attendees at the Pre-Bid Conference held on Wednesday Feb 16, 2022. This is for informational purposes only.

Architectural Specifications

- Item #1:** Section 008020 Hinds Community College Special Conditions
Remove Paragraph 1.01 P. A construction sign is not required on this project.
- Item #2:** Remove the existing Table of Contents and replace with the revised Table of Contents attached.
- Item #3:** Section 004200 Proposal Form – Remove the existing proposal form and replace with the revised Proposal Form attached.
- Item #4:** Section 070150 Preparation for Roofing – Add this section to the project manual. Demolition of the existing roof system including existing roof membrane and parapet wall flashing, 1" polyiso insulation board, EPDM roof membrane and 2" EPS roof insulation down to the existing sloped concrete roof deck. Prepare existing concrete roof deck for installation of new roof system.
- Item #5:** Section 075400 Thermoplastic Membrane Roofing – Remove the existing Section 075419 Polyvinyl Chloride Roofing section and replace with the attached Section 075400 Thermoplastic Membrane Roofing.

Architectural Drawings

Item #1: Remove existing Drawing Sheet A101 Roof Plan / Notes and replace with the revised Sheet A101 Roof Plan / Notes dated Feb 18, 2022 – Revised to remove existing roof system in its entirety and replace with new roof system.

END OF ADDENDUM NUMBER ONE (1)

Dean Architecture, P.A.


Kenneth A. Oubre, AIA, Principal



PLEASE ATTACH THIS ADDENDUM TO THE INSIDE FRONT COVER OF EACH SET OF SPECIFICATIONS.

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PROPOSAL FORM

SECTION 00 42 00

TO: HINDS COMMUNITY COLLEGE DISTRICT
c/o Office of the Director of Purchasing
D.G. "Sonny" Fountain Hall
608 Hinds Boulevard, Room 208
(Post Office Box 1100)
Raymond, Mississippi 39154

RE: Project Title: Walter Washington Roof Replacement
Campus: Utica
HINDS COMMUNITY COLLEGE DISTRICT (Community College Board)
Location: Utica, Mississippi
HCC Bid # 3241, Professional's Project # 21111

I propose to complete all work in accordance with the Project Manual and Drawings within 210 consecutive calendar days for the sum of: (Anticipated start date of March 21, 2022 with completion by October 17, 2022.)

BASE BID: (Write in the amount of the base bid in words and numbers. The written word shall govern.)

Dollars (\$_____)

ALTERNATES: (Write in the amount of all of the alternates in words and numbers. The written word shall govern.)

Alternate #1 () Adds () Deducts Not Applicable

Dollars (\$_____)

Description: _____

Alternate #2 () Adds () Deducts Not Applicable

Dollars (\$_____)

Description: _____

Alternate #3 () Adds () Deducts Not Applicable

Dollars (\$_____)

Description: _____

Alternate #4 () Adds () Deducts Not Applicable

Dollars (\$_____)

Description: _____

Alternate #5 () Adds () Deducts Not applicable

Dollars (\$_____)

Description: _____

ADDENDA ACKNOWLEDGEMENT: (date below can be the date Addendum was issued OR the date Addendum was received by the Bidder)

No. _____ No. _____ No. _____

No. _____ No. _____ No. _____

ACCEPTANCE:

I certify that I am authorized to enter into a binding contract, if this Proposal is accepted.

Signature: _____ Date: _____

Name and Title: _____

Name of Business: _____

Complete spelling of bidder's name and address – **exactly as recorded at the Secretary of State.**

[<http://www.sos.state.ms.us/busserv/corp/soskb/csearch.asp>] which should be the same as you applied for at the Mississippi State Board of Contractors [<http://www.msdoc.us/Search2.CFM>]

(PLEASE LOOK IT UP at SoS. SoS rules when the 2 are different.)

Address: _____ (Mailing)

Address: _____ (Physical)

City / State / Zip Code: _____ County: _____

Telephone: _____ FAX: _____ E-Mail: _____

MINORITY BUSINESS ENTERPRISE? Yes _____ No _____ (to assist with Code 57-1-57)

- **Bidder's Certificate of Responsibility Number(s): (Mechanical/ Electrical/ Plumbing is listed below)**

- **Attach copy of Non-Resident Bidder's Preference Law (5.04 of Bidder's Checklist)**

- **Mechanical / Plumbing / Electrical Sub-Contractors:**

Regarding said Divisions of the Specifications of the Standard Form of Agreement Between the Owner and the Contractor: List any Mechanical / Plumbing and / or Electrical Sub-Contractors that will perform work of this contract regardless of cost even for under \$50,000.00. COR must be included where sub-contract exceeds \$50,000.00. If no sub-contractor is listed, and such work is within scope of contract, bidder's own COR classification(s) must be sufficient to self-perform any such work. If no sub-contractor is listed, then use of sub-contractor to perform such scope will not be permitted. This is in accordance with 5.05 and 5.06 of the Bidder's Checklist.

Mechanical Sub-Contractor: _____ **Certificate of Responsibility Number:** _____

Plumbing Sub-Contractor: _____ **Certificate of Responsibility Number:** _____

Electrical Sub-Contractor: _____ **Certificate of Responsibility Number:** _____

***** END OF SECTION *****

SECTION 070150
PREPARATION FOR RE-ROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Removal of existing roofing system in preparation for a new roof membrane system.

1.02 REFERENCE STANDARDS

- A. ASTM C208 - Standard Specification for Cellulosic Fiber Insulating Board; 2012.
- B. ASTM C1177/C1177M - Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing; 2013.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate with affected mechanical and electrical work associated with roof penetrations.
- B. Preinstallation Meeting: Convene one week before starting work of this section.
- C. Schedule work to coincide with commencement of installation of new roofing system.

1.04 QUALITY ASSURANCE

- A. Materials Removal Firm Qualifications: Company specializing in performing the work of this section with minimum 5 years of documented experience.

1.05 FIELD CONDITIONS

- A. Do not remove existing roofing membrane when weather conditions threaten the integrity of the building contents or intended continued occupancy.
- B. Maintain continuous temporary protection prior to and during installation of new roofing system.

PART 2 PRODUCTS

2.01 COMPONENTS

- A. Refer to following sections for additional information on components relating to this work:
 - 1. Replacement and removal of existing roofing system in preparation for entire new roofing system, refer to Section 075400. Removal of existing Durolast membrane 1" polyiso board, EPDM membrane, 2" EPS board over sloped concrete decking. Removal of parapet wall membrane including termination bar over top of masonry parapet wall.

2.02 MATERIALS

- A. Temporary Protection: Sheet polyethylene; provide weights to retain sheeting in position.
- B. Protection Board: ASTM C208 cellulose fiber board, one face finished with mineral fiber, asphalt and kraft paper.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that existing roof surface is clear and ready for work of this section.

3.02 PREPARATION

- A. Sweep roof surface clean of loose matter.
- B. Remove loose refuse and dispose off site.

3.03 MATERIAL REMOVAL

- A. Remove only existing roofing materials that can be replaced with new materials the same day.
- B. Remove roofing membrane, perimeter base flashings, flashings around roof protrusions, pitch pans and pockets. as noted on drawings.
- C. Remove insulation and fasteners, cant strips, blocking.
- D. Repair existing concrete deck surface to provide smooth working surface for new roof system.

3.04 FIELD QUALITY CONTROL

- A. The drawings identify the exact limits to material removal.

3.05 PROTECTION

- A. Provide protection of existing roofing system that is not having work performed on it.
- B. Provide temporary protective sheeting over uncovered deck surfaces.
- C. Turn sheeting up and over parapets and curbing. Retain sheeting in position with weights.
- D. Provide for surface drainage from sheeting to existing drainage facilities.
- E. Do not permit traffic over unprotected or repaired deck surface.

END OF SECTION

SECTION 075400
THERMOPLASTIC MEMBRANE ROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Adhered system with thermoplastic roofing membrane (60 Mil) or Polyvinyl-Chloride membrane (50 Mil)
- B. Insulation, flat.
- C. Roofing stack boots as required by manufacturer of roofing membrane.
- D. Roof Drain Strainers - (5 units required)

1.02 REFERENCE STANDARDS

- A. ASTM C1289 - Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board; 2016.
- B. ASTM D4434/D4434M - Standard Specification for Poly(Vinyl Chloride) Sheet Roofing; 2015.
- C. ASTM D6878/D6878M - Standard Specification for Thermoplastic Polyolefin Based Sheet Roofing; 2013.
- D. ASTM E96/E96M - Standard Test Methods for Water Vapor Transmission of Materials; 2014.
- E. FM DS 1-28 - Wind Design; 2007.
- F. NRCA ML104 - The NRCA Roofing and Waterproofing Manual; National Roofing Contractors Association; Fifth Edition, with interim updates.
- G. UL (DIR) - Online Certifications Directory; current listings at database.ul.com.
- H. UL (FRD) - Fire Resistance Directory; current edition.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene one week before starting work of this section.
 - 1. Review preparation and installation procedures and coordinating and scheduling required with related work.

1.04 SUBMITTALS

- A. See Section 013323 - Shop Drawings, Product Data and Samples - for submittal procedures.
- B. Product Data: Provide data indicating membrane materials, flashing materials, insulation, and fasteners.
- C. Specimen Warranty: For approval.
- D. Shop Drawings: Indicate joint or termination detail conditions, conditions of interface with other materials, and mechanical fastener layout.
- E. Installer's qualification data.
- F. Samples for Verification: Submit two samples 12 X 12 inches in size illustrating colored coating.
- G. Manufacturer's Installation Instructions: Indicate membrane seaming precautions and perimeter conditions requiring special attention.
- H. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- I. Manufacturer's Field Reports: Indicate procedures followed, ambient temperatures, humidity, wind velocity during application, and supplementary instructions given.
- J. Warranty:
 - 1. Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
 - 2. Submit installer's certification that installation complies with all warranty conditions for the waterproof membrane.

- K. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

1.05 QUALITY ASSURANCE

- A. Perform work in accordance with NRCA Roofing and Waterproofing Manual.
- B. Installer Qualifications: Company specializing in performing the work of this section:
 - 1. With minimum 5 years documented experience.
 - 2. Approved by membrane manufacturer.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products in manufacturer's original containers, dry, undamaged, with seals and labels intact.
- B. Store products in weather protected environment, clear of ground and moisture.
- C. Ensure storage and staging of materials does not exceed static and dynamic load-bearing capacities of roof decking.
- D. Protect foam insulation from direct exposure to sunlight.

1.07 FIELD CONDITIONS

- A. Coordinate the work with installation of associated flashings and counterflashings installed by other sections as the work of this section proceeds.
- B. Do not apply roofing membrane during unsuitable weather.
- C. Do not apply roofing membrane when environmental conditions are outside the ranges recommended by manufacturer.
- D. Do not apply roofing membrane to damp or frozen deck surface or when precipitation is expected or occurring.
- E. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed the same day.
- F. Schedule applications so that no partially completed sections of roof are left exposed at end of workday.

1.08 WARRANTY

- A. See Section 017700 - Contract Closeout - for additional warranty requirements.
- B. The Contractor shall agree to keep the roof free of leaks within a two year period after Date of Substantial Completion.
- C. System Warranty: Provide 20 year no dollar limit (NDL) Total System Warranty. Manufacturer's material and labor warranty to cover water tightness and failure to prevent penetration of water over entire system. .

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. **Roof Membrane - Option One** - Thermoplastic Polyolefin Membrane Materials:
 - 1. Johns Manville; [JM TPO 60 mil]: www.jm.com/#sle.
 - 2. Carlisle SynTec: www.carlisle-syntec.com.
 - 3. Firestone Building Products, LLC www.firestonebpco.com.
 - 4. GenFlex Roofing Systems, LLC: www.genflex.com/#sle.
 - 5. Substitutions: See Section 016000 - PRODUCT REQUIREMENTS.
- B. **Roof Membrane - Option Two** -PVC Membrane Materials:
 - 1. Duro-Last Roofing, Inc.: www.duro-last.com.
 - 2. Sika Corporation 96 Roofing; Sarnafil PVC: usa.sarnafil.sika.com/#sle.
 - 3. Substitutions: See Section 016000 - PRODUCT REQUIREMENTS.
- C. Insulation: Polyiso insulation
 - 1. By roofing manufacturer.

2.02 ROOFING - UNBALLASTED APPLICATIONS

- A. Membrane Roofing: One ply membrane, fully adhered, over insulation.
- B. Roofing Assembly Requirements:
 - 1. Factory Mutual Classification: Class I and windstorm resistance of I-90, in accordance with FM DS 1-28.
 - 2. Insulation Thermal Resistance (R-Value): 5 per inch, minimum; provide insulation of thickness required to reach a maximum thickness of 3 inches. Two layers of insulation required to meet Manufacturers warranty requirements.

2.03 ROOFING MEMBRANE AND ASSOCIATED MATERIALS

- A. Membrane:
 - 1. Option Two - PVC: Polyvinyl chloride (PVC) complying with ASTM D4434/D4434M, Type II, sheet contains reinforcing fibers or reinforcing fabrics.
 - a. Thickness: 50 mil, 0.050 inch, minimum.
 - 2. Option One - TPO: Thermoplastic polyolefin (TPO) complying with ASTM D6878/D6878M, sheet contains reinforcing fabrics or scrims.
 - a. Thickness: 60 mil, 0.060 inch, nominal.
 - 3. Reinforcing: Internal fabric.
 - 4. Color: White.
- B. Seaming Materials: As recommended by membrane manufacturer.
- C. Membrane Fastening: Full adhered.
- D. Flexible Flashing Material: Same material as membrane.

2.04 INSULATION

- A. Polyisocyanurate Board Insulation: Rigid cellular foam, complying with ASTM C1289, Type II, Class 1, cellulose felt or glass fiber mat both faces; Grade 2 and with the following characteristics:
 - 1. Compressive Strength: 20 psi
 - 2. Foam insulation must satisfactorily pass FM4450 or UL 1256.
 - 3. Board Size: 48 x 96 inch.
 - 4. Thermal Resistance: R-value of 5 Minimum per inch.
 - 5. Board Edges: Square.
 - 6. Board thickness: 3" - installed in two layers.
 - 7. Roof Slope: existing sloped concrete decking.
 - 8. Fully Adhered installation per manufacturers instructions.
 - 9. Manufacturers: same as TPO roofing manufacturer.

2.05 ACCESSORIES

- A. Stack Boots: Prefabricated flexible boot and collar for pipe stacks through membrane; same material as membrane.
- B. Insulation Joint Tape: Glass fiber reinforced type as recommended by insulation manufacturer, compatible with roofing materials; 6 inches wide; self adhering.
- C. Membrane Adhesive: As recommended by membrane manufacturer.
- D. Sealants: As recommended by membrane manufacturer.
- E. Liquid Flashing: Standard of Quality, Firestone Ultraflash 1 part liquid flashing.

PART 3 EXECUTION

3.01 INSTALLATION - GENERAL

- A. Perform work in accordance with NRCA Roofing and Waterproofing Manual and manufacturer's instructions.
- B. Do not apply roofing membrane during unsuitable weather.

- C. Do not apply roofing membrane when ambient temperature is outside the temperature range recommended by manufacturer.
- D. Do not apply roofing membrane to damp or frozen deck surface or when precipitation is expected or occurring.
- E. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed the same day.

3.02 EXAMINATION

- A. Verify that surfaces and site conditions are ready to receive work.
- B. Verify deck is supported and secure.
- C. Verify deck is clean and smooth, flat, free of depressions, waves, or projections, properly sloped and suitable for installation of roof system.
- D. Verify deck surfaces are dry and free of snow or ice.
- E. Verify that roof openings, curbs, and penetrations through roof are solidly set, and cant strips are in place.

3.03 INSULATION - UNDER MEMBRANE

- A. Attachment of Insulation:
- B. Attachment of Insulation: Embed insulation in adhesive in full contact, in accordance with roofing and insulation manufacturers' instructions.
- C. Lay boards with edges in moderate contact without forcing. Cut insulation to fit neatly to perimeter blocking and around penetrations through roof.
- D. Tape joints of insulation in accordance with roofing and insulation manufacturers' instructions.
- E. Do not apply more insulation than can be covered with membrane in same day.

3.04 MEMBRANE APPLICATION

- A. Roll out membrane, free from wrinkles or tears. Place sheet into place without stretching.
- B. Shingle joints on sloped substrate in direction of drainage.
- C. Fully Adhered Application: Apply adhesive to substrate at rate recommended by the manufacturer to suit application. Fully embed membrane in adhesive except in areas directly over or within 3 inches of expansion joints. Fully adhere one roll before proceeding to adjacent rolls.
- D. Overlap edges and ends and seal seams by heat welding, minimum 3 inches. Seal permanently waterproof.
- E. At intersections with vertical surfaces:
 - 1. Extend membrane over cant strips and up a minimum of 4 inches onto vertical surfaces.
 - 2. Fully adhere flexible flashing over membrane and up to nailing strips.
- F. Around roof penetrations, seal flanges and flashings with flexible flashing.
- G. Coordinate installation of roof drains and sumps and related flashings.

3.05 FIELD QUALITY CONTROL

- A. Require site attendance of roofing materials manufacturer's representative to conduct one (1) in-progress inspection and written confirmation report during installation of work.
- B. One inspection upon completed installation shall be made by the manufacturer's representative in the company of the Architect and Owner's representative prior to substantial completion.
 - 1. Roof surfaces that allow areas of standing or ponding water are not permitted and will be rejected.

3.06 CLEANING

- A. Remove bituminous markings from finished surfaces.

- B. In areas where finished surfaces are soiled by work of this section, consult manufacturer of surfaces for cleaning advice and conform to their documented instructions.
- C. Repair or replace defaced or damaged finishes caused by work of this section.

3.07 PROTECTION

- A. Protect installed roofing and flashings from construction operations.
- B. Where traffic must continue over finished roof membrane, protect surfaces using durable materials.

END OF SECTION

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH EXECUTION OF WORK.
2. CONTRACTOR SHALL PROTECT ADJACENT SPACES FROM DAMAGE THROUGHOUT COURSE OF CONSTRUCTION.
3. CONTRACTOR TO MAINTAIN A WATERTIGHT BUILDING DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
4. CONTRACTOR SHALL MAINTAIN BUILDING SERVICES DURING CONSTRUCTION AND SHALL COORDINATE ANY TEMPORARY INTERRUPTIONS IN UTILITIES WITH THE OWNER.
5. CONTRACTOR SHALL LOCATE AND PROTECT ALL COMM. WIRING, ELECTRICAL ITEMS, ANTENNAS, T.V. CABLES, ETC. PROTECT ALL CONDENSATE DRAIN LINES FROM RTU'S. REPLACE EXISTING DAMAGED DRAIN LINES AND/OR LINES DAMAGED DURING THE COURSE OF CONSTRUCTION.
6. OVERLAY EXISTING ROOF WITH SPECIFIED ROOFING SYSTEM.
7. REPLACE DAMAGED OR RUSTED FLUE STACKS THROUGHOUT.
8. ALL PENETRATIONS WITH PITCH POCKETS SHALL BE REPLACED WITH SPECIFIED LIQUID FLASHING.
9. ALL EXISTING PIPE, FLUE AND CURB PENETRATIONS TO BE FLASHED AS PER NRCA GUIDELINES AND STANDARD DETAILS FOR SPECIFIED ROOF SYSTEM.
10. REMOVE/REPLACE ALL PIPE BOOTS/ROOF JACKS AT VENTS STACKS AND FLUES.

