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March 20, 2026

BID # 428-25-26

Roofing @ Live Oak Elementary & Maie Ellis Elementary

ADDENDUM #1

This Addendum #1 forms a part of the Contract Documents and modifies the original bidding documents. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the bidder to disqualification.

This addendum modifies the Scope of Work that was discovered at the mandatory job walk.

Item #1 – Live Oak Elementary - ADDITION Field House Sloped Roofs – Asphalt Shingles – Overlay

Specifications (Attachment A)

Map of Area (Attachment B)

The Contractor shall provide all labor, supervision, materials, equipment, tools, transportation, permits and incidentals necessary to complete the sloped roof portion of the Field House in its entirety.

- Removal and proper disposal of all existing roofing edge shingles (cutback), step flashings, counter flashings, and any other roofing materials at the top of the roof slope to a proper disposal site in compliance with local codes.
- Furnish and install a complete asphalt shingle roofing system (including felt underlayment, starter strips, ridge cap, flashings, drip edges, pipe flashings, and all accessories) in strict accordance with the attached Section 07311 – Asphalt Shingles.
- All work shall be performed in accordance with applicable codes, manufacturer specifications, and the warranty requirements in Section 07311.

Item #2 – Live Oak Elementary – Fieldhouse Rock Roof – No insulation.

Item #3 – Maie Ellis Elementary – Replace edge metal all the way around with pre-finished color in spec. or equivalent.

Item #4 – Maie Ellis Elementary - 2yr Contractor Workmanship Warranty.

SECTION 07311 - ASPHALT SHINGLES

1. GENERAL

1.1 ROOF MATERIAL REMOVAL

A. Remove and dispose of all roofing edge shingles(cutback) and all step flashings and counter flashings at top of roof slope to a proper disposal site and in compliance to local codes and special circumstances pertaining to downtown construction activity.

1.2 SUMMARY

A. This Section includes the following:

1. Asphalt shingles.
2. Felt underlayment.

B. Related Sections include the following:

1. Division 6 Section "Rough Carpentry" for roof deck wood structural panels.
2. Division 7 Section "Sheet Metal Flashing and Trim" for metal roof penetration flashings, and counter flashings not part of this Section.

1.3 DEFINITIONS

A. Roofing Terminology: Refer to ASTM D 1079 and glossary of NRCA's "The NRCA Roofing and Waterproofing Manual" for definitions of terms related to roofing work in this Section.

1.4 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Samples for selection: For the following products, of sizes indicated, to verify product and select color.

1. Asphalt Shingle: Full-size asphalt shingle strip.
2. Ridge and Hip Cap Shingles: Full-size ridge and hip cap asphalt shingle.
3. Ridge Vent: N/A
4. Self-Adhering Underlayment: N/A

C. Qualification Data: For Installer, including certificate signed by asphalt shingle manufacturer stating that Installer is approved, authorized, or licensed to install roofing system indicated.

- D. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency or by manufacturer and witnessed by a qualified testing agency, for asphalt shingles.
- E. Research/Evaluation Reports: For asphalt shingles.
- F. Maintenance Data: For asphalt shingles to include in maintenance manuals.
- G. Warranties: Special warranties specified in this Section.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: A firm or individual that is approved, authorized, or licensed by asphalt shingle roofing system manufacturer to install roofing system indicated.

B. Fire-Test-Response Characteristics: Provide asphalt shingle and related roofing materials with the fire-test-response characteristics indicated, as determined by testing identical products per test method below by UL or another testing and inspecting agency acceptable to authorities having jurisdiction. Identify materials with appropriate markings of applicable testing and inspecting agency.

1. Exterior Fire-Test Exposure: Class A; ASTM E 108 or UL 790, for application and roof slopes indicated.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Store roofing materials in a dry, well-ventilated, weather tight location according to asphalt shingle manufacturer's written instructions. Store underlayment rolls on end on pallets or other raised surfaces. Do not double-stack rolls.

1. Handle, store, and place roofing materials in a manner to avoid significant or permanent damage to roof deck or structural supporting members.

B. Protect unused underlayment from weather, sunlight, and moisture when left overnight or when roofing work is not in progress.

1.7 PROJECT CONDITIONS

C. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit asphalt shingle roofing to be performed according to manufacturer's written instructions and warranty requirements.

1. Install self-adhering sheet underlayment within the range of ambient and substrate temperatures recommended by manufacturer.

1.8 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace asphalt shingles that fail in materials or workmanship within specified warranty period. Materials failures include manufacturing defects and failure of asphalt shingles to self-seal after a reasonable time.

1. Material Warranty Period: 40 years from date of Substantial Completion, prorated.
2. Wind-Speed Warranty Period: Asphalt shingles will resist blow-off or damage caused by wind speeds up to 100 mph for 5 years from date of Substantial Completion.
3. Workmanship Warranty Period: 15 years from date of Substantial Completion.

2. PRODUCTS

2.1 MANUFACTURERS

1. Single Roofing Manufacturer required for both Asphalt Shingle Roofing System specified herein and BUR Roofing System specified in Division 7 Section "Built-Up Roofing Systems".

2.2 GLASS-FIBER-REINFORCED ASPHALT SHINGLES

A. Laminated-Strip Asphalt Shingles: ASTM D 3018, laminated, multi-ply overlay construction, glass-fiber reinforced, mineral-granule surfaced, and self-sealing.

1. Available Products:
 - a. Malarkey Roofing Products; Ecoasis NEX #282, equal or better.

2.3 UNDERLAYMENT MATERIALS

A. Felts: Malarkey Start Right UDL, equal or better.

B. Starter and Ridge:

1. Products:
 - a. Smart Start Starter Strip
 - b. EZ Ridge

2.4 ACCESSORIES

- A Asphalt Roofing Cement: ASTM D 4586, Type II, asbestos free.
- B. Roofing Nails: ASTM F 1667; hot-dip galvanized steel wire shingle nails, as recommended by manufacturer and of sufficient length to penetrate 3/4 inch into solid wood decking or extend at least 1/8 inch through OSB or plywood sheathing.
 - 1. Where nails are in contact with metal flashing, use nails made from same metal as flashing.
- C. Felt Underlayment Nails: Aluminum, stainless-steel, or hot-dip galvanized steel wire with low profile capped heads or disc caps, 1-inch minimum diameter.

2.5. METAL FLASHING AND TRIM

- A. Sheet Metal Flashing and Trim: Comply with requirements in Division 7 Section "Sheet Metal Flashing and Trim."
 - 1. Sheet Metal: Remove all coping, Install High Temp ice and water shield. Reinstall with neoprene washer and Screw. Caulk joints.
- B. Fabricate sheet metal flashing and trim to comply with recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item.
 - 1. Step Flashings: Fabricate with a headlap of 2 inches and a minimum extension of **5 inches** over the underlying asphalt shingle and up the vertical surface.
 - 2. Cricket Flashings: Fabricate with concealed flange extending a minimum of 24 inches beneath upslope asphalt.
 - 3. Drip Edges: Fabricate in lengths not exceeding 10 feet with 2-inch roof deck flange and 1-1/2-inch fascia flange with 3/8-inch drip at lower edge.
- C. Vent Pipe Flashings: ASTM B 749, Type L51121, at least 1/16 inch thick. Provide lead sleeve sized to slip over and turn down into pipe, soldered to skirt at slope of roof and extending at least 4 inches from pipe onto roof.

3. EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work.

1. Examine roof sheathing to verify that sheathing joints are supported by framing and blocking or metal clips and that installation is within flatness tolerances.
 2. Verify that substrate is sound, dry, smooth, clean, sloped for drainage, and completely anchored; and that provision has been made for flashings and penetrations through asphalt shingles.
3. For the record, prepare written report, endorsed by Installer, listing conditions detrimental to performance of work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 UNDERLAYMENT INSTALLATION

A. UDL SBS Baseheet Underlayment: Install 1 basesheet underlayment, wrinkle free, on roof deck. Comply with low-temperature installation restrictions of underlayment manufacturer if applicable. Install under all asphalt shingle areas, lapped in direction to shed water. Lap sides not less than 2 inches. Lap ends not less than 6 inches staggered 24 inches between courses.

3.3 METAL FLASHING INSTALLATION

A. General: Install metal flashings and other sheet metal to comply with requirements in Division 7 Section "Sheet Metal Flashing and Trim."

1. Install metal flashings according to recommendations in ARMA's "Residential Asphalt Roofing Manual" and asphalt shingle recommendations in NRCA's "The NRCA Roofing and Waterproofing Manual."
- B. Apron Flashings: Extend lower flange over and beyond each side of downslope asphalt shingles and up the vertical surface.
 - C. Step Flashings: Install with a headlap of 2 inches and extend over the underlying asphalt shingle and up the vertical surface. Fasten to roof deck only.
 - D. Cricket Flashings: Install against the roof-penetrating element extending concealed flange beneath upslope asphalt shingles and beyond each side.
 - E. Rake Drip Edges: Install rake drip edge flashings over underlayment and fasten to roof deck.
 - F. Eave Drip Edges: Install eave drip edge flashings below underlayments and fasten to roof sheathing.
 - G. Pipe Flashings: Form flashing around pipe penetrations and asphalt shingles. Fasten and seal to asphalt shingles as recommended by manufacturer.

3.4 ASPHALT SHINGLE INSTALLATION

- A. Install asphalt shingles according to manufacturer's written instructions, recommendations in ARMA's "Residential Asphalt Roofing Manual," and asphalt shingle recommendations in NRCA's "The NRCA Roofing and Waterproofing Manual."
- B. Ridge Vents: N/A
- C. Ridge Cap Shingles: Maintain same exposure of cap shingles as roofing shingle exposure. Lap cap shingles at ridges to shed water away from direction of prevailing winds. Fasten with roofing nails of sufficient length to penetrate sheathing.
 - 1. Fasten ridge cap asphalt shingles to cover ridge vent without obstructing airflow.

END OF SECTION 07311

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Via De Maranatha

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