



Architectural
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ADDENDUM ONE

Project: **Sullivan County Mary Hughes Elementary School Reroof & Fascia Repairs Re-Bid**

Address: **240 Austin Springs Road, Piney Flats, Tennessee.**

February 22, 2023

This Addendum is part of the Contract Documents for the above referenced project and modifies the original drawings and/or specifications, dated **3/2/23**, as noted below. The bidder shall acknowledge receipt of this Addendum in the place provided in the Bid Form. The published bid date and time shall remain the same.

GENERAL:

1. Please see attached Pre-Bid Attendance Record.
2. All contractor are required to be registered on the SAM.GOV website. Registration is free of charge.

DRAWINGS:

None

SPECIFICATIONS:

1. **Section 073113 – Asphalt Shingles – Part 2 – PRODUCTS 2.1.** Please see the revised listing of Acceptable Products.

END OF ADDENDUM 1

OFFICE OF THE SULLIVAN COUNTY PURCHASING AGENT
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PRE-BID ATTENDANCE RECORD

DATE: 02.16.2023 TIME: 2:00 PM

PROJECT DESCRIPTION: Re-Bid #2 Mary Hughes Leroy Fascia Repair

LOCATION OF PROJECT: Mary Hughes Elementary School

*NOTE: MANDATORY PRE-BID MEETING REQUIRES REPRESENTATION OF COMPANY AGENT, VERIFIED BY REGISTRATION, TO AFFORD AN OPPORTUNITY FOR COMPANY TO OFFER A PRICED PROPOSAL.

YOUR NAME	COMPANY / AGENCY	PHONE NUMBER	EMAIL ADDRESS
MICHAEL LIETZKE	CRW ARCHITECTS	423-393-5430	MILT@GRONK.COM
Marcy Roberts Jr.	Todd Humbergood Roofing	423-765-6059	Estimating@throof.com Estimating@throof.com
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Piney Flats, TN

SECTION 073113 - ASPHALT SHINGLES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Glass-fiber-reinforced asphalt shingles.
2. Underlayment materials.
3. Ridge vents.
4. Metal flashing and trim.

1.2 PREINSTALLATION MEETINGS

- ##### A. Preinstallation Conference: Conduct conference at **Project site**.

1.3 ACTION SUBMITTALS

A. Product Data: For the following:

1. Asphalt shingles.
2. Underlayment materials.
3. Ridge vents.
4. Asphalt roofing cement.
5. Elastomeric flashing sealant.

- ##### B. Shop Drawings: For metal flashing and trim.

- ##### C. Samples: For each exposed product and for each color and blend specified.

1.4 INFORMATIONAL SUBMITTALS

- ##### A. Product test reports.

- ##### B. Research reports for synthetic underlayment.

- ##### C. Sample warranty.

1.5 CLOSEOUT SUBMITTALS

- ##### A. Maintenance data.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An authorized installer who is trained and approved by manufacturer.

1.7 WARRANTY

- A. Materials Warranty: Manufacturer agrees to repair or replace asphalt shingles that fail within specified warranty period.
1. Materials Warranty Period: **Lifetime** from date of Substantial Completion, prorated, with first **10** years nonprorated.
 2. Wind-Speed Warranty Period: Asphalt shingles will resist blow-off or damage caused by wind speeds of up to **110 mph (49 m/s)** for **five** years from date of Substantial Completion.
 3. Algae-Resistance Warranty Period: Asphalt shingles will not discolor for 12 years from date of Substantial Completion.
 4. Workmanship Warranty Period: **20** years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 Acceptable Products:

- A. Heritage as manufactured by TAMKO (Basis of Design)
 - B. **Landmark** as manufactured by CertainTeed
 - C. **Timberline HDZ** as manufactured by GAF
 - D. TruDefinition Oakridge as manufactured by Owens Corning
- E. Wind Resistance: Provide asphalt shingles that comply with requirements of ASTM D3161/D3161M, Class F, and with ASTM D7158/D7158M, Class H.

2.2 UNDERLAYMENT MATERIALS

- A. Organic Felt: Asphalt-saturated organic felts, nonperforated and complying with the following:
1. ASTM D226/D226M: **Type II.**
 2. ASTM D4869/D4869M: **Type II.**
- B. Glass-Reinforced Felt: ASTM D6757/D6757M, asphalt-saturated, glass-reinforced organic felt or inorganic fiber-based felt.
- C. Synthetic Underlayment: UV-resistant polypropylene, polyolefin, or polyethylene polymer fabric with surface coatings or treatments to improve traction underfoot and abrasion resistance; evaluated and documented to be suitable for use as a roof underlayment under applicable codes by a testing and inspecting agency acceptable to authorities having jurisdiction.
- D. Self-Adhering, Polymer-Modified Bitumen Sheet: ASTM D1970/D1970M, minimum [**55-mil-(1.4-mm-)**] thick sheet; glass-fiber-mat-reinforced, polymer-modified asphalt; with slip-resistant top surface and release backing; cold applied.

2.3 RIDGE VENTS

- A. Rigid Ridge Vent: Manufacturer's standard, rigid-section, high-density, UV-stabilized plastic ridge vent for use under ridge shingles.
 - a. VentSure Metal Slant Back Vent as manufactured by Owens Corning
 - b. Or equal

2.4 ROOF VENTS

- A. Roof Vent: As manufactured by the following:
 - a. Nonwoven geotextile filter strips.
 - b. External deflector baffles.

2.5 ACCESSORIES

- A. Asphalt Roofing Cement: ASTM D4586/D4586M Type II, asbestos free.
- B. Elastomeric Flashing Sealant: ASTM C920, Type S, Grade NS, one-part, non-sag, elastomeric polymer sealant; of class and use classifications required to seal joints and remain watertight; recommended in writing by manufacturer for installation of flashing systems.
- C. Roofing Nails: ASTM F1667, aluminum, stainless steel, copper, or hot-dip galvanized-steel wire shingle nails, minimum **0.120-inch- (3-mm-)** diameter, sharp-pointed, with a **3/8- to 7/16-inch- (10- to 11-mm-)** diameter flat head and of sufficient length to penetrate **3/4 inch (19 mm)** into solid wood decking or extend at least **1/8 inch (3 mm)** through sheathing less than **3/4 inch (19 mm)** thick.
 - 1. Where nails are in contact with metal flashing, use nails made from same metal as flashing.
- D. Underlayment Nails: Aluminum, stainless steel, or hot-dip galvanized-steel wire nails with low-profile metal or plastic caps, **1-inch- (25-mm-)** minimum diameter.

2.6 METAL FLASHING AND TRIM

- A. Comply with requirements in Section 076200 "Sheet Metal Flashing and Trim."
 - 1. Sheet Metal: **Zinc-tin alloy coated copper.**
- 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 the item unless otherwise indicated on Drawings.

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1. Vent-Pipe Flashings: ASTM B749, Type L51121, at least **1/16 inch (1.6 mm)** 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 (102 mm)** from pipe onto roof.

PART 3 - EXECUTION

3.1 INSTALLATION OF UNDERLAYMENT MATERIALS

- A. Comply with asphalt shingle and underlayment manufacturers' written installation instructions and with recommendations in NRCA's "The NRCA Roofing Manual: Steep-Slope Roof Systems" applicable to products and applications indicated unless more stringent requirements are specified in this Section or indicated on Drawings.
- B. Asphalt-Saturated Felt: Install on roof deck parallel with and starting at eaves and fasten with **roofing nails**.
 1. Single-Layer Installation:
 - a. Lap sides a minimum of [**2 inches (51 mm)**] [**4 inches (102 mm)**] over underlying course.
 - b. Stagger end laps between succeeding courses at least **72 inches (1829 mm)**.

3.2 INSTALLATION OF METAL FLASHING AND TRIM

- A. Install metal flashings and trim to comply with requirements in Section 076200 "Sheet Metal Flashing and Trim."
 1. Install metal flashings in accordance with recommendations in[**ARMA's "Asphalt Roofing Residential Manual - Design and Application Methods"** and] NRCA's "NRCA Guidelines for Asphalt Shingle Roof Systems."
 2. Bed flanges of metal flashings using asphalt roofing cement or elastomeric flashing sealant.
- B. Pipe Flashings: Form flashing around pipe penetrations and asphalt shingles. Fasten and seal to asphalt shingles as recommended by manufacturer.

3.3 INSTALLATION OF ASPHALT SHINGLES

- A. Install asphalt shingles in accordance with manufacturer's written instructions and recommendations in[**ARMA's "Asphalt Roofing Residential Manual - Design and Application Methods"** and] NRCA's "NRCA Guidelines for Asphalt Shingle Roof Systems."
- B. Install starter strip along lowest roof edge, consisting of an asphalt shingle strip **with tabs removed at least 7 inches (178 mm) wide** with self-sealing strip face up at roof edge.
 1. Extend asphalt shingles **1/2 inch (13 mm)** over fasciae at eaves and rakes.
 2. Install starter strip along rake edge.

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- C. Fasten asphalt shingle strips with a minimum of **six** roofing nails, but not less than the number indicated in manufacturer's written instructions for roof slope and design wind speed indicated on Drawings and for warranty requirements specified in this Section.
 - 1. Locate fasteners in accordance with manufacturer's written instructions.
 - 2. When ambient temperature during installation is below [**50 deg F (10 deg C)**] <Insert **temperature**>, hand seal self-sealing asphalt shingles by applying asphalt roofing cement spots between course overlaps after nailing the upper course.

- D. Woven Valleys: Extend succeeding asphalt shingle courses from both sides of valley **12 inches (305 mm)** beyond center of valley, weaving intersecting shingle-strip courses over each other. Use one-piece shingle strips without joints in valley.
 - 1. Do not nail asphalt shingles within **6 inches (152 mm)** of valley center.

- E. Ridge Vents: Install continuous ridge vents over asphalt shingles in accordance with manufacturer's written instructions. Fasten with roofing nails of sufficient length to penetrate sheathing.

- F. Hip and Ridge 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.
 - 1. Fasten with roofing nails of sufficient length to penetrate sheathing.
 - 2. Fasten ridge cap asphalt shingles to cover ridge vent without obstructing airflow.

END OF SECTION 073113