



Architectural
Services

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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.**

January 25, 2023

This Addendum is part of the Contract Documents for the above referenced project and modifies the original drawings and/or specifications, dated **1/8/23**, 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 004113 – Bid Form** – Project Duration. Please see the revised completion date of September 30, 2023.
2. **Section 074113.16 – Standing Seam Metal Roof Panels** – See section 2.2.B for additional acceptable manufacturers. See section 2.6.A.1 for revisions to the panel finish.

END OF ADDENDUM 1

OFFICE OF THE SULLIVAN COUNTY PURCHASING AGENT
 3411 HIGHWAY 126—SUITE 201
 BLOUNTVILLE, TN 37617-0569

KRISTINIA DAVIS
 PURCHASING AGENT

PHONE 423-323-6400
 FAX 423-323-7249
 kris.davis@sullivancountyttn.gov

PRE-BID ATTENDANCE RECORD

DATE: 01.18.2023 TIME: 2:00pm

PROJECT DESCRIPTION: Re-Bid Mary Hughes ES Reroof and 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.

Purchasing Department: Michelle Ramsey

YOUR NAME	COMPANY / AGENCY	PHONE NUMBER	EMAIL ADDRESS
Erick Mousou	Genesis Roofing	865-978-1076	erick@genesisoroofing.net
Stacy Sanders	Porter Roofing	931-668-2298	Stacy@porter-roofing.com
CHARLES HUBBARD	SUDE	423-354-1151	CHARLES.HUBBARD@SULLIVANK12.NET
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www.genesisroofing.net

394 West Main Suite A5, Hendersonville, TN 37075

Re-Bid Mary Hughes Elementary School
Reroof and Fascia Repair
Blountville, TN

FOR THE WORK SPECIFIED.

GENTLEMEN:

1. Having examined the plans and specifications, having visited the site of the proposed work, and being completely familiar with the local conditions affecting the cost of the work, and having carefully examined the construction bidding documents with addenda prepared by Cain Rash West Architects and entitled "RE-BID SULLIVAN COUNTY MARY HUGHES ELEMENTARY SCHOOL REROOF AND FASCIA REPAIR"

2. I, (We) propose to execute the portion of the work identified as "**Re-Bid Sullivan County Mary Hughes Elementary School Reroof and Fascia Repairs**" for the stipulated sum of: (sums shall be in written and numerical form)

Lump Sum Base Bid _____ DOLLARS

(\$ _____).

Proposed Project Duration _____ (_____) Days

Base Bid shall include an Owner's Contingency of 5% which shall be listed as a line item on the Schedule of Values. Liquidated Damages shall be \$200 per day after **September 30, 2023 if not substantially Complete. Note: Owner is aware of material availability issues – if all reasonable efforts to obtain materials have been made and documented and are not available to complete the project on time, the contractor will not be penalized.**

3. I, (We) propose to execute the portion of the work identified as "**Re-Bid Sullivan County Mary Hughes Elementary School Reroof and Fascia Repair Alternate One (1) Standing Seam Metal Roofing System**" for the stipulated sum of: (sums shall be in written and numerical form)

Add / Deduct: _____ DOLLARS.

(\$ _____)

4. I, (We) propose to execute the portion of the work identified as "**Re-Bid Sullivan County Mary Hughes Elementary School Reroof and Fascia Repair Alternate Two (2) Fully Adhered Simulated Standing Seam Membrane Roofing System**" for the stipulated sum of: (sums shall be in written and numerical form)

Add / Deduct: _____ DOLLARS.

(\$ _____)

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5. I, (We) propose to execute the portion of the work identified as "**Re-Bid Sullivan County Mary Hughes Elementary School Reroof and Fascia Repair Alternate Three (3) Provide Snow Guards**" for the stipulated sum of: (sums shall be in written and numerical form)

Add / Deduct: _____ DOLLARS.

(\$ _____)

6. The undersigned agrees to complete all of the work described by the "Contract Documents" and have the space fully ready for occupancy, including any Alternates.
7. The undersigned agrees to commence work under this contract within three working days of receipt of Notice to Proceed.
8. The undersigned agrees that this bid shall be good and may not be withdrawn for a period of (30) thirty calendar days after the scheduled closing time for receiving bids.
9. The undersigned, upon receipt of written notice of the acceptance of this bid, agrees to deliver, to the owner or his agent, the architect, the required performance bond, labor and material payment bond and certificate of insurance in accordance with the specifications and instructions to bidders.

The undersigned hereby acknowledges receipt of:

ADDENDUM NO.

DATE

This proposal is respectfully submitted

By: _____

Title: _____

Firm name: _____

Re-Bid Mary Hughes Elementary School
Reroof and Fascia Repair
Blountville, TN

Business address: _____

(Seal if this bid is submitted by a Corporation)

This Bid Form consists of three (3) pages.
END OF BID FORM 004113

SECTION 074113.16 – STANDING SEAM METAL ROOF PANELS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Standing-seam metal roof panels.

1.2 PREINSTALLATION MEETINGS

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

1.3 ACTION SUBMITTALS

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

- B. Shop Drawings: Include fabrication and installation layouts of metal panels; details of edge conditions, joints, panel profiles, corners, anchorages, attachment system, trim, flashings, closures, and accessories; and special details.

- C. Samples: For each type of metal panel indicated.

1.4 INFORMATIONAL SUBMITTALS

- A. Product test reports.

- B. Warranties: Sample of special warranties.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance data.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

- B. UL-Certified, Portable Roll-Forming Equipment: UL-certified, portable roll-forming equipment capable of producing metal panels warranted by manufacturer to be the same as factory-formed products. Maintain UL certification of portable roll-forming equipment for duration of work.

1.7 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of metal panel systems that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: Twenty years from date of Substantial Completion.
- B. Special Warranty on Panel Finishes: Manufacturer's standard form in which manufacturer agrees to repair finish or replace metal panels that show evidence of deterioration of factory-applied finishes within specified warranty period.
 - 1. Finish Warranty Period: **20** years from date of Substantial Completion.
- C. Special Weathertightness Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace standing-seam metal roof panel assemblies that fail to remain weathertight, including leaks, within specified warranty period.
 - 1. Warranty Period: **20** years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Provide metal panel systems capable of withstanding the effects of the loads scheduled on drawings, based on testing according to ASTM E1592:
- B. Air Infiltration: Air leakage of not more than **0.06 cfm/sq. ft. (0.3 L/s per sq. m)** when tested according to ASTM E1680 at the following test-pressure difference:
- C. Water Penetration under Static Pressure: No water penetration when tested according to ASTM E1646 at the following test-pressure difference:
- D. Hydrostatic-Head Resistance: No water penetration when tested according to ASTM E2140.
- E. Wind-Uplift Resistance: Provide metal roof panel assemblies that comply with UL 580 for wind-uplift-resistance class indicated.
 - 1. Uplift Rating: **UL 90**.
- F. FM Global Listing: Provide metal roof panels and component materials that comply with requirements in FM Global 4471 as part of a panel roofing system and that are listed in FM Global's "Approval Guide" for Class 1 or noncombustible construction, as applicable. Identify materials with FM Global markings.
 - 1. Fire/Windstorm Classification: Class 1A-**90**.
 - 2. Hail Resistance: **SH**.
- G. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes by preventing buckling, opening of joints, overstressing of components, failure of joint

sealants, failure of connections, and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.

1. Temperature Change (Range): **120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces**].

2.2 STANDING-SEAM METAL ROOF PANELS

- A. Provide factory-formed metal roof panels designed to be installed by lapping and interconnecting raised side edges of adjacent panels with joint type indicated and mechanically attaching panels to supports using concealed clips in side laps. Include clips, cleats, pressure plates, and accessories required for weathertight installation.
 1. Steel Panel Systems: Unless more stringent requirements are indicated, comply with ASTM E1514.
 2. Aluminum Panel Systems: Unless more stringent requirements are indicated, comply with ASTM E1637.
- B. Provide 24 ga. products from one of the following manufacturers and listed systems:
 1. Craftsman Series – High Batten as manufactured by MBCI (Basis of Design)
 2. High Seam Tee-Panel as manufactured by Berridge
 3. High Snap-On Standing Seam Panel as manufactured by Pac-Clad
 4. PC System/Standing Seam as manufactured by Atas International, Inc.
 5. ML150 system as manufactured by Sentrigard

2.3 UNDERLAYMENT MATERIALS

- A. Self-Adhering, High-Temperature Underlayment: Provide self-adhering, cold-applied, sheet underlayment, a minimum of **30 mils (0.76 mm)** thick, consisting of slip-resistant, polyethylene-film top surface laminated to a layer of butyl or SBS-modified asphalt adhesive, with release-paper backing. Provide primer when recommended by underlayment manufacturer.
 1. Thermal Stability: Stable after testing at **240 deg F (116 deg C)**; ASTM D1970.
 2. Low-Temperature Flexibility: Passes after testing at minus **20 deg F (29 deg C)**; ASTM D1970.
- B. Slip Sheet: Manufacturer's recommended slip sheet, of type required for application.

2.4 MISCELLANEOUS MATERIALS

- A. Panel Accessories: Provide components required for a complete, weathertight panel system including trim, copings, fasciae, mullions, sills, corner units, clips, flashings, sealants, gaskets, fillers, closure strips, and similar items. Match material and finish of metal panels unless otherwise indicated.
 1. Closures: Provide closures at eaves and ridges, fabricated of same metal as metal panels.
 2. Backing Plates: Provide metal backing plates at panel end splices, fabricated from material recommended by manufacturer.

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3. Closure Strips: Closed-cell, expanded, cellular, rubber or crosslinked, polyolefin-foam or closed-cell laminated polyethylene; minimum **1-inch- (25-mm-)** thick, flexible closure strips; cut or premolded to match metal panel profile. Provide closure strips where indicated or necessary to ensure weathertight construction.
- B. Flashing and Trim: Provide flashing and trim formed from same material as metal panels as required to seal against weather and to provide finished appearance. Locations include, but are not limited to, eaves, rakes, corners, bases, framed openings, ridges, fasciae, and fillers. Finish flashing and trim with same finish system as adjacent metal panels.
- C. Gutters and Downspouts: Formed from same material as roof panels according to SMACNA's "Architectural Sheet Metal Manual." Finish to match roof fascia and rake trim.
- D. Panel Fasteners: Self-tapping screws designed to withstand design loads.
- E. Panel Sealants: Provide sealant type recommended by manufacturer that are compatible with panel materials, are nonstaining, and do not damage panel finish.
 1. Sealant Tape: Pressure-sensitive, 100 percent solids, gray polyisobutylene compound sealant tape with release-paper backing; **1/2 inch (13 mm)** wide and **1/8 inch (3 mm)** thick.
 2. Joint Sealant: ASTM C920; as recommended in writing by metal panel manufacturer.
 3. Butyl-Rubber-Based, Solvent-Release Sealant: ASTM C1311.

2.5 FABRICATION

- A. Fabricate and finish metal panels and accessories at the factory, by manufacturer's standard procedures and processes, as necessary to fulfill indicated performance requirements demonstrated by laboratory testing. Comply with indicated profiles and with dimensional and structural requirements.
- B. On-Site Fabrication: Subject to compliance with requirements of this Section, metal panels may be fabricated on-site using UL-certified, portable roll-forming equipment if panels are of same profile and warranted by manufacturer to be equal to factory-formed panels. Fabricate according to equipment manufacturer's written instructions and to comply with details shown.
- C. Provide panel profile, including major ribs and intermediate stiffening ribs, if any, for full length of panel.
- D. Fabricate metal panel joints with factory-installed captive gaskets or separator strips that provide a weathertight seal and prevent metal-to-metal contact, and that minimize noise from movements.
- E. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's recommendations and recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item indicated.

- A. Panels and Accessories:
 - 1. ~~Three~~ Two-Coat Fluoropolymer: AAMA 621. Fluoropolymer finish containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in both color coat and clear topcoat. Minimum 20 Year Warranty .
 - 2. Concealed Finish: White or light-colored acrylic or polyester backer finish.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Miscellaneous Supports: Install subframing, furring, and other miscellaneous panel support members and anchorages according to ASTM C754 and metal panel manufacturer's written recommendations.

3.2 INSTALLATION OF UNDERLAYMENT

- A. Self-Adhering Sheet Underlayment: Apply primer if required by manufacturer. Comply with temperature restrictions of underlayment manufacturer for installation. Apply at locations indicated on Drawings, wrinkle free, in shingle fashion to shed water, and with end laps of not less than **6 inches (152 mm)** staggered **24 inches (610 mm)** between courses. Overlap side edges not less than **3-1/2 inches (90 mm)**. Roll laps with roller. Cover underlayment within 14 days.
 - 1. Apply over the entire roof surface.
 - a. Roof perimeter for a distance up from eaves of **36 inches (914 mm)** beyond interior wall line.
 - b. Valleys, from lowest point to highest point, for a distance on each side of **18 inches (460 mm)**. Overlap ends of sheets not less than **6 inches (152 mm)**.
 - c. Rake edges for a distance of **18 inches (460 mm)**.
 - d. Hips and ridges for a distance on each side of **12 inches (305 mm)**.
 - e. Roof-to-wall intersections for a distance from wall of **18 inches (460 mm)**.
 - f. Around dormers, chimneys, skylights, and other penetrating elements for a distance from element of **18 inches (460 mm)**].
- B. Felt Underlayment: Apply at locations indicated on Drawings, in shingle fashion to shed water, and with lapped joints of not less than **2 inches (50 mm)**.
 - 1. Apply over the entire roof surface.
- C. Slip Sheet: Apply slip sheet over underlayment before installing metal roof panels.
- D. Flashings: Install flashings to cover underlayment to comply with requirements specified in Section 076200 "Sheet Metal Flashing and Trim."

3.3 INSTALLATION OF STANDING-SEAM METAL ROOF PANELS

- A. Standing-Seam Metal Roof Panel Installation: Fasten metal roof panels to supports with concealed clips at each standing-seam joint at location, spacing, and with fasteners recommended in writing by manufacturer.
1. Install clips to supports with self-tapping fasteners.
 2. Install pressure plates at locations indicated in manufacturer's written installation instructions.
 3. Snap Joint: Nest standing seams and fasten together by interlocking and completely engaging factory-applied sealant.
 4. Watertight Installation:
 - a. Apply a continuous ribbon of sealant or tape to seal joints of metal panels, using sealant or tape as recommend in writing by manufacturer as needed to make panels watertight.
 - b. Provide sealant or tape between panels and protruding equipment, vents, and accessories.
 - c. At panel splices, nest panels with minimum **6-inch (152-mm)** end lap, sealed with sealant and fastened together by interlocking clamping plates.
- B. Accessory Installation: Install accessories with positive anchorage to building and weathertight mounting, and provide for thermal expansion. Coordinate installation with flashings and other components.
- C. Flashing and Trim: Comply with performance requirements, manufacturer's written installation instructions, and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, and set units true to line and level as indicated. Install work with laps, joints, and seams that will be permanently watertight and weather resistant.

3.4 CLEANING AND PROTECTION

- A. Remove temporary protective coverings and strippable films, if any, as metal panels are installed, unless otherwise indicated in manufacturer's written installation instructions. On completion of metal panel installation, clean finished surfaces as recommended by metal panel manufacturer. Maintain in a clean condition during construction.

END OF SECTION 074113.16