

COMPLETION TIME: The Quoter hereby agrees to commence work under the Agreement and Bonds on a date specified in a written "Notice to Proceed" by the Architect and to substantially complete the Work included in this proposal within **Forty Five (45) days** of the date of the written "Notice to Proceed".

LIQUIDATED DAMAGES:

The Quoter hereby also agrees to pay Liquidated Damages in the amount of Three Hundred Dollars (\$300.00) for each consecutive calendar day which the Work is not complete, beginning with the first day beyond the completion time stated above. Said sum shall in no event be construed to be a penalty; but only as damages fixed and agreed upon in advance.

AWARD AND EXECUTION OF CONTRACT:

The Owner shall incur no obligation to the Contractor until the Contract between Owner and Contractor is duly executed. If the Quoter is notified of the acceptance of the Quote, he agrees to execute a contract for the Work accepted, in the standard contract form currently used by the Owner, a copy of which is bound to the Contract Documents. Quoter further agrees to submit the required bonds within five (5) days after notice from the Owner or Architect that the instrument is ready for Successful Quoter signature.

REJECTION:

The Owner reserves the right to reject any or all quotes for cause or in accordance with law.

WITHDRAWAL:

The Quoter agrees that this Quote may not be withdrawn except in accordance with law.

LICENSE CERTIFICATION:

The Quoter certifies that he meets all licensing requirements of the State of Louisiana and as required by law, including under Louisiana Revised Statute. 37:2150.1 through 2164.

PREFERENCE:

A preference in favor of Louisiana quoters may be applied by Owner in accordance with Louisiana Revised Statute. 38:2225 as amended.

ALLOWANCE:

Bidder is to include an allowance for 10% replacement of bad insulation board at the rear of the gym. Any unused portion will be refunded to the owner at the end of the project in the form of a credit change order. Within 15 days of award of contract, the contractor shall submit a per square foot cost for additional insulation board and a per square foot cost in the event of a credit, including all backup, to be approved by Saint Tammany Parish School Board.

2.3 ROOF DRAINAGE SHEET METAL FABRICATIONS

- A. Hanging Gutters: Fabricate to cross section indicated, complete with end pieces, outlet tubes, and other accessories as required. Fabricate in minimum 96-inch- long sections. Furnish flat-stock gutter spacers and gutter brackets fabricated from same metal as gutters, of size recommended by SMACNA but not less than twice the gutter thickness. Fabricate expansion joints, expansion-joint covers, gutter bead reinforcing bars, and gutter accessories from same metal as gutters.
1. Gutter Style: SMACNA designation similar to existing.
 2. Expansion Joints: Lap type.
 3. Gutters: Fabricate from the following materials:
 - a. Aluminum: 0.040 inch thick.
- B. Downspouts: Fabricate rectangular downspouts complete with mitered elbows. Furnish with metal hangers, from same material as downspouts, and anchors.
1. Fabricated Hanger Style: SMACNA figure as required.
 2. Manufactured Hanger Style: SMACNA figure as required.
 3. Fabricate from the following materials:
 - a. Aluminum: 0.040 inch thick.

2.4 LOW-SLOPE ROOF SHEET METAL FABRICATIONS

- A.
- B. Roof-Penetration Flashing: Fabricate from the following materials:
1. Aluminum-Zinc Alloy-Coated Steel: 0.028 inch thick.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, to verify actual locations, dimensions and other conditions affecting performance of the Work.
1. Verify compliance with requirements for installation tolerances of substrates.
 2. Verify that substrate is sound, dry, smooth, clean, sloped for drainage, and securely anchored.
- B. For the record, prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

SMACNA Sheet Metal and Air Conditioning Contractors National Association
Chantilly, VA

UL Underwriters Laboratories
Northbrook, IL

1.05 DESCRIPTION OF WORK

The basic work descriptions required in this specification are referenced below. Equal products or systems are acceptable; submit in accordance with Section 1.06 Submittals. Disconnect and remove, re-install and re-connect all equipment as per notes on plans, Sheet A-1 & Sheet A-2.

Gym Stage Roof

Project Type: Tear-off

Specification #: 2030 IT

Deck: Cementitious wood fiber

Slope: Less than 1/8 inch

Base Sheet: Parabase FS, mechanically attached.

Insulation - tapered layer: Tapered Paratherm System by Siplast, providing for a roof slope of 1/8 inch, applied in Para-Stik Insulation Adhesive.

Insulation - crickets: Tapered Paratherm Crickets by Siplast, providing for a roof slope of 1/4 inch, applied in Para-Stik Insulation Adhesive.

Insulation - top layer: DensDeck Prime by Georgia-Pacific, having a thickness of 1/2 inch, applied in Para-Stik Insulation Adhesive.

Roof System: Paradiene 20 TG, torch applied;

Paradiene 30 FR TG, torch applied

Flashing System: Veral Aluminum, torch applied.

Cafetorium

Project Type: Tear-off

Specification #: 2030 IT

Deck: FM Approved metal

Slope: Less than 1/8 inch

Insulation - tapered layer: Tapered Paratherm System by Siplast, providing for a roof slope of 1/4 inch, mechanically attached simultaneously with the top layer of insulation.

Insulation - top layer: DensDeck Prime by Georgia-Pacific, having a thickness of 1/2 inch, mechanically attached.

Roof System: Paradiene 20 TG, torch applied;

Paradiene 30 FR TG, torch applied

SECTION 076200 - SHEET METAL FLASHING AND TRIM

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. Formed Products:

- a. Formed roof drainage sheet metal fabrications.
 - b. Formed low-slope roof sheet metal fabrications.
 - c. Formed equipment support flashing.

- B. Related Sections:

- 1. Section 07550: Modified Bitumen Membrane Roofing.
 - 2. Section 07110: Prefabricated Fascias Copings and Expansion Joints

1.3 PERFORMANCE REQUIREMENTS

- A. General: Sheet metal flashing and trim assemblies as indicated shall withstand wind loads, structural movement, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Completed sheet metal flashing and trim shall not rattle, leak, or loosen, and shall remain watertight.
- B. Thermal Movements: Provide sheet metal flashing and trim that allows for thermal movements from ambient and surface temperature changes.
 - 1. Temperature Change Range: 120 deg F, ambient; 180 deg F, material surfaces.

1.4 SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each manufactured product and accessory.

SECTION 07550 MODIFIED BITUMEN MEMBRANE ROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES:

- A. Preparation of Substrate to Receive Roofing Materials
- B. Base Sheet and Roof Insulation Application to Prepared Substrate
- C. Roof Membrane Application
- D. Roof Flashing Application
- E. Incorporation of Sheet Metal Flashing Components and Roofing Accessories into the Roof System

1.02 PRODUCTS INSTALLED BUT NOT FURNISHED UNDER THIS SECTION

- A. Sheet Metal Flashing and Trim
- B. Sheet Metal Roofing Specialties

1.03 RELATED SECTIONS

- A. Section 76200 - Sheet Metal Flashing and Trim
- B. Section 07710 – Prefabricated Fascias Copings and Expansion Joints

1.04 REFERENCE STANDARDS

References in these specifications to standards, test methods and codes, are implied to mean the latest edition of each such standard adopted. The following is an abbreviated list of associations, institutions, and societies which may be used as references throughout these specifications.

ASTM	American Society for Testing and Materials Philadelphia, PA
FM	Factory Mutual Engineering and Research Norwood, MA
NRCA	National Roofing Contractors Association Rosemont, IL
OSHA	Occupational Safety and Health Administration Washington, DC