

SECTION

PREFORMED METAL SOFFIT/WALL PANELS

1. WORK SPECIFIED HEREIN

1.1 All labor, material, equipment, and services necessary to furnish and install metal soffit/wall panels as shown or specified, including accessories contiguous with the roofing.

2. SPECIFIED PRODUCTS AND SUBSTITUTIONS

2.1 In accordance with Section 01600.

3. SUBMITTALS

3.1 Submittals required in accordance with Section 01300.

3.2 Submit detailed Product Data including complete installation details.

3.3 Submit Shop Drawings showing seams, trims and flashing. Show size, type of joints and locations, fasteners, special shapes and construction details of work, prior to fabrication and delivery.

3.4 Submit 12 inch by 12 inch Samples of sheet metal material. Sample shall indicate finish, color and thickness.

3.5 Submit complete color chart for Architect's color selection.

3.6 Submit evidence of panel system's compliance with the following test standards:

3.6.1 ASTM E-1680-95 (Air Leakage Resistance)

3.6.2 ASTM E-1646-95 (Water Penetration Resistance)

4. QUALITY ASSURANCE

4.1 Applicable standards:

4.1.1 SMACNA: "Architectural Sheet Metal Manual", Sheet Metal and Air Conditioning Contractors National Association, Inc.

4.1.2 AISC: "Steel Construction Manual", American Institute of Steel Construction.

4.1.3 AISI: "Cold Form Steel Design Manual", American Iron and Steel Institute.

4.1.4 ASTM A 792-83-AZ50: "Specifications for Steel Sheet, Aluminum-Zinc Alloy Coated (Galvanized) by the Hot Dip Process, General Requirements (Zincalume®) or (Galvalume®)", American Society for Testing and Materials.

4.1.5 ASTM E 1680-95: "Standard Test Method for Rate of Air Leakage Through Exterior Metal Roof Panel Systems", American Society for Testing and Materials.

4.1.6 ASTM E 1646-95: "Standard Test Method for Water Penetration of Exterior Metal Roof Panel Systems by Uniform Static Air Pressure Difference", American Society for Testing and Materials.

4.2 Manufacturer's qualifications:

4.2.1 Manufacturer has a minimum of three years experience in manufacturing panels of this nature.

4.3 Installer's qualifications:

4.3.1 Installer of the system shall be an approved installer, certified by the manufacturer, and meet the following minimum criteria:

4.3.2 Maintain general liability coverage for each loss as required by contract.

4.3.3 Maintain sufficient worker's compensation coverage as mandated by law.

4.3.4 Has no viable claims pending regarding negligent acts or defective workmanship on previously performed or current projects.

4.3.5 Has not filed for protection from creditors under any state or federal insolvency or debtor relief statutes or codes.

4.3.6 Project foreman is the person having received specific training in the proper installation of the specified system and will be present to supervise whenever material is being installed.

4.3.7 Provide five references from five different architects or building owners for projects that have been in service for a minimum of two years, stating satisfactory performance by the installer.

4.3.8 Provide certification letter that installer has a minimum of three years of metal product installation experience immediately preceding the date upon which work is to commence.

4.4 Pre-installation Conference:

4.4.1 Prior to installation of soffit/wall system, conduct a pre-installation conference at the project site.

4.4.2 Attendance: Owner, Architect, Contractor, Project Superintendent, and Roof Applicator

4.4.3 Agenda:

4.4.3.1 Soffit/wall details and agenda

4.4.3.2 Critical work sequencing and review of phasing plan

4.4.3.3 Inspection sequencing

5. MATERIALS

5.1 Metal soffit/wall system profile:

5.1.1 Products –Ultra Seam ® US100FP, as manufactured by AARA Architectural Metals.

5.1.2 1 inch high minimum x 12 inch, wide panel (nominal).

5.2 Panel style:

5.2.1 Flush panel, concealed fastener, utilizing male and female configuration.

5.3 Gauge:

5.3.1 24 gauge

5.4 Substrate:

5.4.1 Zinalume®, Galvalume®, or galvanized steel sheet.

5.5 Finish:

5.5.1 Fluoropolymer coating produced with Kynar 500 or Hylar 5000 resin (20 year warranty).

5.6 Color:

5.6.1 **Selected from standard colors.**

5.7 Acceptable manufacturer:

5.7.1 Ultra Seam Inc., 14432 State Route 141 S. Clya, KY 42404 (800) 874-7326

5.8 Other manufacturers desiring approval comply with Section 01600.

5.9 Fasteners:

5.9.1 Roof fasteners shall be approved by the metal roof manufacturer.

6. Accessories:

6.1 Provide all components required per the metal soffit/wall system manufacturer's approved shop drawings for a complete metal soffit/wall system to include panels, trim/flashing, closures, sealants, and any other required items.

6.1.2 All joint sealant is to be a one-part elastomeric polyurethane sealant approved by the metal roof system manufacturer.

6.2 Fabrication

6.2.1 Material shall be in-line tension leveled prior to roll forming panel profile.

6.2.2 Fabricate trim/flashing and accessories to detailed profiles.

6.2.3 Fabricate trim/flashing from same material as panel.

7. EXECUTION

7.1 Inspect installed work of other trades and verify that such work is complete to a point where this work may continue.

7.2 Verify that installation may be made in accordance with approved shop drawings and manufacturer's instructions. .

7.3 Installation

7.3.4 Install panels plumb, level and straight with seams parallel, conforming to design as indicated.

8. CLEANING

8.1 Dispose of excess materials and remove debris from site.

8.2 Clean work in accordance with manufacturer's recommendations.

8.3 Protect work against damage until final acceptance.

8.4 Touch up minor scratches and abrasions.

9. PROJECT CLOSE-OUT

9.1 Issue a written guarantee to the Owner to maintain the roof and flashing in a watertight condition for a period of two years from the date of substantial completion.

9.2 Issue a written 20-year guarantee from the manufacturer for the panel finish system.

END OF SECTION