

SECTION 074113 - METAL ROOF PANELS

PART 1 - GENERAL

1.1 RELATED SECTIONS

- A. 076200: Sheet Metal Flashing and Trim.

1.2 SECTION REQUIREMENTS

- B. Submittals: Product Data.
- C. Provide roof assemblies that meet requirements of UL 580 for Class 90 wind-uplift resistance.

PART 2 - PRODUCTS

2.1 METAL ROOF PANELS

- A. Steel roof panels: Concealed fastener, batten profile roof panel with major ribs, 2” high, spaced 16 inches on center:
 - 1. MBCI: Salt Lake City, Utah, 800-847-2404: “Battenlok”.
 - 2. Metal Sales Corporation: Longmont, Colorado, 800-289-7663: “Magna-loc”.
- B. Galvanized Steel Roof Panels: Fabricated from high strength Galvalume structural steel sheet, ASTM A 792/A 792M, 24 gauge.
- C. Factory finish panel material with manufacturer’s premium fluorocarbon coating. Match MBCI “Everglade”.
- D. Roof Panel Assembly: Batten.

2.2 ACCESSORIES

- A. Provide all components required for a complete roof panel assembly including trim, fascia, clips, seam covers, flashings, sealants, gaskets, fillers, closure strips, and similar items.
- B. Underlayment: ASTM D1970, Metal roof panel and tile underlayment. Self adhering rubberized asphalt sheet membrane with a polymeric film on the surface and a split removable silicone treated released sheet on the adhesive side, 60 mils thick.
- C. Bituminous Coating: Cold-applied asphalt mastic, SSPC-Paint 12, compounded for 15-mil dry film thickness per coat.
- D. Butyl tape sealer as required by the manufacturer.

- E. Hex head steel fasteners with neoprene washers, sized according to manufacturer's panel attachment requirements.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Anchor panels securely in place, with provisions for thermal and structural movement. Field cutting exterior panels by torch is not permitted. Install panels with concealed fasteners, unless otherwise indicated.
- B. Provide tape sealer with approved fasteners spaced 20 inches on center maximum at all lap seams.
- C. Separate dissimilar metals with a bituminous coating or rubberized-asphalt underlayment.
- D. Install underlayment on roof sheathing under metal roof panels unless otherwise recommended by metal roof panel manufacturer.
- E. Install gaskets, joint fillers, and sealants where required for weatherproof performance of metal roof panel assemblies. Provide types of gaskets, fillers, and sealants recommended by metal roof panel manufacturer.
- F. Separate dissimilar metals with a bituminous coating or polymer-modified bituminous sheet underlayment.

END OF SECTION 074113