

SECTION 077100 - ROOF SPECIALTIES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Manufactured roof specialties, including copings and fascias.

1.2 RELATED REQUIREMENTS

- A. Section 077200 - Roof Accessories: Manufactured curbs, roof hatches, and snow guards.

1.3 REFERENCE STANDARDS

- A. ANSI/SPRI/FM 4435/ES-1 - Test Standard for Edge Systems Used with Low Slope Roofing Systems.
- B. NRCA (RM) - The NRCA Roofing Manual.

1.4 SUBMITTALS

- A. See Section 013300 - Submittal Procedures for submittal procedures.
- B. Product Data: Provide data on shape of components, materials and finishes, anchor types and locations.
- C. Shop Drawings: Indicate configuration and dimension of components, adjacent construction, required clearances and tolerances, and other affected work.
- D. Manufacturer's Installation Instructions: Indicate special procedures, fasteners, supporting members, and perimeter conditions requiring special attention.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Provide metal roof and soffit panels by same manufacturer as roof, wall and soffit panels in Section 074113 - Metal Roof Panels.
- B. Roof Edge Flashings and Copings:
 - 1. Basis of Design: Berridge Manufacturing Company; FW-12 Panel: www.berridge.com/#sle.
 - 2. ATAS International, Inc: www.atas.com/#sle.
 - 3. MBCI, a Cornerstone Building Brands Company: www.mbc.com/#sle.
 - 4. Petersen Aluminum Corporation: www.pac-clad.com/#sle.
 - 5. Substitutions: See Section 016000 - Product Requirements.

2.2 COMPONENTS

- A. Roof Edge Flashings: Factory fabricated to sizes required; corners mitered; concealed fasteners.
 - 1. Configuration: Fascia, and edge securement for roof membrane.
 - 2. Pull-Off Resistance: Tested in accordance with ANSI/SPRI/FM 4435/ES-1 using test methods RE-1 and RE-2 to positive and negative design wind pressure as defined by applicable local building code.
 - 3. Exposed Face Height: As indicated on drawings.
 - 4. Material: Formed aluminum sheet, 0.040 inch thick, minimum.
 - 5. Texture: Smooth.
 - 6. Finish: 70 percent polyvinylidene fluoride (PVDF).
 - 7. Color: As selected by Architect from manufacturer's standard range.
 - 8. Products:
 - a. Basis of Design: Berridge Manufacturing Company; FW-12 Panel: www.berridge.com/#sle.
 - b. ATAS International, Inc: www.atas.com/#sle.
 - c. MBCI, a Cornerstone Building Brands Company: www.mbc.com/#sle.
 - d. Petersen Aluminum Corporation: www.pac-clad.com/#sle.
 - e. Substitutions: See Section 016000 - Product Requirements.

2.3 ACCESSORIES

- A. Sealant for Joints in Linear Components: As recommended by component manufacturer.
- B. Adhesive for Anchoring to Roof Membrane: Compatible with roof membrane and approved by roof membrane manufacturer.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that deck, curbs, roof membrane, base flashing, and other items affecting work of this Section are in place and positioned correctly.

3.2 INSTALLATION

- A. Install components in accordance with manufacturer's instructions and NRCA (RM) applicable requirements.
- B. Seal joints within components when required by component manufacturer.
- C. Anchor components securely.
- D. Coordinate installation of components of this section with installation of roofing membrane and base flashings.
- E. Coordinate installation of sealants and roofing cement with work of this section to ensure water tightness.
- F. Coordinate installation of flashing flanges into reglets.

NCWSA Office Addition – 100% Design
Wendel Project No. 616202

END OF SECTION 077100