

**SECTION 07710 - MANUFACTURED ROOF SPECIALTIES****PART 1 - GENERAL****1.1 SECTION REQUIREMENTS**

- A. Submittals: Product Data, Shop Drawings, and color Samples.

**PART 2 - PRODUCTS****2.1 MATERIALS**

- A. Copper Sheet: ASTM B 370, Temper H00 or H01, cold rolled, mill finished.
- B. Prepainted, Zinc-Coated Steel Sheet: ASTM A 653/A 653M, G90 (Z275) coating designation, structural quality, and prepainted by the coil-coating process to comply with ASTM A 755/A 755M.
  - 1. Finish: High-performance organic; two-coat fluoropolymer system with finish coats containing at least 70 percent polyvinylidene fluoride resin by weight.

**2.2 ROOF SPECIALTIES**

- A. General: Provide materials and types of fasteners, protective coatings, separators, sealants, and other miscellaneous items required by manufacturer for a complete installation.
- B. Copings: Manufactured coping system consisting of formed-metal coping cap, concealed anchorage, concealed splice plates, mitered corner units, and end-cap units. Fabricate from exposed metal indicated below.
  - 1. Prepainted, Zinc-Coated Steel: 0.034 inch (0.85 mm) thick.
- C. Gutters and Downspouts:
  - 1. Gutters: Manufactured formed gutter, with mitered and welded or soldered corner units, end caps, outlet tubes, and other accessories. Elevate back edge at least 1 inch (25 mm) above front gutter rim. Furnish with flat-stock gutter straps and gutter support brackets and expansion joints and expansion-joint covers fabricated from same metal as gutters. Fabricate from exposed metal indicated below.
    - a. Gutter Style: Match existing.
    - b. Seamless Aluminum to match existing
  - 2. Downspouts: Where exposed, round with mitered elbows, manufactured from the following exposed metal. Furnish wall brackets of same material and finish as downspouts, with anchors.
    - a. Seamless Aluminum to match existing.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Coordinate with installation of roof decks and other substrates to produce a watertight assembly capable of withstanding inward and outward loading pressures, and thermal and lateral loads.
- B. Expansion Provisions: Install running lengths not exceeding 12 feet (3.6 m), to allow controlled expansion for movement of metal components, and to prevent water leakage, deformation, or damage.

END OF SECTION 07710