SECTION 06 40 13 - EXTERIOR ARCHITECTURAL WOODWORKING

1. GENERAL
   1. ADMINISTRATIVE REQUIREMENTS
      1. Pre-Installation Conference:

1. Attendance: [Design Professional,] [Owner,] [Contractor,] [Construction Manager,] [Design/Builder,] installer, and related trades.

2. Review: Critical installation requirements, delivery and storage, and protection of completed work.

* 1. SUBMITTALS
     1. Action Submittals:
        1. Shop Drawings: In accordance with [AWMAC/WI North American Architectural Woodwork Standards (NAAWS)] [AWI/AWMAC/WI Architectural Woodwork Standards (AWS)] requirements.
        2. Samples: [Selection samples.] [Verification samples.]
     2. Informational Submittals:
        1. Evaluation Service Reports (ESR) from ICC-ES.
        2. Manufacturers’ instructions.
        3. Sustainable design submittals evidencing recycled content and ECC certification.
  2. QUALITY ASSURANCE
     1. Fabricator and Installer Qualifications: Firm specializing in work of this Section, with minimum [2] [\_\_] years’ experience.
     2. Mockups: [8] [\_\_] feet by [8] [\_\_] feet. Approved mockups [may] [may not] remain as part of the Work.
  3. DELIVERY, STORAGE, AND HANDLING
     1. Store panel material on a flat and level surface, under cover in a weathertight enclosure above ground, with ventilation adequate to prevent condensation. Protect from weather and direct sunlight when not in use.

1. PRODUCTS
   1. MANUFACTURERS
      1. Contract Documents are based on Armorite™ Treated Exterior Composite Trim by Roseburg Forest Products Co., 3660 Gateway St, Springfield, OR 97477; 800.245.1115; [www.roseburg.com](http://www.roseburg.com).
      2. Substitutions: [Refer to Division 01.] [Not permitted.]
   2. MATERIALS
      1. Exterior Trim: Exterior grade, no-added urea formaldehyde (NAUF) MDF panels resistant to rot, decay, and insects.
         1. Thickness: [1/2 inch (12.7 mm)] [5/8 inch (15.9 mm)] [3/4 inch (19 mm)] [1 inch (25.4 mm)] [1.181 inch (30 mm)] +/- 0.010 inch (0.25 mm).
         2. Width: [2.0 inch (50.8 mm)] [2.5 inch (63.5 mm)] [3.5 inch (89.0 mm)] [4.5 inch (114.3 mm)] [5.5 inch (139.7 mm)] [7.25 inch (184.2 mm)] [9.25 inch (235.0 mm)] [11.25 inch (285.8 mm)] [15.5 inch (393.7mm)] +/- 0.125-inch (3.18 mm).
         3. Maximum Length: 16 feet (4.88 m).
         4. MDF: ANSI A208.2, Grade 130.
         5. Moisture Resistance Grade: MR50.
         6. Face Finish: Smooth paint grade.
         7. Average moisture content: 4 to 6 percent.
         8. Surface-Burning Characteristics: ASTM E84; Class C.
   3. ACCESSORIES
      1. Fasteners: ASTM A153 or ASTM F2329 hot-dipped zinc-coated galvanized steel, stainless steel, or other corrosion-resistant material in accordance with the building code.
         1. Nail Size: 6d, 8d, or 15 gauge in lengths to penetrate substrate 1-1/4 inch minimum.
      2. Primer and Topcoat Finish Materials: As specified in Division 09 Section "Painting."
      3. Sealant: Compatible with adjacent materials, paintable, non-staining, and complying with requirements in Division 07 Section "Joint Sealants."
      4. Wood Filler: Pure, of highest commercial quality, compatible with coatings and acceptable to panel and coating manufacturers.
      5. Adhesives: Formulation complying with ASTM D 3498 or ASTM C557 that is approved for use indicated by panel and adhesive manufacturers.
   4. FABRICATION
      1. Cut panels using carbide-tipped blades and bits suitable for the intended purpose to avoid chipping.
      2. Ease corners and edges of panels to be painted to ensure paint film thickness continues around corners and edges.
   5. FINISHES
      1. Field Priming: Prime concealed surfaces as well as cut ends prior to installation to minimum 1.5 mil DFT.
2. EXECUTION
   1. INSTALLATION
      1. Install in accordance with [AWMAC/WI North American Architectural Woodwork Standards (NAAWS)] [or] [AWI/AWMAC/WI Architectural Woodwork Standards (AWS)] and approved Shop Drawings.
      2. [Butt] [Miter] ends, corners, and intersections.
      3. Fasten to supporting construction in accordance with manufacturer's written instructions and ICC‑ESR‑4012 [supplementing with adhesive]. Install fasteners in pre-drilled and countersunk holes.
      4. Fill over fasteners with [wood filler] [sealant] and tool flush with panel surface.
      5. Field Painting: Apply topcoat paint in accordance with Division 09 Section "Painting" to minimum 2.5 mil DFT yielding a total primer + topcoat of 4.0 mils DFT.

END OF SECTION