

SECTION 06200 - FINISH CARPENTRY

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Provide finish carpentry for woodwork items exposed to view.
- B. Finished Carpentry Includes:
 - 1. Wood siding.
 - 2. Exterior wood trim.
 - 3. Cap flashing for flat trim.

1.2 APPLICABLE PUBLICATIONS

- A. The Quality Standards of the Architectural Woodwork Institute are hereby made a part of this Specification. Terms of quality and construction are as indicated in the Quality Standards and apply in all cases except where other is specified.
- B. Lumber: Western Wood Products Association (WWPA) 1974 Grading rules.
- C. Plywood: American Plywood Association and U.S. Product Standard PS 1-83 for Softwood Plywood.

1.3 SUBMITTALS

- A. Submit Shop Drawings for all millwork, in accordance with Section 01300.

1.4 PRODUCT HANDLING

- A. Millwork shall be protected against dampness during and after delivery. Do not store or install millwork in any part of the building until concrete and masonry are dry.

1.5 WORKMANSHIP

- A. Millwork shall be manufactured in accordance with scale drawings, full size details and approved Shop Drawings.
- B. All work shall be erected plumb and true to line and shall be cut, fitted, coped, scribed and finished to present a clean, well-worked appearance.

1.6 PROTECTIVE TREATMENT

- A. All exterior and interior trim and finish woodwork shall be primed. All sides at the job as specified under Section 09900 - Painting, before erection.

1.7 RELATED WORK

- A. Section 09900: Painting.

PART 2 - PRODUCTS

2.1 MATERIALS AND GRADES

- A. Nails and fastenings for exterior work shall be hot-dipped galvanized or aluminum.
- B. MDO Plywood: APA medium density overlay, exposed faces only.

- C. Clapboards:
1. Fiber-Cement Siding: Hardie Plank, Smooth Plank siding, 5/16 inch by 7-1/4 inch, 6 inch exposure, factory primed.
 - a. Fasteners to Metal: Corrosion resistant ribbed bugle-head screws of sufficient length to penetrate a minimum of 1/4 inch or 3 screw-threads into substrate. Exposed fasteners shall be stainless steel. For fastening to wood, use corrosion resistant ribbed bugle-head screws of sufficient length to penetrate a minimum of 1 inch into substrate.
 - b. Note: For fiber-cement siding, gypsum sheathing is not required over the plywood.
- D. Column cover panels:
1. Fiber-Cement Siding: Hardie Plank, Smooth panel siding, 5/16 inch, factory primed.
- E. Exterior Wood Trim: Select white pine or Grade A, Red Cedar WWPA graded; S2S-2E.
- F. Metal Flashing: Minimum .022 inch thick aluminum with factory applied polyester prime paint finish. Provide one shop coat of finish to match siding before installation of flashing. Installed flashing specified to be field painted with second coat of finish under Section 09900.
1. Fabricate for waterproof and weather-resistant performance, sufficient to permanently prevent leakage, damage, or deterioration of the work. Form work to fit substrates. Form shapes with metal break equipment, providing minimum of 8 foot lengths.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Trim and Finish Woodwork:
1. Trim shall be nailed with finish nails properly set for putty-stopping by painter. All finish shall be sanded with corners eased slightly.
 2. Miter cut and stain ends of all trim and finish before erection.
 3. All exposed plywood edges shall be sanded, filling all voids with wood filler.
 4. Install with minimum number of joints practical, using full-length pieces from maximum lengths of lumber available. Do not use pieces less than 24 inches (610 mm) long, except where necessary. Stagger joints in adjacent and related standing and running trim. Cope at returns and miter at corners to produce tight-fitting joints with full-surface contact throughout length of joint. Use scarf joints for end-to-end joints.
 5. Fit exterior joints to exclude water. Apply flat grain lumber with bark side exposed to weather.
- B. Fiber-Cement Siding:
1. General: Comply with siding manufacturer's written installation instructions applicable to products and applications indicated unless more stringent requirements apply. Install starter strip and trim as indicated and as recommended by manufacturer of panel siding system. Install siding with tolerances and fastener spacings as recommended by manufacturer, installing subsequent courses to form a weathertight surfacing.
 - a. All field cuts shall be sealed with one coat of finish before installing. Allow coating to dry before caulking.
 - b. Allow uniform 1/8-inch gap where siding abuts trim, and from bottom of flashings. Use gauge block to assure proper spacing. Caulk joints, filling 1/8 inch wide joint to a depth of not less than 3/16-inch. Do not smear caulk on to face of siding.
 - c. Fill face fastener screw slots with putty to partially conceal fastener heads. Do not smear putty on to face of siding.
 2. Installation of Horizontal Lap Siding:
 - a. Install horizontal siding in maximum available lengths, full length without butt joints where length required is less than 12 feet. Stagger end joints so that joints are separated horizontally a minimum of 3 feet and with at least three panels separation vertically. Lengths of installed siding shall not be less than 32 inches long. "Shorts" shall not be dispersed between full-length siding runs.

- b. Lap siding over lower course 1-1/4 inches and blind fasten through horizontal siding into steel studs, locating fasteners 1 inch down from top edge. Fasten starting from one end and work across to the other. Locate butt joints to fall on studs. Butt joints shall be tight (moderate contact) against adjacent piece, with hairline seam. Each vertical butt joint shall be back-flashed with 6 inch wide by height of siding piece of .019 inch thick painted aluminum flashing, installed shingle fashion to divert water onto lower course of siding. Provide face fastener at each corner of butt joint, with head of fastener flush with face surface.

END OF SECTION 06200