

SECTION 06 20 13 -EXTERIOR FINISH CARPENTRY

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Exterior Trim
- B. Related Sections include the following:
 - 1. Division 07 Section "Siding" for fiber-cement siding.
 - 2. Division 07 Section "Sheet Metal Flashing and Trim" for flashing materials.

1.3 DEFINITIONS

- A. Lumber grading agencies, and the abbreviations used to reference them, include the following:
 - 1. ALSC: American Lumber Standard Committee
 - 2. NLGA: National Lumber Grades Authority.
 - 3. WCLIB: West Coast Lumber Inspection Bureau.
 - 4. WWPA: Western Wood Products Association.

1.4 SUBMITTALS

- A. Product Data:
 - 1. For each type of wood preservative product used on exterior finish carpentry materials.
 - 2. For each glue, primer, stain, sealant, flashing and fastener used.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Package for delivery to best protect materials while using the least amount of single-use packaging as possible. If possible, package and ship product using reusable blankets and fabrics or reusable cardboard and crate systems.
- B. Protect materials against weather and contact with damp or wet surfaces from time of delivery through time of installation. Store materials inside under cover and keep them dry and protected against damage from weather, condensation, direct sunlight, construction traffic, and other causes.
- C. When storing prior to installation, raise off floor on pallets, stack flat with protective material between to eliminate chance of creating nicks, scratches, and other imperfections and damage to surfaces, wrap weather-tight, and provide for air circulation within and around stacks and under temporary coverings.
- D. Do not store materials near other materials that may off-gas or emit harmful fumes, such as kerosene heaters, fresh paint, adhesives, etc.
- E. Do not allow materials to become damp. Maintain temperatures at 60°F or higher, and humidity between 20% and 60% during and after installation.

1.6 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions

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permit work to be performed and at least one coat of specified finish can be applied without exposure to rain, snow, fog or other dampness.

- B. Do not install finish carpentry materials that are wet, moisture damaged, or mold damaged.
 - 1. Indications that materials are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
 - 2. Indications that materials are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

PART 2 – PRODUCTS

2.1 MATERIALS, GENERAL

- A. Lumber: DOC PS 20 (American Softwood Lumber Standard) and applicable grading rules of inspection agencies certified by ALSC's Board of Review.
 - 1. Factory mark each piece of lumber with grade stamp of inspection agency indicating grade, species, moisture content at time of surfacing, and mill.
 - 2. For exposed lumber, mark grade stamp on end or back of each piece or omit grade stamp and provide certificates of grade compliance issued by inspection agency.

2.3 WOOD TO BE PAINTED

- A. Lumber: Cedar, Fascia grade, S4S.

2.5 MISCELLANEOUS MATERIALS

- A. Fasteners for Exterior Finish Carpentry: Provide nails or screws, in sufficient length to penetrate not less than 1-1/2 inches into wood substrate.
 - 1. For prefinished items, provide matching prefinished aluminum fasteners where face fastening is required.
 - 2. For pressure-preservative-treated wood, provide hot-dip galvanized steel fasteners.
 - 3. For applications not otherwise indicated, provide stainless steel or hot-dip galvanized steel fasteners.
- B. Wood Glue: Waterproof resorcinol glue only as recommended by manufacturer for exterior carpentry use.
- C. Flashing: Comply with requirements in Division 07 Section "Sheet Metal Flashing and Trim" for flashing materials installed in exterior finish carpentry.
- D. Sealants: Latex, complying with ASTM C 834, Type P, Grade NF and with applicable requirements in Division 07 Section "Joint Sealants," recommended by sealant manufacturer and manufacturer of substrates for intended application.
 - 1. Products: Subject to compliance with requirements, provide one of the following:
 - a. Pecora Corporation; AC-20+.
 - b. Tremco; Tremflex 834.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance.
- B. Examine finish carpentry materials before installation. Reject materials that are wet, moisture damaged, and mold damaged.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

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- A. Clean substrates of projections and substances detrimental to application.
- B. Cut to required lengths and seal ends prior to finish staining or painting. Prime lumber to be painted, including both faces and edges. Comply with requirements in Division 09 Section "Exterior Painting."

3.3 INSTALLATION, GENERAL

- A. Do not use materials that are unsound, warped, improperly treated or finished, inadequately seasoned, or too small to fabricate with proper jointing arrangements.
- B. Install exterior finish carpentry level, plumb, true, and aligned with adjacent materials. Use concealed shims where necessary for alignment.
 - 1. Scribe and cut exterior finish carpentry to fit adjoining work. Refinish and seal cuts as recommended by manufacturer.
 - 2. Install to tolerance of 1/8 inch in 96 inches for level and plumb. Install adjoining exterior finish carpentry with 1/32-inch maximum offset for flush installation and 1/16-inch maximum offset for reveal installation.
 - 3. Coordinate exterior finish carpentry with materials and systems in or adjacent to it. Provide cutouts for mechanical and electrical items that penetrate exterior finish carpentry.

3.4 ADJUSTING

- A. Replace exterior finish carpentry that is damaged or does not comply with requirements. Exterior finish carpentry may be repaired or refinished if work complies with requirements and shows no evidence of repair or refinishing. Adjust joinery for uniform appearance.

3.5 CLEANING

- A. Clean exterior finish carpentry on exposed and semi-exposed surfaces. Touch up factory-applied finishes to restore damaged or soiled areas.

3.6 PROTECTION

- A. Protect installed products from damage from weather and other causes during construction.
- B. Remove and replace finish carpentry materials that are wet, moisture damaged, and mold damaged.
 - 1. Indications that materials are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
 - 2. Indications that materials are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

3.7 WASTE MANAGEMENT

- 1. Separate wood waste in accordance with the Waste Management Plan.
- 2. Manage materials and field cuts to reduce amount of waste leaving site. Reuse scraps when feasible. Separate the following for salvage or reuse on site:
 - a. Framing members larger than 16"
 - b. Multiple offcuts of any size larger than 12"
- 3. Set aside damaged wood for acceptable alternative uses – for example, use as bracing, blocking, cripples, or ties.
- 4. Do not burn lumber that is treated or less than a year old.
- 5. Separate the following for disposal and place in areas designated for hazardous materials:
 - a. Treated, stained, painted, or contaminated wood.

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6. When not able to be re-used on site, stockpile clean, untreated offcuts for delivery to MRWMD's wood recycling center.

END OF SECTION