

SECTION 06 2023

INTERIOR FINISH CARPENTRY

PART 1 GENERAL

1.1 SUMMARY

- A. Provide finish carpentry as indicated on the Drawings and specified herein, including, but not limited to:
 - 1. Wood ceilings.
 - 2. Interior standing and running trim.
 - 3. Anchors, fasteners and other accessories required for a complete installation.
- B. Related Documents and Sections: Examine Contract Documents for requirements that directly affect or are affected by Work of this Section. Other Documents and Sections that directly relate to work of this Section include, but are not limited to:
 - 1. General provisions of the Contract, including General and Supplementary Conditions, and Division 01 General Requirements Specification Sections.
 - 2. Section 05 5000 - METAL FABRICATIONS.
 - 3. Section 06 1000 - ROUGH CARPENTRY.
 - 4. Section 06 2013 - EXTERIOR FINISH CARPENTRY.
 - 5. Section 06 4000 - ARCHITECTURAL WOODWORK.
 - 6. Section 09 9100 - PAINTING.

1.2 SUBMITTALS

- A. Product Data: For each type of process and factory-fabricated product. Indicate component materials, dimensions, profiles, textures, and colors and include construction and application details.
- B. Samples:
 - 1. For each species and cut of lumber and panel products, with 1/2 of exposed surface finished; 50 sq. in. for lumber.

1.3 QUALITY ASSURANCE

- A. Fabricator Qualifications: Firm with no less than 5 years of production experience similar to a specific project, whose qualifications indicate the ability to comply with the requirements of this Section.
- B. Installer Qualifications: Firm that can demonstrate successful experience in installing architectural woodwork items similar in type and quality to those required in this Section.
- C. Quality Standards:
 - 1. Power-Driven Fasteners: CABO NER-272.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Stack materials flat with spacers between each bundle to provide air circulation. Protect materials from weather by covering with waterproof sheeting, securely anchored. Provide for air circulation

around stacks and under coverings.

1.5 FIELD CONDITIONS

- A. 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 FINISH CARPENTRY, GENERAL

- A. Do not deliver materials to site until building has been closed in, wet work is completed and sufficiently dry, and building is continuously maintained at a temperature above 65oF. Obtain Construction Manager's approval before delivering materials or fabricated items. Store materials off the floor, fully protected from damage.
- B. Provide fasteners and hardware required to complete the work. Use concealed fastenings wherever possible.
- C. Provide solid lumber, kiln-dried to moisture content of 5% to 10% by weight, with average not to exceed 8%.
- D. Furnish lumber in longest practical lengths. Use single-length pieces wherever possible.
- E. Take necessary field measurements before starting fabrication of built-in work.

2.2 INTERIOR TRIM

- A. Sizes and Patterns:
 - 1. Provide shaped lumber and millwork in the patterns indicated on Drawings and Finish Schedule.
- B. Trim, Finish and frames
 - 1. Opaque: Refer to Finish Schedule on Drawings.
 - a. Pre-primed poplar, or Architect acceptable equivalent.
 - 2. Trim: Install with hollow back.

2.3 WOOD CEILING

- A. 1 in. x 8 in. tongue and groove, clear (D Select), WCLIB or WWPA. hemlock, natural color, smooth face.
 - 1. Minimum length: 10 ft.
- B. Finish: Match wood flooring. Refer to Section 096400.

2.4 MISCELLANEOUS MATERIALS

- A. Miscellaneous Fasteners for Finish Carpentry: Provide nails or screws, in sufficient length to penetrate not less than 1-1/2 inches into wood substrate.

1. For face-fastening siding, provide ringed-shank siding nails unless otherwise indicated.
2. For prefinished items, provide matching prefinished aluminum fasteners where face fastening is required.

B. Wood Glue: Waterproof resorcinol glue recommended by manufacturer for exterior carpentry use.

C. End Grain Sealer: Specifically formulated for each wood species.

2.5 FINISHING

A. To greatest extent possible, finish woodwork at fabrication shop in compliance with Section 09 9100 - PAINTING. Finish all sides and surfaces prior to attachment. Defer only final touchup and cleaning until after installation.

1. Finish: As selected by Architect.

2.6 FABRICATION

A. Ease square edges of lumber less than 1 inch in nominal thickness to 1/16-inch radius and edges of lumber 1 inch or more in nominal thickness to 1/8-inch radius.

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

A. Clean substrates of projections and substances detrimental to application.

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 finish carpentry level, plumb, true, and aligned with adjacent materials. Use concealed shims where necessary for alignment.
 1. Scribe and cut finish carpentry to fit adjoining work. Seal cuts as recommended by manufacturer.
 2. Install to tolerance of 1/8 inch in 96 inches for level and plumb. Install adjoining finish carpentry with 1/32-inch maximum offset for flush installation and 1/16-inch maximum offset for reveal installation.
 3. Coordinate finish carpentry with materials and systems in or adjacent to it. Provide cutouts for mechanical and electrical items that penetrate finish carpentry.

3.4 TRIM INSTALLATION

A. 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 long, except where necessary. Stagger

joints in adjacent and related standing and running trim. Cope at returns, miter at outside corners, and cope at inside corners to produce tight-fitting joints with full-surface contact throughout length of joint. Use scarf joints for end-to-end joints. Plane backs of casings to provide uniform thickness across joints where necessary for alignment.

1. Install trim after gypsum-board joint finishing operations are completed.
2. Install without splitting; drill pilot holes before fastening where necessary to prevent splitting. Fasten to prevent movement or warping. Countersink fastener heads on exposed carpentry work and fill holes.

3.5 CEILING INSTALLATION

- A. Install with minimum number of joints practical, using full-length pieces from maximum lengths of lumber available. Do not use pieces less than 10 feet long, except where necessary. Stagger joints in adjacent ceiling boards. Use scarf joints for end-to-end joints.
 1. Install ceilings after gypsum-board joint finishing operations are completed.
 2. Install through tongue of each board. Where face nailing is necessary, install fasteners without splitting; drill pilot holes before fastening where necessary to prevent splitting. Fasten to prevent movement or warping. Countersink fastener heads and fill holes.

3.6 FIELD PAINTING

- A. Furnish field painting on surfaces of wood as required in accordance with Section 09 9100 - PAINTING.

3.7 ADJUSTING

- A. Replace finish carpentry that is damaged or does not comply with requirements. 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.

3.8 CLEANING

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

3.9 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.

END OF SECTION