

SECTION 06 20 00 - FINISH CARPENTRY

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 DESCRIPTION

- A. This Section includes wood trim, wood railings and other mill items, installation of hardware and hanging wood doors.

1.03 RELATED WORK SPECIFIED ELSEWHERE

Section 05 50 00 – Metal Fabrications
Section 06 01 00 - Rough Carpentry
Section 06 40 00 – Interior Architectural Woodwork
Section 08 14 16 - Flush Wood Doors

1.04 STANDARDS

- A. Except as otherwise shown or specified comply with provisions of Architectural Woodwork Institute (AWI) "Quality Standards".

1.05 SUBMITTALS

- A. Submit shop drawings and manufacturer's product data. Shop drawings shall show location of each item, dimensioned plans and elevations, large scale details, attachment devices and other components.
- B. Submit fabricator's certification stating that the fabricated work meets the woodwork grades specified.

1.06 PROTECTION

- A. Protect woodwork during transit, delivery, storage and handling to prevent damage, soiling and deterioration.
- B. Do not deliver woodwork until painting, wet work and similar operations which could damage, soil or deteriorate woodwork have been completed in installation areas. If, due to unforeseen circumstances, woodwork must be stored in other than installation areas, store only in areas which meet the requirements specified for installation areas.
- C. Maintain temperature and humidity in installation area as required to maintain moisture content of installed woodwork within a 1.0 percent tolerance of the

optimum moisture content, from the date of installation through the remainder of the construction period. The fabricator of the woodwork shall determine the optimum moisture content and required temperature and humidity conditions.

1.07 QUALITY STANDARDS

- A. For the following types of architectural woodwork comply with the indicated standards:

Standing and running trim and rails - AWI Section 300
Miscellaneous work - AWI Section 700

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Provide kiln-dried lumber with an average moisture content range of 6% to 11% interior work. Maintain temperature and relative humidity during fabrication, storage and finishing operations so that moisture content values for woodwork at time of installation do not exceed 5% to 10% for interior wood finish.
- B. Interior wood for transparent finish:
1. See drawings.
- C. Screws: Select material, type, size and finish required for each use. Comply with FS FF-S-111 for applicable requirements. For attachment of wood trim to interior steel framing use USG Type S Trim Head Screws, or equal.
- D. Nails: Select material, type, size and finish required for each use. Comply with FS FF-N-105 for applicable requirements.

2.02 WOODWORK DESIGN AND FABRICATION

- A. Comply with the details shown for profile and construction of architectural woodwork and, where not otherwise shown, comply with applicable Quality Standards, with alternate details at Fabricator's option.
- B. Machine and sand woodwork to comply with requirements of Standards for specified grade.
- C. Before proceeding with fabrication of woodwork required to be fitted to other construction, obtain measurements and verify dimensions and shop drawing details as required for accurate fit. Where sequence of measuring substrates before fabrication would delay the project, proceed with fabrication (without field measurements) and provide ample borders and edges to allow for subsequent scribing and trimming of woodwork for accurate fit.

2.03 INTERIOR ARCHITECTURAL WOODWORK

- A. Fabricate interior woodwork to dimensions, profiles and details shown. Rout or groove reverse side (backed-out) of trim members to be applied to flat surface, except for members with ends exposed in finish work.
- B. Interior woodwork will have either a transparent finish or painted finish as noted on the Drawings for each condition.
- C. Standing and Running Trim, Rails, and Miscellaneous Items - Custom Grade.

PART 3 – EXECUTION

3.01 INSTALLATION

- A. Condition woodwork to average prevailing humidity conditions in installation areas prior to installing.
- B. Install the work plumb, level, true and straight with no distortions. Shim as required using concealed shims. Install to a tolerance of 1/8" in 8'-0" for plumb and level; and with 1/16" maximum offset in flush adjoining surfaces, 1/8" maximum offsets in revealed adjoining surfaces.
- C. Scribe and cut work to fit adjoining work, and refinish cut surfaces or repair damaged finish at cuts.
- D. Anchor woodwork to anchors or blocking built-in or directly attached to substrates. Secure with countersunk, concealed fasteners and blind nailing for a complete installation. Use fine finishing nail for exposed nailings, countersunk and filled flush with woodwork, and matching finish where transparent finish is indicated.
- E. Install standing and running trim with minimum number of joints possible, using full-length pieces (from maximum length of lumber available) to the greatest extent possible. Stagger joints in adjacent and related members. Cope at returns, miter at corners, and comply with Quality Standards for joinery.

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- F. Repair damaged and defective woodwork wherever possible to eliminate defects functionally and visually; where not possible to repair properly, replace woodwork. Adjust joinery for uniform appearance.

END OF SECTION