

SECTION 06200
FINISH CARPENTRY

PART 1 - GENERAL

- 1.1 RELATED DOCUMENTS
- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Section, apply to the work of this section.
- 1.2 DESCRIPTION OF WORK
- A. Definition: Finish carpentry includes carpentry work which is exposed to view, is non-structural, and which is not specified as part of other sections.
 - B. Types of finish carpentry work in the section include:
 - 1. Exterior running and standing trim.
 - 2. Interior running and standing trim.
 - C. Rough carpentry is specified in another Division 6 section.
- 1.3 QUALITY ASSURANCE
- A. Factory mark each piece of lumber and plywood with type, grade, mill and grading agency identification; except omit marking from surfaces to receive transparent finish, and submit mill certificate that material has been inspected and graded in accordance with requirements if it cannot be marked on a concealed surface.
 - B. Fire Retardant marking: Mark each unit of fire-retardant treated lumber and plywood with classification marking of Underwriters Laboratory, Inc.
- 1.4 SUBMITTALS
- A. Samples: Submit the following samples for each species and cut pattern of finish carpentry:
- 1.5 PRODUCT DELIVERY, STORAGE, AND HANDLING
- A. Protect finish carpentry materials during transit, delivery, storage, and handling to prevent damage, soiling and deterioration.
 - B. Do not deliver finish carpentry materials until painting, wet work, grinding and similar operations which could damage, soil, or deteriorate woodwork have been completed in installation areas. If, due to unforeseen circumstances, finish carpentry materials must be stored in other than installation areas, store only in areas meeting requirements specified for installation areas.
- 1.6 JOB CONDITIONS
- A. Conditioning: Installer shall advise Contractor of temperature and humidity requirements for finish carpentry and installation areas. Do not install finish carpentry until required temperature and relative humidity have been stabilized and will be maintained in installation areas.
 - B. Maintain temperature and humidity in installation area as required to maintain moisture content of installed finish carpentry within a 1.0% tolerance of optimum moisture

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

PART 2 - PRODUCTS

2.1 WOOD PRODUCTS QUALITY STANDARDS

- A. Softwood Lumber Standards: Comply with PS 20 and with applicable grading rules of the respective grading and inspecting agency for the species and product indicated.
- B. Plywood Standard: Comply with PS/1 ANSI A199.1.
- C. Hardwood Lumber Standard: Comply with National Hardwood Lumber Association (NHLA) rules.
- D. Hardwood Plywood Standard: Comply with PS 51.
- E. Woodworking Standard: Where indicated for a specific product, comply with specified provision of the following:
 - 1. Architectural Woodwork Institute (AWI) "Quality Standards".

2.2 MATERIALS

- A. General:
 - 1. Nominal sizes are indicated, except as shown by detailed dimension. Provide dressed or worked and dressed lumber, as applicable, manufactured to the actual sizes as required by PS 20.
 - 2. Moisture Content of Hardwood Lumber: Provide seasoned (KD) lumber having a moisture content from time of manufacture until time of installation within the ranges required in the referenced woodworking standard.
 - 3. Lumber for Transparent Finish (Stained or Clear): Use pieces made of solid lumber stock.
 - 4. Lumber for Painted Finish: At Contractor's option, use pieces which are either glued-up lumber or made of solid lumber stock.
- B. Exterior Finish Carpentry:
 - 1. Standing and Running Trim:
 - a. Species: Fir
 - 1) Grade: Clear VG
 - b. Species: Western Red Cedar, WWPA or WCLIB
 - 1) Grade: B and Btr. - 1 and 2 Clear
 - c. Species: Southern Yellow Pine SYB, Grade No. 1 or 6 and STR
 - d. Contractor's Option: Provide either species listed above.
 - e. Texture: Surfaced (smooth)
 - 2. Plywood for Painted Finish: Any softwood species exterior type, maximum density overlay (MDO/EXT-APA, of thickness indicated).

- C. Interior Finish Carpentry:
 - 1. Standing and Running Trim for Painted Finish: Any Western softwood species graded and inspected by WWPA complying with the following requirements:
 - a. Grade for Standard Sizes and Patterns: "C Select" or "Choice" for Idaho White Pine, "C" for Southern Yellow Pine
 - b. Grade for Special (custom) Sizes and Patterns: Custom for quality of materials and manufacture as required in referenced woodworking standard.
 - 2. Standing and Running Trim for Transparent Finish: Plain Sawn Maple manufactured to sizes and patterns (profile) shown from selected First Grade Lumber (NHLA); complying with following grade requirements of referenced woodworking standard, for quality materials and manufacture:
 - a. Grade: Custom
- D. Miscellaneous Materials:
 - 1. Fasteners and Anchorages: Provide nails, screws, and other anchoring devices of the type, size, material and finish required for application indicated to provide secure attachment, concealed where possible, and complying with applicable Federal Specifications.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Condition wood materials to average prevailing humidity conditions in installation areas prior to installing.

3.2 INSTALLATION

- A. Discard units of material which are unsound, warped, bowed, twisted, improperly treated, not adequately seasoned, or too small to fabricate work with minimum of joints or optimum jointing arrangements, or which are of defective manufacturer with respect to surfaces, sizes or patterns.
- 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 countertops; and with 1/16" maximum offset in flush adjoining 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 finish carpentry work to anchorage devices or blocking built-in directly attached to substrates. Secure to grounds, stripping and blocking with countersunk, concealed fasteners and blind nailing as required for a complete installation. Except where prefinished matching fasteners heads are required, use fine finishing nail for exposed nailings, countersunk and filled flush with finished surface, and matching final finish where transparent is indicated.

3.3 ADJUSTMENT, CLEANING, FINISHING AND PROTECTION

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

- B. Refer to Division 9 Sections for final finishing of installed finish carpentry work.
- C. Protection: Installer of finish carpentry work shall advise Contractor of final protection and maintained conditions necessary to ensure that work will be without damage at time of acceptance.

END OF SECTION