

**ARCHITECTURE**

**SECTION 06200**

**FINISH CARPENTRY AND ARCHITECTURAL MILLWORK**

**PART 1 GENERAL**

1.1 Summary

A. Section Includes:

1. Pre-manufactured Casework Units, Finish carpentry, architectural Millwork, and wood trim including, but not limited to the following:
  - a. Interior Standing and Running Trim.  
Interior trim shall be "custom grade" manufactured from solid stock.
  - b. Hardwood wall panels, wainscoting and base trim with transparent finish at building vestibule and lobby.
  - c. Premanufactured casework and postformed plastic laminate countertops.
  - d. Custom casework for reception desk.

B. Refer to Section 04410, Stone Countertops for additional countertop information.

1.2 Shop Drawings and Samples:

1. Provide Shop drawings for all work in this section. Indicate all finishes and materials.
2. Submit 3 each - 8" square samples of each solid hardwood and plywood finish showing maximum color range. Coordinate with Section 09900.

**PART 2 - PRODUCTS**

2.1 Materials

A. References:

1. FS MM-L-736 Lumber, Hardwood
2. FS MMM-A-130 Adhesive, Contact
3. NEMA LD3 High Pressure Decorative Laminates
4. PS 1 Construction and Industrial softwood Plywood
5. PS 20 American Softwood Lumber Standard
6. PS 51 Hardwood and Decorative Plywood
7. PS 58 Basic Hardwood
8. AWI Quality Standards
9. WWPA - Western Wood Products Association

B. Lumber, hardwood, softwood, and composite panels shall conform to the applicable fabrication standards from AWI or WIC.

C. Moisture Content: Minimum 6 percent, maximum 12 percent up to 2" nominal thickness, maximum 19 percent for pieces thicker than 2".

D. Concealed Plywood: Comply with U.S. Product Standard PS 1, Group 1, Douglas Fir unless otherwise specified or noted. Use exterior grade only, without visible patches or repairs on exposed sides.

1. A-B Grade: Where both faces are exposed.
2. A-C Grade: Where only one face is exposed.

2.2 Interior Standing and Running Trim

A. Provide clear finish grade materials for wall panels, wainscoting and base trim at first floor elevator lobby and entrance vestibule in profiles delineated on drawings or Architect approved substitution of manufacturer's standard profile.

1. Use lengths of stock that allow joints to occur at construction joints of assemblies. Minimize joints in middle of lumber runs.

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- B. Provide finger jointed materials at optional wood trim to receive a painted finish, in profiles delineated on drawings or Architect approved substitution of manufacturer's standard profile.
  - 1. Finger jointing of material will be allowed in paint grade applications but joints are to be kept to a minimum, with sections a minimum of 2 feet in length.

### 2.3 Particle Board

- A. Particle Board: Subject to compliance with requirements, manufacturers offering specified items which may be incorporated in the Work include the following:
  - 1. "X-Flame" - Masonite Corp/Particle Board Div. Stuart, VA (703) 694-7151.
  - 2. "Duraflake FR" - Williamette Industries, Inc., Albany, OR (503-928-3341).
- B. Density: 44 pounds per cubic feet minimum.
- C. Fire retardant type with test results by ASTM E84 of:
  - 1. Flame Spread: 25 maximum.
  - 2. Smoke Developed: 25 maximum.
  - 3. Fuel Contributed: 25 maximum.

### 2.4 Adhesives

- A. Wood Glue: Waterproof type as recommended by AWI standards for the particular application.
- B. Adhesive for Plastic Laminate: Non-flammable
  - 1. "DAP Weld-Wood, Non-Flammable Type" - Beecham Products, Inc., Dayton, OH (800) 634-8382.
  - 2. "Penacolite - G1149A/G1131B or G1124" - Koppers Co., Inc., Chemical, Pittsburgh, PA (800) 556-7727.
  - 3. Molded Trim Adhesive: As recommended by molding manufacturer for intended use.

### 2.5 Fabrication

- A. Woodwork:
  - 1. Interior trim shall be "custom grade" manufactured from solid stock meeting the following requirements:
    - a. Minor warp which can be held flat and straight with normal nailing.
    - b. Natural and manufacturing defects in excess of those permitted in the grade specified are permitted if such defects are to be covered by adjoining members or otherwise concealed.
    - c. Trim members for application on flat surfaces shall have the reverse side "backed out", except members with exposed ends.
    - d. "Custom grade" pieces shall be smoothly machined with top flat surfaces machine sanded. Depressed flat surfaces and molded contours shall be smoothly machined.
  - 2. Carefully fit equipment to be installed into millwork. Provide filler pieces when required.
  - 3. Protection: Exposed ends of millwork to be sealed with two coats of spar varnish. See Section 09900 - Painting.
- B. Premanufactured Casework:
  - 1. Provide base cabinets and wall cabinets in configurations shown on plans. Provide frameless design cabinets with recessed flat panel doors in maple. Provide casework as manufactured by one of the following (*Standard of Design – Woodmode, Brookhaven I Cabinet with an Edgemont Recessed Door Design*):
    - a. Armstrong
    - b. Merrilat.
    - c. Woodmode
    - d. Architect approved equal.

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- C. Plastic Laminate Work:
1. Post form tops with same horizontal surface grade of laminate unless indicated otherwise.
  2. Vertical surfaces of cabinets and tops to be same grade as horizontal surface.
  3. Counters and work tops with sinks: Apply trim and edging prior to surface sheet. Substrate for back splashes and at edges shall be trimmed lumber. Use only exterior grade or marine grade Plywood at wet areas. All adhesives used near water shall be formulated to be specially water resistant.

**PART 3 - EXECUTION**

- 3.1. General: Install woodwork items in accordance with referenced standards; use blind nailing or glue. Face nails shall be set in and puttied.
- 3.2. Screws shall be used for attachment to metal; setting and stopping of screws shall be in the same manner as required where nails are used.
- 3.3. Provide cutouts for plumbing fixtures, inserts, appliances, outlet boxes, and other fixtures and fittings.
- 3.4. Interior Woodwork and Trim scheduled to receive a clear finish, shall be "custom grade" manufactured from solid stock.
- 3.5. Apply veneers or plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Make corners and joint hairline. Locate counter butt joints minimum 2 feet from sink cut-outs. Use single sheet at corners. Seams will not be permitted at corners, unless otherwise approved by Architect. Arrange joints in vertical edges away from common view.

**END OF SECTION**