

SECTION 06402 - INTERIOR ARCHITECTURAL WOODWORK**PART 1 - GENERAL****1.1 SECTION REQUIREMENTS**

- A. **Submittals:** Shop Drawings and Samples showing the full range of colors, textures, and patterns available for each type of finish.
- B. **Quality Standard:** Architectural Woodwork Institute's "Architectural Woodwork Quality Standards."
- C. **Forest Certification:** Provide woodwork produced from wood obtained from forests certified by an FSC-accredited certification body to comply with FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship."
- D. **Environmental Limitations:** Do not deliver or install woodwork until building is enclosed, wet work is completed, and HVAC system is operating.

PART 2 - PRODUCTS**2.1 MATERIALS**

- A. **Hardboard:** AHA A135.4.
- B. **Medium-Density Fiberboard:** ANSI A208.2, Grade 130, made with binder containing no urea formaldehyde.
- C. **Particleboard:** ANSI A208.1, Grade M-2.
- D. **Softwood Plywood:** DOC PS 1.
- E. **Hardwood Plywood and Face Veneers:** HPVA HP-1, made with adhesive containing no urea formaldehyde.
- F. **Thermoset Decorative Panels:** Comply with LMA SAT - 1.
- G. **High-Pressure Decorative Laminate:** NEMA LD 3.

2.2 CABINET HARDWARE AND ACCESSORY MATERIALS

- A. **Frameless Concealed Hinges (European Type):** BHMA A156.9, B01602, 135 degrees of opening, self-closing.
- B. **Wire Pulls:** Back mounted, solid metal, 4 inches (100 mm) long, 5/16 inch (8 mm) in diameter.

- C. Catches: Magnetic catches, BHMA A156.9, B03141.
- D. Adjustable Shelf Standards and Supports: BHMA A156.9, B04071; with shelf rests, B04081.
- E. Drawer Slides: BHMA A156.9, B05091.
 - 1. Box Drawer Slides: Grade 1HD-100.
 - 2. File Drawer Slides: Grade 1HD-100.
 - 3. Pencil Drawer Slides: Grade 1.
 - 4. Keyboard Slides: Grade 1HD-100.
- F. Drawer Locks: BHMA A156.11, E07041.
- G. Grommets for Cable Passage through Countertops: 1-1/4-inch (32-mm) OD, molded-plastic grommets and matching plastic caps with slot for wire passage.
- H. Exposed Hardware Finishes: Comply with BHMA A156.18 for BHMA code number indicated.
 - 1. Finish: Satin Chrome: BHMA 626 or BHMA 652.
- I. Furring, Blocking, Shims, and Hanging Strips: Fire-retardant-treated lumber, kiln dried to 15 percent moisture content.

2.3 INTERIOR WOODWORK

- A. Complete fabrication to maximum extent possible before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
- B. Backout or groove backs of flat trim members and kerf backs of other wide, flat members, except for members with ends exposed in finished work.
- C. Interior Standing and Running Trim for Opaque Finish: Premium grade, made from any closed-grain hardwood.
- D. Plastic-Laminate Cabinets: Premium grade.
 - 1. AWI Type of Cabinet Construction: Full overlay frame.
 - 2. Laminate Cladding: Horizontal surfaces other than tops, HGS; postformed surfaces, HGP; vertical surfaces, HGS; Edges, HGS; semiexposed surfaces, thermoset decorative panels.
 - 3. Drawer Sides and Backs: Thermoset decorative panels.
 - 4. Drawer Bottoms: Thermoset decorative panels.
- E. Plastic-Laminate Countertops: Premium grade.
 - 1. Laminate Grade: HGS for flat countertops, HGP for post-formed countertops.
 - 2. Edge Treatment: Same as laminate cladding on horizontal surfaces.

2.4 SHOP FINISHING OF INTERIOR ARCHITECTURAL WOODWORK

- A. Finishes: Same grades as items to be finished.
- B. Finish architectural woodwork at the fabrication shop; defer only final touch up until after installation.
 - 1. Apply one coat of sealer or primer to concealed surfaces of woodwork. Apply two coats to back of paneling and to end-grain surfaces.
 - 2. Apply a vinyl wash coat to woodwork made from closed-grain wood before staining and finishing.

PART 3 - EXECUTION**3.1 INSTALLATION**

- A. Before installation, condition woodwork to average prevailing humidity conditions in installation areas.
- B. Install woodwork to comply with referenced quality standard for grade specified.
- C. Install woodwork level, plumb, true, and straight. Shim as required with concealed shims. Install level and plumb (including tops) to a tolerance of 1/8 inch in 96 inches (3 mm in 2400 mm).
- D. Scribe and cut woodwork to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
- E. Anchor woodwork to anchors or blocking built in or directly attached to substrates. Fasten with countersunk concealed fasteners and blind nailing. Use fine finishing nails for exposed nailing, countersunk and filled flush with woodwork.
- F. Standing and Running Trim: Install with minimum number of joints possible, using full-length pieces (from maximum length of lumber available) to greatest extent possible. Do not use pieces less than 36 inches (900 mm) long, except where shorter single-length pieces are necessary. Scarf running joints and stagger in adjacent and related members.
- G. Cabinets: Install so doors and drawers are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation.
 - 1. Fasten wall cabinets through back, near top and bottom, at ends and not more than 16 inches (400 mm) o.c. with No. 10 wafer-head screws sized for 1-inch (25-mm) penetration into wood framing, blocking, or hanging strips.
- H. Anchor countertops securely to base units. Seal space between backsplash and wall.

END OF SECTION 06402