

## SECTION 06 4113 - WOOD-VENEER-FACED ARCHITECTURAL CABINETS

### PART 1 - GENERAL

#### 1.1 SECTION REQUIREMENTS

- A. Submittals: Shop Drawings, Samples showing the full range of colors available for each type of finish and AWI Quality Certification Program certificates.
- B. Fabricator Qualifications: Certified participant in AWI's Quality Certification Program.
- C. Installer Qualifications: Fabricator of products.
- 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 ARCHITECTURAL CABINETS

- A. Quality Standard: AWI, AWMAC, and WI's "Architectural Woodwork Standards."
- B. Certified Wood: Not Required.
- C. Wood Cabinets for Transparent Finish: Premium grade.
  - 1. Type of Construction: Face frame.
  - 2. Cabinet Door and Drawer Style: Flush overlay.
  - 3. Wood Species for Exposed Surfaces: Maple
  - 4. Cut: Quarter cut/quarter sawn.
  - 5. Grain Direction: Vertically for drawer fronts, doors, and fixed panels unless otherwise indicated.
  - 6. Matching of Veneer Leaves: Book match.
  - 7. Veneer Matching within Panel Face: Balance match.
  - 8. Semiexposed Surfaces Other Than Drawer Bodies: Compatible species to that indicated for exposed surfaces, stained to match.
  - 9. Drawer Subfronts, Sides, and Backs: Solid-hardwood lumber, same species indicated for exposed surfaces.
  - 10. Drawer Bottoms: Hardwood plywood

#### 2.2 MATERIALS

- A. Wood Moisture Content: 8 to 13 percent.
- B. Medium-Density Fiberboard: ANSI A208.2, Grade 130, made with binder containing no urea formaldehyde.
- C. Veneer-Faced Panel Products (Hardwood Plywood): HPVA HP-1, made with adhesive containing no urea formaldehyde.

## 2.3 CABINET HARDWARE AND ACCESSORY MATERIALS

- A. Butt Hinges: 2-3/4-inch, five-knuckle steel hinges made from 0.095-inch- thick metal, and as follows:
  - 1. Semiconcealed Hinges for Flush Doors: BHMA A156.9, B01361.
  - 2. Semiconcealed Hinges for Overlay Doors: BHMA A156.9, B01521.
- B. Frameless Concealed Hinges (European Type): BHMA A156.9, B01602, 135 degrees of opening[, self-closing.
- C. Wire Pulls: Back mounted, solid metal 5 inches long, 2-1/2 inches deep, and 5/16 inch in diameter.
- D. Catches: Roller catches, BHMA A156.9, B03071 or Ball friction catches, BHMA A156.9, B03013.
- E. Adjustable Shelf Standards and Supports: BHMA A156.9, B04071; with shelf rests, B04081.
- F. Shelf Rests: BHMA A156.9, B04013; metal, two-pin type with shelf hold-down clip].
- G. Drawer Slides: BHMA A156.9, B05091.
  - 1. Box Drawer Slides: Grade 1
  - 2. File Drawer Slides: Grade 1HD-100
  - 3. Pencil Drawer Slides: Grade 2.
  - 4. Keyboard Slides: Grade 1
- H. Drawer Locks: BHMA A156.11, E07041.
- I. Exposed Hardware Finishes: Comply with BHMA A156.18 for BHMA code number indicated.
  - 1. Finish: Satin Stainless Steel: BHMA 630.
- J. Furring, Blocking, Shims, and Hanging Strips: Fire-retardant-treated Softwood or hardwood lumber, kiln dried to 15 percent moisture content.

## 2.4 FABRICATION

- 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.

## 2.5 SHOP FINISHING OF WOOD CABINETS

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

3. After staining, if any, apply paste wood filler to open-grain woods and wipe off excess. Tint filler to match stained wood.

C. Transparent Finish:

1. System - 4: Water-based latex acrylic.
2. System - 8: Water-based cross linking acrylic.
3. Sheen: Satin

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Before installation, condition cabinets to average prevailing humidity conditions in installation areas.
- B. Install cabinets to comply with referenced quality standard for grade specified.
- C. Install cabinets 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.
- D. Scribe and cut cabinets to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
- E. Anchor cabinets to anchors or blocking built into or directly attached to substrates. Fasten with countersunk concealed fasteners and blind nailing. Use fine finishing nails or finishing screws for exposed nailing, countersunk and filled flush.
- F. 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 o.c. with No. 10 wafer-head sheet metal screws through metal backing or metal framing behind wall finish.

END OF SECTION 06 4113