

SECTION 064023 - INTERIOR ARCHITECTURAL WOODWORK

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Summary: Work includes casework, folding partition storage pocket doors, shelving, service window counter, toilet room counters and bowls.
- B. Submittals: Samples showing the full range of colors, textures, and patterns available for each type of finish.
- C. Pre-construction Meeting: Schedule a meeting on-site, prior to the start of woodwork fabrication, with the General Contractor, Owner and Woodwork Sub-contractor, for the purpose of reviewing the scope of the work, cabinet types, sizes and styles to be fabricated.
- D. Quality Standard: Architectural Woodwork Institute’s “Architectural Woodwork Quality Standards.”
- E. 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.
- C. Particleboard: ANSI A208.1, Industrial grade, medium density, grade M-2.
- D. Softwood Plywood: PS 1.
- E. Hardwood Plywood and Face Veneers: HPVA HP-1.
- F. Thermoset Decorative Overlay: Comply with ALA 1992. Color “white”.
- G. High-Pressure Decorative Laminate: Color Indicated. NEMA LD 3.
 - 1. Manufacturers:
 - a. Nevamar Decorative Surfaces, Shelton, Connecticut, (203) 925-1556, basis-of-design.
- H. Solid Surfacing Material Countertops: Custom grade. Color indicated, homogeneous solid sheets of filled plastic resin, complying with material and performance requirements of ANSI Z124.3, Type 5 or Type 6, without a precoated finish.

1. Solid-Surfacing Material Thickness: 1/2 inch.
2. Fabricate tops in one piece with shop-applied backsplashes and edges.
3. Provide skirt as indicated at toilet room countertop.
4. Install integral sink bowls in countertops in shop.
5. Manufacturers:
 - a. Staron Surfaces: 1000 West Beardsley Place, Salt Lake City, UT 84119. Phone 801-485-7249.
 - b. Avonite Surfaces: 7350 Empire Drive, Florence, KY 41042. Phone: (800) 354-9858.
 - c. Dupont Corian Solid Surfaces: Phone (800) 436-6072.

2.2 SOLID SURFACE FINISH

- A. Provide matte finish, gloss rating 5-20. Installer shall provide uniform finish, field buffing installed product if necessary.

2.3 SOLID SURFACE INTEGRAL LAVATORY BOWLS

- A. Product: Provide product from selected manufactures indicated, matching Corian 810.

2.4 CABINET HARDWARE AND ACCESSORY MATERIALS

- A. Hardware Standard: Comply with BHMA A156.9 for items indicated by reference to BHMA numbers or referenced to this standard.
- B. Exposed Hardware Finishes: For exposed hardware, provide finish that complies with BHMA A156.18 for BHMA code number indicated.
 1. Finish: Satin Chrome: BHMA 626 or BHMA 652.
- C. Furring, Blocking, Shims, and Hanging Strips Softwood or hardwood lumber, kiln dried to 15 percent moisture content.

2.5 INTERIOR WOODWORK

- A. Complete fabrication before shipping to Project site to maximum extent possible. Disassemble only as needed for shipping and installing. Where necessary for fitting at Project site, provide for scribing and trimming.
- B. Backout or groove backs of flat trim members, kerf backs of other wide, flat members, except for members with ends exposed in finished Work.
- C. Wood Cabinets (Casework) for Transparent Finish: Custom grade.
 1. AWI Type of Cabinet Construction: Reveal overlay on face frame.
 2. Wood Species for Exposed Surfaces: Western Red Alder, plain sliced. Provide Number 2.
 3. Grain Matching: Run and match grain vertically for doors, and fixed panels; horizontally for drawer fronts.

4. Matching of Veneer Leaves: Running match.
5. Semiexposed Surfaces Other Than Drawer Bodies: Thermoset decorative overlay.
6. Both Sides of Exposed Shelving: Laminate-cladding, HGS; Edges, PVC T-molding.
7. Drawer Sides and Backs: Hardwood plywood, sealed.
8. Drawer Bottoms: Thermoset decorative overlay.

D. Laminate-Clad Adjustable Shelving (Plastic-Covered Casework): Custom grade.

1. Laminate Cladding: Both sides of exposed adjustable shelving, HGS; Edges, PVC T-molding.

2.6 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.
2. Apply a vinyl wash coat 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: AWI Finish System TR-4, conversion varnish.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Condition woodwork to prevailing conditions before installing.

B. Install woodwork to comply with AWI Section 1700 for grade specified.

C. Install woodwork level, plumb, true, and straight. Shim as required with concealed shims. Install to a tolerance of 1/8 inch in 96 inches for level and plumb.

D. Scribe and cut woodwork to fit adjoining work, seal cut surfaces, and repair damaged finish at cuts.

E. Install trim with minimum number of joints possible, using full-length pieces to the greatest extent possible. Stagger joints in adjacent and related members.

F. Anchor countertops securely to base units. Seal space between backsplash and wall.

G. Anchor paneling to supports with concealed panel-hanger clips and by blind nailing on back-up strips, splined-connection strips, and similar associated trim and framing.

3.2 CABINET HARDWARE AND ACCESSORY SCHEDULE

- A. Concealed (European-Type) Hinges: BHMA A156.9, B01602.
- B. Continuous Piano Hinges: BHMA A156.26 Grade 3, extruded aluminum, .1875 inch diameter 304 stainless steel pin Teflon coated, 2” knuckle with split nylon bearing at each separation, .375 inch exterior barrel diameter.
- C. Pulls: Wire pulls, 4 inches long, 5/16 inches in diameter.
- D. Adjustable Shelf Standards: Multiple holes with pins.
- E. Drawer Slides: Side-mounted, zinc-plated steel drawer slides with steel ball bearings, complying with BHMA A156.9, Grade 1 and rated for the following loads:
 - 1. Box Drawer Slides: 100 lbf.
 - 2. File Drawer Slides: 200 lbf.
 - 3. Keyboard Tray Slides: 45 lbf.
- F. Door Locks: Schlage CL series, basis-of-design.

END OF SECTION 064023