

SECTION 12 32 00
MANUFACTURED WOOD CASEWORK

PART 1 - GENERAL

1.1 DESCRIPTION

- A. This section specifies wood veneer casework and plastic laminate casework as detailed on the drawings, including related components and accessories required to form integral units. Wood casework items shown on the drawings, but not specified below shall be included as part of the work under this section, and applicable portions of the specification shall apply to these items. Each like item of casework shall be of the same design and by one manufacturer.

1.2 RELATED WORK

- A. Custom Casework: Section 06 20 00, FINISH CARPENTRY.
B. Color and Finish of Plastic Laminate: Section 09 06 00, SCHEDULE FOR FINISHES.
C. Lavatories and Plumbing in Casework: Section 22 40 00, PLUMBING FIXTURES.

1.3 MANUFACTURER'S QUALIFICATIONS

The fabrication of casework shall be by a manufacturer who produces casework similar to the casework specified and shown.

1.4 SUBMITTALS

- A. Submit in accordance with Section `01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
B. Manufacturer's Literature and Data:
1. Sinks, trim and fittings.
2. Locks for doors and drawers
3. Adhesive cements
C. Samples:
Counter top, plastic laminate, 150 mm (six inch) square
Wood Face Veneer or Hardwood Plywood
D. Shop Drawings (1/2 full size):
1. All casework, showing details of construction, including materials, hardware and accessories.
2. Cabinets and counters showing faucets in connection with sink bowls, and electrical fixtures and receptacles which are mounted on cabinets and counters.
3. Fastenings and method of installation.

1.5 APPLICABLE PUBLICATIONS

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by basic designation only.
- B. Composite Panel Association (CPA):
A208.1-09.....Particleboard
- C. U.S. Department of Commerce Product Standards (Prod. Std):
PS1-95.....Construction And Industrial Plywood
- D. Hardwood, Plywood and Veneer Association (HPVA):
HP.1-04.....Hardwood and Decorative Plywood
- E. Architectural Woodwork Institute (AWI):
Architectural Woodwork Quality Standards, Guide Specifications Quality Certification Program - 2008
- F. American Society of Mechanical Engineers (ASME):
A112.18.1-05.....Plumbing Fixture Fittings
- G. National Electrical Manufacturers Association (NEMA):
LD3-05.....High Pressure Decorative Laminates
LD3.1-95.....Performance, Application Fabrication and Installations of High-Pressure Decorative Laminates
- H. Hardwood Plywood and Veneer Association
HP-1.....Hardwood and Decorative Plywood
- I. Builders Hardware Manufacturers Association (BHMA)
BHMA 156.....Complete set of BHMA Standards

PART 2 - PRODUCTS

2.1 PLYWOOD, HARDWOOD FACE VENEER

HPVA HP-1, Premium Grade plain sliced Red Oak Rotary cut Select White Birch.

2.2 PLASTIC LAMINATE

- A. NEMA LD-3.
- B. Exposed decorative surfaces including countertops, both sides of cabinet doors, and for items having plastic laminate finish.
- C. Cabinet Interiors Including Shelving: Both of following options to comply with NEMA, LD3.1 as a minimum.
 - 1. Plastic laminate clad plywood or particle board.

2.3 PLYWOOD, SOFTWOOD

Prod. Std. PS1, five ply construction from 13 mm to 28 mm (1/2 inch to 1-1/8 inch) thickness, and seven ply for 31 mm (1 1/4 inch) thickness.

2.4 PARTICLEBOARD

CPA A208.1, Type 1, Grade 1-M-3.

2.5 SOLID WOOD

Wood required for edge banding, moldings and legs shall be of same species as wood face veneer.

2.6 HARDWARE

- A. Provide hardware and accessory materials associated with interior architectural woodwork.
- B. Comply with BHMA 156.9
- C. Finishes: Comply with BHMA 156.18
- D. Shelf Standards (Except For Fixed Shelves):
Bright zinc-plated steel for recessed mounting with screws, 16 mm (5/8 inch) wide by 5 mm (3/16 inch) high providing 13 mm (1/2 inch) adjustment, complete with shelf supports.

2.7 FABRICATION

- A. Casework shall be of the flush overlay design and, except as otherwise specified, be of premium grade construction and of component thickness in conformance with AWI Quality Standards.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install woodwork to comply with AWI Section 1700.
- B. Field measure installation locations prior to fabrication.
- C. Set casework in place; level, plumb and accurately scribe and secure to walls, and/or floors.
- D. The installation shall be complete including all trim and hardware.
Leave the casework clean and free from defects.
- E. Install without distortion so doors and drawers fit openings and operate unencumbered.

3.2 FASTENINGS

- A. Fastenings for securing casework to adjoining construction shall be as detailed on the drawings or approved shop drawings.
- B. See Section 05 50 00, METAL FABRICATIONS for reinforcement of walls and partitions for casework anchorage.

3.3 TOLERANCES

- A. Install woodwork plumb, level, true, and straight with no distortions.
- B. Install to a tolerance of 3 mm in 2400 mm (1/8 inch in 96 inches) for plumb and level including countertops.
- C. Install cabinets and countertops no more than 3 mm in 2400 mm (1/8 inch in 96 inches) sag, bow, or other variation from a straight line.

3.4 REPAIR, ADJUSTING, AND CLEANING

- A. It is at the RE/COTR's discretion to reject any visually damaged or defective woodwork, or insufficient repairs, and in the event of woodwork unaccepted due to quality, will be replaced.
- B. Repair damaged and defective woodwork where possible. Where not possible to repair, replace woodwork.
- C. Clean, lubricate, and adjust all hardware to operate as intended.
- D. Clean all woodwork on all exposed and all interior surfaces.

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