

SECTION 12 32 00**MANUFACTURED WOOD CASEWORK****PART 1 - GENERAL****1.1 DESCRIPTION**

- A. This section specifies plastic laminate casework as detailed on the drawings, including related components and accessories required to form integral units. 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.
- B. Where shown, provide plastic laminate casework items as follows:
 - 1. Base cabinets and wall cabinets.
 - 2. Base and wall Fillers.

1.2 RELATED WORK

- A. Countertop construction materials and items installed in countertops: :
Section 12 36 00 COUNTERTOPS. .
- B. Color and Finish of Plastic Laminate: Section 09 06 00, SCHEDULE FOR FINISHES.
- C. Sinks and Plumbing in Casework: Section 22 40 00, PLUMBING FIXTURES.

1.3 MANUFACTURER'S QUALIFICATIONS

- 1. 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. All required hardware and fittings.
 - 2. Locks for doors and drawers
 - 3. Adhesive cements
- C. Samples:
 - 1. Cabinet plastic laminate, 150 mm (six inch) square.
 - a. Submit sample for each color and location specified for color

selection.

2. Sample of approved plastic laminate applied to Substrate for approval of workmanship.

- a. Shelf, door and drawer front, 12 inches long.

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.

E. Mock-Up: submit a mockup of a typical unit for approval by VA.

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. American Society for Testing and Materials (ASTM):

1. A167-99 (R2004) Stainless and Heat-Resisting chromium- Nickel Steel Plate, Sheet and Strip
2. A1008-07 Steel, Sheet, Cold-Rolled, Carbon, Structural, High Strength Low Alloy

C. Composite Panel Association (CPA):

1. A208.1-99 Particleboard.

D. U.S. Department of Commerce Product Standards (Prod. Std):

1. PS1-95 Construction And Industrial Plywood.

E. Hardwood, Plywood and Veneer Association (HPVA):

1. HP.1-04 Hardwood and Decorative Plywood

F. Architectural Woodwork Institute (AWI):

1. Architectural Woodwork Quality Standards, Guide Specifications Quality Certification Program - 1999.

G. American Society of Mechanical Engineers (ASME):

1. A112.18.1-05 Plumbing Fixture Fittings.

H. National Electrical Manufacturers Association (NEMA):

1. LD3-05 High Pressure Decorative Laminates.
2. Performance, Application Fabrication and Installations of High-Pressure Decorative Laminates.

I. Hardwood Plywood and Veneer Association

1. HP-1 Hardwood and Decorative Plywood

PART 2 - PRODUCTS**2.1 PLASTIC LAMINATE**

- A. NEMA LD-3.
- B. Exposed decorative surfaces both sides of cabinet doors, and for items having plastic laminate finish. General purpose Type HGL.
- C. Cabinet Interiors Including Shelving: Comply with NEMA, LD3.1 as a minimum.
 1. Plastic laminate clad plywood or particle board.

2.2 PARTICLEBOARD

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

2.3 HARDWARE

- A. Hinged Doors:
 1. Doors 900 mm (36 inches) and more in height shall have three hinges and doors less than 900 mm (36 inches) in height shall have two hinges. Each door shall close against two rubber bumpers.
 2. Concealed Door Hinges: 110 degree opening with integral horizontal and vertical adjustment; self-closing; for full overlay doors.
 3. Finish: Manufacturer's standard bright nickel.
 4. Fasteners: Provide full thread wood screws to fasten hinge leaves to door and cabinet frame. Finish screws to match finish of hinges.
- B. Door Catches:
 1. Friction or Magnetic type, fabricated with metal housing for doors over 1200mm (48 inches) high. Provide 2 catches each door.
- C. Drawer and Door Pulls:
 1. Doors and drawers shall have pulls fabricated from stainless steel.
- D. Drawer Slides:
 1. Full extension steel slides with nylon ball-bearing rollers.
 2. Slides shall have positive stop.
 3. Equip drawers with rubber bumpers.
 4. Load Capacity: 150 pounds (68kg) per pair.
- E. Mortised Shelf Standards (Except For Fixed Shelves):

1. 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 snap-in shelf supports, four per shelf.

2.4 FABRICATION

- A. Casework shall be of the full, flush overlay design and, except as otherwise specified, be of premium grade construction and of component thickness in conformance with AWI Quality Standards.
- B. Fabricate casework of plastic laminated covered plywood or particleboard as follows:
 1. Where shown, doors drawers shelves all semi-concealed surfaces shall be plastic laminated.
 2. Horizontal and vertical reveals between doors and drawer for reveal overlay design shall be 19 mm (3/4 inch) unless otherwise shown.
- C. Electrical Fixtures, Receptacles, Wiring and Junction Boxes required for Fixtures and Receptacles:
 1. For electrical lighting fixtures, see drawings.
 2. For electric receptacles and lighting fixtures installed below or adjacent to wall cabinets or above counter tops, see electrical sections or specifications.
 3. For final hookup at junction box see electrical sections of specifications.
- D. Base:
 1. Provide rubber or vinyl base with close, flush joints; set with adhesive.
 2. Remove adhesive from exposed surfaces.
 3. Install base at floor line after casework has been accurately leveled.
 4. Rub base to glossy finish.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Set casework in place; level, plumb. Accurately scribe and secure to walls, and/or floors.
- B. The installation shall be complete including all trim and hardware. Leave the casework clean and free from defects.

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.

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