

**SECTION 12 32 00  
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. 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. Section 12 36 00: COUNTERTOPS.
- B. Color and Finish of Plastic Laminate: Section 09 06 00, SCHEDULE FOR FINISHES.
- C. DIVISION 22, PLUMBING.

**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. Samples:  
Plastic laminate, 150 mm (six inch) square
- C. 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-1-09 ..... Hardwood and Decorative Plywood

- E. Architectural Woodwork Institute (AWI):  
Architectural Woodwork Quality Standards, Guide Specifications Quality Certification Program - 1999
- F. National Electrical Manufacturers Association (NEMA):  
LD3-05.....High Pressure Decorative Laminates  
LD3.1-95.....Performance, Application Fabrication and Installations of High-Pressure Decorative Laminates

## **PART 2 - PRODUCTS**

### **2.1 PLASTIC LAMINATE:**

- A. NEMA LD-3.
- B. Exposed decorative surfaces including countertops, both sides of cabinet doors, and for items having plastic laminate finish. General purpose Type HGL.
- 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. Resin impregnated decorative paper thermally fused to particle board.
- D. Backing sheet on bottom of plastic laminate covered wood tops. Backer Type BKL.
- E. Post Forming Fabrication, Decorative Surface: Post forming Type HGP.

### **2.2 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.

### **2.3 PARTICLEBOARD**

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

### **2.4 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.
- 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.

## **PART 3 - EXECUTION**

### **3.1 INSTALLATION**

- A. Set casework in place; level, plumb and 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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