

## SECTION 12A

### CABINETS

1. **APPLICABLE PUBLICATIONS:** The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

Federal Specification (Fed. Spec.):

MMM-A-130B                      Adhesive, Contact  
& Int. Am-3

American National Standards Institute, Inc. (ANSI) Publications:

A156.9-1975                      Cabinet Hardware

A161.1-1980                      Recommended Construction & Performance  
Standards for Kitchen and Vanity  
Cabinets

National Electrical Manufacturers Association (NEMA) Standard:

LD 3-1980                        High-Pressure Decorative Laminates  
Incl Rev 1

2. **GENERAL REQUIREMENTS:** Cabinets and vanity counters shall be wood of the manufacturer's standard sizes and of the type, design, and configuration indicated. Cabinets and vanity counters shall be constructed as specified hereinafter or shall meet the requirements of ANSI A161.1, except that exposed wood cabinet ends and doors shall be either hardwood or hardwood plywood covered with high pressure plastic laminates. Evidence of conformance to ANSI A161.1 shall be provided and such evidence shall be the National Kitchen Cabinet Association certification seal or certified copies of test reports. Tests shall be conducted by independent laboratories. Base cabinet assemblies shall consist of individual units joined into continuous sections as indicated. Fastenings shall be accomplished to permit removal and replacement of individual units without affecting the remainder of the installation. Counters shall be provided with watertight sink rim. Shelves shall be fixed or adjustable as indicated.

3. **SUBMITTALS:** Shop drawings, catalog cuts, and descriptive material shall be submitted for approval in accordance with the requirements of shop drawings in the SPECIAL PROVISIONS. Drawings shall show each type of cabinet and related items and shall clearly indicate the complete layout of the cabinets and accessories, and pertinent details of construction, fabrication, and attachments.

4. **MATERIALS** shall conform to the following requirements:

Plastic Laminate Adhesive: Fed. Spec. MMM-A-130, Type I.

Plastic Laminate: NEMA LD 3.

5. WOOD CABINETS: Design shall be as indicated. Door design shall be as indicated. The cabinets may be constructed with frame fronts and solid ends, or frame construction throughout. Frame members shall be 3/4 by 1-1/2 inch kiln-dried hardwood, mortised and tenoned, dovetailed or doweled, and glued together. Top and bottom corners shall be braced with hardwood blocks that are glued with water-resistant glue and nailed in place. Back and bottom of base cabinets shall be 3/16-inch hardwood plywood, sound grade, or 1/8-inch tempered hardboard. Bottoms shall be braced with wood members glued in place. Cabinet ends shall be hardwood plywood, sound grade. Plywood shall be 1/2-inch, 5-ply material for base cabinets. Doors shall be 5/8-inch, 5-ply hardwood plywood, sound grade. Shelves shall be 1/2-inch plywood, Grade A-B veneer. Shelves shall be supported on ends and on 24-inch centers. Plywood shelf edges which are exposed when cabinet doors are open shall be rounded, sanded, and filled prior to finishing.

6. DECORATIVE PLASTIC SHEET FINISH: Design, color, and finish shall be as indicated on the finish schedule.

7. HARDWARE shall conform to ANSI A156.9 for residential applications. Exposed hardware shall be corrosion resisting steel or chromium-plated brass. Semiconcealed hinge materials shall be of Types 1 through 5. Drawers shall be mounted on 20-gage metal guides. Hardware and fastenings for doors and drawers with particleboard cores shall be of the through-bolt type.

8. COUNTERTOPS AND BACKSPLASH:

8.1 General: Countertop and backsplash shall be constructed of 3/4-inch plywood or particleboard core and shall be cove type comprised of a single-unit with self-edging and plastic laminate coved at the juncture of the countertop and backsplash. Backsplash shall be not less than 3-1/2 inches high. Edging and trim shall consist of plastic laminate cut and fitted to all exposed edges.

8.2 Plastic Laminates: Continuous sheets of longest lengths practicable shall be provided. Joints in surface sheeting shall be tight and flush and held to a practicable minimum. When the countertop and backsplash are two separate units, GP50 plastic laminate shall be used. When the countertop and backsplash are one unit, PF42 plastic laminate shall be used. For fully formed and cove type countertops, the post-forming plastic laminate shall not be bent to a radius smaller than the limit recommended by the plastic manufacturer. Design, color, and finish shall be as specified in the finish schedule.

8.3 Sink Rims: Sink rims shall be of the corrosion resistant steel clamping type, sized to the sink, be a standard product of a manufacturer regularly producing this type of equipment, and shall conform to the requirements of SECTION: PLUMBING, GENERAL PURPOSE.

9. CABINET INSTALLATION: Cabinets shall be installed level, plumb, and true to line, and shall be attached to the walls or floors with suitable devices to securely anchor each unit. Countertops, accessories, and hardware shall be installed as indicated. Closer and filler strips and finish moldings shall be provided as required. Prior to final acceptance, doors shall be aligned, hardware adjusted, and cabinets left in a clean and neat condition.