

**1.01 RELATED WORK**

Refer to drawings to determine relationship of wood blocking with work.

**1.02 HANDLING AND PROTECTION**

Store wood materials on the site, stacked and protected from wetting.

**2.01 MATERIALS**

Framing and for blocking shall be No. 2 Southern Pine, D4S, kiln dried.

**2.02 WOOD PRESERVATIVE TREATMENT**

A. Provide full pressure treatment as per American Wood Preservers Association Specification LP-2, LP-3, or LP-4, dated July 1975, as herein indicated. Treatment of wood to be painted or to make contact with painted parts, and wood to which finishing materials will be fastened, shall be in accordance with AWWA LP-2 or LP-4. Wood treated with water-borne preservatives shall be air-dried or kiln-dried to the moisture content specified for lumber and marked with the word "dry." Treated wood which is cut shall be brush-coated with the preservative used in the original treatment.

B. To the extent indicated below, wood members and plywood shall be preservative treated by pressure methods and so marked in accordance with the AWPB standards. Unless otherwise specified herein, it will include all wood members exposed to weather or in contact with soil, water, masonry, or concrete, and all wood framing members directly above soil when the bottom elevation is 24" or less above soil. It will always include:

1. All wood members set into or against concrete, regardless of location,

**2.02 MOISTURE CONTENT**

Moisture content for treated wood shall be not more than 19 percent

**3.01 INSTALLATION**

A. Set blocking, nailers and supports straight, plumb, or level in true alignment. Bolt blocking to steel members; set blocking on concrete block with masonry nails or toggle bolts.

B. Joints between pieces of wood forming blocking, nailers and supports shall be straight or miter cut to fit without gaps or openings.

**3.02 FRAMING**

A. Set pressure treated sill plates level and square on concrete floors. Set sill plates in full beds of acoustical sealant specified in Section 07900.

B. Space vertical supporting 16" o.c. and with not less than 3 members at each corner. Install bracing and blocking to provide stable structure. Set members closely fitted, accurately placed to required lines and levels. Nails shall be sizes and spacing to develop required strength without splitting.

- C. Upper surface to receive sub-flooring shall be plumb, in line and true.
- D. Install sub-flooring with long dimension perpendicular to supports. Nail at each bearing 6" o.c. at ends of sheets and 12" o.c. at intermediate supports. Leave 1/8" space at ends and 1/4" space at edges of boards.

**END OF SECTION**

**SECTION 06400****ARCHITECTURAL WOODWORK****PART 1 GENERAL****1.01 SUBMITTALS**

- A. Submit samples of melamine plastic finished particle board and laminated plastic to the Architect for approval before fabricating cabinetwork. Use only those materials matching approved samples in the work.
- B. Submit shop drawings on all cabinetwork for Architect's approval before fabricating.

**1.02 MANUFACTURER**

- A. Cabinetwork shall be shop fabricated by a commercial cabinet manufacturer who shall have been in business as a manufacturer of cabinetwork for at least five years.

**1.03 QUALITY GRADE**

- A. Quality of cabinetwork required shall conform to "Custom" grade as established by the quality standards issued by the Architectural Woodwork Institute, Eighth Edition, Version 2.0.

**PART 2 PRODUCTS****2.01 MATERIALS**

- A. Plywood to which plastic laminate is to be applied shall have "B" grade faces minimum.
- B. Plywood for countertops shall be APA-INT B-B plywood, 3/4" minimum thickness, except that countertops into which sinks will be installed shall be APA-EXTERIOR B-B plywood.
- C. Laminated plastic shall conform to NEMA LD 3. Plastic for counter tops shall be General Purpose Grade, .050" thick, and .030" thick for vertical surfaces. See finish schedule for color selections and patterns.
- D. Thermoset melamine laminate shall be thermally fused to particle board substrate.
- E. Hardware manufacturers and model numbers are shown below to indicate functions and quality only. Hardware shall conform to BHMA A156.9, types as scheduled for quality grade specified.
  - 1. Adjustable shelf supports (metal pins): Standard side mounted system using Multiple holes for pin supports and coordinated self rests, satin chrome finish, for nominal 1" spacing adjustments.
  - 2. Drawer slides:
    - a. Type: full extension.
    - b. Static load: extra heavy duty grade.
    - c. Mounting: side mounted.
    - d. Stops: integral type.
    - e. Features: provide self closing, stay closed type.
  - 3. Drawer and door pulls:
    - a. Stanley 4484.
    - b. Epco MC4024.
    - c. Grant 753.
  - 4. Catches: magnetic.
  - 5. Cabinet locks: keyed cylinder, two keys per lock, master keyed, steel with satin finish.
  - 6. Concealed door hinges, European style concealed self closing type, steel with satin finish.
- F. Glue for joints in wood shall be urea-formaldehyde resins or casein, meeting water-resistance requirements. Glue for plastic laminate shall be contact cement recommended by the plastic laminate manufacturer.

**PART 3 EXECUTION****3.01 CONSTRUCTION**

- A. Wood cabinets shall be constructed to conform to the AWI Standard specified. Joints shall be glued, and nailed or clamped to maintain joint pressure while glue cures. Connectors shall not be visible on exterior of cabinets. Doors and drawer fronts shall be installed true, aligned, and with uniform margins. Doors and drawers shall operate without binding.
- B. Laminated plastic shall be installed with joints fitted with exposed edges at outside corners beveled back approximately 20 deg. flush with face of adjacent material. Finish edges smooth without marring surfaces.
- C. Melamine laminate shall be used on all cabinet carcass parts and all interior drawer parts.
- D. Edges of fixed shelves shall be routed into plywood supports and glued and screwed. Front edges of shelves shall be rabbeted into 1" x 2" solid wood nosings, all fastenings shall be glued and nailed.
- E. Interiors of cabinets constructed with plywood panels shall be shop painted as part of the work of this section, using materials as specified for wood surfaces specified in Section 09900. Colors shall match the plastic laminate facing, as approved by the Architect.

**3.02 INSTALLATION**

- A. Do not deliver, store, or install cabinetwork until concrete work, masonry, and quarry tile work is completed and dried.
- B. Set cabinets, counters and units in place square with walls and shimmed where floors are not level to provide firm support. Secure wall, base and counter units at metal stud wall framing by attaching wood cleats with cadmium plated self-tapping sheet metal screws, two at each bearing, and by securing cabinets to the cleats with #10 x 1" FHWS spaced 12" o.c. Secure wall, base and counter units at concrete masonry unit walls with expansion shields and bolts into solid portions or toggle bolts into voids of the masonry units. Alternate attachments may be acceptable if approved on shop drawings. Secure units to concrete floors with not less than four powder-activated fasteners per unit.
- C. Finished installation shall be secure and steady.
- D. At junction of all countertops with walls or other cabinet work, provide backsplashes with joints between backsplashes and adjacent construction sealed with clear silicone sealant.

**END OF SECTION**