

DIVISION 6 WOOD AND PLASTIC**SECTION 06114 WOOD BLOCKING AND CURBING****PART 1 GENERAL****1.1 SECTION INCLUDES**

- A. Wood furring and grounds.
- B. Concealed wood blocking for support of toilet and wall cabinets.
- C. Telephone and electrical panel back boards.
- D. Preservative treatment of wood.

1.2 RELATED SECTIONS

- A. Section 04320 – Brick Veneer Over Metal Stud Framing: Masonry openings to receive wood blocking.
- B. Section 05400 Cold Formed Metal Framing. Substrate for sheathing.

1.3 REFERENCES

- A. ALSC (American Lumber Standards Committee) - Softwood Lumber Standards.
- B. APA (American Plywood Association).
- C. AWWA (American Wood Preservers Association) C20 - Structural Lumber Fire Retardant Treatment by Pressure Process.
- D. AWWA (American Wood Preservers Association) C1 - All Timber Products Preservative Treatment by Pressure Process.
- A. NFPA (National Forest Products Association).
- B. SPIB (Southern Pine Inspection Bureau).
- C. UL (Underwriters Laboratories).

1.4 QUALITY ASSURANCE

- A. Perform Work in accordance with the following agencies:
 - 1. Lumber Grading Agency: Certified by ALSC.
 - 2. Plywood Grading Agency: Certified by APA.

1.8 REGULATORY REQUIREMENTS

- A. Conform to applicable code for fire retardant requirements.

- B. Conform to UL 723 requirements to achieve rating indicated.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Lumber Grading Rules: NFPA. Or SPIB.
- B. Miscellaneous Framing: Number 2 or better Southern Pine species, 19 percent maximum moisture content, pressure preservative treat.
- C. Plywood: APA Rated Sheathing, Grade C-D; Exposure Durability 2; unsanded; Fire treated as required to comply with UL label FR-S rating.

2.2 ACCESSORIES

- A. Fasteners and Anchors:
 - 1. Fasteners: Hot dipped galvanized steel for high humidity and treated wood locations, unfinished steel elsewhere.
 - 2. Anchors: Toggle bolt type for anchorage to hollow masonry. Expansion shield and lag bolt type for anchorage to solid masonry or concrete. Bolt or ballistic fastener for anchorage's to steel.

2.3 FACTORY WOOD TREATMENT

- A. Wood Preservative (Pressure Treatment): AWWA Treatment C1 using water borne preservative with 0.25 percent retainage.

PART 3 EXECUTION

3.1 FRAMING

- A. Set members level and plumb, in correct position.
- B. Place horizontal members, crown side up.
- C. Construct curb members of single pieces.
- D. Space framing and furring 24 inches oc.
- E. Curb roof openings except where prefabricated curbs are provided. Form corners by alternating lapping side members.
- F. Coordinate curb installation with installation of decking and support of deck openings, and roofing vapor retardant.

3.2 SHEATHING

- A. Secure sheathing to framing members with ends over firm bearing and staggered.
- B. Install telephone and electrical panel back boards with plywood sheathing material where required. Size the backboard by 12 inches beyond size of electrical panel.

3.3 SITE APPLIED WOOD TREATMENT

- A. Apply preservative treatment in accordance with manufacturer's instructions.
- B. Brush apply two coats of preservative treatment on wood in contact with cementitious materials roofing and related metal flashings. Treat site-sawn cuts.
- C. Allow preservative to dry prior to erecting members.

END OF SECTION



SECTION 06410 CUSTOM CASEWORK**PART 1 GENERAL****1.1 SECTION INCLUDES**

- A. Special fabricated cabinet units.
- B. Countertops.
- C. Cabinet hardware.
- D. Prefinished surfaces. Preparation for site finishing.
- E. Preparation for installing utilities.

1.2 RELATED SECTIONS

- A. Section 06114 - Wood Blocking and Curbing: Grounds and support framing.
- B. Section 09900 - Painting: Site finishing of cabinet exterior.
- C. Section 15440 - Fixtures: Plumbing fixtures.

1.3 REFERENCES

- A. ANSI A135.4 - Basic Hardboard.
- B. ANSI A208.1 - Mat Formed Wood Particleboard.
- C. AWI (Architectural Woodwork Institute) - Quality Standards.
- D. HPMA (Hardwood Plywood Manufacturer's Association) HP - American Standard for Hardwood and Decorative Plywood.
- E. NEMA (National Electric Manufacturers Association) LD3 - High Pressure Decorative Laminates.
- F. NHLA (National Hardwood Lumber Association).
- G. PS 1 - Construction and Industrial Plywood.

1.4 SUBMITTALS FOR REVIEW

- A. Section 01300 - Submittals: Procedures for submittals.
- B. Shop Drawings: Indicate materials, component profiles and elevations, assembly methods, joint details, fastening methods, accessory listings, hardware location and schedule of finishes.
- C. Product Data: Provide data for hardware accessories.

1.5 QUALITY ASSURANCE

- A. Perform work in accordance with AWI Custom quality.

1.6 DELIVERY, STORAGE, AND PROTECTION

- A. Section 01600 - Material and Equipment: Transport, handle, store, and protect products.
- B. Protect units from moisture damage.

1.7 ENVIRONMENTAL REQUIREMENTS

- A. Section 01600 - Material and Equipment: Environmental conditions affecting products on site.
- B. During and after installation of work of this section, maintain the same temperature and humidity conditions in building spaces as will occur after occupancy.

PART 2 PRODUCTS

2.1 WOOD MATERIALS

- A. Hardwood Lumber: NHLA; graded in accordance with AWI Custom; average moisture content of 11 percent; species and grade as recommended by manufacture.

2.2 PANEL MATERIALS

- A. Hardwood Plywood: PS 51; graded in accordance with AWI, core materials of veneer, type of glue recommended for application; face veneer and cuts as recommended by manufacture or as called for on drawing.
- B. Wood Particleboard: PS1; AWI standard, composed of wood chips, medium density, made with high waterproof resin binders; of grade to suit application; sanded faces.
- C. Hardboard: ANSI A135.4; Pressed wood fiber with resin binder, standard grade, 1/4 inch thick, smooth one side.

2.3 MANUFACTURERS - PLASTIC LAMINATE

- A. Manufacturers:
 - 1. Formica Corporation
 - 2. Nevamar
 - 3. Wilsonart
 - 4. Substitutions: Refer to Section 01600.

2.4 LAMINATE MATERIALS

- A. Plastic Laminate: AWI, 0.040 inch Post Forming 0.050 inch General Purpose quality; color, pattern, and surface texture as selected.
- B. Laminate Backing Sheet: 0.020 inch Backing Sheet grade, undecorated plastic laminate.

2.5 ACCESSORIES

- A. Adhesive: Type recommended by AWI to suit application.

- B. Plastic Edge Trim: Extruded flat shaped; smooth finish; self locking serrated tongue; of width to match component thickness; color as selected.
- C. Fasteners: Size and type to suit application.
- D. Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application.
- E. Concealed Joint Fasteners: Threaded steel.
- F. Grommets: Plastic material for cut-outs.

2.6 HARDWARE

- A. Shelf Standards and Rests: Formed steel channels and rests, cut for fitted rests spaced at 1 inch centers; satin finish.
- B. Shelf Brackets: Formed steel brackets, formed for attachment with lugs; satin finish.
- C. Drawer and Door Pulls: "U" shaped pull, steel with satin finish, 4 inch centers.
- D. Sliding Door Pulls: Circular shape, steel with satin finish.
- E. Cabinet Locks: Keyed cylinder, two keys per lock, master keyed, steel with satin finish.
- F. Catches: Magnetic. Touch type.
- G. Drawer Slides: Galvanized steel construction, ball bearings separating tracks, full extension type.
- H. Hinges: Knuckle disappearing type, steel with satin finish.
- I. Sliding Door Track Assemblies: Galvanized steel construction, ball bearing carriers fitted within tracks, multiple pendant suspension attachments for door.

2.7 FINISHING MATERIALS

- A. Finishing: Site finished as specified in Section 09900.

2.8 FABRICATION

- A. Shop assemble casework for delivery to site in units easily handled and to permit passage through building openings.
- B. Fit shelves, doors, and exposed edges with 3/8 inch matching hardwood, matching veneer, plastic or aluminum edging. Use one piece for full length only.
- C. Cap exposed plastic laminate finish edges with material of same finish and pattern.
- D. Door and Drawer Fronts: 3/4 inch thick; reveal overlay.
- E. When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.

- F. Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises. Locate counter butt joints minimum 2 feet from sink cut-outs.
- G. Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.
- H. Mechanically fasten back splash to countertops with steel brackets at 16 inches on center.
- I. Provide cutouts for plumbing fixtures, inserts, appliances, outlet boxes, fixtures and fittings. Verify locations of cutouts from on-site dimensions. Seal cut edges.

2.9 SITE FINISHING

- A. Sand work smooth and set exposed nails and screws.
- B. Apply wood filler in exposed nail and screw indentations.
- C. On items to receive transparent finishes, use wood filler which matches surrounding surfaces and of types recommended for applied finishes.
- D. Seal, stain and varnish exposed to view surfaces. Brush apply only.
- E. Seal stain and varnish internal exposed to view and semi-concealed surfaces. Brush apply only.
- F. Seal surfaces in contact with cementitious materials.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Section 01039 - Coordination and Meetings: Verification of existing conditions before starting work.
- B. Verify adequacy of backing and support framing.
- C. Verify location and sizes of utility rough-in associated with work of this section.

3.2 INSTALLATION

- A. Set and secure casework in place; rigid, plumb, and level.
- B. Use fixture attachments in concealed locations for wall mounted components.
- C. Use concealed joint fasteners to align and secure adjoining cabinet units and counter tops.
- D. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim for this purpose.
- E. Secure cabinet and counter bases to floor using appropriate angles and anchorages.
- F. Countersink anchorage devices at exposed locations. Conceal with solid wood plugs of species to match surrounding wood; finish flush with surrounding surfaces.

3.3 ADJUSTING

- A. Section 01700 - Contract Closeout: Adjust installed work.
- B. Adjust moving or operating parts to function smoothly and correctly.

3.4 CLEANING

- A. Section 01700 - Contract Closeout: Cleaning installed work.
- B. Clean casework, counters, shelves, hardware, fittings, and fixtures.

END OF SECTION

