

SECTION 06112

ROUGH CARPENTRY

PART 1 – GENERAL

1.01 REFERENCES

- A. APA (American Plywood Association)
- B. AWPA (American Wood Preservers Association) Book of Standards
- C. WCLIB (West Coast Lumber Inspection Bureau)
- D. WWPA (Western Wood Products Association)
- E. Structural Notes

1.02 DELIVERY, STORAGE, AND PROTECTION

- A. See Section 01600 – Material and Equipment: Transport, handle, store and protect products.

1.03 COORDINATION

- A. Coordinate and provide solid blocking for wall and ceiling mounted items.
- B. Coordinate sequencing and installation of gypsum wallboard for firewall and ceiling assemblies.

1.04 ALTERNATES

- A. See Section 01030 for bidding alternates affecting the work of this Section.

1.05 COLORS

- A. Colors are specified in Colors/Materials Schedule.

1.06 SUSTAINABLE BUILDING REQUIREMENTS

- A. See Section 01011 for sustainable building requirements affecting the work of this Section.

PART 2 – PRODUCTS

2.01 LUMBER MATERIALS

- A. Lumber Grading Rules: WCLIB or WWPA.
- B. Maximum Moisture Content: 19%.

2.02 ACCESSORIES

- A. Nail Fasteners: See Structural General Notes; use hot-dipped galvanized steel (American or Canadian manufacture).
- B. Joist Hangers and Framing Connectors: Galvanized steel, sized to suit loads, joints and framing conditions; Simpson, Bowman Morton Manufacturing & Machine, Seattle, WA or approved. Refer to Structural General Notes.
- C. Anchor bolts, Bolts, Nuts, and Washers: Refer to Structural General Notes. Non-structural anchor bolts shall conform to ASTM A307, hot-dipped galvanized at exterior locations or where exposed to exterior environment.
- D. Water resistant Barrier Building Paper: No. 15 Asphalt Felt.
- E. Metal Flashing at Openings: 24 gauge stainless steel.

2.03 WOOD TREATMENT

- A. Wood Preservative (Pressure Treatment): AWPA Treatment LP-2, C2 for lumber, C9 for plywood. After treatment, dry to maximum moisture content 19%.
- B. Wood Preservative for Site Application: In accordance with AWPA M-4.
- C. Treat all wood in contact with concrete, mortar, grout, masonry, and within 12 inches of earth; all wood over water; and all wood in contact with earth; in accordance with AWPA specifications for the Pressure Treatment of Western Woods, latest edition. Where possible, pre-cut material before treatment. All field cuts and drilled holes shall be field treated in accordance with AWPA M-4.

PART 3 – EXECUTION

3.01 FRAMING

- A. Place horizontal members, crown side up.
- B. Construct framing members' full length without splices.
- C. Double members at openings over 1 sq. ft. Space short studs over and under opening to stud spacing.
- D. Curb roof openings except where prefabricated curbs are provided. Form corners by alternating lapping side members.

3.02 SITE APPLIED WOOD TREATMENT

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

3.03 COORDINATION

- A. Coordinate opening sizes required for work of other trades.

END OF SECTION

SECTION 06200

FINISH CARPENTRY

PART 1 – GENERAL

1.01 REFERENCES

- A. ANSI A135.4 – Basic Hardboard.
- B. ANSI A208.1 – Mat Formed Wood Particleboard.
- C. AWI – Quality Standards.
- D. FS MMM-A-130 – Adhesive, Contact.
- E. HPMA (Hardwood Plywood Manufacturer's Association) HP – American Standard for Hardwood and Decorative Plywood.
- F. NEMA (National Electric Manufacturers Association) LD3 – High-Pressure Decorative Laminates.
- G. NHLA (National Hardwood Lumber Association).
- H. PS 1 – Construction and Industrial Plywood.
- I. PS 20 – American Softwood Lumber Standard.

1.02 SUBMITTALS

- A. Submit under provisions of Section 01330.
- B. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details and accessories.

1.03 QUALITY ASSURANCE

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

1.04 **DELIVER, STORAGE, AND HANDLING**

- A. Deliver, store, protect, and handle products to site under provisions of Section 01600.
- B. Protect work from moisture damage.

1.05 **ALTERNATES**

- A. See Section 01230 for bidding alternates affecting the work of this Section.

1.06 **COLORS**

- A. Colors are specified in Colors/Materials Schedule.

1.07 **SUSTAINABLE BUILDING REQUIREMENTS**

- A. See Section 01011 for sustainable building requirements affecting the work of this Section.

PART 2 – PRODUCTS

2.01 **LUMBER MATERIALS**

- A. Interior Hardwood Trim: Select white maple, AWI Grade I. Maximum moisture content 15%.
 - 1. Finish: Provide transparent factory finish over stain conforming to AWI Section 1500, System TR-6 catalyzed polyurethane finish, premium grade.
- B. Interior MDF (Medium Density Fiberboard) Trim: MDF fabricated to size and shape as detailed. Density: 48 pounds per cubic foot. Provide in longest practical lengths.
- C. Refer also to drawing for sizes and special shapes and/or dimensions.

2.02 **FIBERGLASS REINFORCED PANELS (FRP)**

- A. Fiberglass Reinforced Panels and Accessories.
- B. Manufacturer:
 - 1. Marlite.
 - 2. Or approved substitution: Under provisions of Section 01600.
- C. Materials:
 - 1. Fiberglass Reinforced Panels (FRP).
 - 2. Moldings: PVC edge, outside corner, inside corner, division, and base as required for a complete installation.
 - 3. Adhesive and Sealant: As recommended by manufacturer.
 - 4. Color: As selected by Architect.

2.03 **ACCESSORIES**

- A. Building Paper: No: 15 asphalt saturated felt.
- B. Nails: Non-staining size and type to suit application.
- C. Bolts, Nuts, Washers, Blind Fasteners, Lags, and Screws: Size and type to suit application; plain finish (galvanized finish at exterior locations).
- D. Primer: Alkyd primer sealer type.
- E. Wood Filler: Solvent base, tinted to match surface finish color.

2.04 **PREPARATION OF FINISH CARPENTRY AND ARCHITECTURAL WOODWORK ITEMS**

- A. Sand work smooth and set exposed nails and screws to receive filler and leave ready to receive site applied finishes.

- B. Priming: Before installation, all work in this Section scheduled to be painted or stained is to be primed or stained, as applicable, in a heated place at jobsite. Priming paints of finish lumber specified under Section 09900; painter subcontractor will make an adequate quantity of priming material, of applicable types, to carpenters for priming jobsite cut ends, edges, and concealed surfaces, as the installation work proceeds.
- C. Preservative treat surfaces in contact with cementitious materials.
- D. Provide cutout for plumbing fixtures, inserts, appliances, outlet boxes, and other fixtures and fitments. Verify locations of cutouts from site dimensions.

PART 3 – EXECUTION

3.01 EXAMINATION

- A. Verify adequacy of backing and support framing.
- B. Verify mechanical, electrical, and building items affecting work of this Section are placed and ready to receive this work.

3.02 INSTALLATION OF WOOD TRIM

- A. Install work in accordance with AWI 1700 Premium Quality Standard. Scarf and miter joints.
- B. Coordinate exterior trim work with other affected sections in this specification.
- C. Scarf fascia trim board joints.
- D. Set and secure materials and components in place, plumb and level.
- E. Install sealant specified under Section 07900 at exterior trim joints.
- F. Unless otherwise shown, 45 degrees miter-cut all end joints on long runs and miter or cope at angles and corners approved; all joint tight.
- G. Install running trim in as long lengths as practical.
- H. All casings and trim to be backed out to allow firm tight fit over backing materials.
- I. Make joints tight, miter casings and trim.

- J. Set nail heads and screws ready for puttying.
- K. Clean up trim after installation by sandpapering and ease sharp external corners.
- L. Ensure that mechanical and electrical items affecting this Section of work are properly placed, complete and have been inspected by the Design Consultant prior to commencement of installation.

3.03 SITE APPLIED WOOD TREATMENT

- A. Apply preservative treatment in accordance with manufacturer's instructions.
- B. Brush apply preservative treatment on wood in contact with cementitious materials.
- C. Allow preservative to dry prior to erecting members.

3.04 FINAL TREATMENT OF FACTORY FINISHED INTERIOR WOOD TRIM

- A. Set exposed fasteners. Apply wood filler to match finished trim at fastener indentations and trim joints.

3.05 PREPARATION FOR SITE FINISHING

- A. Set exposed fasteners. Apply wood filler in exposed fastener indentations and trim joints. Sand work smooth.
- B. Site Finishing: Coordinate with Section 09900.
- C. Before installation, prime paint surfaces of items or assemblies to be in contact with cementitious materials.

3.06 ERECTION TOLERANCES

- A. Maximum Variation from True Position: 1/16 inch.
- B. Maximum Offset from True Alignment with Abutting Materials: 1/32 inch.

END OF SECTION