

## SECTION 06112

### FRAMING AND SHEATHING

#### PART 1 - GENERAL

##### 1.1 SECTION INCLUDES

- A. Roof sheathing.
- B. Preservative treatment of wood.
- C. Miscellaneous framing and sheathing.
- D. Telephone and electrical panel boards.
- E. Concealed wood blocking for support of toilet and bath accessories, wall cabinets, wood trim and equipment.
- F. Exterior gypsum sheathing.
- G. Structural wall sheathing.

##### 1.2 REFERENCES

- A. ALSC - American Lumber Standards Committee: Softwood Lumber Standards.
- B. ANSI/AHA A135.4 - Basic Hardboard.
- C. APA: American Plywood Association.
- D. AWWPA (American Wood Preservers Association) C1 - All Timber Products Preservative Treatment by Pressure Process.
- E. NFPA: National Forest Products Association.
- F. SPIB: Southern Pine Inspection Bureau.
- G. WCLIB: West Coast Lumber Inspection Bureau.
- H. WWPA: Western Wood Products Association.

##### 1.3 SUBMITTALS

- A. Submit under provisions of General Conditions.
- B. Product Data: Provide technical data on sheathing, wood preservative materials, and application instructions.

#### 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.
- #### 1.5 DELIVERY, STORAGE, AND HANDLING
- A. Deliver, store, protect, and handle products to site under provisions of General Conditions.

### PART 2 - PRODUCTS

#### 2.1 LUMBER MATERIALS

- A. All sawn lumber to be Southern Yellow Pine CCA pressure treated in accordance with American Wood Preservers Association (AWPA) Standard C2-92.
  - CCA Retention = 0.40 LB/FT3 GROUND CONTACT  
0.25 LB/FT3 ABOVE GROUND
- B. Wood Framing Members: #2 Southern Pine with allowable bending stress (Fb) = 1050 psi and a modulus of elasticity (E) = 1,600,000 psi.
- C. Roof Sheathing 3/4" T&G plywood: APA Structural I or II rated sheathing Exposure 1. Panel identification index 48/24, long dimension of panel perpendicular to supports.
- D. Roof sheathing nailing, unless noted 8d nails at 6 inches at all four panel edges and 12 inches at intermediate supports.
- E. Gypsum Wall Sheathing: 5/8" thick "Dens Glass Gold".
- F. Structural wall sheathing: APA Structural I or II rated sheathing.

#### 2.2 ACCESSORIES

- A. Building Paper: No. 15 asphalt felt.

#### 2.3 FACTORY WOOD TREATMENT

- A. Wood Preservative Pressure Treatment: AWPA Treatment C1 using water borne preservative with 0.25 percent retainage.
- B. Wood Preservative Surface Application: Clear, pentachlorophenol type.
- C. Gypsum Sheathing Board: ASTM C79; moisture resistant type; 1/2 inch thick, maximum permissible length; ends cut square, square edges; water repellent paper faces.

## **PART 3 - EXECUTION**

### **3.1 FRAMING**

- A. Set structural members level and plumb, in correct position.
- B. Make provisions for erection loads, and for sufficient temporary bracing to maintain structure safe, plumb, and in true alignment until completion of erection and installation of permanent bracing.
- C. Place horizontal members flat, crown side up.
- D. Coordinate installation of wood decking.

### **3.2 SHEATHING**

- A. Secure roof sheathing perpendicular to framing members with ends staggered and sheet ends over firm bearing. Use sheathing clips between sheets between roof framing members.
- B. Secure wall sheathing with long dimension parallel to wall studs, with ends over firm bearing.
- C. Install telephone and electrical panel boards with B/C plywood material where required. Over size the panel by 12 inches on all sides.

### **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.

### **3.4 TOLERANCES**

- A. Framing Members: 1/4 inch from true position, maximum.

**END OF SECTION**

