

**SECTION 06100**  
**ROUGH CARPENTRY**

**PART 1 - GENERAL**

**1.1 SUMMARY:**

**A. Section Includes:**

1. Rough carpentry includes carpentry work not specified as part of other sections and which is generally not exposed to normal view (concealed).
2. Miscellaneous wood framing and furring.
3. Wood grounds, nailers, blocking and sleepers.
4. Sheathing.
5. Fasteners and connectors required for the work.

**B. Related Sections:**

1. Section 05400 - Cold Formed Metal Framing.
2. Section 06200 - Finish Carpentry.
3. Section 09260 - Gypsum Board Systems.

**1.2 SUBMITTALS:**

**A. Wood Treatment Data:**

1. Submit chemical treatment manufacturer's instructions for handling, storing, installation, and finishing of treated material.

**2. Preservative Treatment:**

- a. For each type specified, include certification by treating plant stating preservative solutions and pressure process used, net amount of preservative retained, and conformance with applicable standards.
- b. For water-borne preservatives, certify that moisture content of materials was reduced to maximum of 19% after treatment and prior to shipping to project site.

**3. Fire-Retardant Treatment:**

- a. Include certification by treating plant that treatment material complies with specified standards, and governing authorities.

<b>VERIFY THAT FIRE TREATMENT WILL NOT REDUCE STRUCTURAL PERFORMANCE AT ELEVATED TEMPERATURES.</b>
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- b. Include materials test reports from qualified testing laboratory indicating and interpreting test results relative to compliance of fire-retardant treated wood products with requirements indicated.

#### 4. LEED MRc7: Certified Wood

Provide a statement from the manufacturer that all wood based products came from "FSC Certified Wood" sources certified by the Forest Stewardship Council. Provide certification and chain of custody documentation from the manufacturer.

#### 5. LEED IEQc4: Low-Emitting Materials

Provide documentation from the manufacturer identifying the VOC and chemical component limits for the materials provided.

### 1.3 QUALITY ASSURANCE:

#### A. Standards:

1. Lumber: Comply with PS 20, WWPA Grading Rules and other grading rules as specified.
2. Plywood: Comply with PS 1, "U.S. Product Standard for Construction and Industrial Plywood".
3. Construction Panels: Comply with APA "Performance Standard and Policies for Structural Use Panels", APA PRP-108.
4. Factory-mark each piece of lumber and plywood with type, grade, mill and grading agency, except omit markings from surfaces to be exposed with transparent finish or without finish.

## PART 2 - PRODUCTS

### 2.1 WOOD TREATMENT:

#### A. Preservative Treatment:

1. Where lumber or plywood is indicated as "Treated", or is specified herein to be treated, comply with applicable requirements of AWPB Standard C2 for lumber and C9 for plywood.
2. Mark each treated item with the AWPB or SPIB Quality Mark.
3. Wood nailers for roofing shall be weather resistant to comply with roof manufacturer's standards for Wolmanized or equal treatment.
4. Wood for nailers shall be #2 or better.
5. Creosote and asphaltic preservatives are not acceptable.
6. Pressure-Treatment for Above-Ground Items: Water-borne preservatives complying with AWPB LP-2. After treatment, rack dry or kiln-dry to a maximum moisture content of 15%. Treat indicated items and the following:
  - a. Wood cants, nailers, curbs, blocking, stripping, and similar members in connection with roofing, flashing, vapor barriers and waterproofing.
  - b. Wood sills, sleepers, blocking, furring, stripping and similar concealed members in contact with masonry or concrete.

- c. Wood framing members less than 18" above grade.
- 7. Complete fabrication of treated items prior to treatment, where possible. If cut after treatment, coat cut surfaces with heavy brush coat of same chemical used for treatment. Inspect each piece of lumber or plywood after drying and discard damaged or defective pieces.
- 8. Do not treat any wood to receive fire-retardant treatment.

**B. Fire-Retardant Treatment:**

- 1. Where fire-retardant lumber or plywood is specified, required by Code, or otherwise indicated, comply with AWPA C20 Standard for lumber and C27 for plywood. Provide Type A treatment for interior and Exterior Type for exterior uses, with fire-retardant chemicals to achieve a flame-spread rating of not more than 25 when tested in accordance with UL Test 723 or ASTM E84.
  - a. Provide UL label on each piece of fire-retardant treated lumber or plywood.
  - b. Rack dry or kiln-dry treated items to a maximum moisture content of 15%.

**C. Wood Glues and Adhesives:**

**LEED IEQc4: Low-Emitting Materials**

All adhesives must meet or exceed the VOC limits of South Coast Air Quality Management District Rule #1168. Provide low VOC, FS MMM-A-125C, Type II, water and mold resistant adhesives.

**PART 3 - EXECUTION**

**3.1 WOOD GROUNDS, NAILERS, BLOCKING AND SLEEPERS:**

- A. Provide 2" nominal wood blocking in metal stud framing to support toilet accessories, grab bars, railings, fixtures, wall mounted casework and equipment, wall mounted door stops and other similar items.
  - 1. At Contractor's option to above, metal backing may be provided as specified in Sections 05400 and 09260.
- B. Build into masonry during installation of masonry work. Anchor to formwork before concrete placement.

**END OF SECTION 06100**