

Section 06100

ROUGH CARPENTRY

PART 1 - GENERAL

1-1. SCOPE. This section covers miscellaneous items required by the Drawings to be of wood construction. Rough carpentry shall include:

- a. Wood nailers and blocking.
- b. Fasteners.

1-2. SUBMITTALS. Drawings and data for rough carpentry and field fabricated items will not be required.

1-3. PROTECTION AND STORAGE. Lumber shall be protected and kept under cover, both in transit and at jobsite. Lumber shall be carefully stacked on suitable supports in a manner which will ensure proper ventilation and drainage.

All lumber shall be delivered to the jobsite bearing grade stamps of the Western Wood Products Association or Southern Pine Inspection Bureau. All lumber shall be segregated by grades. Extreme care shall be exercised in unloading the lumber to prevent damage, splitting, or breaking of materials.

All plywood shall be identified according to species, grade, and glue type by the stamp of the American Plywood Association.

PART 2 - PRODUCTS

2-1. MATERIALS.

Lumber

American Standard Lumber conforming to PS20, moisture content 19 percent or less; sized dry.

Pressure Treated

Southern pine, pressure treated with waterborne preservative

	(alkaline copper quaternary ammonium) in accordance with AWPA C1 and AWPA P5.
Bolts and Nuts	ASTM A307, galvanized ASTM A153, Type NS, or zinc-plated ASTM B633, SC-4.
Wood Screws	18-8 stainless steel or brass.
Self-Tapping Steel Screws	Length and size as required by code.
Nails	Hot-dip galvanized or aluminum coated.

PART 3 - EXECUTION

3-1. **ROUGH CARPENTRY.** Rough carpentry shall include lumber work generally, except finish work.

Contractor shall install all wood blocking and nailers as indicated on the Drawings or required to complete a finished building. In addition to all framing indicated on the Drawings, nailers, blocking, and other backing required for other work and trades shall be installed.

At all times during execution of this portion of the contract, sufficient workmen and supervisors shall be present who are thoroughly familiar with rough carpentry construction and the materials and techniques specified or indicated on the Drawings.

All rough carpentry shall produce joints true, tight, and well nailed, with all members assembled in accordance with the Drawings and with all pertinent codes and regulations.

Individual pieces of lumber shall be selected so that obvious defects will not interfere with the placement of bolts, proper nailing or making of joints. All pieces with defects which render them unusable shall be discarded. Individual pieces of lumber which are too small to use in fabricating the Work with minimum joints shall be discarded.

Whether or not lumber has been installed, it may be rejected by Engineer for excessive splits, warp, twist, bow, crook, mildew, or fungus, as well as for improper cutting and fitting.

Carpentry work shall be set to required levels and lines, with members plumb and true.

Carpentry shall be securely attached to substrates by anchoring and fastening as indicated and as required for strength and by recognized standards.

Framing members shall not be bored or cut for pipes, ducts, conduits, or for any other reasons except where accepted by Engineer.

The premises shall be kept in a neat, safe, and orderly condition at all times during the execution of this portion of the Work and shall be free from accumulation of sawdust, cut ends, and other debris.

Connections between members shall be tight. Washers shall be provided under all bolt heads and nuts in contact with lumber. Installation of fasteners shall not cause splitting of wood.

All wood nailers shall be pressure treated unless otherwise specified.

Nailers shall be provided where indicated on the Drawings. The nailers shall be continuous and shall be installed level and straight. Each section of nailer shall be secured by at least two anchor bolts.

End of Section

