

SECTION 06100
ROUGH CARPENTRY

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and General Provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. Section includes: Work of this Section consists of installing all materials furnished under this Section, including all equipment, labor, services, and incidental items required to complete work as shown on Drawings and specified in this Section.

1. Pressure-preservative-treated wood for:
 - a. Blocking, stripping, and nailers in contact with masonry or concrete.
 - b. Blocking and nailers subject to deterioration by moisture or insect attack.
2. Fire-retardant-treated wood for blocking and nailers into nonloadbearing partitions.
3. Fire-retardant-treated plywood backing panels for:
 - a. Electrical panels and equipment.
 - b. Telephone connectors and distribution panels.
 - c. Data connectors and distribution panels.
 - d. Miscellaneous materials.

B. Related Sections:

1. Division 16 Section "Electrical"; for coordinating sizes and locations of plywood backing panels.

PART 2 - PRODUCTS

2.01 MATERIAL

A. Lumber - General:

1. Lumber Standards: Furnish lumber manufactured to comply with DOC PS 20 American Softwood Lumber Standard and with applicable grading rules of inspection agencies certified by American Lumber Standards Committee's (ALSC) Board of Review.
2. Grade Stamps:
 - a. Provide lumber with each piece factory-marked with grade stamp of grading agency evidencing compliance with grading rule requirements and identifying grading agency, grade, species, moisture content at time of surfacing, and mill.
 - b. Exposed lumber: Furnish piece with grade stamps applied to ends or back of each piece, or omit grade stamps entirely and issue certificate of grade compliance from inspection agency instead of grade stamp.
3. Sizing and Moisture Content:
 - a. Where nominal sizes are indicated, provide actual sizes required by DOC PS 20 for moisture content specified for each use.

- b. Where actual sizes are indicated, they are minimum dressed sizes for dry lumber.
- c. Dressed Rough Lumber: S4S, unless otherwise indicated.
- d. Dry Rough Lumber: Max. 19 percent moisture content at time of dressing and shipment for sizes max. 2 in. nominal thickness, unless otherwise indicated.

B. Wood-Preservative-Treated Materials:

1. General:

- a. Where lumber or plywood is indicated as preservative-treated or is specified as treated, comply with applicable requirements of AWPA Standards C2 (Lumber) and AWPA C9 (Plywood), except that lumber not in contact with the ground and continuously-protected from liquid water may be treated to AWPA C31 with inorganic boron (SBX).
 - b. Mark each treated item with Quality Mark Requirements of inspection agency approved by ALSC'S Board of Review.
2. If cut after treatment, coat cut surfaces to comply with AWPA M4.
 3. Inspect each piece of lumber or plywood after drying and discard damaged or defective pieces.

C. Fire-Retardant-Treatment:

1. General:

- a. Where fire-retardant treated wood is indicated, comply with applicable requirements of AWPA C20 (Lumber) and AWPA C27 (plywood).
 - b. Identify fire-retardant-treated wood with appropriate classification marking of UL; and inspecting agency acceptable to authorities having jurisdiction.
 - c. Research or Evaluation Reports: Provide fire-retardant-treated wood acceptable to authorities having jurisdiction or for which current model code research or evaluation report exists that evidences compliance of fire-retardant-treated wood for application indicated.
2. Interior: Type A high temperature (HT).

D. Miscellaneous Lumber:

1. General:

- a. Provide wood for support or attachment of other work including cant strips, bucks, nailers, blocking, furring, grounds, stripping, and similar members.
- b. Fabricate miscellaneous lumber from Dimension Lumber of sizes, indicated and into shapes shown.
- c. Moisture content: Maximum 19 percent for items not specified to receive preservative-treatment.

2. Grade:

- a. Dimension Lumber Sizes: Provide No. 3 or Standard grade lumber per ALSC's NGRs of any species.
- b. Board Size Lumber: Provide No. 3 or Common grade lumber per NELMA or NLGA; No. 2 Grade per SPIB.

E. Plywood Backing Panels: DOC PS 1, Exposure 1, C-D Plugged, fire-retardant treated, min. 1/2-inch thick.

F. Fasteners

1. General:

- a. Provide of size and type indicated that comply with requirements specified in this Article for material and manufacture.
- b. Provide fasteners with hot-dip zinc coating per ASTM A 153 or AISI Type 304 stainless steel.

2. Nails, Brads, and Staples: FS FF-N-105.
3. Power-Driven Fasteners: National Evaluation Report NER-272.
4. Wood Screws: ANSI B18.6.1.
5. Lag Bolts: ANSI B18.2.1.
6. Bolts: Steel bolts complying with ASTM A307, Grade A; with ASTM A563 hex nuts and, where indicated, flat washers.

PART 3 - EXECUTION

3.01 INSTALLATION

A. General:

1. Discard material units with defects which might impair quality of work, and units which are too small to use in fabricating work with minimum joints or optimum joint arrangement.
2. Set carpentry work to required levels and lines, members plumb and true to line, cut, and fitted.
3. Fit rough carpentry to other construction.
4. Apply field treatment complying with AWPA M4 to field cut surfaces of preservative-treated lumber and plywood.

B. Wood Grounds Nailers, Blocking, and Sleepers:

1. Provide where shown and where required for securing or attaching other work.
2. Form to shapes as shown and cut as required for true line and level of attached work.
3. Coordinate locations with other work involved.

C. Noncombustible Roof Sheathing:

1. Stagger panel joints in long direction and with T-splines recommended by manufacturer at long dimension of panel joints.
2. Place all short panel sides on framing members with min. 1/8 in. gap at panel joints.
3. Where openings are cut in panels, frame on block all edges of panel opening using fire-retardant lumber of size for structural support.

END OF SECTION 06100