

06100 ROUGH CARPENTRY

PART 1 - GENERAL

1. SUMMARY

a. Section Includes:

1. **General:** Carpentry work not specified as part of other sections and which generally is not exposed, except as otherwise indicated.

2. Rough carpentry for:

- a. Miscellaneous lumber for attachment and support of other work.
- b. Wood furring.
- c. Sheathing.
- d. Construction panels for miscellaneous uses.

b. Related Sections:

Finish carpentry: Elsewhere in Division 6.

2. QUALITY ASSURANCE

a. **Lumber:** Comply with NIST PS 20 and approved grading rules and inspection agencies.

b. Inspection Agencies:

- 1. **SPIB:** Southern Pine Inspection Bureau
- 2. **WWPA:** Western Wood Products Association

c. **Grade Stamps for Concealed Lumber:** Each piece of lumber, applied by inspection agency and showing compliance with each specified requirement.

d. **Construction Panels:** Comply with NBS PS 1 where veneer plywood is specified; comply with APA PRP-108 where APA rated panels are specified; bearing APA trademark showing compliance with each specified requirement.

3. DELIVERY STORAGE AND HANDLING

Protect wood products against moisture and dimensional changes. Support stacks at several uniformly spaced points to prevent deformation. Store stacks raised above ground. Cover to protect from rain and snow. Select and arrange cover to allow air circulation under and all around stacks to prevent condensation. Maintain and restore displaced coverings. Remove from the site any wood products that have been subjected to moisture or that do not comply with the specified moisture requirements.

PART 2 - PRODUCTS

1. DIMENSION LUMBER

a. Size: Provide nominal sizes indicated, complying with NIST PS 20 except where actual sizes are specifically required.

b. Framing Lumber: Provide lumber of species and grades indicated on the drawings.

c. Miscellaneous Lumber: Provide dimension lumber and boards necessary for the support of work specified in other sections, whether or not specifically indicated, and including but not limited to blocking, nailers, etc.

1. Moisture content: 15 percent maximum (kiln-dry).

2. Lumber: S4S, No. 2 or standard grade.

3. Boards: Construction, 2 common, or No. 2 grade.

2. BOARDS - LESS THAN 2 INCHES THICKNESS

a. Moisture Content: Kiln-dry (15 percent maximum)

b. Surfacing: S4S.

3. CONSTRUCTION PANELS

Construction Panels/Plywood: Miscellaneous uses.

Concealed plywood: C-C Plugged exterior.

4. MISCELLANEOUS MATERIALS

a. Fasteners: Provide as required by applicable codes and as otherwise indicated.

Provide fasteners with a hot-dip zinc coating (ASTM A 153) for treated lumber and where wood is in ground contact, subjected to high relative humidity, or exposed to weather.

b. Sill Sealer Gaskets: Glass fiber insulation strips; uncompressed thickness, 1 inch (1/32 inch compressed); width to match sill members.

PART 3 - EXECUTION

1. INSTALLATION - GENERAL

a. Arrange work to use full length pieces except where lengths would exceed commercially available lengths. Discard pieces with defects that would lower the required strength or appearance of the work.

b. Cut and fit members accurately. Install plumb and true to line and level.

c. Fasten carpentry in accordance with applicable codes and recognized standards.

- d. Where exposed, countersink nails and fill flush with suitable wood filler.
- e. Use fasteners of appropriate type and length. Pre-drill members when necessary to avoid splitting wood.

2. MISCELLANEOUS CARPENTRY

- a. Provide miscellaneous blocking, nailers, grounds, and framing as shown and as required for support of facing materials, fixtures, specialty items, and trim. Cut and shape to the required size. Provide in locations required by other work.
- b. Use countersunk fasteners appropriate to applied loading.

3. WOOD FURRING

Install wood furring plumb and level; shim as necessary to bring true to plane; install closure strips at ends perpendicular to main furring direction.

4. WOOD FRAMING - GENERAL

- a. Comply with sizes, spacing, and configurations indicated. Where not specifically indicated, comply with applicable codes and NFPA "Manual for Wood Frame Construction." Splice members only where specifically indicated or approved.
- b. Space fasteners as indicated. Where not specifically indicated, comply with applicable codes and the "Recommended Nailing Schedule" of NFPA "Manual for Wood Frame Construction" and "National Design Specification for Wood Construction."

5. BOARD SHEATHING

Locate end joints over supports unless end matched boards are used. Separate joints in adjacent boards by at least one joist or stud space. Separate joints over the same support by at least two boards. Nail 6-inch-wide boards using two 8d nails at intermediate supports and three at diaphragm boundaries. Nail 8-inch and wider boards using three 8d nails at intermediate supports and four at diaphragm boundaries.

Nail or screw miscellaneous plywood panels to supports.

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