

SECTION 06101

MISCELLANEOUS ROUGH CARPENTRY

PART 1 - GENERAL

1.01 DESCRIPTION

- A. This Section describes the requirements for miscellaneous rough carpentry items, including but not limited to the following:
 - 1. Wood blocking and backing.
 - 2. Plywood backing at mechanical and electrical rooms.
- B. Related Sections:
 - 1. Wood treatment is specified in Section 06070.

1.02 PRODUCT HANDLING

- A. Keep materials under cover and dry. Protect against exposure to weather and contact with wet or damp surfaces.
- B. Stack lumber, plywood and other panels; provide for air circulation within and around stacks and under temporary coverings.

PART 2 - PRODUCTS

2.01 LUMBER

- A. Manufacture lumber to comply with PS 20 and with applicable grading rules of inspection agencies certified by ALSC Board of Review.
- B. Factory-mark each piece of lumber identifying grading agency, grade, species, moisture content at time of surfacing, and mill.
- C. Nominal sizes are indicated, except as indicated by detail dimensions. Provide actual sizes as required by PS 20, for moisture content specified for each use. Provide dressed lumber, S4S, unless otherwise indicated.
- D. Moisture Content: 19 percent maximum.
- E. Species and Grade: Douglas Fir, No. 2 unless otherwise indicated.

2.02 PLYWOOD BACKING

- A. Standards: Comply with requirements of PS 1 Voluntary Product Standard "Construction and Industrial Plywood" for veneer plywood and APA PRP-108 "Performance Standards and Policies for Structural-Use Panels" for performance-rated panels.
- B. Miscellaneous Exposed Plywood: APA A-D Interior, thickness indicated.

2.03 FASTENERS

- A. General: Provide fasteners with hot-dip zinc coating in accordance with ASTM A153 or stainless steel.
- B. Nails, Wire, Brads, Staples: FS FF-N-105.
- C. Bolts: ASTM A307, Grade A; with hex nuts and flat washers.
- D. Screws: Type, size and length appropriate for securing gypsum and plywood sheathing to metal studs.

PART 3 - EXECUTION

3.01 INSTALLATION, GENERAL

- A. Discard units of material with defects which might impair quality of work, and units in sizes that would require an excessive number or poor arrangement of joints.
- B. Cut and fit miscellaneous carpentry accurately. Install members plumb and true to line and level.
- C. Securely attach carpentry work to substrate by anchoring and fastening as indicated and required.
- D. Use fasteners of appropriate type and length and compliant with CBC Chapter 23. Install fasteners without splitting wood; pre-drill as required.

3.02 WOOD GROUNDS, NAILERS, AND BLOCKING

- A. Provide where indicated and required for screeding or attachment of other work. Form to shapes indicated and cut as required for true line and level of work to be attached. Coordinate location with other work involved.
- B. Attach to substrates as required to support applied loading. Countersink bolts and nuts flush with surfaces.
- C. Provide permanent grounds of dressed, preservative treated, key- beveled lumber not less than 1-1/2-inches wide and of thickness required to bring face of ground to exact thickness of finish material. Remove temporary grounds when no longer required.

3.03 PLYWOOD BACKING

- A. Saw cut plywood accurately for tight fit.
- B. Install with grain of outer plies at right angles to supports.
- C. Fasten securely at each support with self-tapping sheet metal screws driven flush with face of plywood, and terminate ends only over supports.
- D. Maintain tight joints but do not force panels into place.
- E. Comply with additional recommendations in APA Form E30, "Design/Construction Guide - Residential & Commercial".

END OF SECTION