

SECTION 06 10 00
ROUGH CARPENTRY

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Non-structural dimension lumber framing.
- B. Rough opening framing for doors, windows, and roof openings.
- C. Miscellaneous wood nailers, furring, and grounds.

1.02 REFERENCE STANDARDS

- A. ASTM D3498 - Standard Specification for Adhesives for Field-Gluing Plywood to Lumber Framing for Floor Systems; 2011.
- B. PS 20 - American Softwood Lumber Standard; 2020.
- C. WCLIB (GR) - Standard Grading Rules for West Coast Lumber No. 17; 2018.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Refer to Structural Drawings for additional requirements.
- B. In the event of conflicting requirements between structural notes and the requirements in this Specification, the most stringent requirements apply.

1.04 SUBMITTALS

- A. See Section 01 33 00 - Submittal Procedures for submittal procedures.
- B. Manufacturer's Certificate: Where requested for exposed products, certify that wood products supplied for rough carpentry meet or exceed specified requirements.

1.05 QUALITY ASSURANCE

- A. In the event of conflicting requirements between applicable codes, regulations, structural notes and the requirements in this Specification, the most stringent requirements apply.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. General: Cover wood products to protect against moisture. Support stacked products to prevent deformation and to allow air circulation.
 - 1. Underlayment: Store in clean, dry, indoor area.

1.07 WARRANTY

- A. See Section 01 70 00 - Execution and Closeout Requirements, for additional warranty requirements.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

- A. Dimension Lumber: Comply with PS 20 and requirements of specified grading agencies.
 - 1. Species: Douglas Fir-Larch, unless otherwise indicated.
 - 2. If no species is specified, provide any species graded by the agency specified; if no grading agency is specified, provide lumber graded by any grading agency meeting the specified requirements.
 - 3. Grading Agency: Any grading agency whose rules are approved by the Board of Review, American Lumber Standard Committee (www.alsc.org) and who provides grading service for the species and grade specified; provide lumber stamped with grade mark unless otherwise indicated.
- B. Lumber fabricated from old growth timber is not permitted.
- C. Composite wood products are to be made with no added urea formaldehyde.

2.02 DIMENSION LUMBER FOR CONCEALED APPLICATIONS

- A. Grading Agency: West Coast Lumber Inspection Bureau; WCLIB (GR).

- B. Sizes: Nominal sizes as indicated on drawings, S4S.
- C. Moisture Content: Kiln-dry or MC15.
- D. Interior Stud Framing (2 by 2 through 2 by 6):
 - 1. Species: Douglas Fir-Larch.
 - 2. Grade: Stud.
- E. Miscellaneous Framing, Blocking, Nailers, Grounds, and Furring:
 - 1. Lumber: S4S, No. 2 or Standard Grade.

2.03 ACCESSORIES

PART 3 EXECUTION

3.01 INSTALLATION - GENERAL

- A. Select material sizes to minimize waste.
- B. Reuse scrap to the greatest extent possible; clearly separate scrap for use on site as accessory components, including: shims, bracing, and blocking.

3.02 FRAMING INSTALLATION

- A. Set structural members level, plumb, and true to line. Discard pieces with defects that would lower required strength.
- B. Make provisions for temporary construction loads, and provide temporary bracing sufficient to maintain structure in true alignment and safe condition until completion of erection and installation of permanent bracing.
- C. Install structural members full length without splices unless otherwise specifically detailed.
- D. Comply with member sizes, spacing, and configurations indicated, and fastener size and spacing indicated, but not less than required by applicable codes and AFPA Wood Frame Construction Manual, whichever is most stringent.
- E. Construct double joist headers at floor and ceiling openings and under wall stud partitions that are parallel to floor joists; use metal joist hangers unless otherwise detailed.
- F. Frame wall openings with two or more studs at each jamb; support headers on cripple studs.
- G. Frame corners with triple studs to provide adequate attachment for sheathings and other applied materials.

3.03 BLOCKING, NAILERS, AND SUPPORTS

- A. Provide framing and blocking members as indicated or as required to support finishes, fixtures, specialty items, and trim.
- B. In framed assemblies that have concealed spaces, provide solid wood fireblocking as required by applicable local code, to close concealed draft openings between floors and between top story and roof/attic space; other material acceptable to code authorities may be used in lieu of solid wood blocking.
 - 1. Concealed spaces of stud walls and partitions at ceiling and floor levels and at 10-foot intervals horizontal and vertical.
 - 2. At all interconnections between concealed vertical and horizontal spaces.
 - 3. Openings around vents, pipes, ducts, chimneys and similar openings that afford a passage for fire at ceiling and floor levels with non-combustible materials.
- C. Provide the following specific non-structural framing and blocking:
 - 1. Wall brackets.
 - 2. Handrails.
 - 3. Wall-mounted door stops.
 - 4. Chalkboards and marker boards.
 - 5. Wall paneling and trim.
 - 6. Joints of rigid panel finishes that occur between studs. (i.e. soffit plywood, etc.)

3.04 TOLERANCES

- A. Framing Members: 1/4 inch from true position, maximum.
- B. Variation from Plane (Other than Floors): 1/4 inch in 10 feet maximum, and 1/2 inch in 30 feet maximum.

3.05 FIELD QUALITY CONTROL

- A. See Division 01 General Requirements, for additional requirements.

3.06 CLEANING

- A. Waste Disposal: Comply with the requirements of Division 00 Procurement and Contracting Requirements and Division 01 General Requirements.

END OF SECTION