SECTION 06100 - ROUGH CARPERNTRY

1.1 GENERAL:

A. Submittals: Submit the following:

1. Product data for wood products, insulating sheathing, air infiltration barriers, and construction adhesives.
2. Material certificates for dimension lumber specified to comply with minimum allowable unit stresses.
3. Wood treatment data, including chemical treatment manufacturer's instructions for handling, storing, installing, and finishing treated materials.

1.2 PRODUCTS:

A. Lumber, General:
Comply with DOC PS 20 and with applicable grading rules of inspection agencies certified by the American Lumber Standards Committee's (ALSC) Board of Review. Provide dressed lumber, S4S, with each piece factory marked with grade stamp of inspection agency.

1. For exposed lumber, furnish pieces with grade stamps applied to ends or back of each piece or omit grade stamps and provide grade compliance certificates issued by inspection agency.
2. Provide dry lumber, with 19 percent maximum moisture content at time of dressing for 2-inch nominal (38-mm actual) thickness or less, unless otherwise indicated.

B. Wood Preservative Treated Materials:
Comply with applicable requirements of AWPA C2 (lumber) and AWPA C9 (plywood). Mark each treated item with the quality mark requirements of an inspection agency approved by ALSC's Board of Review.

1. Pressure treated aboveground items with waterborne preservatives to a minimumretention of 0.25 lb./cu. ft. (4.0 kg/cu. m). After treatment, kiln-dry lumber and plywood to a maximum moisture content of 19 and 15 percent, respectively. Treat indicated items and the following:

a. Wood sills, sleepers, blocking, furring, stripping and similar concealed members in contact with masonry or concrete.

2. Pressure treat wood members in contact with ground or freshwater with waterborne preservatives to a minimum retention of 0.40 lb./cu. ft. (6.4 kg/cu. m).

3. Complete fabrication of treated items before treatment, where possible. If cut after treatment, apply field treatment complying with AWPA M4 to cut surfaces. Inspect each piece of lumber or plywood after drying and discard damaged or defective pieces.

C. Dimension Lumber:
Provide dimension lumber of grades indicated according to the ALSC National Grading Rule (NGR) provisions of the inspection agency indicated.

1. Non-load-Bearing Interior Partitions:

Provide No. 2 grade and any of the following species:

a. Species: Eastern softwoods; NELMA
b. Species: Northern species; NLGA
c. Species: Mixed southern pine; SPIB
d. Species: Western woods; WCLIB or WWPA

2. Framing Other than Non-Load-Bearing Partitions:
Provide construction or No. 2 grade and any of the following species:

a. Species: Southern pine; SPIB
b. Species: Douglas fir-larch; NLGA, WCLIB, or WWPA
c. Species: Hem-fir; NLGA, WCLIB, or WWPA
d. Species: Douglas fir south; WWPA

3. Framing other than Non-Load-Bearing Partitions:
Provide any species of machine stress-rated (MSR) dimension lumber with a grade of 1450f-1.3E.

4. Framing other than Non-Load-Bearing Partitions:
Provide any species and grade with a modulus of elasticity of at least 1,300,000 psi (8950 Mpa) and an extreme fiber stress in bending of at least 850 psi (5.9 Mpa) for 2-inch nominal (38 mm-actual) thickness and 12-inch nominal (286-mm actual) width for single member use.

D. Wood-Based Structural-Use Panels:
Provide either all-veneer, mat-formed, or composite panels complying with DOC PS 2. "Performance Standard for Wood Based Structural-use panels," unless otherwise indicated. Provide plywood panels complying with DOC PS 1, "U.S. Product Standard for Construction and Industrial Plywood," where plywood is indicated.

1. Trademark: Factory mark structural use panels with APA trademark evidencing compliance with grade requirements.

2. Span Ratings:
Provide panels with span ratings required to suit support spacing indicated.

3. Span Ratings: Provide panels with span ratings required to meet "Code Plus" provisions of APA form No. E30, "APA Design/Construction Guide: Residential & Commercial."