

## SECTION 061000 - ROUGH CARPENTRY

### PART 1 - GENERAL

#### 1.1 SECTION INCLUDES

- A. Dimensional lumber, engineered wood products, and wood blocking.
- B. Structural notes indicated on the drawings regarding rough carpentry shall be considered a part of this specification.

#### 1.2 RELATED WORK

- A. Pertinent Sections of Division 01.

#### 1.3 REFERENCES

- A. Codes and Standards: Comply with the provisions of the following codes, specifications, and standards except where more stringent requirements are shown or specified. Where any provision of other pertinent codes and standards conflict with this specification, the more stringent provision shall govern.
  - 1. ASTM D245 - Standard Practice for Establishing Structural Grades and Related Allowable Properties for Visually Graded Lumber.
  - 2. NDS - National Design Specification for Wood Construction with Commentary.
  - 3. NDS Supplement - National Design Specification Values for Wood Construction.

#### 1.4 SUBMITTALS

- A. Submit product data for each distinct product specified.
  - 1. Submit product data and current ICC Evaluation Reports for framing anchors.
- B. Material certificates for dimensional lumber specified to comply with minimum allowable unit stresses indicated on the documents. Indicate species and grade selected for each use, and design values approved by American Lumber Standards Committee.

#### 1.5 DELIVERY, STORAGE AND HANDLING

- A. All lumber shall be delivered, piled, and handled to protect it from warping due to excessive moisture or damage. Lumber shall be stored off the ground and under a waterproof cover properly fastened down to resist wind forces.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

- A. Grade and Species:

1. Provide dimensional lumber of any species, graded visually or mechanically, and capable of supporting required loads without exceeding allowable design values according to the "National Design Specification for Wood Construction" and its "Supplement."
- B. Lumber grading rules shall be obtained from one of the following agencies:
  1. NELMA - Northeastern Lumber Manufacturers Association.
  2. NLGA - National Lumber Grades Authority.
  3. NSLB - Northern Softwood Lumber Bureau.
  4. SPIB - Southern Pine Inspection Bureau.
- C. When nominal sizes are indicated, provide actual sizes required by PS 20 for moisture content specified. Where actual sizes are indicated, they are minimum dressed sizes for dry lumber.

## 2.2 MISCELLANEOUS FASTENING REQUIREMENTS

- A. Furnish and install all fasteners and anchoring devices for entire project, which shall include items such as nails, screws, bolts, anchors, and similar items. Common nails shall be used for all fastening in rough carpentry. All nails, screws, and other metal hardware shall be stainless steel, Grade 316 or 316L. Bolts shall have standard threads and be complete with washers and nuts.

Wood assemblies such as wood curbs, top nailers, and other built-up members shall be anchored with common nails or wood screws having at least 1-1/2 inch anchoring penetration spaced in two staggered rows at 24 inches on center for each row.

## PART 3 - EXECUTION

### 3.1 INSTALLATION, GENERAL

- A. Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit rough carpentry to other construction; scribe and cope as needed for accurate fit. Locate nailers, blocking, and similar supports to comply with requirements for attaching other construction.
- B. Do not use materials with defects that impair quality of rough carpentry or pieces that are too small to use with minimum number of joints or optimum joint arrangement.
- C. Use common wire nails, unless otherwise indicated. Select fasteners of size that will not fully penetrate members where opposite side will be exposed to view or will receive finish materials. Make tight connections between members. Install fasteners without splitting wood; predrill as required.
- D. Countersink nail heads.

### 3.2 WOOD FRAMING INSTALLATION, GENERAL

- A. Framing Standard: Comply with AF&PA's "Manual for Wood Frame Construction," unless otherwise indicated.

- B. Do not splice structural members between supports, unless specifically detailed.
- C. Provide a minimum of three inches of bearing for dimensional lumber.
- D. Where built-up beams or girders of 2-inch nominal dimension lumber on edge are required, fasten together with 2 rows of 20d nails spaced not less than 12 inches o.c], staggered on opposite faces. Locate one row near top edge and another near bottom edge. Provide two (2) 20d nails at each end and at each splice.

END OF SECTION