

## **DIVISION 6 – WOOD AND PLASTICS**

### **SECTION 06105 - MISCELLANEOUS CARPENTRY**

#### **PART 1 - GENERAL**

##### **SUMMARY**

This Section includes the following:

Sheathing, soffit, and fascia material.

Carpentry work not specified elsewhere and generally intended for support of other work.

Miscellaneous blocking, grounds, nailers, and panels.

##### **DELIVERY, STORAGE, AND HANDLING**

Delivery and Storage: Keep materials under cover and dry. Protect against exposure to weather and contact with damp or wet surfaces. Stack material above ground level on uniformly spaced supports to prevent deformation.

#### **PART 2 - PRODUCTS**

##### **LUMBER, GENERAL**

Standards: Furnish lumber manufactured to comply with PS 20 "American Softwood Lumber Standard" and with applicable grading rules of inspection agencies certified by American Lumber Standards Committee's (ALSC) Board of Review.

Grade Stamps: Furnish lumber with each piece factory-marked with grade stamp of inspection agency that indicates grading agency, grade, species, moisture content at time of surfacing, and mill.

##### **DIMENSION LUMBER FOR CONCEALED CONDITIONS**

Species: Any wood species listed by PS 20.

Moisture Content: S-DRY, KD 19 or MC 19 (19 percent maximum moisture content).

Grade: No. 2 or standard grade.

##### **BOARDS FOR EXPOSED CONDITIONS**

Species: Any one of the following:

Douglas fir.

Southern pine.

Moisture Content: S-DRY, KD 19 or MC 19 (19 percent maximum moisture content).

Grade: No. 1, 1 Common, Construction Heart, or Select Merchantable Boards.

### CONSTRUCTION PANELS

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.

Miscellaneous Concealed Plywood: C-C Plugged Exterior, thickness as indicated but not less than 1/2 inch nominal.

Miscellaneous Exposed Plywood: A-D Interior, thickness as indicated but not less than 1/2 inch nominal.

Roof Sheathing: 5/8" thickness, exterior grade, APA, exposure 1.

Soffit and Fascia: 1/2" nominal thickness, exterior rated, hardboard.

### FASTENERS

General: Where miscellaneous carpentry is exposed to weather, in ground contact, or in area of high relative humidity, provide fasteners with a hot-dip zinc coating per ASTM A 153.

Nails, Wire, Brads and Staples: FS FF-N-105.

Bolts: ASTM A 307, Grade A; with ASTM A 563 hex nuts and flat washers.

## **PART 3 - EXECUTION**

### INSTALLATION, GENERAL

Discard units of material with defects that impair quality of miscellaneous carpentry and in sizes that would require an excessive number or poor arrangement of joints.

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

Coat cut edges of preservative-treated wood to comply with AWWA M4.

Securely fasten miscellaneous carpentry as indicated and according to applicable codes and recognized standards.

Countersink nail heads on exposed carpentry work and fill holes.

Use fasteners of appropriate type and length. Pre-drill members when necessary to avoid splitting wood.

#### WOOD GROUNDS, NAILERS, BLOCKING, AND SLEEPERS

Install where shown and where required for screeding or attachment of other work. Cut and shape to required size. Coordinate location with other work involved.

Attach to substrates as required to support applied loading. Countersink bolts and nuts flush with surfaces, unless otherwise indicated.

#### CONSTRUCTION PANELS

Comply with applicable installation recommendations in APA Form E30 "Design/Construction Guide--Residential & Commercial."

\*\*\*\*\* END OF SECTION 06105 – MISCELLANEOUS  
CARPENTRY \*\*\*\*\*

### SECTION 06192 - WOOD TRUSSES

#### PART 1 - GENERAL

##### 1.01 SUMMARY

- A. Provide prefabricated and pre-engineered wood trusses:
  - 1. Gable-shaped trusses.

##### 1.02 SUBMITTALS

- A. Submit for approval shop drawings, product data.
- B. Engineering drawings and details with calculations.

##### 1.03 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

- B. Standards: TPI, Design Specification for Metal Plate Connected Wood Trusses; TPI, Design Specification for Metal Plate Connected Parallel Chord Wood Trusses.
- C. Design Engineering: Registered engineer.
- D. Fire-Retardant Treatment: AWWPA C20 for lumber; noncorrosive type.

## **PART 2 - PRODUCTS**

### 2.01 MATERIALS

- A. Wood Trusses:
  - 1. Lumber Standard: PS 20 American Softwood Lumber Standard.
  - 2. Species: West Coast Douglas Fir or Yellow Pine.
  - 3. Dressing: Dressed four sides.
  - 4. Moisture Content: Seasoned, 19 percent maximum.
  - 5. Grade for Chord Members: No. 2.
  - 6. Grade for Web Members: No. 2 or Standard.
- B. Connectors, Fasteners, and Metal Framing Anchors:
  - 1. Connectors: Hot-dip galvanized steel sheet, ASTM A 446, Grade A; ASTM A 525, G60.
  - 2. Nails, Wire, Brads, and Staples: FS FF-N-105.
  - 3. Power Driven Fasteners: National Evaluation Report NER-272.
  - 4. Wood Screws: ANSI B18.6.1.
  - 5. Lag Bolts: ANSI B18.2.1.
  - 6. Bolts: ASTM A 307, Grade A; ASTM A 563.
  - 7. Metal Framing Anchors: Hot-dip galvanized steel sheet, ASTM A 446, Grade A; ASTM A 525, G60.

## **PART 3 - EXECUTION**

### 3.01 INSTALLATION

- A. Comply with recommendations of TPI Design Specifications for Metal Plate Connected Wood Trusses.
- B. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction. Coordinate with work of other sections.
- C. Restore damaged components. Clean and protect work from damage.

\*\*\*\*\* END OF SECTION 06192 – WOOD TRUSSES \*\*\*\*\*

\*\*\*\*\* END OF DIVISION 6 – WOOD AND PLASTICS \*\*\*\*\*