

## SECTION 061200 – SHADE CANOPY STRUCTURE

### PART 1. GENERAL

#### 1.1 SCOPE OF WORK:

Provide all labor, equipment and material for all rough carpentry including (but not limited to) anchoring, columns, posts, beams, joists and slats and all other items shown or indicated, specified or required for a complete job.

- A. Furnish and install all carpentry as shown and specified.
- B. Carpentry work shall include, but is not limited to erecting and setting of wood timber posts, construction of wood framing, installation of wood blocking, and hardware.

### PART 2. PRODUCTS

#### 2.1 GENERAL:

The contractor shall provide all the materials required for the shade canopy structures carpentry. Material shall be treated No. 1 fir, Hemlock or Yellow Pine or equal, same to be treated. All framing shall be selected for proper quality as appropriate for the particular use.

#### 2.2 MATERIALS:

- A. New Lumber:
  - 1. Lumber construction shall be treated:
    - a. Douglas Fir or Western Hemlock No. 1 and Determined by the Western Wood Products Association (WWPA).
    - b. Southern Pine of No. 1 grade determined by the Southern Pine Inspection Bureau (SBIB).
  - 2. All new lumber shall be kiln dried to not more than 19% moisture content and shall bear official grade stamp.
- C. Treated Lumber:
  - 1. Wood preservatives shall be waterborne-salt solutions conforming to American Wood-Preservers Association (AWPA). Standard P-5 and Federal Specification TT-W-550.
  - 2. Pressure treatment of new lumber shall conform to:
    - a. Federal Specification TT-W-571.
    - b. American Wood Preservers Bureau (AWPB) Standard LP-2 for normal exposure above ground.

3. Structure poles be uniform in diameter, straight with no damaged faces. Notches to receive beams shall be uniform depth and shall be clean cuts with no over cuts. Beams shall fit snug with no gaps greater than 1/16" between beam and pole. Pole top shall be flush with top of beams.

D. Hardware:

- a. Furnish all required hardware such as nails, screws, bolts, miscellaneous anchors, etc., as required by this work. All rough hardware shall be of the best quality and of proper size to adequately secure the work in place. Nails shall be galvanized steel all other hardware stainless steel all made made in the United States.
- b. Bolts shall be stainless steel 5/8" in lengths that finish close to flush with nut heads when tightened. Both bolt heads and nut ends shall have stainless steel washers.
- c. Straps to tie down joist members to top of beams shall be: Simpson No. H5A stainless steel straps or approved equal. Each end of each joist member shall be strapped on the interior face of the double beam member. All nails shall be set flat to face of straps with no bends allowed.

### PART 3. EXECUTION

#### 3.1 PROTECTION:

- A. New materials shall be suitably stored or stockpiled and protected.
- B. Materials new in place, shall also be protected during construction.

#### 3.2 WORKMANSHIP:

- A. Precision and care shall be exercised in performing all framing, anchoring, bolting, screwing, nailing, etc., in order to achieve first quality construction and detailing.
- B. Examine the alignment of the structural timber post. Correct all misalignments before proceeding with erection.
- C. Erection of roof joists and slats; start correctly and hold sheets true to line. Spacing of members shall equal and uniform.

#### 3.3 FRAMING:

- A. Rough Framing:
  1. Provide and install all framing members, rafters, joists, blocking, etc., shown and required for the completion of the work.

2. All wood framing shall be installed with sufficient nails, bolts to assure rigidity. Where fasteners are not specifically shown, provide adequate fastenings per Architect's approval.

- B. Pre-drill wood members where required to prevent splitting of lumber by rough hardware.
- C. Lumber, hardware and construction details for placement of work shall conform to existing shapes, sizes, and details, unless noted otherwise on drawings.
- D. Materials that are new in place shall also be protected during construction.

