

PB-H Model Rectangular Pavilion

Technical Specifications



- I. **Design Criteria:** Structure shall be designed to be free standing, open air pavilion, in conformance with applicable building code. Manufactured by RCP Shelters: PO Box 25, Stuart, FL 34995, Ph: 800-525-0207, fax: 772-288-0207, web: www.rcpshelters.com, e-mail: info@rcpshelters.com.
- II. **Scope:** Rectangular hipped roof picnic pavilion over a 4" minimum thickness reinforced concrete slab. Shelter shall have a clear space, without a center column or open knee bracing. The owner or contractor shall be responsible for unloading, temporary storage, soil testing (if necessary), site preparation, concrete slab & piers, & erection. Structures shall be designed by professional, registered engineers. When storing, the owner is responsible for protection of materials after arrival. Block members well off the ground and separate with wood strips to allow circulation. Cover top and bottom with moisture resistant paper.
- III. **Eave & Pitch:** Eave height shall be minimum **7'-6"**. Roof pitch shall be **4:12**.
- IV. **Columns:** Will be glued laminated SYP, APA / EWS certified, members, CCA pressure treated 0.6 pcf, & sized to meet local loading requirements. Column to be 12' in length, 8' above & 4' below finished grade.
 - **(Option)** Columns to be structural tube steel sized to meet loading conditions. Columns to be 8'. Columns to be factory prime painted with a rust inhibitive modified alkyd primer according to Steel Structures Painting Council (SSPC-SP2) as outlined in AISC 6.5. The columns shall be finished painted with two coats weather resistant enamel paint, supplied and applied by the owner or GC in the field. Column anchor bolts to be furnished by GC or owner as required by foundation design.
- V. **Beams:** Beams will be glued laminated SYP, APA/EWS certified, members factory sealed and individually wrapped for protection in transit. Unloading Note: Use non-marring slings, block materials off ground.
- VI. **Roof Deck:** Shall be nominal 2" x 8" #1 grade, T&G, SYP, edge veed one side, kiln dried, and furnished in specified lengths so that all joints occur over a laminated beam support.
- VII. **Roofing: (Optional)**
 - A. Shall be 25-year warranty, class "A" fire rated, fiberglass shingles over 15# felt underlayment. Roofing nails to be galvanized, 1¼" galvanized and supplied by the manufacturer. Drip edge applied continuously along perimeter.
 - B. Shall be galvanized metal, "R" panels with ¾" high ribs, 9" on center. Ribs shall run with the roof pitch for proper drainage. Matching roof trim & fasteners shall be supplied. All roofing and trim finish painted using the "Kynar 500" paint system. Color to be chosen by owner from standard color chart.
- VIII. **Fascia:** Shall be #1 grade, 2" x 6" SYP, CCA pressure treated 0.4 pcf, per AWPA standards.
- IX. **Hardware:** All hardware connections shall be ASTM A-36 steel, prime painted after fabrication and included with all required nails and fasteners.