

Cedar Forest Products Co.

HEX & OCT POST AND BEAM PAVILION

Our Hex & Oct Post and Beam Pavilions surround you with economy and quality

CFP Pavilions combine post and beam construction with a hexagon or octagon open shelter shape, offering unparalleled economy and quality. These popular designs offer a great structure for gatherings of friends, community weekends or just a nice place to relax.

- Glue-laminated columns, beams and purlins
- Nominal 2" x 6", #1 kiln-dried Southern Yellow Pine roof decking
- 35-year, class "A" laminate architectural shingles
- Roof Pitch 3/12

OPTIONS: Steel Columns • Cedar tongue and groove roof decking • Cedar shingles • Cedar shakes • Pre-cut metal roof • Railing • Cupola • Lightning protection system • Various roof pitches available

Hexagon Post & Beam	Roof Size	Octagon Post & Beam	Roof Size
HPB 16	16' diam.	OPB 26	26' diam.
HPB 20	20' diam.	OPB 30	30' diam.
HPB 24	24' diam.	OPB 34	34' diam.
HPB 30	30' diam.	OPB 36	36' diam.
HPB 32	32' diam.	OPB 40	40' diam.
HPB 35	35' diam.	OPB 45	45' diam.
HPB 36	36' diam.	OPB 60	60' diam.
HPB 40	40' diam.		
HPB 45	45' diam.		
HPB 50	50' diam.		





HEXAGON POST AND BEAM (HPB) LAMINATED COLUMN

BUILDING STRUCTURE(S) SHALL BE HEXAGON AND POST AND BEAM, AS FURNISHED BY CEDAR FOREST PRODUCTS COMPANY, P.O. BOX 98, POLO, ILLINOIS, 61064, USA, 815-946-3994 OR 800-552-9495.

SPECIFICATIONS

Building material package shall be as designed and manufactured by Cedar Forest Products and specified herein. Any changes or departures from design shall be explained and documented by complete engineered drawings by a registered structural engineer at least seven days prior to bid date.

MATERIAL AND QUALITY ASSURANCE. Manufacturers of the structural glue laminated timbers shall be in conformance with the requirements of the American Institute of Timber Construction Standards. Specifications for glue laminated timber AITC 117. Materials, Manufacturers, and quality control shall be in conformance with ANSI/AITC A.190.1 (latest edition) and AITC-200. Lumber shall be kiln-dried Southern Yellow Pine AITC-117.

COLUMNS

Glue laminated wood columns shall be glue laminated Port Orford Cedar. Manufacturers shall furnish connection steel and hardware for joining structural glue laminated timber members to their supports, exclusive of anchorage and embedment in masonry or concrete (anchor bolts are not furnished).

HIPPED RAFTERS, PERIMETER BEAMS, AND PURLINS

Laminated beams manufactured to ANSI/AITC-190.1-(latest edition). Species: Laminated lumber shall be kiln-dried Southern Yellow Pine, architectural appearances grade, sealed and wrapped. Sized to span. The roof system is designed to withstand 30 PSF live load and 20 PSF wind load on the vertical projected area. The roof slope shall be 3/12.

WOOD TO WOOD CONNECTIONS

Wood to wood connections shall be fabricated from structural steel ASTM-A-36, shall be prime painted PPG corrosive resistant primer. Finish coat: PPG rust control inhibitive latex enamel. Surface preparation in accordance with SSPC-SP10. Hardware: A-325 zinc plated machine bolts and nuts.

COMPRESSION RING

Shall be fabricated from structural steel ASTM-A-36. All welding shall be performed in accordance with American Welding Society (AWS), Structural Welding Code- Steel (AWS). Surface preparation in accordance with SSPC-SP-10. Steel shall be prime painted with standard prime paint, PPG epoxy primer. Finish Coat: rust control inhibitive latex enamel. Hardware: A-325 zinc plated machine bolts and nuts.

ROOF DECKING

Machine stress-rated lumber, 2700 Fb-2.2 E (nominal) 2" x 6" #1 grade, single tongue and groove with V-joint on bottom face, kiln-dried Southern Yellow Pine, maximum moisture content shall be 19% or less selected for decking. Roof decking shall be field cut, specified lengths with all joints over supports. Western Wood Products Association Grading Rules, Southern Pine Inspection Bureau (latest edition).

SHINGLES

Class "A" fire rated, architectural grade, laminated fiberglass shingle with a 35 year limited warranty, ASTM D 3018 type 1. To be installed, over 30 lb. felt and style "D" roof edge. Roof application as per manufacturer's specifications. Color to be approved by owner/design professional.

FASCIA

(Nominal) 2" x 8" Western Red Cedar, "D"/ Better Grade, kiln-dried, Surfaced on Four Sides, Western Wood Products Association Grading Rules-(latest edition).

STRUCTURE ERECTION

The fabricator shall furnish complete shop drawings showing necessary details. Installation of the structure shall be done with a competent supervisor in the construction trades according to Cedar Forest Products installation instructions providing proficient construction practices and procedures. The general contractor is responsible for the security of materials after its arrival at the destination. The contractor will be required to shim, cut, and make adjustments for proper building erection. Cedar Forest Products has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

ENGINEERING

Building material packages that are designed and manufactured by Cedar Forest Products are reviewed by a registered structural engineer. Stamped structural drawings by a registered engineer licensed in the state of the project are available upon request. Structural calculations are available for an additional fee. Not included in our package is the site specific design of the foundation. No foundation stamped engineer drawings or calculations are provided by Cedar Forest Products. The purchaser must consult with a local registered structural engineer if the soil bearing conditions are different than those indicated in our drawings. The design, excavation, and construction of the structure(s) foundation must be verified by a local registered structural engineer.