

Cedar Forest Products Co.



HEX & OCT ARCH PAVILION

CFP's Hex & Oct Arch Pavilion provides a versatile gathering place

This functional and attractive arch design features glue-laminated arches, meeting in a center compression ring for a clear span. These models may also be designed as enclosed buildings, ensuring total versatility for any purpose.

- Glue-laminated arches
- Nominal 2" x 6", #1 kiln-dried Southern Yellow Pine roof decking
- Cedar fascia
- 35-year, class "A" laminate architectural shingles
- Galvanized surface mount base shoes
- Roof Pitch 4/12

OPTIONS: Solid laminated arch • 2" x 6" cedar roof decking • Cedar Shingles • Cedar Shakes • Pre-cut metal roof • Cupola • Lightning protection system • Various roof pitches available • Cedar tongue and groove roof decking

Hexagon Arch Pavilion	Roof Size	Octagon Arch Pavilion	Roof Size
HAP 20	20' diam.	OAP 18	18' diam.
HAP 24	24' diam.	OAP 24	24' diam.
HAP 28	28' diam.	OAP 28	28' diam.
HAP 34	34' diam.	OAP 34	34' diam.
HAP 36	36' diam.	OAP 40	40' diam.
		OAP 44	44' diam.





HEXAGON ARCH PAVILION (HAP) LAMINATED ARCH

BUILDING STRUCTURE(S) SHALL BE HEXAGON ARCH PAVILION, 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.

ARCHES

Structural glue laminated timber shall be in conformance with ANSI/AITC Standard A.190.1- (latest edition). Species: Laminated lumber shall be kiln-dried Southern Yellow Pine, architectural appearance grade, sealed and wrapped. Laminated arches shall be pressure treated in accordance with the American Wood Preserves Association (AWPA). The roof system is designed to withstand 30 PSF live load and 20 PSF wind load on the vertical projected area. 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).

RAFTERS, PERIMETER BEAMS, AND PURLINS

Laminated beams manufactured to ANSI/AITC-A 190.1-(latest edition). Species: Laminated lumber shall be kiln-dried Southern Yellow Pine, architectural appearances grade, sealed and wrapped. Sized to Span. 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 4/12.

WOOD TO WOOD CONNECTIONS

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