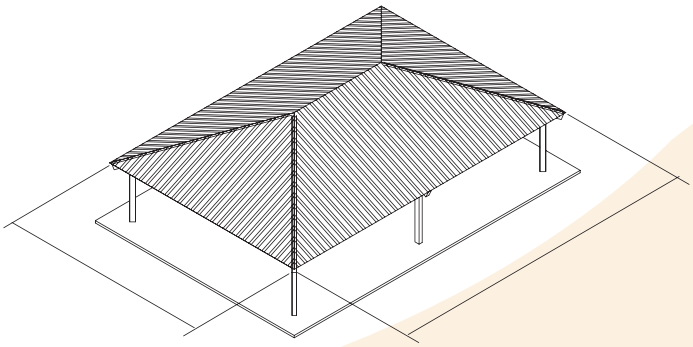
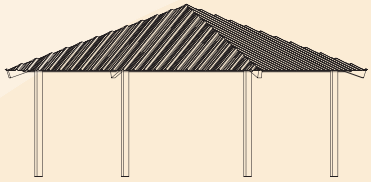
Cedar Forest Products Co.

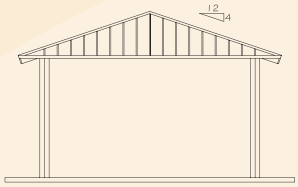
STEEL HIP-ROOF



Standard A Dimension 16', 20', 24', 30'
Standard B Dimension 20' multiple bays to 84'



HIPPED SQUARE PAVILIONS: SHS1212, SHS1616, SHS2020, SHS2424, SHS3030, SHS3636



HIPPED RECTANGULAR PAVILIONS: RHS1624, RHS1634, RHS1644, RHS2024, RHS2034, RHS2044, RHS2434, RHS2444, RHS2464, RHS3044, RHS3064, RHS3084

CFP's Steel Hip-Roof structures have versatility and variety covered

Providing cover from rain and shade from the summer heat, this pavilion design provides a practical solution for coping with the elements. Few structures offer the economy and durability of this Cedar Forest favorite.

- Steel roof panel system or 2" x 6" roof decking available for all models
- Available in 26 custom colors
- Various roof pitches available

CFP
CEDAR FOREST PRODUCTS CO

STEEL SHELTER SPECIFICATIONS

BUILDING STRUCTURE AS FURNISHED BY CEDAR FOREST PRODUCTS COMPANY, P.O. BOX 98, POLO, ILLINOIS, 61064, USA, 815-946-3994 OR 800-552-9495.

SPECIFICATIONS

Cedar Forest Products steel shelter structures are engineered and manufactured in Polo, Illinois, USA and shall be designed in strict accordance with the BOCA National Building Code (1999 Edition) using minimum live load 30 PSF, a minimum wind load based on a 80 mph wind speed. Heavier load requirements consult Cedar Forest Products. The building structures are precut, prefabricated and shipped as components to a building package. **No on site welding required.** Any changes or departures from design shall be explained and documented by complete engineered drawings of a registered structural engineer at least seven days prior to bid date. Also, bidder must be a reputable manufacturer of prefabricated buildings for at least two years, and must be able to show completed building of type specified if requested by the owner.

STRUCTURAL STEEL FRAME

All structural members shall be fabricated from structural steel tubing conforming to ASTM A-500. All structural steel members shall be designed in accordance with the requirements of American Institute of Steel Construction (AISC) and American Iron and Steel Institute (AISI).

METAL ROOF

Pre-cut, 24-gauge steel panel roof system shall conform to ASTM-A-446 and to be hot-dipped galvanized with a substrate coating of G-90 per ASTM-A-525, UL90 rated. Panel configuration shall have a 1 1/4" high trapezoidal shaped major rib, tapering in width from a 1" to 3 ¼" wide at the base of the panel. Major ribs shall be on 12" centers. Two additional minor ribs shall be provided on 4" centers between the major ribs. Panel shall provide one purlin bearing leg and provide a 36" net coverage. Standard paint system shall be siliconized modified polyester meeting the following specifications:

1. The primer paint coat must be pigmented with corrosion inhibiting pigments. It shall have a dry film thickness of 0.20 mils (.00020 inches) on both sides of the sheet.
2. The roofing (exterior) finish coats shall have a dry film thickness of 0.80 mils. + or - .1 (.00040 inches) over the primer.
3. The backer (interior) underside ceiling finish coat shall be white, and have a dry film thickness of 0.40 mils. + or - .1 (.00040 inches) over the primer.
4. Colors shall be manufacturer's standard – 26 colors to chose from.
5. Exterior Finish shall have a 25-year written warranty.

Panels shall be attached to steel frame with self-drilling screws per manufacturer's instructions. Trim shall be roll-formed steel with matching roof colors.

WELDING

Certified welders shall perform all shop welding. All welding shall be performed in accordance with the American Welding Society (AWS), Structural Welding Code - Steel (AWS).

FINISH

The steel frame is prepared for finish by sandblasting all steel components to a near white condition (SP-10). They are then air blown and cleaned to remove any loose particles.

Finish on steel frame is first painted with a PPG CRE-CT Epoxy Primer with a dry film thickness of 2.0 mils. Then finish painted using a PPG Tecstar acrylic modified alkyd enamel with polyurethane enhancer with a dry film build of 1.5 – 2.0 mils.

STRUCTURE ERECTION

Installation of the structure shall be done with a competent supervisor in the construction trades according to Cedar Forest Products installation instructions providing good construction practices and procedures. The general contractor is responsible for protection of material after arrival at destination. The contractor will be required to shim, cut and make adjustments of fitting for proper building erections. Cedar Forest Products has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

ENGINEERING

A registered structural engineer reviews building material packages designed and manufactured by Cedar Forest Products. **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. Purchaser must consult with a local registered structural engineer if the soil bearing conditions are other than those indicated on our drawings. A local registered structural engineer must verify the design, excavation and construction of the structure(s) foundation.