

## Specifications

### Minimum Design Criteria:

- Wind Load: 90 mph class C
- Snow Load: 30 psf
- Seismic Load: Varies, meets local code requirements
- Basic Soil Bearing: 1500 psf
- Concrete Bearing: 2500 psi

### Maximum Design Parameters:

- Wind Load: up to 175 mph
- Snow Load: up to 300 psf



### Specifications:

- **Roof Pitch:** 4/12 standard – up to 12/12 available
  - **Roof Style:** Hip
  - **Steel Posts:** 5x5 or 6x6 by 3/16 wall structural steel (A 500 Grade A) with welded anchor and beam attachment plates. All plates conform to ASTM A36.
  - **Wood Posts:** 6x6 or larger #1 Douglas Fir free of heart center, free of wane; sanded & surfaced all 4 sides(S4S); CBA pressured treated.
  - **Steel Beam:** 3/16" wall by 4" wide; Beams are sized to match load requirements either square or rectangular tube. I beam, channel and angle are not used due to bird and insect nesting.
  - **Wood Beam:** Glu-Laminated Douglas Fir with water proof glue in accordance with current AITC-ANSI Standards. Sizes shall be 5 1/8" wide for main support and bottom purlins; top purlins shall be 3 1/8" wide. All glu-lams shall be architecturally finished and individually wrapped.
  - **Roof Decking:** Optional 2x6 or 3x6 Fir select deck tongue and groove. Decking shall be kiln dried to a moisture content of 19% or less and vee grooved on the finished face. Decking is unfinished and requires on site cutting. Pressure treating or staining is available.
  - **Fascia:** 2x6 or 2x8 Fir #1 or better; surfaced all four sides. Pressure treating or staining is available.
  - **Finish:** Steel posts, beams and steel connections are sand blasted to SP 10 near white and electro statically polyester powder coated after fabrication 4-6 mils. Hardware is zinc coated or hot galvanized.
  - **Options Available:**
    - State Engineers Stamp; Hot Dip Galvanizing; Natur-Kote; Cupola; Clerestory; Floor; Rails; Benches; Asphalt shingles; Cedar shingles or shake; Hi Rib, Standing Seam or Tile Roof.
- (Note: Asphalt, Cedar and Tile roof options require 2x6 tongue & groove roof decking.)

Hexagon Sizes		Table Capacity	
Model	Size	6'	8'
98-HEX016	16'	2	2
98-HEX020	20'	3	2
98-HEX025	25'	4	4
98-HEX030	30'	6	4
98-HEX035	35'	12	8
98-HEX040	40'	13	10
98-HEX045	45'	22	17
98-HEX050	50'	26	17
98-HEX055	55'	30	20
98-HEX060	60'	32	21

Other sizes available.

Octagon Sizes		Table Capacity	
Model	Size	6'	8'
98-OCT020	20'	2	2
98-OCT025	25'	4	3
98-OCT030	30'	9	6
98-OCT035	35'	12	9
98-OCT040	40'	18	14
98-OCT045	45'	22	16
98-OCT050	50'	28	20
98-OCT055	55'	38	28
98-OCT060	60'	42	32

Other sizes available.

