

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 (8/12 shown)
- **Roof Style:** Gable
- **Steel Posts:** Minimum 3x6 by 3/16 wall or larger structural steel (A 500 Grade A) with welded anchor and beam attachment plates. All plates conform to ASTM A36.
- **Steel Beam:** Minimum 3/16" wall by 3" 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.
- **Roof Decking:** 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.
- **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; Fretwork; Logos; Asphalt shingles; Cedar shingles or shake; Hi Rib, Standing Seam or Tile Roof.



Wrangell Sizes		Table Capacity	
Model	Size	6'	8'
98-W12020	12' X 20'	2	2
98-W16020	16' X 20'	2	2
98-W16028	16' X 28'	6	3
98-W16036	16' X 36'	8	4
98-W16044	16' X 44'	10	5
98-W20020	20' X 20'	4	4
98-W20028	20' X 28'	6	6
98-W20036	20' X 36'	8	8
98-W20044	20' X 44'	12	10
98-W20052	20' X 52'	14	12
98-W24028	24' X 28'	6	6
98-W24036	24' X 36'	12	9
98-W24044	24' X 44'	18	12
98-W24052	24' X 52'	21	15
98-W24060	24' X 60'	24	18

Wrangell Sizes		Table Capacity	
Model	Size	6'	8'
98-W30036	30' X 36'	12	9
98-W30044	30' X 44'	16	12
98-W30052	30' X 52'	18	14
98-W30060	30' X 60'	20	16
98-W30068	30' X 68'	27	18
98-W30076	30' X 76'	30	21
98-W30084	30' X 84'	33	24
98-W40052	40' X 52'	28	20
98-W40060	40' X 60'	32	24
98-W40068	40' X 68'	36	27
98-W40076	40' X 76'	40	31
98-W40084	40' X 84'	44	32
98-W40092	40' X 92'	48	36
98-W40100	40' X 100'	56	40
98-W50076	50' X 76'	50	39
98-W50084	50' X 84'	55	40
98-W50092	50' X 92'	60	45
98-W50100	50' X 100'	70	50
98-W50108	50' X 108'	75	55



PO Box 270, Baker City, OR 97814
 (541) 523-0224 (800) 252-8475 Fax (541) 523-0231
www.naturalstructures.com - info@naturalstructures.com

Other sizes available.