

Model: Steelworx Downcurve Shelter, 20' x 20'
Model # DC-2020-SW

Manufacturing Mission: To provide all prefabricated components and installation instructions for a 20' wide (measured from eave to eave) by 20' long free standing bolt together, tubular steel constructed shelter kit.

Design Criteria: Structure is typically designed for a 30 lb live load and a 100 mph wind load capacity. All structural members are ASTM A-500 U.S. grade B steel. Welded connection plates shall be ASTM A-36 hot rolled steel. All welding performed to latest AWS standards by ASTM Certified welders and provided in accordance to same.

Tubular Steel Columns and Beams: Standard column dimensions shall be 5" x 5" tubular steel welded to 5/8" base plate (footing design provided separately). Curved beams are 7" x 5" and interior purlins are 5" x 3". Economy Version (EV) of this shelter model for residential or less stringent design locations are available with smaller more economical member sizes.

Roofing: 24 Ga. pre-cut steel panels with Kynar 500 finish in a variety of colors with white underside. Standard eave height is 7'-8". Also available with a taller curved roof or with a vented top roof. Alternate roofing materials include standing seam, asphalt shingles, cedar shake, or clay tile. Tongue & groove wood decking is also available.

Frame Finish: All steel framework will undergo a three step powder coat application that begins with welded raw steel being sand blasted to a white condition to eliminate contaminants and oils. Then a zinc-rich primer is applied and baked at 400°F, followed by a corrosion protective TGIC Polyester powder coat, electro-statically applied and cured at 400°F. A large selection of standard colors are available.

Foundation: All columns need to be anchored to concrete footings. Columns can be surface mounted with anchor bolts at or below finish slab elevation or they can be embedded directly into the footing. Optional base plate covers are available at an additional cost.

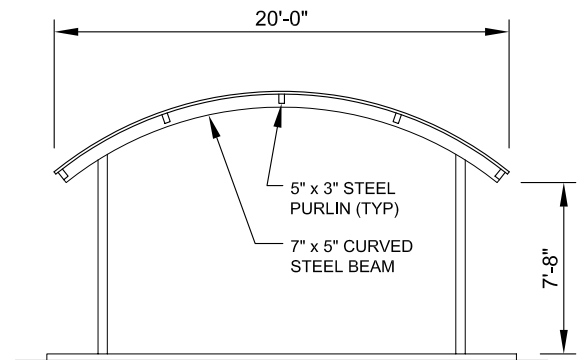
Hardware: All structural hardware provided and to be A-325 or B7 as required.

Shop Drawing: The fabricator shall furnish a complete set of installation drawings.

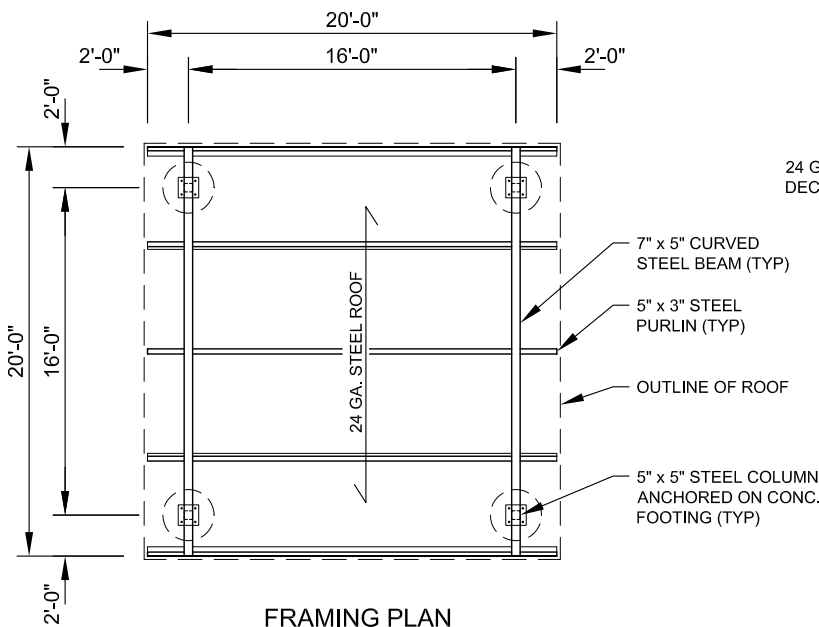
Not Included: Concrete work of any kind, unloading of product and installation.

Additional Options:

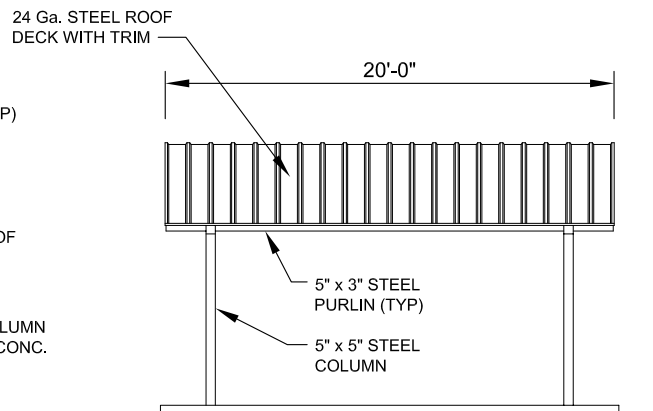
- Flexibility of Design
 - Such as: Height and Pitch
- Additional Engineering
- Variety of Colors
- Decorative Railings, Lattice, Braces, Trim, etc.
- Cupolas and Rooftop Accs.
- Site Furnishings and Accs.
- Column Style Variations
- Lexan Wind Screens
- Tongue & Groove Roof Decking
- Asphalt Shingles, Standing Seam, Cedar Shake or Clay Tile Roofing
- Composite Finished Ceiling
- Solar Panels & Solar Lighting



FRONT ELEVATION
SCALE: NTS



FRAMING PLAN
SCALE: NTS



SIDE ELEVATION
SCALE: NTS



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DESIGN SPECIFICATIONS