

Model: Steelworx Stretched Octagonal Shelter w/ Vented Top, 42' x 72'

Manufacturing Mission: To provide all prefabricated components and installation instructions for a 42' x 72' stretched octagonal (measured from eave to eave) free standing bolt together, tubular steel constructed shelter kit.

Design Criteria: Structure is typically designed for a 25 lb live load and a 90 mph wind load capacity, but can be designed based on specific site requirements upon request. 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 dimension shall be 8" x 6" x 3/16" tubular steel welded to 5/8" base plates. Main support beams are 10" x 6" x 3/16" and purlins are 6" x 4" x 3/16" and 5" x 3" x 1/8". All framing connections are done using A325 grade bolts within concealed access openings from above and will later be concealed by the roofing. All roof framing shall be flush against the roof decking to eliminate the possibility of bird nesting. Steel sizes are preliminary and may change upon final engineering based on actual site conditions and load requirements (site specific engineering shall be an additional cost).

Roof Deck (optional): 2" x 6" (nominal) #1 Grade, end matched, single tongue and groove with V-joint bottom face, kiln-dried, to an average of 15% moisture content, Southern Yellow Pine.

Roofing: 24 Ga. pre-cut steel panels either standing seam or ribbed steel both with Kynar 500 finish in a variety of colors with white underside. 29 Ga. steel panels will be used with tongue and groove option. Standard roof slope is a 6/12 pitch with a eave height of 9'-6". Also available with 4/12 or 8/12 pitch roof. Attached to structural framing with engineered strength self tapping screws painted to match roof (standing seam panels attached using concealed clips).

Frame Finish: All steel framework will receive 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 (footing design provided separately). 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 and roofing fasteners shall be provided.

Warranty: 10 years against manufacturer defects.

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.
- 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
- Site Furnishings and Accs.



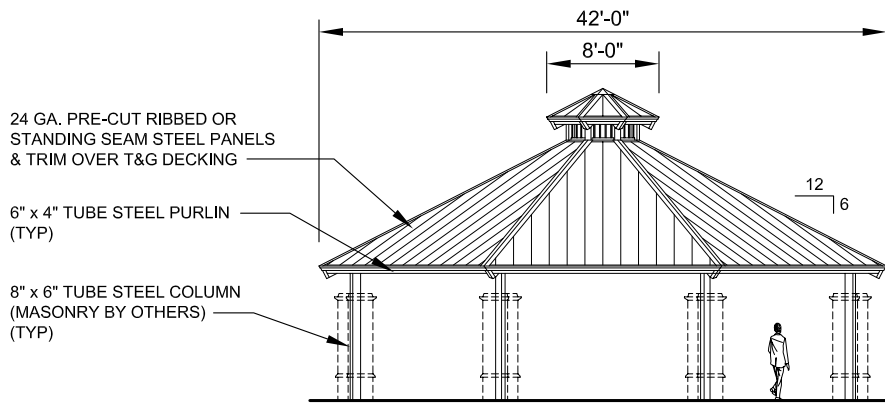
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Steelworx Stretched Octagonal, Vented Roof - 42' x 72'

Model: SOC-4272-SW-C

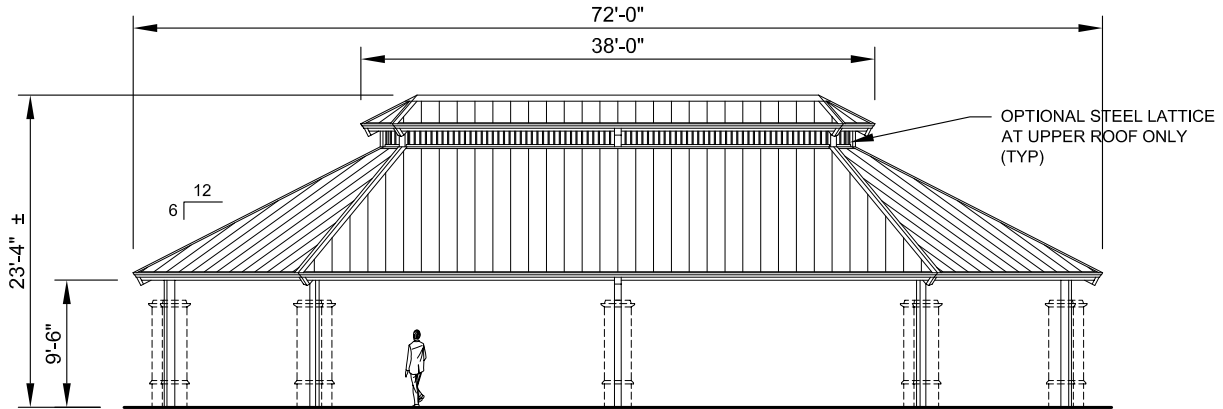
DESIGN SPECIFICATIONS

NOT FOR CONSTRUCTION



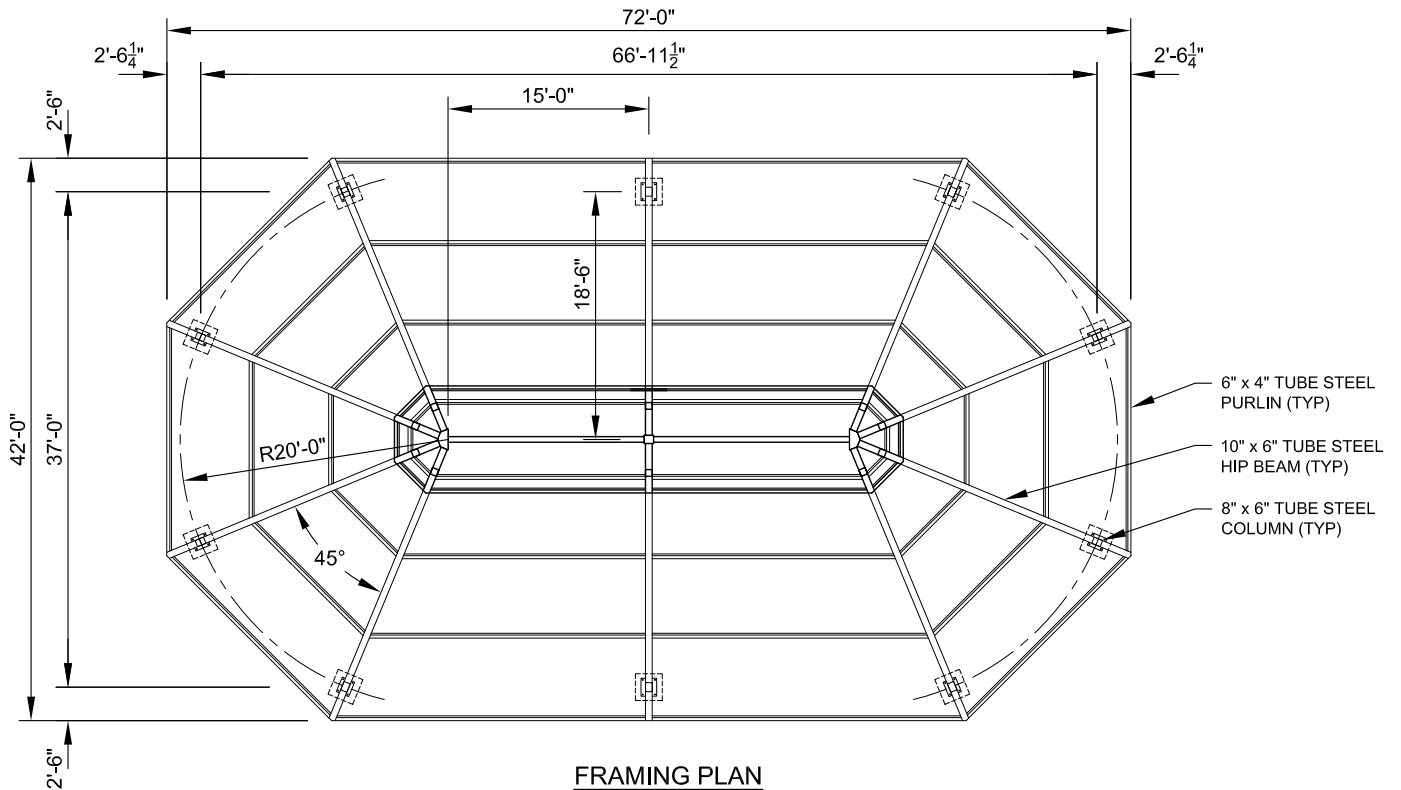
FRONT ELEVATION

SCALE: NTS



SIDE ELEVATION

SCALE: NTS



FRAMING PLAN

SCALE: NTS



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