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## SPECIFICATIONS

### Lattice – Round Style

**DESCRIPTION:** Round Lattice or Arbors feature a multi-gable roof, are designed and constructed from metal for minimum maintenance and long life in any climate. Prefabrication allows fast, easy erection over a concrete slab. Faster footing layout with one anchor hole per column.

**ROOF:** Round lattice is 2.975" outside diameter extruded aluminum tube .055" thick normally spaced 6" apart.  
Fasteners: #8-18x3/4" #2 Tek 410SS and #12x3/4" #3 Tek zinc plated Hex washer head screws are included for fastening fascia and roof panels.

**FINISH:** (standard) Steel structure will be cleaned after all welding and fabrication is completed by shot blasting to white metal, sprayed with an alkaline cleaner/phosphatizer, rinsed with ambient water, and a final rinse with a chemical sealer. Anti-graffiti finish is a polyurethane-based powder coating 3-6 mils thick that is cured at 400°F until fused into a smooth coating. The surface is made outstanding by the following qualities: Easy to clean, highly resistant to weather and corrosion, smooth flow, powder coat finish, glossy surface. This permanent protection system has been designed to withstand numerous clean-ups and its appearance will be virtually unaltered, even after repeated clean-ups, though a slight reduction in the degree of gloss is possible. Inscriptions applied with marking pens will disappear completely. (Option for corrosive atmospheres) The above anti-graffiti finish applied over zinc rich primer 2-3 mils thick. The zinc rich primer will allow structure to withstand up to bad environments without rusting problems. This premium finish has proven to be virtually rust free after 1000's of hours in a salt fog chamber. The zinc primer stops rust from spreading under the finish when scratches or dings occur.  
(Option for areas of extreme corrosive atmosphere) Hot dip galvanizing. The steel structure is hot dip galvanized according to ASTM A 123-Zinc Coatings on Iron and Steel Products. Fabricated components are completely immersed in a bath of 98% pure molten zinc at approximately 850°F long enough to reach bath temperature. Standard powder coating is then applied.

**STRUCTURE:** Steel conforms to ASTM 500 or equivalent specifications.  
Posts & Rafters: Manufactured from 6"x 3/16" square steel tubing ASTM A500. Posts contain a single concealed anchor bolt hole in the base for surface mounting.

Standard post is designed for surface mounting. Optional: in-ground mount is available

Plates, Braces, Brackets, and Blocks: Used in various areas of the shelter these components are manufactured from 1/4" steel that conforms to ASTM A36 or equivalent specifications.

Fasteners: Steel 5/8"x1 1/2" bolts are supplied for all shelters. Bolts, nuts and washers are hot dipped-galvanized and conform to ASTM A325.

**INSTRUCTIONS**: Complete detailed installation instructions and assembly drawings are supplied with each shelter.

## **SHIPPING**

**& INSTALLATION**: Shelters are pre-drilled for easy installation. The structural frame is fully fabricated to eliminate the need for drilling, cutting, or welding on site. The structure is placed on a wood skid and secured and protected by shrink wrapping. Panels and trim are packaged to prevent damage.