

## SPECIFICATIONS

### ILLINI

**DESCRIPTION:** Illini shelters feature a gable roof and tubular structure, and are designed for minimum maintenance and long life in any climate. Prefabrication allows fast, easy erection over a concrete slab

**ROOF:**

(optional) Wood. Tongue and groove decking will be Pressure Treated Southern Yellow Pine #1 Grade or better, kiln dried, 2" x 6" nominal dimension 5 3/8" x 1 1/2" actual finished dimension with 14/32" tongue and 1/2" groove. To be covered with standard roofing materials. Facia is the same as the decking.

(optional) 3" structural insulated panel, .030 x 3105-H14/25 stucco embossed aluminum top and bottom or oriented strand board top for application of standard roofing materials and aluminum bottom bonded to a oriented 1# density expanded polystyrene is 1.1966 lb per square foot. Drip edge facia trim made from 6063-t6 aluminum extrusion 4" H.

**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.

**STRUCTURE:** Steel conforms to ASTM A500 or equivalent specifications.

Posts & Rafters: Rectangle steel posts 3"x4"x3/16" or 3"x5"x3/16" are welded to a steel base and surface mount to concrete footings with anchor bolts (per local code). Optional: in-ground mount available.

Ridge, Rafter & Column Plates: Constructed of 3/16" steel ASTM A36 plate.

Fasteners: Steel 1/2"x1 3/4" or 1/2"x4 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.