



STEEL SPECIFICATIONS

MODEL 600

The Structural Basis of the Building System

The steel sheet material consists of light gauge cold-rolled steel which form straight and arched panel sections of various lengths and radius. Maximum building profile dimensions depend upon local design load (snow and wind) requirements. Steel coil stock shall conform to the requirements of the American Society for Testing and Materials, ASTM A653 Structural (physical) quality.

- a) Grade A (33,000 pounds per square inch minimum yield)
(33 ksi minimum yield strength) OR
Grade B (37,000 pounds per square inch minimum yield)
(37 ksi minimum yield strength) OR
Grade C (40,000 pounds per square inch minimum yield)
(40 ksi minimum yield strength) OR
Grade D (50,000 pounds per square inch minimum yield)
(50 ksi minimum yield strength).
- b) Steel Coil thickness shall be designated by decimal of an inch,
(not by gauge).
Tolerances are +0.008 inches (0.2 mm) to -0.000.
.0290 inch, 23 gauge (.7366 mm)
.0350 inch, 21 gauge (.8890 mm)
.0400 inch, 20 gauge (1.016 mm)
.0450 inch, 19 gauge (1.143 mm)
.0480 inch, 18 gauge (1.219 mm)
- c) Width of coiled steel 23.50" (59.69 cm) to 24.00"(60.96 cm),
optimum 23.75" (60.325 cm).
- d) By Coil, 20 inch (50.8 cm) I.D., 5,000 pound (2268 kg)
maximum weight.
- e) Painted stock: Coating designation G-60, Polyester
(1 mil front, 0.5 mil washcoat back, with wax coating. NCCA
Standard "T" bend Test method (alternate) 3 T longitudinal bend
100 percent adhesion with wax applied.
- f) Unpainted stock coating designation should be G-90, Regular
Spangle, oiled.