

Specification Sheet: Series 6000 Rolling Steel Service Door

- Windload:** Designed to withstand a minimum of 20 lbs. per square foot and a maximum of 40 lbs. per square foot of windload deflection to an amount that prevents curtain from buckling or being blown out of the guides.
- Curtain:** Interlocking curtain slats roll-formed from 22, 20 or 18 gauge galvanized steel. Insulated curtain slats contain EPS (polystyrene) or optional urethane insulation with a 24 gauge steel backer slat. Lateral slat movement and curtain wear controlled by galvanized malleable cast endlocks fastened to every other slat. Windlocks are added as dictated by door size and windload requirements. Flat slat (FS) cover 2-1/2" high by 3/4" deep. Curved slats (CS) cover 2-5/8" by 7/8" deep. Insulated slats (IS) cover 2-1/2" by 13/16".
- Bottom Bar:** Fabricated from two galvanized steel angles for non-windlock doors (Standard). Windlock doors use 2" x 2" x 1/8" steel painted (Standard) Galvanized (Optional), bolted back to back with adjustable tubular bottom astragal. Aluminum bottom bar w/keyed cylinder (optional).
- Guides:** Fabricated from three (minimum 3/16") structural steel angles bolted together to form guide channel. Guide angles include curtain stops and flared guides. Hot dipped or cold sprayed galvanized guides (Optional).
- Headplates:** Headplates for mounting curtain, hood and barrel assemblies fabricated from minimum 1/4" steel plate. Drive side of barrel to be provided with precision sealed ball bearing in cast iron housing.
- Barrel:** Fabricated from minimum 4-1/2" O.D. pipe. Deflection under full load not to exceed 0.03" per ft. of span. Barrel provided with threaded rings or lugs welded to the barrel assembly for curtain attachment.
- Springs:** Spring tension assembly supported within barrel by precision ball bearings. Curtain weight counterbalanced by oil-tempered, helically wound torsion springs, grease packed and mounted to steel torsion shaft with cast spring plug. Spring assembly designed for 20,000 cycle life springs (standard). Higher cycles (optional).
- Hood:** Fabricated from minimum 24 gauge galvanized steel sheet shaped to fit within the headplates. Intermediate hood support(s) furnished as required.
- Locking:** Manual push-up doors furnished with interior slide bolt locks with padlock provision standard. Chain hoist operated doors furnished with chain hoist keeper suitable for padlocking. Cylinder locks available with aluminum bottom bar only.
- Operation:** Manual push-up, chain hoist (standard) or motor operation.
- Finish:** Curtain slats and hood are hot-dipped galvanized, per ASTM A653 A, with baked on epoxy primer and polyester finish coat available solid grey, grey & white, tan & white or powder coating (optional). Guides and headplates shop painted black. Bottom bars to be shop painted black or galvanized.
- Warranty:** Manufacture's standard 5-year from date of plant shipment against defects in materials or workmanship. (Spring wire one year.)
- Installation:** C.H.I. Rolling Steel Doors shall be installed and adjusted according to C.H.I. assembly instructions by trained door service technicians.