

# MODEL S-2865

## STANDARD SPECIFICATIONS

**Approval:** (Florida Approval Number = FL 20399\_R2)

**Operation:** Doors to be manual push-up operation; chain hoist operated using gear or sprocket reduction and galvanized hand chain; awning crank using gears and removable handle; motor operated.

**Mounting:** To be interior or exterior face mounted on a prepared opening; interior or exterior mounted between jambs in a prepared opening.

**Work Not Included:** Opening preparation, miscellaneous or structural steel, access panels, finish or field painting, electrical wires, wiring, disconnect switches, mounting of controls, conduit are in the scope of the work of other sections or trades.

**Curtains:** Curtains shall be constructed of interlocking cold roll-formed continuous slats of galvanized steel or stainless steel. Steel slats available in 22 gauge material. Slats to be flat type galvanized or primed.

**Doors designed to satisfy windload of 65 PSF (150 MPH). Special windloads are available, consult factory.**

**Windlocks:** The ends of continuous slats shall be fitted with staple windlocks to act as a wearing surface in the guides and prevent lateral movement of slats.

**Bottom Bar:** Bottom bar shall consist of two flat bars of equal weight and size, one on each side.

**Counterbalance Shaft:** Roller shaft shall be of steel pipe of sufficient diameter to reduce deflection so as not to exceed 0.03 inch per foot of span. Springs are to be grease packed and are to be mounted on a steel inner shaft.

**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 plugs. Spring assembly designed for 20,000 cycle life standard. (Higher cycles optional.)

**Counterbalance Band Spring (Optional):** Consist of a flat blue steel spring wrapped around a 2" pipe shaft and mounted into a spring box of 8". Hot rolled A36.

**Bracket Plates:** Brackets shall be of minimum 3/16" thick steel designed to form an end closure support for the hood. Drive side of barrel to be provided with and fitted with self lubricating bearings or permanently lubricated sealed ball bearings.

**Guides:** Guides shall be roll formed consisting of 13 gauge galvanized steel of sufficient depth to retain curtain in place and under specified windload. Wall angles if needed minimum 1/4" thickness. Guides shall be attached to jambs, plumb and true by bolts of not less than 3/8" diameter.

**Hoods:** Hoods shall be 24 gauge galvanized steel (aluminum or stainless steel) formed to fit contour of end brackets in a neat manner and reinforced with stiffening rolls at top and bottom edges. Intermediate hood support furnished as required.

**Locking:** Slide bolts on bottom bar for manual push-up doors and Chain hoist operated doors. Integral Gearing of motor operator to provide locking for door.

**Finish:** Non-galvanized surfaces (except bearings) shall be given one coat of factory applied rust inhibiting primer. Guides, Curtain slats and hood hot-dipped galvanized, per ASTM A-653, G-90, with baked epoxy primer and polyester finish coat in gray or white. Head plates shop painted black or gray. Bottom bars to be shop painted or galvanized. Powder-coating is optional.

## INSTALLATION

All Rolling steel doors shall be installed and adjusted according to SFRD assembly instructions by trained door systems technicians. Install bracing and supports as necessary to rigidly secure door operating equipment.

## WARRANTY

Provide manufacturer's standard one-year warranty from date of plant shipment against defects in materials and workmanship.