

# **ROLLING STEEL INDUSTRIES**

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## **SPECIFICATIONS OF INSULATED ROLLING STEEL DOOR**

1. **CURTAIN:** Curtain shall be constructed of polyurethane foam filled double wall interlocking steel slat panels. Each slat shall be cold roll formed from a single steel sheet of .024" thick coated steel to create a polyurethane foam injected tubular profile approximately 2.75" high and .83" thick. The ends of alternate slats shall be fitted with **nylon end locks** to maintain slat alignment and prevent steel-to-steel wearing and ensure long lasting smooth operation.
2. **GUIDES:** Guides shall be cold roll formed from a single galvanized steel sheet of .125" thickness to create a self supporting seven leg 4" wide x 3" deep steel guide. Both guides shall be fitted with removable bellmount curtain stops to allow smooth operation. Each guide shall be continuous from the bottom of the opening to the top of the opening and extend above the opening header to support the coil brackets. Guides shall fasten to wall or wall framing with adequate fasteners not more than 30" apart.
- 2A. **ALTERNATIVE GUIDES:** Fabricated from three cold rolled galvanized steel angles 8 GA thickness bolted together from a 3" wide guide.
3. **WEATHER SEALS:** Provide PVC clip on weather seal on each guide. At door head use 1/8" thick continuous sheet secured to inside of hood.
4. **COUNTERBALANCE/SPRING ASSEMBLY:** Door shall be balanced by adjustable steel helical torsion spring mounted on a solid steel shaft and housed in a structural steel barrel that connects to the door curtain. All bearings shall be greased sealed and self lubricating.
5. **BOTTOM BAR:** Bottom bar shall be constructed of one (1) custom roll formed galvanized steel section with optional vinyl or neoprene weather seal on lower edge. The custom bottom bar is designed to interlock with slat contour.
6. **HOOD:** Hood shall be constructed of 24 gauge galvanized or painted over galvanized steel formed to fit the contour of the end brackets.
7. **OPERATION:** The door can be operated by manual push-up operation (max. of 80 sq. ft.), manual pull chain, or electric motor.

***\*\*\*Any motorized door must be equipped with a reversing safety device.***