

# Technical Specifications ■

Unite® Rolling Door  
KI-62564 | 9/24/2013

## Unite Rolling Door

Unite Rolling Doors are offered with or without a jamb closure. Doors with jambs are shipped with a jamb post and a jamb rail (a receiver where the door can nest thereby providing additional privacy). Doors without a jamb closure simply over-lap the closing side panel.

### Sizes

Rolling Doors are offered in the following sizes:

- 36" w X 64" h** (monolithic door core)
- 36" w X 80" h** (segmented door core)
- 42" w X 64" h** (monolithic door core)
- 42" w X 80" h** (segmented door core)

The width dimension provided indicates the module opening that the door will span. The actual door is oversized to allow the door to over-lap the attachment panel. The actual size of the door is as follows

- 36" w X 64" h = 44.35" X 63.95"
- 36" w X 80" h = 44.35" X 79.95"
- 42" w X 64" h = 50.35" X 63.95"
- 42" w X 80" h = 50.35" X 79.95"

64" high doors are constructed with a single aluminum frame. 80" high doors have a 16" high segmented top section to correspond to a 16" high Unite stacking section.

### Door Construction

The rolling door is constructed with an aluminum rectangular frame and a polycarbonate insert. Frames members are bolted together at all four corners. The top two corners of the frame receive decorative aluminum corner caps which hide the corner brackets and fasteners. All frame components receive powder coat. Doors consist of the following components:

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- **Frame-** 6063-T6 aluminum extrusion measuring 1.5" X .75". All four sides use the same extrusion profile.
- **Top Corner Caps:** Machined aluminum measuring 1.5" X 1.5" X .75"
- **Core Insert:** .394" (10mm) thick semitransparent, fluted polycarbonate sheet offered in clear and opal.
- **Core Seal:** Extruded rigid PVC with a flexible PVC lip.
- **Frame Corner Brackets:** Formed with 11 gauge (.1196") cold rolled steel.
- **Wheels:** 2.5" dia. X .72" thick injection molded thermoplastic polyurethane w/ U.V. inhibitors.
- **Bumper Stops:** .75" dia. natural rubber.

### Attaching Trim Construction

All models of the Rolling Door require an attachment trim assembly. An extruded aluminum, end of run trim rail replaces the standard steel end of run trim. Door guide brackets are fastened to the top and bottom of the aluminum end of run trim. All exposed metal components receive powder coat. The attaching trim assembly consists of the following components:

- **End of Run Trim:** 6063 T-6 aluminum extrusion measuring 3.5" X .75" featuring a full length vertical slot that accepts 9mm dia. T-nuts that fasten the trim to the Unite panel frame.
- **End of Run Cap:** 6061-T6511 machined aluminum measuring 3.5" X .75" X .75"
- **Guide Brackets:** Formed with 11 gauge (.1196") cold rolled steel featuring self-adhesive felt pads that protect & dampen sound from the horizontal door extrusions during open and close action.
- **Bracket Side Blocks:** Thermoplastic polyethylene measuring .625" X .50" X 4.75" which allows the brackets to be adjusted up or down.

### Jamb Post Construction

Some Rolling Doors models include a jamb post assembly. No-jamb models do not require jamb posts. Jamb posts extend the closing intersection trim into the walk-way thereby allowing the door to close on a vertical receiver. A jamb rail or receiver is fastened to the jamb post which allows the door a place to nest providing addition light block and privacy. Three different jamb post assemblies are available, depending on the closing intersection condition. Closing intersection conditions

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include *in-line*, *90 degree* and *dead end*. Jamb post assemblies are available in either a 64" or an 80" height. All exposed metal components receive powdercoat paint finish. Jamb post assemblies consist of the following components:

- **Jamb Post Weldment:** All jamb posts are constructed with a two piece 18-gauge sheet metal weldment forming a rectangular tube. The tube contains a series of 3/8" X 18 threaded brass inserts (rivnuts). Overall dimensions for each jamb post tube are:
  - In-Line End of Run Post: 5.33" X 1.0" X 64/80"
  - 90 Degree Post: 3.5" X 5.33" X 64/80"
  - Dead End Post: 3.5" X 5.33" X 64/80"
- **Jamb Rail:** Formed with 18-gauge (.0478") cold rolled steel measuring 1.75" X 1.0" X (64" or 80").
- **Jamb Post Top Cap:** 6061-T6511 machined aluminum measuring 3.5" X 5.33" X .75".
- **Jamb Rail Top Cap:** 6061- T6511 machined aluminum measuring 1.75" X 1.0" x .75".

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