



Hoistway Construction-Entrance Only

Hoistway Entrances

Entrance Framing must be installed plumb and flush at all floors and held to dimensions shown on elevator hoistway drawings to ensure that the specified car clearances and alignments are met both vertically and horizontally at each stop. Prior to installation check to be sure that the hoistway is free of any projections that extend beyond the hoistway side of the entrance channels. Loads from the hoistway doors, associated equipment, and trucked loads are transmitted directly to the entrance framing. Entrance framing and attachments must be secured to the building construction. Contact EMS for specific transmitted loads.

Angle Sill Installation

Concrete Hoistways are typically constructed with rough door openings. An oversized recess for installation of the Angle Sill is required across the full opening width.

1. Determine center of door opening and verify finished floor height. Angle Sills are installed flush with finished floor and centered in door opening.
2. Set Angle Sills level and secure firmly in place to prevent movement during grouting.
3. Grout recess with non-metallic non-shrink grout to permanently secure.

Entrance Frame Installation

The Side Entrance Frame Channel Jamb is secured to the concrete floor using EMS provided Sleeve Anchors. Entrance Sills may extend into the hoistway up to 1/2". Entrance framing is welded at inside corners of door opening after all connections are made. Full grouting of entrance framing is required to make a complete solid connection behind jamb using a non-metallic non-shrink grout.

1. Refer to Elevator Layout Drawings to reference Clear Door Opening Width. Determine location and drill floor for 1/2" x 3" Sleeve Anchors. Erect Side Frame Channel Jamb aligning slots in clip angles with holes in floor. Position Side Frame Channel Jamb centered across Sill at Clear Door Opening Width.
2. Install and tighten supplied 1/2" x 3" Sleeve Anchors. (both ends)
3. Position Header Frame Channel at Clear Door Opening Height dimension shown on Elevator Layout Drawings.
4. Make bolted connections through welded clip angles on header and thru holes at top of each Side Jamb using supplied washers and 1/2" Nut to secure Header Frame Channel to Side Frame Channel Jamb. (both ends)
5. Check to make certain that frame is square and level and make any necessary final adjustments prior to grouting frame entrance.
6. Weld all inside corners of door opening where side jamba meet sill angle / header.

