

Guide Rail Installation Instructions



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Warning!

Before beginning the installation process, it is important to first familiarize yourself with these installation procedures by reading this manual in its entirety. In addition, please be sure to follow correct safety procedures, including wearing all appropriate safety equipment (i.e. safety glasses).

Directions

- 1 Choose the location for your guide rail. When used as a component of an automatic door system, refer to local codes and ordinances for proper size and positioning of guide rails. In the United States, refer to the current version of the ANSI/BHMA A156.10 standard for power operated pedestrian doors. Place the guide rail as it will be mounted and use the holes in the guide rail foot and in the vertical portion that will be mounted to the wall as a template to mark the mounting surface for drilling.

Some guide rails accommodate optional accessories, such as wall switches and doorway holding beams. Some disassembly and reassembly of the rail may be required to mount these devices and route wires. Install these devices (see instructions below) and create any necessary wire passageways in the rail and/or door framing before mounting the rail in its final position.

- 3 Carefully place the guide rail in its final position and use the mounting holes as a template and mark the mounting surface(s) for drilling. Solid stainless steel concrete anchors are included with each Larco guide rail for fastening guide rail feet to the floor. Use a 3/8" diameter drill bit and drill down approximately 2" deep for each of the three anchors in each foot. If the mounting surface is not concrete, choose a fastener appropriate for the mounting surface and the expected stress to be exerted on the rail. The holes in the rail foot are approximately 13/32" diameter. If your Larco guide rail has a vertical mounting surface, #10-24 x 1" thread cutting screws intended for hollow metal framing are included. Use a 5/32" diameter drill for these mounting screws.

- 4 Clean out the anchor holes. Position the rail and tap the concrete anchors through the rail foot and into the mounting holes until the washer contacts the surface of the foot. Before tightening, align and loosely install other fasteners (if present and required). When you are satisfied with the position of the rail, tighten all fasteners securely. The concrete anchor will require two to three turns after the nut makes contact with the washer to expand the anchor and create a strong connection.

NOTE: Only use the anchors provided with your guide rail.

Miscellaneous Component Installation

Larco offers guide rails capable of accommodating a variety of miscellaneous components, including:

- Wall Switches
- Light Beams
- Card readers, biometric devices, and other security devices
- Guide Rail/Remote Post Combinations

To install these rail options, use the instructions above to mount your guide rail, and then follow the instructions that came with your miscellaneous component. Some Larco guide rails are designed to route device wires safely and effectively using the channel in the guide rail.



Larco guide rail with cutout to accommodate wall switches for automatic door activation.

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WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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