

# Assembly of Level Railing

Series 7

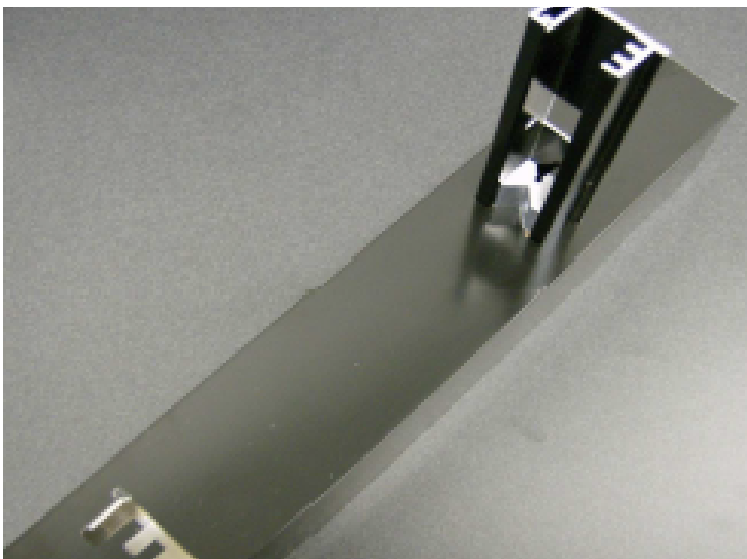
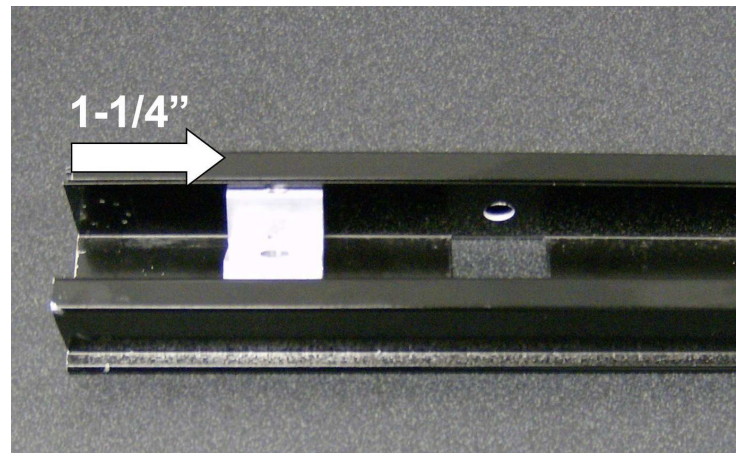


**CAUTION** – Before performing any work, be sure to refer to and follow all standard industry safety precautions. In addition, Superior Aluminum recommends that all Installers wear appropriate protective items, such as safety glasses, work gloves, and steel toed shoes, whenever performing work on Superior Aluminum, Inc.

## Shortening a Fence Section

When shortening a fence section, to meet Code Requirements, it is imperative that the gap between the last picket and the post is less than 4 inches. First, you must remove the rail wedges from the ends of all horizontal rails with a 1/8" Allen wrench.

Next, use a hacksaw or a cut off saw and cut to the required length. Remove any burrs from the sawcut. Finally, reinstall the rail wedges 1-1/4" from the end of all the horizontal rails.

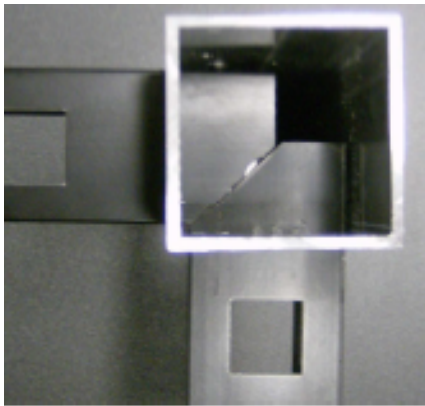
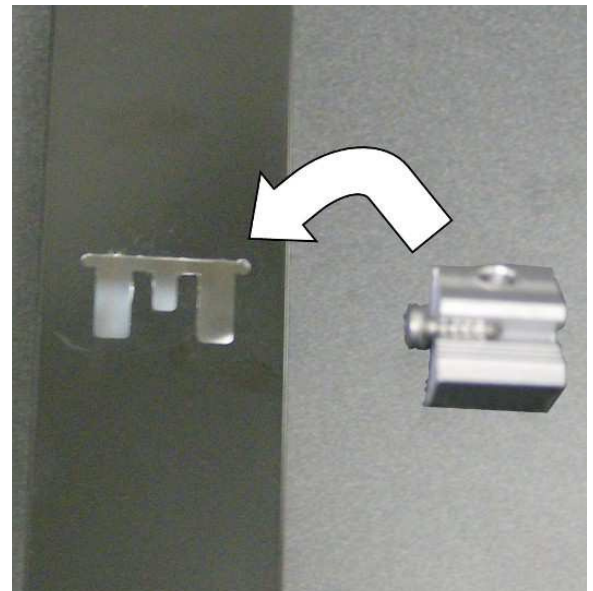


## Attaching to a Section Post

When attaching to a section post, both horizontal rails should be inserted into the post until the rail wedge beneath the horizontal rail hits the post wall. Follow this same procedure for each rail on the section post.

### Attaching to an End Post

When attaching to an end post, you must remove the rail wedge using 1/8" Allen wrench from the end of the TOP HORIZONTAL RAIL (bottom rail not required). Using the furnished wedge with screw, attach the rail wedge to the post by sliding the head of the screw into the middle groove of the cut-out in the post. The screw should have a slide-in fit between the rail wedge and the post. Finally, slide the horizontal rail through the rail wedge and into the post pocket 1-1/4". Tighten the rail wedge with the Allen wrench

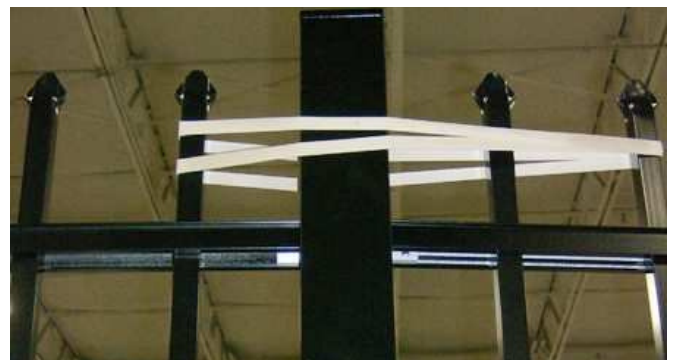


### Attaching to a Corner Post

When attaching to a corner post, the horizontal rails will need to be mitered. Measure 1 inch from the corner of the horizontal rail in each direction and mark. Draw a straight line between the two marks. Cut this triangle using a hacksaw or a cut off saw. Remove any burrs from the sawcut. Follow the same procedure for the rail wedges as explained in Attaching to an End Post.

### Assembling Railing Sections

When assembling railing sections to section posts, it is beneficial to hold each railing section in place with the furnished rubber bands (or a bungee strap) until the next post is attached. This will help prevent the railing section from sliding out of the section post before the next post is attached.



### Surface Mounting a Post

The hole to be drilled in the platform should be angled. The diameter of the fastener used must be a minimum of 3/8 inch. The exposed fastener and washer should be stainless steel. Two drilled holes (one on opposite sides) are required for each post.

**CHECK APPLICABLE STATE, LOCAL AND FEDERAL BUILDING CODES FOR SPECIFIC FASTENING REQUIREMENTS**

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ALUMINUM PRODUCTS