

Railing Experts Installation Guide

Step 1 – Determine the location of each posts

Secure each post loosely using a suitable fastener that meets your local building code. Post spacing should not exceed 6' for glass railings and 8' for picket railings.

- Pro Tip – Use only 1 or 2 fasteners for each post so you have some wiggle room. You will need that wiggle room to slide in the top rail. Once all the top and bottom rails are installed, go back and fasten the rest.

Step 2 – Install rails

Measure the distance between the posts at the base of the post. Deduct $\frac{1}{2}$ " from this measurement and cut the rails. Install the top and bottom railing into the posts. Level all posts and install the remaining fasteners to secure the posts. Fasten rails to posts using the #10 x $\frac{3}{4}$ " screws. Drill $\frac{3}{16}$ " diameter weep holes in the bottom rail every 24".

- Pro Tip – Mount your ends and corners first. Run your measuring tape at the bottom from posts to post. Deduct $2\frac{1}{4}$ " (width of the line posts) for each line post in that run. Divide that number by the number of sections. Deduct $\frac{1}{2}$ " from that number. The number you are left with is the cut for each top and bottom rail in that run. You can go ahead and precut all those rails. Please double check your math if you are using this method.

Step 3A – Picket installation

Starting at one end of the section, snap a spacer into the top and bottom rails. Insert a picket tight to the spacer. Repeat this process until 3 pickets are left to install. Install the last 3 pickets as a group, spread the pickets and snap on the remaining spacers. Cut the last spacer to fit.

- Pro Tip – Once you get to the end of the run, you can adjust all the pickets/spacers, so you have the exact same opening on either end of the run. You will have to go back and remove the first spacer in that run and cut it down to achieve the required spacing.
- Pro Tip – Another option is to leave the 4" spacer on one end and the cut spacer on the other end. If your doing this method, it would be a good idea to start the next section with a cut piece and work your way to the end which should be a full 4". This way you have the same air gap on either side of the posts.

Step 3B – Glass installation

Insert the glass gasket into the top and bottom rail. Place a rubber block on each end of the bottom rail gasket 3" in from each edge of the where the glass panel will rest. Install the glass by first sliding the glass up into the top rail and then down into the bottom rail.

- Pro Tip – In a glass railing system, drill your weep hole after the glass gasket is installed.
- Pro Tip – Cut the bottom gasket the full run from edge to edge. For the top gasket, cut $\frac{1}{2}$ " shorter than the bottom. That way you have some flexibility if you need to adjust the posts slightly.

