

**Premium Vinyl Railing**

**Installation Guide**

# Premium Railing Installation Guide

## THE BEST CHOICE FOR STRONG & DURABLE RAILING SYSTEMS

Our exclusive manufacturing process ensures our vinyl railing will provide superior strength plus it is virtually maintenance free. This guide will help make your installation easy.

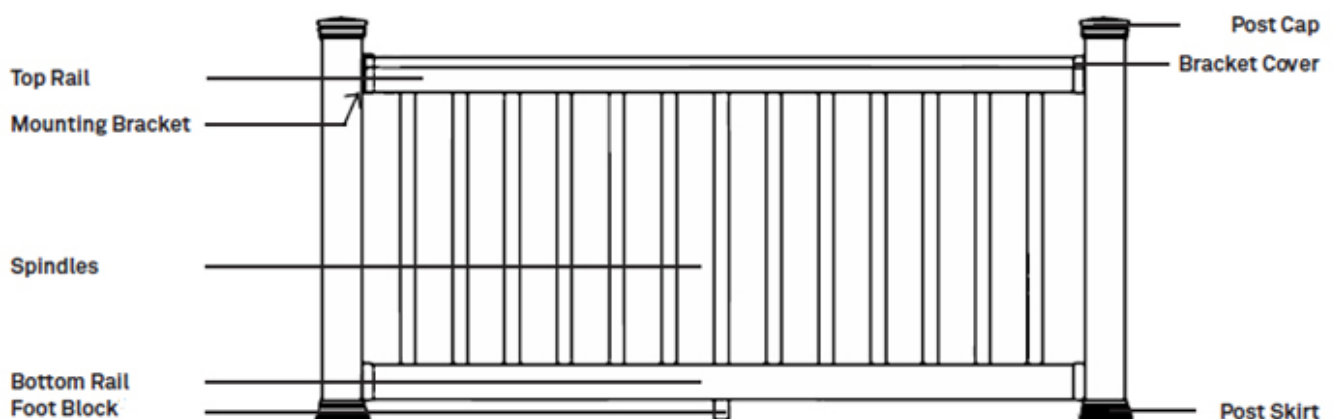
### Please note:

It is the responsibility of the installer to conform to local building codes and safety requirements. It is also the installer's responsibility to obtain all necessary building permits. All of our premium straight vinyl railing sections meet IRC and IBC codes.

The installer may need to modify the exact installation method to meet unique site requirements. The manufacturer shall not be held liable for improper or unsafe installations.

### Recommended Tools:

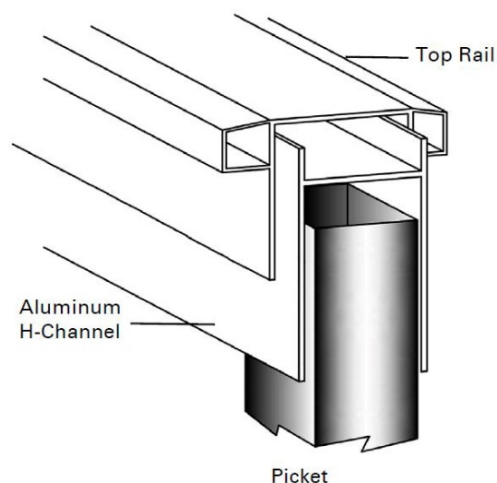
- Safety Glasses
- Level
- Tape Measure
- Miter saw with high tooth count carbide blade
- Rubber Mallet
- Power Drill
- Phillips Drive Bit



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## Installation Tips:

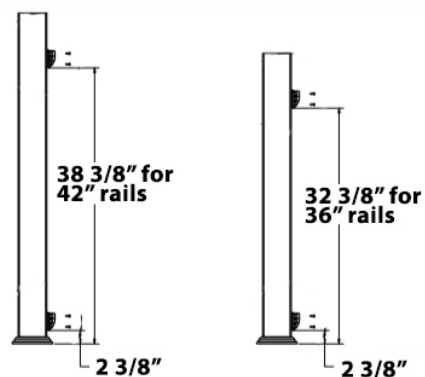
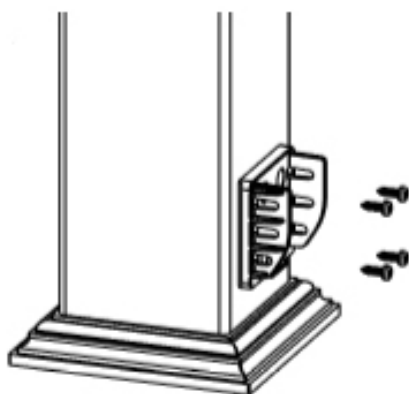
1. A miter saw with a high tooth count carbide blade can be used to slowly cut the vinyl and aluminum at the same time.
2. Before installing the rails, ensure the aluminum is seated into the vinyl rail properly. The large opening of the H-channel should face towards the pickets.
3. The bracket kits include two different size screws. The 1-1/2" screws are used to install the black mounting bracket to the post. The 1" screws are used to attach the rail to the black mounting bracket.
4. If you are using post mounts, install the mounts following the installation instructions that come with them.
5. The screws provided are self-tapping, but we recommend pre-drilling the holes.
6. To keep the brackets centered on the post, partially insert all four screws into the bracket before fully tightening each of the screws on the post. Do not overtighten the screws.



**Step 1: Install The Post** Slide the post sleeve over your existing wood posts or over post mounts (depending on your specific installation). Level and plumb each post. Be sure to slide the post skirt onto the post before installing the railing sections.

**Step 2: Secure The Mounting Brackets** Use the 4 #10 x 1-1/2" pan-head screws provided to secure the black mounting brackets to the sleeved post. If you are sleeving over wood, use #10 x 1-1/2" pan-head screws. If sleeving over post mounts, use the instructions provided with the mounts.

Secure the bottom mounting bracket 2-3/8" above the surface of the deck. Then, secure the top mounting bracket to the post. For 42" tall railing, install the mounting bracket 38-3/8" above the surface of the deck. For 36" tall railing, install the mounting bracket 32-3/8" above the deck.



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**Step 3: Measure And Cut the Top And Bottom Rails** Place the bracket covers on each end of the rails. Next, measure the distance between the posts to determine the width of your rails. Subtract 1/4" from each end of the rail to allow space for the mounting brackets.

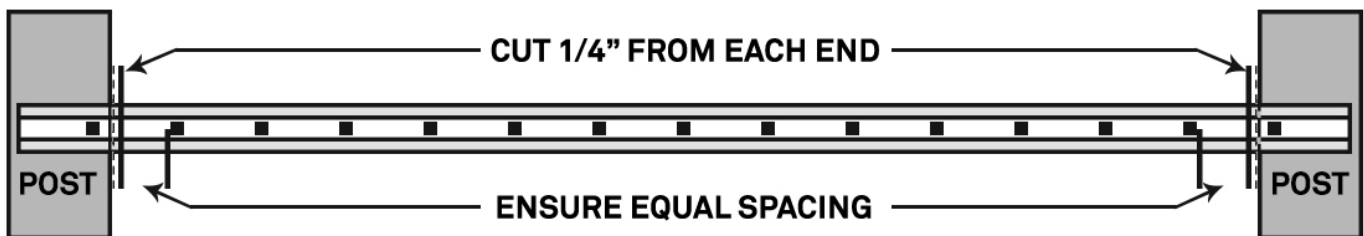
If you need to shorten the width of the rails, mark the rails, being sure to subtract an equal amount from each end. This will keep the pickets centered.

Example: If you have a 71-1/2" railing section and the space between the posts is 68", you will need to cut 2" off each end of the rail.

$$71 \frac{1}{2}'' \text{ (width of the railing)} - 68'' \text{ (space between posts)} + 1/2'' \text{ (space for mounting brackets)} = 4''$$

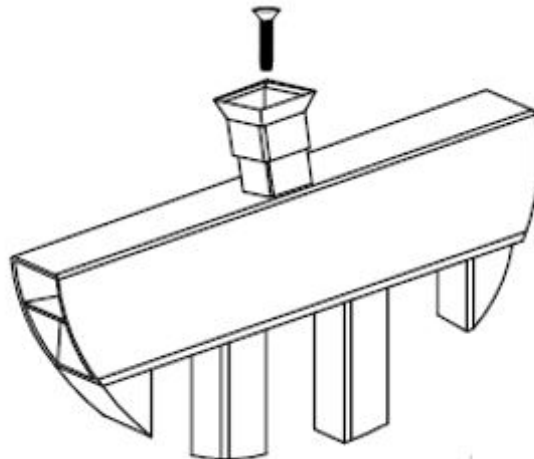
$$4'' = 2'' \text{ cut off each end of the rail}$$

If the cut mark is on a picket hole, adjust the position of your cut lines accordingly. Mark both the top and bottom rails to the same length and confirm that the picket holes line up before cutting the rail. Finally, slowly cut the vinyl rail and the aluminum insert to the same length.



**Step 4: Install The Foot Block** Screw the adjustable foot block onto the center of the bottom rail. DO NOT EXTEND THE FOOT BLOCK AT THIS TIME.

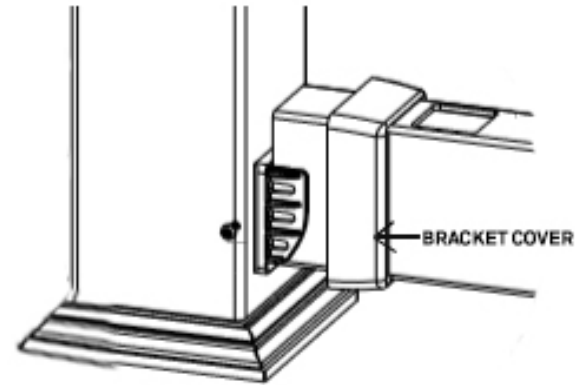
Note: A foot block is only needed in railing kits with vinyl pickets. Railing styles that have aluminum pickets do not require a foot block because they contain an aluminum insert in the bottom rail. 4', 6' & 8' wide railing sections with vinyl pickets require one foot block. 10' wide railing sections require two foot blocks.



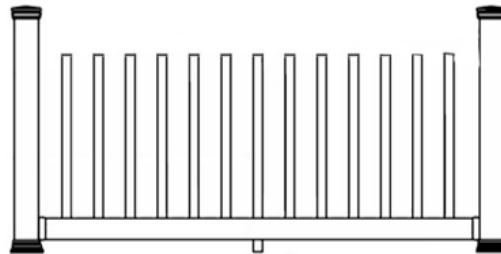
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**Step 5: Secure The Bottom Rail** Confirm that the bracket covers are in place on each end of the rail before placing the bottom rail into the black mounting bracket. Fasten a screw into the middle hole on each side of the mounting bracket using #10 x 1" pan-head screws. Be sure to position the screw as far away from the post as possible. The bottom rail will be approximately 2-1/2" above the surface of the deck.

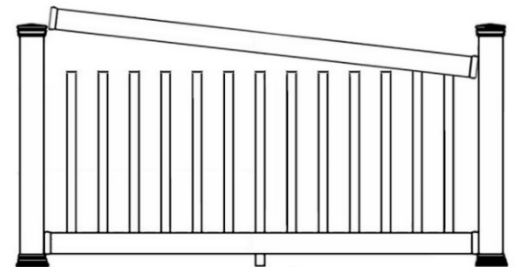
Next, snap the bracket covers into place over the mounting brackets. Then, extend the foot block until it is flush with surface of the deck.



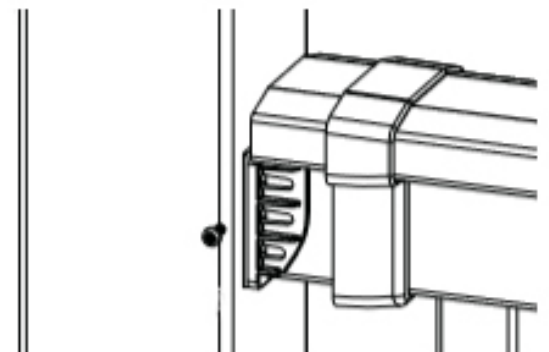
**Step 6: Install The Spindles** Next, insert the spindles into the routed holes in the bottom rail.



**Step 7: Slide The Top Rail Into Place** Slide the bracket covers onto each end of the rail. Ensuring the larger opening of the aluminum H channel is facing downward toward the pickets, hold the top rail at an upward angle, and slowly line the pickets up with the routed holes in the top rail while lowering the rail into place. Be sure to measure the distance between the top rail and the ground to ensure it is the intended 36" or 42" height.



**Step 8: Secure the Top Rail** Using the #10 x 1" pan-head screws provided, secure the black mounting brackets to the sleeved post. Fasten a screw into the middle hole on each side of the mounting bracket using #10 x 1" pan-head screws. Be sure to position the screw as far away from the post as possible. Snap the top rail bracket covers positioned in Step 7 onto place on the mounting brackets. Finally, place the post caps onto the posts.



**Note:** For 10' railing sections, fasten a screw into the top and middle holes of each mounting bracket. Extra screws are included.