

# Aluminum Railing

# Installation Guide

## THE BEST CHOICE FOR STRONG & DURABLE RAILING SYSTEMS

Our exclusive manufacturing process ensures our aluminum 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. The purchaser and installer should review the intended use of the products with a licensed professional engineer to determine code compliance. We shall not be held liable for improper or unsafe installations.

These instructions are guidelines and do not cover every installation scenario. Review all instructions before starting railing installation. The installer may need to modify the exact installation method to meet unique site requirements.

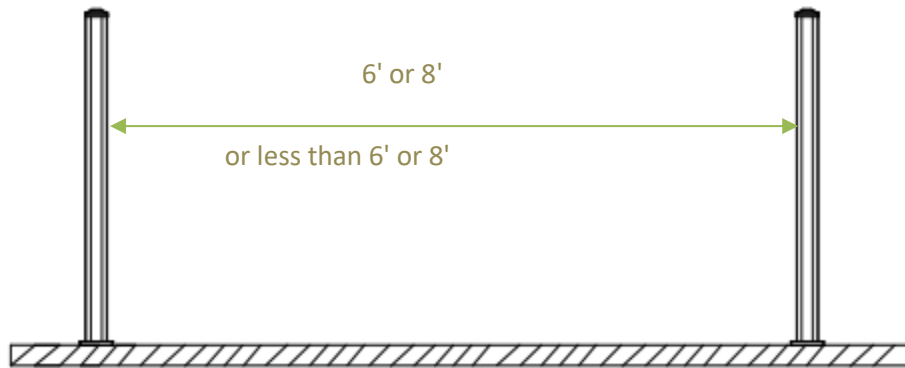
### Tools:

- Hacksaw or metal cutting saw
- Drill
- Drill bits 5/32"
- Screwdriver
- Measuring tape
- Level

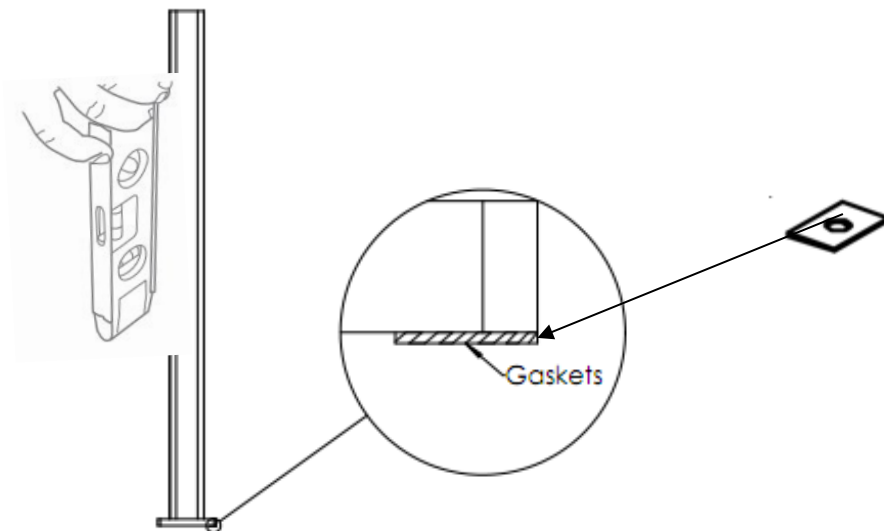
# Straight Railing Installation

## Step 1: Measure & Locate All Posts

1. Measure and locate all posts.
2. Choose the appropriate fasteners to fasten the posts according to local regulations.

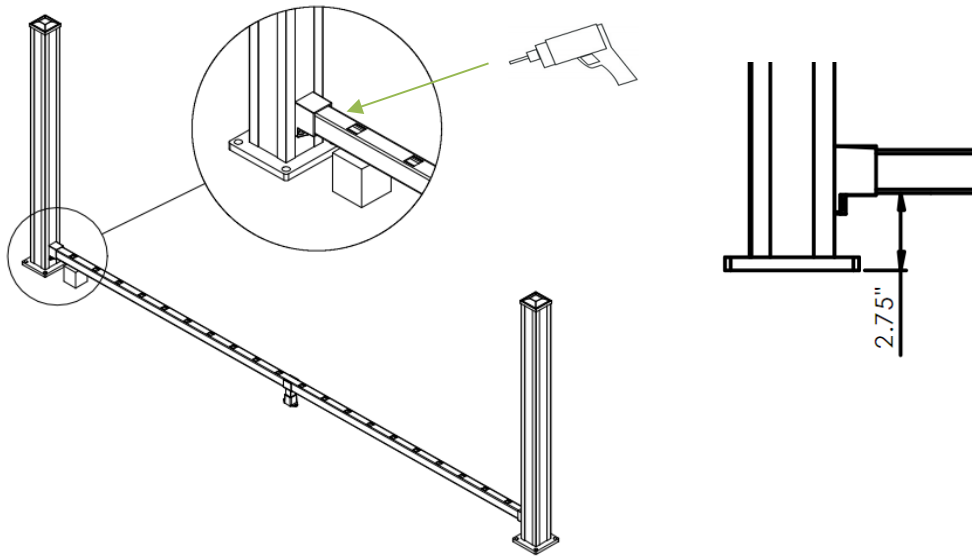


Note: The internal spacing between 2 posts is 6' and 8' or less than 6' or 8'.



## Step 2: Install bottom rail and bottom brackets.

1. Locate and install bottom rail support.
2. Cut bottom and top rail to fit between posts if necessary.
3. Insert the bottom rail into bottom bracket at both ends, then position the bottom rail between posts, secure the brackets on the post with 2 #10-1" screws.



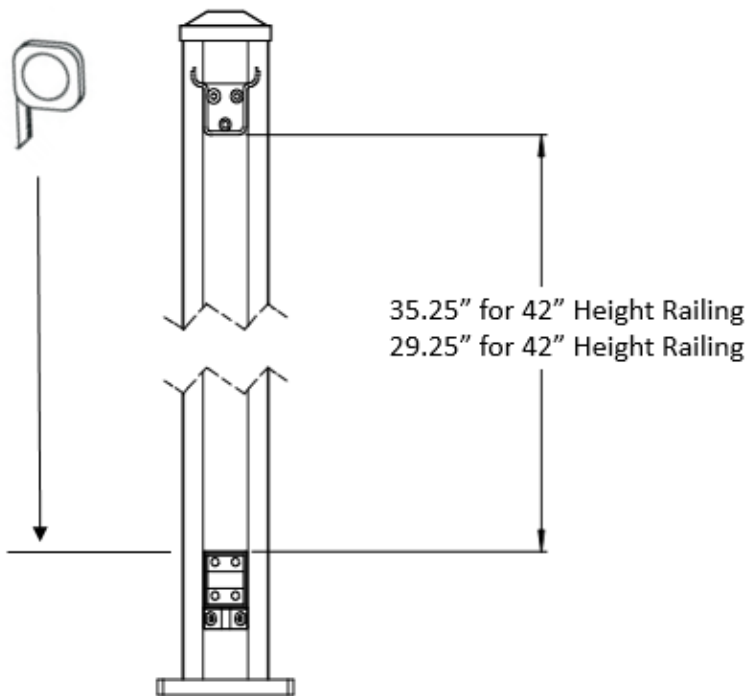
### Note :

- The space between the bottom rail to the ground is 2.75", use a 2.75" high piece of wood as a temporary support.
- Pre-drill a hole on the post to install the bracket.
- When cutting the top rail, subtract 5/8" from total measurement.
- When cutting the bottom rail, subtract 5/16" from each mark and cut both ends to make sure leave the same amount of space at each end.
- To ensure equal picket spacing at each post, cut first and last spacers to equal lengths.

## Step 3: Install top rail and top brackets.

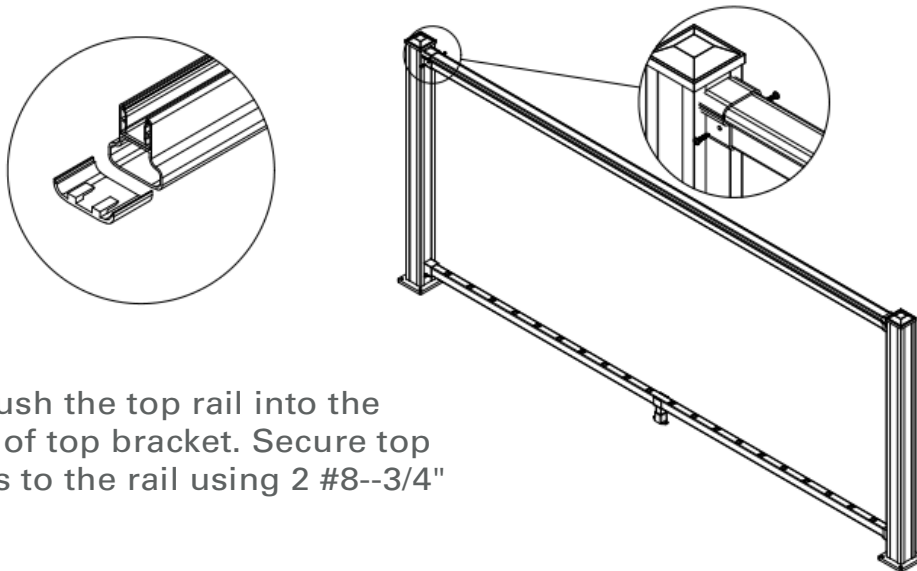
1. Position the top bracket based on the location of the bottom bracket.

Note: The brackets should be spaced 29 1/4" apart for 36" tall railing and 35 1/4" apart for 42" tall railing.



Note :  
Screw the top brackets into the post using 3 #10-1" screws.

2. Insert the bracket cover into each end of rail. Secure the top rail with top brackets.



Note: Push the top rail into the bottom of top bracket. Secure top brackets to the rail using 2 #8--3/4" screws.

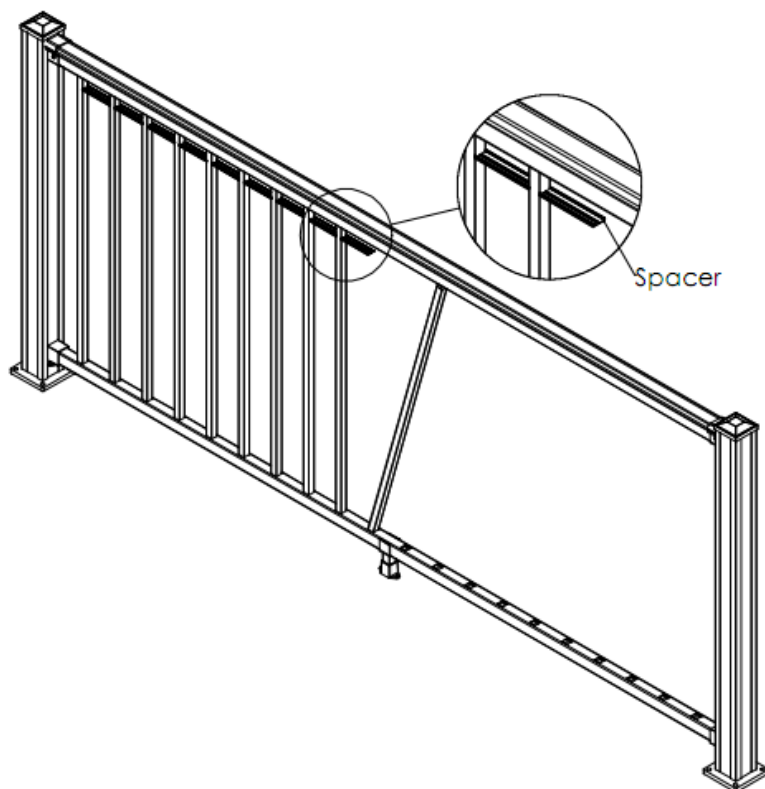
## Step 4: Install pickets and spacers.

1. Snap the spacer into place and insert pickets into top and bottom rail one by one as shown below.

**IMPORTANT:** Install the last 4 pickets as a group and adjust the distance between the pickets **BEFORE** snapping the last 4 spacers into place.

Note: The size of spacer for each rail end is different. (A special round label will be used to identify the end spacer.)

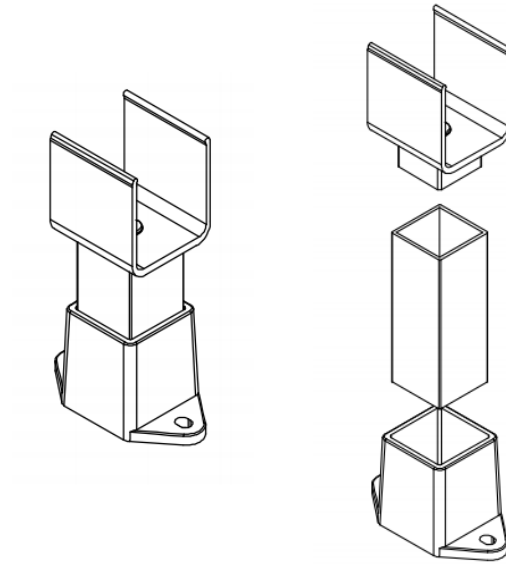
Cut spacers to fit the rails if necessary. To ensure equal picket spacing at each post, cut the first and last spacers to equal lengths.



## Step 5: Install the footblock.

1. Secure the 3-piece adjustable footblock into place. The middle part of the footblock may be cut to adjust the height as necessary.

Note: 2 footblocks are required for 10' railing sections.



Repeat steps 1-5 for each remaining section.