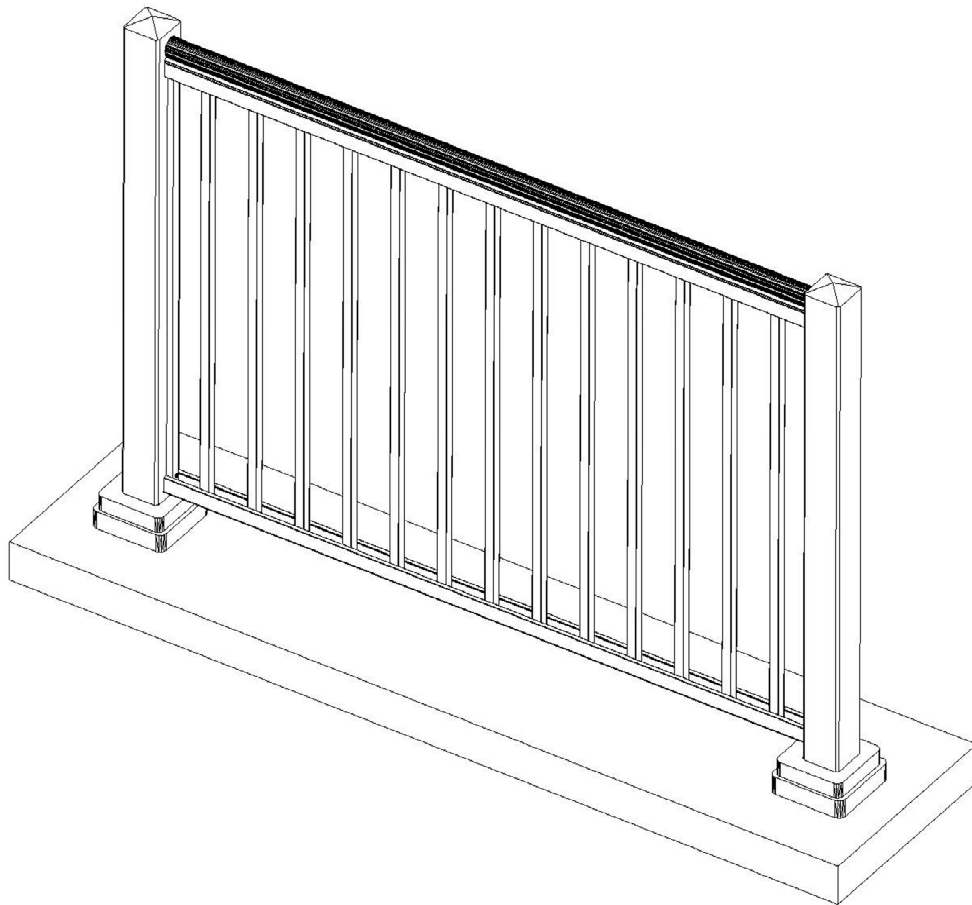




# **Aluminum Railing System**

## **Installation Instructions**



## **Purpose**

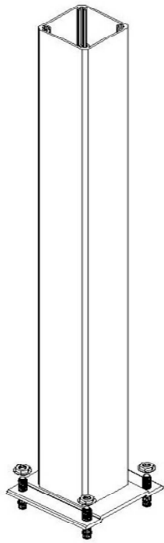
The purpose of this documents is to set out the required steps for the installation of Aluminum railing in order to ensure its optimal safety, performance and durability. This document is intended for use by skilled people engaged to carry out installation work for this Railing System kit. The installer shall comply with all local codes, and regulations applicable. It is the responsibility of the contractor and/or installer to ensure the Aluminum Railing System is installed in accordance with Alumiguard MFG installation instructions and all applicable building codes.

## **Recommended tools**

- Hacksaw or 10" Miter Saw with thin (Kerf) Blade
- Electric Drill
- Drill Bits size 9/64", 11/64", 1/8" and 3/16", 3/8"
- Hex Head Driver 3/8" and 1/2", Hex drive bit and screw driver bit holder
- Square Screwdriver bit# 2, Screw driver bits #2 Philips and a T-30 Allen (Socket) head bit
- Measuring Tape

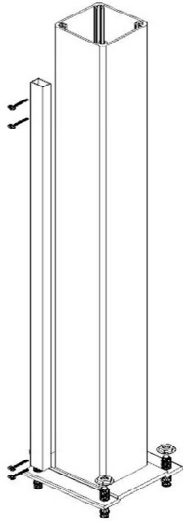
## **Two Posts Railing System Components**

- 1) Posts assembled with mounting flange (Qty. 2)
- 2) Handrail (Qty. 1)
- 3) Spindles (Qty.2)
- 4) Bottom rail Profiles (Qty.2)
- 5) Pickets (Qty.17)
- 6) Snap covers (Qty.4)
- 7) Cup for post (Qty.2)
- 8) Base mount ornaments (Qty.4)
- 9) Self-tapping screws #8 x 3/8 (Qty.34), #10x3/8 (Qty.8), #10x1 (Qty.8)
- 10) Anchor expansion bolts 3/8 KB3 for concrete (Qty. 4) or Lag screws 3/8 for wood (Qty.4)



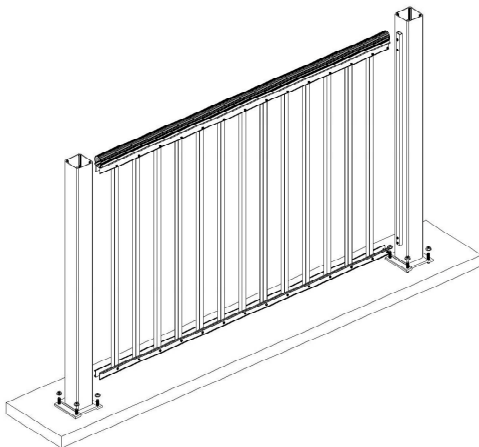
## Step 1

- Prepare posts and surface for installation.
- Supporting floor shall be capable to withstand the loads of railing system. Aluminum posts are supplied assembled with mounting flange.
- Take necessary measurements and mark the position of the posts to fit. Set post mount in place and mark four mounting holes.
- Posts spacing shall not exceed 72 inches
- Drill holes for the anchor bolts 3/8 KB3, or guide holes for 3/8 lag screws
- Secure loosely the posts to the structurally adequate surface.



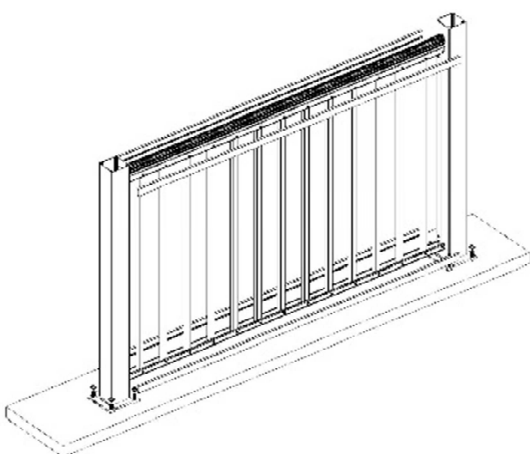
## Step 2

- Attach spindles to the post's inside face as marked position using 4 self-tapping screws # 10x1
- Distance from the floor to the spindle bottom end shall not exceed 3 ½ inches.



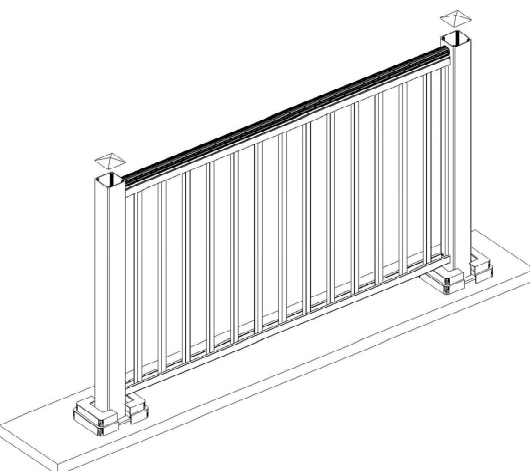
## Step 3

- Install preassembled handrail and bottom rails between the posts.
- Secure the handrail and bottom rail to the first post spindle, and second post spindle using self-tapping screws #10x1/2 on one side.
- Install railing plumb and true, square and straight, leveled and accurately to fit.



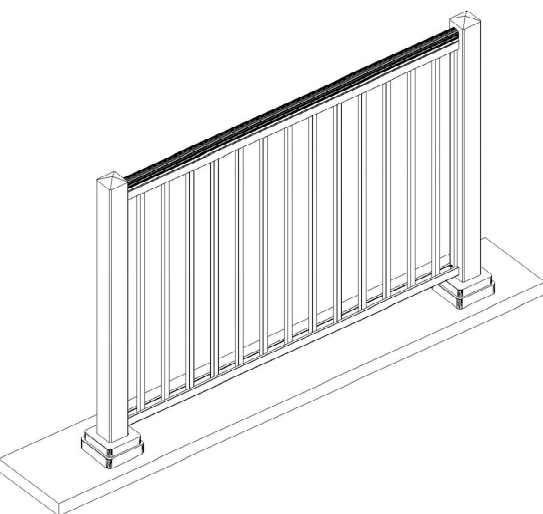
## Step 4

- Secure all anchor bolts or Lag screws 3/8 of posts mount to the final torque.
- Secure the handrail and bottom rail to the spindle on both sides using self-tapping screws #10x1/2.
- Inspect to make sure all fasteners are in place tighten to the final torque.
- Snap covers for fasteners at handrail and bottom rails on both sides.



## Step 5

- Snap in place the cup for the posts.
- Snap cover ornament for mounting flange anchor bolts



## Step 6

- Inspect to make sure railing is plumb and true, square and straight, leveled and accurately fit.

**Note:** Installers shall follow the latest National Building Code (NBC), and Ontario Building Code (OBC) and Alumiguard MGF specific installation instructions.