# Aluminum Railing Installation Guide 

## Product specifications Installation Manual



## This information in this guide will help you to...

- Better understand our product line.
- Give you guidelines for an easier planning process.
- Help make the installation easier..


## Know the regulations before planning your project...

In regard to the height requirements it's best to call your municipal town hall and your insurance company to find out what is required in different situations.

Examples as a general guideline...

No railing required quired Single Family


Passage way clearance for stair railings.

Main entrance Min 36"
Service entrance Min 30"

## General information for our Railing products and options...

All our railing are cut to length and pre-assembled as per your specifications including all the screws and accessories to ready for installation.


## Which screws for what application



Railing Adapter for wood columns


Post in cement floor


Post in aluminum floor


Planning your project...
Railing option configurations.


Standard Configuration
Spindles or Glass
Each section is divide by a post.


## Continual Handrail Configuration

Spindles or Glass
Intermediate posts are installed under the hand rail.


Standard Double Handrail Configuration Spindles or Glass Each section has an added handrail on top. Sections longer than 40" Will require 2 extended spindles per section.


Spindles or Glass
Another handrail is added.

## Extended spindle support

Sections longer than 72" inches require 1 extended spindle.


Spacing
Spindles are spaced at 3 15/16"

Space between the floor and bottom rail should be 3 15/16" (In Ontario 3")


## Glass Railing length

Maximum length for glass panel is 60'inches

Glass thickness 6 mm Tempered

Aluminum Panel Railings

All Railings configuration option can be made with aluminum intimacy panels.



Leave 0 " between the face of the post and the side of the steps.



Measuring between 2 fixed columns.

Validate that the columns are straight using a level

Take $1^{\text {st }} 4^{\prime \prime}$ off the floor
Take 2nd height of the railing $36^{\prime \prime}$ or $42^{\prime \prime}$ off the floor. Use the shortest length measured.


When ordering railings with attachment bars, a tight fitment can be challenging with fixed wood columns.

The columns must be perfectly straight and square to one another.


Another option would be to install posts between the columns.


Railings of 42 " and over require additional support. We use a Wall Bracket to solidify the Post and also serves as an additional safety measure.


## TIPS: Installing your project...

The following tips will apply to your installation.


TIP: Assemble all of your sections before bolting the post down to the floor.

This will allow you to reposition the railing if necessary.


TIP: Use 2 wooden Blocks $3^{\prime \prime}$ high as a spacer while assembling the railing.


TIP: Use adjustable clamps to properly secure the railing in place.

This will insure the railing is perfectly centered


TIP: Use caulking or silicone around the inside of the cap before installing.


TIP: The holes in the attachment bar are pre- drilled.

Use as many screws as there are holes


## I <br> Installing your railing step by step...



Step 2 Install the post on the opposite side.
 add 1 extra screw at the very top.


Step 3
Due to the slope in the balcony floor, you can start with a block but use a level for the railing


## Optional: Installing your railings step by step...



Step 4
Before completing the installation, you may cut the post on the slope side so that they are all the same height.

1. First measure the slope height at each post.
2. Then transfer that measure to the post on the opposing side and cut.


Step 5
Complete the installation of the section using the modified posts.





Install the post to the railing.




Installing your stair railings step by step...

As the railing is passed through the wrapping machine, the pressure of the wrapping will compress the railing therefore changing the angle.


SOLUTION: To remedy this issue, stand the railing up on its end and force downwards so the railing assumes its original shape,


IMPORTANT NOTE:
When attempting to install your angled railing on the steps, you may come across this issue where the angle on the railing is quite different than the angle of the steps.



NOTE: Keep a vertical space of $36^{\prime \prime}$ between the top edge of the step and the top of the railing if building according to the code.

## Step 2 <br> 

Place the intermediate post against the railing and mark a diagonal cutting line following the underside of the railing and cut the post.




## Step 3

Complete the installation of the last section and post.

Cut the post to the right height.

## Installing a gate...

2
 The top of the gate post should be
4 installed $1 / 4$ lower than the railing posts


For a gate with a width of 36 " the opening needs to be:


SHAPE THE FUTURE WITH ALUMINUM.

## Aluminum Glass Railing with Continuous Handrail



| 1 | Hand Rail | 8 | Post |
| :---: | :--- | :---: | :--- |
| 2 | Top Channel | 9 | Vis auto foreuse |
| 3 | Self Drilling Screw | 10 | Bottom Channel |
| 4 | Post Cap | 11 | Channel Cap |
| 5 | Spindle | 12 | Screw Cap |
| 6 | Attachment Bar Cap | 13 | Post Plate |
| 7 | Attachment Bar | 14 | Plate Screw |



## Intimacy Panel Assembly Instructions

## What's included in the box...



Required Tools

Hex Bit


Phillips Bit

Spirit level



Block of wood

The front post and the back will be assembled differently due to the slope in the floor.


STEP-1

Measure the height Of the slope at the Distance from the wall to the front post.


## STEP-2



FRONT POST: Screw the attachment bar to the post 4" off the bottom of the plate.



Make sure the post is level.

Install the back post 1 1/2" from the wall. post to stay level.


Screw the post into the floor.

Place the first panel at the bottom and screw it into its place.

STEP-5
Add the front post and screw it into place.


STEP-6
Insert the rest of the panels and screw them into place.



Clip on the hand rail

Clip on the screw cover using the mallet


STEP-9

Install the post caps


TIP: Use caulking or silicone around The inside of the cap before installing.

TIP: Use caulking or silicone
to seal the drilled hole.


Install the screw cap


## Intimacy Panel



