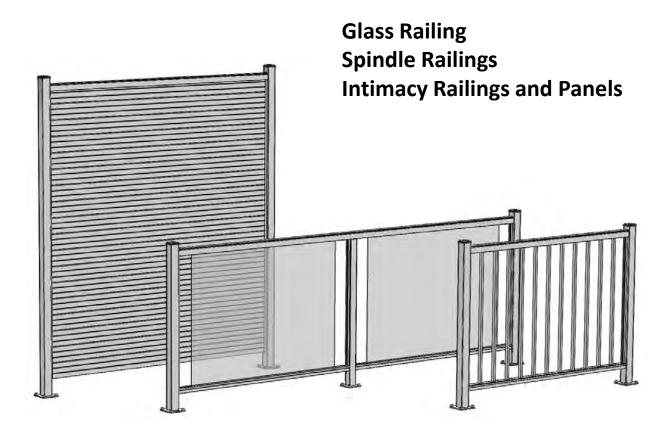
Aluminum Railing Installation Guide

Product specifications Installation Manual







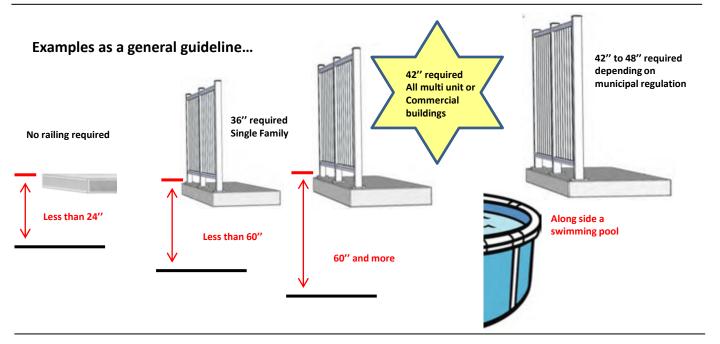
This information in this guide will help you to...

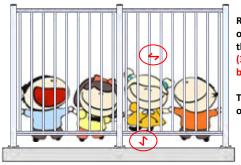
- Better understand our product line.
- Give you guidelines for an easier planning process.
- Help make the installation easier..



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.





Railings for Kindergarten or playground require the spacing of spindles (3") and the spacing between floor (3")

This will be a custom order.



Passage way clearance for stair railings.

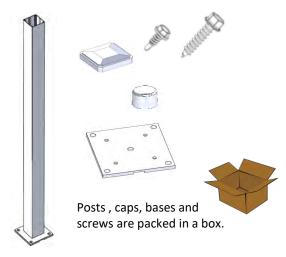
Main entrance Min 36"

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.



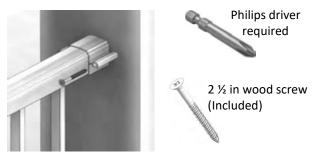


Which screws for what application





Railing Adapter for wood columns



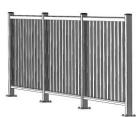






Planning your project...

Railing option configurations.



Standard Configuration

Spindles or Glass
Each section is divide by a post.



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.



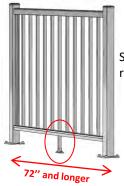
Continual Handrail Configuration

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



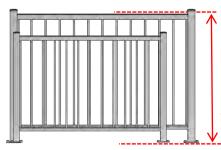
Continual Double Handrail Configuration

Spindles or Glass Another handrail is added.



Extended spindle support

Sections longer than 72" inches require 1 extended spindle.

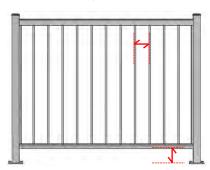


Standard Heights

36", 42", 48" 60"inches

Custom Heights

12" to 84"inches



Spacing

Spindles are spaced at 3 15/16"

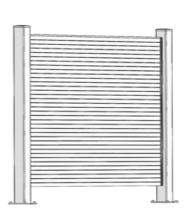
Space between the floor and bottom rail should be 3 15/16" (In Ontario 3")



Glass Railing length

Maximum length for glass panel is 60"inches

Glass thickness 6mm Tempered



Aluminum Panel Railings

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



Intimacy Panel

Standard size 72" x 60"

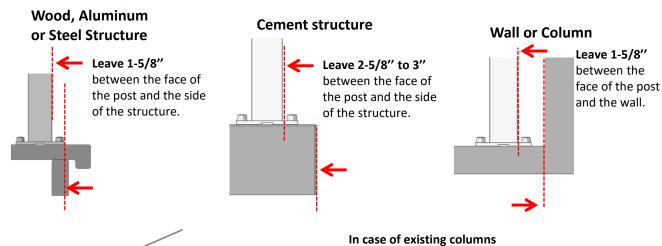
Custom Sizes also Available

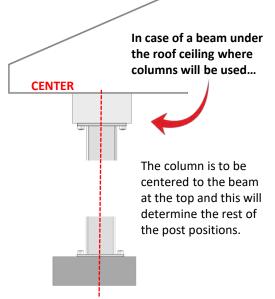


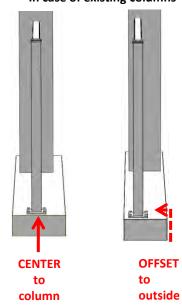


All about the offset spacing ...

Positioning you Posts and or Columns

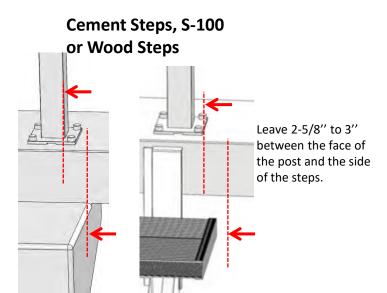


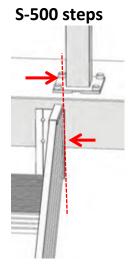




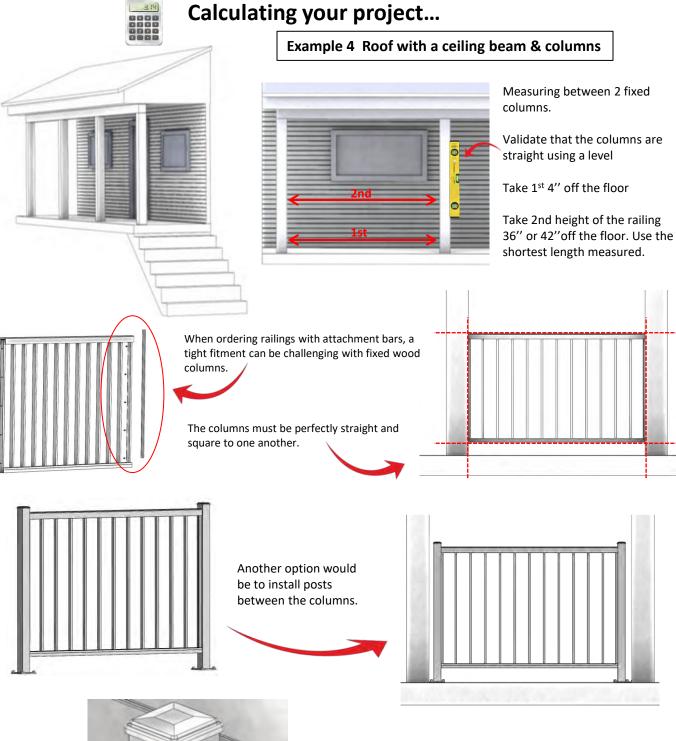
Existing columns will determine the position of the posts.

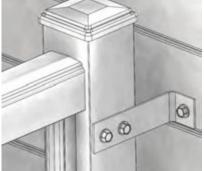
Normally the post and railing would be centered to columns but to gain more floor space the railings can be optionally moved offset to the outside.





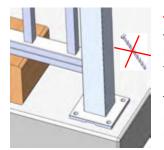
Leave 0" between the face of the post and the side of the steps.





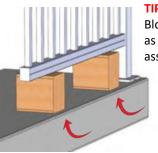
Railings of 42 " and over require additional support. We use a Wall Bracket to solidify the Post and also serves as an additional safety measure.





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" 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



TIPS: Installing your project...

The following tips will apply to your installation.

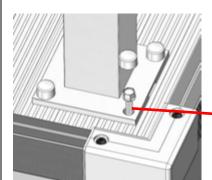






TIP: The holes in the attachment bar are pre- drilled.

Use as many screws as there are holes

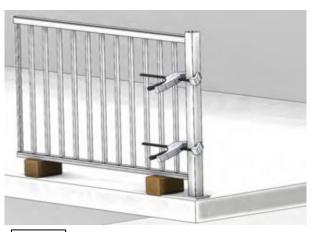


TIP: Don't force the screws too over tighten when screwing into aluminum flooring or steps.

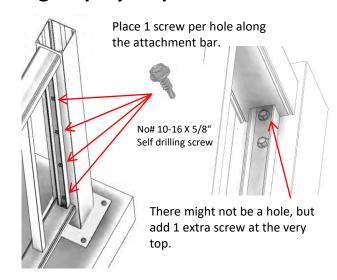


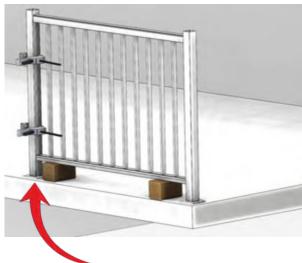


Installing your railing step by step...



Start assembling the railing to the post at the FRONT corner of the balcony.

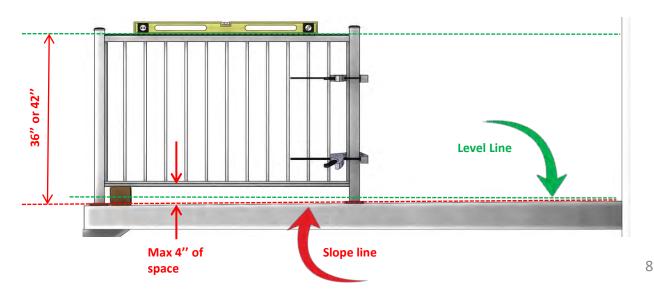




Step 2 Install the post on the opposite side.



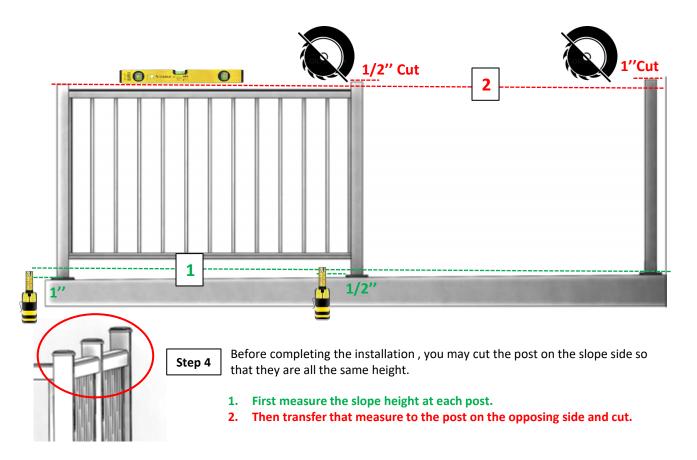
Step 3 Due to the slope in the balcony floor, you can start with a block but use a level for the railing

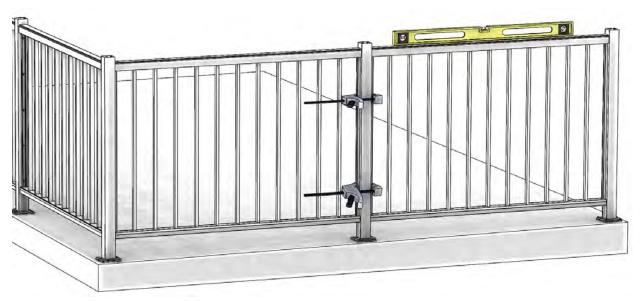




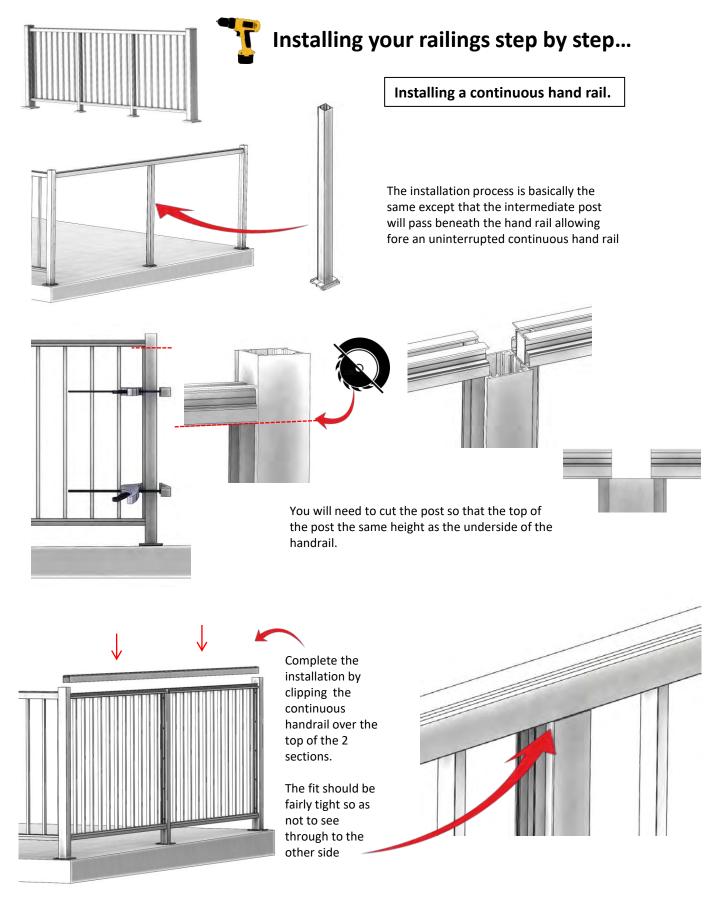
Step 5

Optional: Installing your railings step by step...

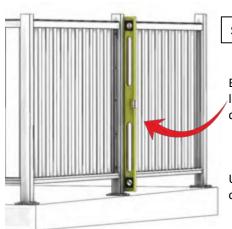




Complete the installation of the section using the modified posts.



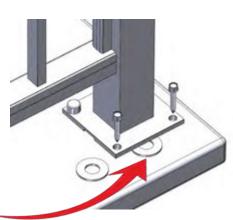


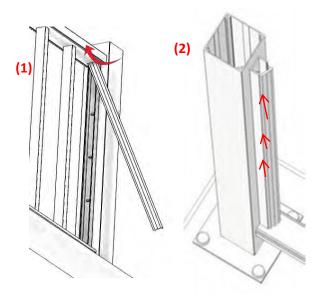


Step 7

Be sure that the post remains level as you tighten the screws down on the base.

Use washers or other material on hand to shim the base plate.



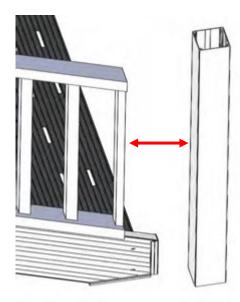


1. In th 2. Fi 3. U ha

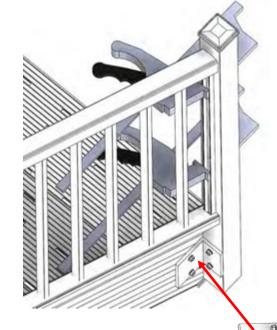
- . Insert the cap into the railing at the top.
- 2. Fit the clip in on one side.
 - Using a piece of wood and a hammer gently clip in the opposing side from top to the bottom.

Install the post to the S-500 stringer...



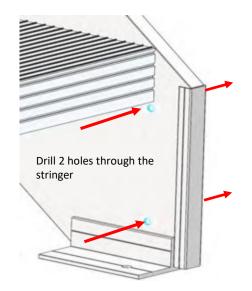


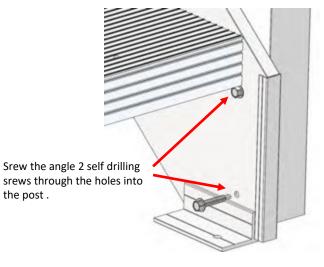
Install the post to the railing.



Screw the angle with 2 screws into the side of the stringer and 2 screws into the center of the post.

the post.





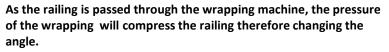
Installing your stair railings step by step...



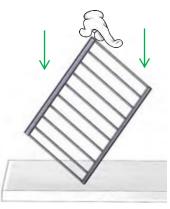
IMPORTANT NOTE:

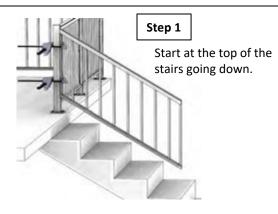
When attempting to install your angled railing on the steps, you may come across this issue where the angle on the railing is quite different than the angle of the steps.

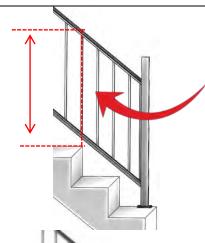
SOLUTION: To remedy this issue, stand the railing up on its end and force downwards so the railing assumes its original shape,



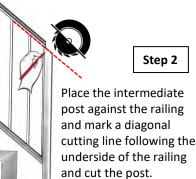








NOTE: Keep a vertical space of 36" between the top edge of the step and the top of the railing if building according to the code.





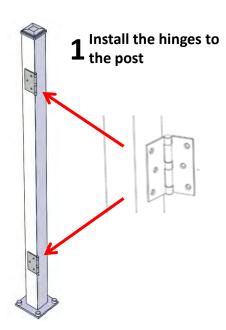


Complete the installation of the last section and post.

Cut the post to the right height.

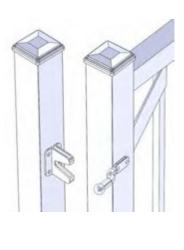


Installing a gate...

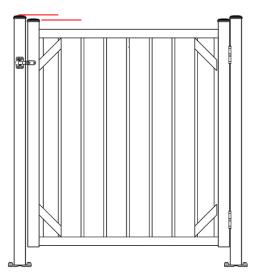






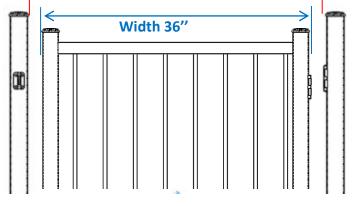


The top of the gate post should be installed ¼ lower than the railing posts



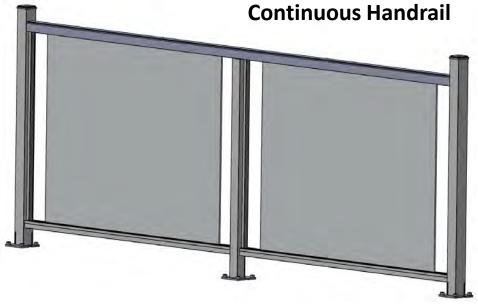
For a gate with a width of 36" the opening needs to be: Regular hinges 36-3/4"

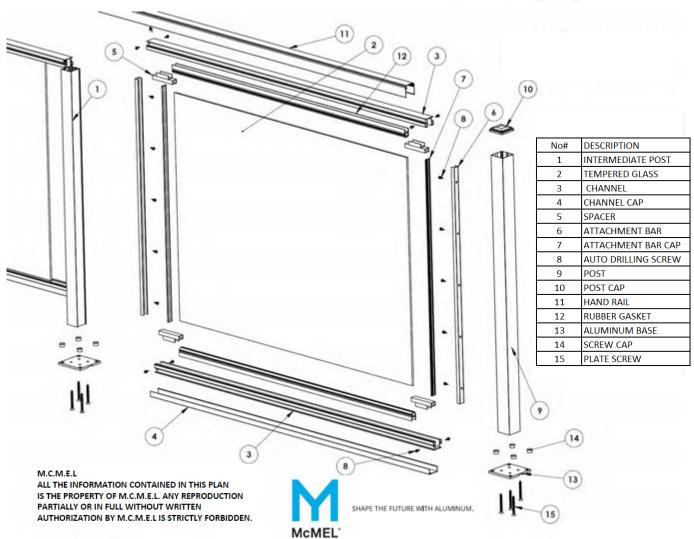
Pool Hinges 37-1/4"



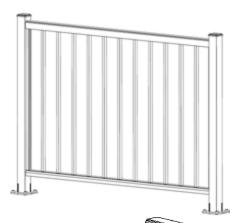


Aluminum Glass Railing with Continuous Handrail

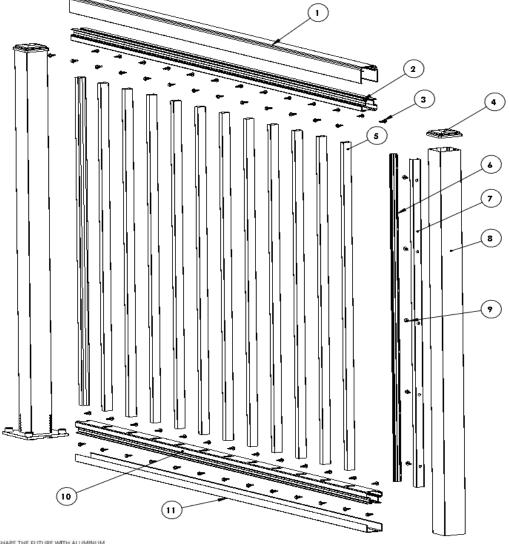




SPINDLE RAILING



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

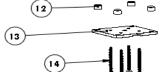


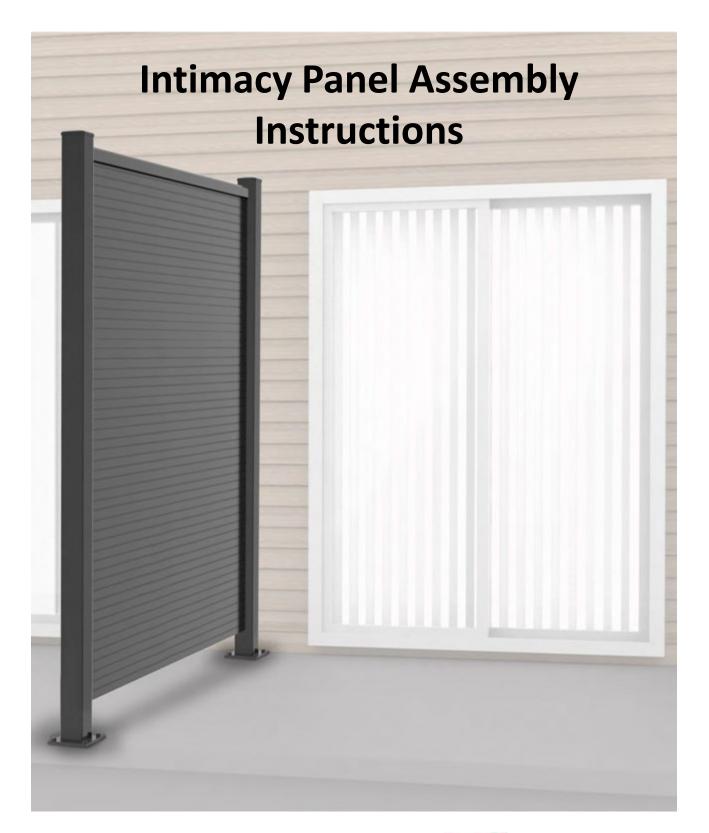


SHAPE THE FUTURE WITH ALUMINUM.

M.C.M.E.L

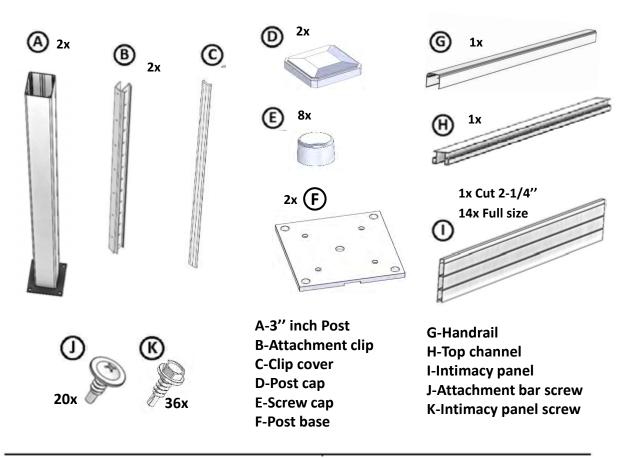
ALL THE INFORMATION CONTAINED IN THIS PLAN IS THE PROPERTY OF M.C.M.E.L. ANY REPRODUCTION PARTIALLY OR IN FULL WITHOUT WRITTEN AUTHORIZATION BY M.C.M.E.L IS STRICTLY FORBIDDEN.

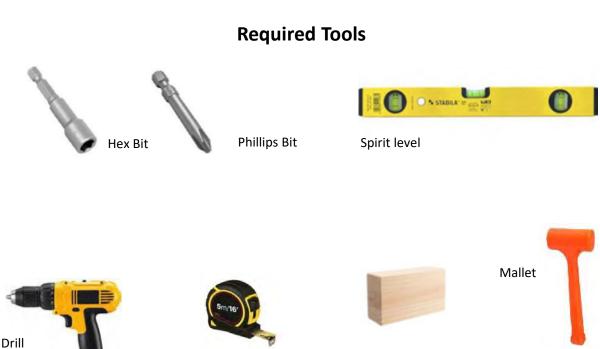






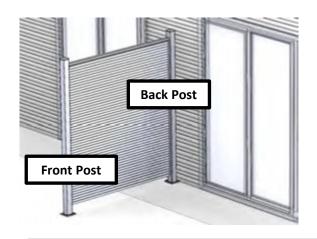
What's included in the box...



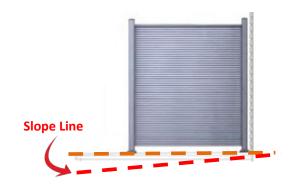


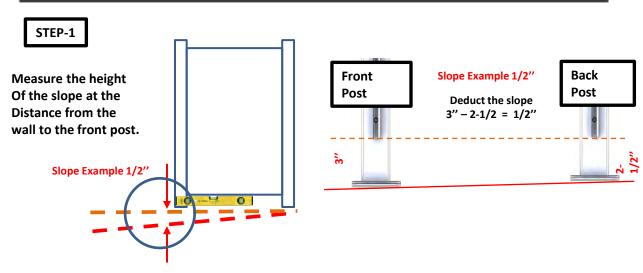
Measure tape

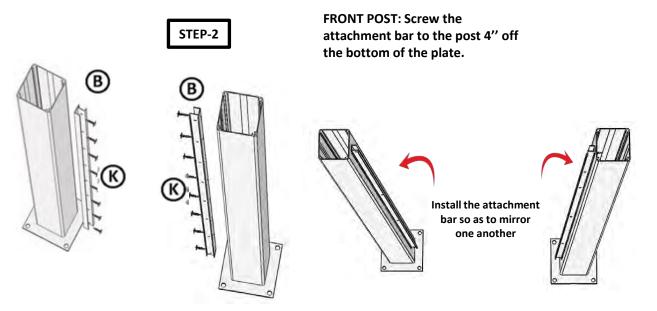
Block of wood

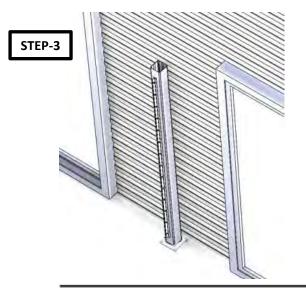


The front post and the back will be assembled differently due to the slope in the floor.









Make sure the post is level.

Install the back post 1 1/2" from

the wall.

1 1/2"

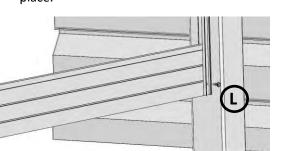
TIP* You can use washers to shim the post to stay level.



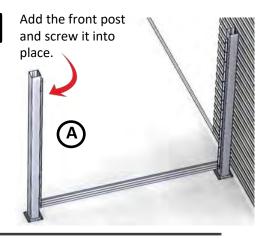
Screw the post into the floor.

STEP-4

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



STEP-5

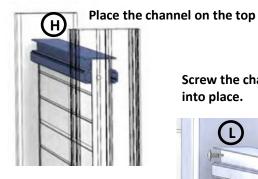


STEP-6

Insert the rest of the panels and screw them into place.



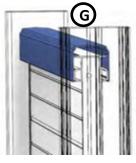
STEP-7

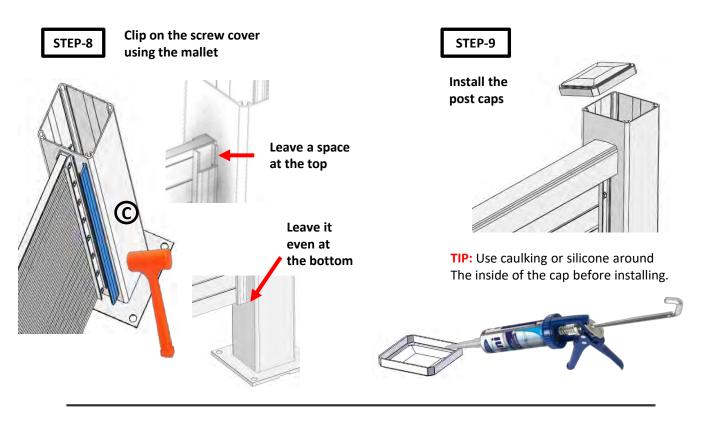




Screw the channel

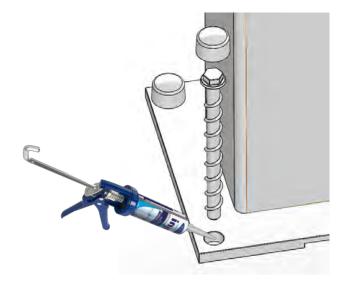
Clip on the hand rail



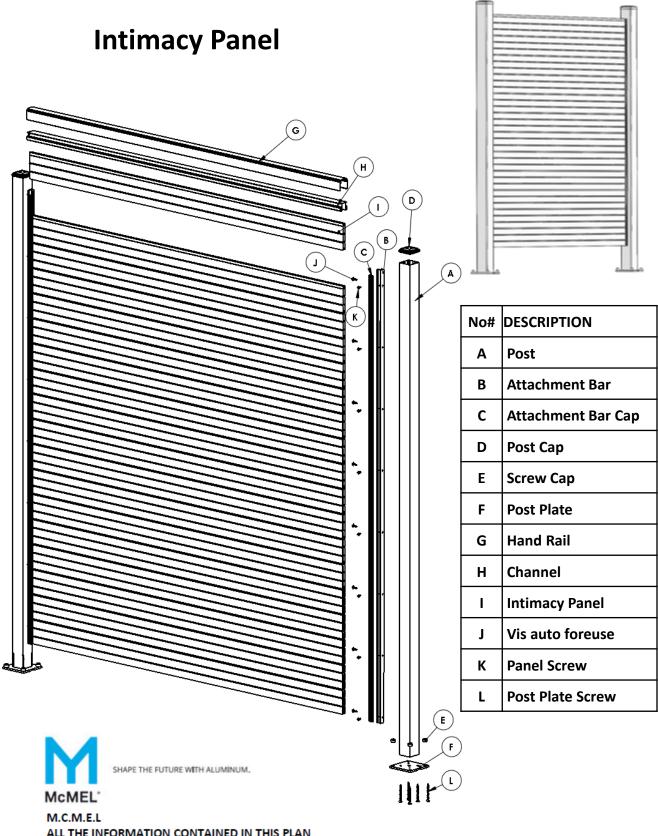


STEP-10

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







ALL THE INFORMATION CONTAINED IN THIS PLAN
IS THE PROPERTY OF M.C.M.E.L. ANY REPRODUCTION
PARTIALLY OR IN FULL WITHOUT WRITTEN
AUTHORIZATION BY M.C.M.E.L IS STRICTLY FORBIDDEN.