

AR400-EW Picket Straight Railing Installation Guide

TOOLS :

- Hacksaw or metal cutting saw
- Drill with Phillips tip
- Drill bits 3.5mm、4mm
- Measuring tape
- Level

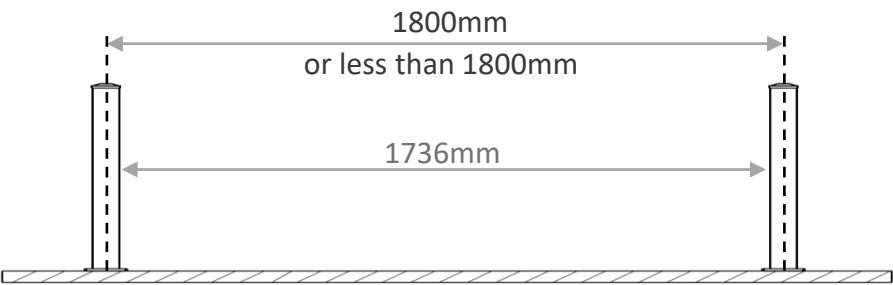
MATERIALS :

- Post Kits
 - Panel Kits
 - Brackets Set
- All fasteners are included with each component

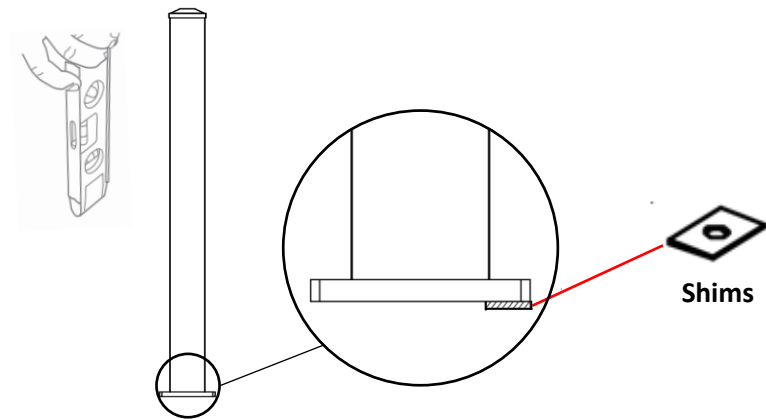
Straight Railing Installation

Step 1: Measure and locate all posts

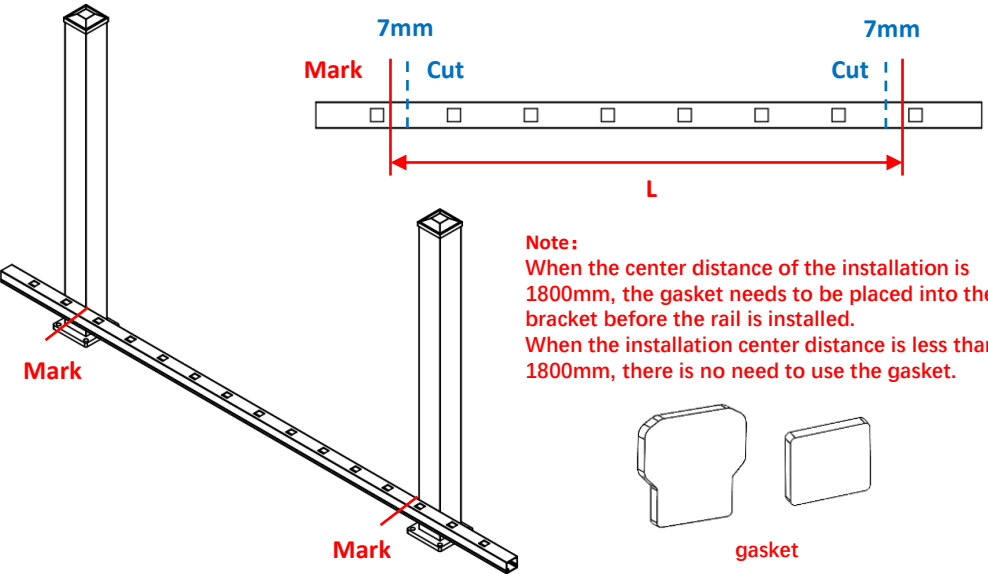
- 1.1 Measure and locate all posts.
1.2 Choose the appropriate M10. fasteners to fasten the posts according to local regulations. Ensure the posts are plumb. Use shims to adjust verticality.



Note:
The center spacing between 2 posts is 1800mm. or less than 1800mm.
(The internal spacing is 1736mm between 2 posts).

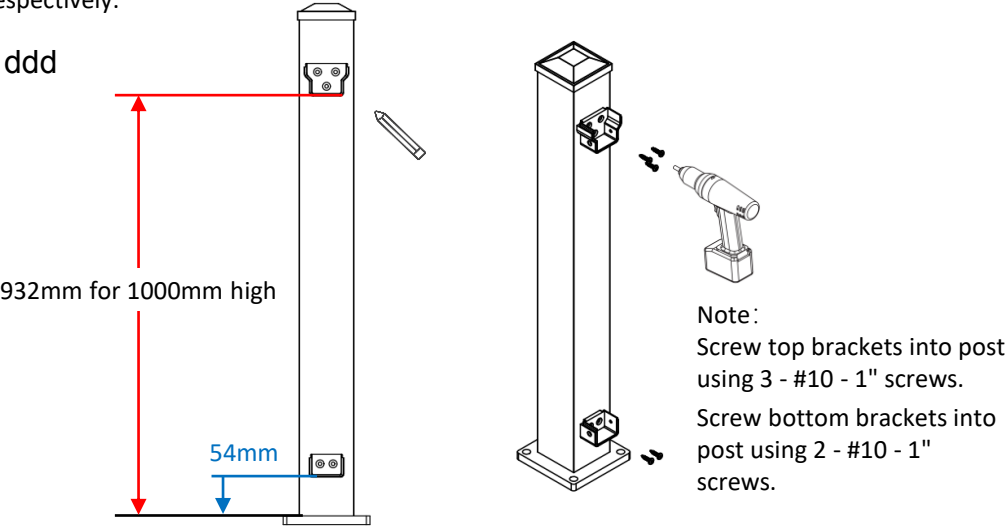


Note:
When the installation size is less than 1800mm, the rail needs to be cut. The length of the rail is the distance L of the column minus 7mm at both ends. When cutting, ensure that the distance from the holes at both ends of the rail to the edge is the same.



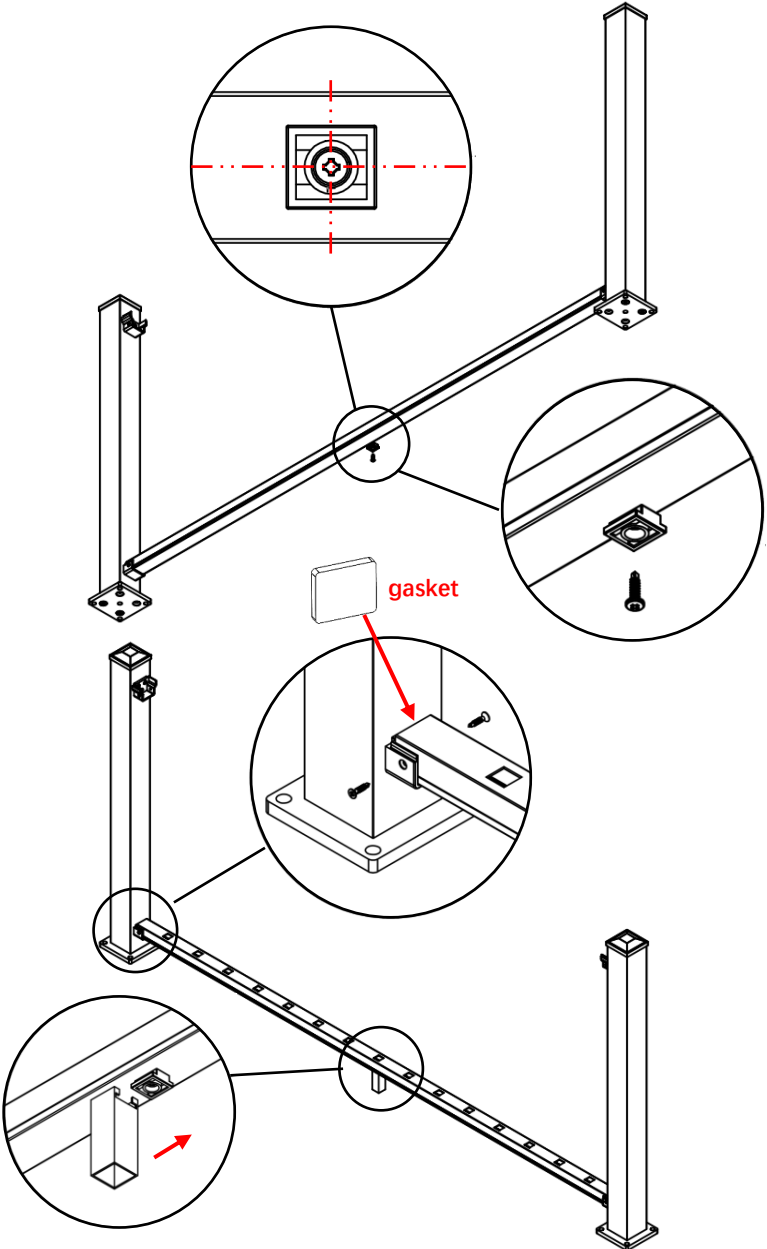
Step 2: Installation of bottom rail bracket base and top rail bracket base

- 2.1 Locate the bottom rail bracket and top rail bracket. The bottom of the bottom rail bracket is 54mm from the base plate, and the bottom of top rail bracket is 932mm to the base plate. Use a pencil to mark the posts.
2.2 Use a 4mm drill bit to pre-drill the holes of the bracket on the post, and then use #10 1" cross pan head drill tail screws to fix the bottom rail bracket and top rail bracket the post respectively.



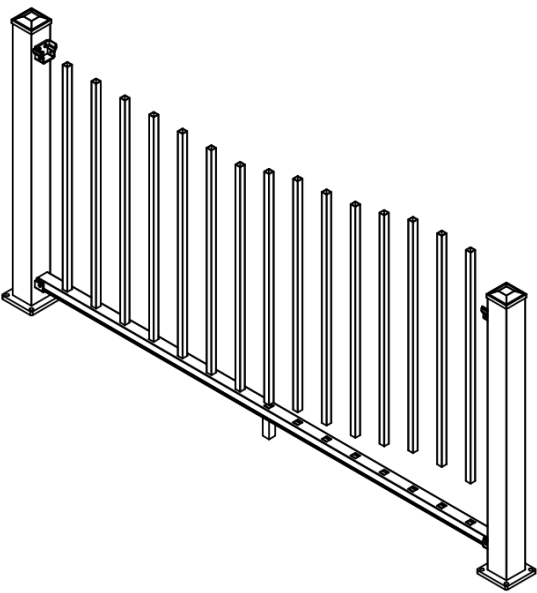
Step 3: Installation of bottom support connectors and bottom rail

- 3.1 First install the bottom support connector to the bottom rail with 1pc #10 3/4" pan head screw. When installing a 1800mm railing, the bottom support connector is installed at the center of the rail.
3.2 Install the bottom rail to the bracket, and use 2pcs #8 3/4" cross countersunk head drill tail screws to fix the rail and the bracket respectively. Then fit the bottom support to the connecting piece.



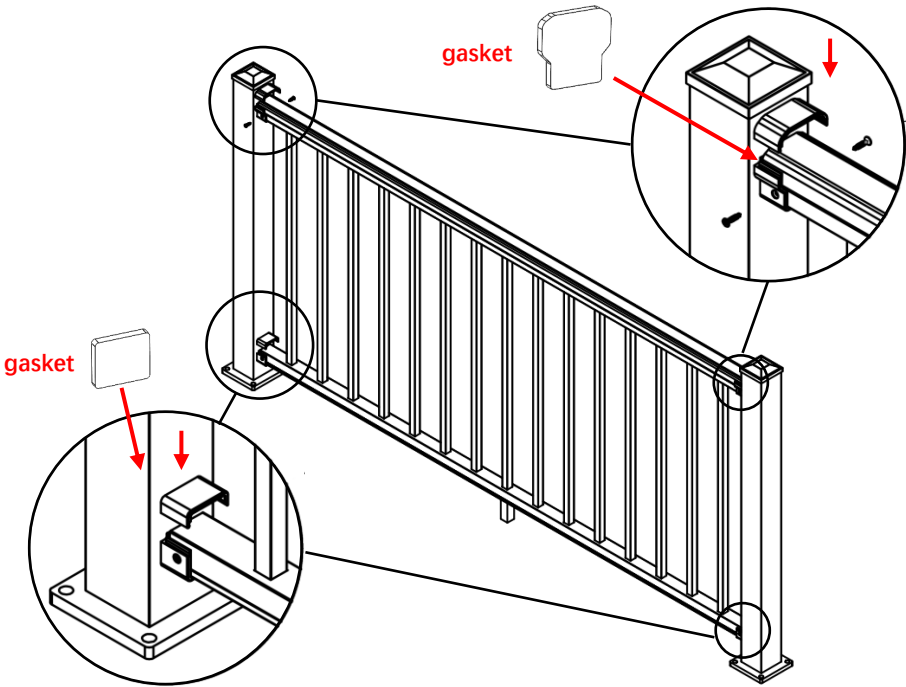
Step 4: Installation of picket

- 4.1 Install the pickets into the bottom rail respectively



Step 5: Installation of top rail and bracket cap

- 5.1 After the top rail and the pickets are fitted together, use 2pcs #8 3/4" countersunk head drill screws to fix the rail and the bracket respectively.
5.2 Fit the top rail bracket cap and bottom rail bracket cap to the bracket.

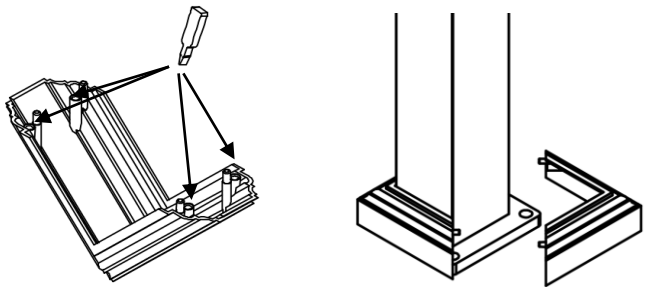


Install post cap and post trim

Post cap is pre-assembled onto your post. If loose use a plastic hammer or similar tool to make it tight.

Install the post trim after all other components are installed.

Install the post trim as following:
Drop the glue into the holes of post trim (Do not overflow.)
fasten the post trim and press it tight about 6 seconds.



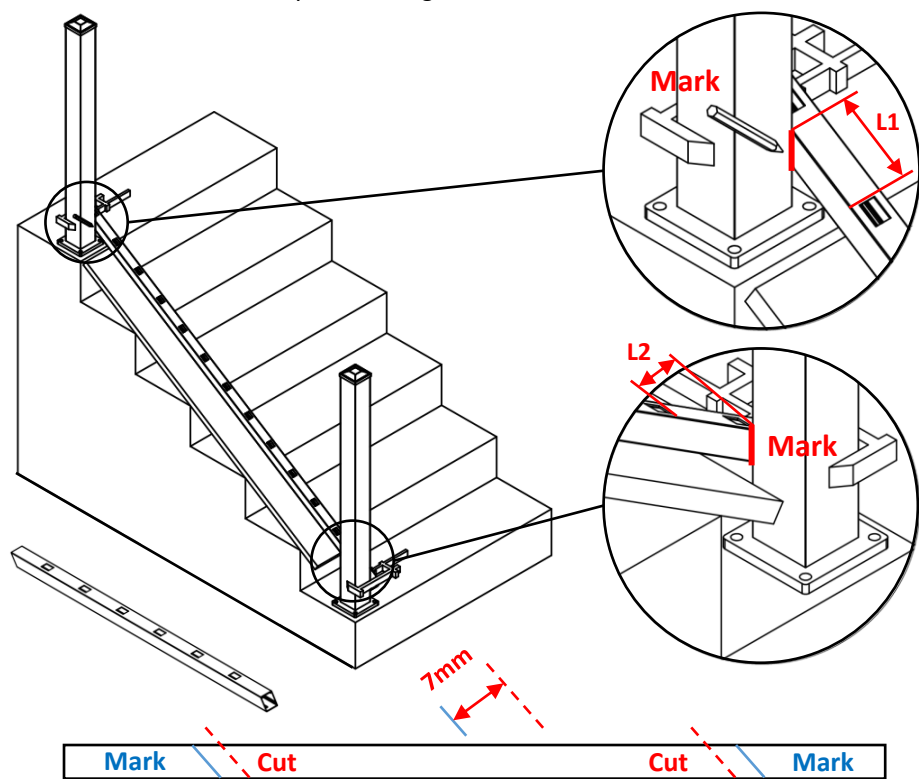
AR400 Picket Stair Railing

Installation Guide

Stair Railing Installation

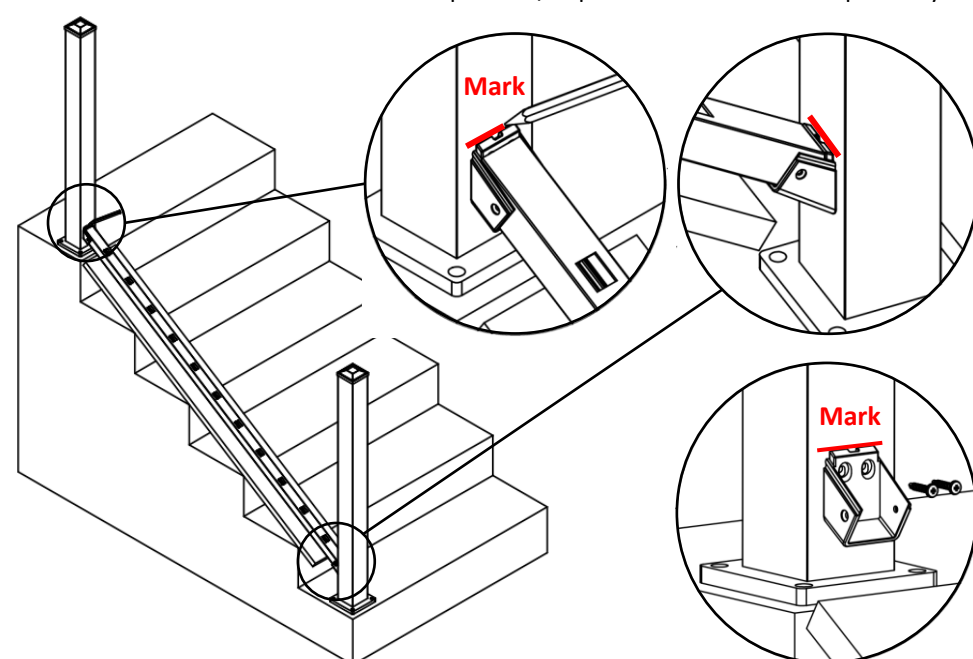
Step 1: Locating brackets, measuring the length of rail

- 1.1 Measure and locate all posts.
- 1.2 Choose the appropriate fasteners to fasten the posts according to local building code. Ensure the posts are plumb. Use provided shims to adjust verticality.
- 1.3 Use a 25mm thick board to place on the stairs. Place the rail on the board and then fix it to the post with a quick clamp. When clamping, try to ensure that the distance from the edge of the hole at both ends to the post is the same. Use a pencil to mark at the intersection of the rail and the post.
- 1.4 Cut the bottom rail down by subtracting 7mm from each end at the marked location.



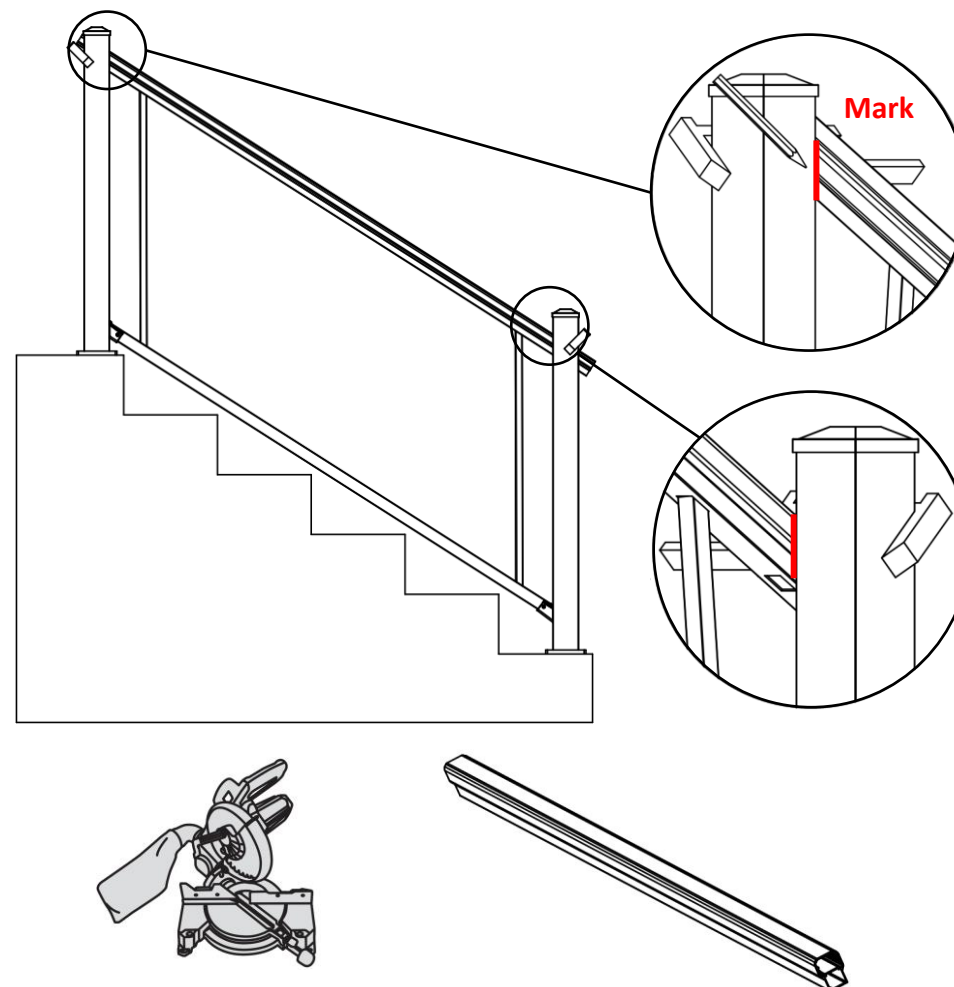
Step 2: Locating and installation of bottom rail bracket

- 2.1 Put the rail on the board, place the 2 bottom rail brackets at both ends of the rail, and use a pencil to mark the positions of them.
- 2.2 Use 2pcs #10 1" pan head drill screws to install the brackets according to the marked positions (when installing the lower post bracket, you may need to loosen the fixed post screws first to adjust the direction of the post).
- 2.3 Fix the bottom rail and the bracket with 2pcs #8 3/4" pan head drill screws respectively.



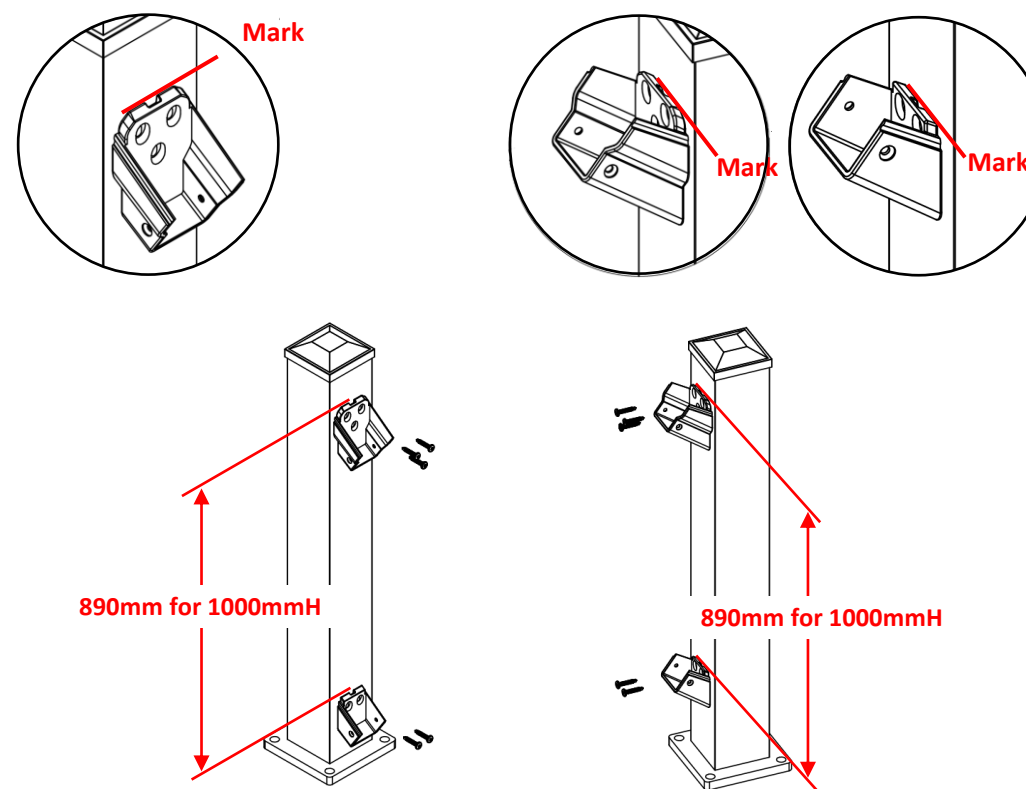
Step 3: Measuring and cutting the top rail

- 3.1 Install the pickets at both ends to the bottom rail. Adjust the top rail and the pickets so that the picket is parallel to the post, and use the quick clamp to clamp the top rail on the post.
- 3.2 Use a pencil to mark the rail.
- 3.3 Cut the top rail by following step 1.4, subtract 7mm from both ends of the marked position.



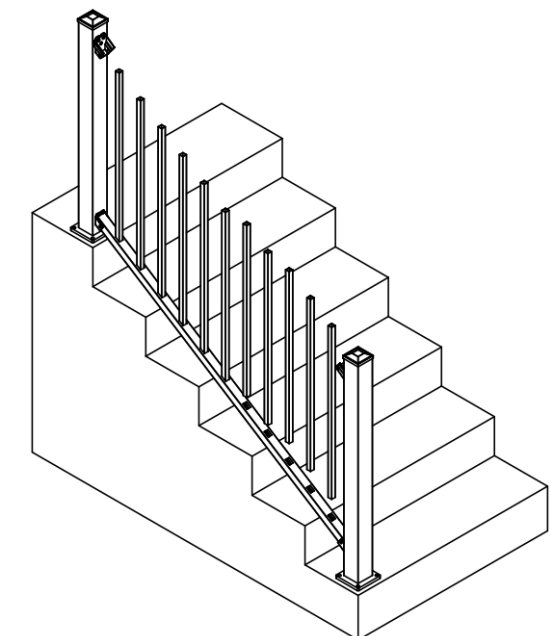
Step 4: Locating and installation of top rail bracket

- 4.1 Mark the position of the top rail bracket according to the position marked on the bottom rail bracket 890mm (1000mmH railing).
- 4.2 Use 3pcs #10 1" cross pan head drill tail screws to fix the top rail bracket according to the marked positions.



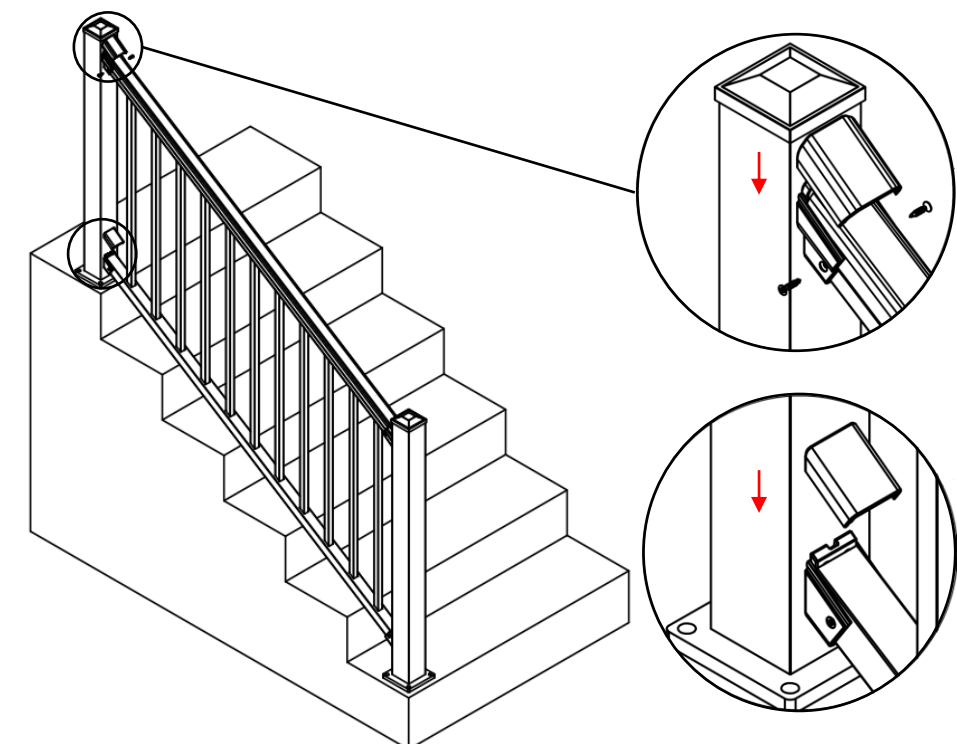
Step 5: Installation of picket

- 5.1 Remove the top rail and install all the pickets into the bottom rail.



Step 6: Installation of top rail and bracket cap

- 6.1 After the top rail and the pickets are fitted together, use 2pcs #8 3/4" countersunk head drill screws to fix the rail and the bracket respectively.
- 6.2 Fit the top rail bracket cap and bottom rail bracket cap to the bracket.



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Post cap is pre-assembled onto your post. If loose use a plastic hammer or similar tool to make it tight.

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