

AR400-EW Fascia Mount

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
- Fascia Mount Bracket

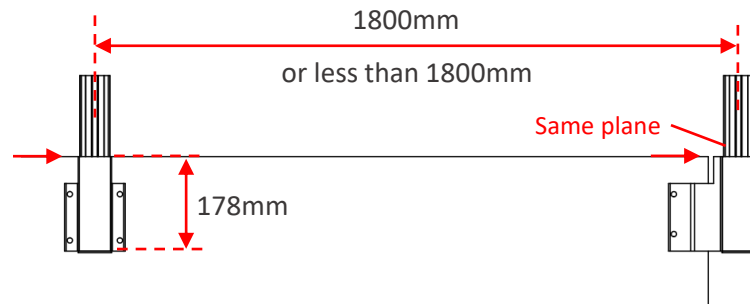
※ The side base does not contain fasteners for the fixed base and post and fasteners for the fixed wall panel of the base.

Straight Railing Installation

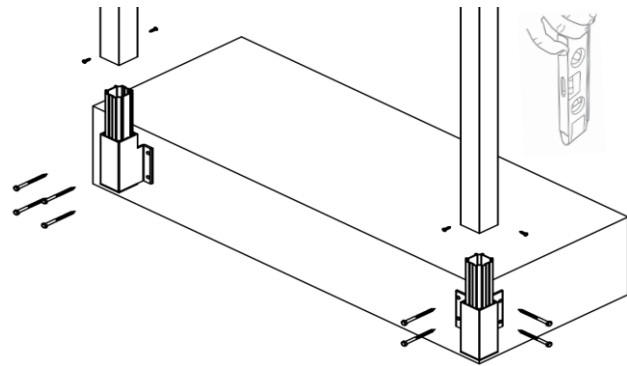
Step 1: Measure and locate all posts

1.1 Locating the base position, the distance between the center of the base is 1800mm or smaller than 1800mm. The distance between the bottom edge of the base and the floor plane is 178mm. Ensure that the post installation surface and the floor are on the same plane.

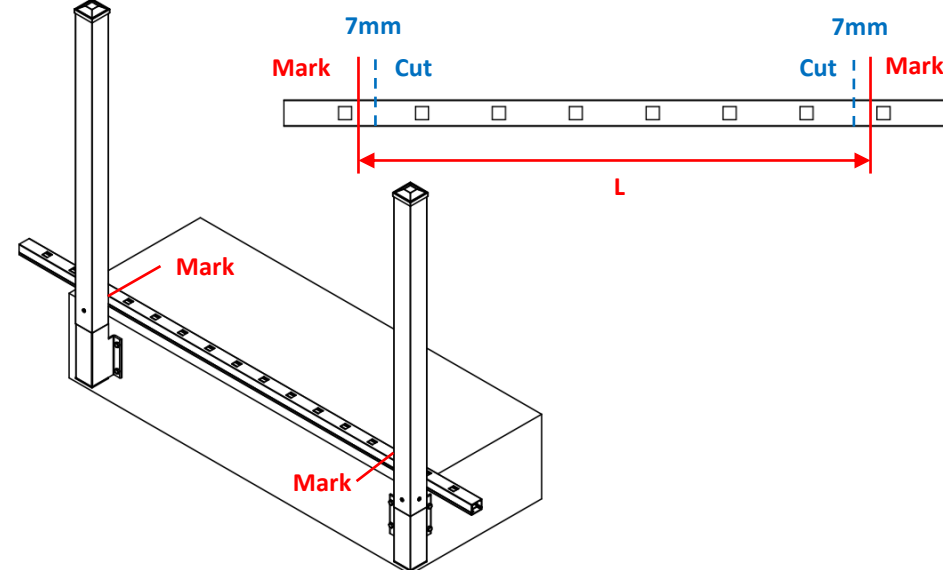
1.2 Secure the base to the side of the frame using suitable fasteners, 5/16 4" screws are recommended for base and frame side fixation, The #10 3/4" screws are recommended for base and post fixation (The two recommended screws are not included in the base). Check with local building dept. for appropriate fasteners for your installation as codes may vary



Note:
The center spacing between 2 posts bracket is 1800mm. or less than 1800mm.



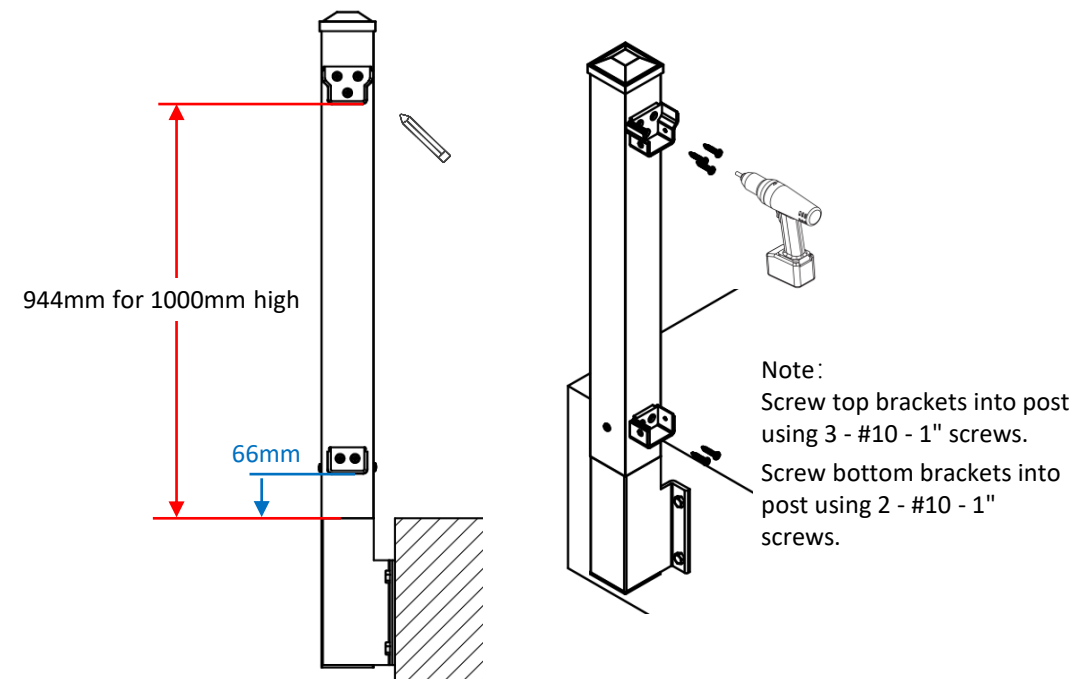
Note:
When the installation size is less than 1800mm, the rail needs to be cut. The length of the rail is the distance L of the column minus 7mm at both ends. When cutting, ensure that the distance from the holes at both ends of the rail to the edge is the same.



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

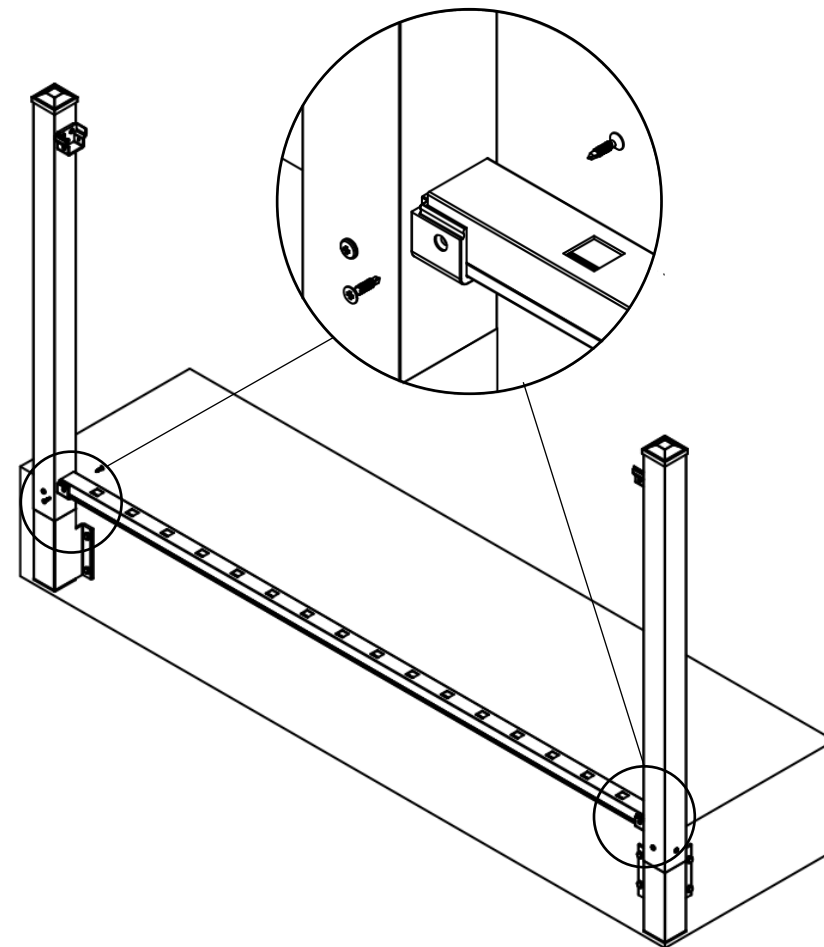
2.1 Install the base of the bottom bracket and the base of the top bracket. The distance between the bottom of the bottom bracket and the bottom of the post is 66mm, and the distance between the bottom of the top bracket and the bottom of the post is 944mm.

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.



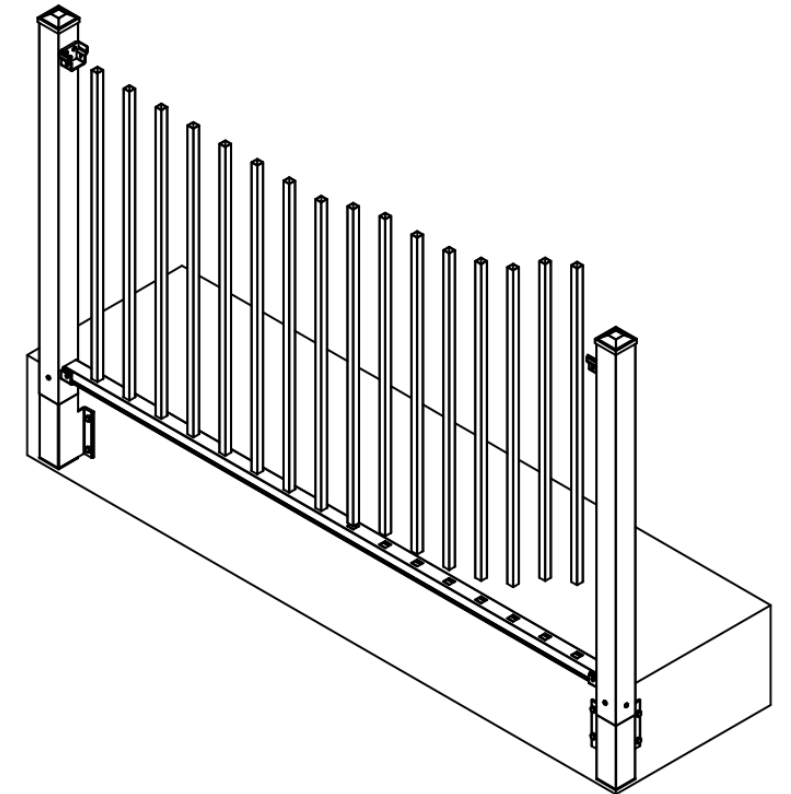
Step 3: Installation of bottom rail

3.1 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.



Step 4: Installation of picket

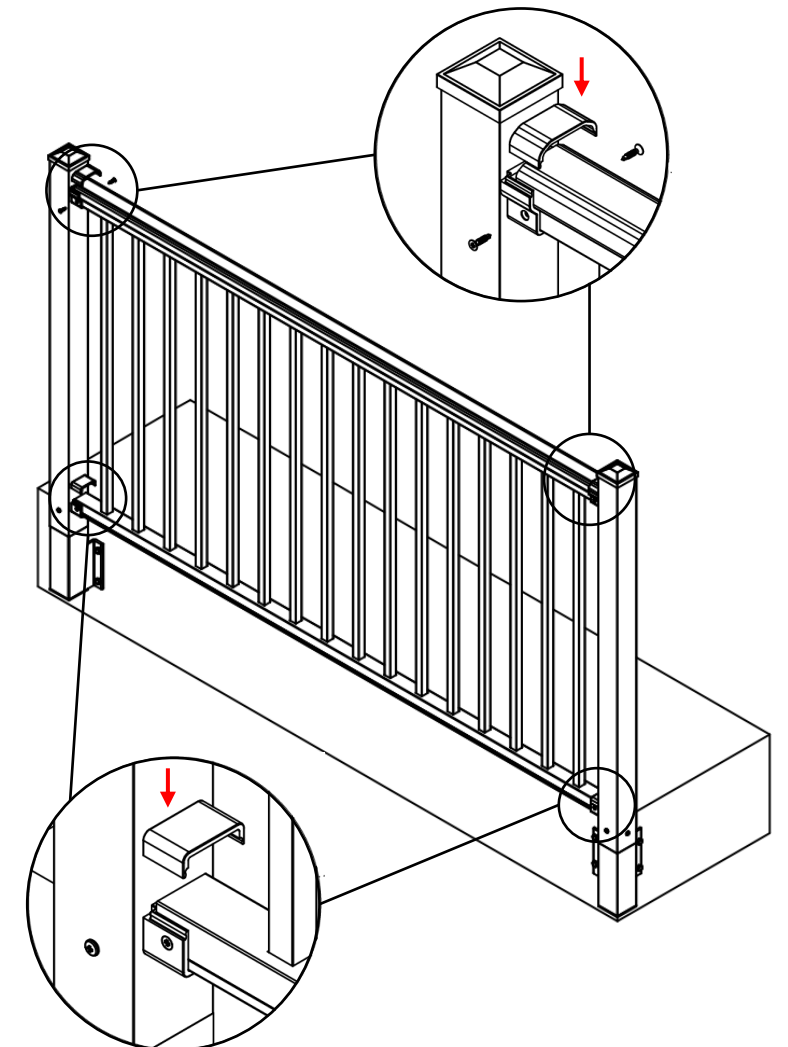
4.1 Install the pickets into the bottom rail respectively



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.



AR400-EW Fascia Mount Stair railing Installation Guide

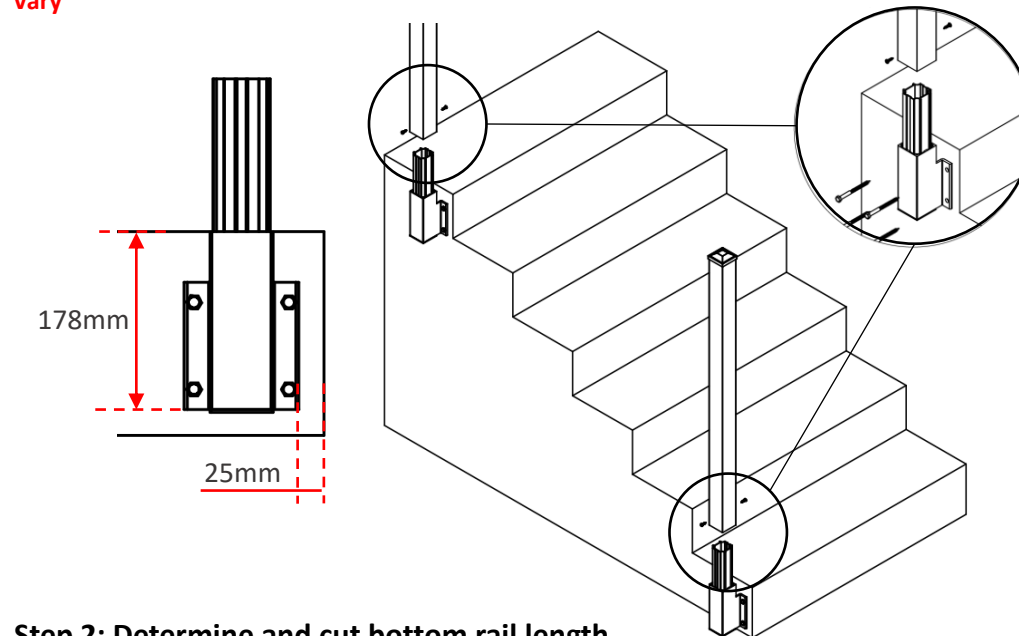
Stair Railing Installation

Step 1: Install side bases and posts

1.1 The distance between the bottom of the base and the floor plane is 178mm. The recommended size from the side of the bracket to the side of the frame is 25mm. Ensure that the post installation surface and the ground are on the same plane.

1.2 Use suitable fasteners to secure the base to the side of the frame, 5/16 4" screws are recommended for base and frame side fixation, and #10 3/4" screws are recommended for base and post fixation (**The two recommended screws are not included in the base**).

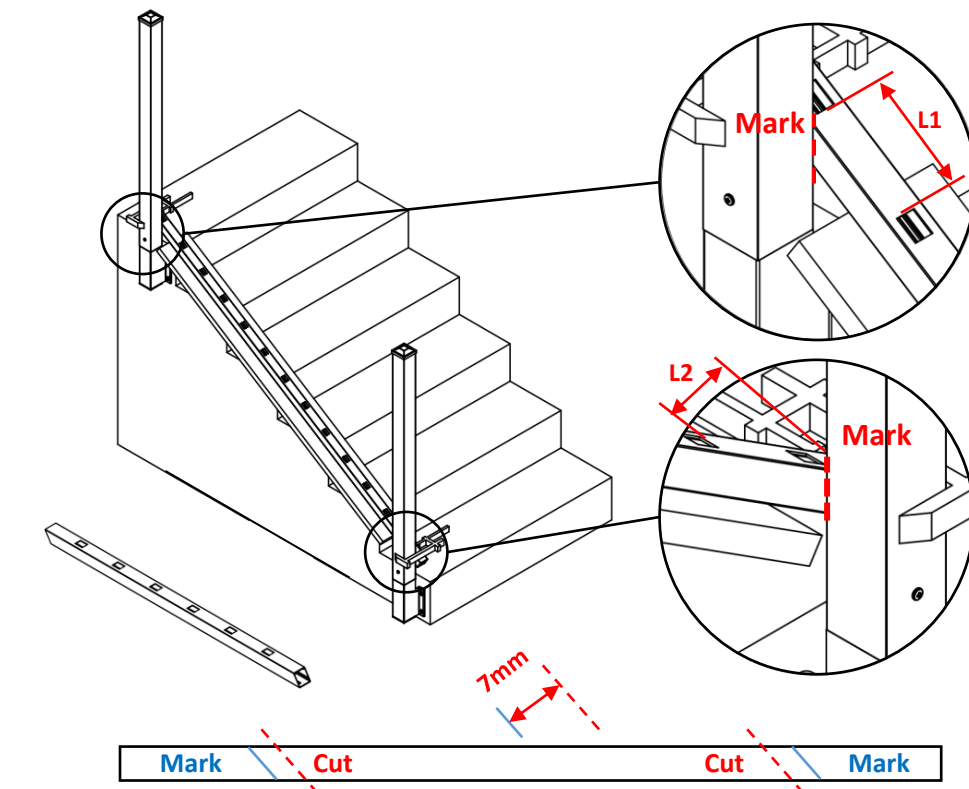
Check with local building dept. for appropriate fasteners for your installation as codes may vary



Step 2: Determine and cut bottom rail length

2.1 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.

2.2 Cut the bottom rail down by subtracting 7mm from each end at the marked location.

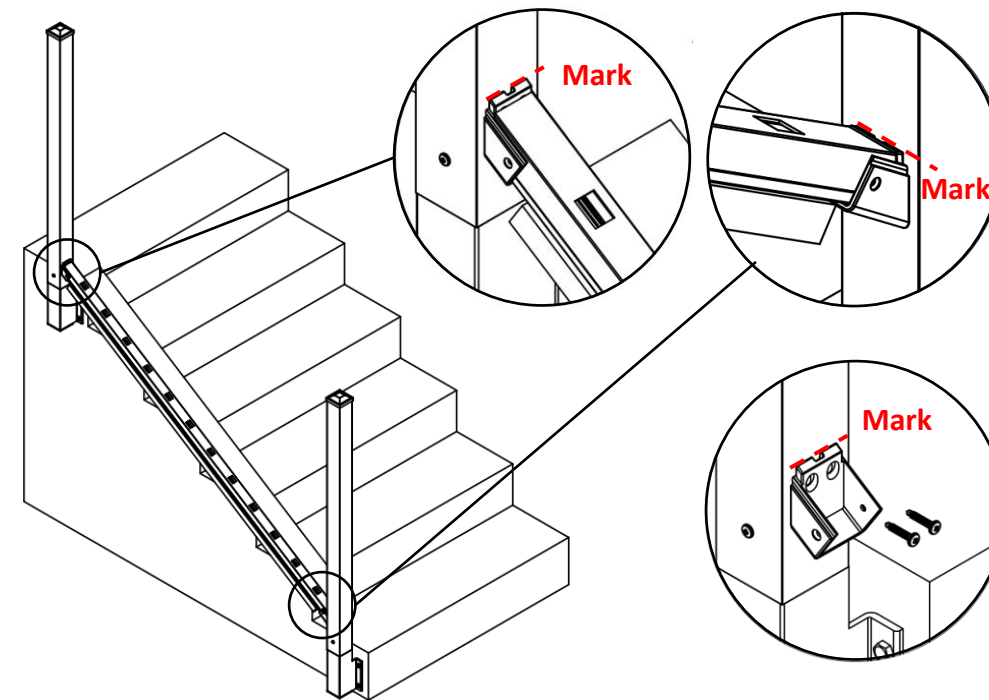


Step 3: Locating and installation of bottom rail bracket

3.1 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.

3.2 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).

3.3 Fix the bottom rail and the bracket with 2pcs #8 3/4" pan head drill screws respectively.

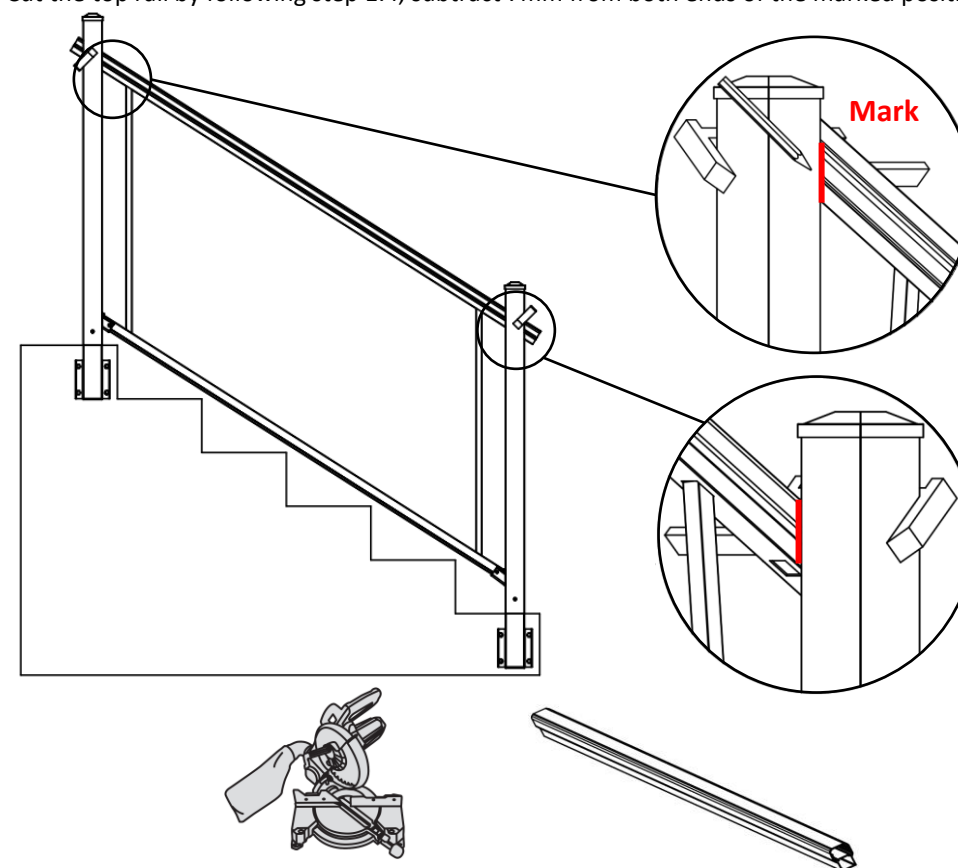


Step 4: Measuring and cutting the top rail

4.1 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.

4.2 Use a pencil to mark the rail.

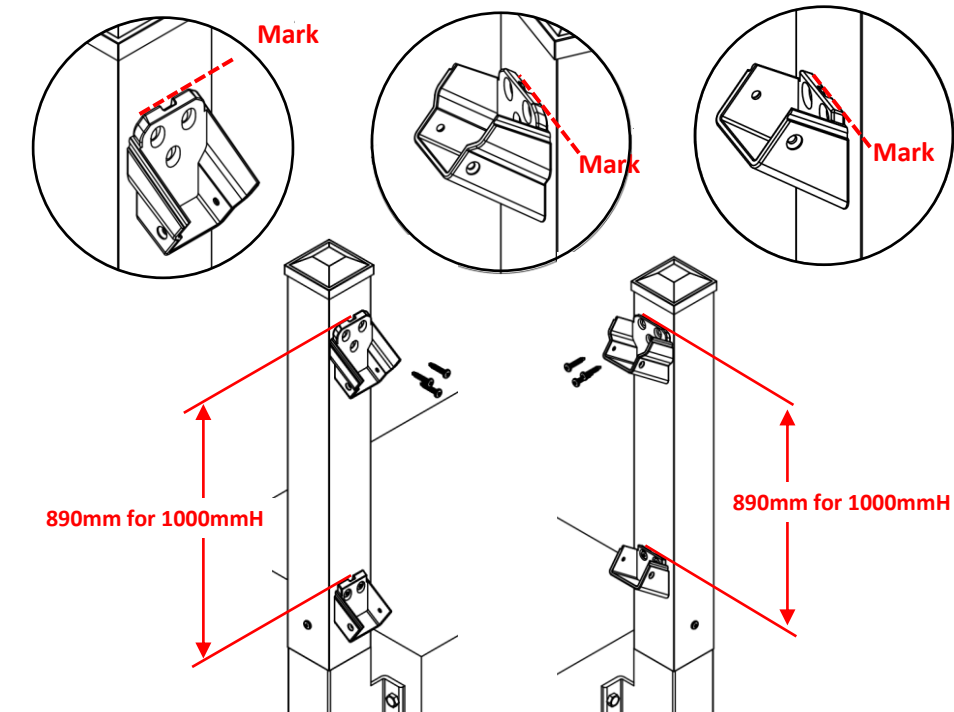
4.3 Cut the top rail by following step 1.4, subtract 7mm from both ends of the marked position.



Step 5: Locating and installation of top rail bracket

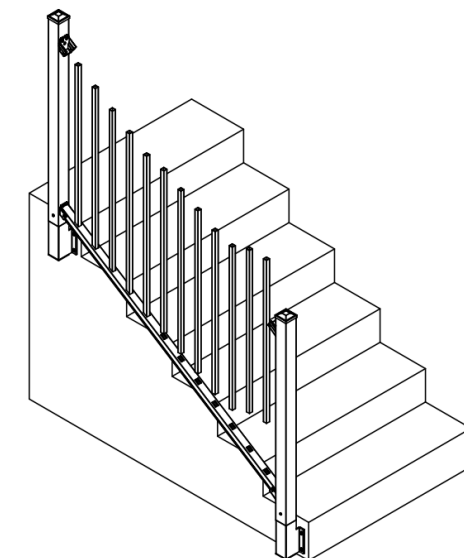
5.1 Mark the position of the top rail bracket according to the position marked on the bottom rail bracket 890mm (1000mmH railing).

5.2 Use 3pcs #10 1" cross pan head drill tail screws to fix the top rail bracket according to the marked positions.



Step 6: Installation of picket

6.1 Remove the top rail and install all the pickets into the bottom rail.



Step 7: Installation of top rail and bracket cap

7.1 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.

