

# INSTALLATION GUIDE





## POST SLEEVE AND POST INSTALLATION

### Materials:

Post sleeve

Wood post

Post skirt

Post Cap

M5\*50mm Screw

**Note:** The wood post has different diameter on both ends which the small size just seats down into the surface mount bracket and the big size suits for sliding through the post sleeve.

1. Insert the small size wood post fully into the bottom of surface mount bracket.
2. Drill 4mm holes through the surface mount bracket which should be away from the ledge of post sleeve: fasten the wood post to the bracket with M5\*50mm Screws. Make sure that the post plumb and level. As shown in Figure 3.
3. Slide the post sleeve over the wood post until the bottom of the surface mount bracket and check the post sleeve for plumb and level.
4. Fasten the post skirt tightly to the wood post. As shown in Figure 3.
5. Glue the post caps and insert them into the post sleeve. As shown in Figure 4.

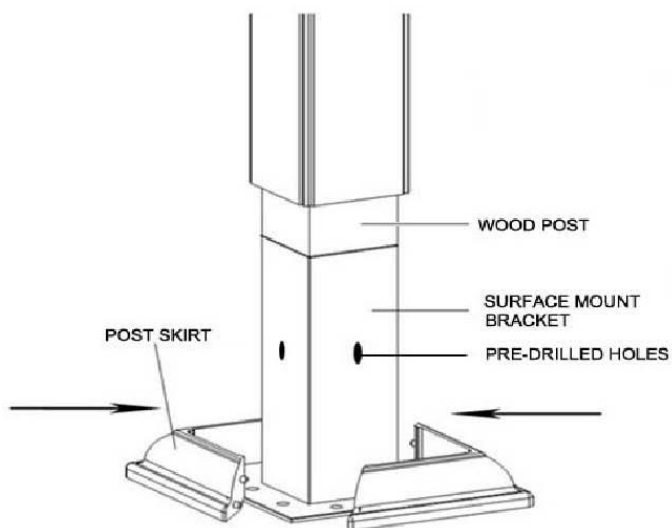


FIGURE 3

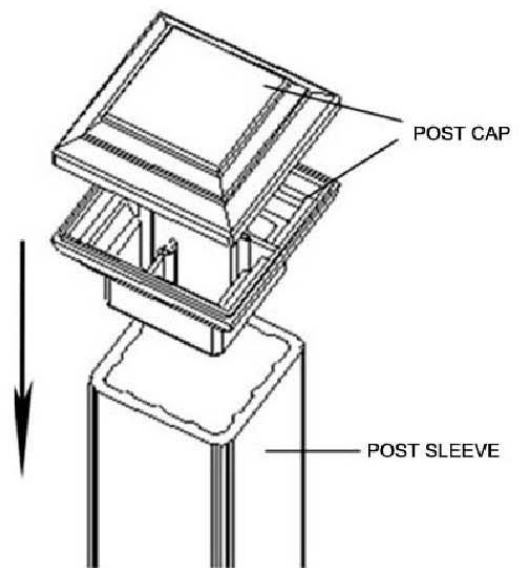


FIGURE 4

# RAILING INSTALLATION

## Materials:

Handrail	Center Support Block
Retainer	Right Angle Mounting Bracket
Baluster	Flush Mounting Bracket
Bottom Rail	M5*25mm Stainless Screw.

The following are the sizes and measurements of the Eco-Railing

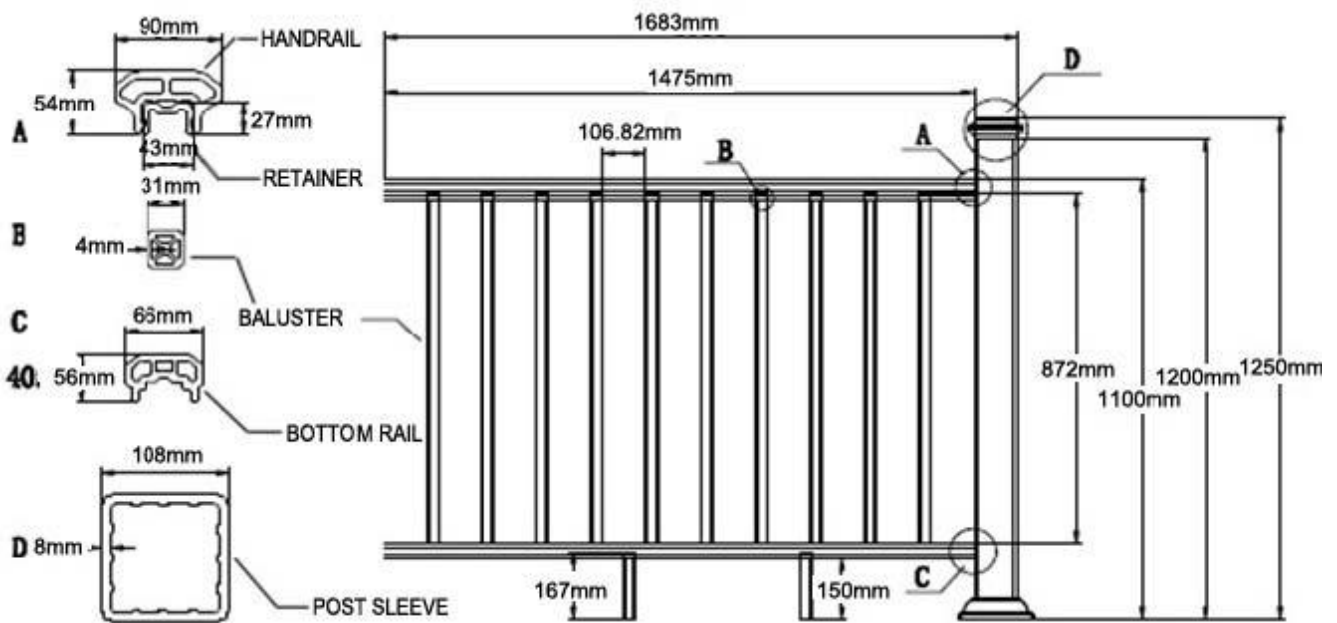


FIGURE 5

## Instalación del ECO-RAILING

1. Drill holes first on the bottom rail as per spacing between balusters which should be taken in 90-110mm using the 4mm drill bit. As shown in Figure 5.

1.

2. Align the ends of the baluster with the pre-drilled holes in the bottom rail; using the M5\*25mm stainless screws, fasten the ends of balusters to the bottom rail first, (As shown in Figure 6) then fasten the other ends of balusters to the retainer through pre-drilled holes. As shown in Figure 7.

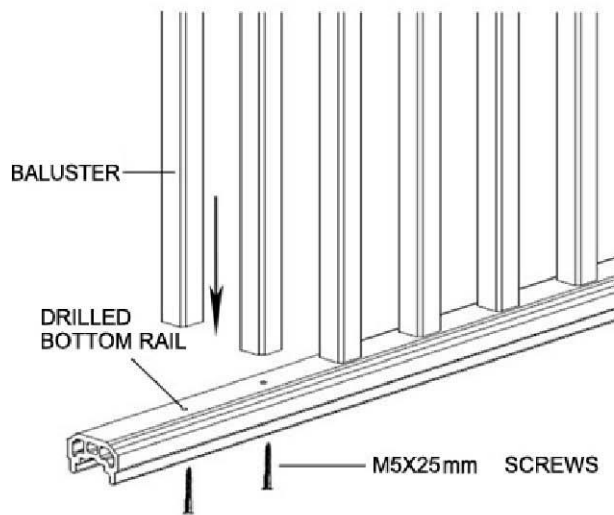


FIGURE 6

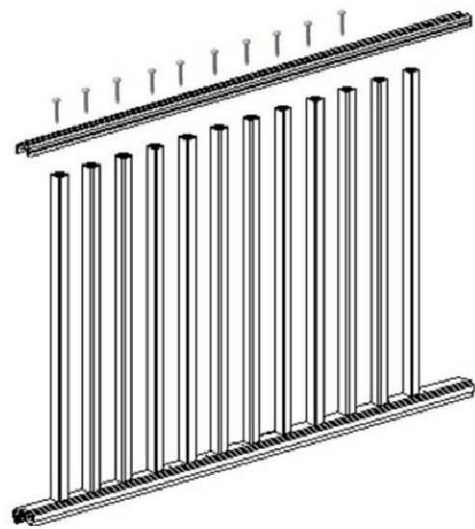


FIGURE 7

3. Slide the handrail over the retainer. As shown in Figure 8.

4. Adjust the whole section to plumb and level. As shown in Figure 9.

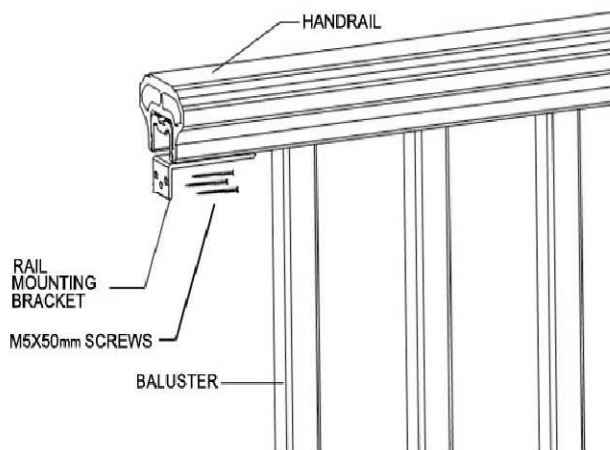


FIGURE 8

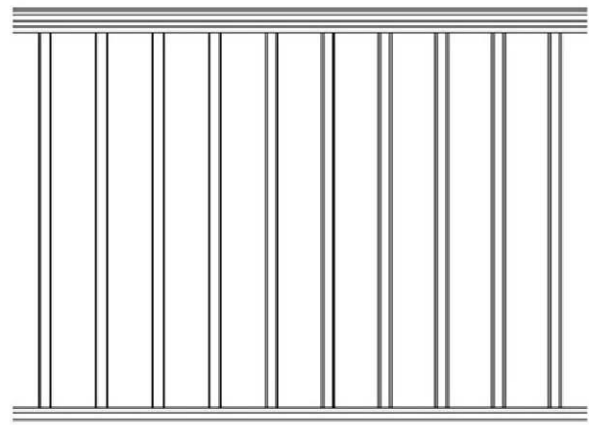


FIGURE 9

5. Place right angle rail mounting bracket into the retainer. The right angle rail mounting bracket should be protruded 1mm out of the handrail and retainer because of the expansion and contraction, and then mark the bracket hole locations on the retainer.

6. Fasten the bracket into the pre-drilled holes on the retainer and the handrail using the M5\*25mm.

As shown in Figure 10.

7. Fasten the right angle rail mounting bracket into the bottom rail as the same way.

8. Align the center support bracket holes with center support block holes then fasten them with the M5\*50mm stainless screws.

9. Insert the support section into bottom rail while marking the 2 brackets hole, and then fasten the block to bottom rail using the M5\*25mm stainless screws through pre-drilling holes. As shown in Figure 11.

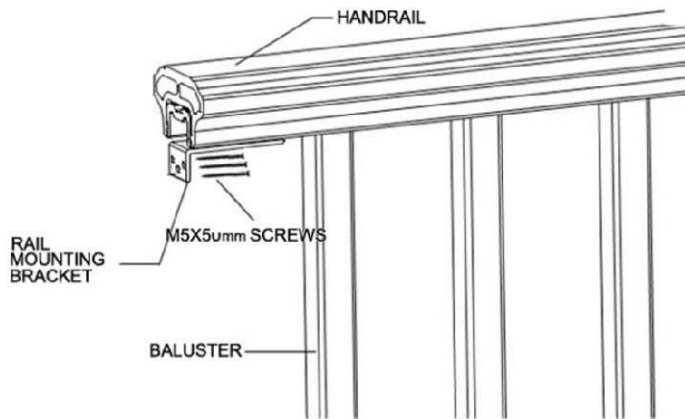


FIGURE 10

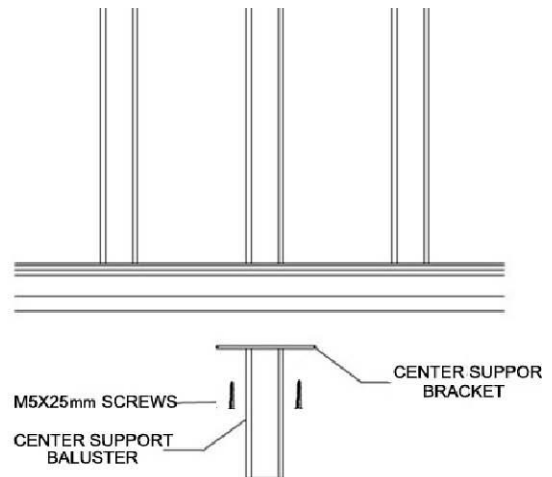


FIGURE 11

## FASTEN HANDRAIL AND POST SLEEVE

1. Place assembled rail sections between the 2 post sleeves and level; mark the 4 right angle rail mounting bracket locations. After drilling 12 holes supplied with 4mm drill bit, fasten the section to post sleeves using M5\*50screws. As shown in Figure 12.

2. Figure 13 will be the complete railing system.

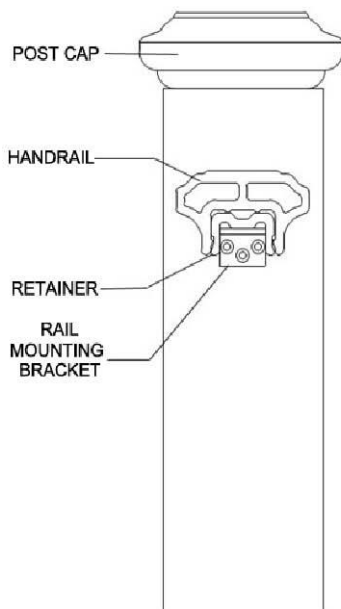


FIGURE 12

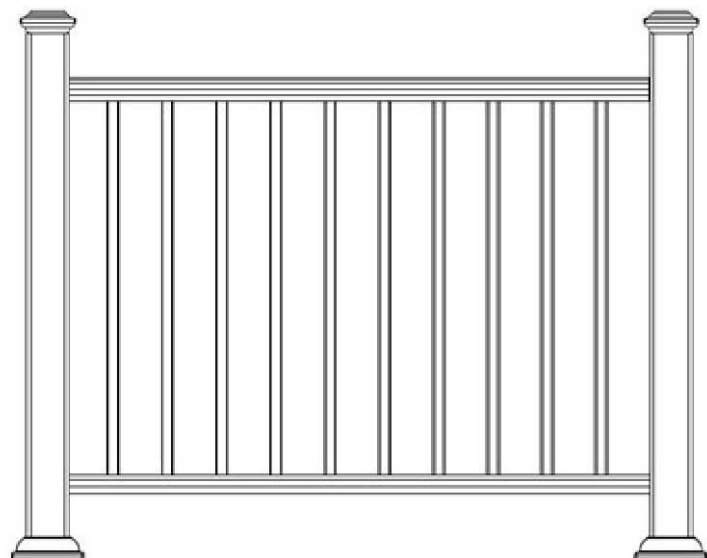


FIGURE 13

Extra post x 1

Add-on unit x N

Formula to calculate the amount of posts needed:

$$N = L/1.5 + R$$

N=qty. of post

L= Total length

R=No. of rows.

