

# Balconette

## ORBIT PRIVACY – INSTALLATION GUIDE

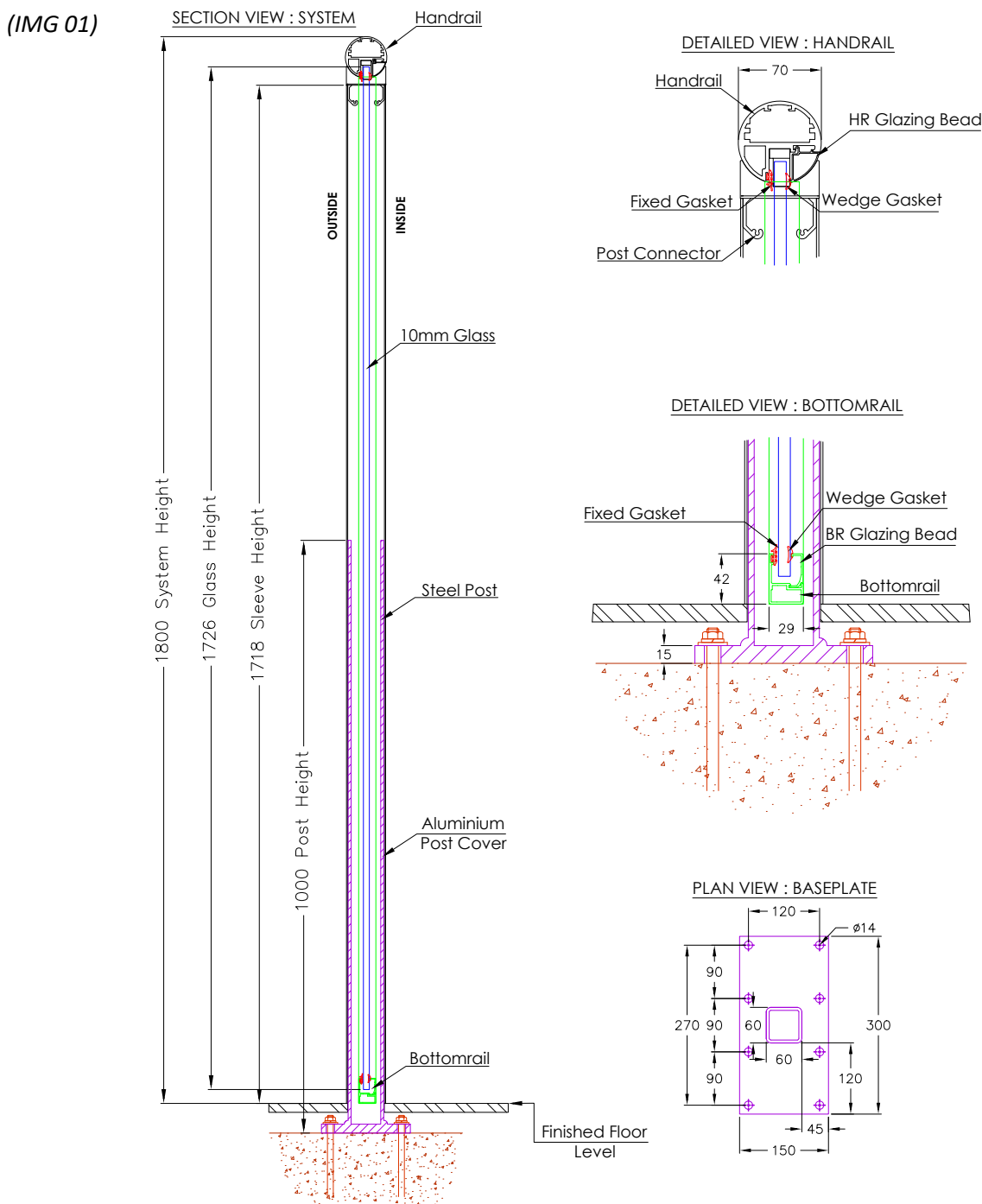
UNLESS OTHERWISE STATED ALL DIMENSIONS IN MILLIMETRES AND APPLY TO STANDARD HEIGHT SYSTEMS.  
DO NOT SCALE FROM ANY DRAWINGS.

BALCONETTE, UNIT 6 SYSTEMS HOUSE, EASTBOURNE ROAD, BLINDLEY HEATH, SURREY, RH7 6JP  
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### Before you start:

- Check you have all the parts of the order.
- Check the height and width of the glass panels.
- Check the height of the post sleeves.
- Ensure these conform to the drawings and the required height on site making sure they are correct before assembling.
- Read and understand these instructions before starting installation.

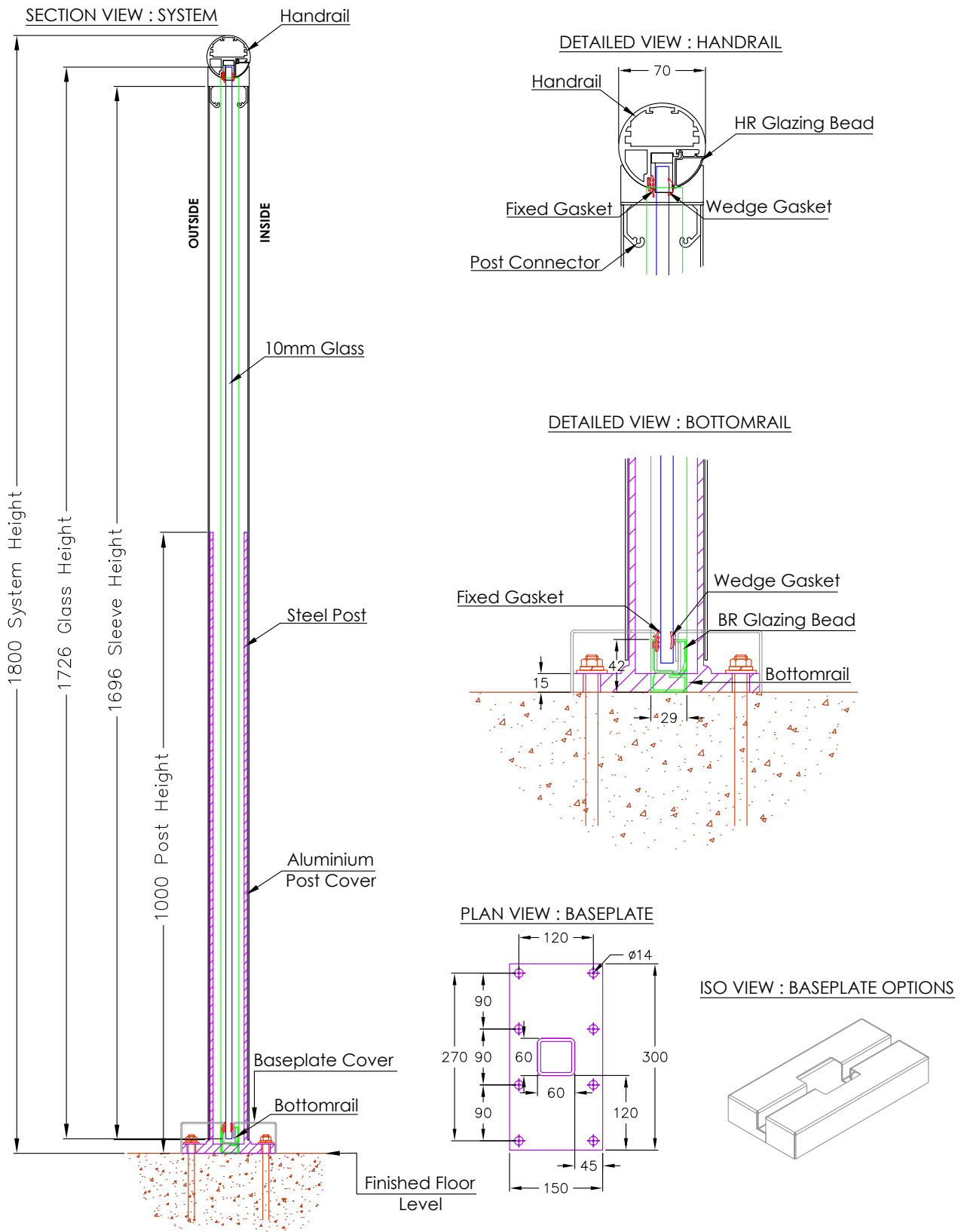
### Orbit Privacy - Below Finished Floor Level - System Overview



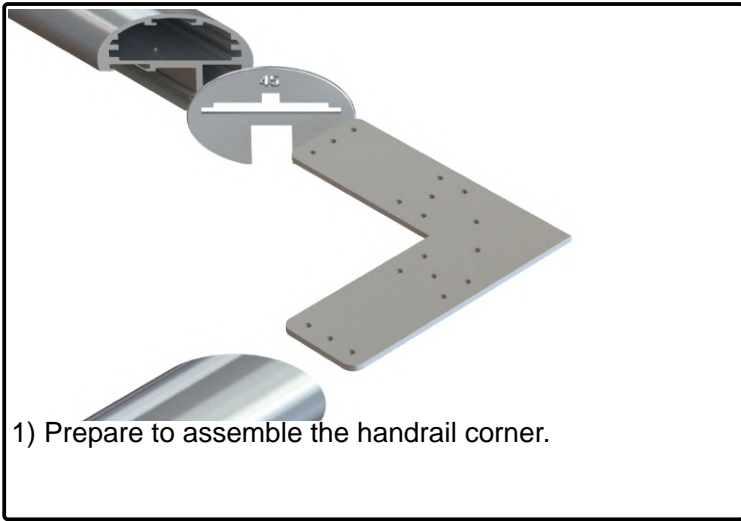
**Not Supplied:** Silicone and fixings to the structure are not included in the standard system package.

# Orbit Privacy - Above Finished Floor Level - System Overview

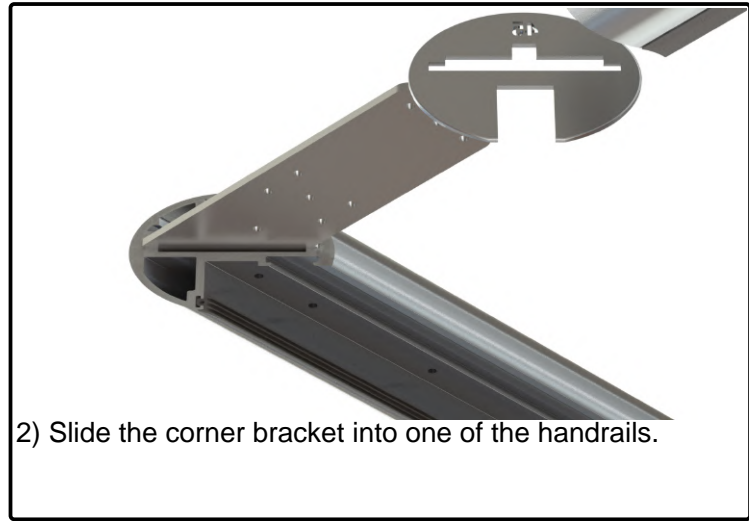
(IMG 02)



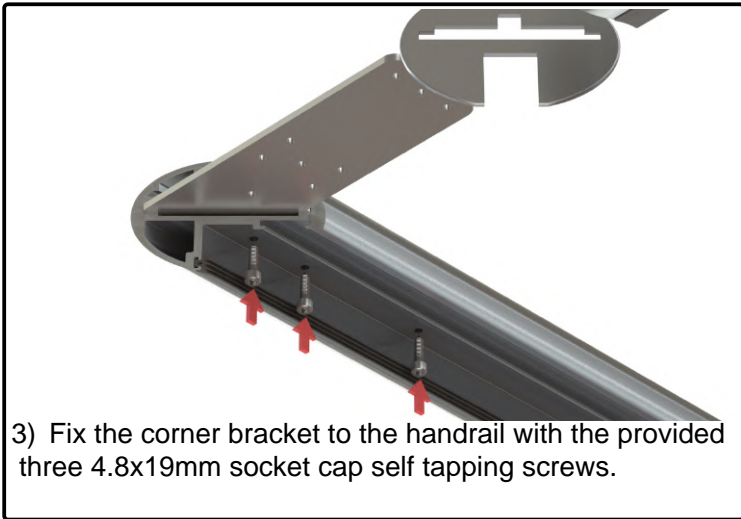
**Not Supplied:** Silicone and fixings to the structure are not included in the standard system package.



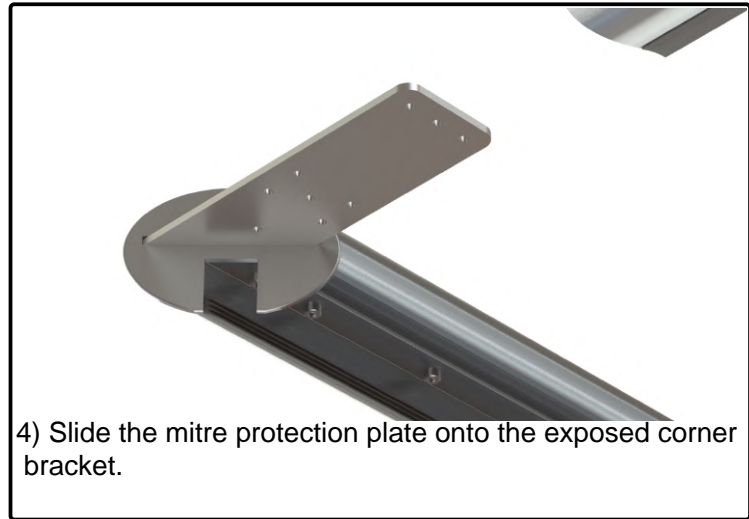
1) Prepare to assemble the handrail corner.



2) Slide the corner bracket into one of the handrails.



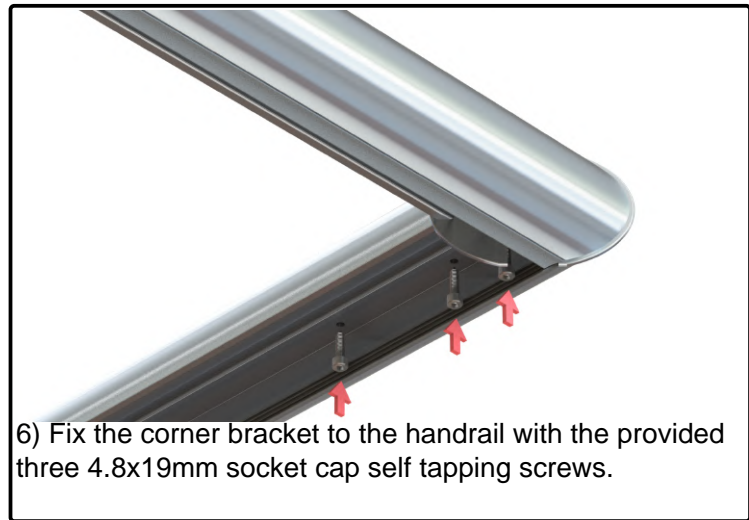
3) Fix the corner bracket to the handrail with the provided three 4.8x19mm socket cap self tapping screws.



4) Slide the mitre protection plate onto the exposed corner bracket.



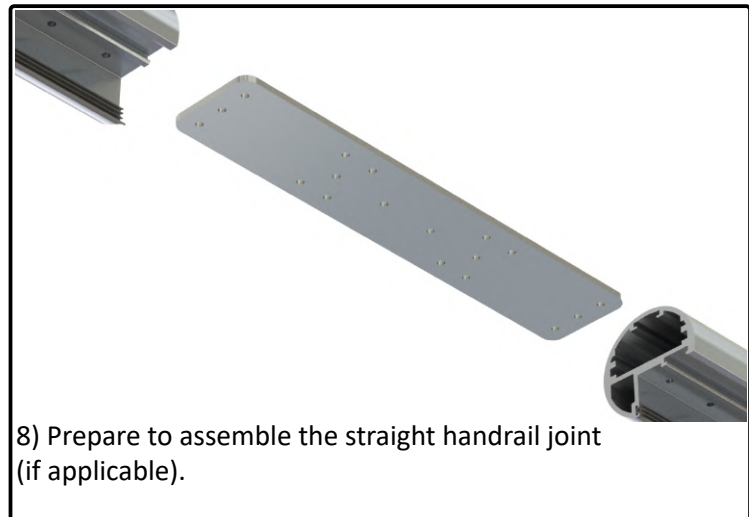
5) Slide the handrail onto the exposed corner bracket.



6) Fix the corner bracket to the handrail with the provided three 4.8x19mm socket cap self tapping screws.



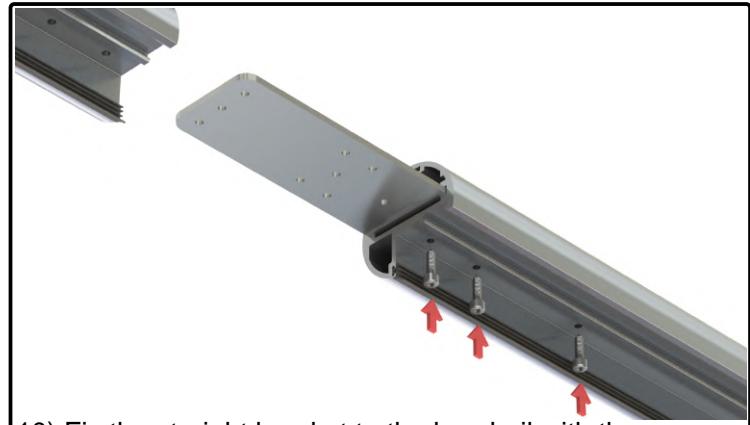
7) The mitred handrail joint is complete.



8) Prepare to assemble the straight handrail joint (if applicable).



9) Slide the bracket into one of the handrails.



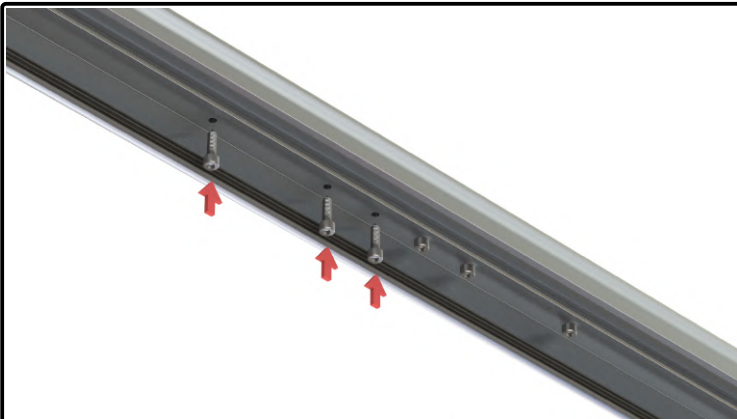
10) Fix the straight bracket to the handrail with the provided three 4.8x19mm socket cap self tapping screws.



11) The bracket is now secured to the first handrail.



12) Slide the handrail onto the exposed straight bracket.



13) Fix the straight bracket to the handrail with the provided three 4.8x19mm socket cap self tapping screws.



12) The straight handrail joint is complete.

### Primary post installation: (if applicable)

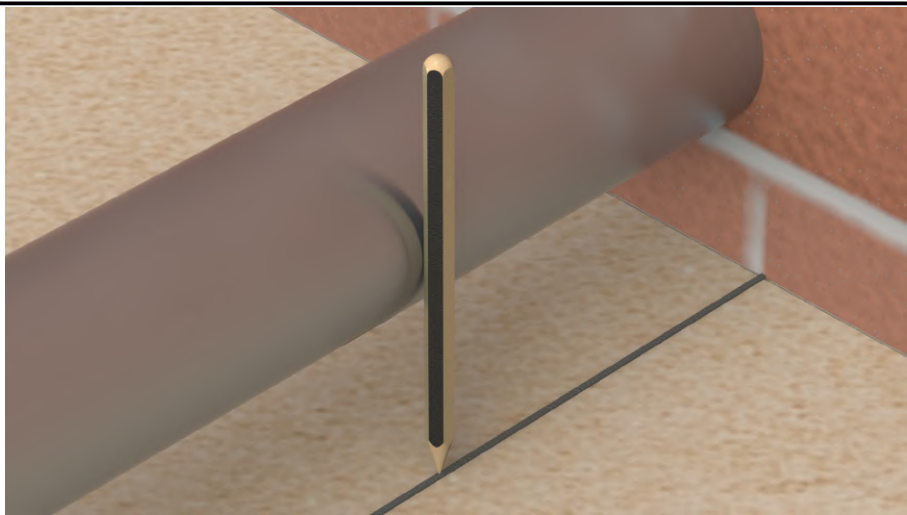


13a) Place the assembled handrail on the floor in position to ensure the dimensions and shape fit.




13b) Place the assembled handrail on the floor in position to ensure the dimensions and shape fit.

14) Mark lines on the floor outlining the handrail for use later in the install, then move the handrail to a safe location.




**AFFL**

 Structural calculations may be found on [www.balconette.co.uk](http://www.balconette.co.uk)



15a) Position the primary post as per the drawings. Using appropriate fixings, fix the post firmly to the structure making sure they are perfectly vertical.

**BFFL**

 Structural calculations may be found on [www.balconette.co.uk](http://www.balconette.co.uk)



15b) Position the primary post as per the drawings. Using appropriate fixings, fix the post firmly to the structure making sure they are perfectly vertical.

**AFFL**



16a) In this fashion install all the primary posts.

**BFFL**



16b) In this fashion install all the primary posts.

**AFFL**



17a) In an AFFL system the baseplate and fixings will be covered by a baseplate cover later in the installation.

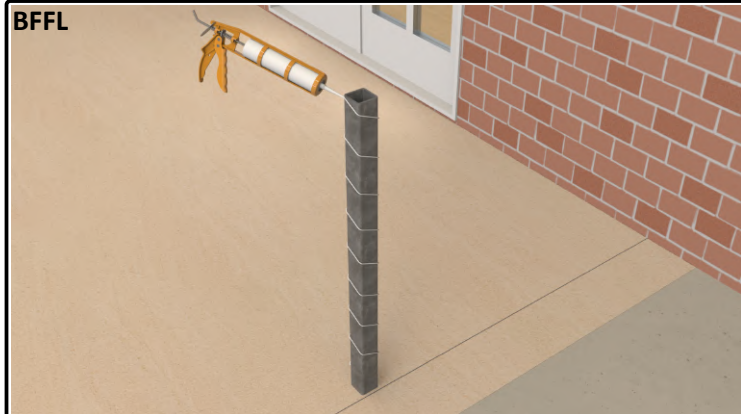
**BFFL**



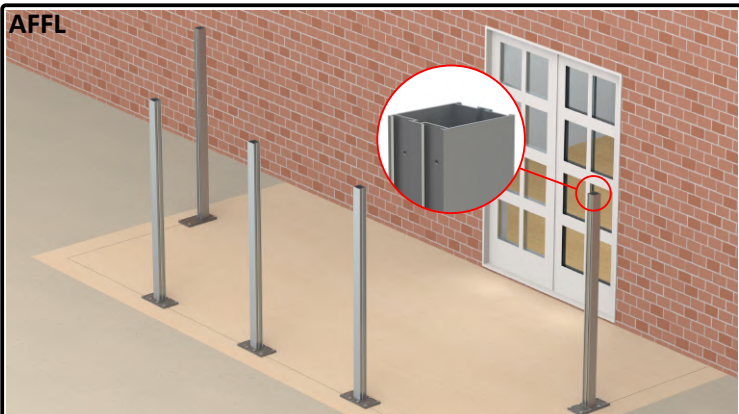
17b) Complete the flooring, this should completely conceal the baseplate and fixings.



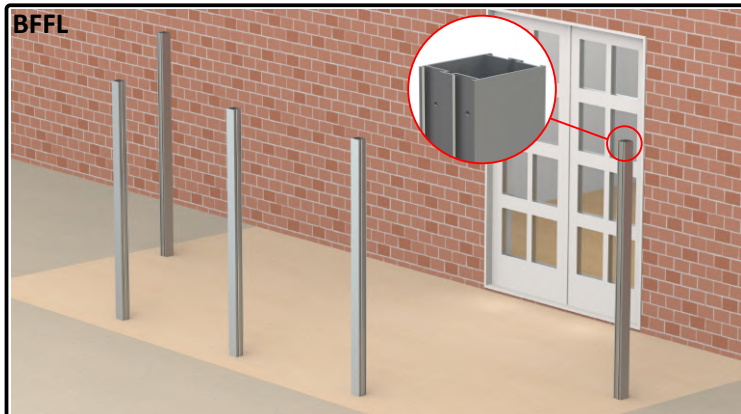
18a) Apply a thick bead of high quality neutral silicone around the primary steel post in a spiral fashion.



18b) Apply a thick bead of high quality neutral silicone around the primary steel post in a spiral fashion.



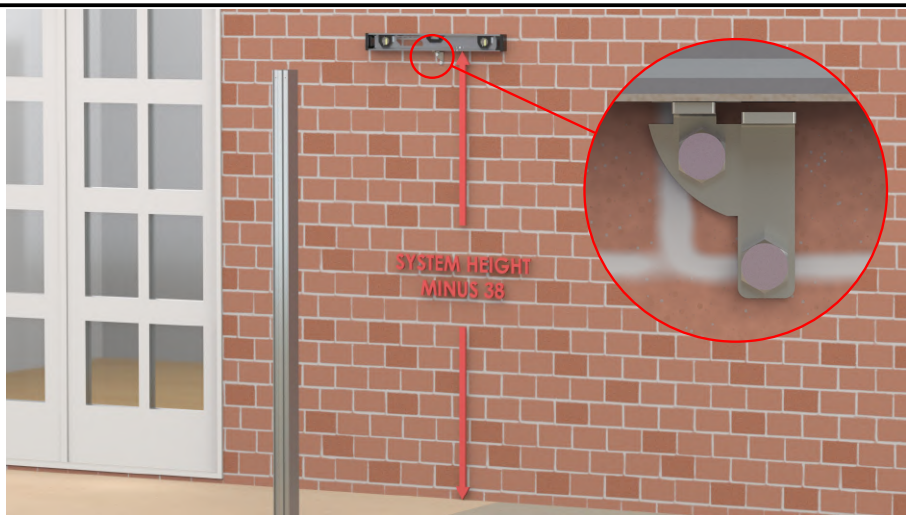
19a) Slide the aluminium post sleeve(s) over the primary post(s). Ensure the sleeve is orientated correctly and seated onto the primary post.



19b) Slide the aluminium post sleeve(s) over the primary post(s). Ensure the sleeve is orientated correctly and seated onto the finished floor level.

**Handrail installation:**

20) Using a spirit level position the top of the bracket at the system height minus 38mm. With appropriate fixings, fix the wall bracket to the structure.



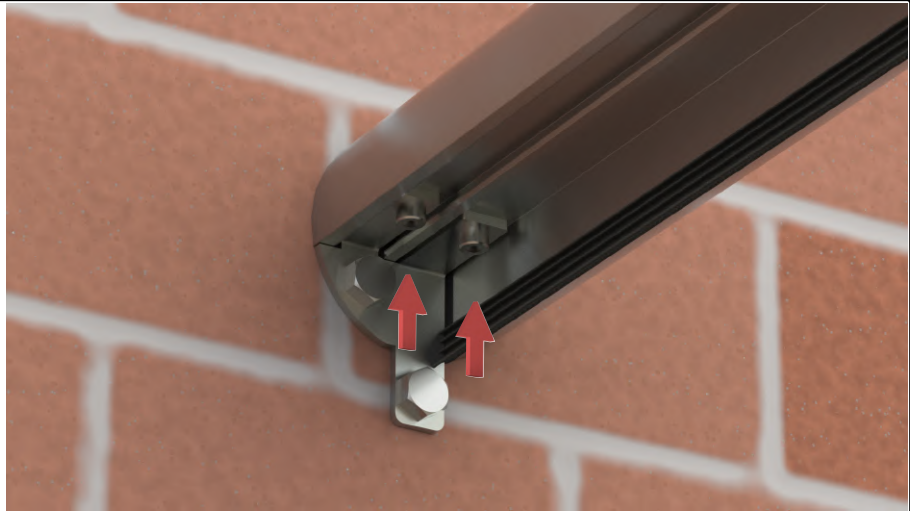
21) Lower the handrail onto the wall bracket(s). The post connector(s) will slide inside the aluminium post sleeve.



22) Drill 4.2mm holes through the bracket into the handrail.



23) Fix the handrail to the bracket with the provided two 4.8x19mm socket cap self tapping screws.



24) Fix the post connector to the aluminium post sleeve with the provided four 4.2x13mm countersunk self tapping screws (two per side).

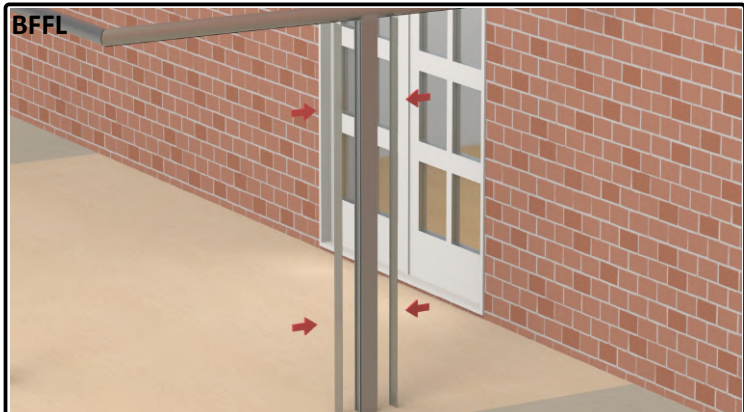


AFFL

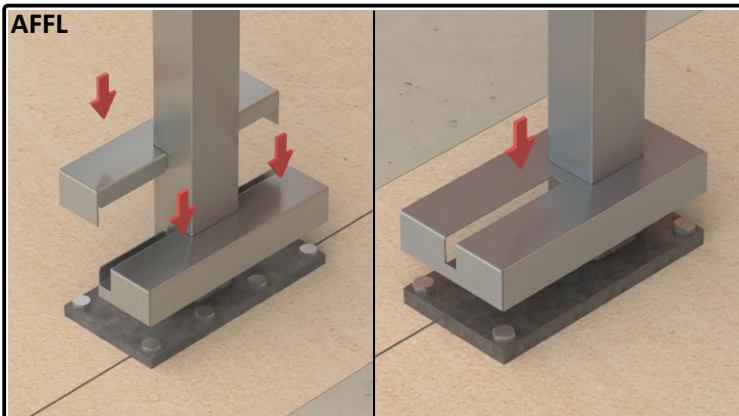


25a) Clip on two post covers per post sleeve.

BFFL



25b) Clip on two post covers per post sleeve.



26a) Install baseplate covers to completely conceal the primary post baseplate and fixings.



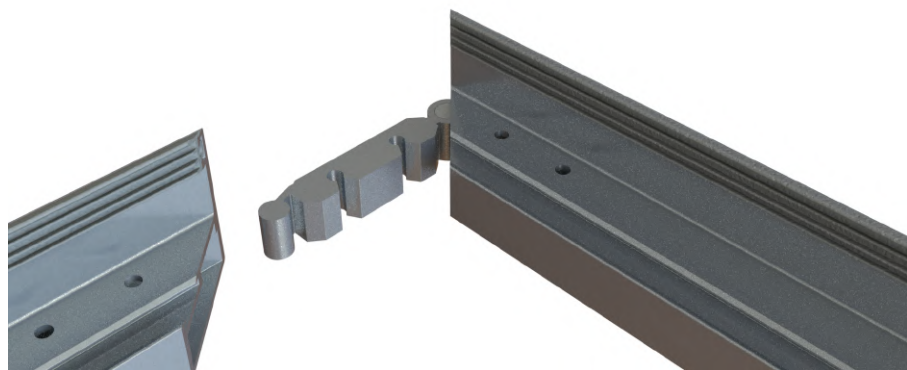
26b) Baseplate covers are not required on a BFFL system, the finished floor completely conceals the primary post baseplate and fixings.

### Bottomrail joint assembly: (if applicable)

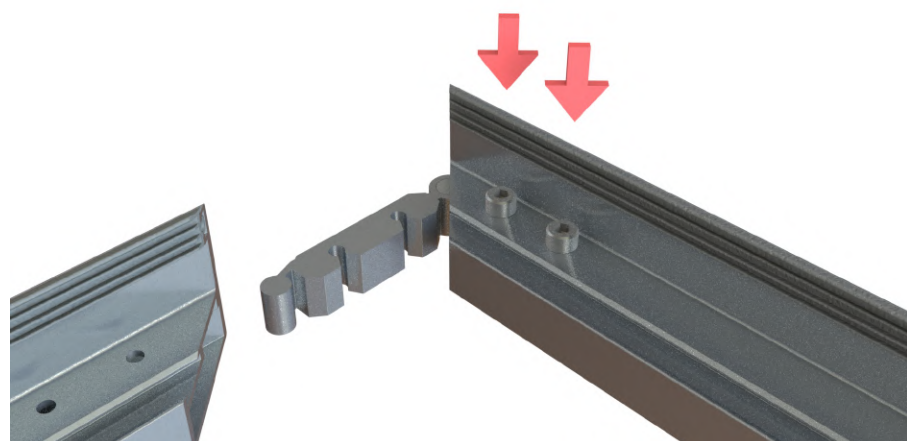
27) Prepare to assemble the bottomrail corner.



28) Slide the bottomrail connector into one of the bottomrails.

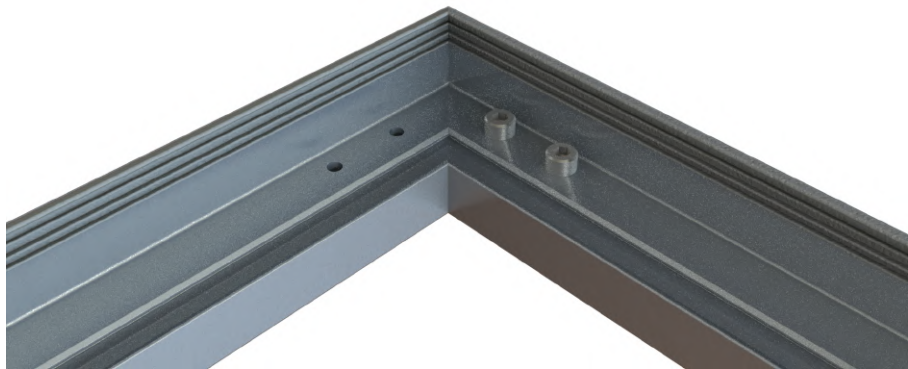


29) Fix the bottomrail connector to the bottomrail with two provided 4.8x13mm socket cap self tapping screws.

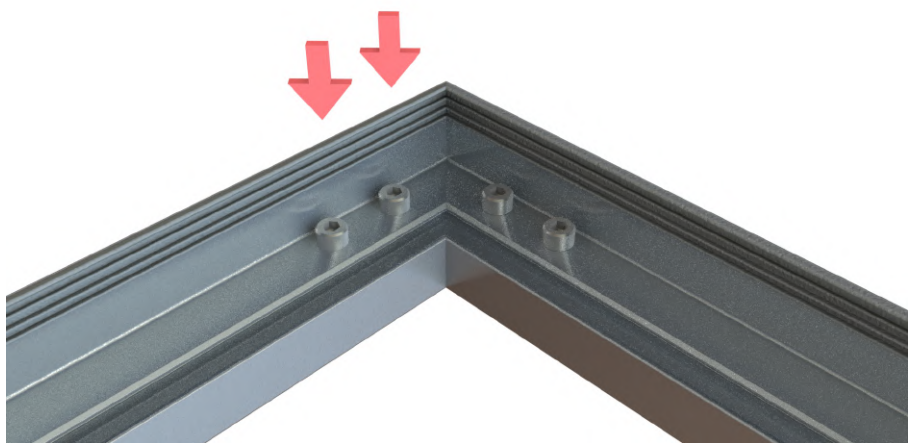




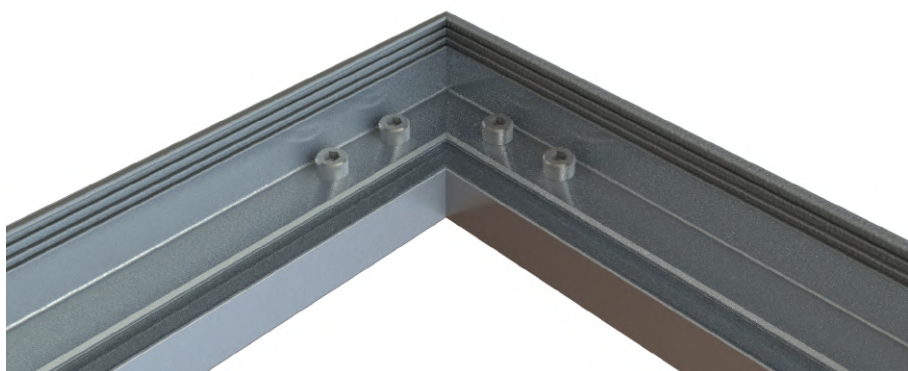
30) Slide the bottomrail onto the exposed Bottomrail connector.



31) Fix the Bottomrail connector to the Bottomrail with two provided 4.8x13mm socket cap self tapping screws.

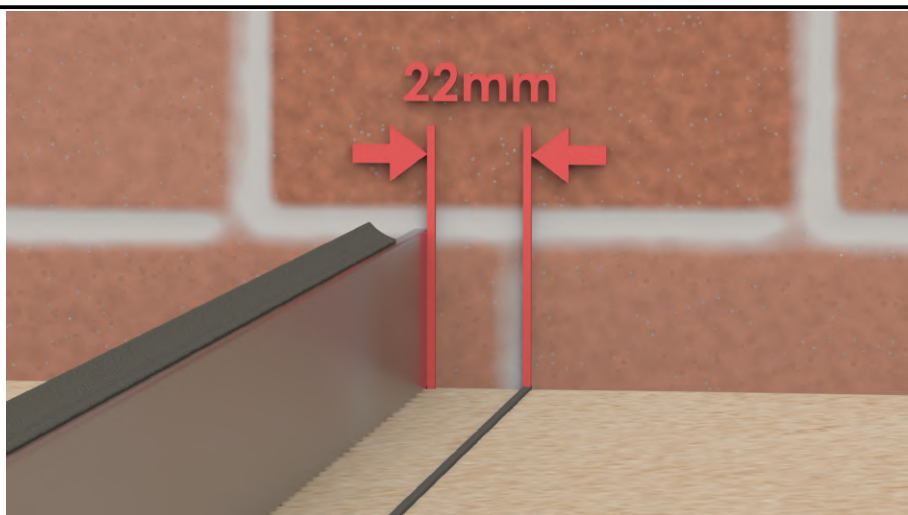


32) The bottomrail joint is now complete.

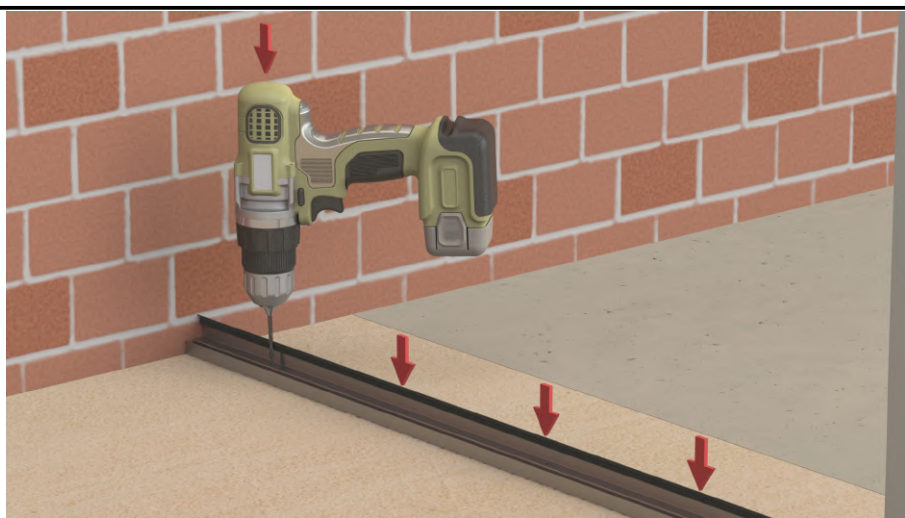


### Bottomrail installation:

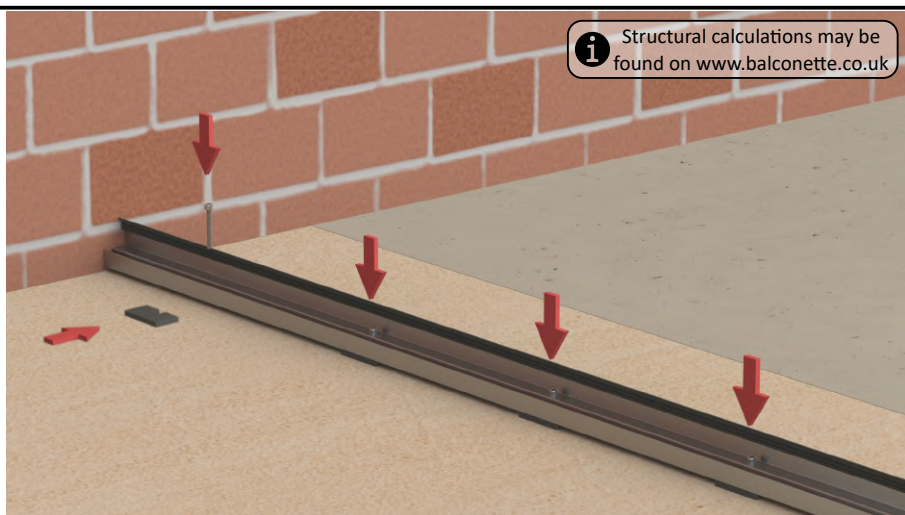
33) Position the outer edge of the bottomrail 22mm in from the outer handrail line (step 14).



34) Drill into the structure through the bottomrail.

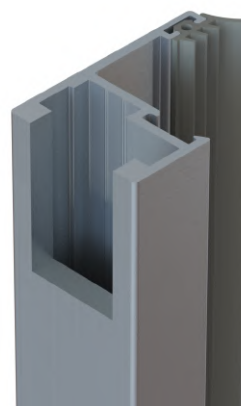


35) Fix the bottomrail to the structure with appropriate fixings. If you have requested 5mm drainage spacers position them under the bottomrail around each fixing.

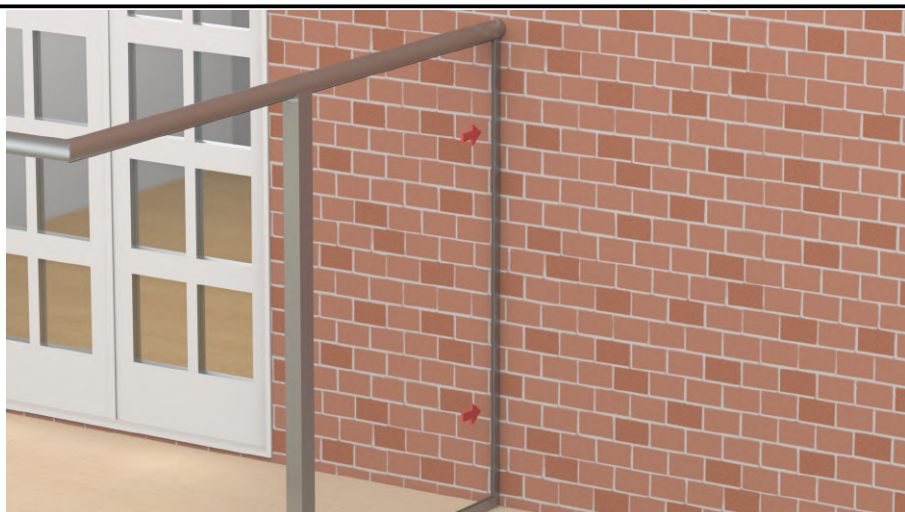


### Vertical rail installation:

36) If the system ends on the structure the vertical rail will be notched to accommodate the wall bracket.



37) Align the vertical rail with the bottomrail at 22mm in from the outside handrail line.

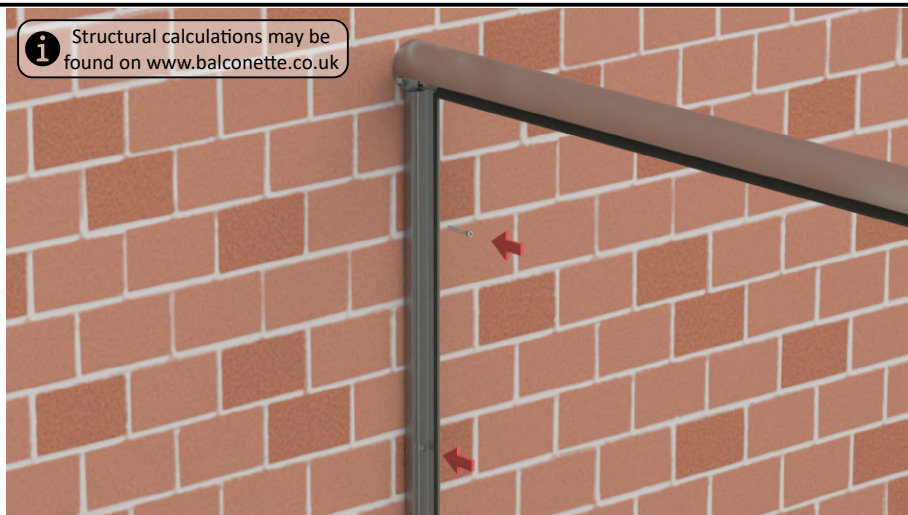


38) Drill into the structure through the vertical rail.

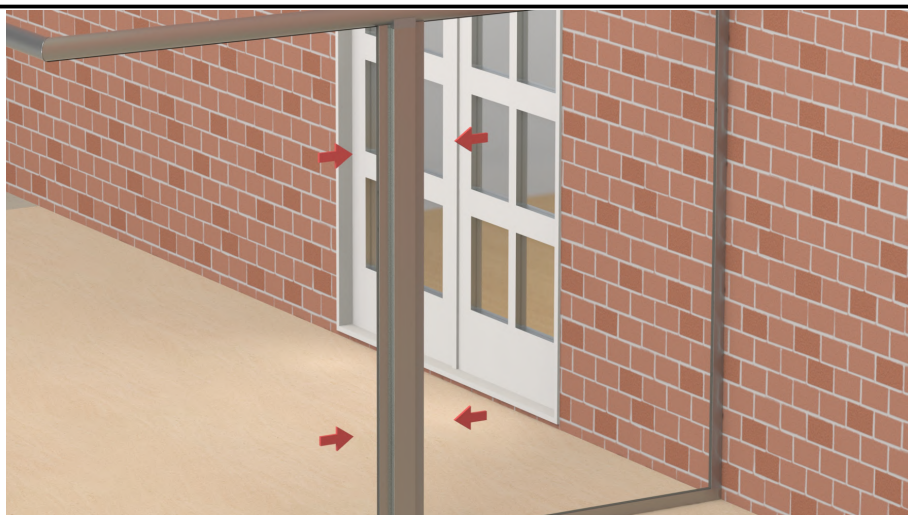


39) Using appropriate fixings, fix the vertical rail(s) firmly to the structure.

**i** Structural calculations may be found on [www.balconette.co.uk](http://www.balconette.co.uk)



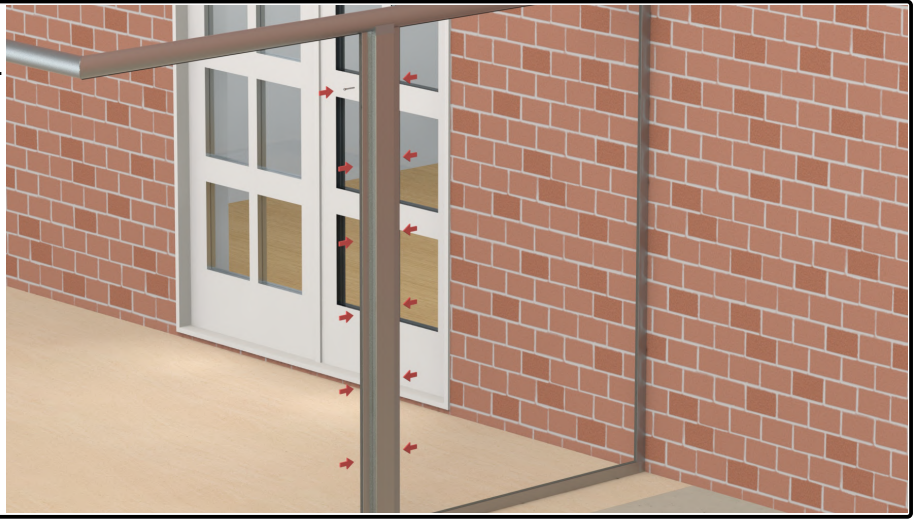
40) Align the post sleeve vertical rail(s) with the bottomrail.



41) Drill 4.2mm holes through the vertical rail(s) into the post sleeve(s).

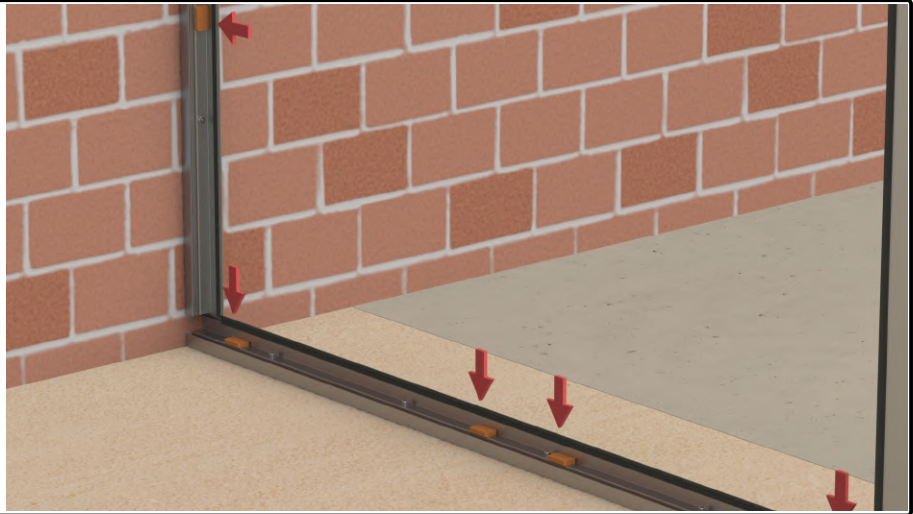


42) Fix the vertical rail(s) to the post sleeve(s) with the provided 4.8x38mm self tapping screws.

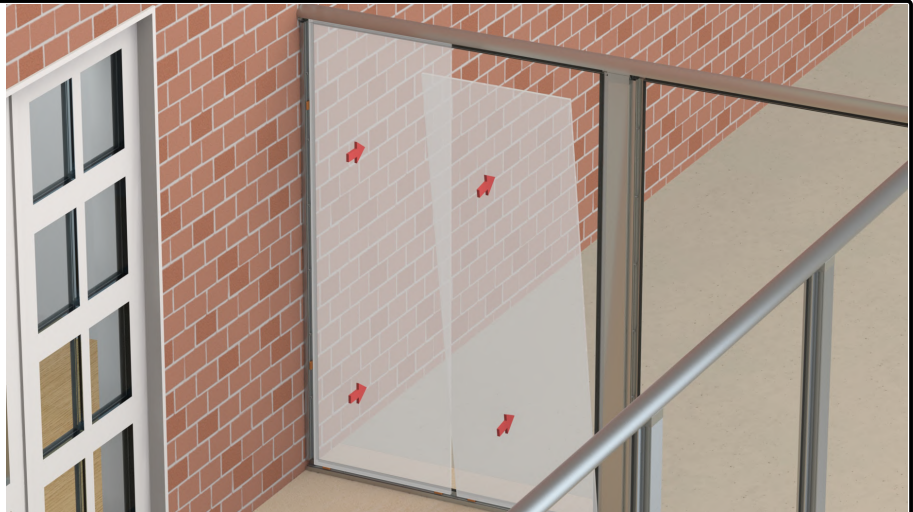


### Glass installation:

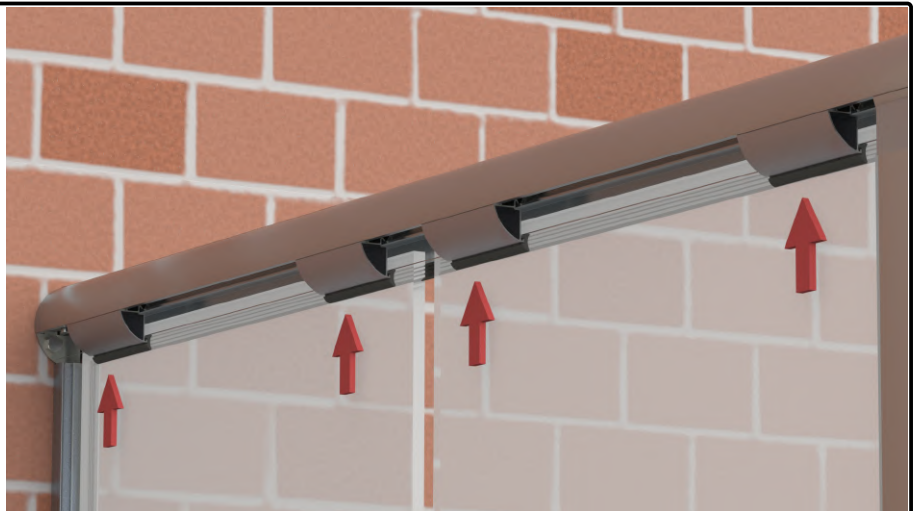
43) Use small blobs of silicone to stick two 5mm (Orange) glazing packers per glass panel into the bottomrail and vertical rail.



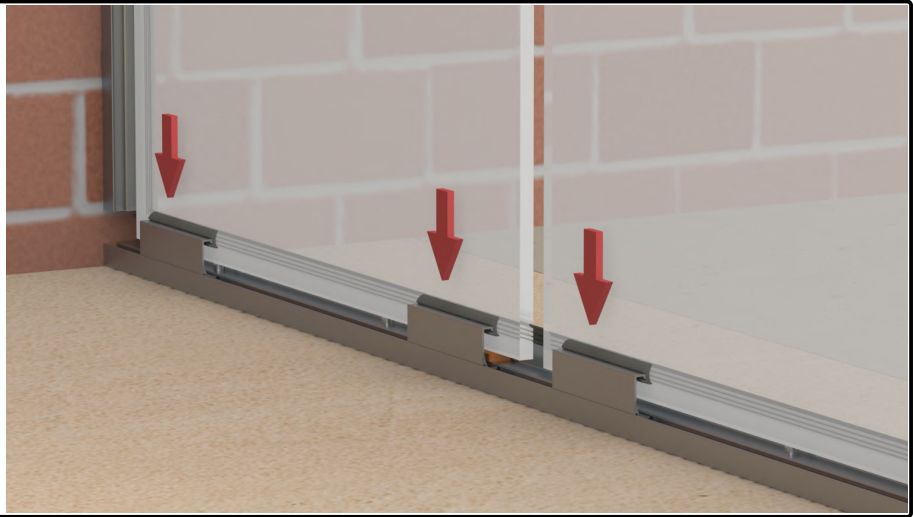
44) Place a glass panel onto the corresponding two glazing packers in the bottomrail. Pivot the panel up to make full contact with the fixed E gaskets.



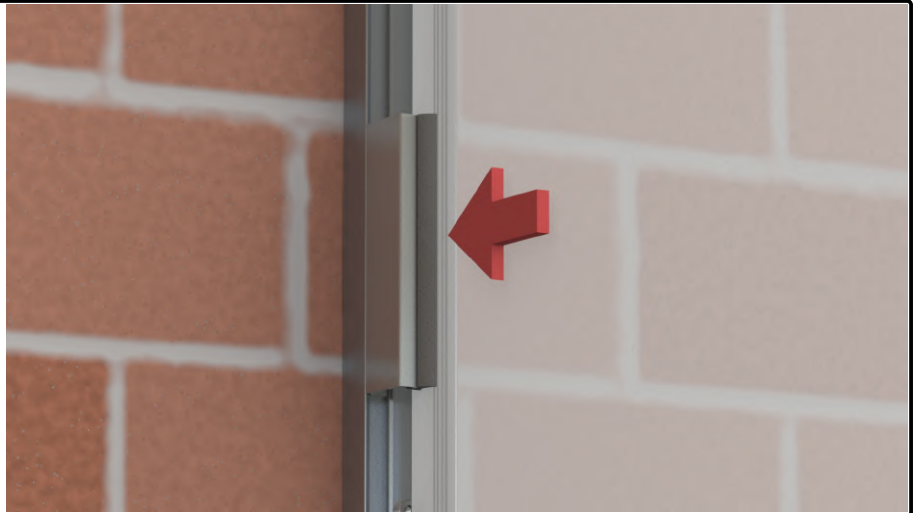
45) Use short lengths of handrail glazing bead and 3mm wedge gasket to temporarily hold the glass panels.



46) Use short lengths of bottomrail glazing bead and 3mm wedge gasket to temporarily hold the glass panels.



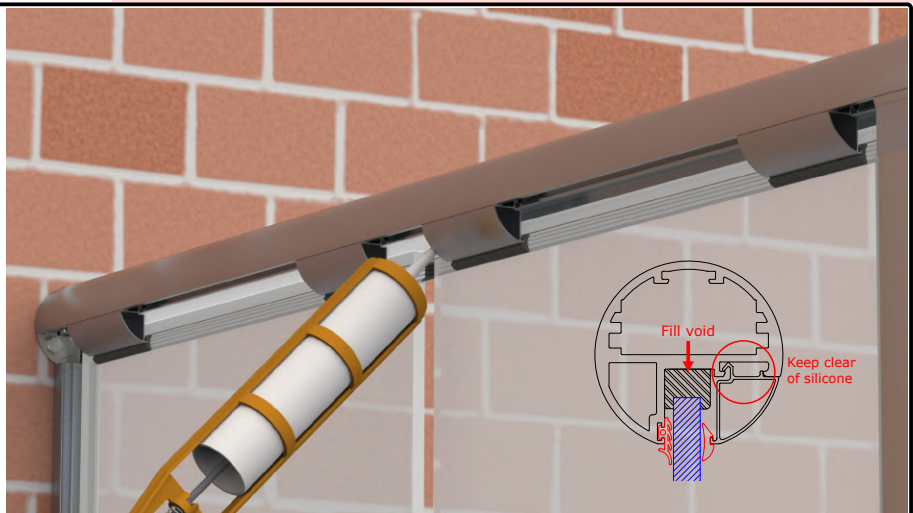
47) Use short lengths of vertical rail glazing bead and 3mm wedge gasket to temporarily hold the glass panels.



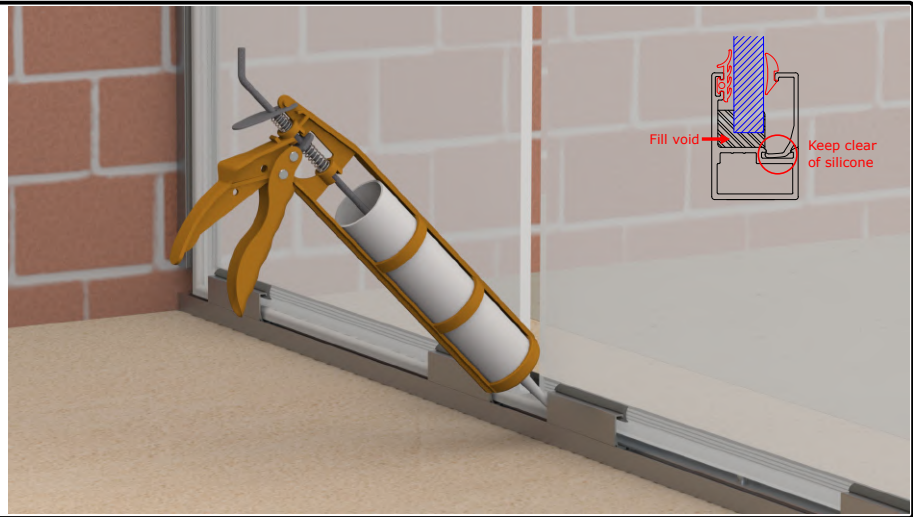
48) Adjust the glass panels and gaps as required.



49) Using good quality neutral silicone apply a continuous bead to fill the void between the handrail and the glass panel(s)



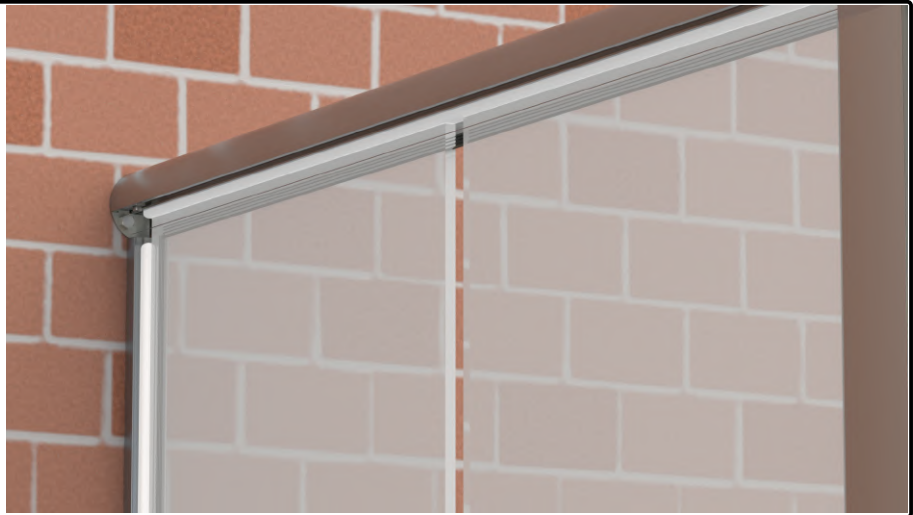
50) Using good quality neutral silicone apply a continuous bead to fill the void between the bottomrail and the glass panel(s)



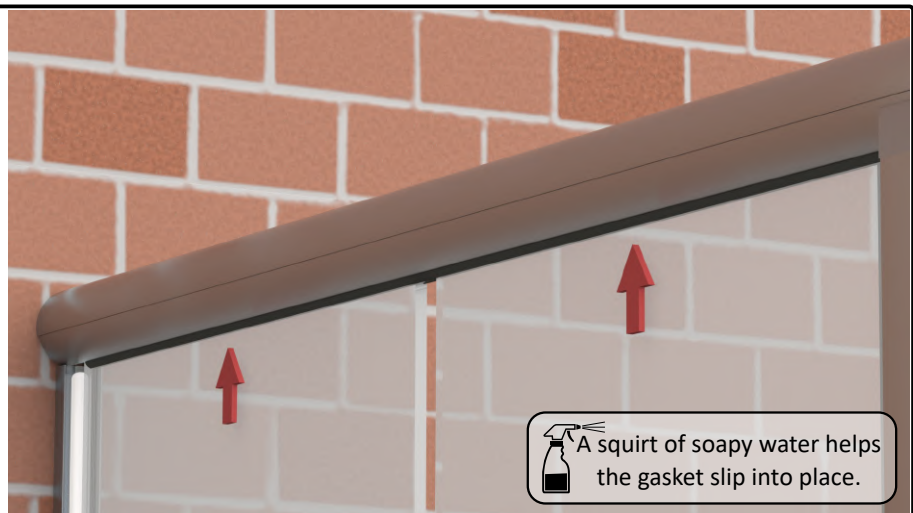
51) Using good quality neutral silicone apply a continuous bead to fill the void between the vertical rail and the glass panel(s)



52) Once the silicone has fully cured remove the short lengths of handrail glazing bead and wedge gasket.



53) Install the full length handrail glazing bead and 3mm wedge gasket.




54) Once the silicone has fully cured remove the short lengths of bottomrail glazing bead and wedge gasket.

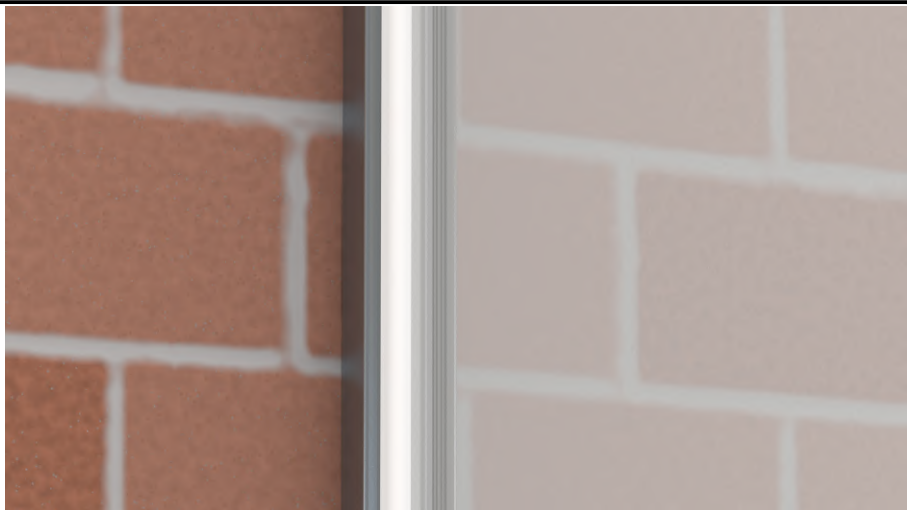


55) Install the full length bottomrail glazing bead and 3mm wedge gasket.



 A squirt of soapy water helps the gasket slip into place.


56) Once the silicone has fully cured remove the short lengths of vertical rail glazing bead and wedge gasket.



57) Install the full length vertical rail glazing bead and 3mm wedge gasket.

Repeat these steps to complete your installation.



 A squirt of soapy water helps the gasket slip into place.

### Orbit Privacy Screen (only)





### Orbit Privacy Screen with Orbit Balustrade

