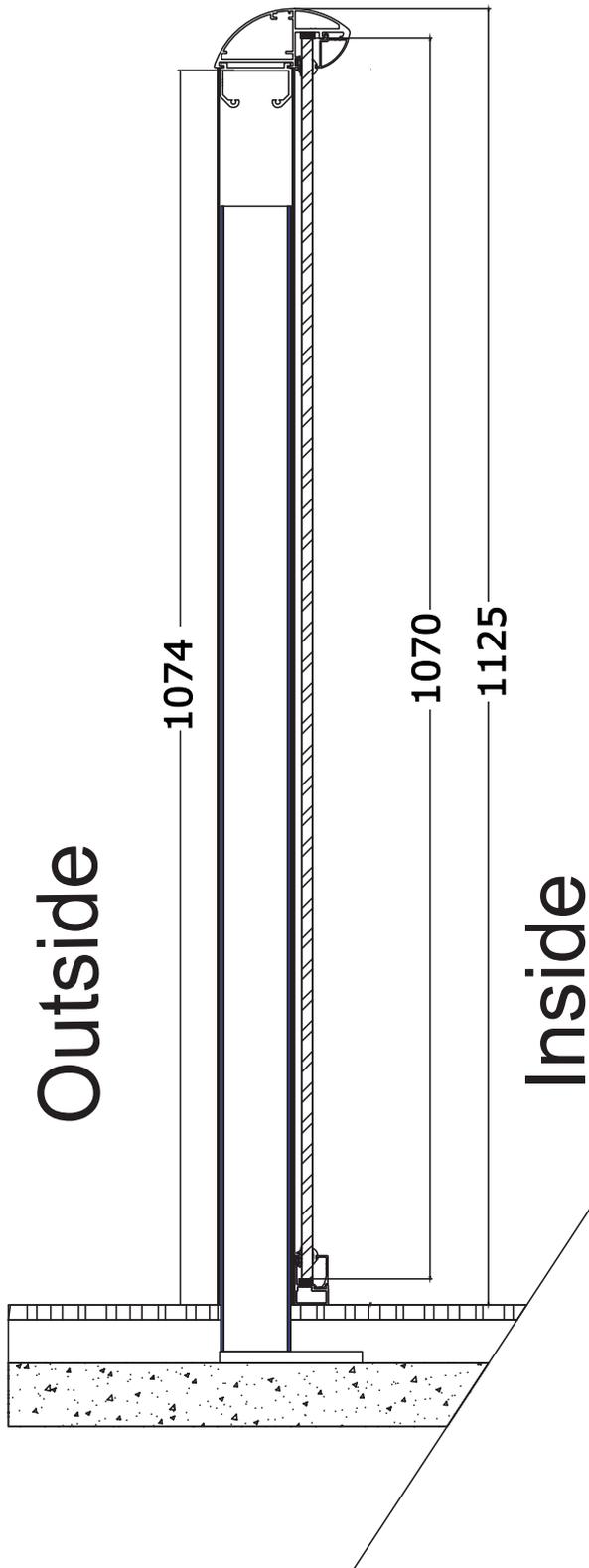


## Aerofoil System Glass Balustrade Installation Instructions

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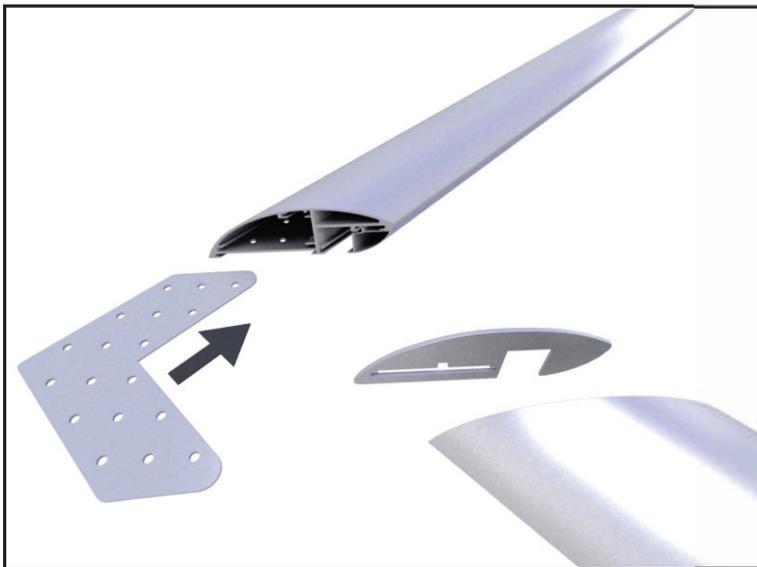
Fax: +44 1342 410412

Unit 6, Systems House,  
Eastbourne Road,  
Blindley Heath, Lingfield,  
Surrey, RH7 6JP,  
United Kingdom

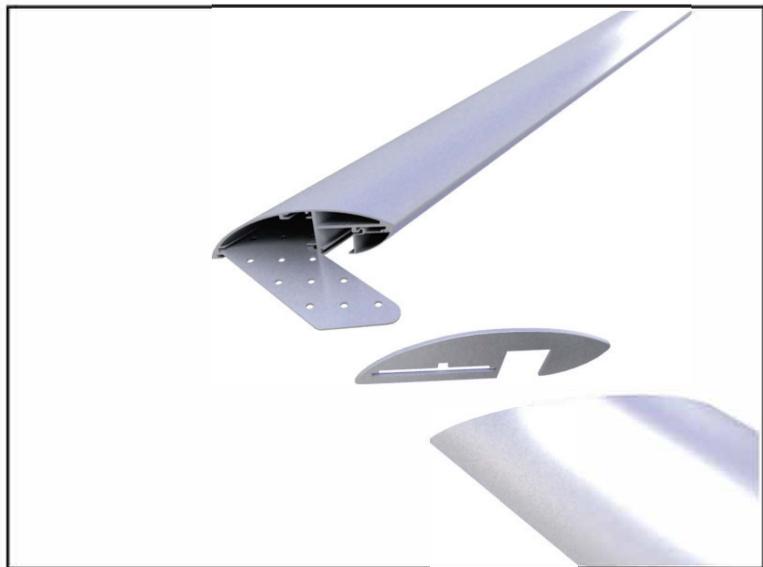
- Check you have all the parts of the order.
- Check the height of the glass.
- Check the height of the posts.
- Check both these heights against the required height on site making sure they are correct before assembling.\*

\*Please note the indicated sizes in this document refer to our standard height of such systems.

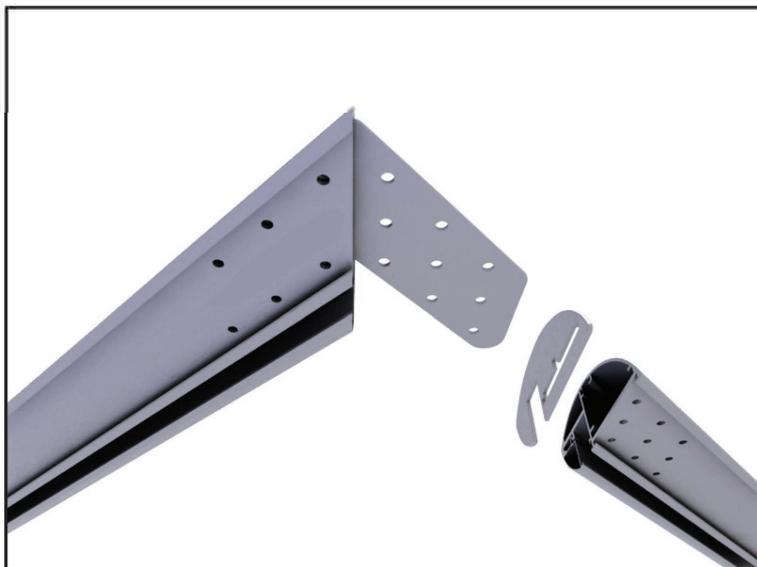
\*Do not scale from the drawings in this document.



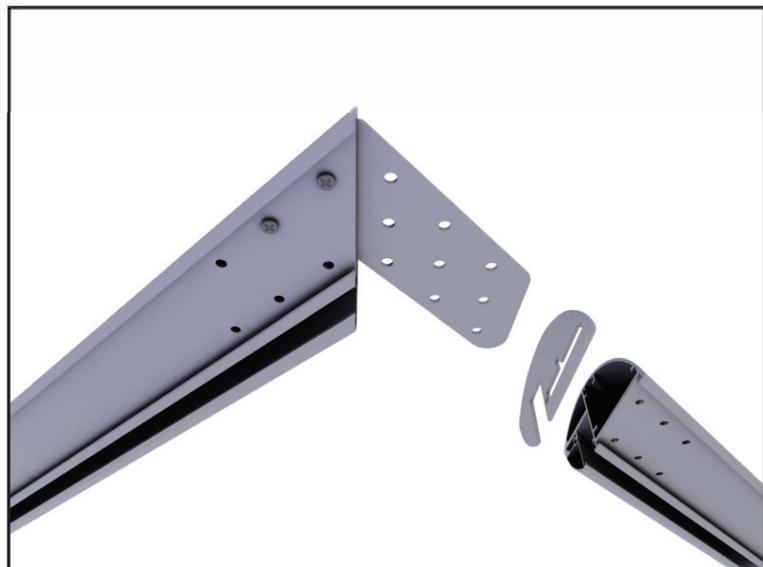
1 Prepare to assemble the handrail corner



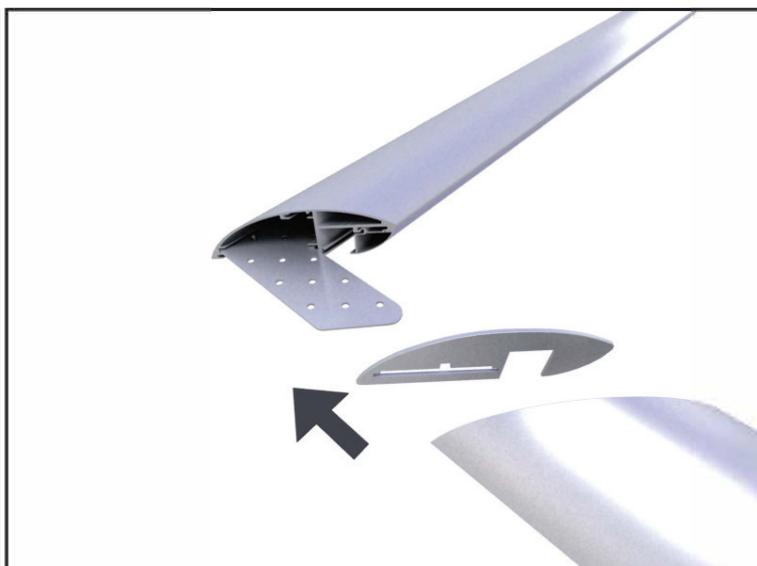
2 Slide corner joint plate into one of the handrails



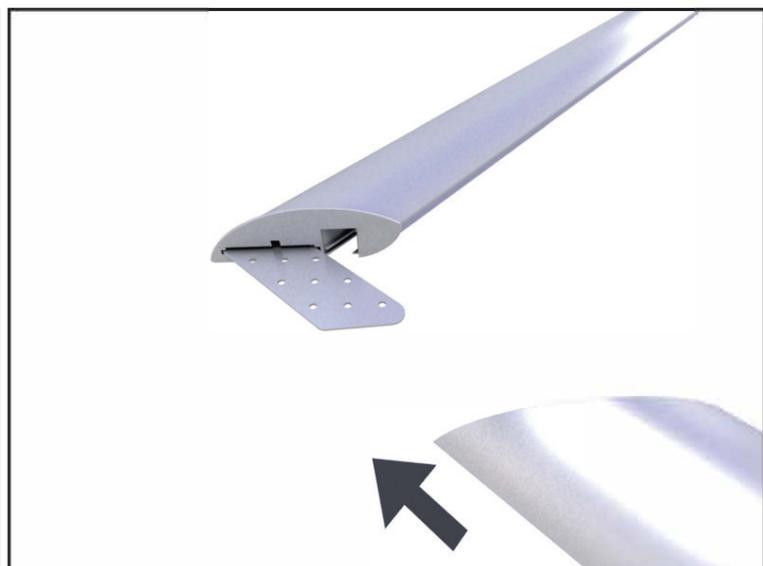
3 Tighten the screws



4 Tighten the screws



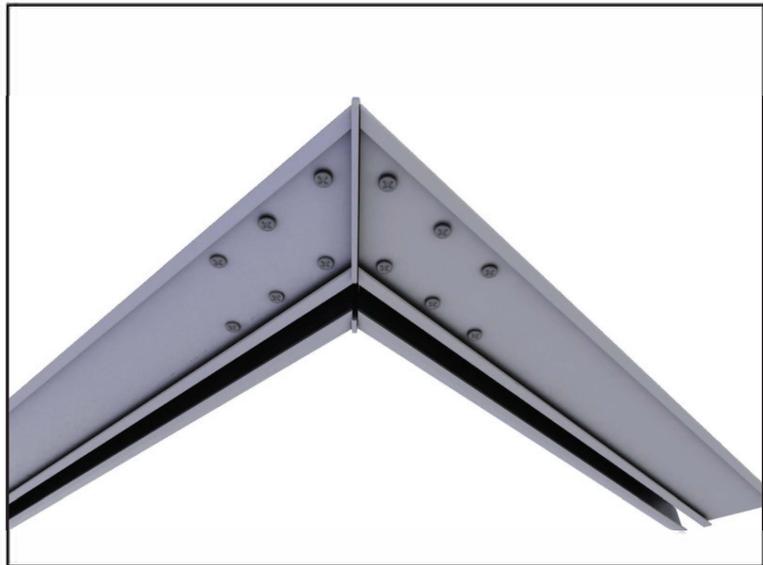
5 Slide mitre plate onto corner plate



6 Bring handrail to butt up to mitre plate



7 Tighten all screws



8 Tighten all screws. In this fashion join all handrail parts together.



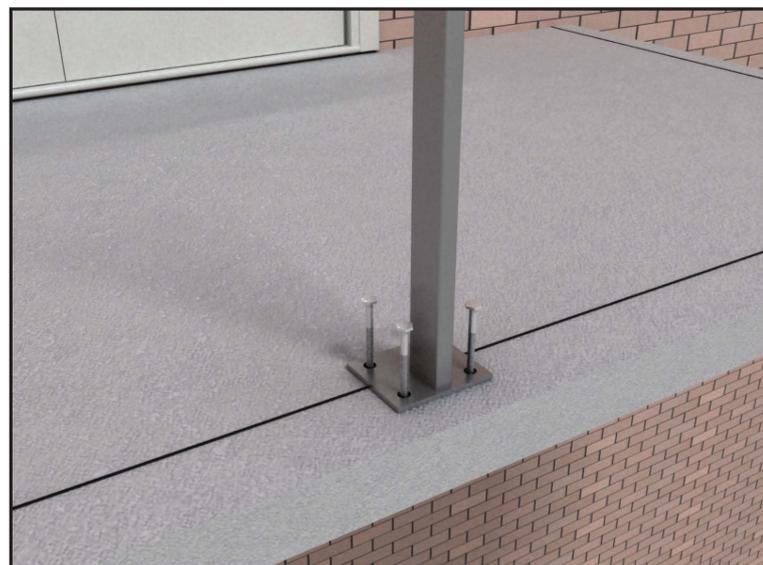
9 Place handrail on the floor in position to make sure the dimension and shape fit



10 Mark lines for later positioning of bottom track



11 Position the primary steel post/s in the correct position



12 Position the primary steel post/s in the correct position/s.



**13** Use the appropriate fixings (Post fixing can be done at primary stage by locating the posts using measurements)



**14** Finish the flooring, decking, screed, floor finish etc. to the required height. This should conceal the base plate and bolts



**15** Apply a thick bead of silicone sealant around the primary steel post in a spiral fashion



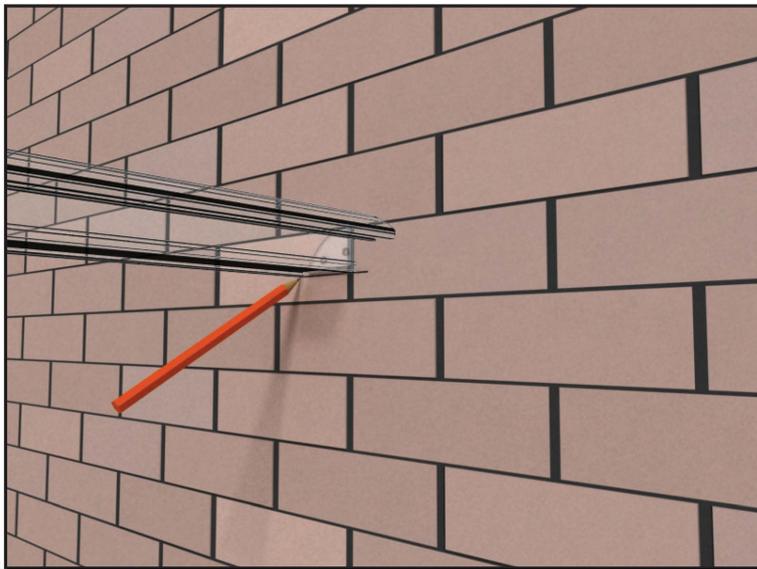
**16** Slide the system cover post onto the primary post



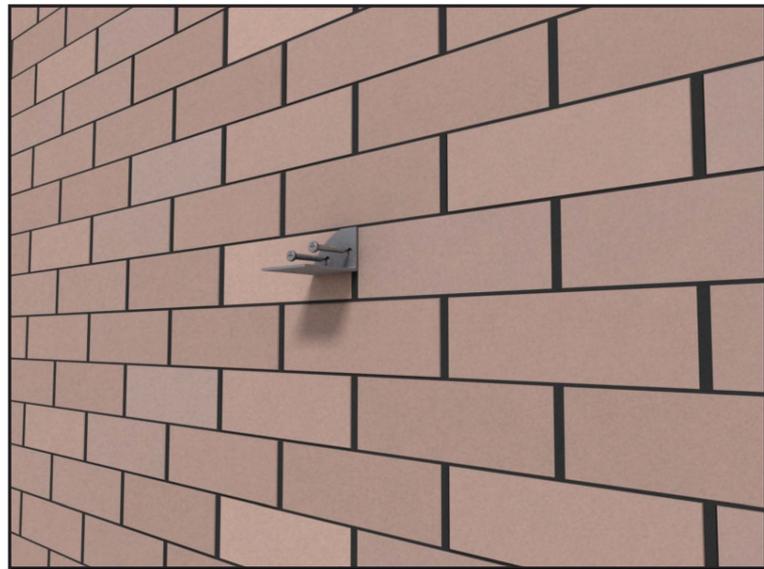
**17** Check that the system cover post is sitting on finished floor level.



**18** Aluminium post in position



19 Using a level mark the position required to fix the wall fixing bracket.



20 Use the appropriate fixings.



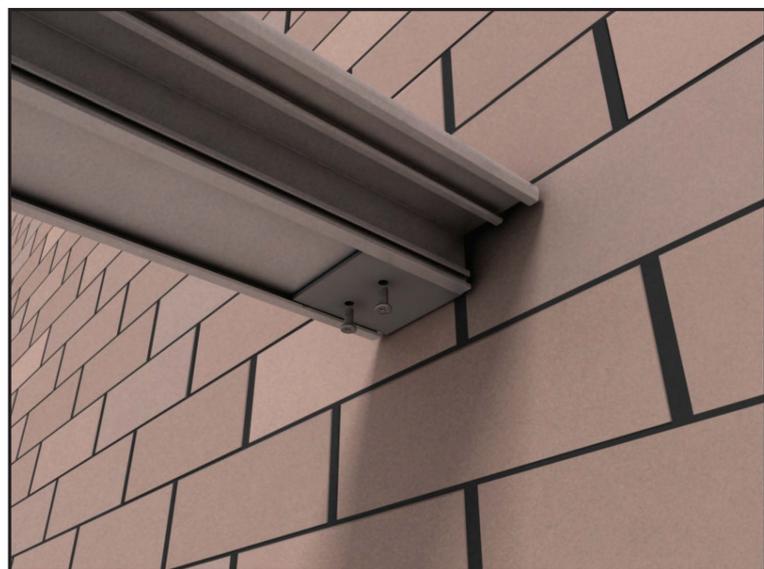
21 Secure the wall bracket to the wall.



22 Bring the handrail into position



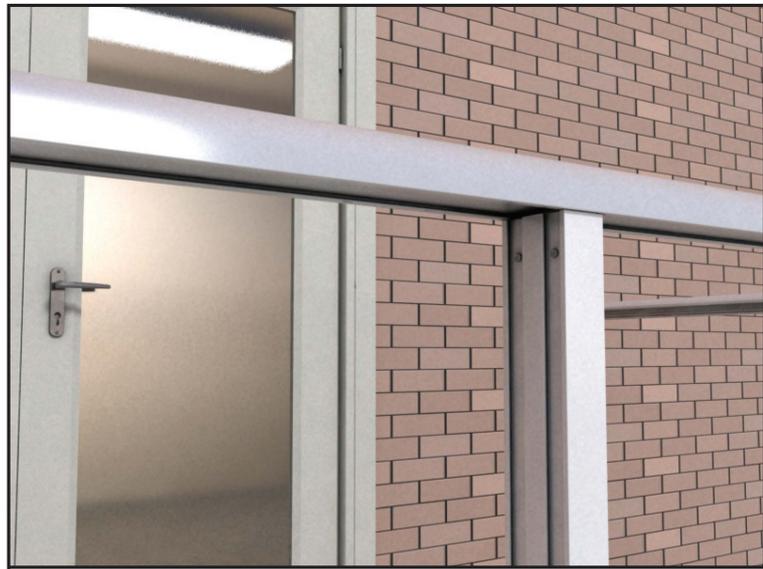
23 Drop the handrail onto the angle bracket



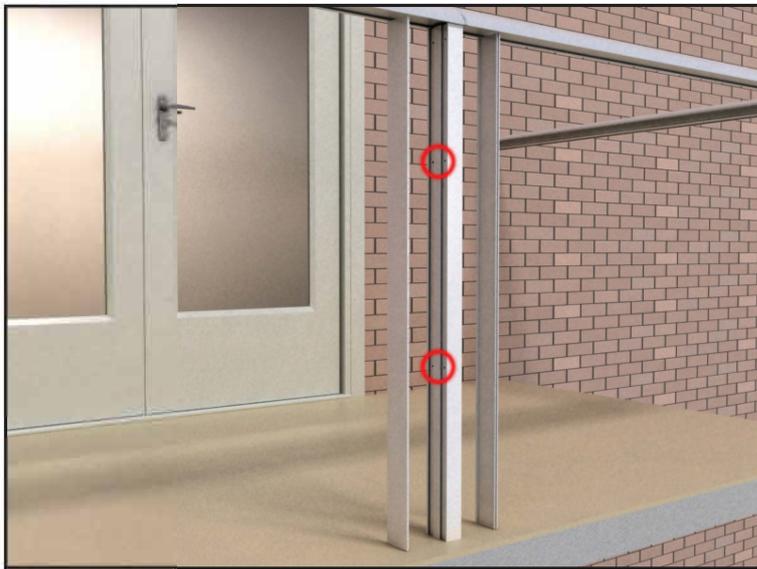
24 Drill 4mm holes through the brackets in the handrail. Fix the handrail to the wall bracket using the No. 10x 3/4" S/tapping screw.



25 Handrail connector fits into top of post



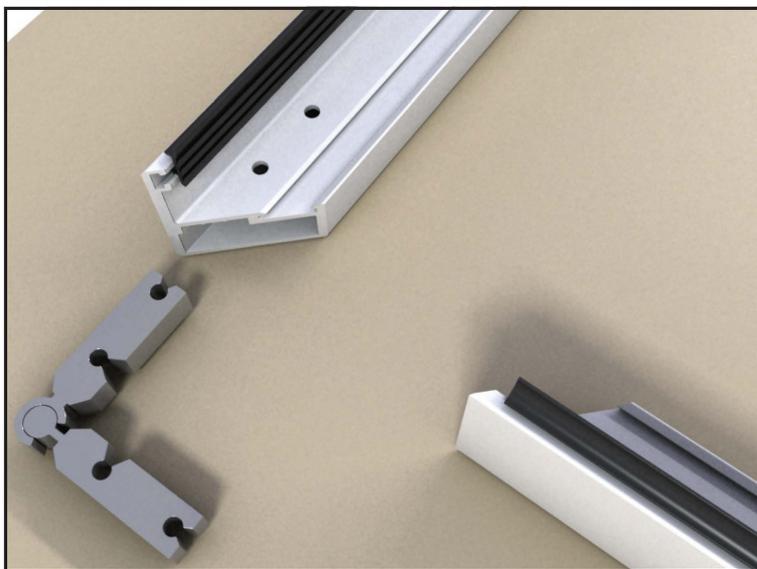
26 Fix the post into the post connector the No. 8 x1/2" S/tapping screws provided



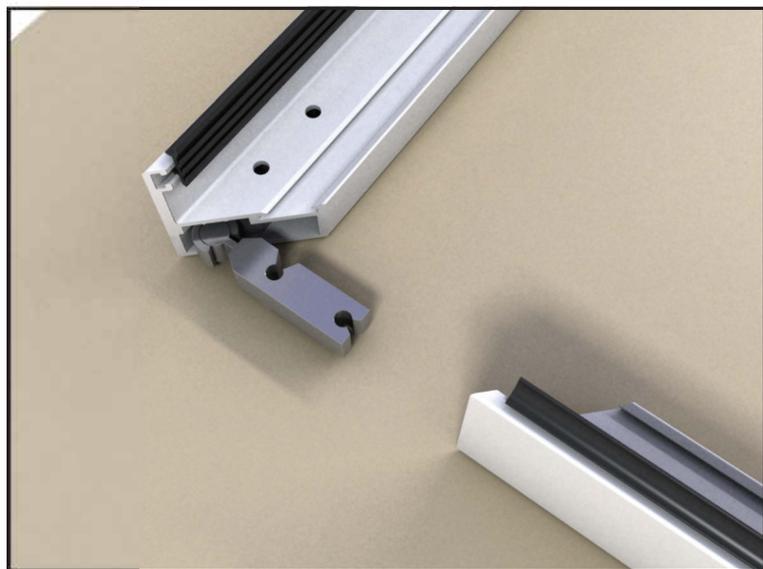
27 Drill and screw a few screws to fix the aluminum post to the primary post



28 Place the aluminium post covers in position



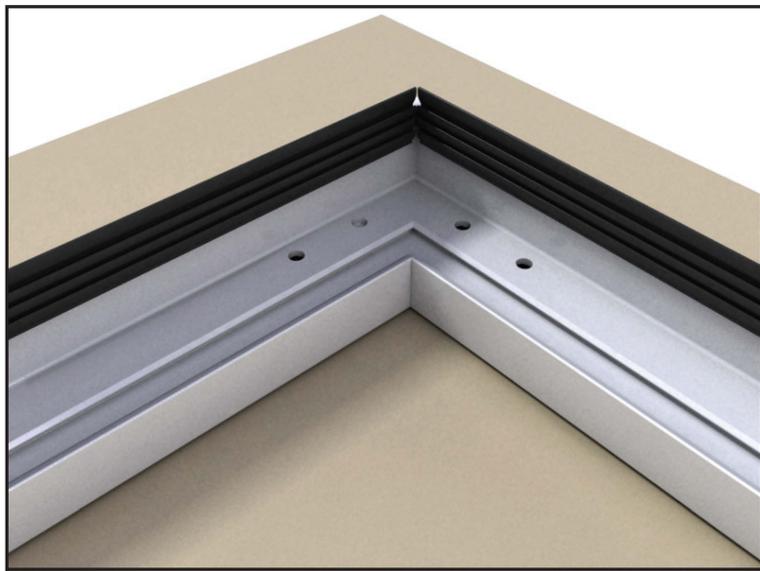
29 Prepare to assemble the bottom track



30 Slide the corner joint in one of the bottom rails.



31 Insert into the other bottom rail corner



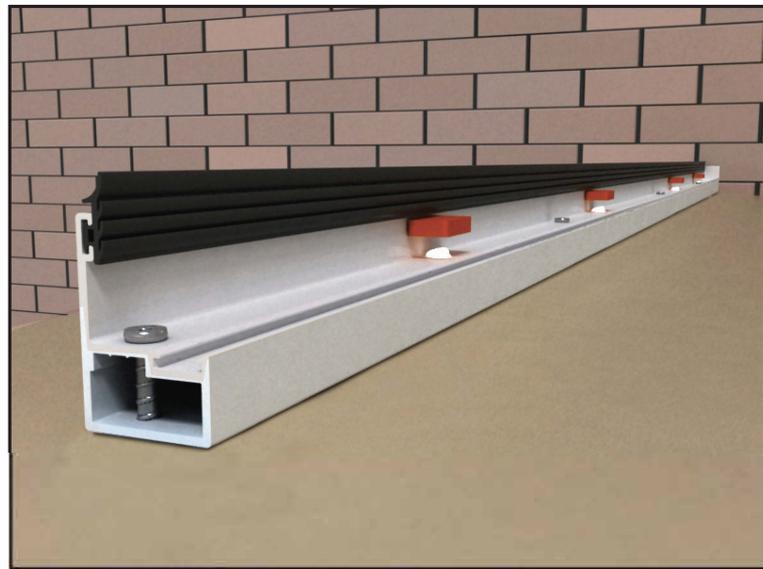
32 and tighten the screws



33 Place the bottom track into position.



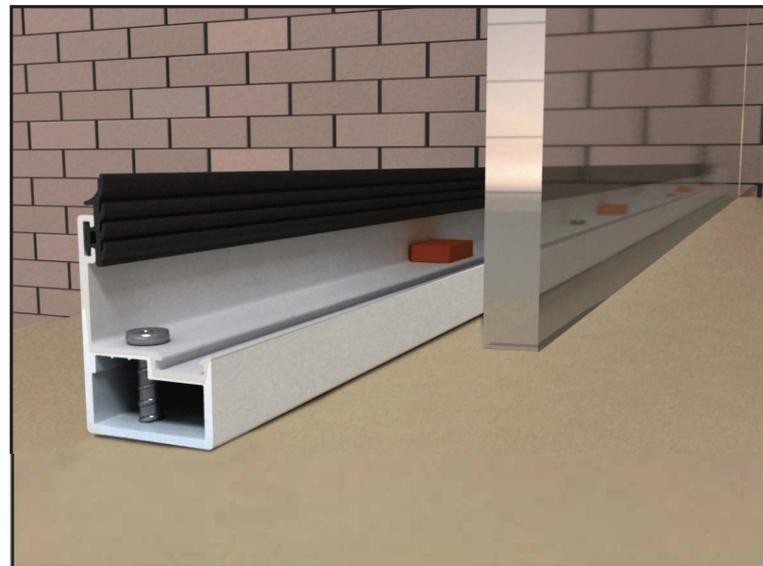
34 Drill into the floor/structure through the bottom rail to fix it.



35 Place two 5mm (orange) spacers per required glass panel onto the bottom rail



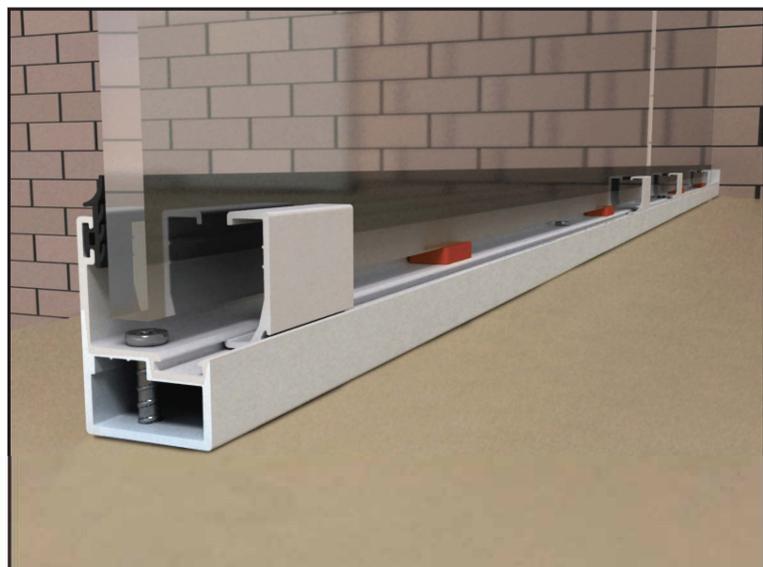
36 Use silicone to stick them to the bottom rail



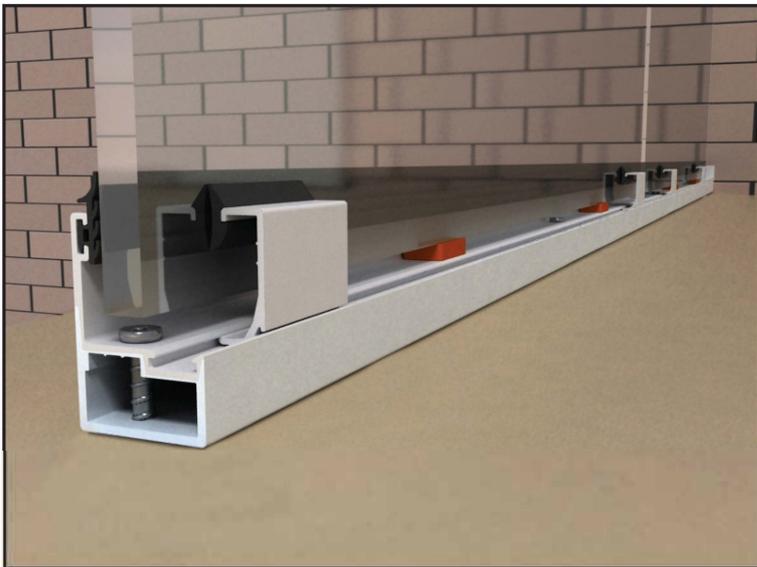
37 Identify glass sizes and where they are to go



38 Place one glass panel at a time into position



39 Use the short pieces of glazing bead to temporarily hold the glass in position



40 Use 3mm rubber gaskets to hold the glass against the small bead pieces



41 Place one glass panel at a time into position



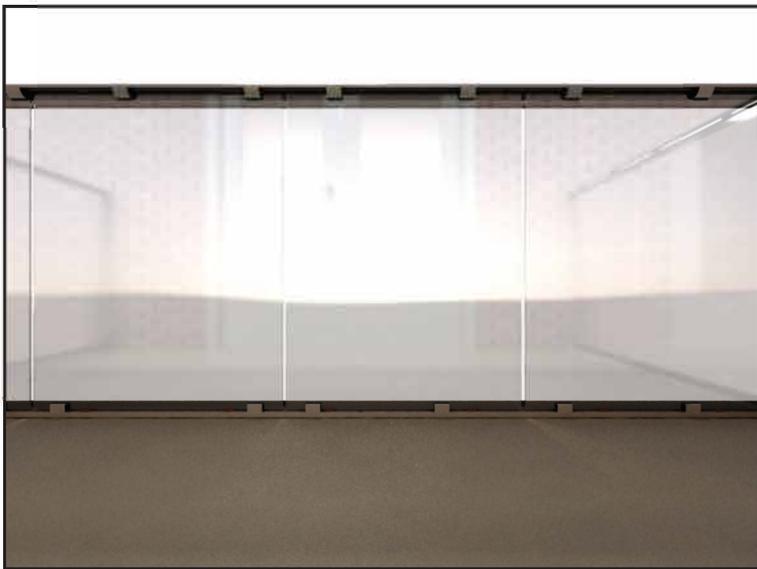
42 Use the short pieces of glazing bead to temporarily hold the glass in position



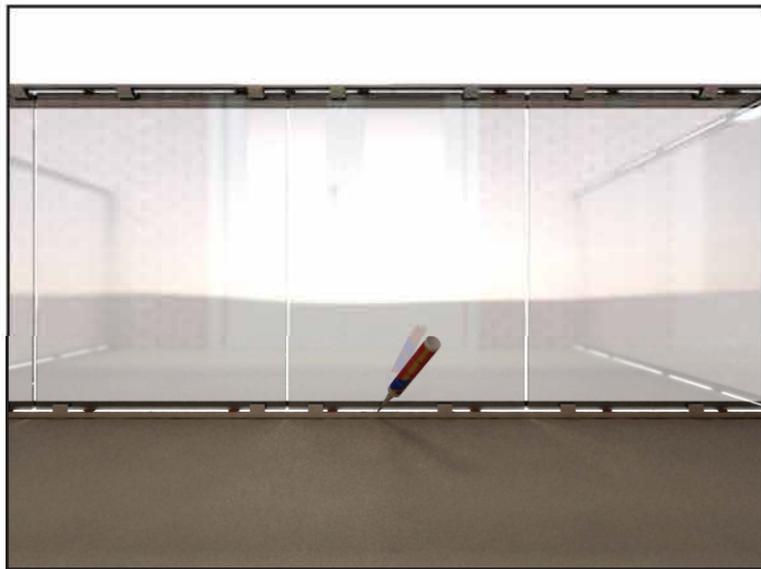
43 Use 3mm rubber gaskets to hold the glass against the small bead pieces



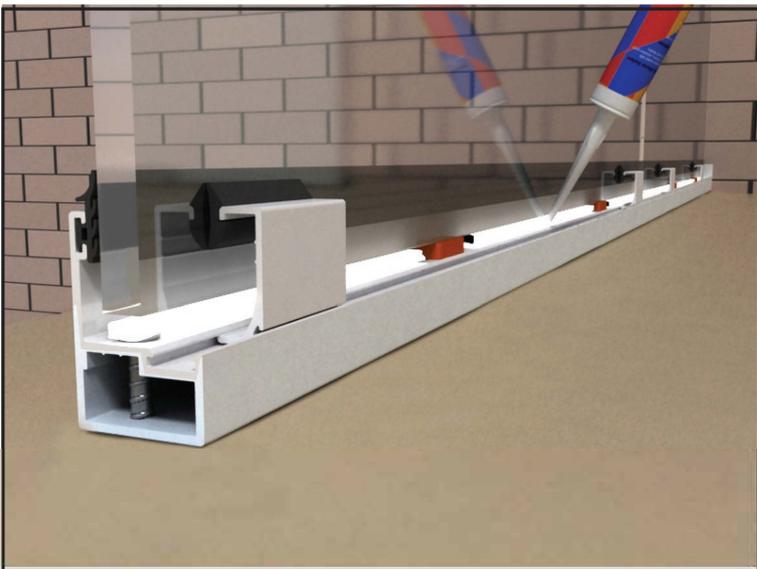
44 Use 3mm rubber gaskets to hold the glass against the small bead pieces.



45 Align all the glass panels to have correct gaps. Use the glazing packers to lift one side or the other if needed



46 When everything lines up and all correct silicone it all.



47 Apply a thick bead of high quality silicone sealant to continuously fill the gap between bottom of glass and bottom rail



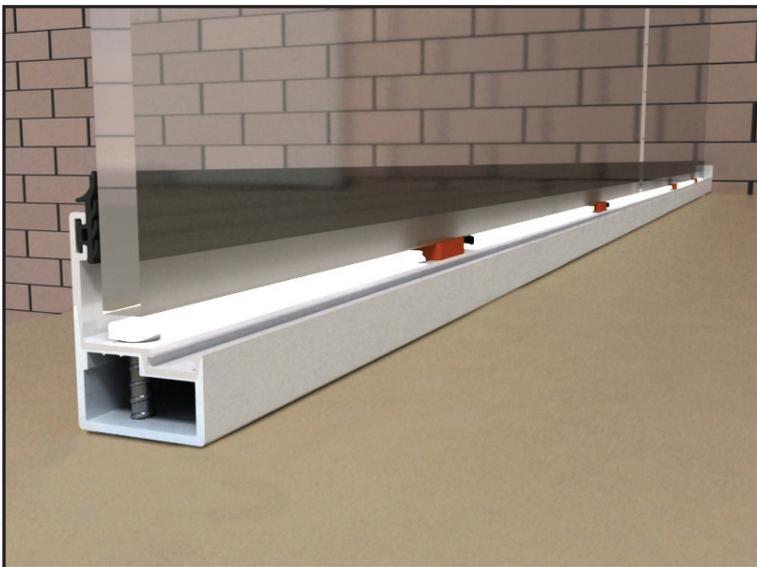
48 Apply a thick bead of high quality silicone sealant to continuously fill the gap between top of glass and handrail



49 Wait until the silicone is completely dry



50 Wait until the silicone is completely dry



51 Remove the temporary glazing beads and rubber gaskets



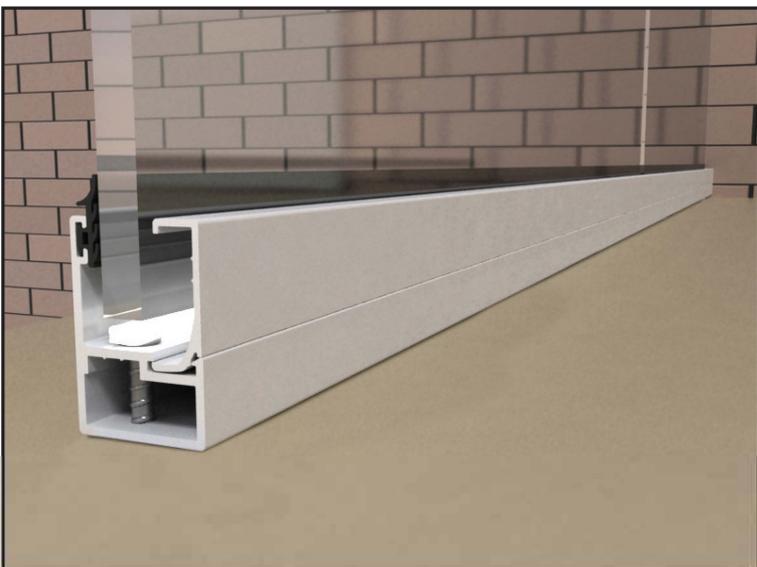
52 Remove the temporary glazing beads and rubber gaskets



53 Replace the full length glazing beads



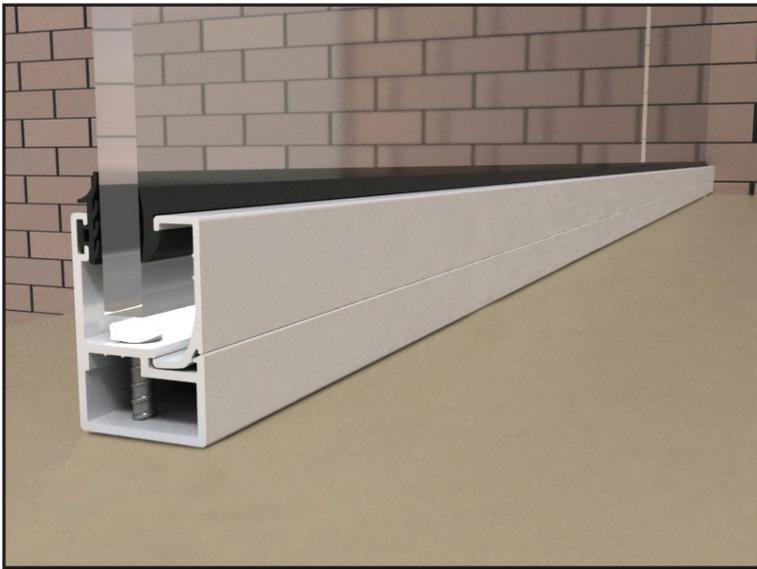
54 Replace the full length glazing beads



55 Replace the full length glazing beads



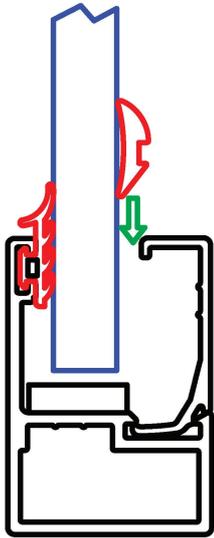
56 Replace the full length glazing beads



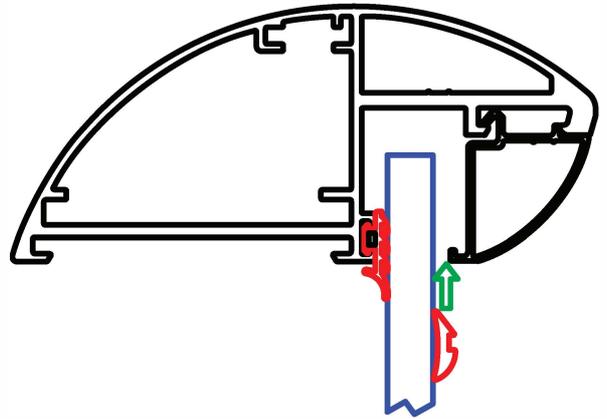
57 Strengthen the grip with rubber gaskets



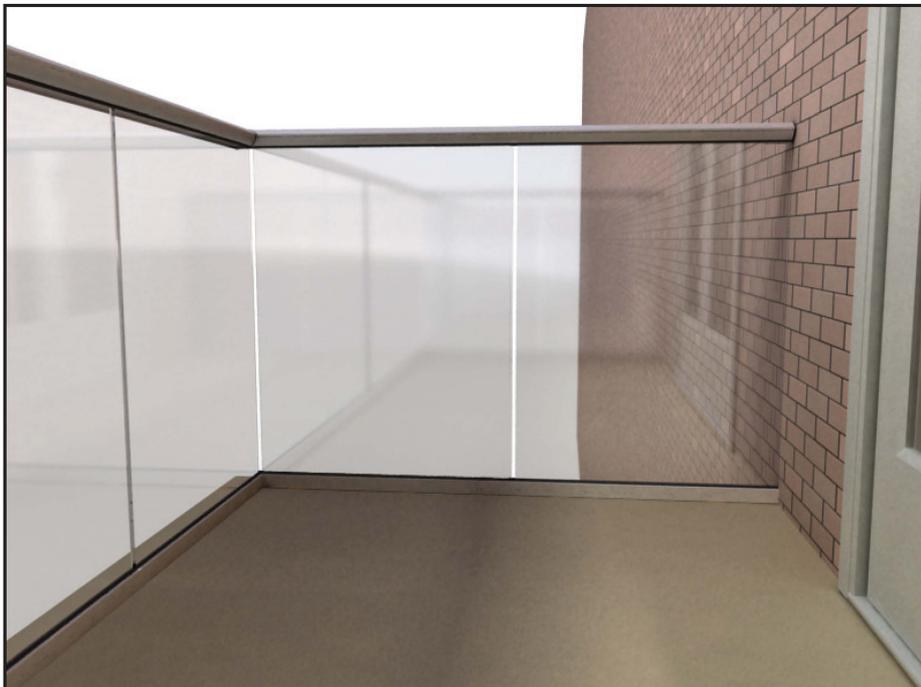
58 Strengthen the grip with rubber gaskets



59 Using soapy water can make it easier to push rubber in



60 Using soapy water can make it easier to push rubber in



## Additional options

### 5mm packers under bottom rail



61\* Drill into the floor/structure through the bottom rail to fix it.



62\* If required, place 5mm aluminium spacers under the bottom rail



63\* Place the spacers so they meet up the screws

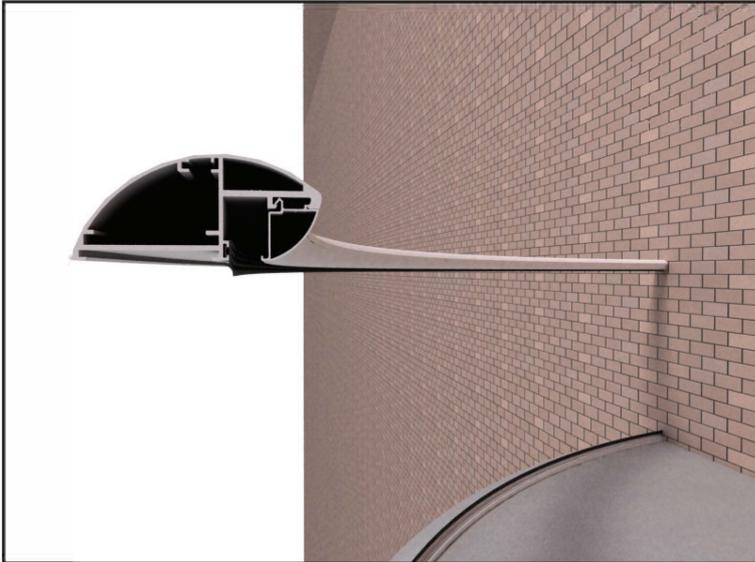


64\* Tighten bottom rail to the floor

## Additional options

### Curved handrails/balustrades

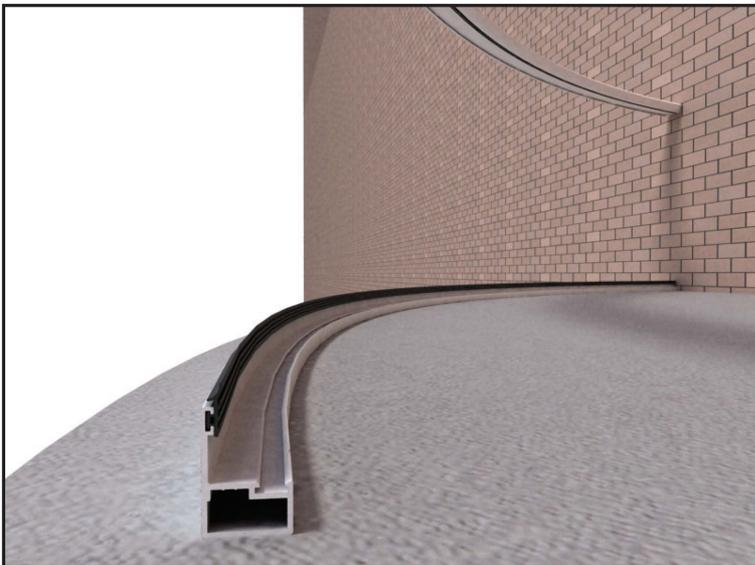
On occasion it is difficult or not possible to remove the glazing bead, in these cases follow this procedure



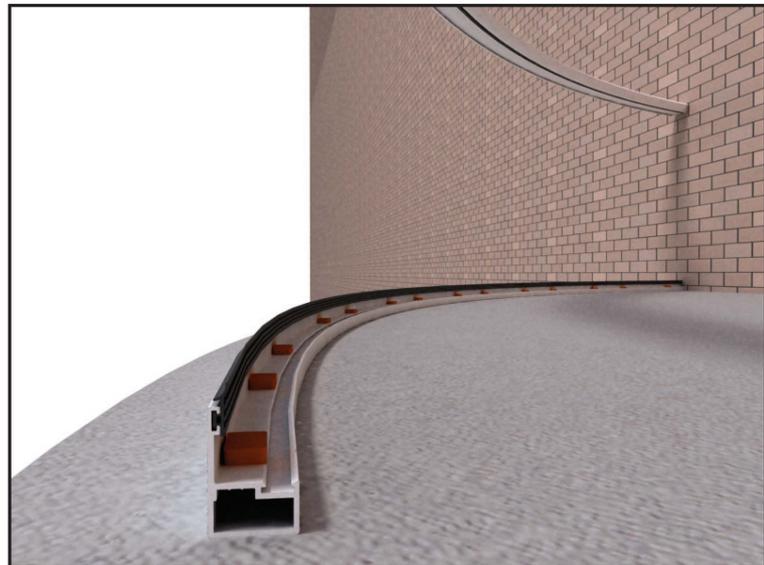
65\* Leave the handrail glazing bead in position.



66\* Remove the rear fixed rubber from the handrail



67\* Remove the glazing bead from the bottom rail



68\* Place two orange 5mm packers per glass on the bottom rail



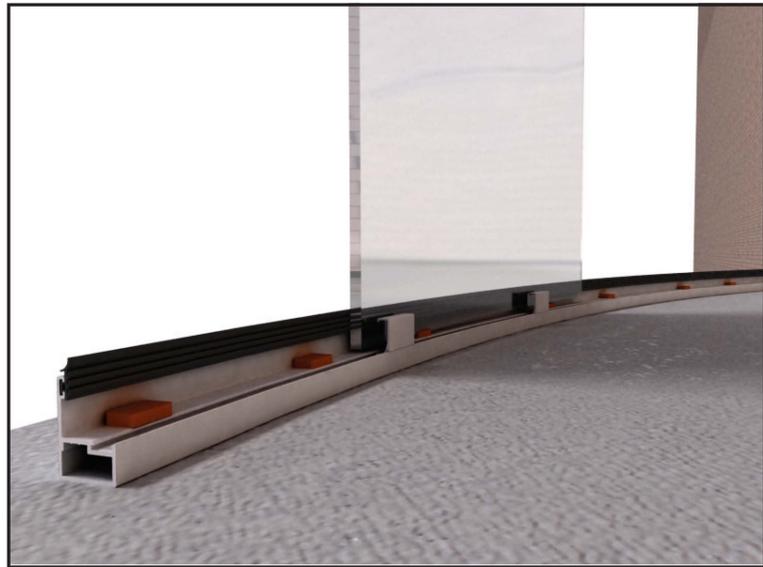
69\* Identify the glass panels and where they should go



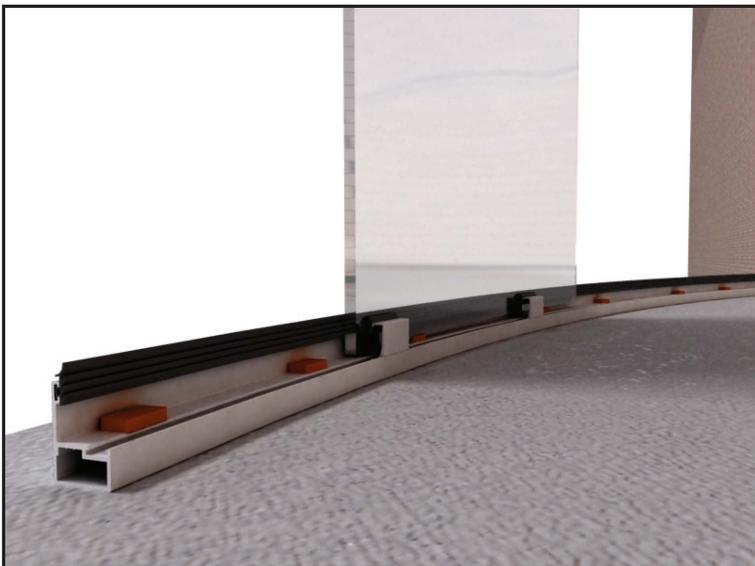
70\* Taking one glass at a time insert the panel upwards into the gap between the glazing bead and handrail



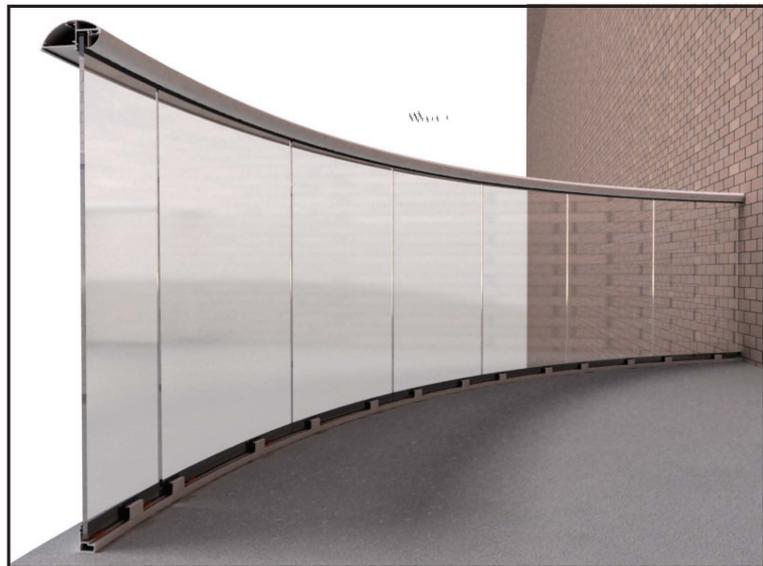
71\* Lower the glass back down onto the orange packers



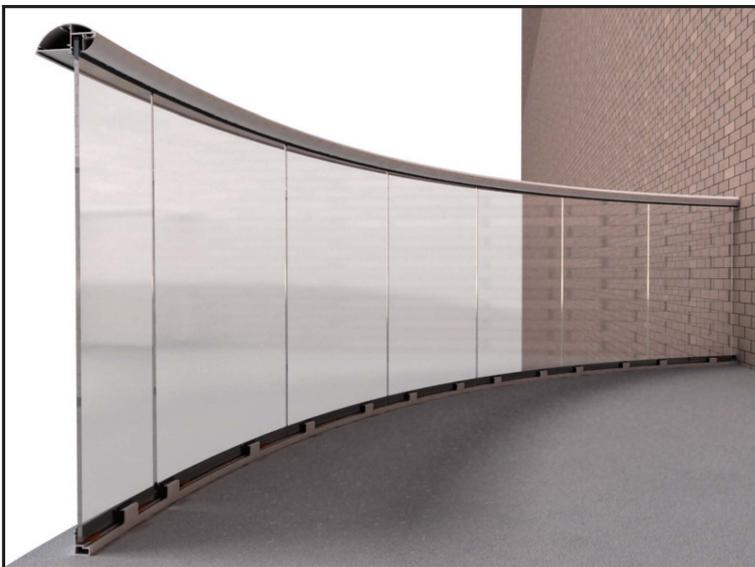
72\* Place small temporary glazing beads on the bottom rail, two per glass panel



73\* Push in 3mm rubber to hold them firmly against the glass



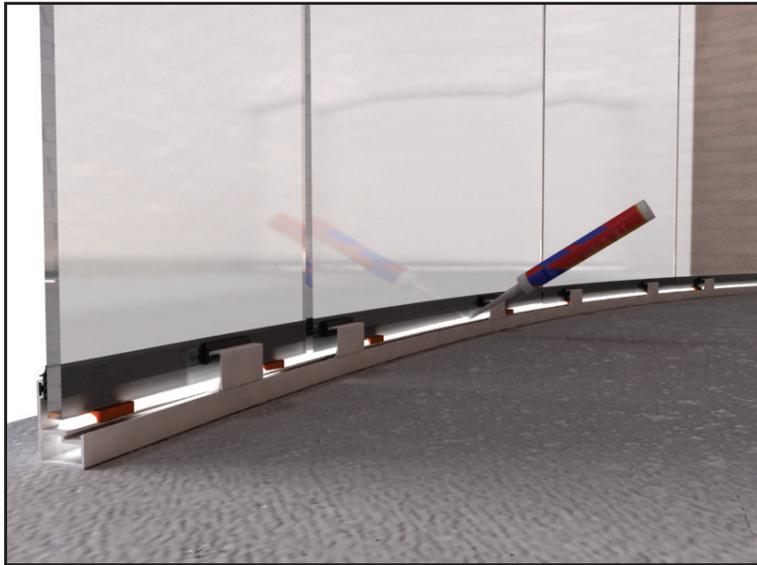
74\* In this fashion, one at a time insert all the glass panels



75\* Align all the panels and gaps



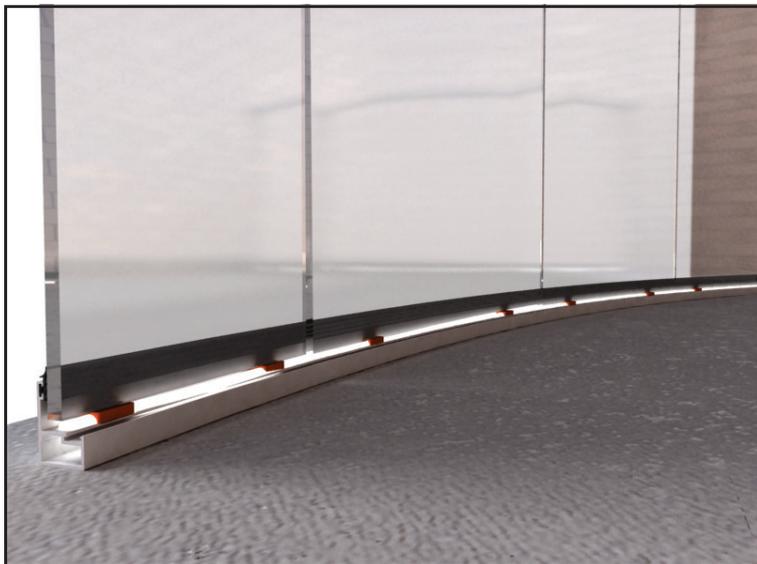
76\* Inject silicone by pushing the silicone nozzle into the gap between the bead and glass and pushing silicone upwards into the cavity



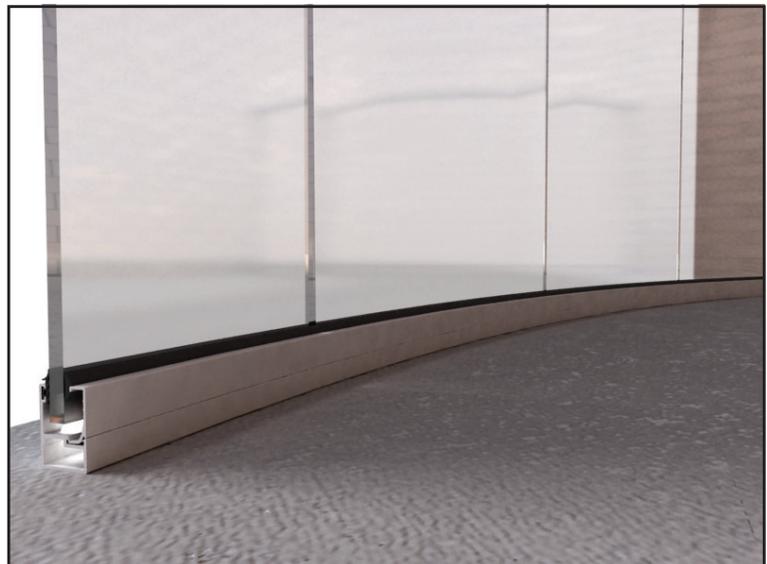
77\* Apply a thick bead of high quality silicone sealant to continuously fill the gap between bottom of glass and bottom rail



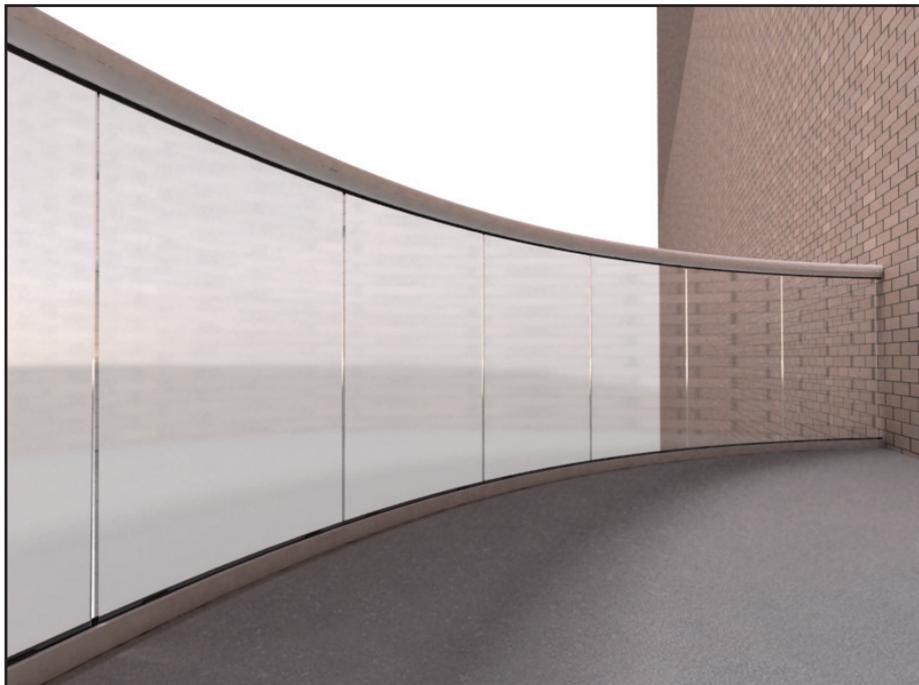
78\* Glaze the top rail using 3mm rubber both sides (not the fixed rubber, but same as internal rubber both sides)



79\* Once the silicone is dry on the bottom rail remove the temporary beads and replace the full length curved bead.



80\* Using the 3mm rubber glaze the bottom rail bead against the glass





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