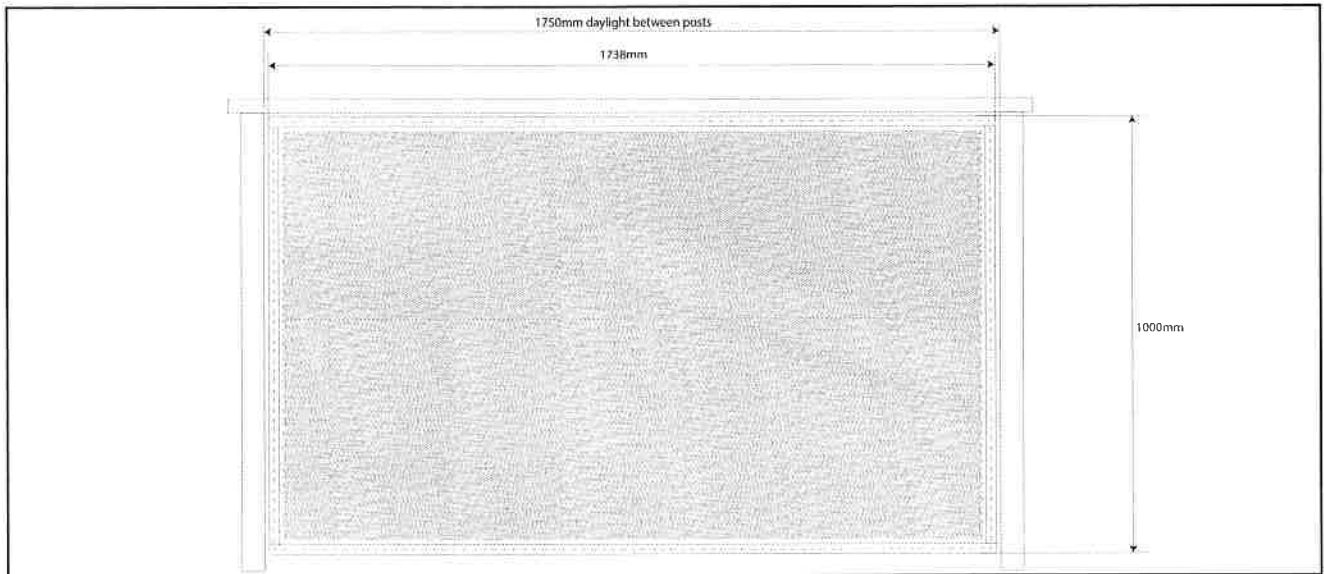




## PERF BALUSTRADE ASSEMBLY OVERVIEW

Based on maximum infill size with framing giving 1750mm wide daylight opening

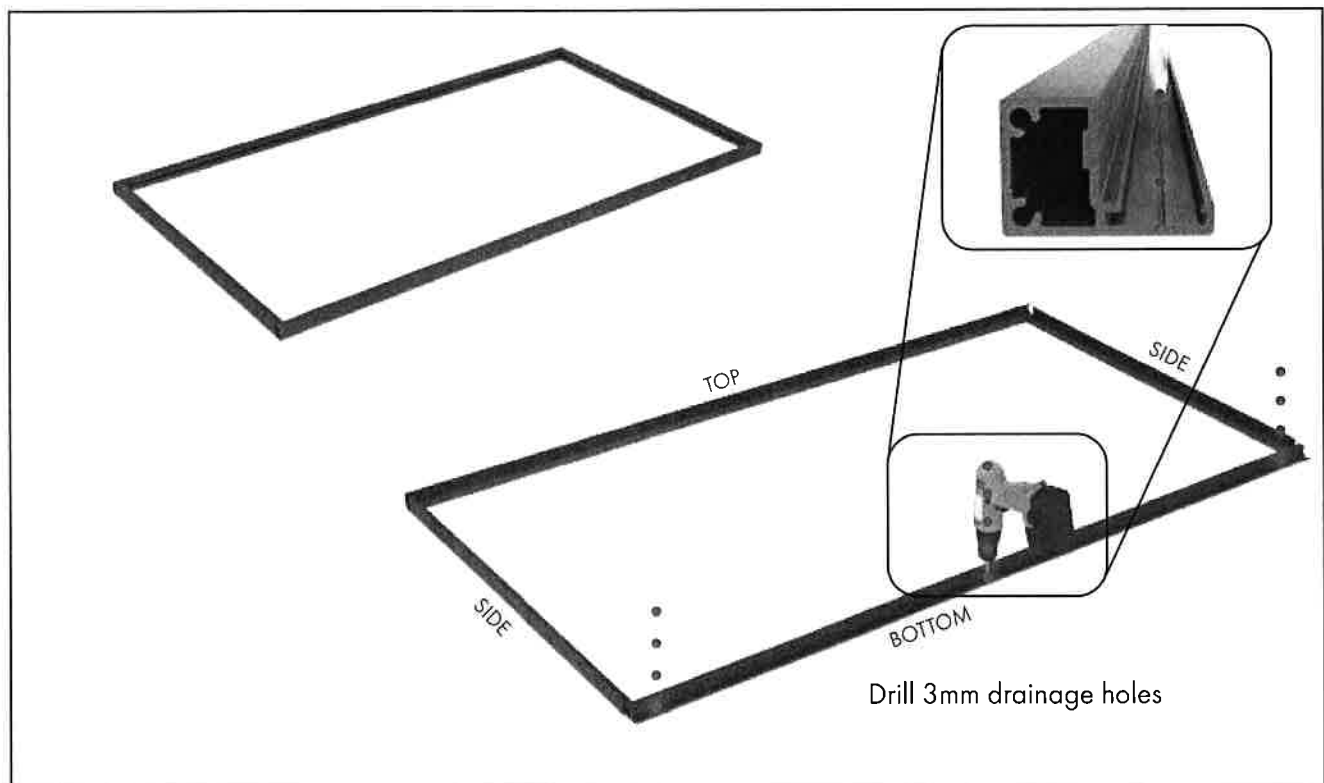


NOTE

Once assembled with framing, infill panels are 1738mm wide x 1000mm high

With U channel installed both sides, infill panels fit into an 1750mm wide opening as standard. With 50x50mm posts, this equates to centre to centre of post being 1800mm wide.

For height and width adjustment, refer end of assembly guide.

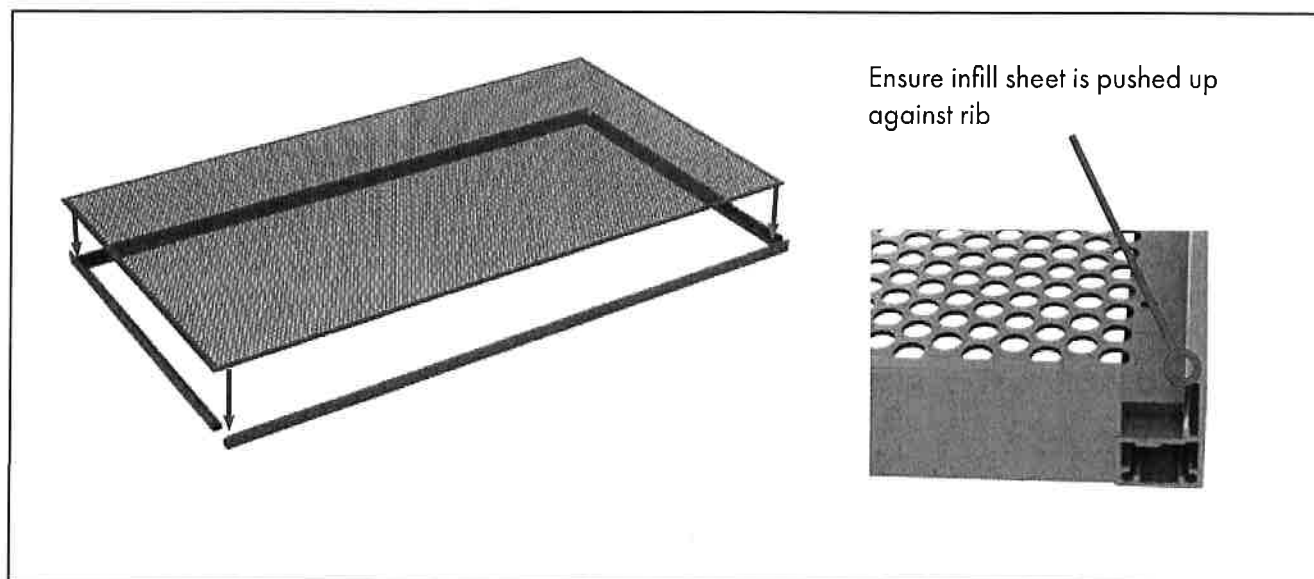


1

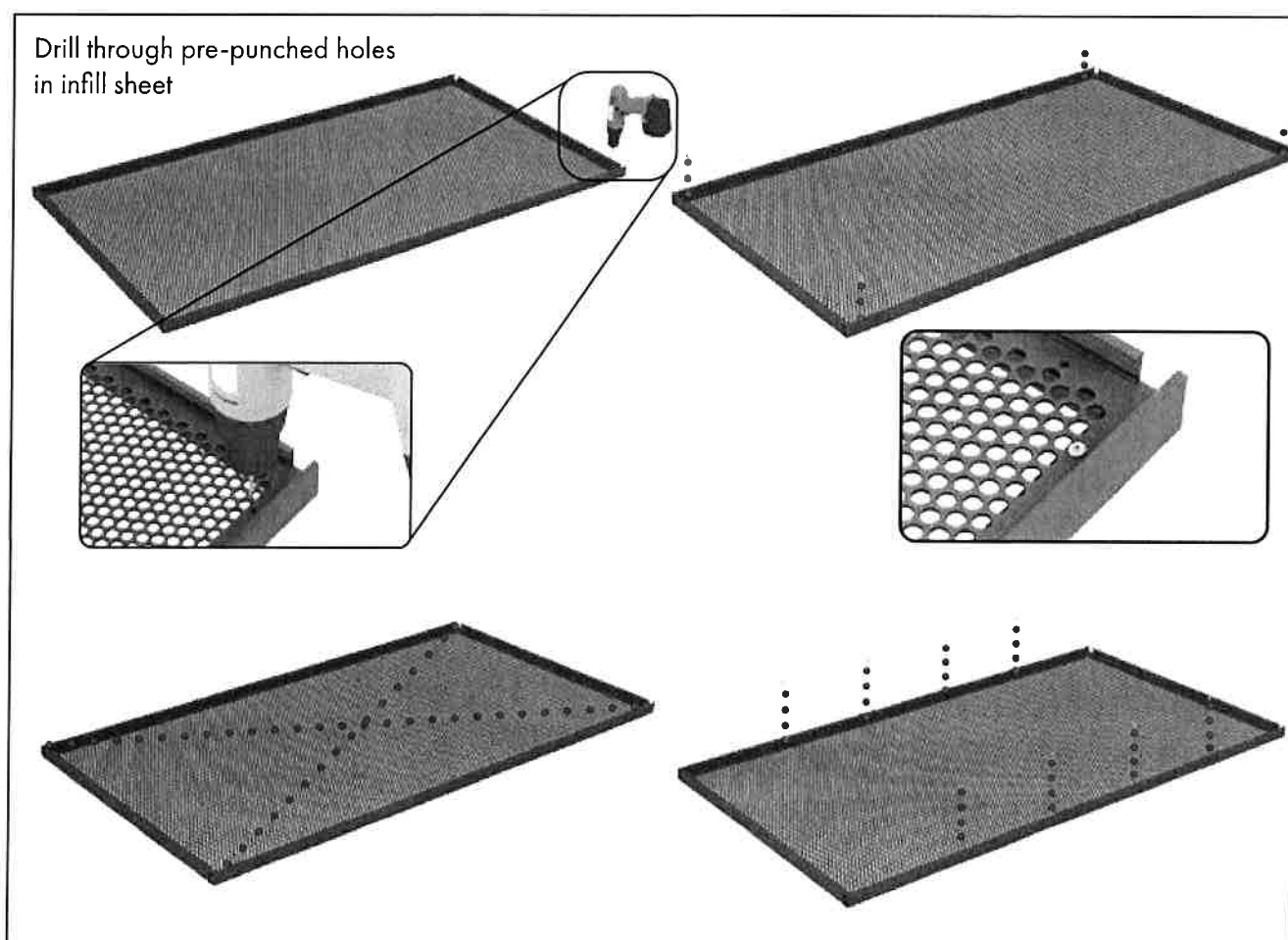
Lay out rails in picture frame (side rails inside top/bottom rails).

Drill 3mm drainage holes in bottom rail at 2 ends and midpoint

# PERF BALUSTRADE ASSEMBLY OVERVIEW



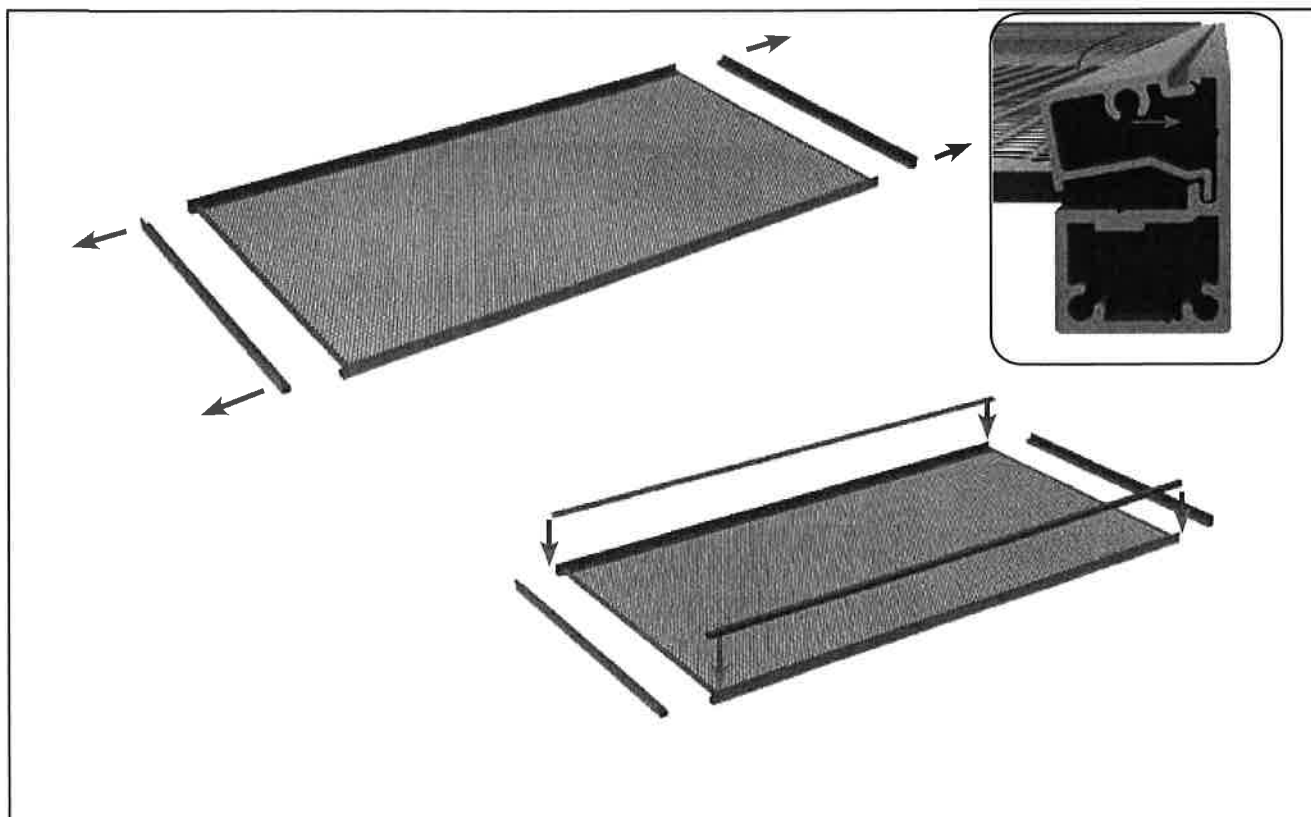
- 2** Place infill sheet in frame rebate, ensuring infill sheet is tight against rail rib on all 4 sides. Check square.



- 3** Drill 3mm pilot holes into the top and bottom outer frame rebate, aligning with the pre-punched holes in the infill sheet border. Start with the 4 outer holes and affix with self tapping wafer screws and check for squareness. Adjust as necessary before drilling and screwing the remaining holes.



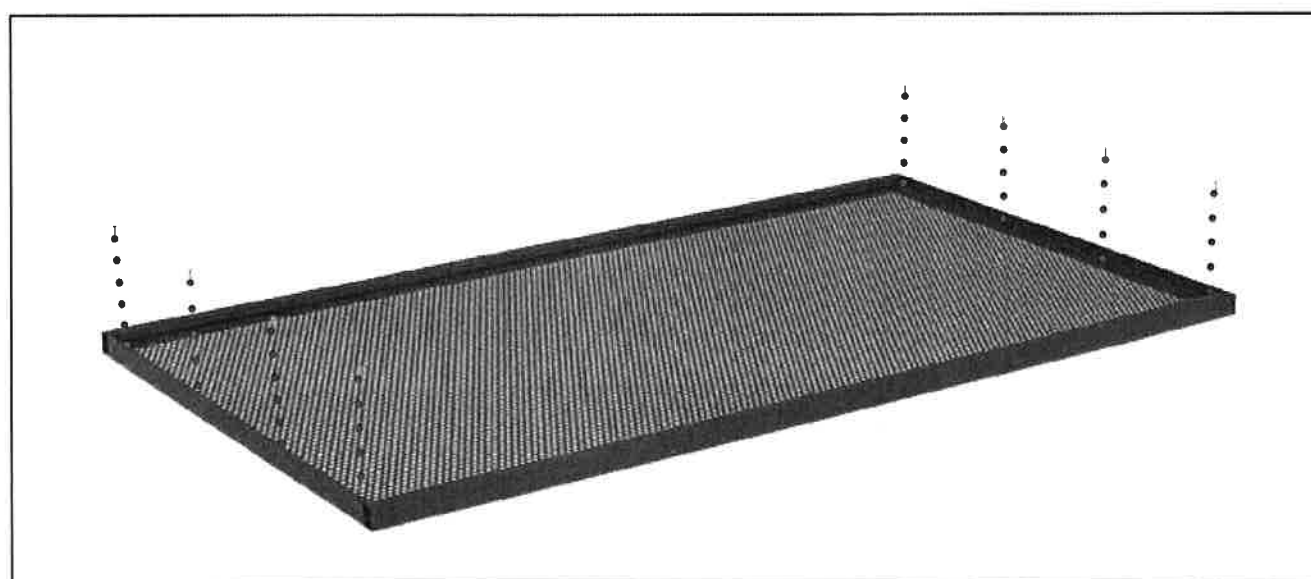
## PERF BALUSTRADE ASSEMBLY OVERVIEW



4

Remove the side rails from infill sheet temporarily and affix clip bead to top and bottom rail.

Return side rails into position and ensure infill sheet is tight against rail ribs (both sides).



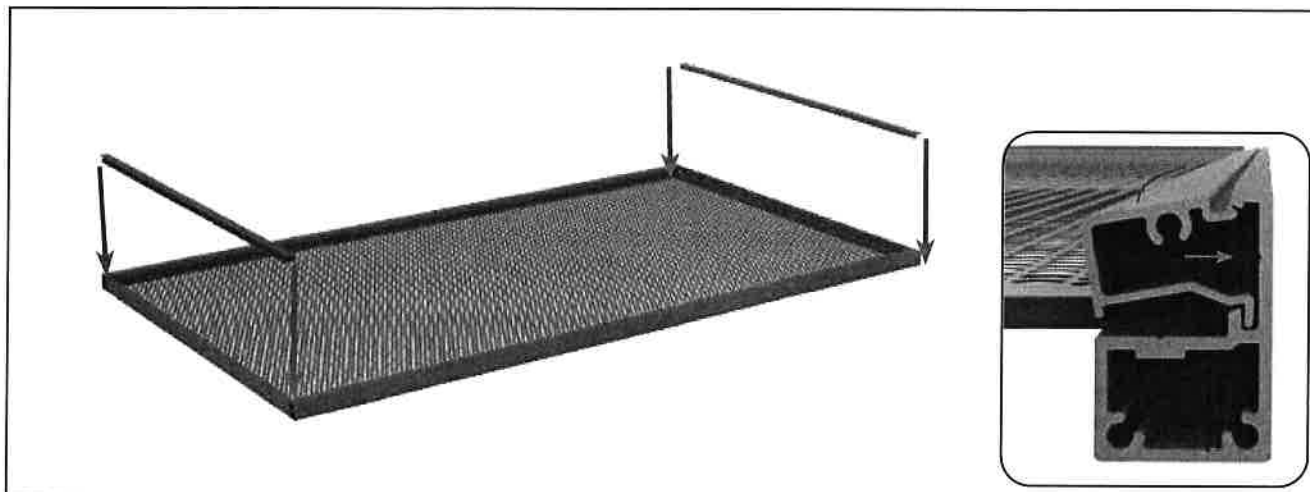
5

Drill 3mm pilot holes and affix infill sheet to side rails with self tapping wafer head screws using pre-punched fixing holes.

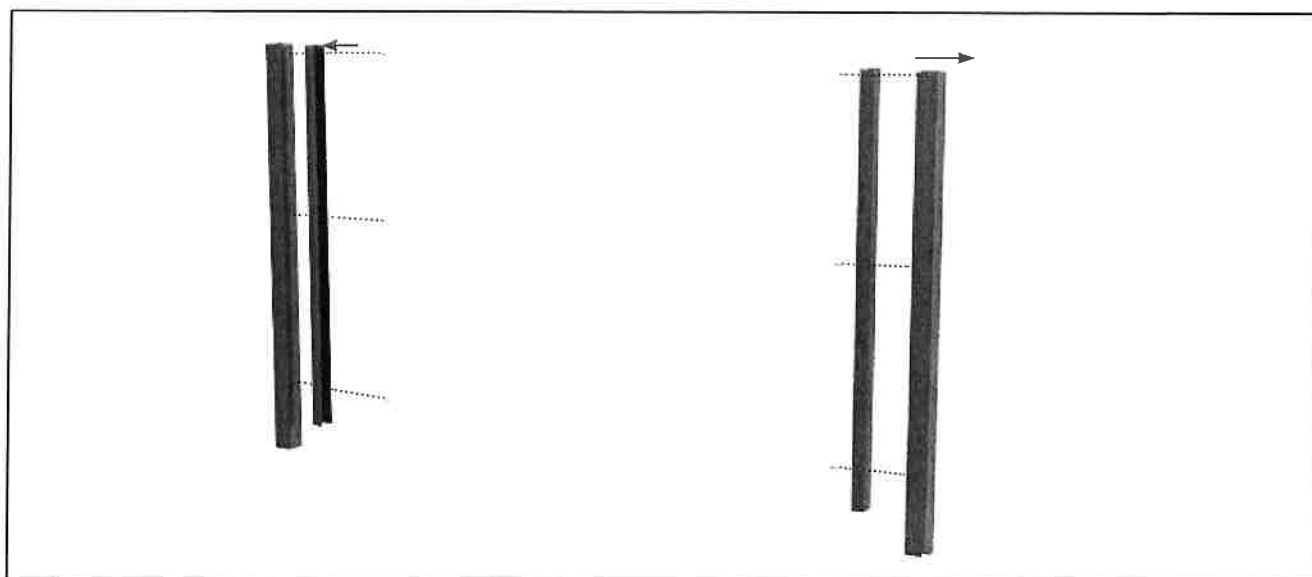
Check panel is square before and after tightening. Adjust as necessary.



## PERF BALUSTRADE ASSEMBLY OVERVIEW



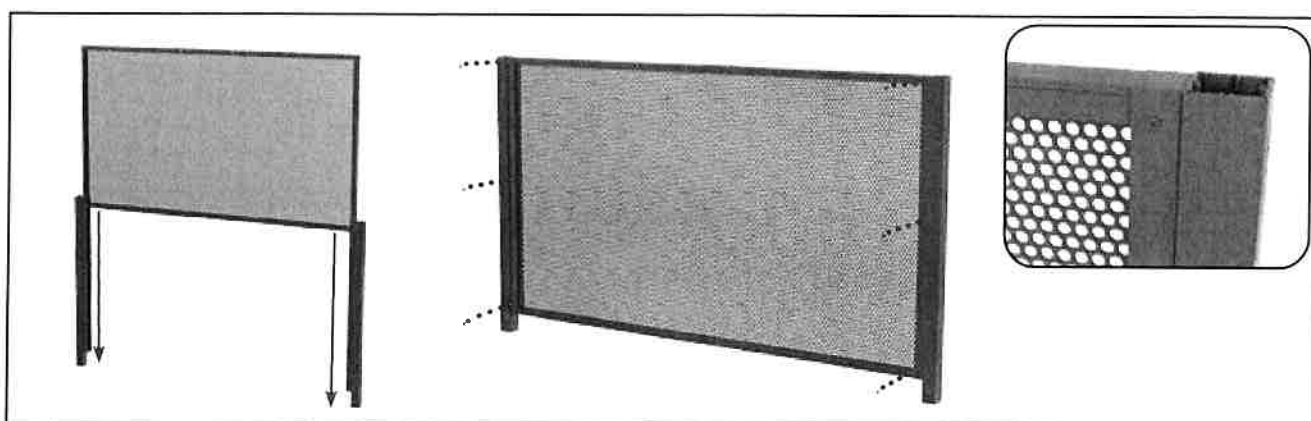
6 Affix clip bead to side rails



7 Screw fix U-Channel to aluminium posts using self tapping wafer head screws having regard to the desired gap between the bottom rail and the finished ground level.

Fix off vertical U channel to posts at 3 points – bottom, middle and top.

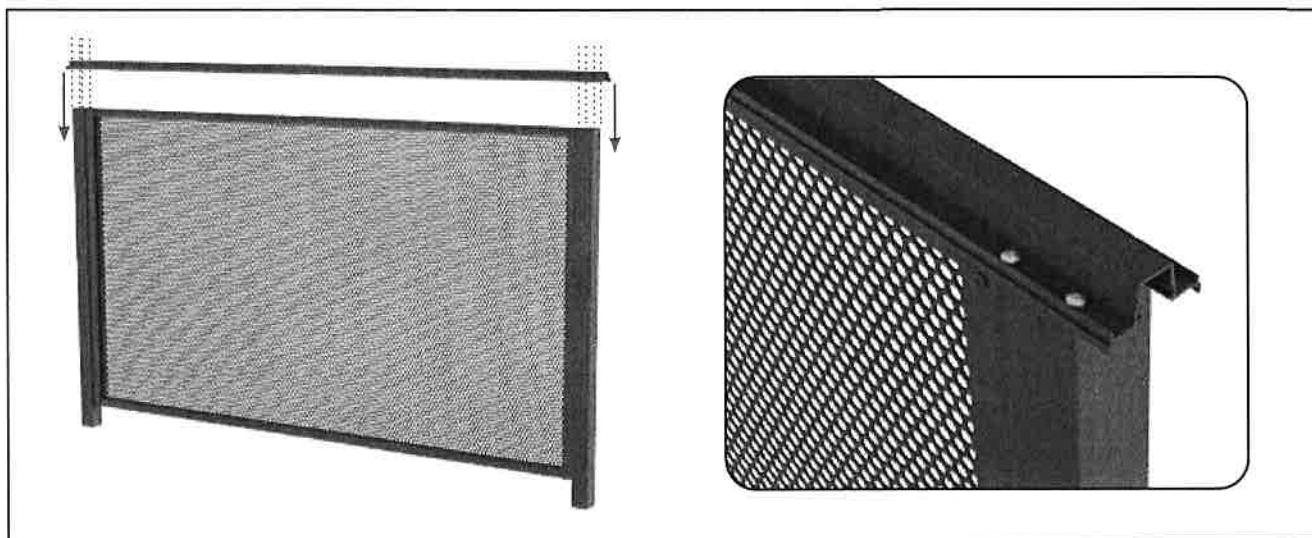
NOTE: Allow for suitable fixings if installing to varied post materials.



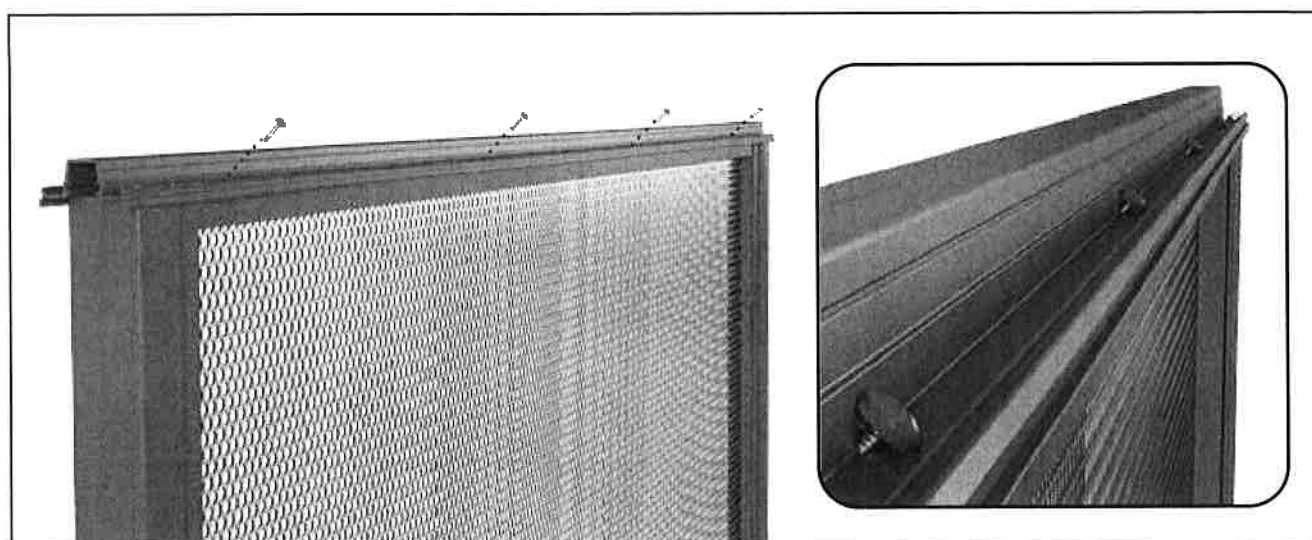
8 Lower panel into U Channel and fix off using wafer head screws either side of panel at top, middle and bottom.



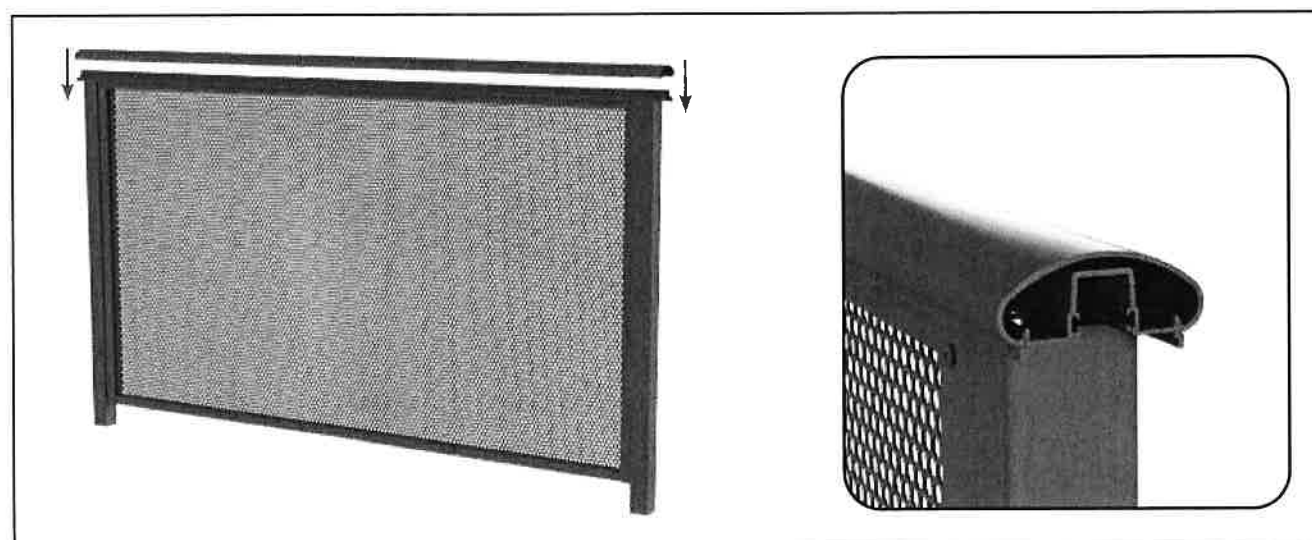
## PERF BALUSTRADE ASSEMBLY OVERVIEW



**9** Fix off undercapping rail to top of posts securing to each post with 12x25mm panhead screws.



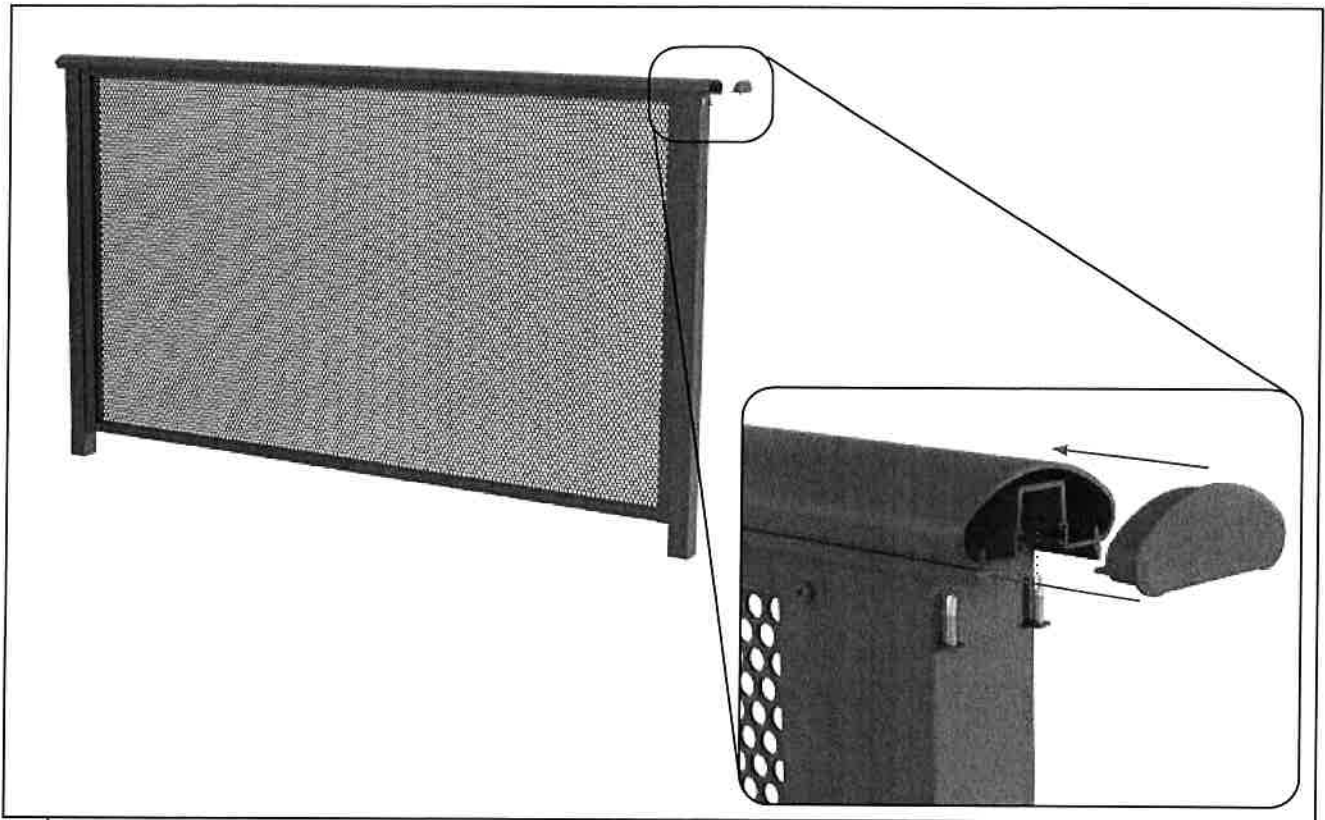
**10** Secure undercapping rail to frame with wafer screws going in through undercapping rail at a 45 degree angle, approx every 500mm.



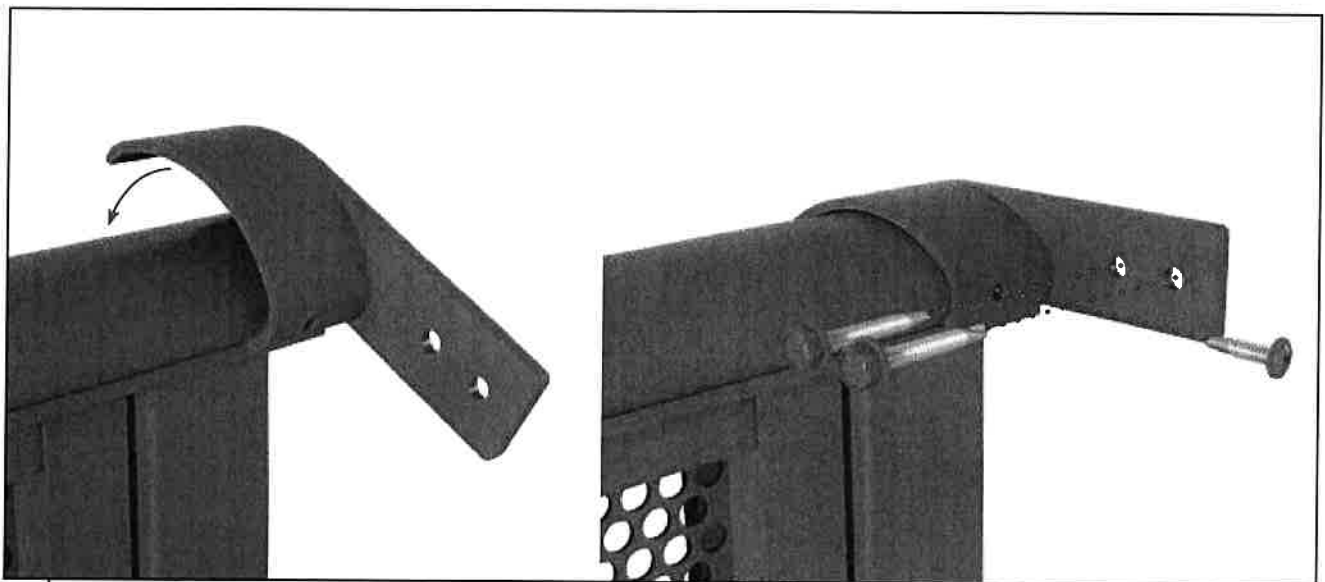
**11** Snap handrail onto undercapping rail.



## PERF BALUSTRADE ASSEMBLY OVERVIEW



- 12 If required, push end caps into end of handrail and secure on underside with 2 x wafer screws.



- 13 If attaching handrail to wall, lever offset wall bracket over handrail and affix to wall using 2 x appropriate fixings (not provided) and one wafer screw through offset wall bracket into handrail.



## ASSEMBLY OVERVIEW – APPENDIX 1

### APPENDIX 1 / PANEL SIZE ADJUSTMENT FABRICATION OVERVIEW

#### WIDTH AND HEIGHT ADJUSTMENT FOR OUTER FRAME

##### PANEL FRAMING CUTTING FORMULAS

2 x Horizontal Top/Bottom Rails = distance between posts minus 12mm

2 x Vertical side frames = Outer frame height of panel\*\* minus 51mm

2 x Vertical U Channels = Outer frame height of panel\*\*

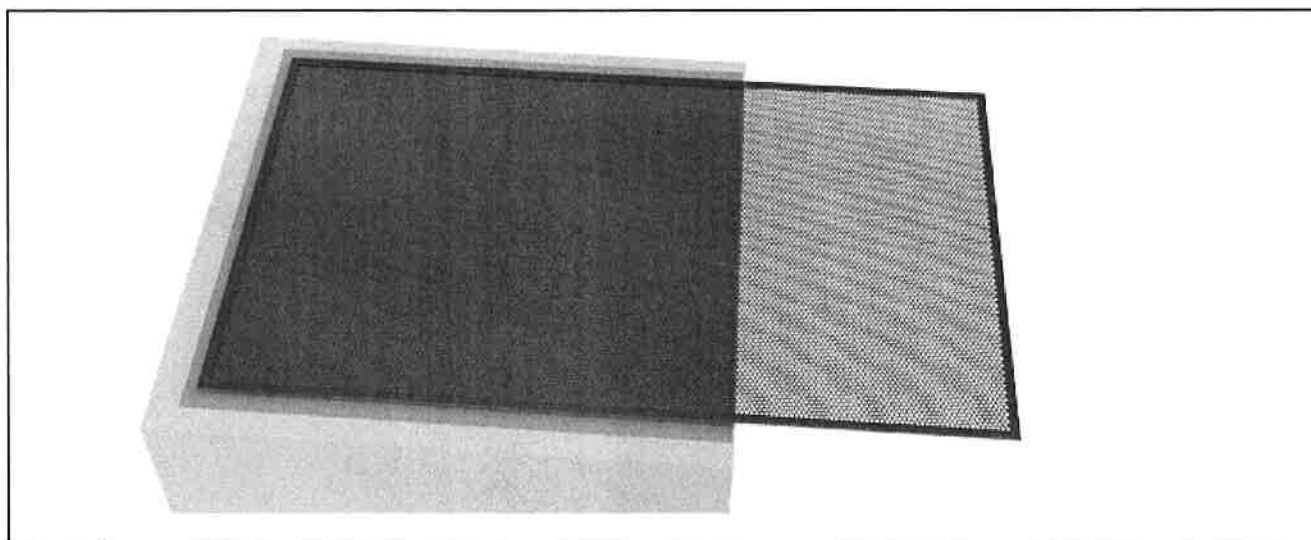
\*\* assumes horizontal top and bottom installed onto infill sheet

#### WIDTH AND HEIGHT ADJUSTMENT FOR INFILL PANEL

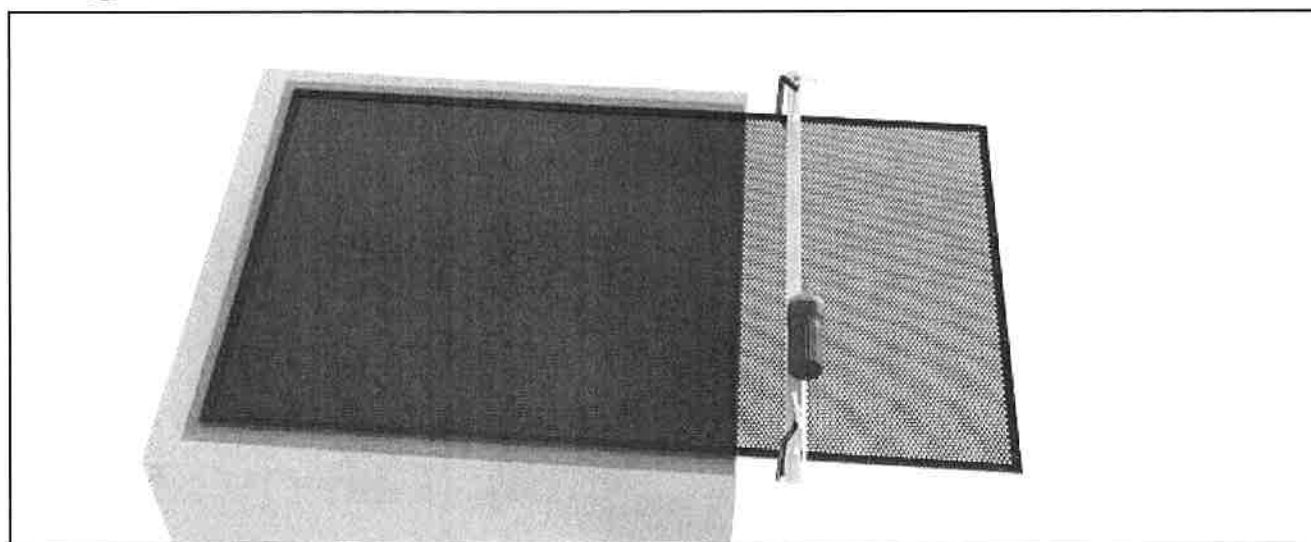
##### INFILL SHEET CUTTING FORMULA

SHEET WIDTH: Final outer frame width dimension minus 12mm

SHEET HEIGHT: Final outer frame height dimension minus 12mm



**1** Lay the infill sheet on flat, padded surface, overhanging the off-cut.



**2** Using a clamped straight-edge as a guide, cut using a nibbler tool. (Infill sheet is 2.5mm thick aluminium – ensure nibbler suits cutting this specification.)

Once cut, file any sharp or protruding edges.

\*\* if height of panel requires adjusting, repeat steps 1&2 but for height





## ASSEMBLY OVERVIEW – APPENDIX 1

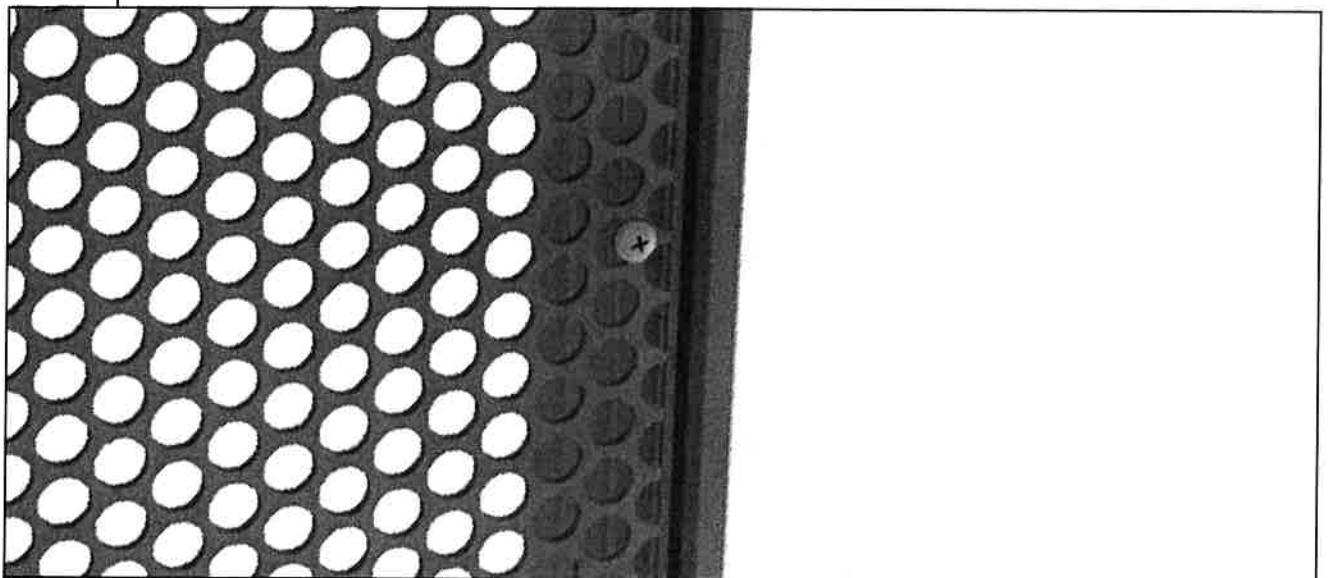
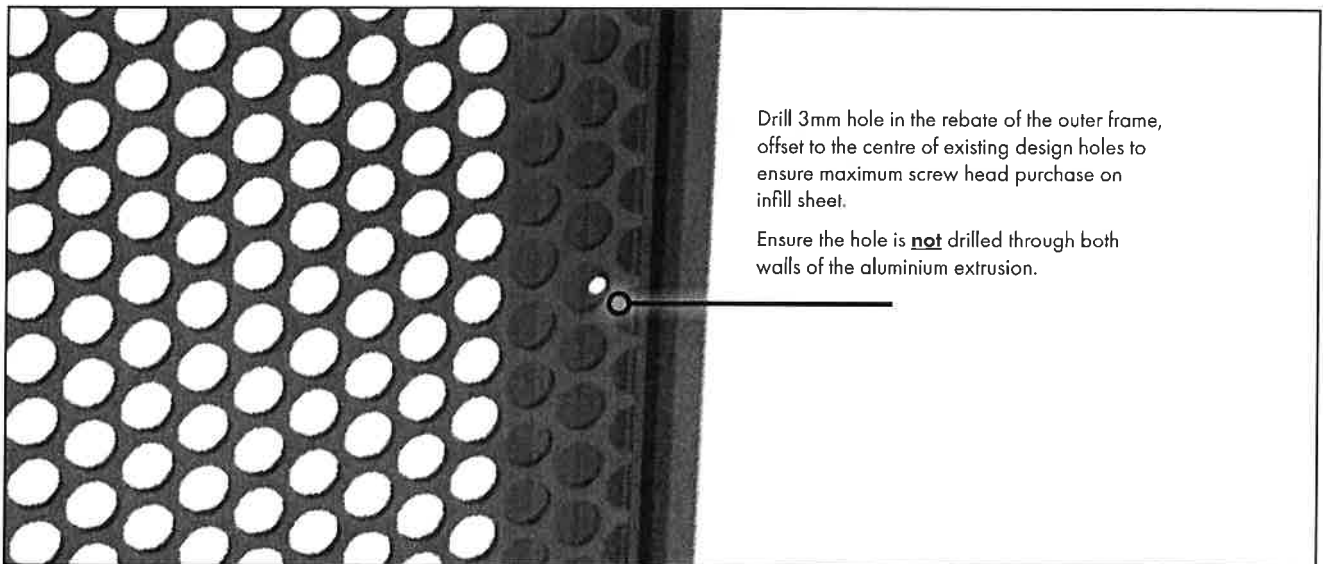
See Steps 1-6 of Assembly Guide, incorporating step 4 below.

3

Assemble outer frame to infill sheet as per steps 1 to 6

### WIDTH AND HEIGHT ADJUSTMENT FOR HORIZONTAL AND VERTICAL FRAME

The fixing holes around the border of the infill sheet may be removed when adjusting width or height.



4

Ensure holes/infill sheet fixings are approx 50mm from each corner and 400mm apart (applies to top/bottom/sides of panel).





## ASSEMBLY OVERVIEW – APPENDIX 1

---



**NOTE**

For 3 rail configuration, height of panel can be adjusted as required to achieve desired look and spacing. U channel should be cut to same height as side frames, and snap in void infill installed to the channel in the undercapping of handrail.  
**NOTE:** Omit Step 10 from above assembly guide.

