

## **Installation and Finishing Shapeshell-RT Cladding**

1. The substrates to accept -RT parts and fabrications shall be surfaced with suitable materials to suit the parts to be installed. Shapeshell-RT Pastes shall be installed level, straight and true within 3 mm in 2500 mm.
2. Structural framing and substrate materials shall be of the proper size and design for the intended use and sufficient to properly support the installed Shapeshell-RT parts.
3. Refer to the shop drawings for specific details to install the Shapeshell-RT parts and/or fabrications.
4. Part thicknesses may vary. Allow for shim spaces between the Shapeshell-RT and the substrate.
5. Attach the Shapeshell-RT parts using screws or other fasteners as shown the shop drawings. Additional bracing, or fastening point etc. not shown on the shop drawings, may be required to ensure a proper installation. Countersink screws below the Shapeshell-RT surface.
6. Large parts shall be carefully lifted into place using suitable lifting devices and installed securely.
7. Where Shapeshell-RT parts are suspended, use all the suspension points indicated on the shop drawings as a minimum requirement, and use any additional support(s) as the site conditions may require.
8. Under certain lighting conditions (e.g. atriums, vaults, near light reflectors), fasteners, reinforcement, joint tape "read-through" may occur. A field applied skim coat may therefore be required.
9. Care should be exercised in selecting primers and sealers for use on Shapeshell-RT to make sure they will perform satisfactorily.

## **Cladding Wall Panel**

Typically, parts are secured in place with countersunk screws with the screw holes subsequently filled with joint (drywall) compound. Subject to the particular project design requirements, panels may be moulded with a recessed tape joint for use with conventional wallboard joint finishing techniques. See figure 1.



Appearance 2 panels joint viewed from up section Figure. 3.

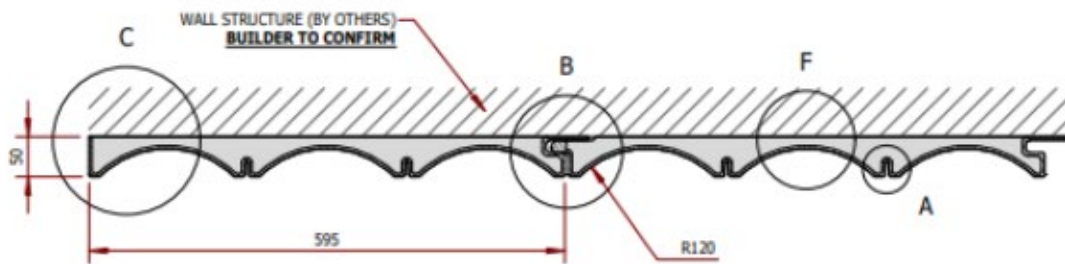


Fig. 3. Enlarged view o 2 panels from up section

The end of fixing panel, countersunk screw set 1 mm below the panel surface shown figure 4. Panel is spaced with 300 mm.

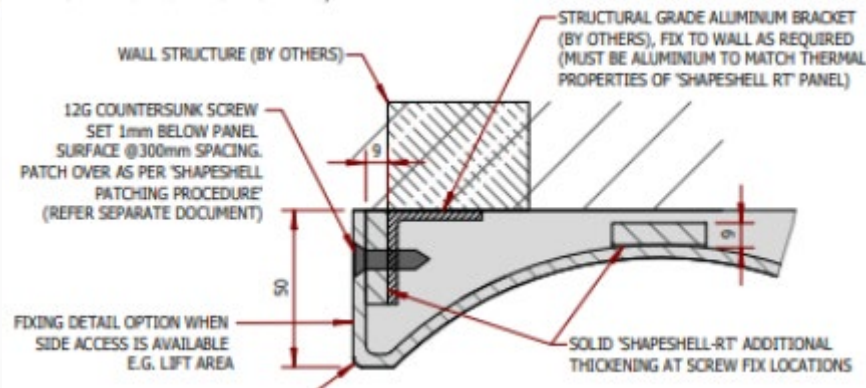


Fig. 4. End panel fixing

Panel edges typically have amendments to provide added strength and a means for secure attachment. In this case, strips of solid "Shapeshell-RT" additional thickening at the screw fix location. The panels are attached to the aluminium bracket width countersunk screws that extend through the solid Shapeshell-RT into the aluminium bracket that attached to the wall structure. Fixing panel on no side access like Figure 5.

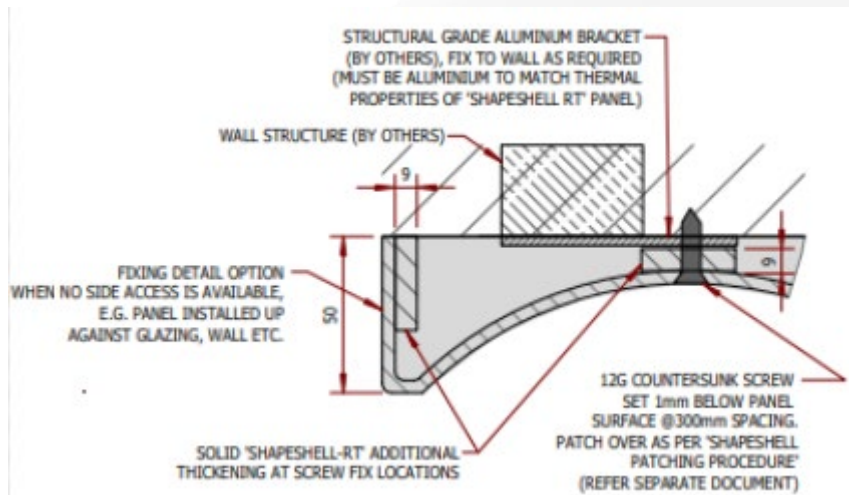


Figure. 5. End panel fixing no side access

## Finishing

Unfinished Shapeshell-RT parts may exhibit slight imperfections, normally hidden by a textured finish. To obtain satisfactory results with smooth finishes, filling and sanding will be required to hide imperfections inherent in Shapeshell-RT. Near certain lighting conditions, countersunk screw that put panel surface may occur. A field applied skim coat may therefore be required. Use joint treatment materials to finish Shapeshell-RT parts and assemblies to produce surfaces ready to receive primers and paint finishes as detailed.