

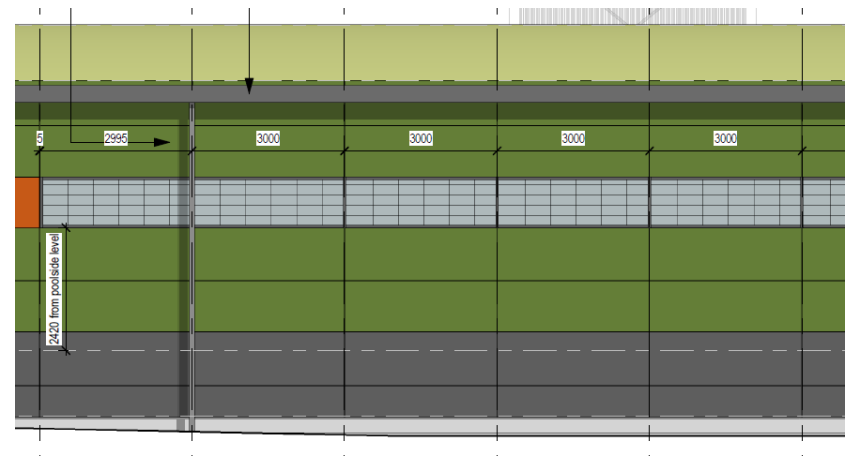
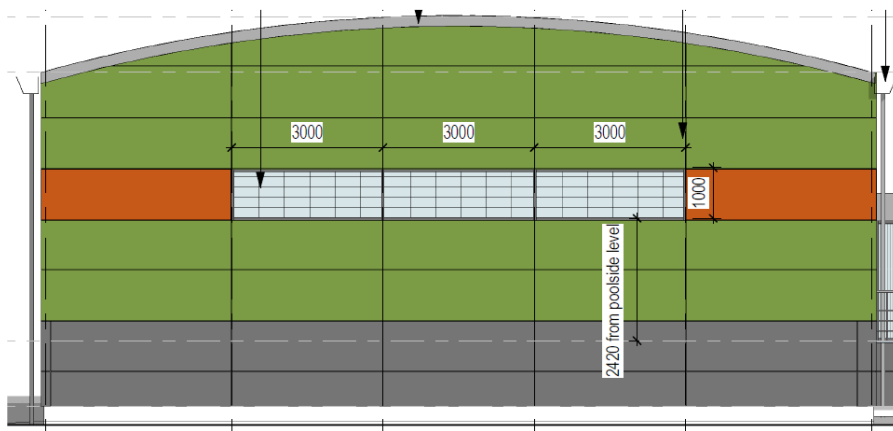


Reading Rivermead Demountable Pool

2245 RRDП Translucent Glazing Proposal (Report)

(01.08.2017, issue v.2)

EWA have been requested by the design building contractor and client for the Reading Rivermead Demountable Pool, Greenwich Leisure, to present the intended proposal of omitting the previously proposed Kalwall glazing (to a 1m high strip at high level in the pool hall of the new demountable pool building) and substituting it for a translucent glazed thermally broken powder coated aluminium window framing system.





2646-MA-N-MS-VS-0901-D00



Previously proposed – **Kalwall**

A prefabricated translucent structural sandwich panel between 50mm and 70mm thick.

Translucent faces are manufactured from glass fibre reinforced thermoset resin and are bonded to a grid core of mechanically interlocking (aluminium) (thermally broken) 'I-beams'.

The appearance from outside during daylight is of a white surface finish overlaid with a rectangular grid in a darker colour.

The appearance from outside after dark (with internal light fittings switched on) is of a glowing white tinged translucent surface finish overlaid with a rectangular grid in a darker colour.



Previously proposed – **Kalwall**



Currently proposed – **Translucent film applied to glazed thermally broken aluminium window framing**

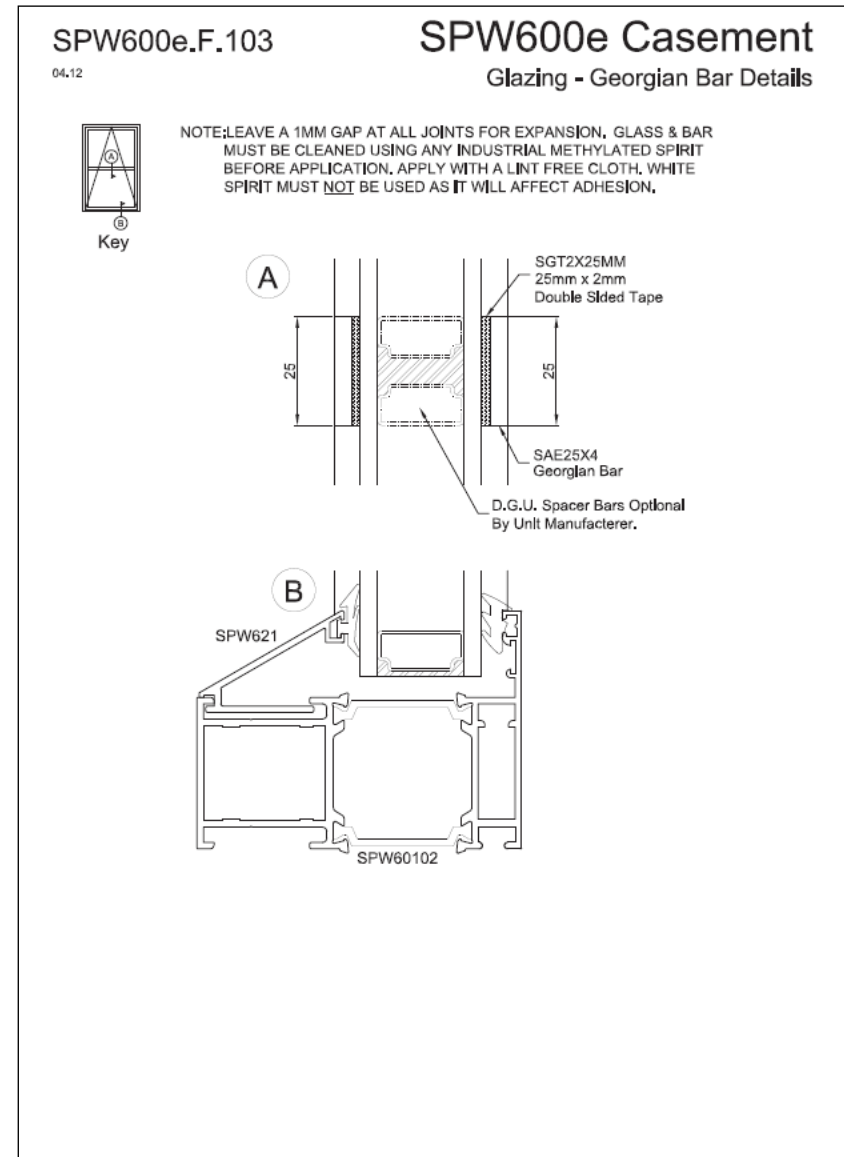
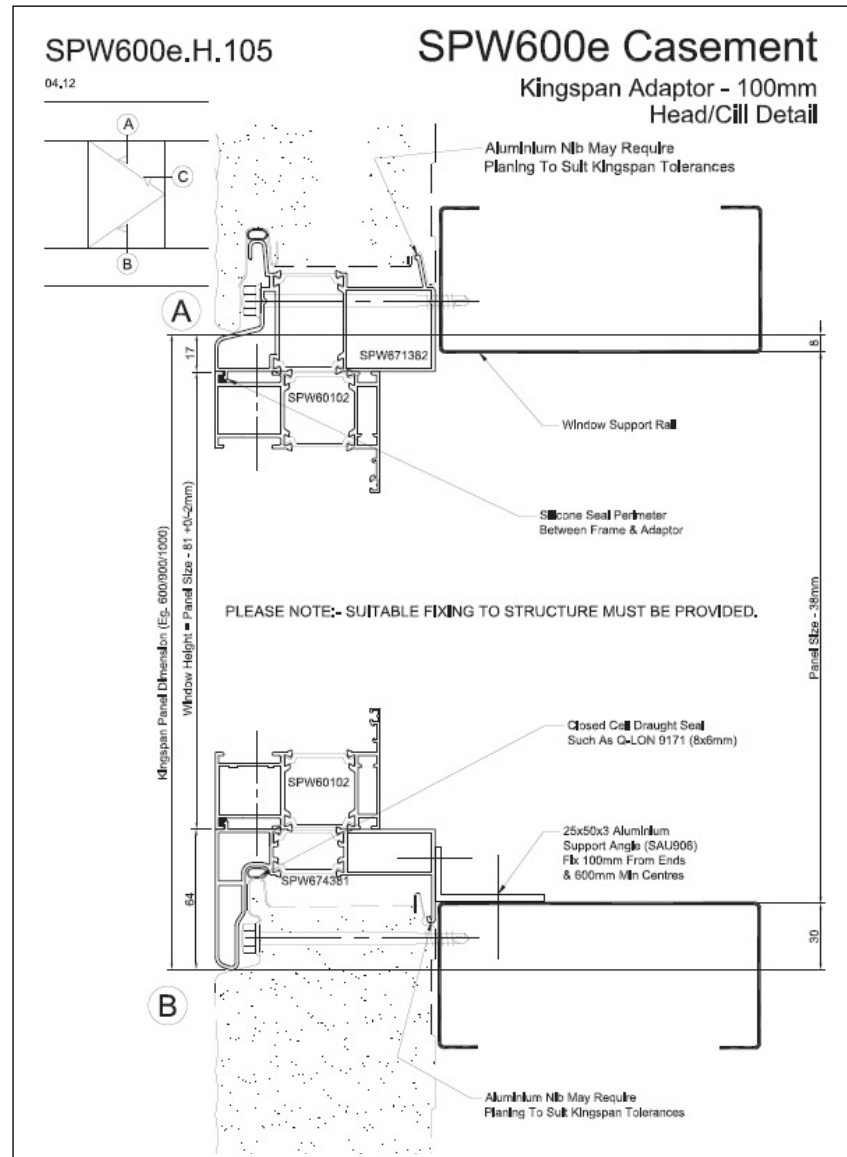
The new proposal is for powder coated thermally broken aluminium window framing system, glazed in with DG units comprising a toughened clear outer pane and a clear inner pane of laminated glass, treated with a translucent film applied internally on the inner face. Faux 'Georgian' glazing bars added within the cavity of the DGU will mimic the Kalwall grid of 'I-beams'.



In this way there will be no material change to the external appearance of the pool from the river side, since the glazing bars will mirror the Kalwall 'look' and with the same level of translucency provided by the etch-effect film on the glass, the level of light emissions from the windows will remain essentially the same as well.

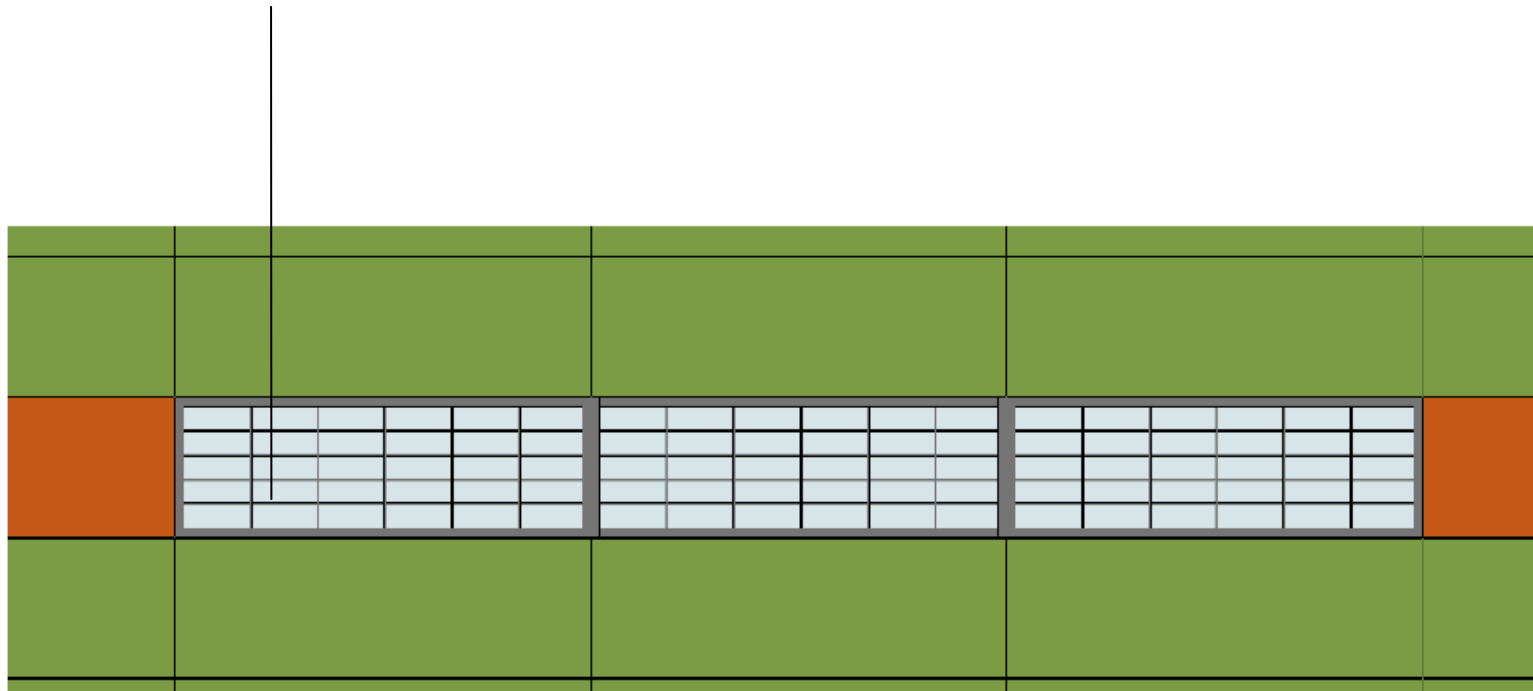


Potential detail for glazing in connection to the insulated Kingspan cladding panels above and below, c/w 'Georgian' glazing bars:



Window framing system – Comar 5pi

- 3m frame between gridlines
- Glazing bars at similar centres to Kalwall option
- Internally applied translucent film
- 62.5mm casement window frame profile



Window Framing – Colour Proposal

- RAL 7012 'Basalt', to match the grey colour of the base first two plinth 'courses' of Kingspan cladding panels.



Basalt

RAL 7012