

NOTES:

1. This proprietary balustrade system complies with New Zealand Building Code Clauses B1 Structure, B1/AS1 Amendment 15, B2 Durability, F2 Hazardous Building Materials and F4 Safety From Falling Third Edition, subject to:

-all products meeting their required performance specification

-site installation carried out in accordance with the intent of this drawing

2. Based on design loads from AS/NZS 1170.1 and a maximum ULS wind pressure of 2.13 kPa (extra high wind zone), maximum span between posts and glass thicknesses are:

Residential occupancies A, A(other) & C3 of Table 3.3 AS/NZS 1170.1:

Maximum span between posts: 1650mm

Viridian safety glass options according to 22.4.3. of NZS 4223.3:2016 are:

- a. 10mm toughened glass with interlinking rail
- b. 11.2mm toughened laminated glass
- c. 11.52mm toughened SentryGlas laminated glass

-Interlinking rail must be connected to Milano posts, adjacent glass panes or to the building.

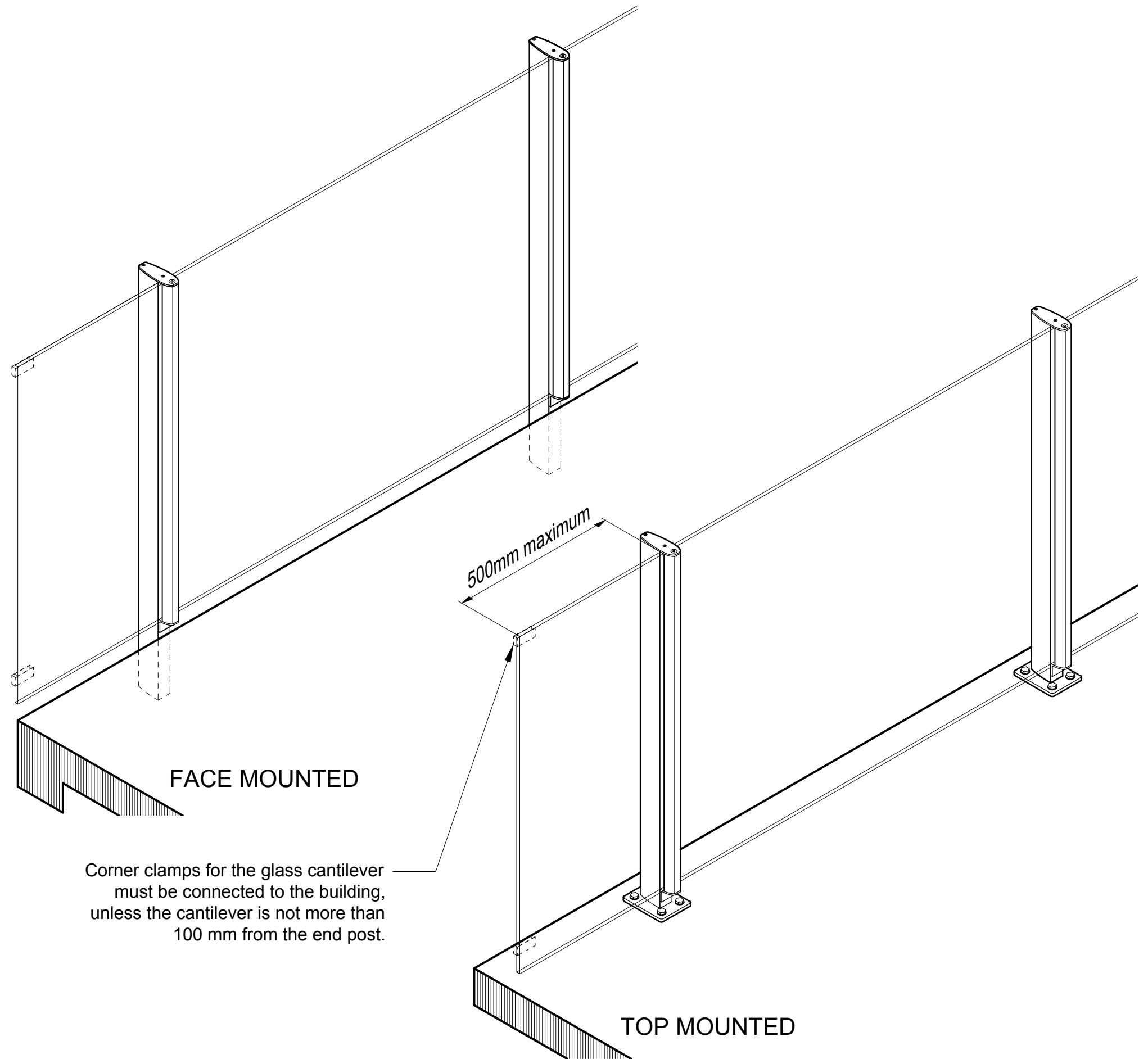
-Corner clamps shall be fixed on top of the glass panel.

3. The design of the concrete support is the responsibility of others.

4. A handrail of 32-50mm diameter is required for stairs and ramps exceeding 1:20 slope. Refer NZBC D1/AS1.

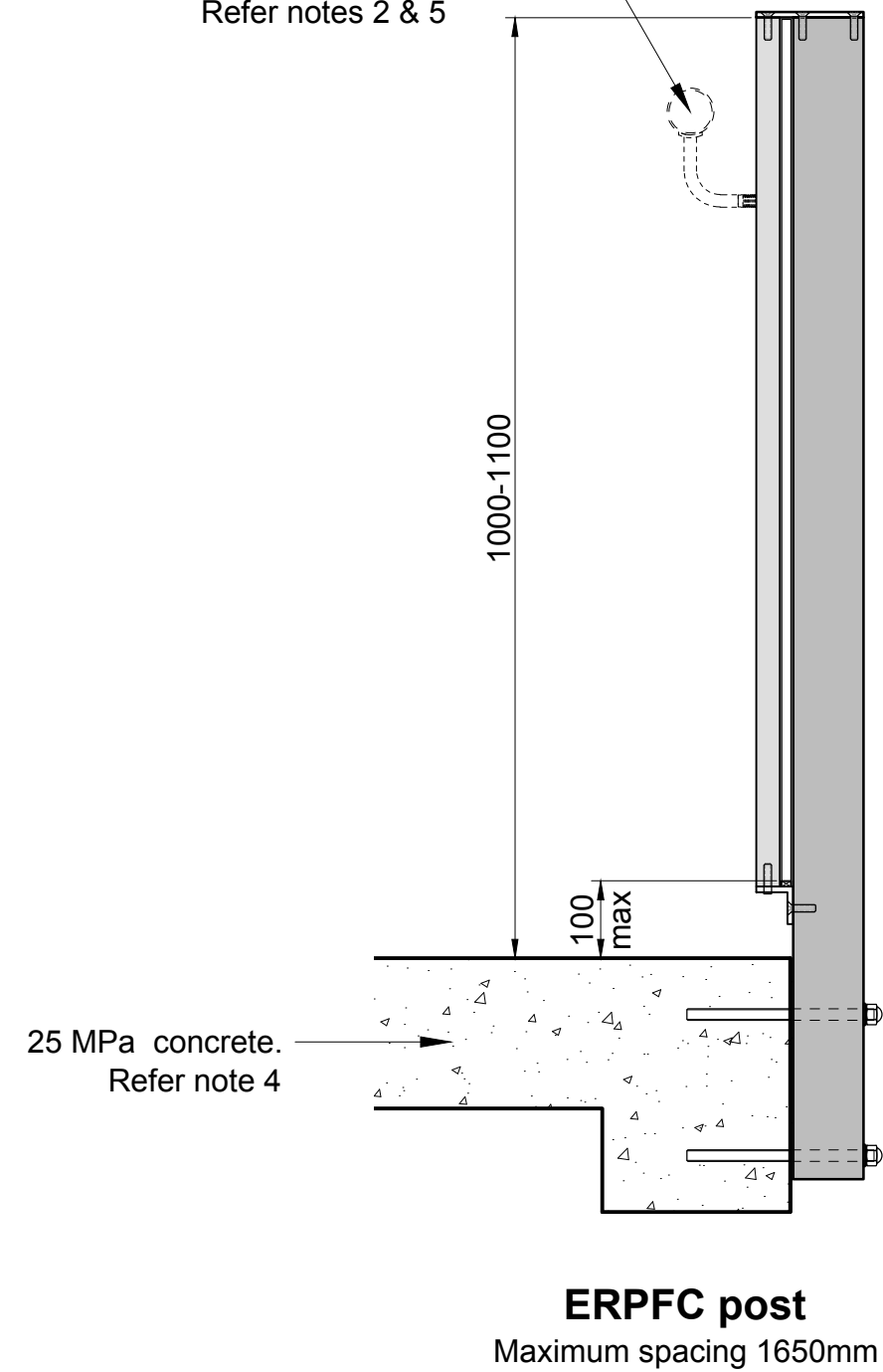
5. Use grade 316 stainless steel fixings and washers

6. Duratec powdercoat or 25 micron anodised finish is recommended for installations within 100m of the coast



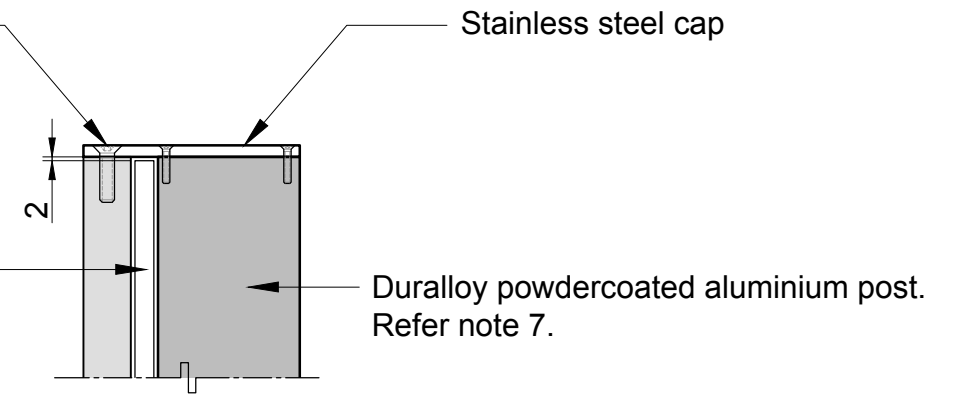
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Interlinking rail is required for 10mm toughened safety glass. Refer notes 2 & 5

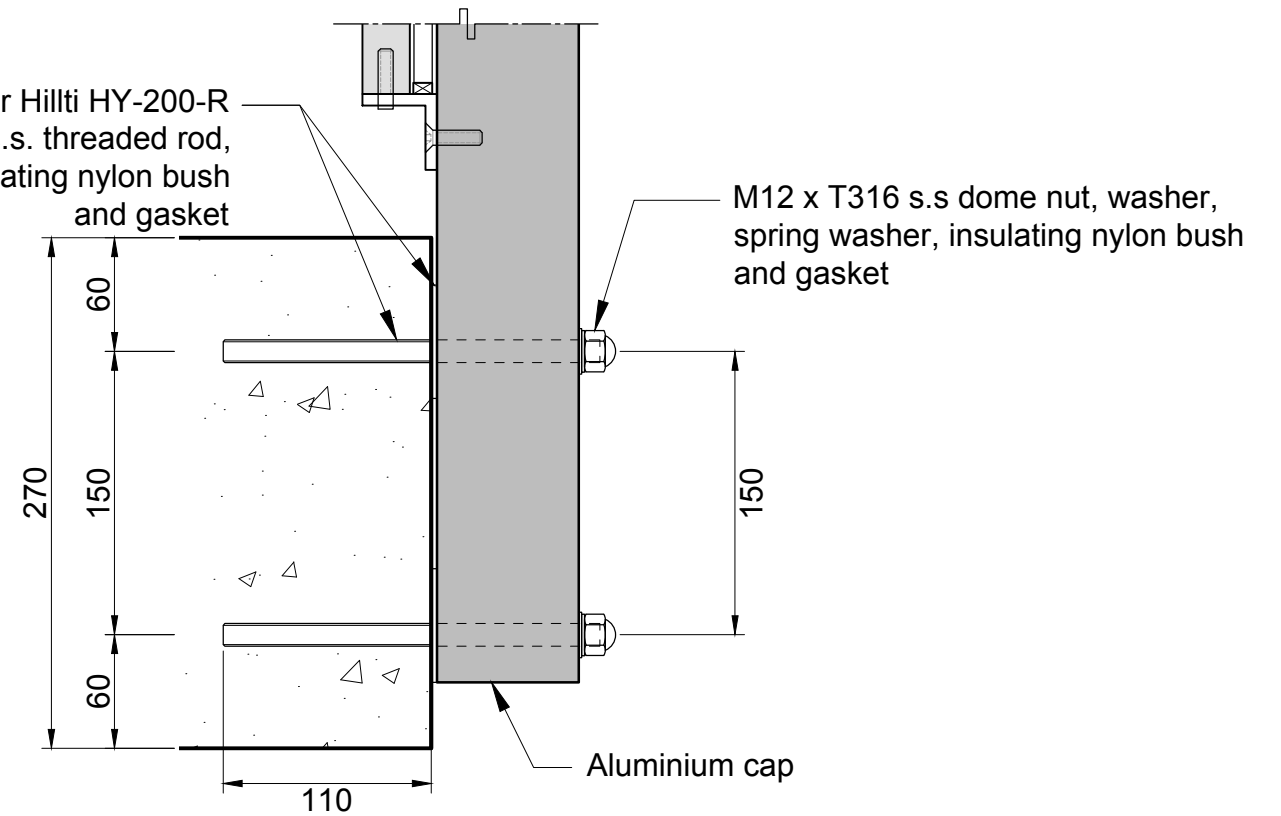


M8 csk bolt. Installer to apply Duralac DTD369B to bolt, cap and bar before fitting

10mm toughened or 11.5mm toughened laminated glass

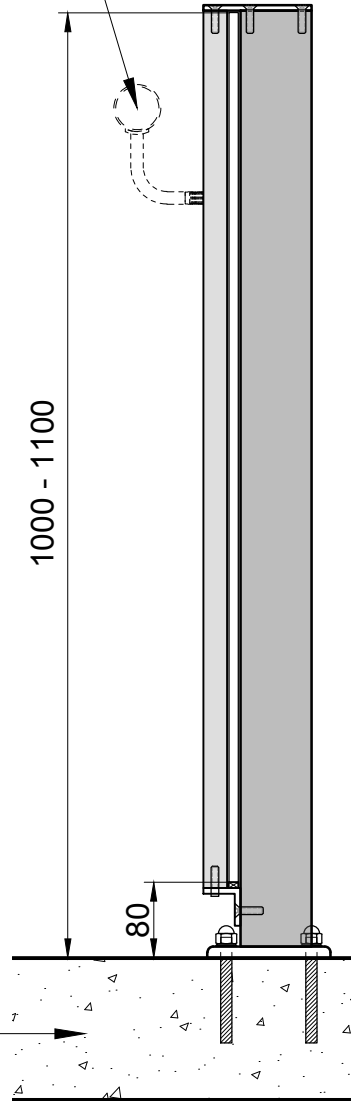


Ramset Epcon C6 or Hillti HY-200-R anchor with M12 T316 s.s. threaded rod, 50x50x3 washer and insulating nylon bush and gasket



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Interlinking rail is required for 10mm toughened safety glass. Refer notes 2 & 5



25 MPa concrete
Refer note 4

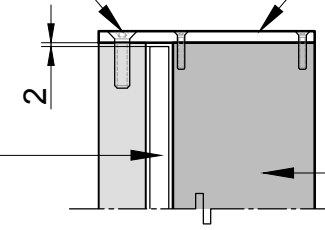
ERPTC post
Maximum spacing 1650mm

M8 csk bolt. Installer to apply Duralac DTD269B to bolt, cap and bar before fitting

Stainless steel cap

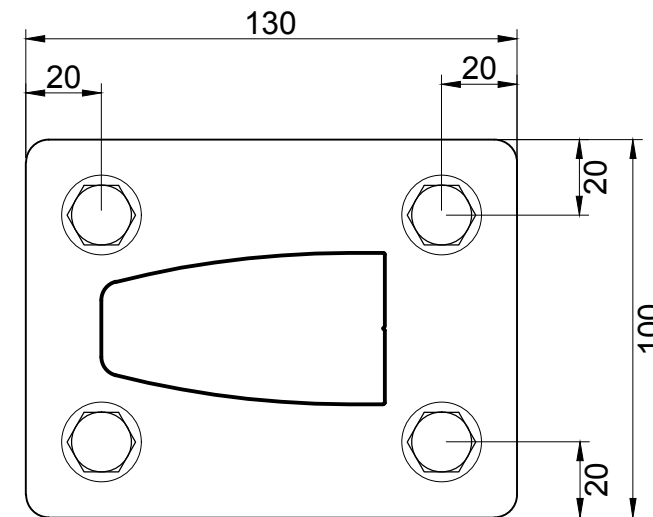
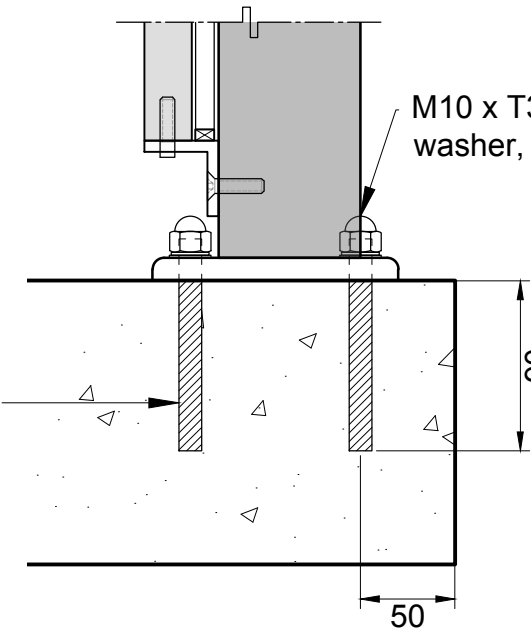
10mm toughened or 11.5mm toughened laminated glass

Duralloy powdercoated aluminium post. Refer note 7.



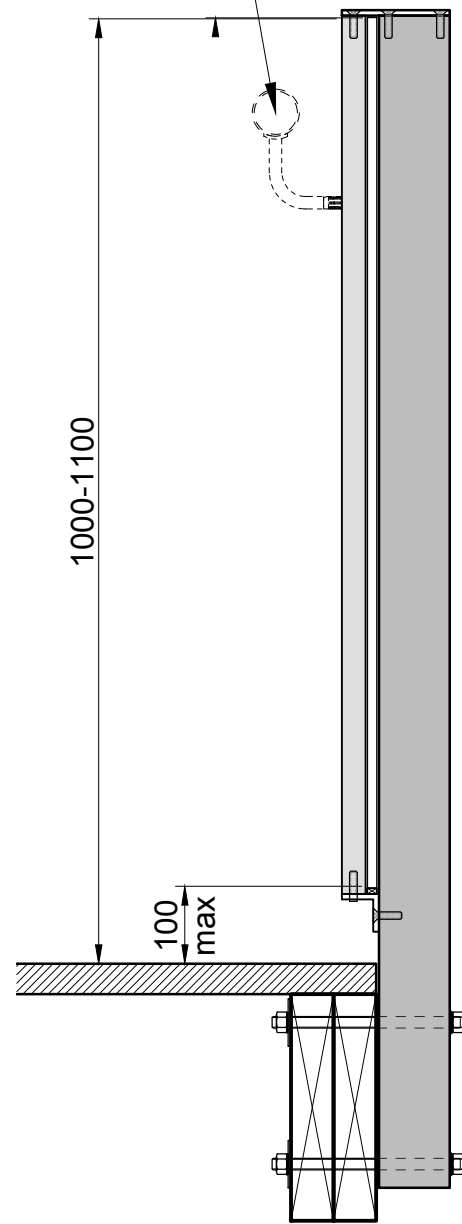
M10 x T316 s.s. dome nut, washer, spring washer, insulating nylon bush and gasket

Ramset Epcon C6 or Hilti HY-200-R anchor with M10 T316 threaded rod



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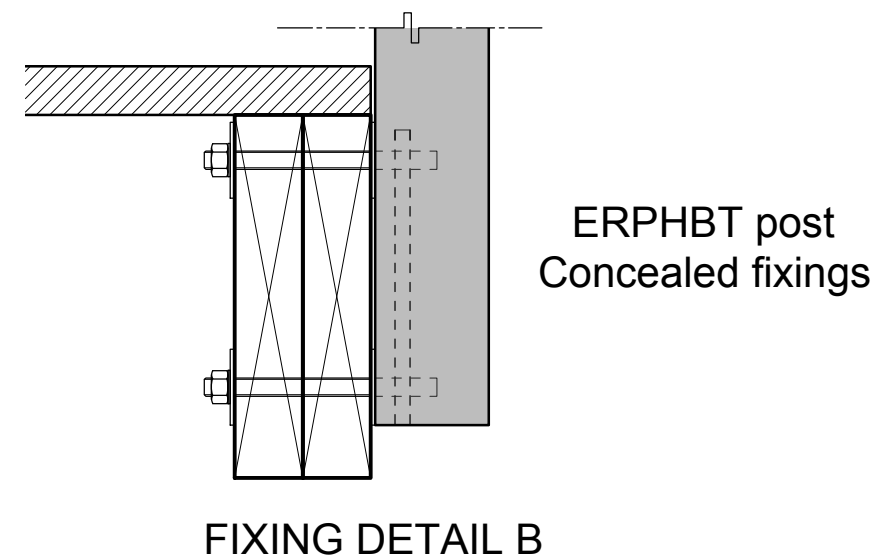
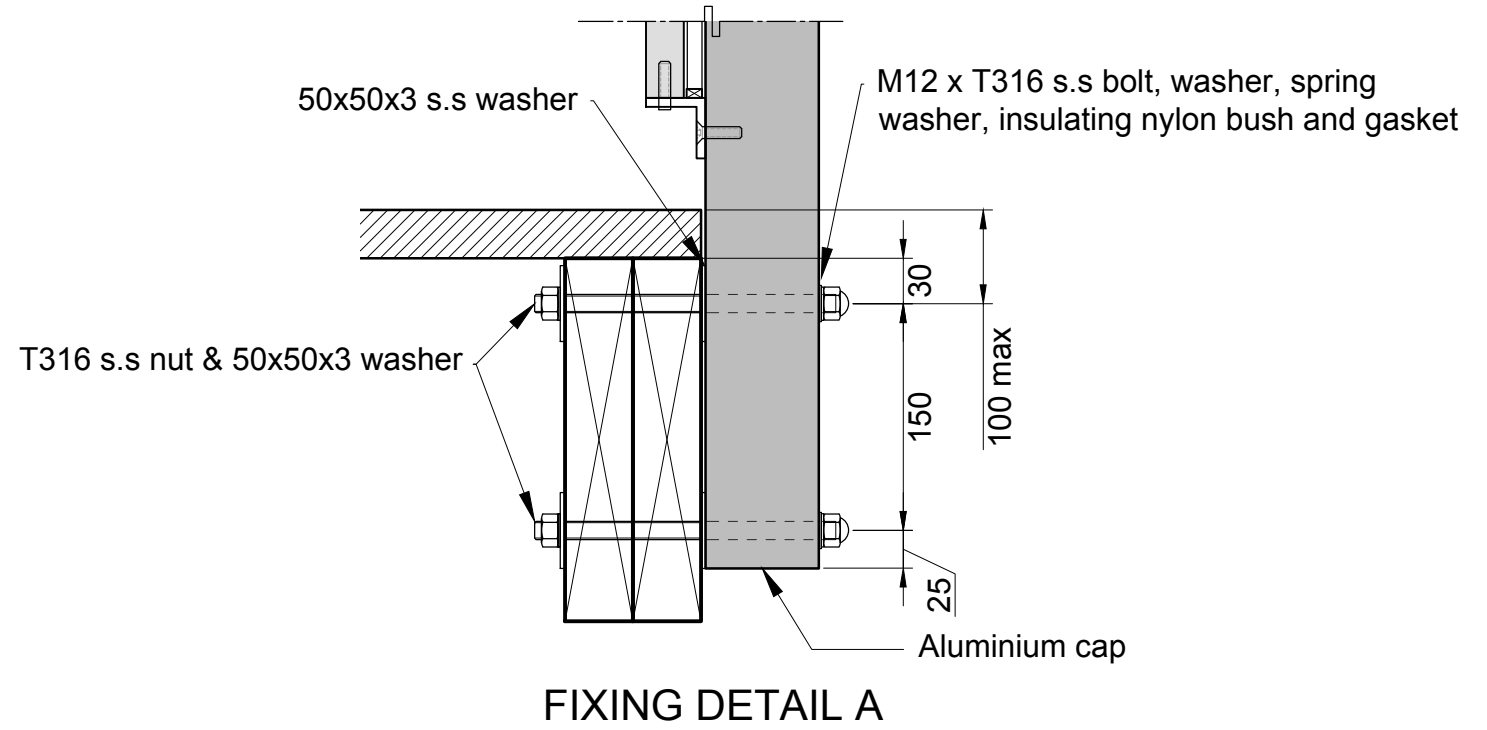
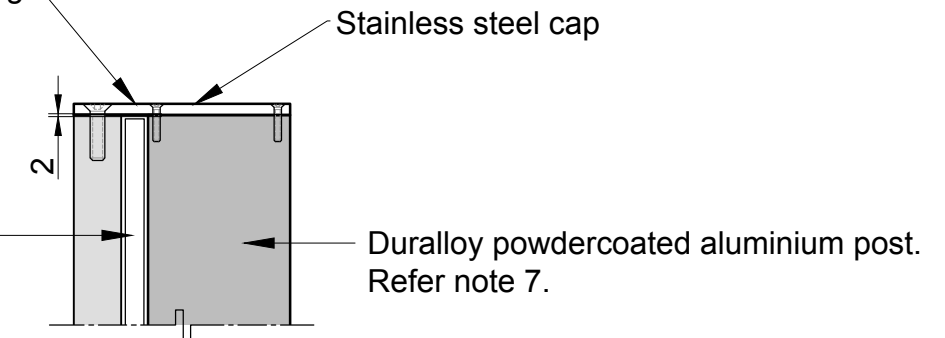
Interlinking rail is required for 10mm toughened safety glass. Refer notes 2 & 5



ERPFBT post
Maximum spacing
1650mm

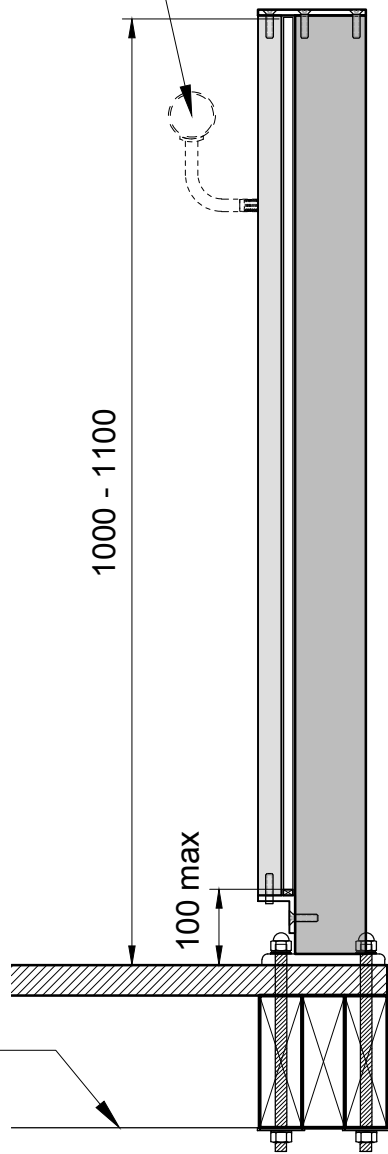
M8 csk bolt. Installer to apply Duralac DTD369B to bolt, cap and bar before fitting

10mm toughened or 11.5mm toughened laminated glass



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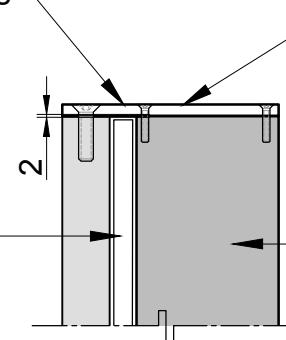
Interlinking rail is required for 10mm toughened safety glass. Refer notes 2 & 5



ERPTT post
Maximum spacing
1650mm

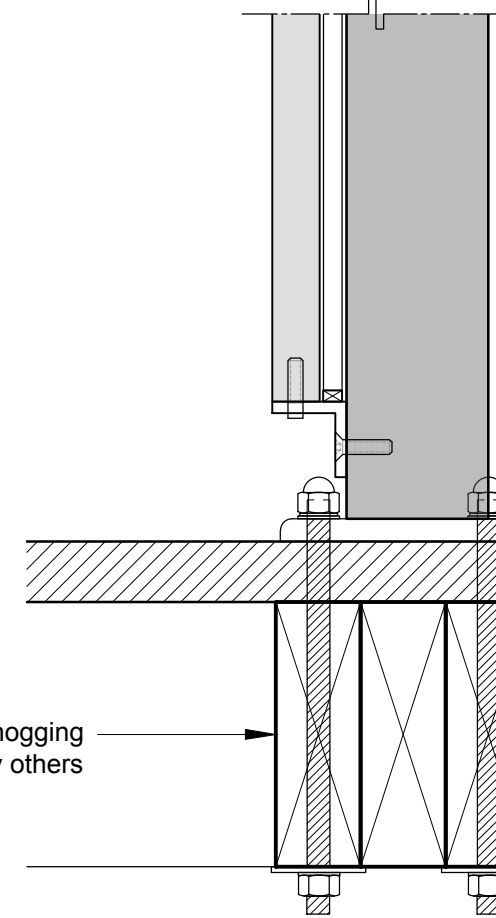
M8 csk bolt. Installer to apply Duralac DTD369B to bolt, cap and bar before fitting

10mm toughened or 11.5mm toughened laminated glass



Stainless steel cap

Duralloy powdercoated aluminium post. Refer note 7.



M10 x T316 s.s bolt, washer & spring washer

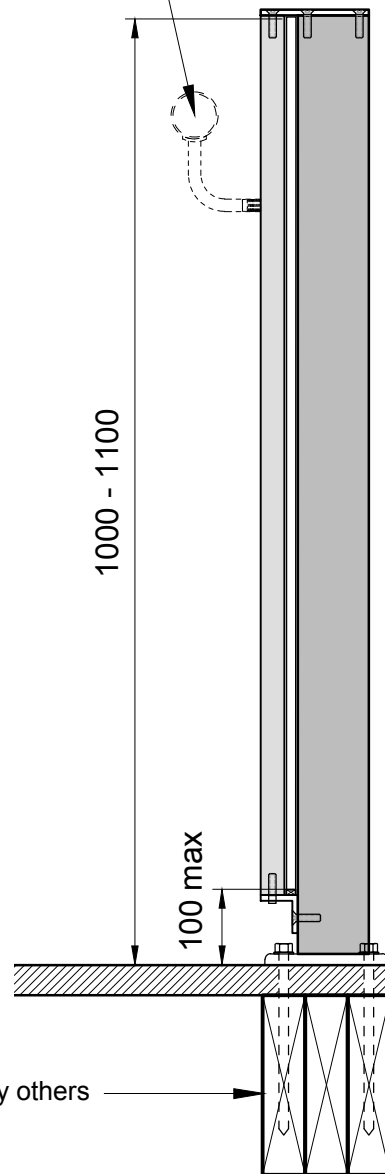
Rigid timber decking

140x45 noggings designed by others

50x50x3 ss washer

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Interlinking rail is required for 10mm toughened safety glass. Refer notes 2 & 5



Timber joists designed by others

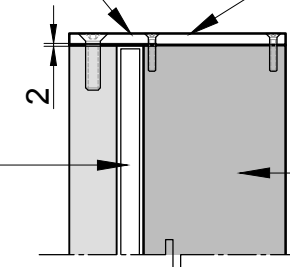
ERPTT post
Maximum spacing
1650mm

M8 csk bolt. Installer to apply Duralac DTD369B to bolt, cap and bar before fitting

Stainless steel cap

10mm toughened or 11.5mm toughened laminated glass

Duralloy powdercoated aluminium post. Refer note 7.



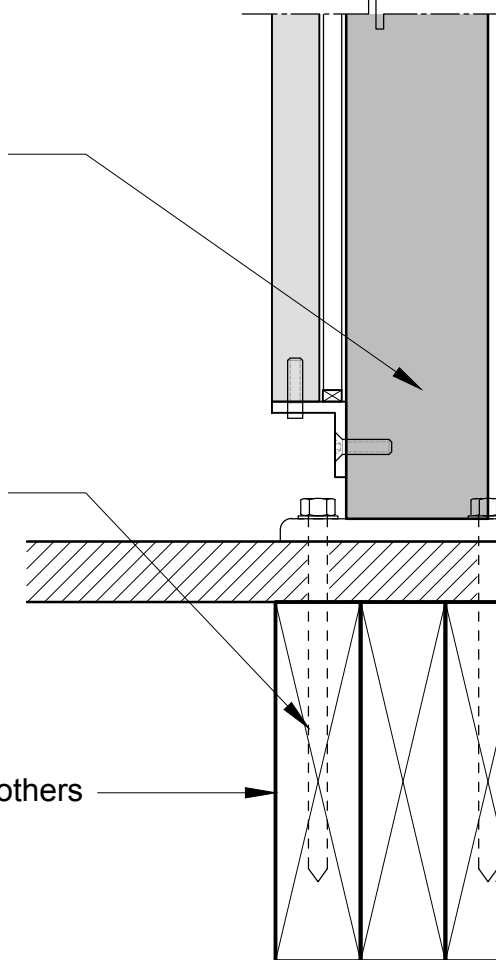
Maximum post spacing of 1200mm

SS316 M10 Coachscrews into timber framing with min. 170mm penetration

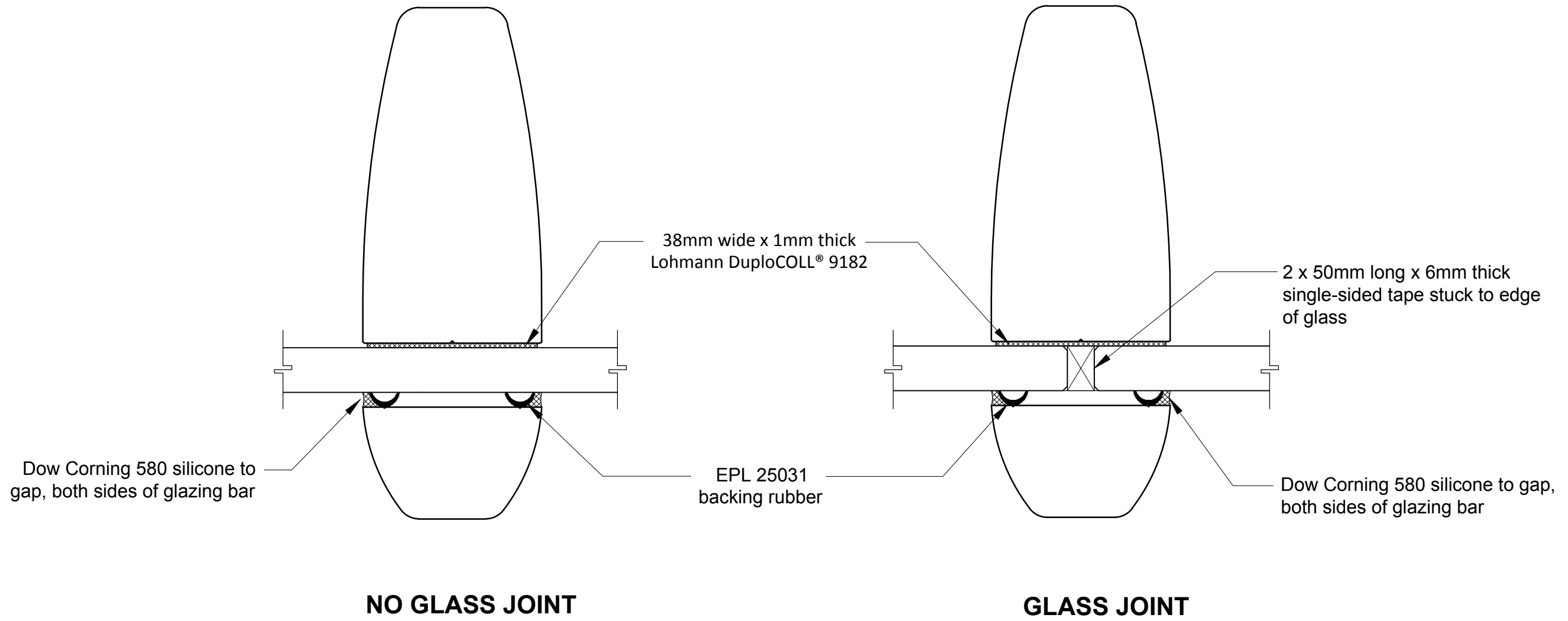
Rigid timber decking

Timber joists designed by others

170mm



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GLAZING DETAILS

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