

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:

Commercial occupancies B , E & C3 of Table 3.3 AS/NZS 1170.1:

Based on 1100mm high balustrade, 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.

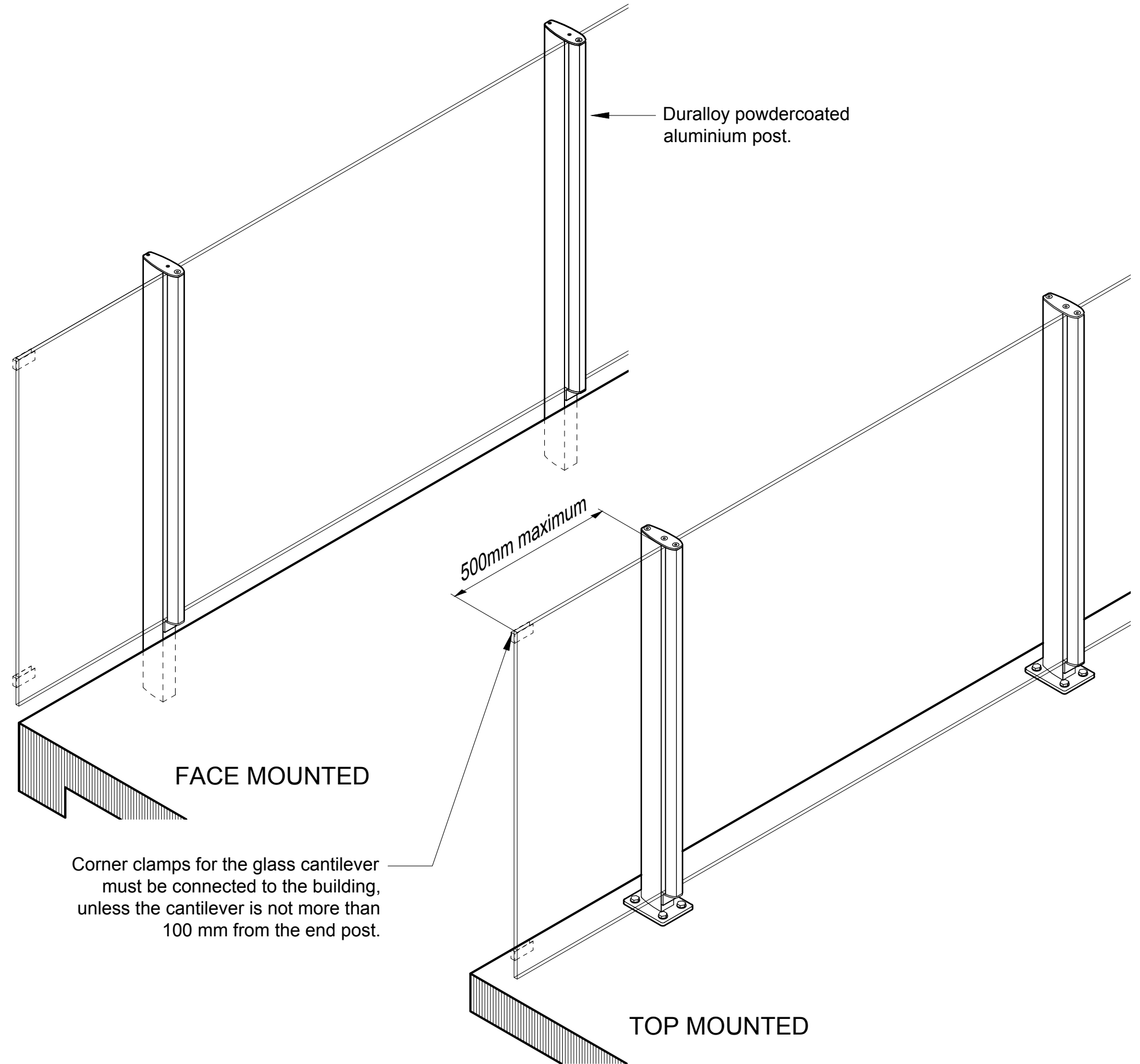
-Corner clamps shall be fixed on top of the glass panel.

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.

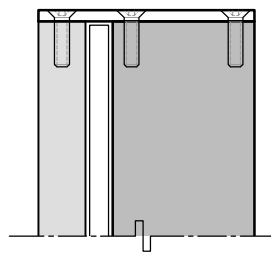
5. Use grade 316 stainless steel fixings and washers

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



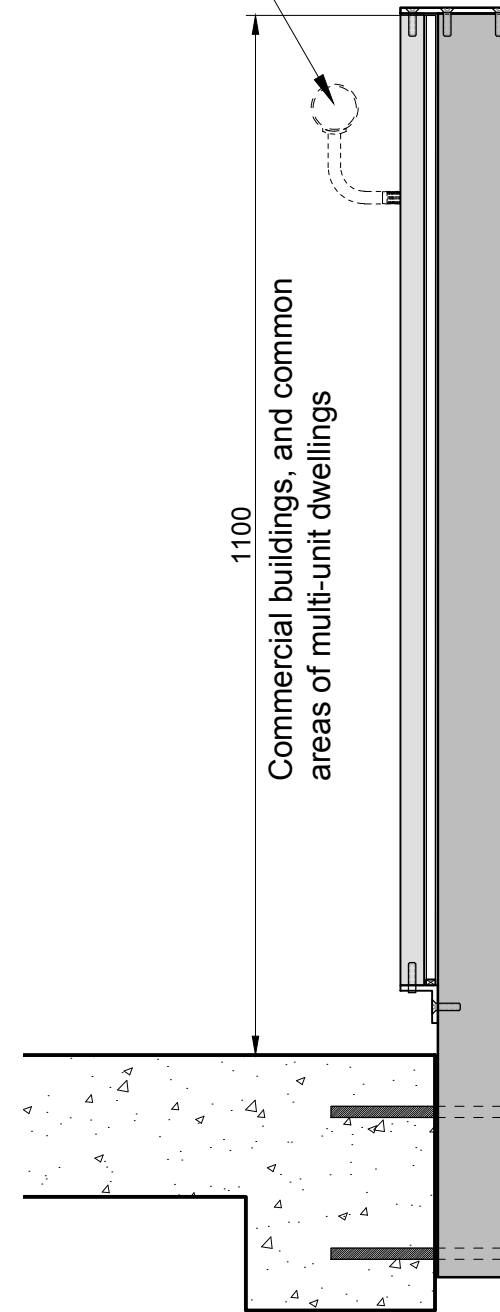
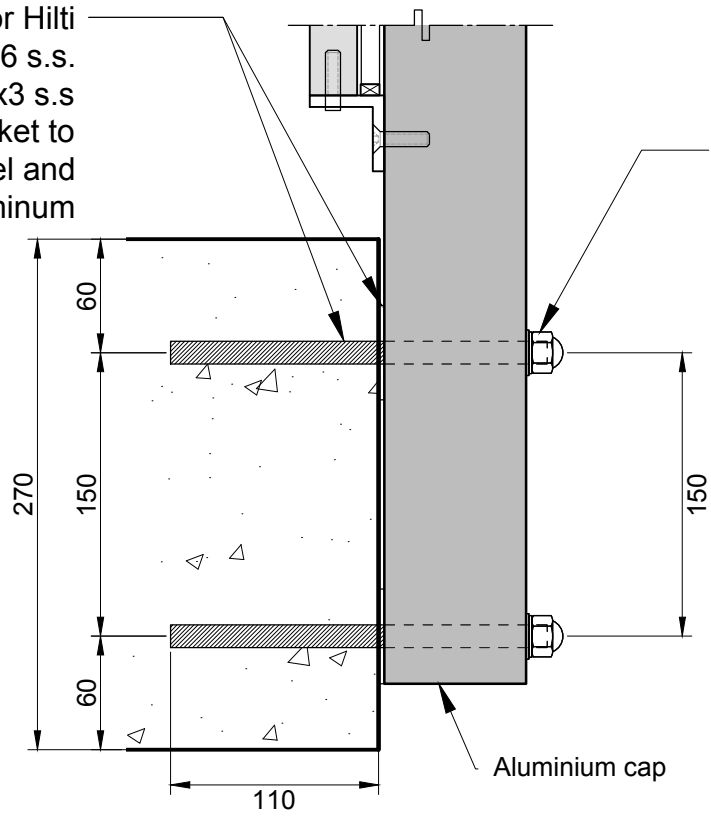
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Interlinking rail is required for 10mm toughened safety glass.



Ramset Epcon C6 or Hilti HY-200-R anchor with T316 s.s. threaded rod, 50x50x3 s.s washer, nylon bush and gasket to separate stainless steel and aluminum

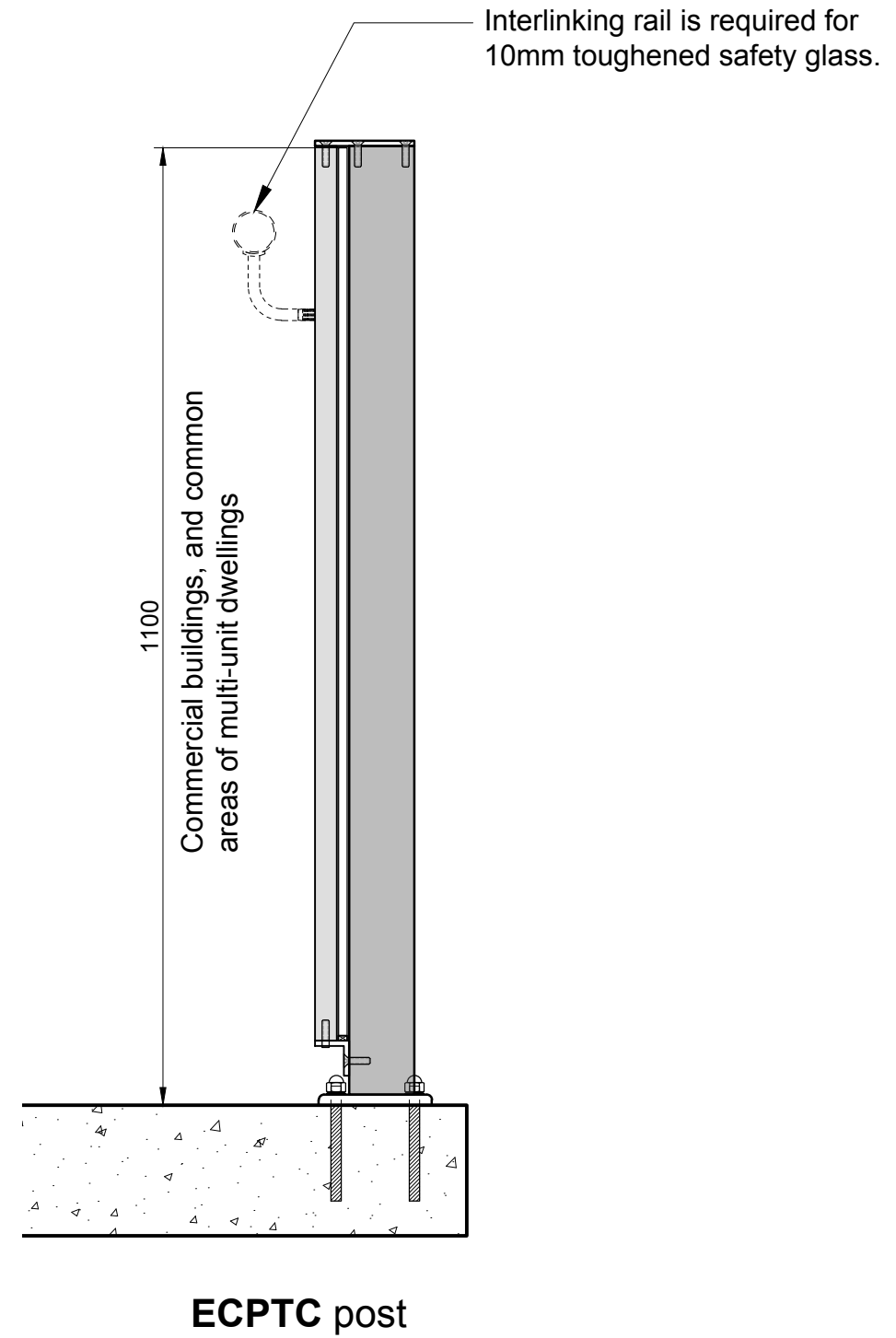
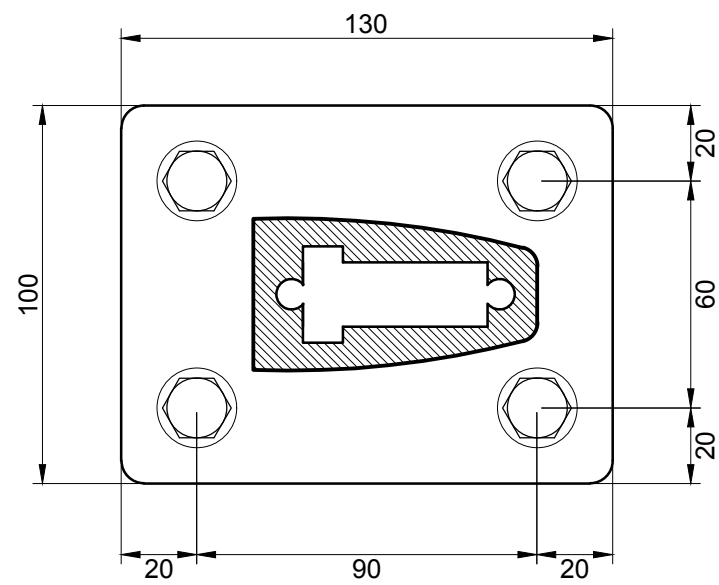
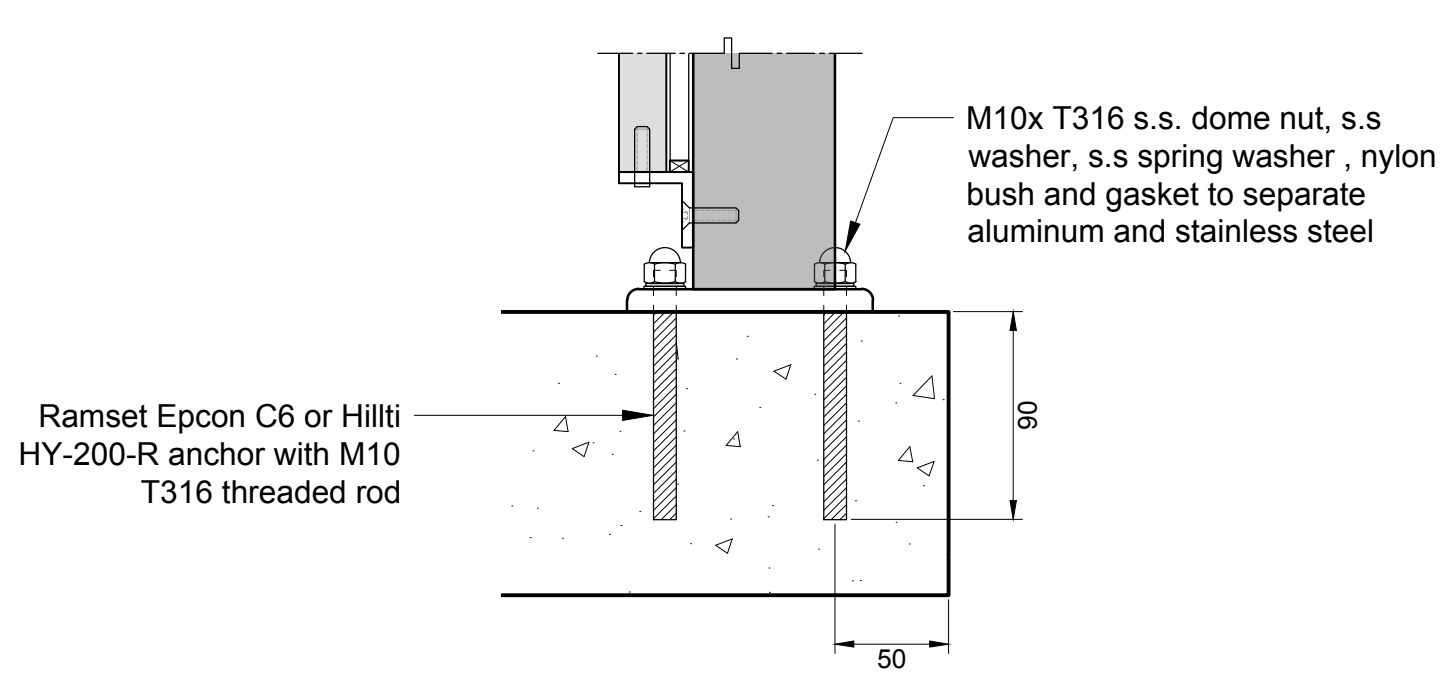
M12 x T316 s.s dome nut, s.s. washer, s.s. spring washer, nylon bush and gasket to separate aluminium and stainless steel



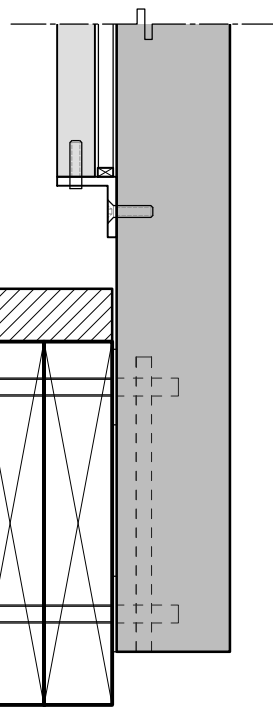
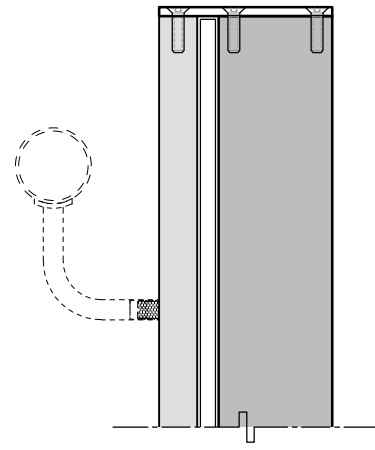
ECPFC post

Commercial buildings, and common areas of multi-unit dwellings

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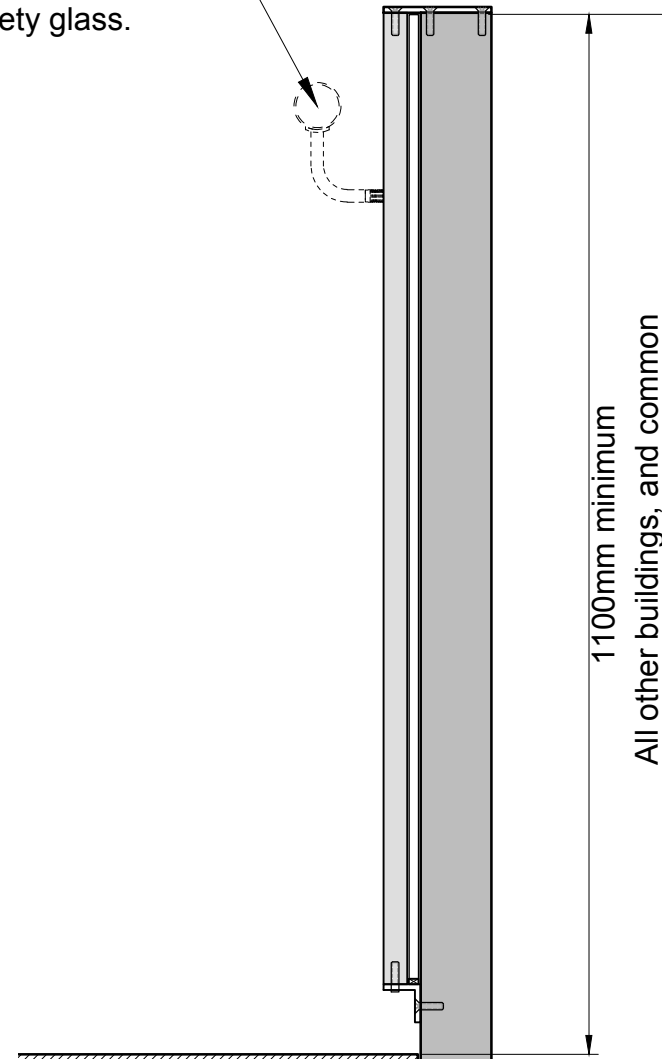
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Steel or timber support.
Allow separation gasket and
nylon sleeves if external.

ECPHBT post
Concealed fixings
FIXING DETAIL A

Interlinking rail is required for
10mm toughened safety glass.



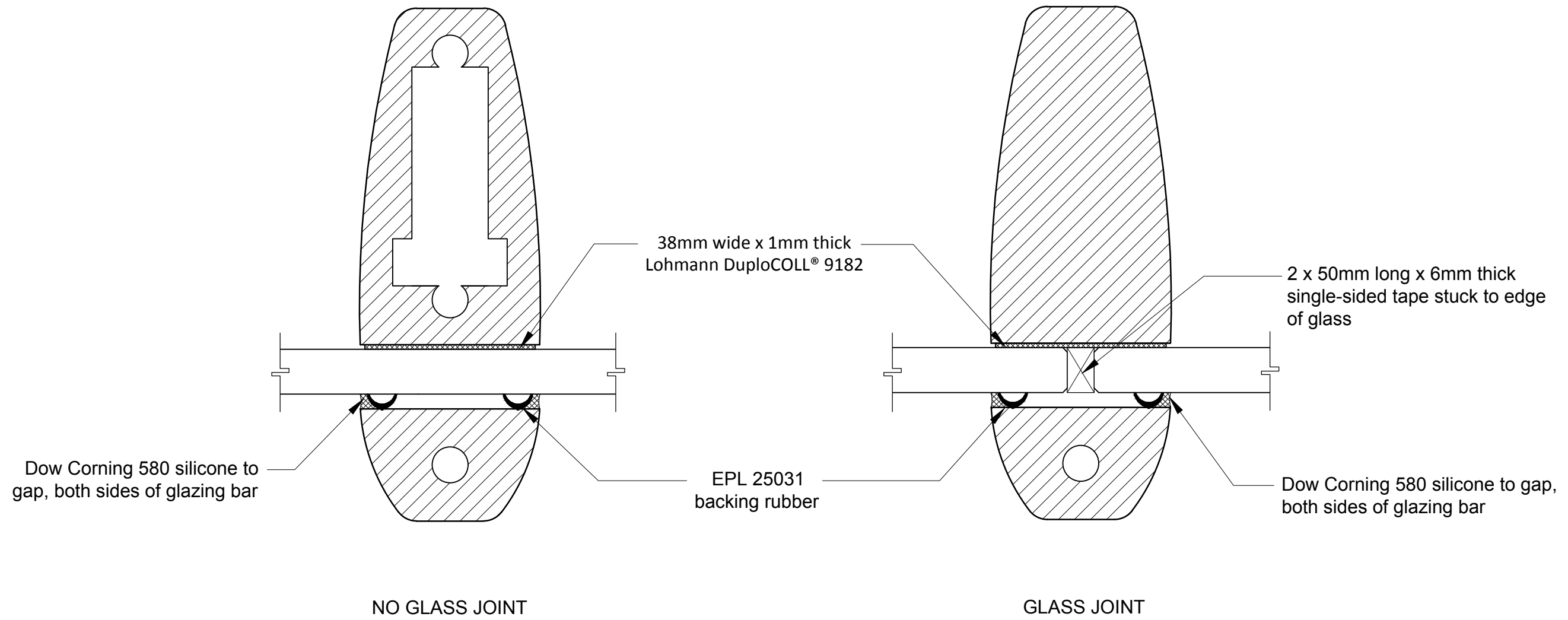
1100mm minimum
All other buildings, and common
areas of multi-unit dwellings

M12 x T316 bolt & 50x50x3
s.s. washer

M12 x T316 s.s dome nut, s.s.
washer, s.s. spring washer, nylon
bush and gasket to separate
aluminum and stainless steel

ECPFBT post
FIXING DETAIL B

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GLAZING DETAILS

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