

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: 1200mm

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

- a. 8 mm toughened glass with interlinking rail
- b. 9.2 mm toughened laminated glass
- c. 9.52 mm toughened SentryGlas laminated glass with maximum unsupported overhang of 200mm

-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.

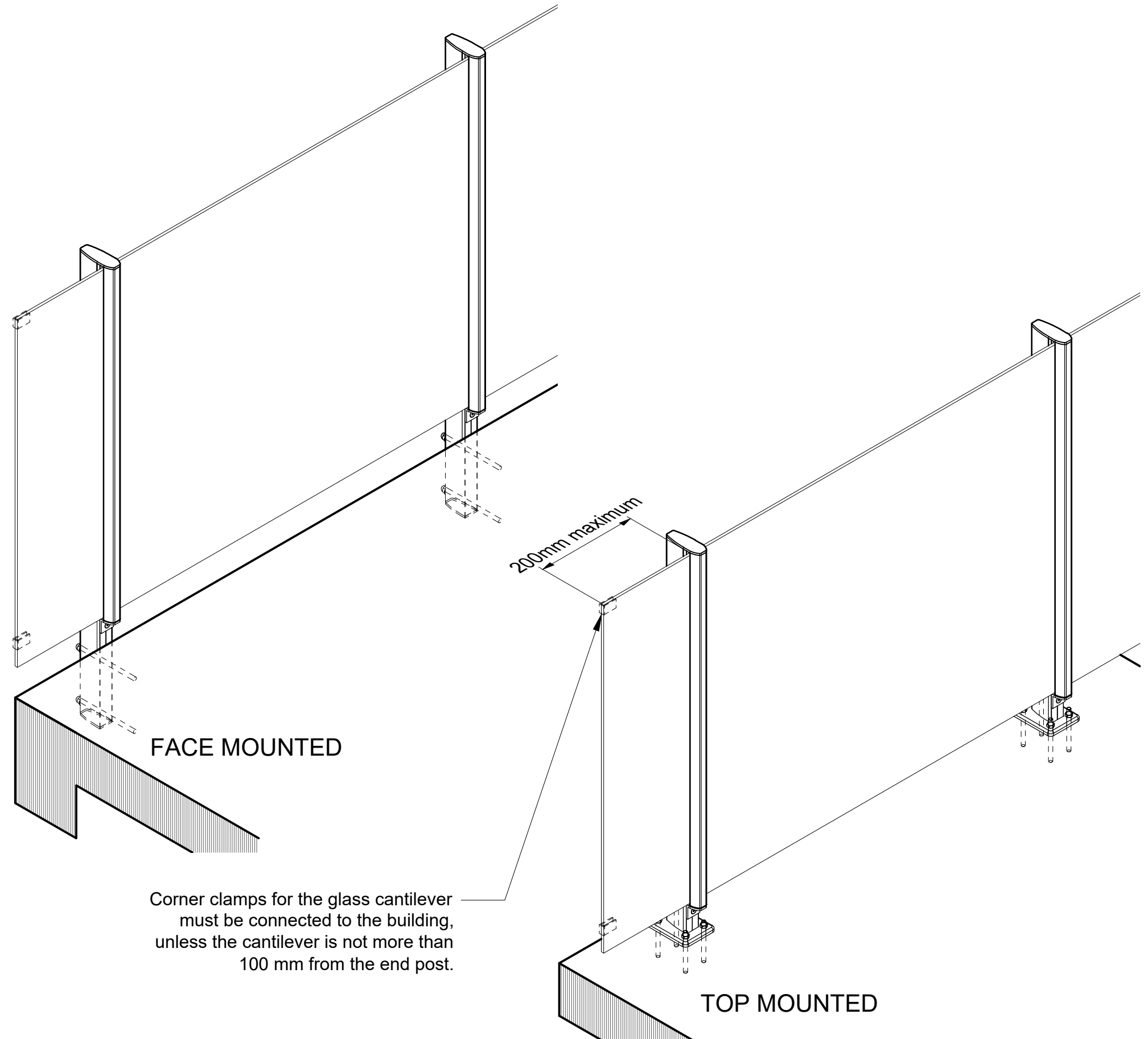
3. The design of the concrete support is the responsibility of others.

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

5. Height of interlinking rail to be 1000mm from FFL as per NZBC B1/AS1.

6. Use grade 316 stainless steel fixings and washers

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



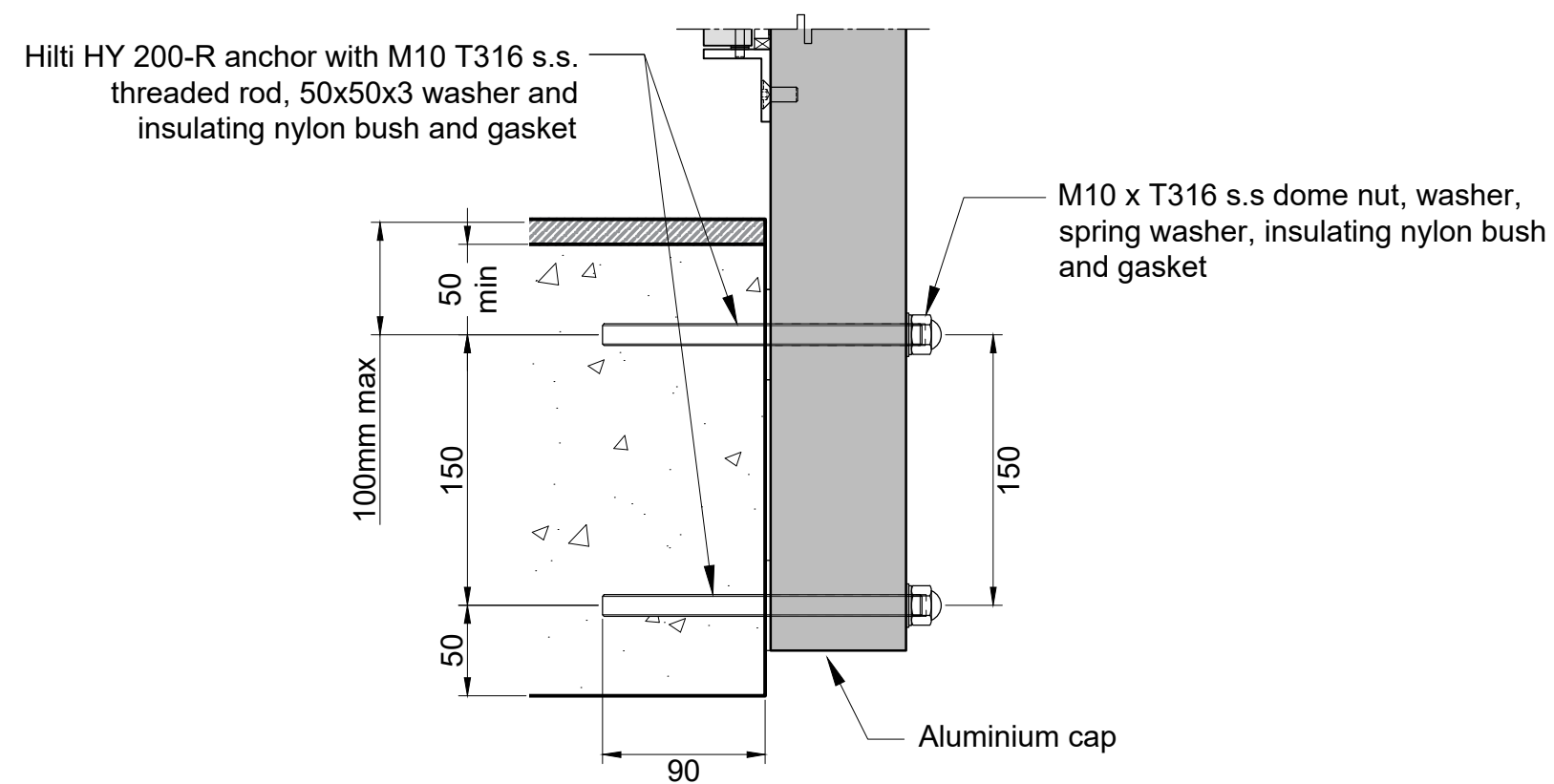
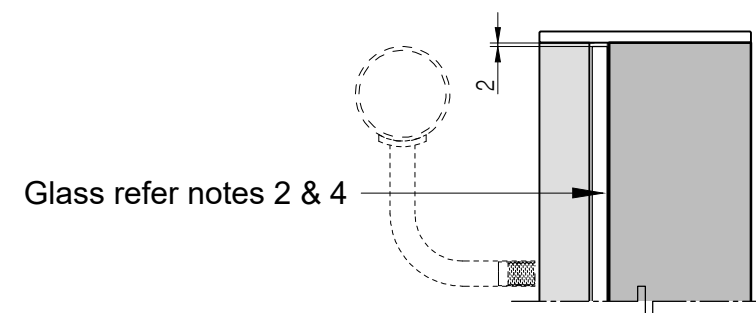
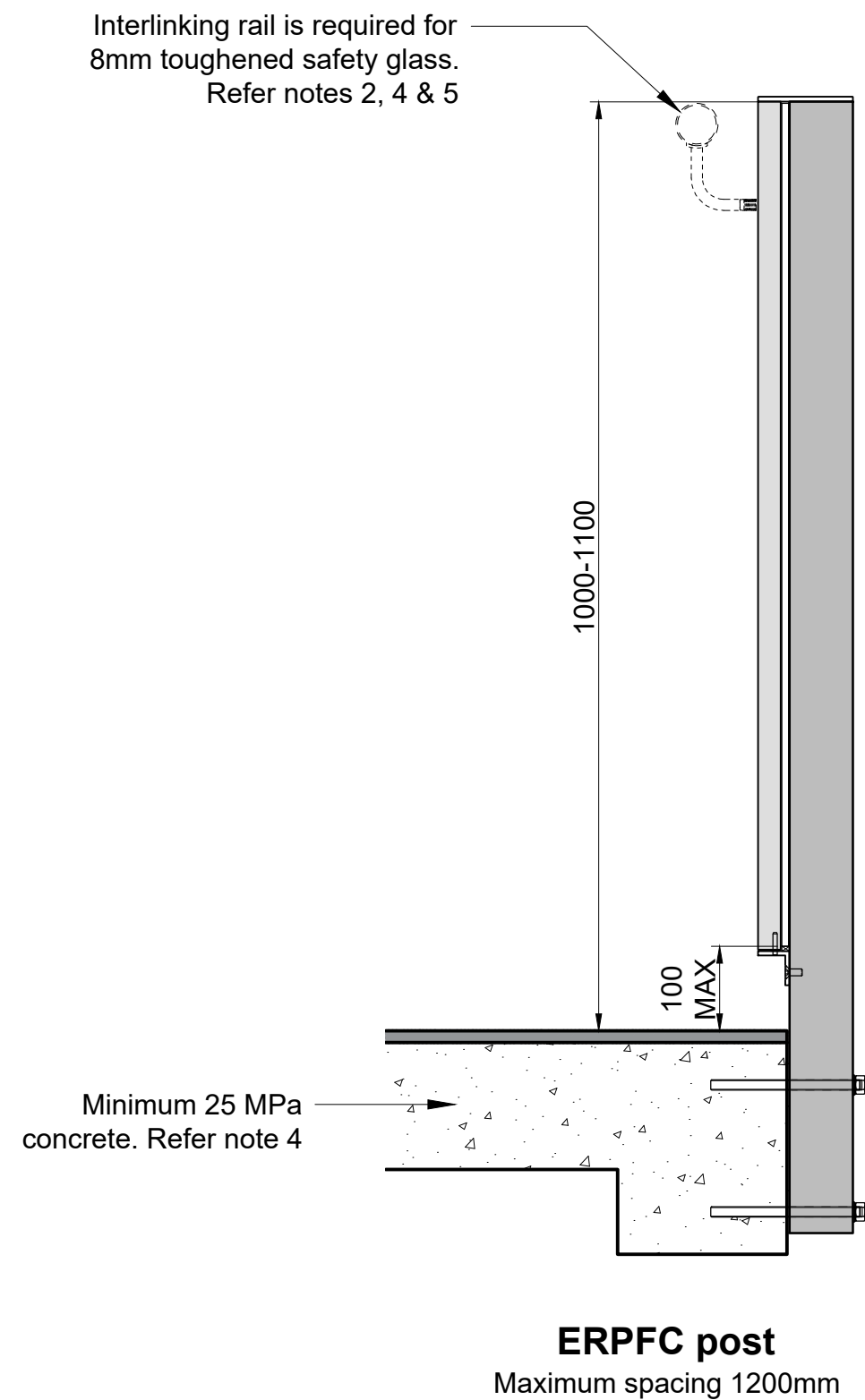
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Viridian Glass

MILANO RESIDENTIAL BALUSTRADE SYSTEM FOR OCCUPANCY A,
A(other) & C3

date 19/09/18
scale NTS

drawing no
MER-8



Interlinking rail is required for
8mm toughened safety glass.
Refer notes 2, 4 & 5

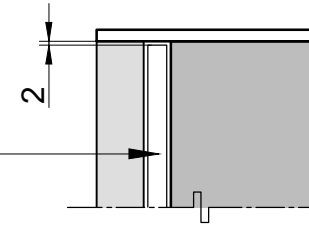
1000-1100

80

Minimum 25 MPa concrete
Refer note 4

ERPTC post
Maximum
spacing 1200mm

Glass refer notes 2 & 4

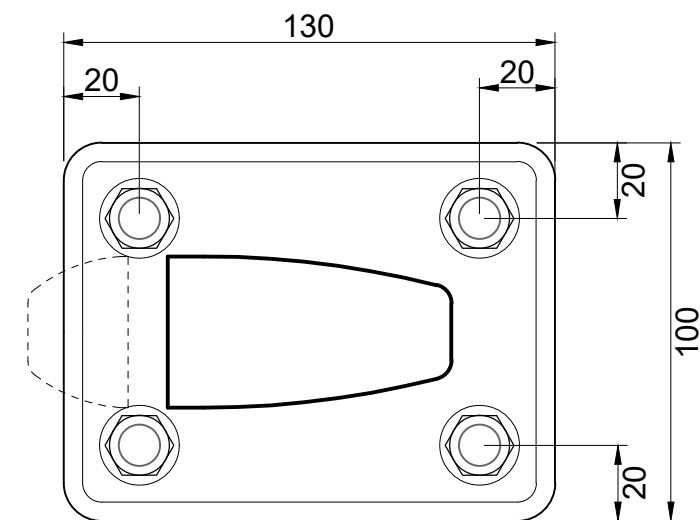


Hilti HY 200-R with M10
T316 threaded rod

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

90

50
min



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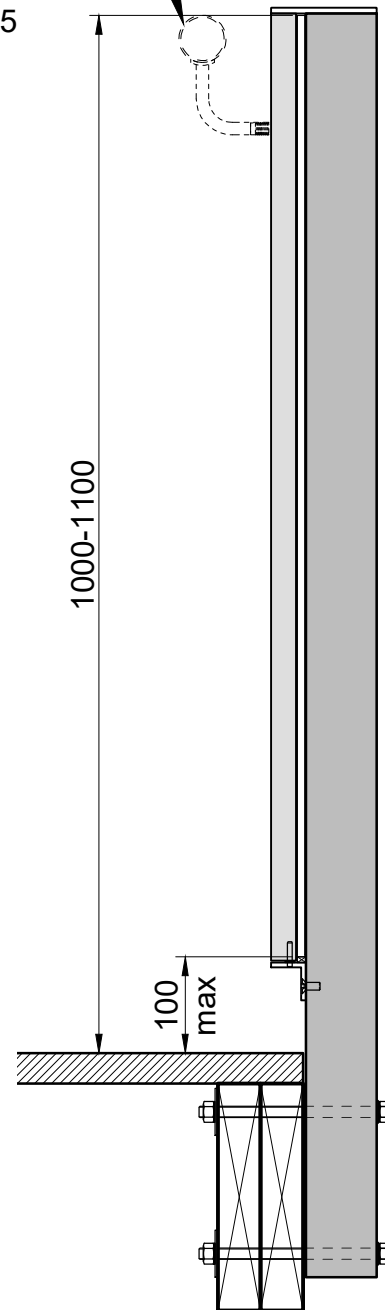
Viridian Glass

MILANO BALUSTRADE FIXING DETAILS

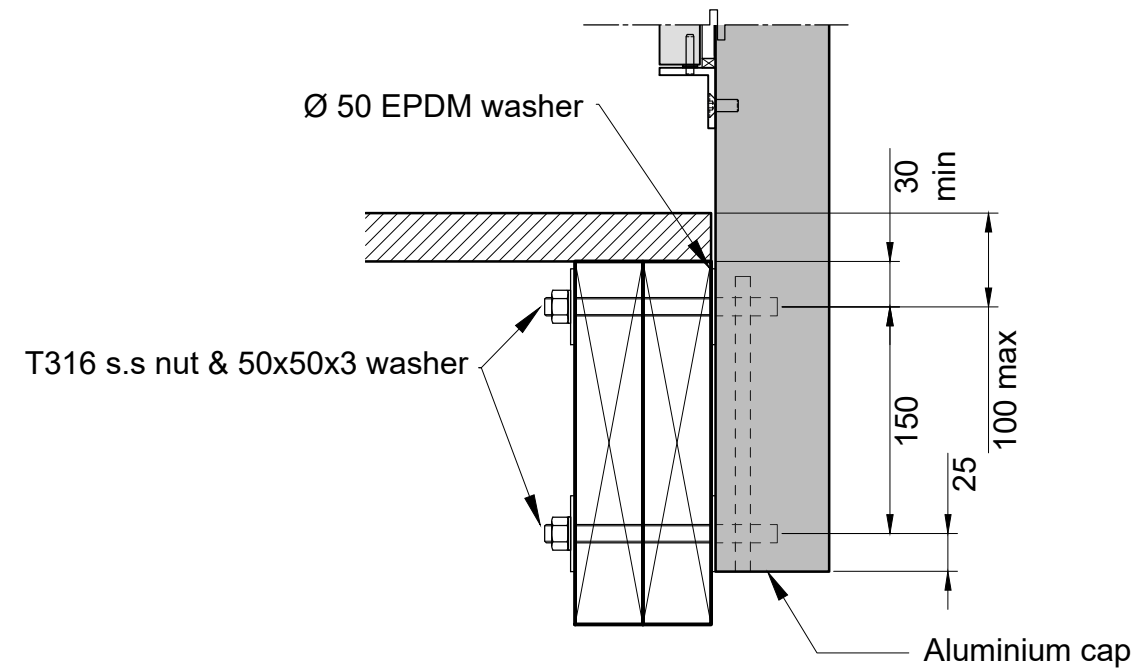
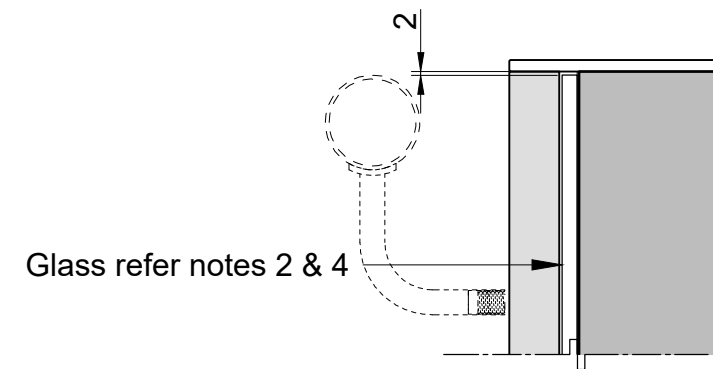
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scale

drawing no
MER-10

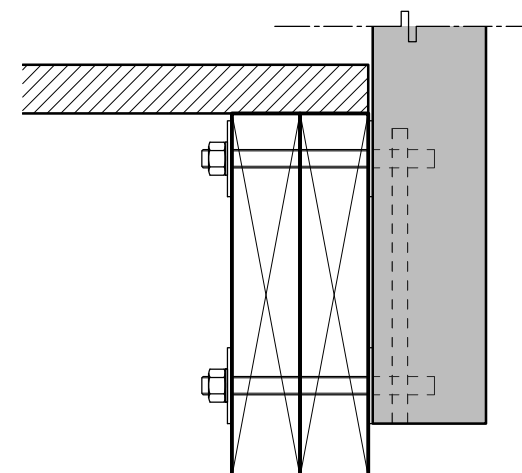
Interlinking rail is required for
8mm toughened safety glass.
Refer notes 2, 4 & 5



ERPHBT post
Maximum spacing
1200mm



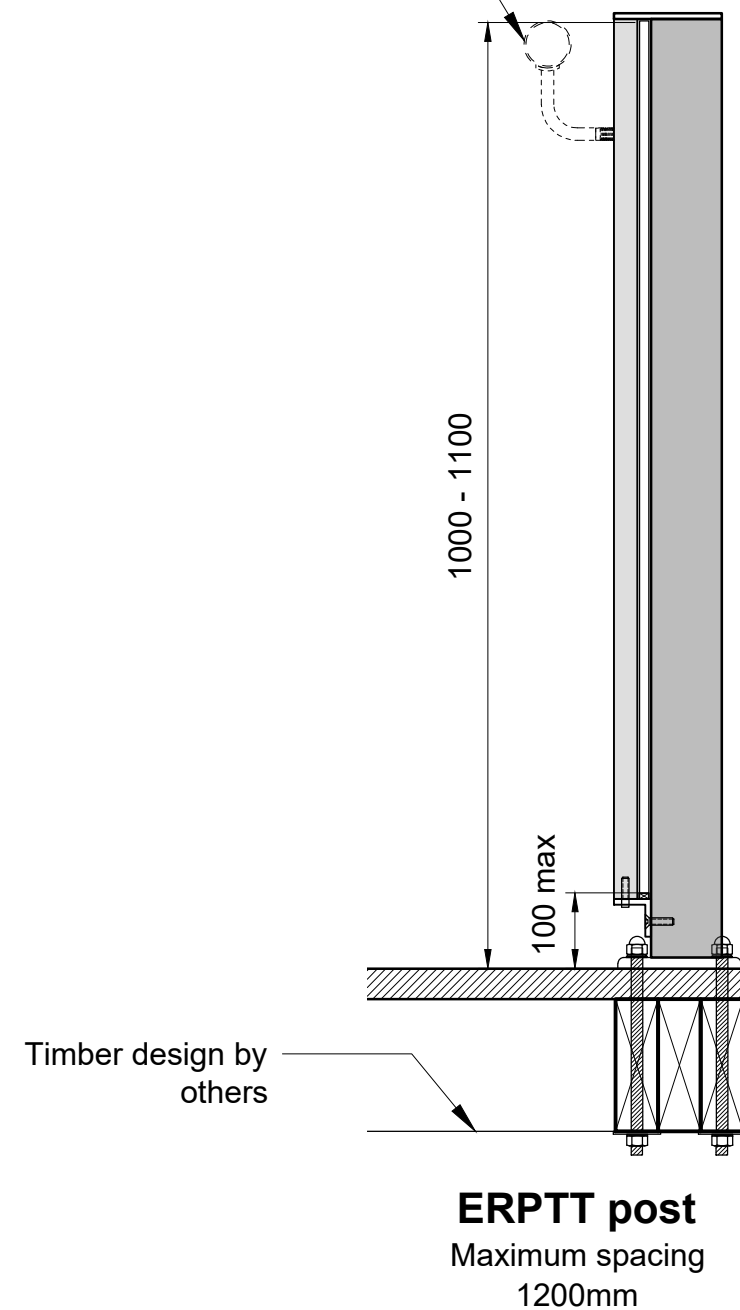
FIXING DETAIL A



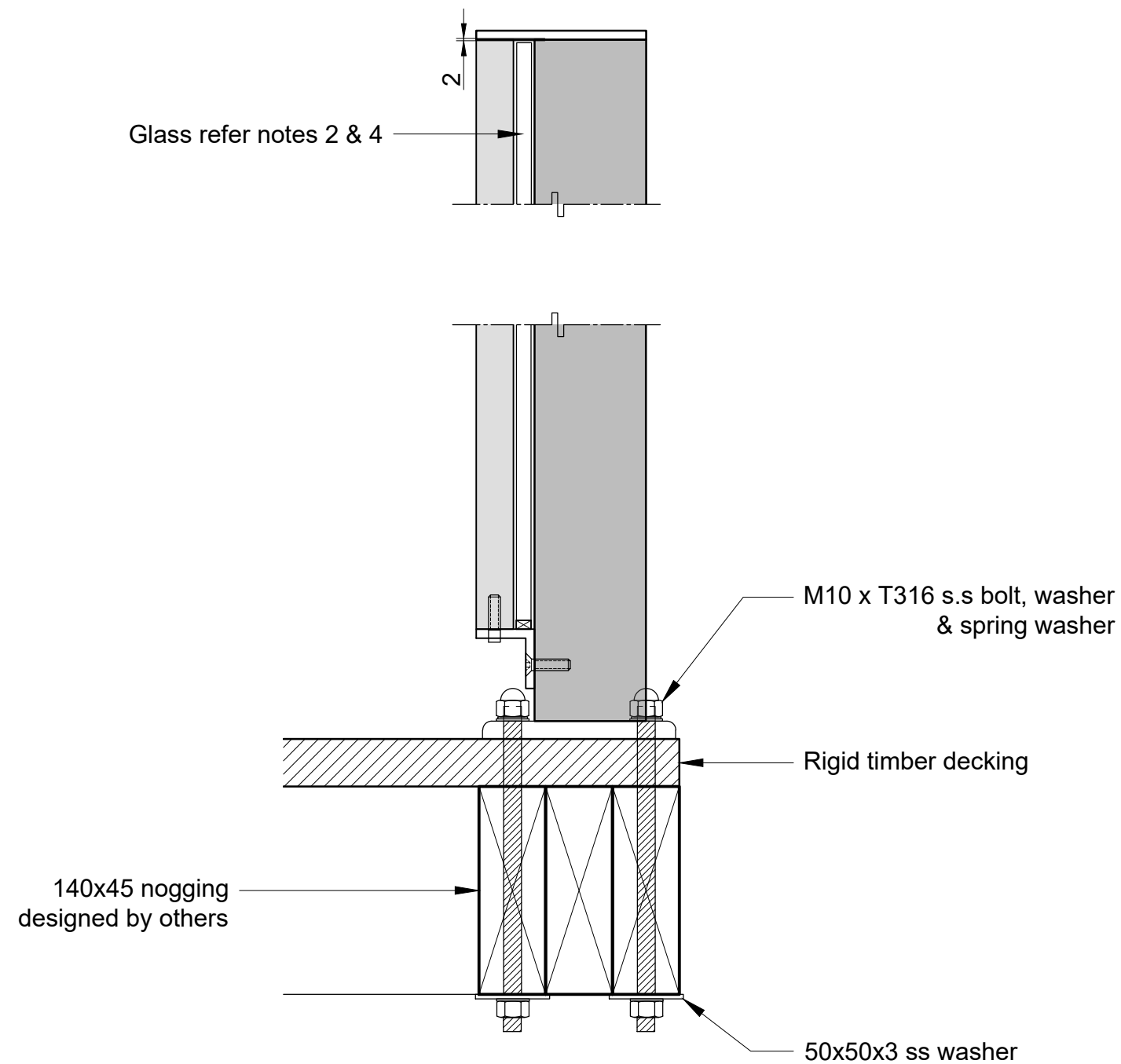
FIXING DETAIL B

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Interlinking rail is required for
8mm toughened safety glass.
Refer notes 2, 4 & 5



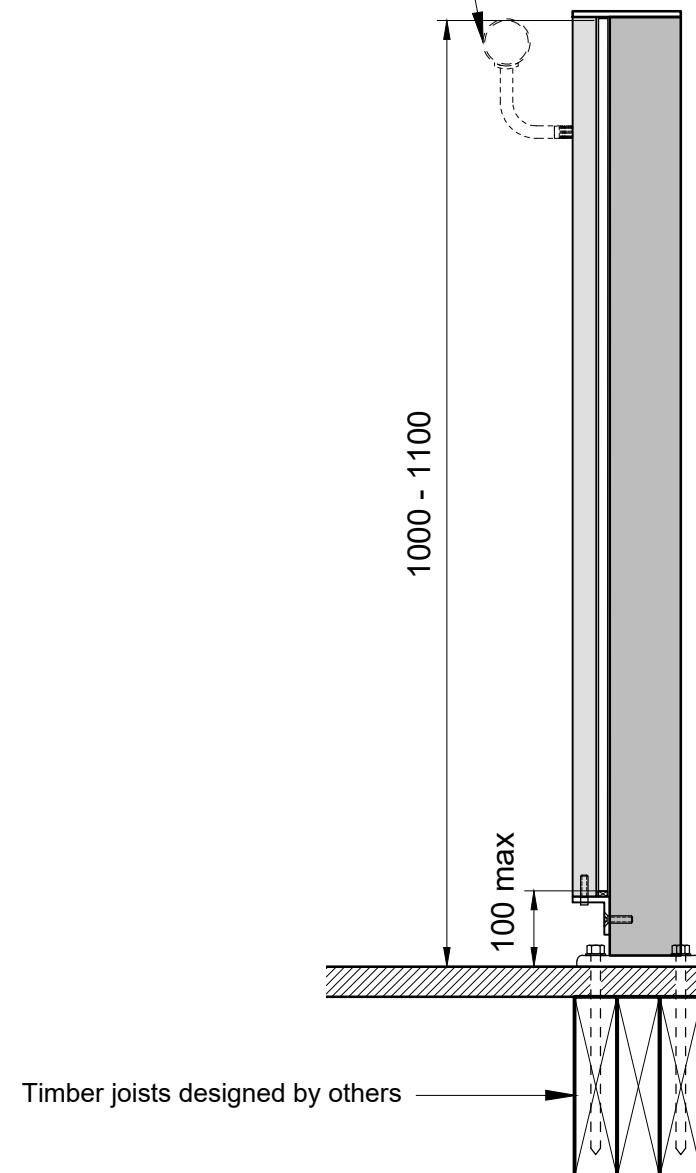
Glass refer notes 2 & 4



FIXING DETAIL

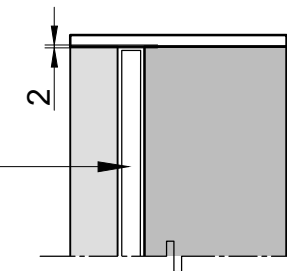
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Interlinking rail is required for
8mm toughened safety glass.
Refer notes 2, 4 & 5

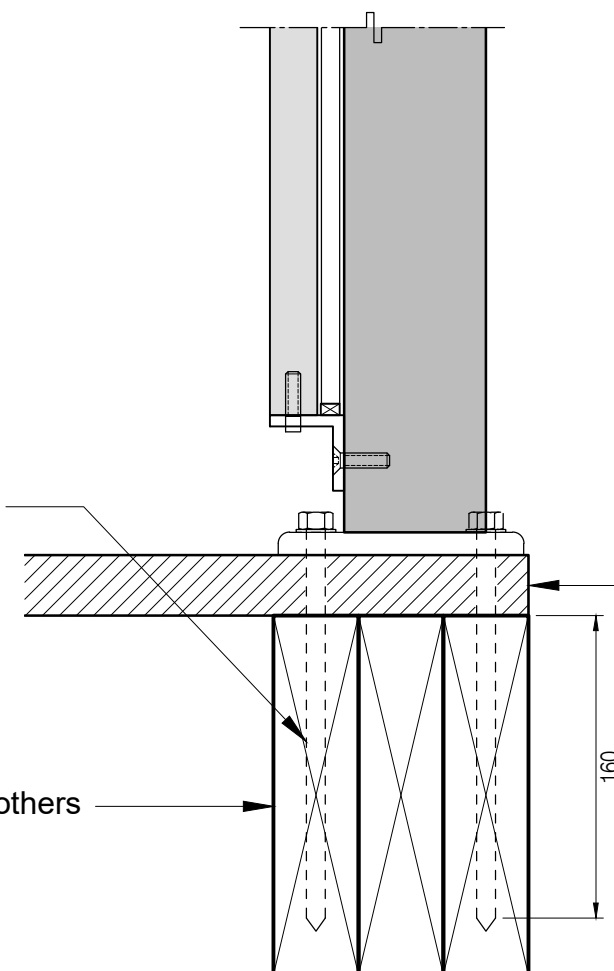


ERPTT post
Maximum spacing
1200mm

Glass refer notes 2 & 4



Drill through Ø7mm pilot hole
SS316 M10 Coachscrews into
timber framing with min. 180mm
penetration

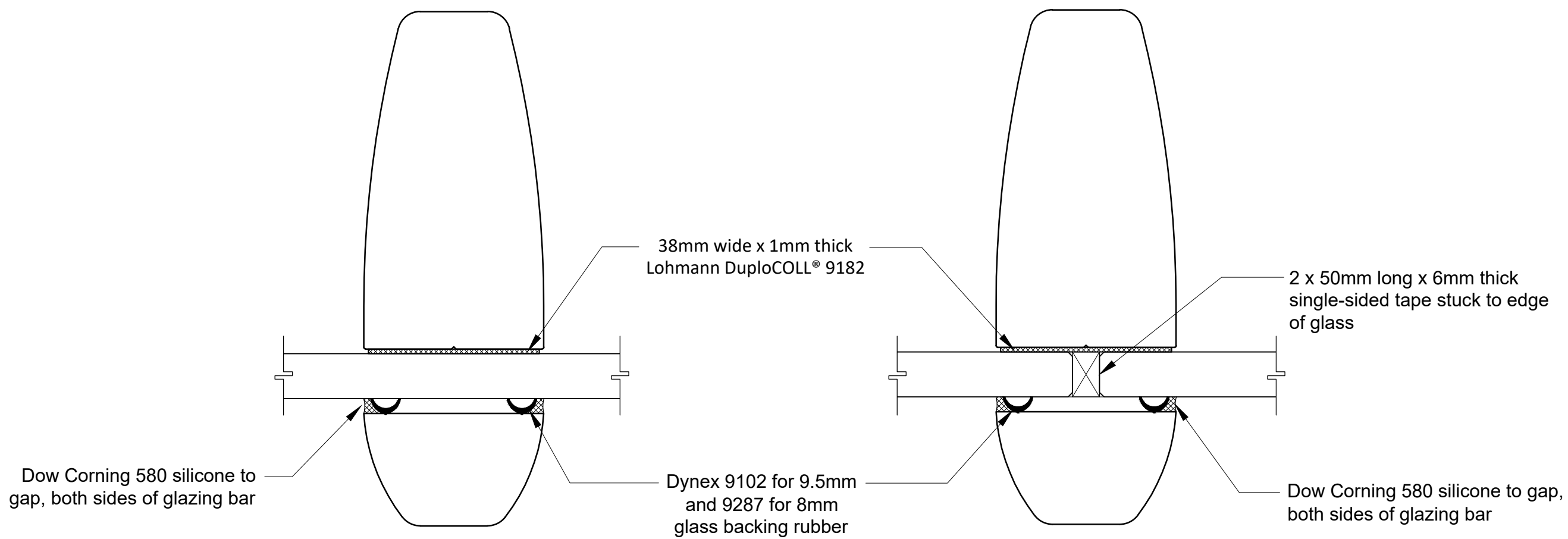


Rigid timber decking

Timber joists designed by others

FIXING DETAIL

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NO GLASS JOINT

GLASS JOINT

GLAZING DETAILS

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