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

Hilti HY 200-R anchor with M10 T316 s.s. threaded rod, 50x50x3 washer and insulating nylon bush and gasket

Minimum 25 MPa concrete. Refer note 4

ERPFC post
Maximum spacing 1200mm

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

Aluminium cap

Glass refer notes 2 & 4

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

ERPTC post
Maximum spacing 1200mm

Minimum 25 MPa concrete
Refer note 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

Glass refer notes 2 & 4

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Viridian Glass

MILANO BALUSTRADE FIXING DETAILS

date 19/09/18 drawing no MER-10
Interlinking rail is required for 8mm toughened safety glass. Refer notes 2, 4 & 5

**FIXING DETAIL A**
- T316 s.s nut & 50x50x3 washer
- Ø 50 EPDM washer
- Aluminium cap

**FIXING DETAIL B**
- ERPHBT post
- Concealed fixings

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**MILANO BALUSTRADE FIXING DETAILS**

Date: 19/09/18  
Drawing no: MER-11
Interlinking rail is required for 8mm toughened safety glass. Refer notes 2, 4 & 5

ERPTT post
Maximum spacing 1200mm

Timber design by others

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

50x50x3 ss washer

Rigid timber decking

140x45 nogging designed by others

Glass refer notes 2 & 4

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

ERPTT post
Maximum spacing 1200mm

Timber joists designed by others

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

Glass refer notes 2 & 4

Rigid timber decking

Timber joists designed by others

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MILANO BALUSTRADE FIXING DETAILS
GLAZING DETAILS

38mm wide x 1mm thick Lohmann DuploCOLL® 9182

2 x 50mm long x 6mm thick single-sided tape stuck to edge of glass

Dynex 9102 for 9.5mm and 9287 for 8mm glass backing rubber

Dow Corning 580 silicone to gap, both sides of glazing bar

NO GLASS JOINT

GLASS JOINT

GLAZING DETAILS