NOTES:
1. This proprietary balustrade system complies with New Zealand Building Code Clauses B1 Structure, B1/AS1 Amendment 15, B1/VM1, F2 Hazardous Building Materials and F4 Safety From Falling Third Edition, subject to:
   - all products meeting the required performance specification
   - site installation carried out in accordance with intent of this drawing
2. Maximum height H of glass above top anchors for residential occupancies A, A(other) and C3 of Table 3.3 AS/NZS 1170.1 and anchor spacings are:
   - H 1100mm maximum for up to very high wind zone 1.76 kPa
   - EUBFSD50 discs and spacers at 600 mm crs for occupancy A, and 400 mm crs for occupancy A (other) and C3
3. Viridian safety glass options according to 22.4.3 of NZS 4223.3:2016 are:
   a. 12mm toughened glass with interlinking rail
   b. 13.52mm toughened SentryGlas laminated glass with a minimum pane width of 1200mm
   Interlinking rail must be connected to each glass pane or to the building.
4. The design of the support structure is the responsibility of others.
6. Maximum distance from side edge of glass to fixings is 200mm.

Support structure by others.
Refer note 3.
Anchors @ 400mm crs

SS316 M10 threaded rod in Ramset Epcon C6 anchor or Hilti HY-200-R

DETAILED A - CONCRETE

Anchors @ 400mm crs

SS316 M10 threaded rod, nut and 50x50x3mm washer

DETAILED B - SG 8 TIMBER

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**EUROANCHOR RESIDENTIAL BALUSTRADE SYSTEM**

**DETAIL A - EXPOSED SG 8 TIMBER**

- Anchors @ 400mm crs for occupancy C3
- SS316 M10 lag screw. Drill through Ø7 pilot hole.
- EPDM gasket
- Sealant in hole
- Threaded spacer for non-rigid cladding to avoid crushing
- 130 mm min penetration

**DETAIL B - DRY CONCEALED SG 8 TIMBER**

- Anchors @ 400mm crs for occupancy C3
- Waterproofing and flashing by others
- SS316 M10 lag screw. Drill through Ø7 pilot hole.
- Rigid wall cladding and 45mm wide radiata cavity batten directly behind every anchor
- 90 min penetration
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EUROANCHOR RESIDENTIAL BALUSTRADE SYSTEM

DETAIL A - ENCLOSED DECK SG 8 TIMBER

- SS316 M10 lag screw.
- Drill through Ø7 pilot hole.
- Anchors @ 400mm crs for occupancy C3
- Sealant in hole
- SS shim & EPDM gasket
- Waterproofing & flashing by others

DETAIL B - INTERNAL INSTALLATION SG 8 TIMBER

- SS316 M10 lag screw.
- Drill through Ø7 pilot hole.
- Anchors @ 600mm crs for occupancy A
- 40 min
- 110 to 300
- 40 min

Anchors @
400mm crs for occupancy C3

Sealant in hole

SS shim &
EPDM gasket

45mm wide radiata cavity batten
fixed behind every anchor

40 min penetration

90 min penetration

90 minimum penetration
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DETAIL A - STEEL - EXTERNAL

- Anchors @ 400mm crs
- EPDM washer & nylon insulating bush in hole
- SS316 nut welded by others
- Painted HDG steel

DETAIL B - STEEL - INTERNAL

- Anchors @ 400mm crs
- EPDM washer
- M10 tapped hole by others
- 10 min

EUROANCHOR BALUSTRADE FIXING DETAILS

Date: 6-9-16
Scale: 1:10, 1:4
Drawing No: ER-5c
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EUROANCHOR RESIDENTIAL BALUSTRADE SYSTEM

FIXING DETAIL w/ 10mm THK S/S WASHER (LOCK NUT and SPRING WASHER) for INTERNAL INSTALLATION SG 8 TIMBER

- Anchors @ 400mm crs for occupancy A
- 15mm toughened glass
- SS316 M10 threaded rod, nut and 50x50x3mm washer
- Lock nut and spring washer (optional)
  - to keep the threaded rod from turning during installation
- 2 off, 10g X 50mm s/s timber screw
- 50Ø X 10mm thk s/s washer
- M10 hole
- Stainless steel washer to be fixed/installed prior to ceiling

15mm toughened glass
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EUROANCHOR RESIDENTIAL BALUSTRADE SYSTEM

FIXING DETAIL w/ 10mm THK S/S WASHER (WELDED)
for INTERNAL INSTALLATION SG 8 TIMBER

15mm toughened glass

Anchors @ 400mm crs for occupancy A

Threaded rod welded to s/s washer

SS316 M10 threaded rod, nut and 50x50x3mm washer

50Ø X 10mm thk s/s washer

M10 hole

2off, 10g X 50mm s/s timber screw

Stainless steel washer to be fixed/installed prior to ceiling

15mm toughened glass
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**EUROANCHOR BALUSTRADE FIXING DETAILS**

**TREAD AND EUROANCHOR ELEVATION**

Solid timber stair tread by others

Euroanchor disc

Solid timber stair tread by others

13.52mm toughened SentryGlas laminated glass

SS316 M10 threaded rod in HILTI HIT-RE 500 with minimum penetration of 125mm

125mm minimum penetration

**FIXING DETAIL**
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**EUROANCHOR BALUSTRADE FIXING DETAILS**

- **Concrete stair tread by others**
- **Euroanchor disc**
- **Concrete stair tread by others**
- **13.52mm toughened SentryGlas laminated glass**
- **SS316 M10 threaded rod in Ramset Epcon C6 anchor or HILTI HY-200-R. Minimum penetration of 125mm**
- **125mm minimum penetration**

**TREAD AND EUROANCHOR ELEVATION**

**FIXING DETAIL**
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EUROANCHOR RESIDENTIAL BALUSTRADE SYSTEM

FIXING DETAIL - DRY CONCEALED SG 8 TIMBER

Anchors @ 400mm crs for occupancy C3

EPDM gasket

Sealant in hole

Threaded spacer for non-rigid cladding to avoid crushing

Waterproofing and flashing by others

SS316 M10 threaded rod, nut and 50x50x3mm washer

90 min penetration

Rigid wall cladding and 45mm wide radiata cavity batten directly behind every anchor

40 min

110 to 300

40 min
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Anchors @ 400mm crs for occupancy C3

EPDM gasket
Sealant in hole

FIXING DETAIL w/ 10mm THK S/S WASHER (WELDED) for DRY CONCEALED SG 8 TIMBER

Threaded rod welded to 10mm thk s/s washer

Waterproofing and flashing by others

Threaded spacer for non-rigid cladding to avoid crushing

50 Ø X 10mm thk s/s washer
M10 hole
2 off, 10g X 50mm s/s timber screw

Stainless steel washer to be fixed/installed prior to ceiling

Rigid wall cladding and 45mm wide radiata cavity batten directly behind every anchor

SS316 M10 threaded rod, nut and 50x50x3mm washer

40 min
110 to 300
40 min
Anchors @ 600mm crs maximum (for internal)

Custom Rectangular cover

90mm minimum penetration

50 min

110 to 300

90mm minimum penetration

50min

90mm minimum penetration

EUROANCHOR BALUSTRADE FIXING DETAILS

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