NOTES:
1. This proprietary balustrade system complies with New Zealand Building Code Clause 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. Based on barrier loads from AS/NZS 1170.1, Viridian 12mm toughened or 13.5mm toughened laminated safety glass, maximum height H above clamp are:

   For residential occupancy C3 of Table 3.3 AS/NZS 1170.1
   H: 1100mm high for up to extra high wind zone of 2.13 kPa
   Refer drawing EFC-5 for 13.5mm glass and detail of back cover.

3. Design of support structure is the responsibility of others.


5. Viridian safety glass options according to 22.4.3 of NZS 4223.3:2016 are:
   a. 12mm toughened safety glass with interlinking rail
   b. 13.2mm toughened laminated with glass gap clamps and a maximum pane width of 2000mm
   c. 13.52mm toughened SentryGlas laminated glass with minimum pane width of 1000mm

   Interlinking rail or gap clamps must be connected to adjacent glass panes or to the building

6. The distance between fixings and the end of the channel or a joint must not exceed 300mm.
SS316 M10 threaded rod in Ramset Epcon C6 anchor @ 600mm crs or Hilti HY 200-R

LUGANO CHANNEL FIXING DETAIL

40x40x3 s.s. front washers

40x40x3 s.s. back washers

DATE 21-3-14
DRAWING NO EFC-2a
SCALE 1:2 & 1:10
SS316 M10 lagscrews at 300mm crs maximum. Drill through Ø7 pilot hole.

40x40x3 ss washer & EPDM gasket

Rigid cladding

45mm wide radiata cavity batten fixed directly behind every anchor

WET EXPOSED SG 8 TIMBER
DETAIL A

DRY CONCEALED SG 8 TIMBER
DETAIL B

DATE
20-09-17

DRAWING NO
EFC-3a

SCALE
1:2 & 1:10
LUGANO CHANNEL FIXING DETAIL

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

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

40x40x3 ss washer & EPDM gasket

Waterproofing and flashing by others

Lock nut and spring washer (optional)
-to keep the threaded rod from turning during installation

SS316 M10 threaded rod at 600mm crs

50Ø X 10mm thk s/s washer

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

40x40x3 ss washer
& EPDM gasket

50Ø X 10mm thk s/s washer

M10 hole

Stainless steel washer to be fixed/installed prior to cladding / ceiling

Viridian Glass
A division of Viridian Glass Ltd Partnership

date 17/05/18
drawing no ER-3b
scale 1:10, 1:4

This drawing is provided as a general guide only. Viridian Glass Ltd Partnership disclaim any responsibility for loss or damage suffered from the use of this drawing.
Hole and s.s. nut welded by others at 600mm crs max, or nut with s.s. & EPDM washer

Nylon bush in hole

S.s. and EPDM washers

Steel structure by others

SS316 M10 threaded rods at 600mm crs max. All holes drilled and tapped M10 by others.

Steel structure by others. Minimum 10mm thick.

FOR INTERNAL INSTALLATION ONLY

DETAIL A

DETAIL B

LUGANO CHANNEL FIXING DETAIL

DATE
DATING NO
SCALE
1:2 & 1:10

21-3-14
EFC-4
ENCLOSED DECK SG 8 TIMBER
DETAIL A

- SS shim & EPDM gasket
- SS and EPDM washer
- Sealant in hole
- 45mm wide radiata cavity batten fixed directly behind every anchor
- SS316 M10 lagscrews at 300mm crs maximum. Drill through Ø7 pilot hole.
- Minimum wood thread penetration
- 40x40x3 s.s. front washers
- Rigid cladding by others
- Waterproofing & flashing by others

INTERNAL INSTALLATION SG 8 TIMBER
DETAIL B

- SS316 M10 lagscrews at 300mm crs max. Drill through Ø7 pilot hole
- 90 minimum penetration
- 40x40x3 s.s. front washers
- Rigid cladding by others

LUGANO CHANNEL FIXING DETAIL

DATE 11/10/2018
SCALE 1:2
DRAWING NO EFC-5
Viridian 13.2MM or 13.52mm toughened laminated safety glass

Back cover for 13.2 mm or 13.52mm thick glass

Tight fitting glazing gasket or red plastic wedge (refer to option 1 and 2)

OPTION 1

V60 or DC580 Silicone seal
905258 Red plastic wedge

OPTION 2

9010250 PPL 5.0mm lo-rise PVC wedge with white stripe

2 x 100 x 6mm neoprene setting blocks per panel