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 the intent of this drawing

2. Based on barrier loads from AS/NZS 1170.1 and extra high wind zone (2.13 kPa) or less, maximum height \( H \) above floor level and safety glass options are:

   For residential occupancies A, A(other) & C3 of Table 3.3 AS/NZS 1170.1

   Maximum height \( H \) 1100mm

   Safety glass options according to 22.4.3 and Table 14 of NZS 4223.3:2016 are:
   
   a. 12mm toughened glass with interlinking rail at 1000 mm above FFL
   b. 13.2mm EVA toughened laminated glass with interlinking gap clamps and a maximum pane width of 2000mm
   c. 13.52mm SentryGlas toughened laminated glass with a minimum pane width of 1000mm

   Maximum height \( H \) 1300mm

   Safety glass options according to 22.4.3 and Table 14 of NZS 4223.3:2016 are:
   
   a. 15mm toughened glass with interlinking rail at 1000 mm above FFL
   b. 17.2mm EVA toughened laminated glass with interlinking gap clamps and a maximum pane width of 2000mm
   c. 17.52mm SentryGlas toughened laminated glass with a minimum pane width of 1000mm

   - Interlinking rail or gap clamps must to connected to each glass pane, structural post, or building element as required by NZS 4223.3:2016
   - Gap clamps shall be fixed on top of the glass panel.

3. Concrete, steel and timber design is the responsibility of others.

4. A handrail of 32-50mm diameter is required for stairs and ramps exceeding 1:20 slope. Fit handrail between 900mm and 1000mm above the pitchline. Refer NZBC D1/AS1.

5. The distance between the base fixing and the end of the channel or a joint must not exceed 200mm.

**DO NOT INSTALL THIS BALUSTRADE SYSTEM OVER WATERPROOFING MEMBRANE**
**FIXING DETAIL A**

**CONCRETE**

- SS316 M10 threaded rod in Ramset Epcon C6 or Hilti HY-200-R anchor @ 400 mm crs

- SS 316, M10 lagscrews @ 200mm crs maximum with min. 130mm penetration.
  - Drill pilot hole of Ø7x150mm deep.

- Minimum fcc 30 concrete.
  - Refer note 3 on drawing no ARF-1

**FIXING DETAIL B**

**WET EXPOSED SG8 TIMBER**

- Anzio clamps @400 mm crs

- Anzio channel

- Hard decking material

**ANZIO RESIDENTIAL FLOOR**

**MOUNTED BALUSTRADE SYSTEM**

- 1:2 scale

**Viridian Glass**

**Date:** 26-09-17

**Drawing No:** ARF-2a
ANZIO RESIDENTIAL FLOOR
MOUNTED BALUSTRADE SYSTEM

FIXING DETAIL A

- Anzio clamps @400 crs
- Anzio channel
- M10 S.S 316 threaded rod @ 400 mm crs
- Nylon washer and bush in hole

FIXING DETAIL B

- Anzio clamps @400 crs
- Anzio channel
- SS316 M10 threaded rod @ 400 mm crs. All holes drilled and tapped M10 by others.