

DOMESTIC, RESIDENTIAL & NON RESIDENTIAL GLASS INFILL BALUSTRADES COVERING OCCUPANCIES A, B, C3 & E OF TABLE AS/NZS 1170.1:2002 UP TO A MAXIMUM HEIGHT OF 2000MM ABOVE GROUND LEVEL.

BALUSTRADE GLASS - 10MM & 12MM TOUGHENED OR 12MM TOUGHENED LAMINATE.	
LAMINATE INTERLAYER NOT INCLUDED IN GLASS THICKNESS.	MAXIMUM POST CENTERS WITH OR WITHOUT HANDRAIL
POOL FENCING - 12MM TOUGHENED, OR 12MM TOUGHENED LAMINATE TO A MAXIMUM HEIGHT OF 2000MM ABOVE GROUND LEVEL.	REFER OPUS TECHNICAL DRAWING OB100/24
INTERIOR BALUSTRADE	REFER OPUS TECHNICAL DRAWING OB100/24
EXTERIOR BALUSTRADE	REFER OPUS TECHNICAL DRAWING OB100/24
POOL FENCE MINIMUM HEIGHT OF 1200MM ABOVE G.L	REFER OPUS TECHNICAL DRAWING OB100/24

PLEASE NOTE:
POOL FENCING SUBJECT TO ULS LOADS EXCEEDING 1.76kPa TO 2.1kPa POST TO BE INSTALLED AT-

COMMERCIAL AND OFFICES WITHOUT CROWDING, RETAIL, RESTAURANTS & BARS COVERING OCCUPANCIES C1, C2 & D OF TABLE AS/NZS 1170.1:2002 UP TO A MAXIMUM HEIGHT OF 2000MM ABOVE GROUND LEVEL.

BALUSTRADE GLASS - 15MM TOUGHENED OR 16MM TOUGHENED LAMINATE.

LAMINATE INTERLAYER NOT INCLUDED IN GLASS THICKNESS.

INTERIOR BALUSTRADE	REFER OPUS TECHNICAL DRAWING OB100/24
EXTERIOR BALUSTRADE	REFER OPUS TECHNICAL DRAWING OB100/24

NOTES:

TIMBER/STEEL CALCULATIONS ARE THE RESPONSIBILITY OF OTHERS.

ALL FIXING HARDWARE TO BE GRADE 316 STAINLESS STEEL.

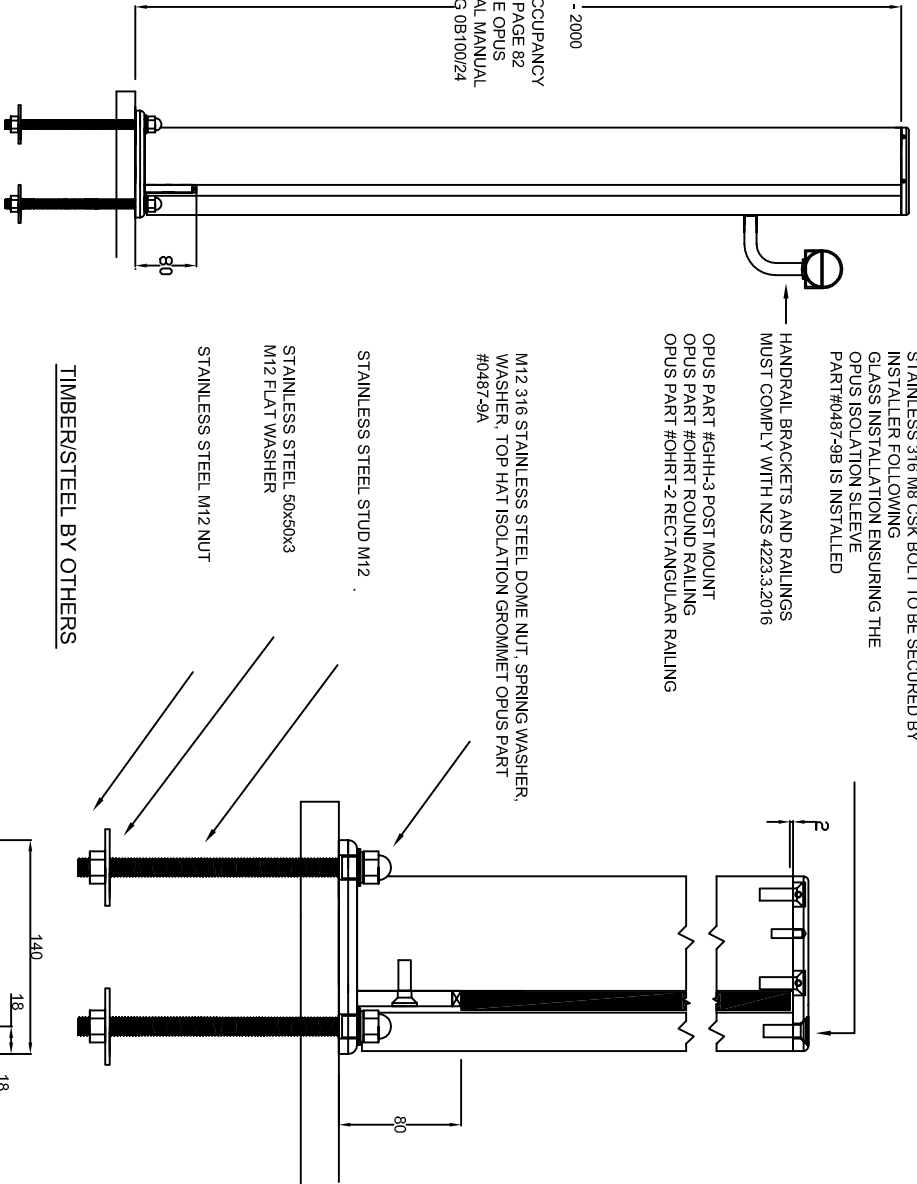
DURATEC POWDERCOAT OR 25 MICRON ANODISED FINISH IS RECOMMENDED FOR ALL INSTALLATIONS ESPECIALLY WITHIN COASTAL AREAS.

THIS PROPRIETARY BALUSTRADE SYSTEM HAS BEEN DESIGNED IN CONJUNCTION WITH THE GANZ BALUSTRADE DESIGN TABLE SB-3 AND COMPLES WITH THE NEW ZEALAND BUILDING CODE CLAUSES B1 STRUCTURAL, B2 DURABILITY, F2 HAZARDOUS BUILDING MATERIALS AND F4 SAFETY FROM FALLING THIRD ADDITION, SUBJECT TO:

- ALL PRODUCTS MEETING THEIR PERFORMANCE SPECIFICATION.
- INSTALLATIONS MUST BE IN ACCORDANCE WITH THE INTENT OF THIS DRAWING AND COMPLY WITH NZS 4223.3:2016 REQUIREMENTS

THE GANZ TABLE SB-3 ALLOWS A MAXIMUM ULS OF 2.1kPa AND SLS OF 1.5kPa DESIGN WIND PRESSURE FOR THE LOCATION AND IF THE SITE DESIGN WIND PRESSURE EXCEEDS THESE, SPECIFIC DESIGN IS REQUIRED TO DETERMINE THE GLASS THICKNESS.

THE DESIGN HAS BEEN VERIFIED BY AN INDEPENDENT ENGINEERING CONSULTANT AND A PRODUCER STATEMENT PS1 DESIGN IS AVAILABLE.



STAINLESS 316 M8 CSK BOLT TO BE SECURED BY INSTALLER FOLLOWING GLASS INSTALLATION ENSURING THE OPUS ISOLATION SLEEVE PART#0487-9B IS INSTALLED

HANDRAIL BRACKETS AND RAILINGS MUST COMPLY WITH NZS 4223.3:2016

OPUS PART #GHH-3 POST MOUNT
OPUS PART #OHR-T ROUND RAILING
OPUS PART #OHR-T-2 RECTANGULAR RAILING

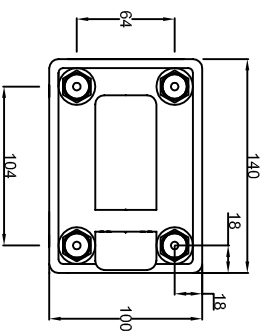
M12 316 STAINLESS STEEL DOME NUT, SPRING WASHER, WASHER, TOP HAT ISOLATION GROMMET OPUS PART #0487-9A

STAINLESS STEEL STUD M12

STAINLESS STEEL 50x50x3
M12 FLAT WASHER

STAINLESS STEEL M12 NUT

TIMBER/STEEL BY OTHERS



THIS POST IS PROTECTED BY NZ DESIGN APPLICATION NO 416723

DRAWING UPDATED 19/05/16 TO INCLUDE NZS 4223.3:2016 REQUIREMENTS
DRAWING UPDATED 29/11/17 TO INCLUDE GLASS TYPES

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**OPUS SEMI - FRAMELESS BALUSTRADE POST OB100 SHOWING
RECOMMENDED FIXING FOR TOP FIX TIMBER/STEEL**

OPUS MANUFACTURING LTD 2012

**DRAWING NUMBER: OB100/3
TECHNICAL MANUAL PAGE 81B**