

# Moduline Barrier Fencing Specification

## Moduline 1800 Barrier - Type 5a(i)

Description: 1800 mm high barrier side fixed to timber joists.

Application: Timber deck.

### DRAWING NOTES

Design Scope and Compliance:

This specification covers the design of the barrier members and base fixing only, and does not cover the design of the supporting structure.

The contractor or building designer must ensure the deck structure is specifically designed to carry the barrier loads OR complies with:

Mitek Deck Joist Fixing - Alternative Solution to NZS3604:2011 clause 7.4.1.3

Or

SPAX Boundary Joist Fixing Detail

Minimum of 240 deep joists required.

This barrier should not be used where the base fixing would penetrate the top of the tanking membrane.

The barrier design complies with the New Zealand Building Code:

Section B1/ VM1 (structure)

- AS/NZS 1170.1 barrier cat. A, B, C3 & E

- NZS3604:2011 extra high wind zone (55m/s).

Section F4/AS1 (safety from falling).

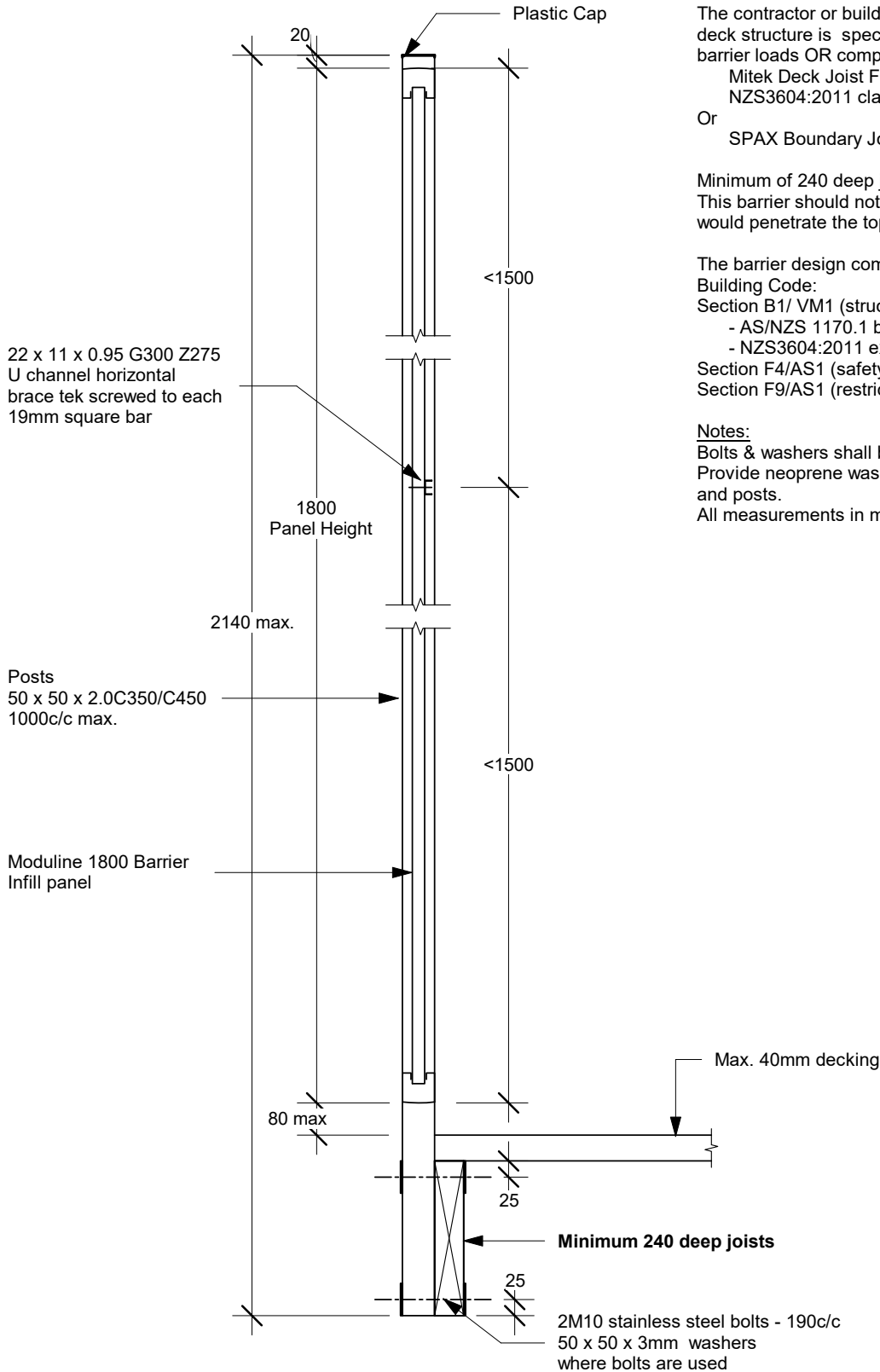
Section F9/AS1 (restricting access to residential pools).

Notes:

Bolts & washers shall be 316 stainless steel.

Provide neoprene washers or DPC between washers and posts.

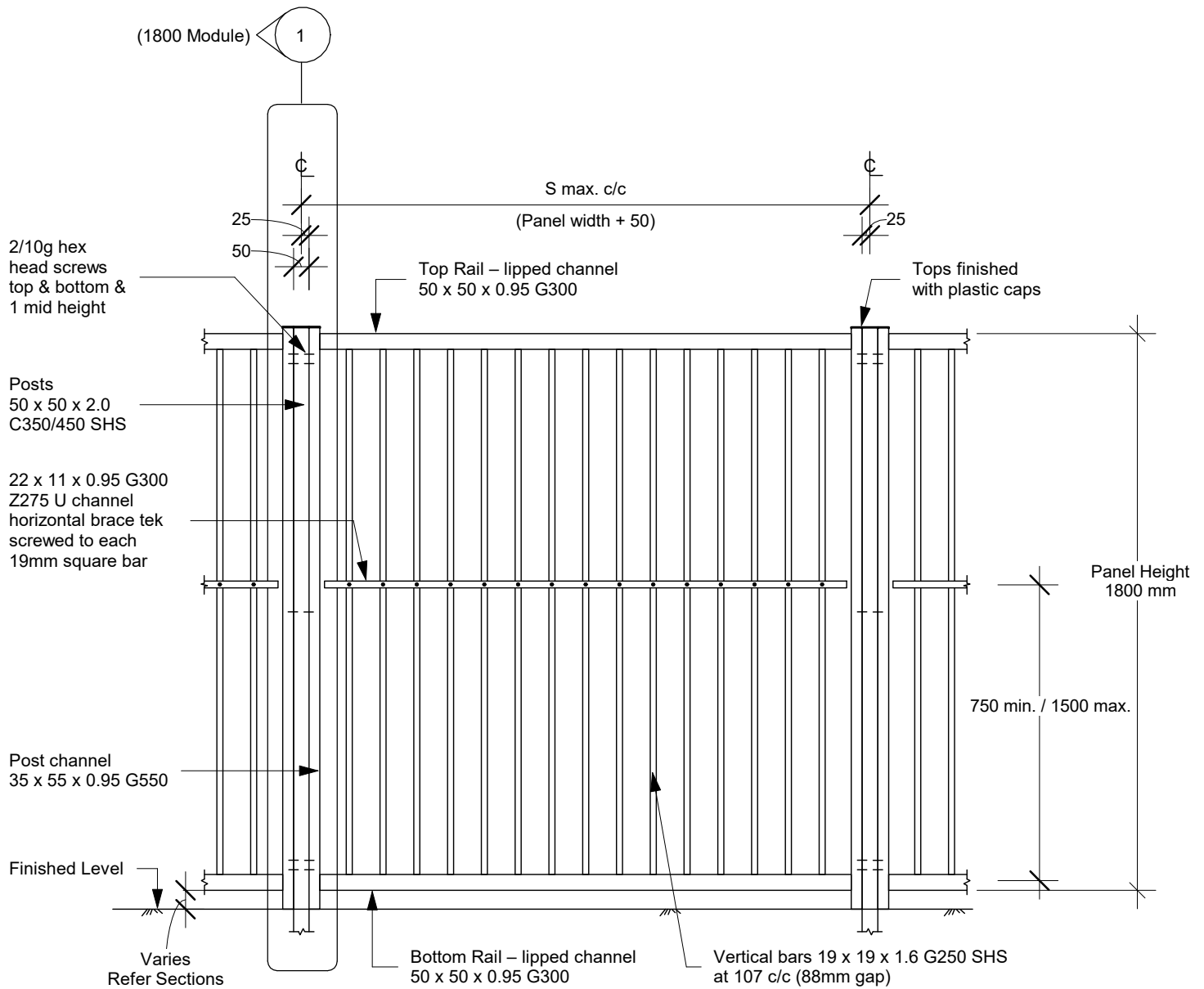
All measurements in mm unless stated otherwise.



**Section** 1 (Scale 1:10)

-	06/05/2022
Revision	Date

Revision	-
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Notes:  
All measurements in mm unless stated otherwise.

**Typical Standard 1800 Barrier Infill Panel**  
(See specification sheet for detail)

(Scale 1:20)

-	04/08/2021
Revision	Date

Revision	-
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# PRODUCER STATEMENT - PS1 - DESIGN

ENG REF: 7327 Type 5a(i)

ISSUED BY: Anthony Marino (for Marino Consultants and Associates Ltd)  
(Design Firm)

TO: Metal Rollforming Ltd  
(Owner/Developer)

TO BE SUPPLIED TO: Various  
(Building Consent Authority)

IN RESPECT OF: Moduline 1800 Barrier Fence Type 5a(i)  
(Description of Building Work)

AT: Non-Specific,  
(Address)

LOT: \_\_\_\_\_ DP: \_\_\_\_\_ SO: \_\_\_\_\_

We have been engaged by the owner/developer referred to above to provide specific structural design services in respect of the requirements of Clause(s) B1, F4 of the Building Code for

- All or  Part only (as specified in the attachment to this statement, ref: 7327 Type 5a(i) ), of the proposed building work.

The design carried out by us has been prepared in accordance with:

- Compliance Documents issued by the Ministry of Business, Innovation and Employment B1/VM1 (NZS3603, AS/NZS1170, NZS3404), F4/AS1

- Alternative solution as per the attached schedule \_\_\_\_\_

The proposed building work covered by this producer statement is described on the drawings titled Moduline 1800 Barrier Fence Type 5a(i) and numbered 1, 2

together with the specification, and other documents set out in the schedule attached to this statement.

On behalf of the Design Firm, and subject to:

- (i) Site verification of the following design assumptions:  
Strength of supporting structure by others
- (ii) All proprietary products meeting their performance specification requirements;

I believe on reasonable grounds that a) the building, if constructed in accordance with the drawings, specifications, and other documents provided or listed in the attached schedule, will comply with the relevant provisions of the Building Code and that b) the persons who have undertaken the design have the necessary competency to do so. I also recommend the following level of construction monitoring/observation:

- Not required

I, Anthony Lewis Marino am CPEng No. 69890

I am a member of Engineering New Zealand and hold the following qualifications: BEHons., CPEng.

The Design Firm issuing this statement holds a current policy of Professional Indemnity Insurance no less than \$200,000.

The Design Firm is a member of ACENZ:

SIGNED BY Anthony Marino (B.E.(hons), CPEng (Civil and Structural), CMEngNZ, SESOC)

ON BEHALF OF Marino Consultants and Associates Ltd.

Anthony Marino DATE 6/05/2022

57 Stace Hopper Drive, One Tree Point, 0118  
(021) 518 171 (Mobile) anthony.marino@outlook.co.nz (Email)

Note: This statement shall only be relied upon by the Building Consent Authority named above. Liability under this statement accrues to the Design Firm only. The total maximum amount of damages payable arising from this statement and all other statements provided to the Building Consent Authority in relation to this building work, whether in contract, tort or otherwise (including negligence), is limited to \$200,000

This form is to accompany Form 2 of the Building (Forms) Regulations 2004 for the application of a Building Consent.

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