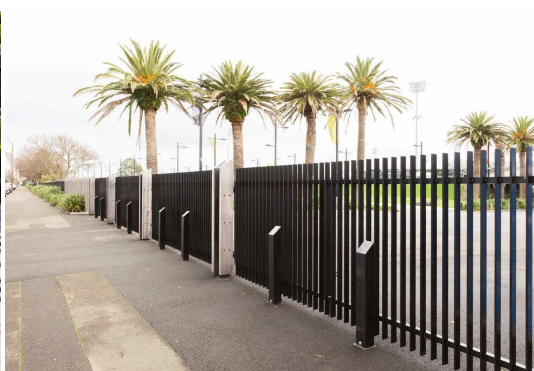
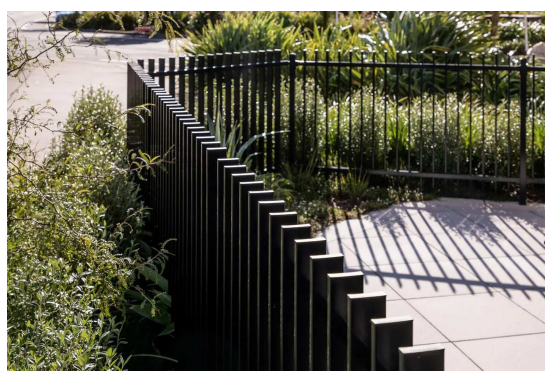
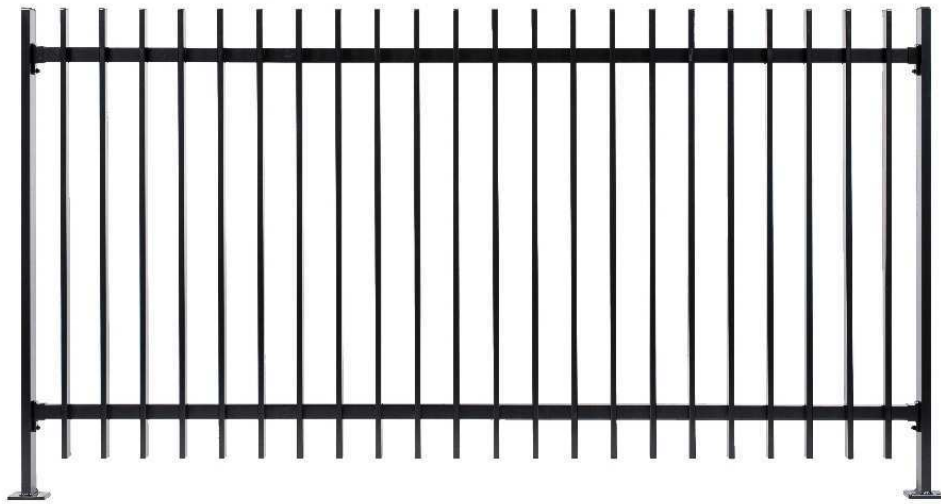


**Producer
Statement - PS1**



1200mmH Paladin Balustrade PS1

**FOR: Balustrading
& Retaining Wall Barriers**

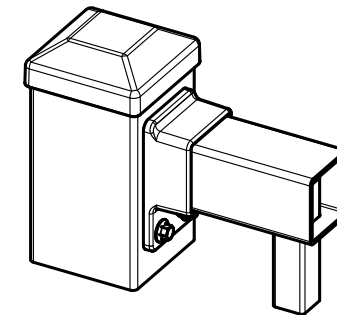
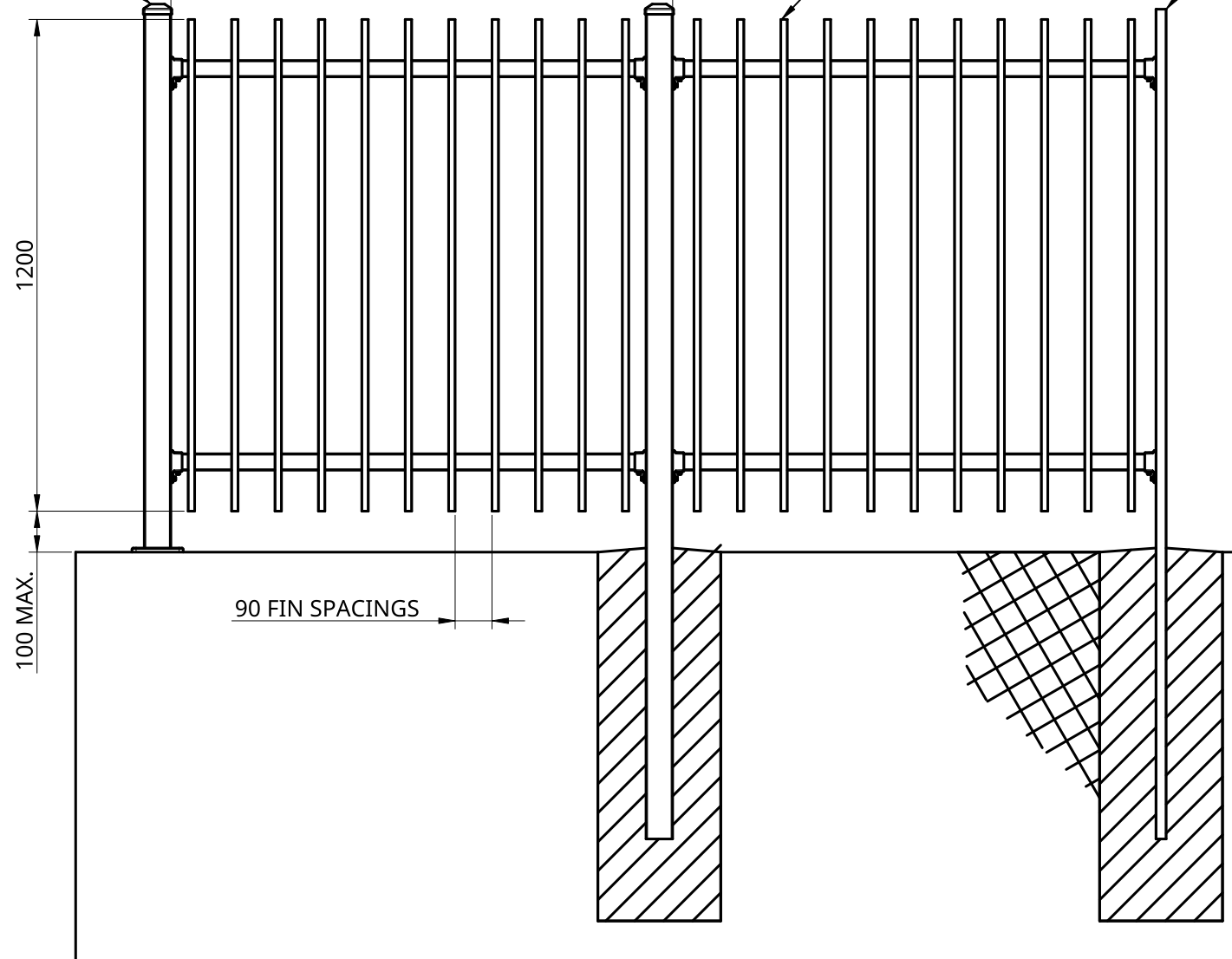


65X65X3 SHS 6061 T6 POSTS
CAN BE USED IN GROUND OR
WITH WELDED BASEPLATES

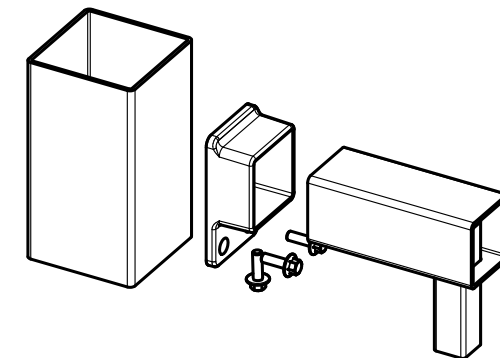
1225 MAX. POST CENTRES

PALADIN FIXED PANEL
PRODUCT CODE: UFFIN12

100X25X3 RHS 6061 T6 POST
OPTION ONLY TO BE USED FOR
IN GROUND APPLICATIONS



FIXED PANEL TO POST DETAIL
1:4

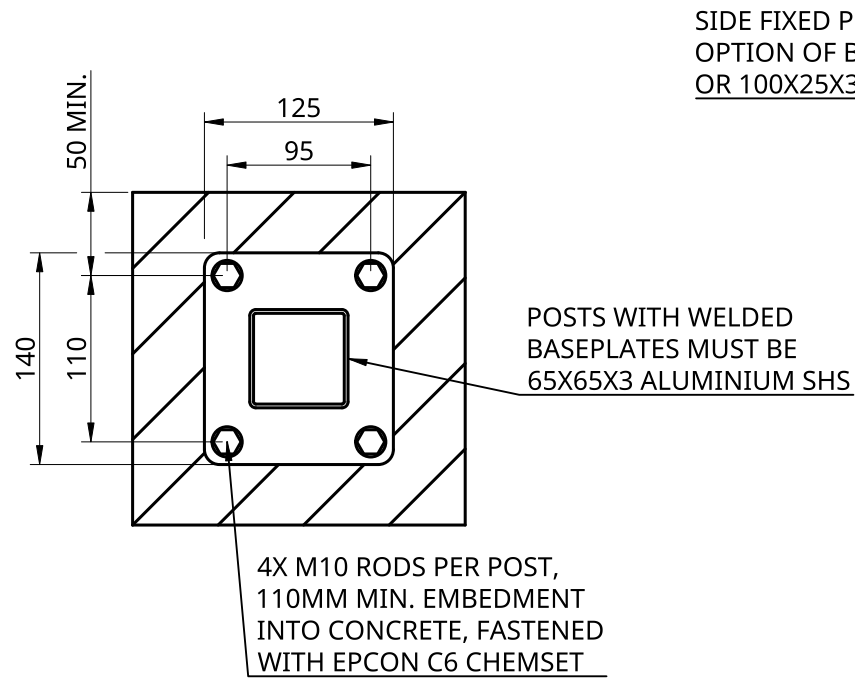
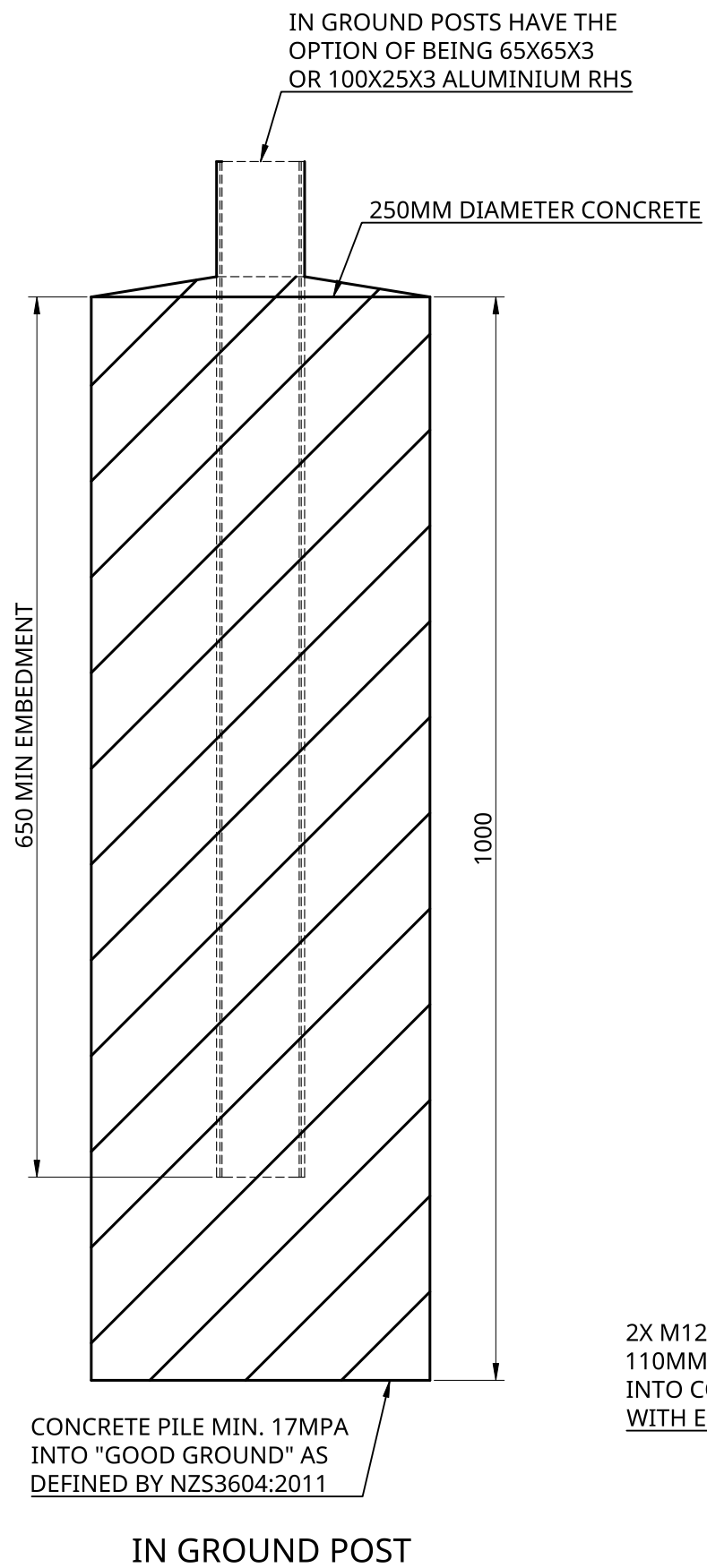


FIXED PANEL TO POST DETAIL
1:4

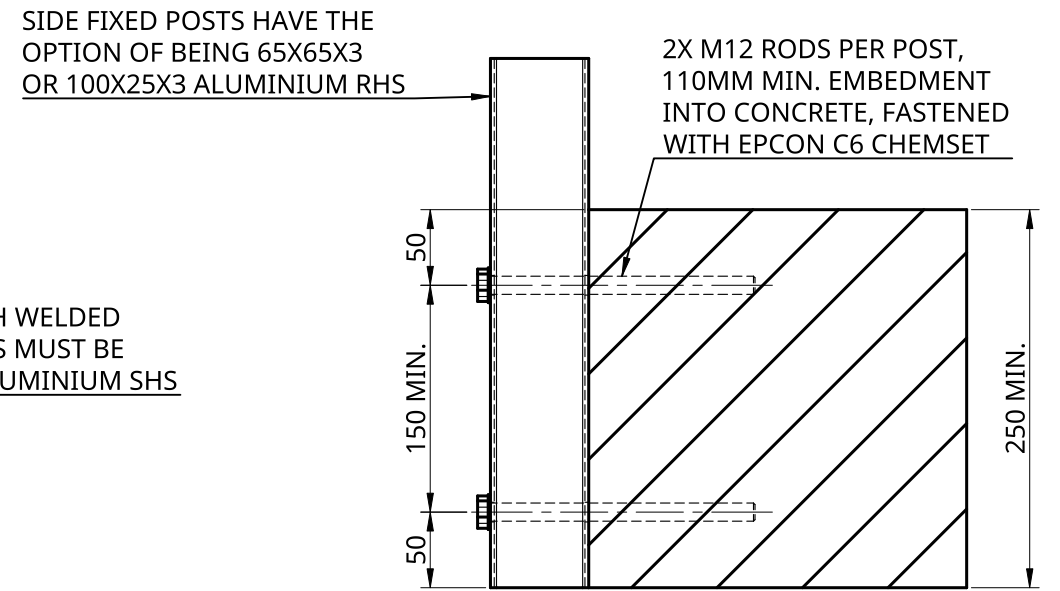
PANEL CODE	DESCRIPTION	BRACKET CODE	HEIGHT	WIDTH	HORIZONTALS	VERTICALS	TUBE SPACINGS
UFFIN12	PALADIN FENCE PANEL	HBKT40	1200	1200	40X40X2 SHS	65X16X1.3 RHS	90 (106 CENTRES)



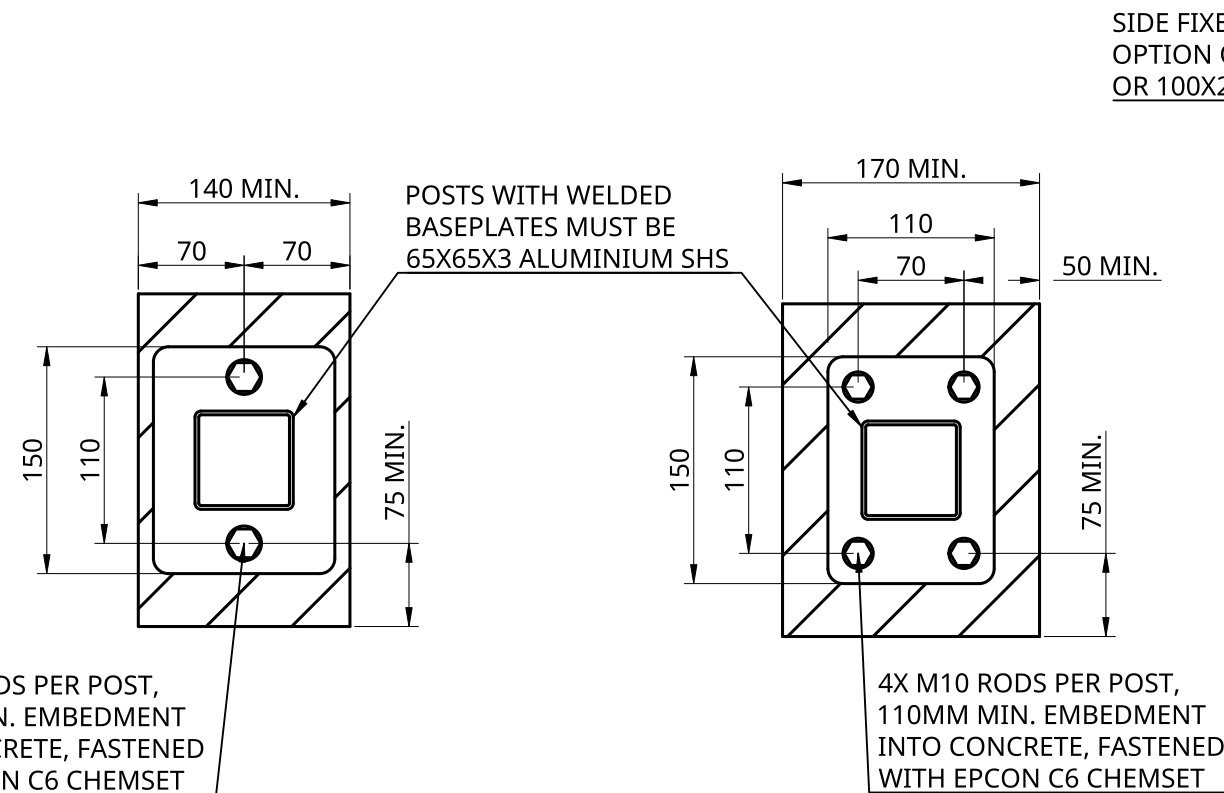
SIZE:	A3	SCALE:	1:16
DRAWING NO:	PAL1225 - SS	REVISION:	01
DATE ISSUED:	2023-04-03	SHEET:	1 OF 4



TOP FIX TO CONCRETE DECK

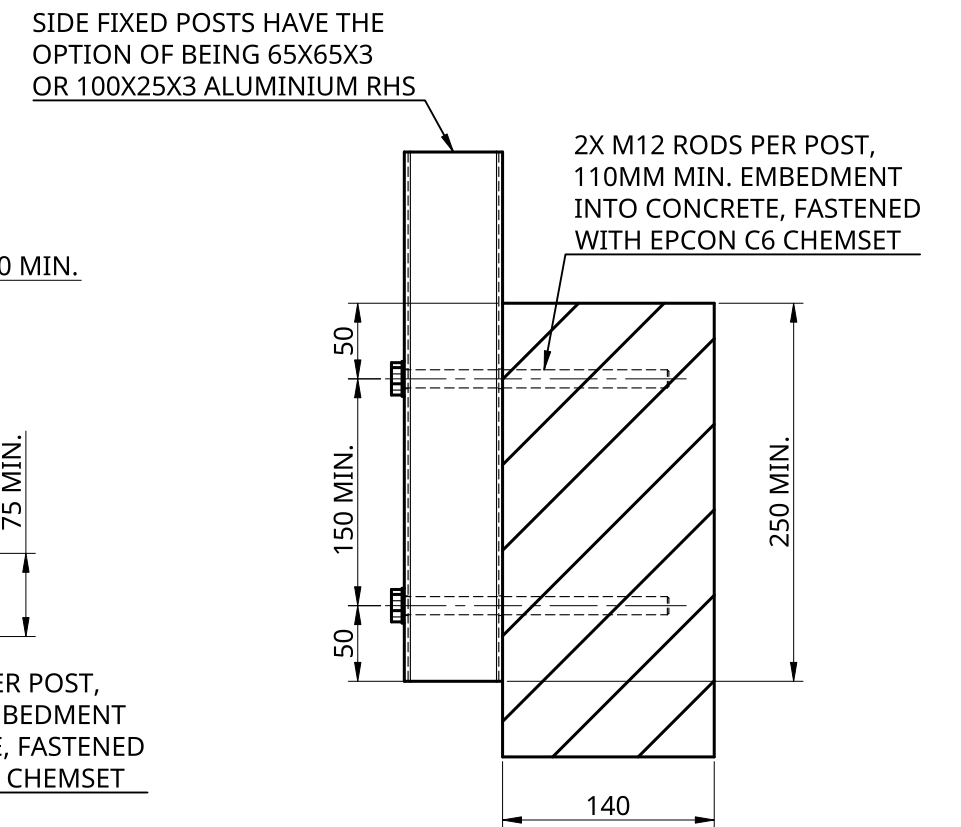


SIDE FIX TO CONCRETE DECK

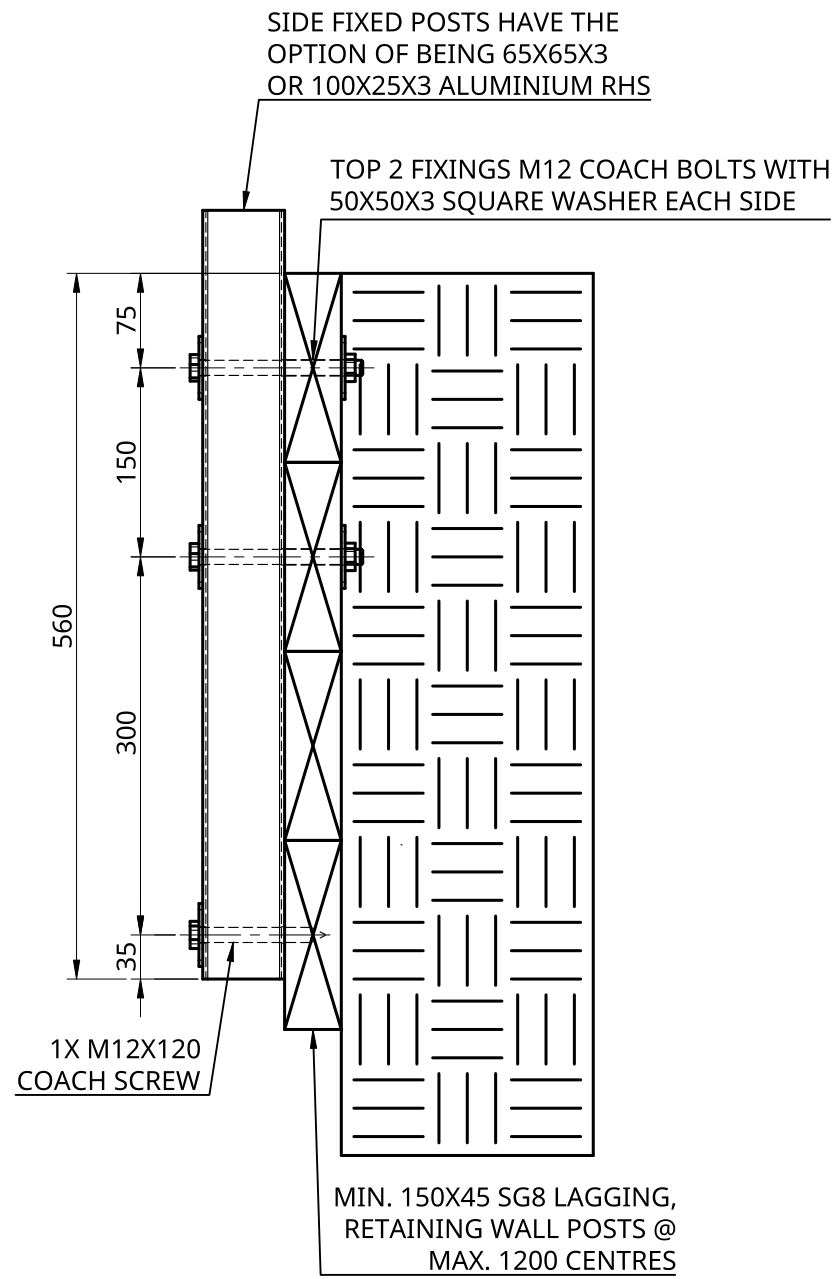


TOP FIX TO CONCRETE WALL

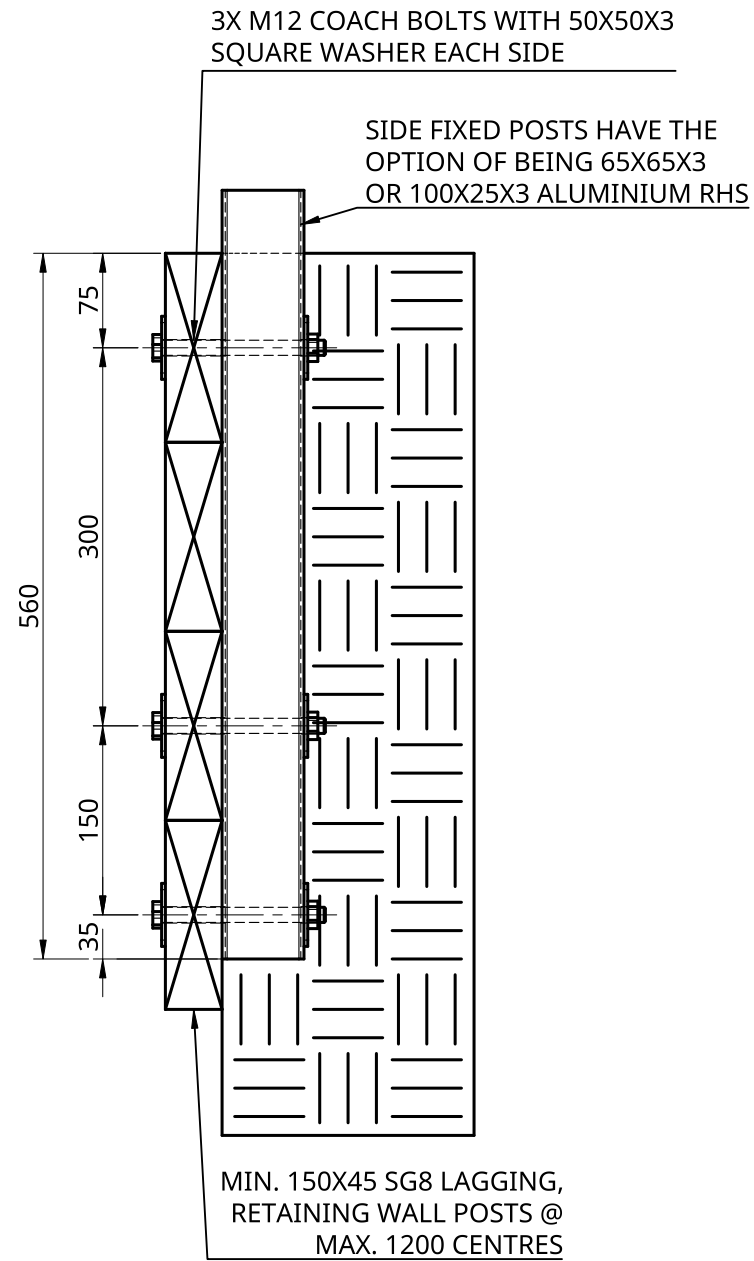
TOP FIX TO CONCRETE WALL



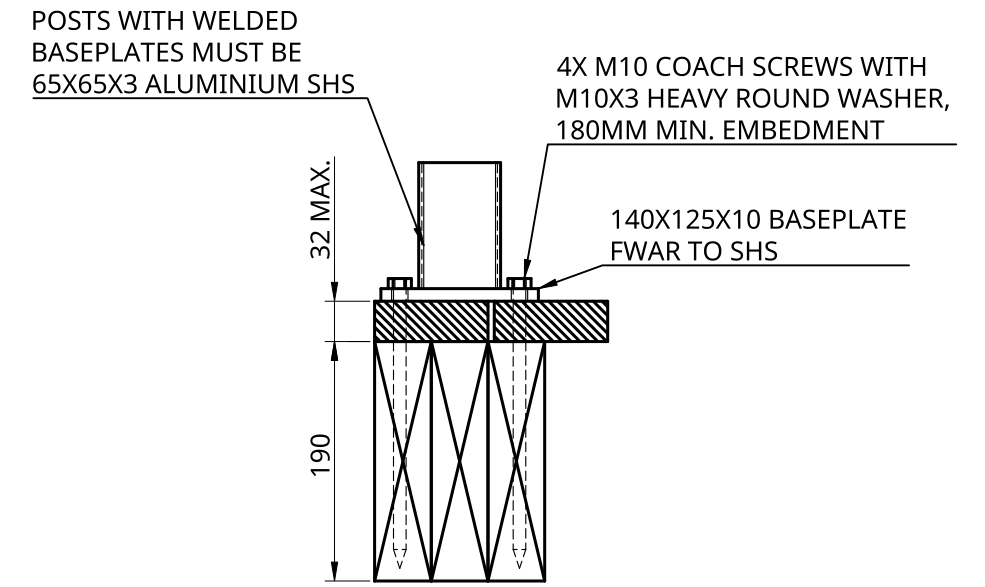
SIDE FIX TO CONCRETE WALL



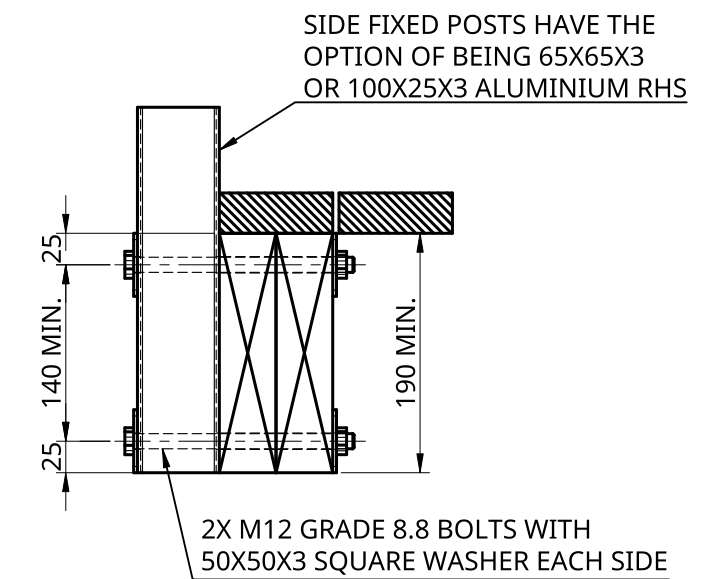
SIDE FIX TO TIMBER RETAINING WALL



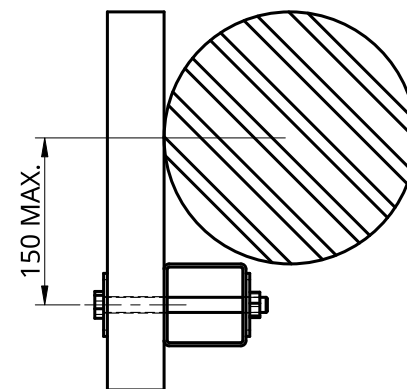
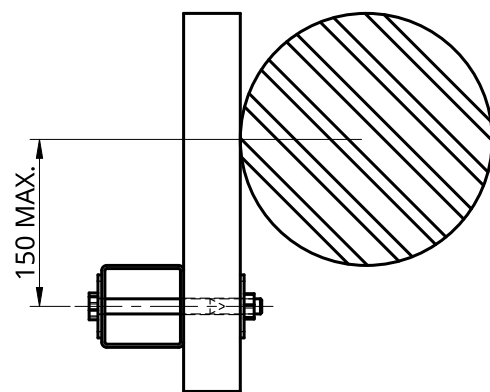
SIDE FIX TO TIMBER RETAINING WALL

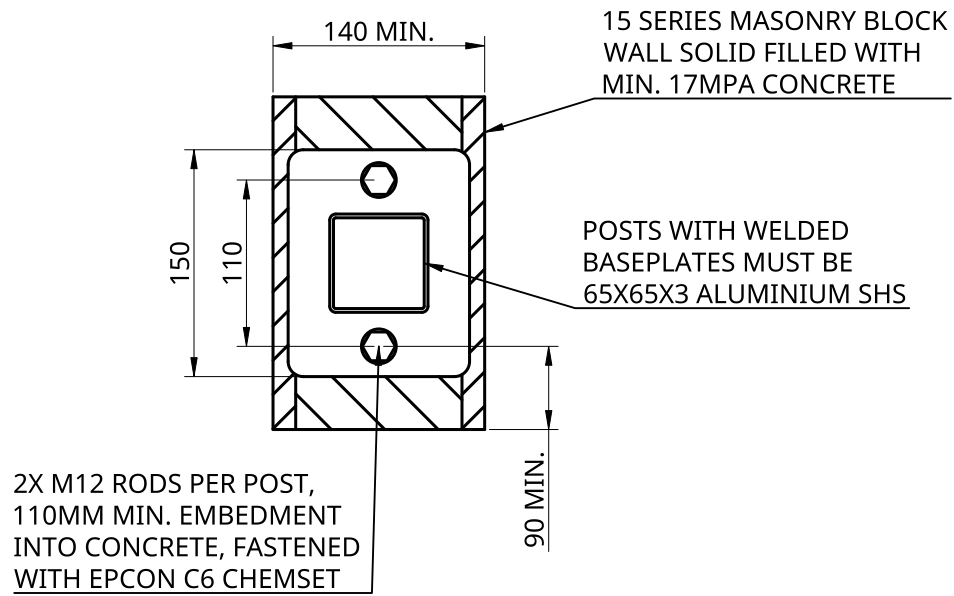


TOP FIX TO TIMBER DECK

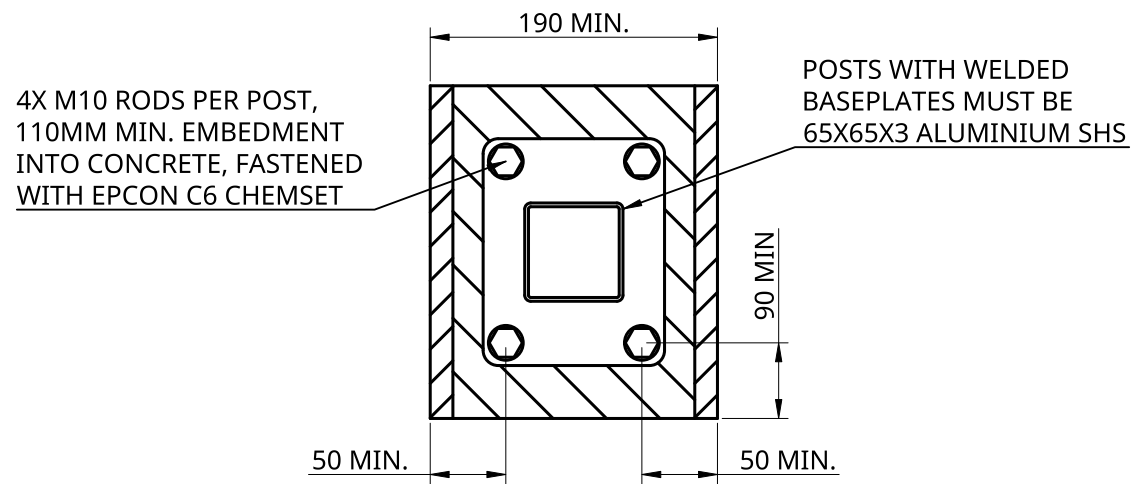


SIDE FIX TO TIMBER DECK

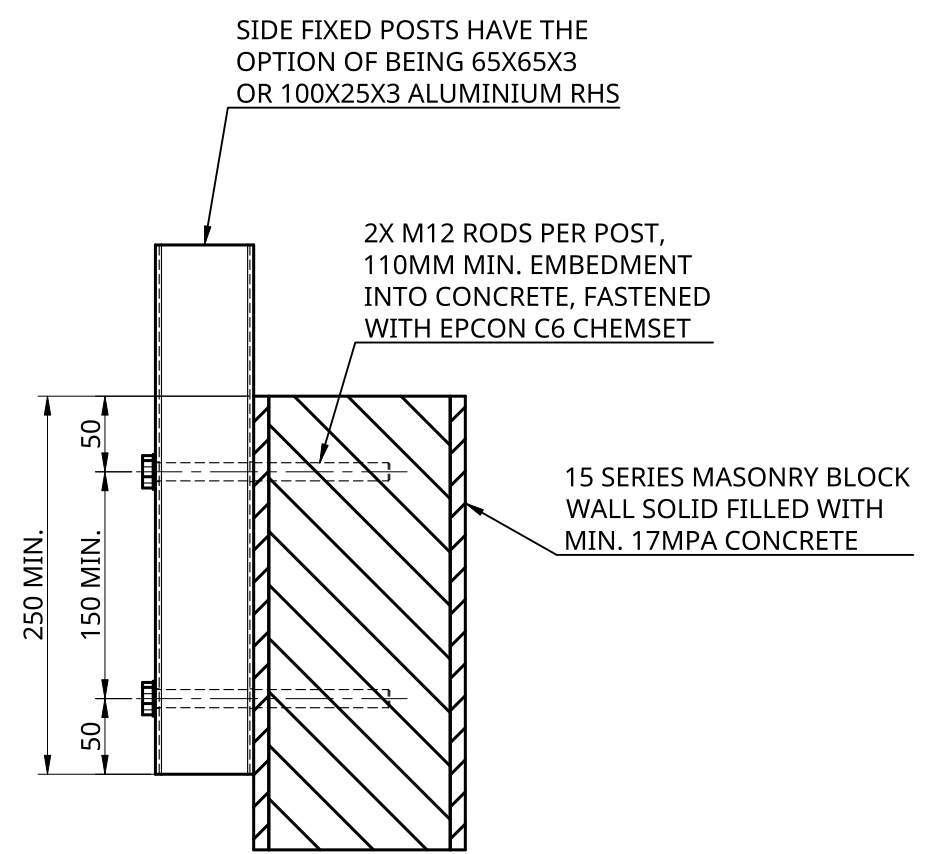





TOP FIX TO MASONRY WALL



TOP FIX TO MASONRY WALL



SIDE FIX TO MASONRY WALL

	SIZE:	A3	SCALE:	1:5
	DRAWING NO:		REVISION:	01
	DATE ISSUED:	2023-04-03	SHEET:	4 OF 4



New Zealand Institute of Architects Incorporated



Building Code Clause(s) B1

PRODUCER STATEMENT – PS1 – DESIGN

(Guidance on use of Producer Statements (formerly page 2) is available at www.engineeringnz.org)

ISSUED BY: Structural Engineers NZ Ltd
(Design Firm)

TO: Urban Group
(Owner/Developer)

TO BE SUPPLIED TO: Any Territorial Authority
(Building Consent Authority)

IN RESPECT OF: Structural Design of a Standard Aluminium Pool Fence
(Description of Building Work)

AT: Any location in New Zealand where the loading class stipulated on the drawings is applicable
(Address)

Town/City: **LOT** **DP** **SO**
(Address)

We have been engaged by the owner/developer referred to above to provide:

Structural Engineering

(Extent of Engagement)

services in respect of the requirements of Clause(s) B1 of the Building Code for:

All or Part only (as specified in the attachment to this statement), 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 & Employment B1/VM1 & B1/VM4 or
(verification method/acceptable solution)

Alternative solution as per the attached schedule.....

The proposed building work covered by this producer statement is described on the drawings titled:

Refer to attached schedule and numbered Refer to attached schedule ;
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 Refer to attached schedule
- (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:

CM1 CM2 CM3 CM4 CM5 (Engineering Categories) or as per agreement with owner/developer (Architectural)

I, Sadeer Kattan am: CPEng 1013983 # Reg Arch #
(Name of Design Professional)

I am a member of: Engineering New Zealand NZIA and hold the following qualifications: BE (Hons) CPEng CEng

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: Sadeer Kattan (Signature) Sadeer Kattan Digitally signed by Sadeer Kattan Date: 2023.04.03 11:41:09 +12'00'
(Name of Design Professional)

ON BEHALF OF Structural Engineers NZ Ltd Date: 03/04/2023
(Design Firm)

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 the sum of \$200,000*.

This form is to accompany **Form 2 of the Building (Forms) Regulations 2004** for the application of a Building Consent.
THIS FORM AND ITS CONDITIONS ARE COPYRIGHT TO ACENZ, ENGINEERING NEW ZEALAND AND NZIA

SCHEDULE

*From Page 1:

On behalf of the design firm and subject to site verification of the following design assumptions:

1. The supporting structure, as designed by others, is able to withstand the applied loads. This must be effectively communicated with the building owner or manager. SENZ takes no responsibility should this not be followed.
2. The installation of the pool fence is in accordance with the limits and specifications as set out on the drawing listed below.
3. The pool fence has only been designed against Class C3 Barrier Loads in accordance with AS/NZS 1170.1.
4. The pool fence is limited to areas up to "Extra High" wind zone only, as defined in NZS 3604:2011. Purchaser shall be responsible for verifying the site wind zone. SENZ shall be notified should the client be uncertain about the wind zoning of the site. SENZ and Urban Group takes no responsibility should this not be followed.

DRAWINGS:

Drawing Number	Sheet	Revision	Date	Description
PAL1225-SS	1 to 4	01	30/03/2023	PALADIN FENCE PANEL



Structural Engineers New Zealand

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• +64 275 6029 (Day) • +64 9 8899 350 (Evening)

Ferguson Stewart
Urban Group (NZ) Ltd

03 April 2023

By email

Re: Urban Group Paladin Pool Fence – Review against Clause B2 of the Building Code.

Structural Engineers New Zealand (SONZ) were requested to carry out a review of the Urban Group Standard Paladin Pool Fence against clause B2 (Durability). SONZ have carried out a full structural design check of the balustrades to meet clause B1 of the Building Code against Class C3 Barrier Loading in accordance with AS/NZS 1170.1. The structural design works are detailed in Urban Group drawings PAL1225-SS rev 1.

With regards to clause B2 – Durability, SONZ believe that the aluminium pool fence will inherently have the required corrosion resistance. The aluminium will be powder coated as an additional level of protection. All fixing specified are either Stainless Steel or isolated from aluminium with rubber isolation.

A handwritten signature in black ink, appearing to read 'Sadeer Kattan', is positioned above the printed name.

Sadeer Kattan BE (Hons) CPEng CMEngNZ

Chartered Professional Engineer

Structural Engineers NZ Ltd