



Producer Statement PS1

Pool Fencing and Fall Restraint Barriers

Engineering Specifications and Installation Details for Compliance
with NZBC B1, F4, F9



Property Enhancement
& Protection

Barrier specification selection guide

Clause F4 'Safety from Falling' of the New Zealand Building Code requires building areas to be constructed to reduce the likelihood of accidental falls. Specifically, barriers are required where people could fall one metre or more.

Barriers need to be designed and constructed so that they are capable of providing the strength and stiffness necessary for the proposed location and occupancy type of the property which they serve. Evidence of the suitability of the barrier system for its proposed use, needs to be provided when making a building consent application. This

producer statement provides the assurance that Fentec product specifications and installation details have been pre-approved by Chartered Professional Engineers and comply with all NZBC B1, F4, F9 requirements.

It is important that your selected barrier design is appropriate to the specific installation location and intended use. Use this guide to determine your specific barrier design and installation details.

Generic producer statement

This is a generic Producer Statement, issued to Terranota Ltd, which provides the assurance that the proprietary products detailed in this document have been structurally engineered to comply with the New Zealand Building Code and the building code clauses as detailed, and for the application(s) as described in this document.

The fencing components detailed in this Producer Statement are proprietary products, engineered to comply with the requirements of the stated building code clause. Of equal importance is the detail of the fixing method to ensure the correct installation of the proprietary components. To this end, most common installation applications have been illustrated with appropriate details to ensure a safe and compliant fence/balustrade.

The structure (or ground conditions) to which the proprietary components are installed is the responsibility of the installer or end user, and it is recommended that an

independent engineer is engaged to confirm the compliance of the structure (or ground condition) with the New Zealand Building Code. Where relevant, and when critical to the compliance of the proprietary components, this producer statement details specific requirements of the structure (or ground conditions) as a minimum standard.

It is the installer or end user's responsibility to ensure the proprietary components are installed accurately to the detail provided. If your particular structure design or application is not covered in the details provided, then this generic producer statement cannot be applied to your installation. In this instance, please contact Fentec to discuss a custom-engineered solution that will meet your requirements.

How to use this document

This producer statements includes details for a variety of designs and applications, to ensure you get the right panel and fixing details for your application, please follow the instructions below:

1. Check the Design Loading that applies to your application, (see **Table A**). There are different Design Loadings and Minimum Barrier Heights, that apply to various occupancy types and scenarios. Following this is a table showing the corrosion zones in NZ and what fixing types you must use in these zones'.
2. Using **Table B**, you will be able to see what panel styles are able to be used with the loading identified in Step 1, this will also give you the maximum post centre you can install this panel at and will direct you to the panel drawing page.
3. On the applicable panel drawing, take note of how the panel is installed and what posts you can use, then follow the colours and drawing numbers to see the approved post fixing details, for the loading and panel style for your application.
4. In these pages you will find the fixing drawings that we have designed for most common applications, if the application that you are needing isn't shown here, please let us know and we can find a custom solution for you.

Barrier loading selection

Where a barrier serves multiple occupancies, default to the highest loading requirement from all location scenarios. For more information, please refer to www.building.govt.nz

Table A: Barrier Loading Selection

Occupancy Type	Building Code Clause	Specific Use	Horizontal Design Loading	Minimum Overall Barrier Height
A - Domestic	F9	Pool fence only	0.33kN	1.2m
A - Domestic	F4	All areas serving one dwelling but excluding balconies, decks & terraces, e.g., walkways, stairs & landings, & retaining walls not adjacent to a deck or terrace	0.35kN/m	1.0m 0.9m for stairs only
A - Domestic	F4	External balcony, decks, terraces, retaining walls & walkways in a multi-dwelling application, including open public spaces	0.75kN/m	1.0m single dwelling 1.1m multi dwelling
B & E - Offices & work areas including storage	F4	Access walkways, stairs & landings	0.35kN/m	1.1m
B & E - Offices & work areas including storage	F4	Areas including balconies, decks & terraces not susceptible to overcrowding	0.75kN/m	1.1m
C - Areas without obstacles for moving people & where people might congregate	F4	Areas including walkways, stairs & landings, balconies, decks & terraces not susceptible to overcrowding, including parks and reserves	0.75kN/m	1.1m

Fixing types


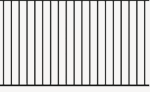


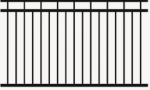


There are four corrosion zones in New Zealand that relate to the severity of exposure to wind-driven salt. To determine the corrosion zone for your installation location, please check maps in Figure 4.2 in NZS3604:201 (or online search 'BRANZ Maps'). Use the table below to determine the appropriate fixing types required for your particular location.

Table B: Fixing Types

Zone	Risk Level & Location	Fixing Type
Zone B	Low risk	Hot dip galvanised
Zone C	Medium risk	Hot dip galvanised
Zone D	High risk, all offshore locations within 500m of coastline, including harbours, locations within 100m of tidal estuaries & sheltered inlets	316 stainless steel
Zone E	Very high risk, locations described in Zone D, beachfronts & seaside locations	316 stainless steel

Barrier panel selection

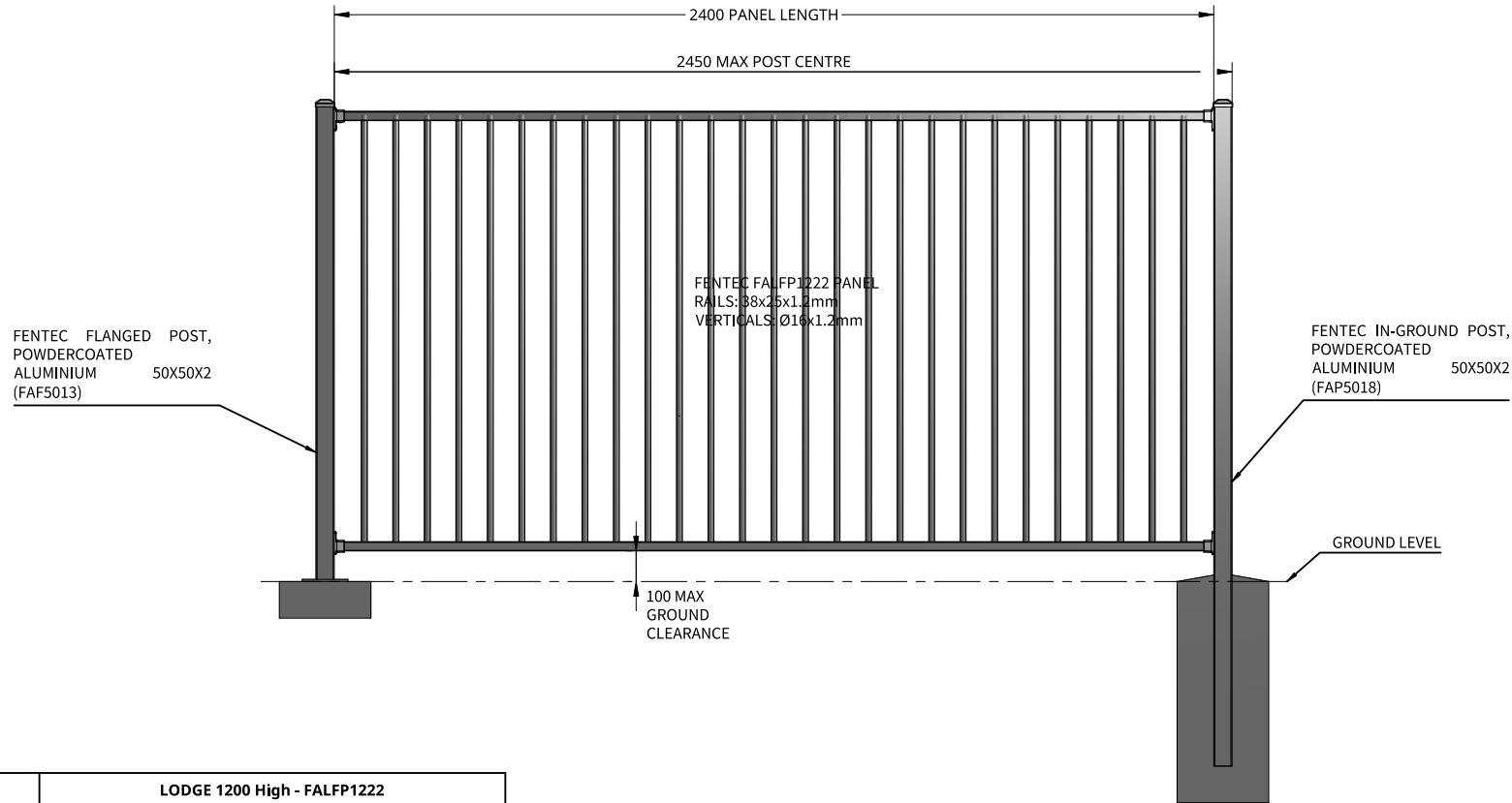
Table C: Barrier Panel Selection

Product	Height	Code	Maximum Post Centre			Page	
			F9 Pool Fencing	F4 - 0.35kN/m	F4 - 0.75kN/m		
Lodge		1200mm	FALLFP1222	2450mm	N/A	N/A	4
Delta		950mm	FADFP9522	N/A	1175mm	1175mm	5
		1200mm	FADFP1222	2300mm*	1175mm	1175mm	5
Delta Raking		950mm	FADBR9511	N/A	1175mm	1175mm	5
		1200mm	FADBR1211	N/A	1175mm	1175mm	5
Alto		1200mm	FAAFP1222	2300mm*	1175mm	1175mm	6
		1500mm	FAAFP1522	2300mm*	1175mm	1175mm	6
Alto Raking		1200mm	FAARP1224	N/A	1175mm	1175mm	6
		1500mm	FAARP1524	N/A	1175mm	1175mm	6
Mansion		1200mm	FAMFP1222	2300mm*	1175mm	1175mm	7
		1500mm	FAMFP1522	2300mm*	1175mm	1175mm	7
		1800mm	FAMFP1822	N/A	1175mm	1175mm	8
Mansion Raking		1200mm	FAMRP1224	N/A	1175mm	1175mm	7
		1500mm	FAMRP1524	N/A	1175mm	1175mm	7
		1800mm	FAMRP1824	N/A	1175mm	1175mm	8
Axis		1200mm	FAXFP1222	2275mm*	1075mm	1075mm	9

*See Page 11 for typical pool fence installation and requirements

For pool fencing: In case of extreme wind events, the fences will need to be inspected to ensure F9 – “restricting access to residential pools” compliance. Damaged fence components must be replaced before the fence can be safely utilized. Studio89 and Fentec assumes no liability from extreme wind events.

FENTEC LODGE FENCE FOR F9 (POOL FENCE)
APPLICATIONS



General Notes

- All dimensions are in millimetres.
- Drawings are not necessarily to scale
- Check www.fentec.co.nz to ensure you have the most recent edition of this publication.

Fixing Notes

- All coach screws and bolts to be pre-drilled according to NZS 3603:1997
- When fixing self-drilling screws, ensure low torque setting to avoid thread stripping. A battery drill is recommended for self-drilling screws - DO NOT use an impact driver.

Corrosion Zones

There are four corrosion zones in New Zealand that relate to the severity of exposure to wind-driven salt. See maps in figure 4.2 of NZS 3604:2011 (or online search 'BRANZ Maps') to determine the corrosion zone of the installation location and appropriate fixing option required.

Zone	Risk Level & Location	Fixing Type
Zone B	Low risk	Hot-dip Galvanised
Zone C	Medium risk	Hot-dip Galvanised
Zone D	High risk, all offshore islands, locations within 500m of coastline including harbours, locations within 100m of tidal estuaries and sheltered inlets.	316 Stainless Steel
Zone E	Very high risk, locations described in Zone D, beachfronts and seaside locations.	316 Stainless Steel

Existing Support Structure

- Supporting structures as not covered by these drawings unless specific requirements are detailed.
- Supporting structures are by others and must comply with the New Zealand Building Code.
- If unsure of existing structure compliance, seek professional advice.



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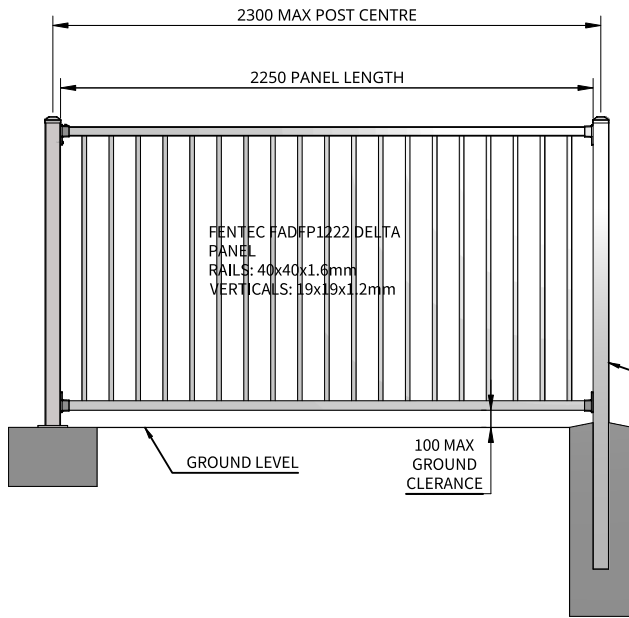
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REV.	DATE ISSUED	SHEET
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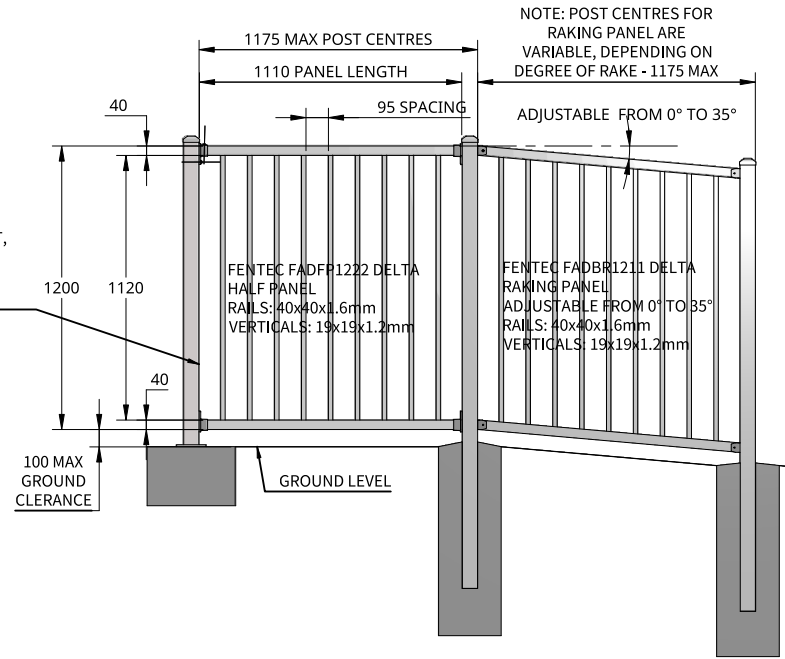
Panel Type	LODGE 1200 High - FALFP1222		
	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)
Loadings			
Max Post Centres	2450mm	N/A	N/A
In-Ground Post Options	50x50mm FAP5018	N/A	N/A
Flanged Post Options	50x50mm FAF5013	N/A	N/A
Applicable Fixing Details	FPA503301 FPA503302 FPA503303	N/A	N/A

IMPORTANT: THIS DESIGN AND ASSOCIATED DESIGN PRODUCER STATEMENTS ARE ONLY RELEVANT FOR PROPRIETARY FENTEC PRODUCTS; ANY PRODUCT SUBSTITUTIONS WILL INVALIDATE THE PRODUCER STATEMENT

FENTEC DELTA FENCE FOR F9 (POOL FENCE) APPLICATIONS



FENTEC DELTA FENCE FOR F4 - (FALL RESTRAINT BARRIER) APPLICATIONS



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Fixing Notes

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TITLE		
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SCALE	SIZE	DRAWING NO
1:32	A4	FDP01
REV.	DATE ISSUED	SHEET
A	29/01/2025	5

Panel Type	Delta 950 High - FADFP9522			Delta Raking 950 High - FADBR9511			Delta 1200 High - FADFP1222			Delta Raking 1200 High - FADBR1211		
	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)
IMPORTANT NOTE: For 950mm Panels, minimum barrier height is 1000mm above finished ground level	IMPORTANT NOTE: For 950mm Panels, minimum barrier height is 1000mm above finished ground level			IMPORTANT NOTE: For 950mm Panels, minimum barrier height is 1000mm above finished ground level								
Loadings	N/A			N/A			N/A			N/A		
Max Post Centres	N/A	1175mm	1175mm	N/A	1175mm	1175mm	2300mm	1175mm	1175mm	N/A	1175mm	1175mm
In-Ground Post Options	N/A	65x65mm FAP6518	65x65mm FAP6518	N/A	65x65mm FAP6518	65x65mm FAP6518	50x50mm FAP5018	65x65mm FAP6518	65x65mm FAP6518	N/A	65x65mm FAP6518	65x65mm FAP6518
Flanged Post Options	N/A	65x65mm FAF6513	65x65mm FAF6513	N/A	65x65mm FAF6513	65x65mm FAF6513	50x50mm FAF5013	65x65mm FAF6513	65x65mm FAF6513	N/A	65x65mm FAF6513	65x65mm FAF6513
Applicable Fixing Details	N/A	FPA657501 FPA657502 FPA657503	FPA657501 FPA657502 FPA657503	N/A	FPA657501 FPA657502 FPA657503	FPA657501 FPA657502 FPA657503	FPA503301 FPA503302 FPA503303	FPA657501 FPA657502 FPA657503	FPA657501 FPA657502 FPA657503	N/A	FPA657501 FPA657502 FPA657503	FPA657501 FPA657502 FPA657503

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FENTEC ALTO FENCE FOR F9 (POOL FENCE) APPLICATIONS

FENTEC ALTO FENCE FOR F4 - (FALL RESTRAINT BARRIER) APPLICATIONS

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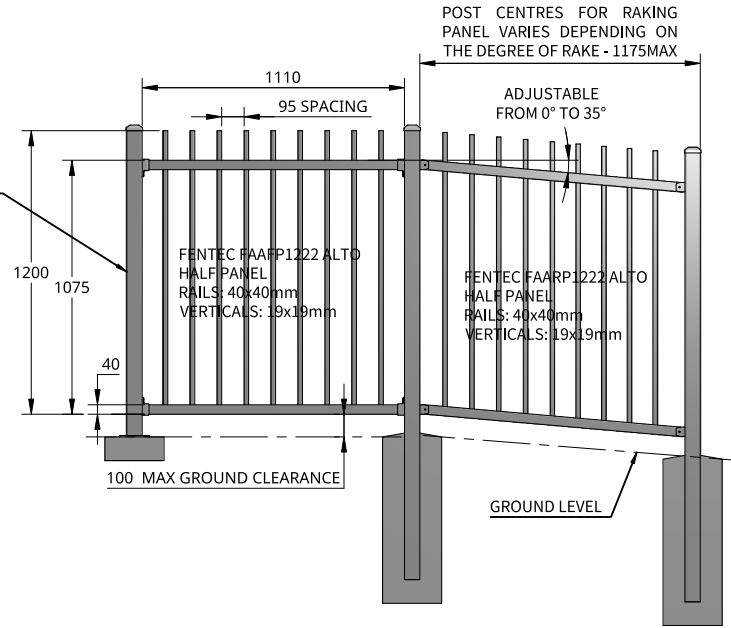
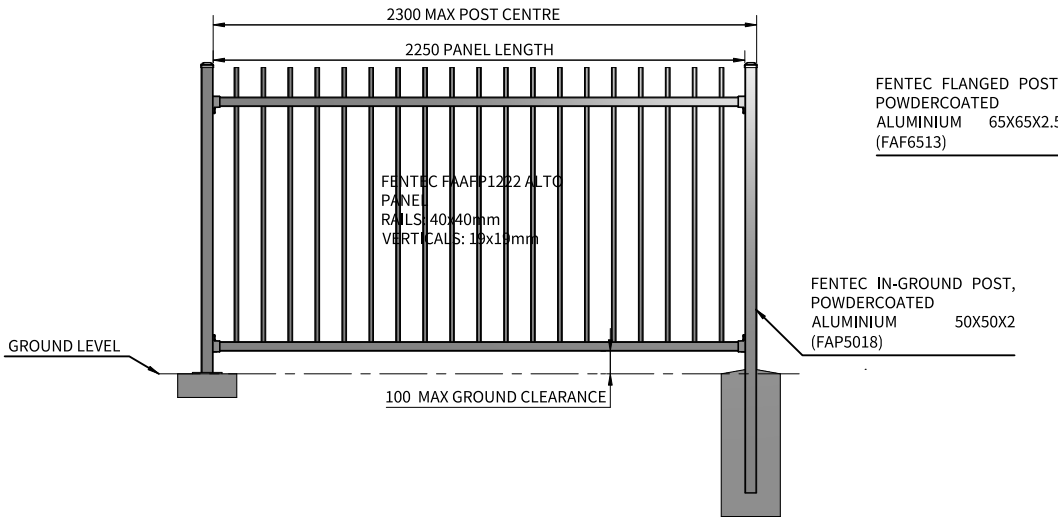


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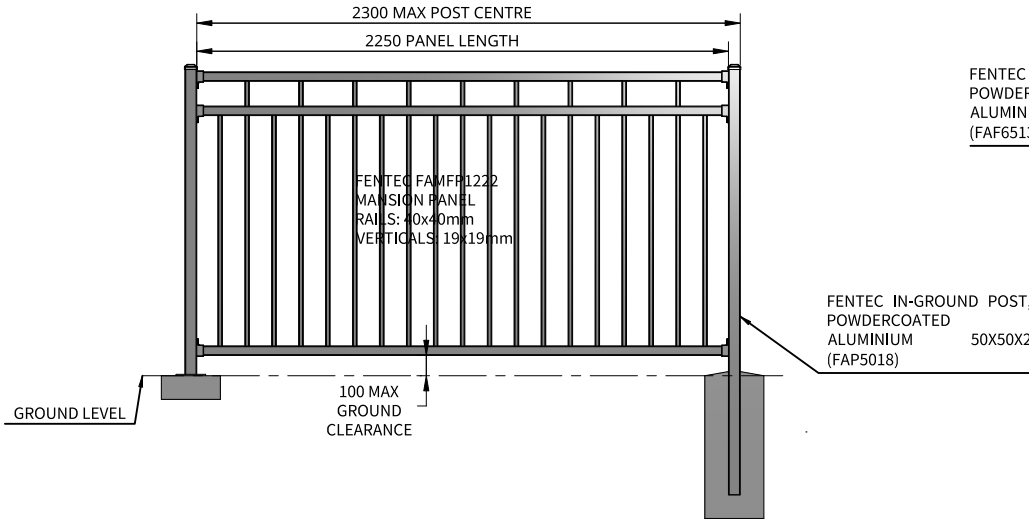
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REV.	DATE ISSUED	SHEET
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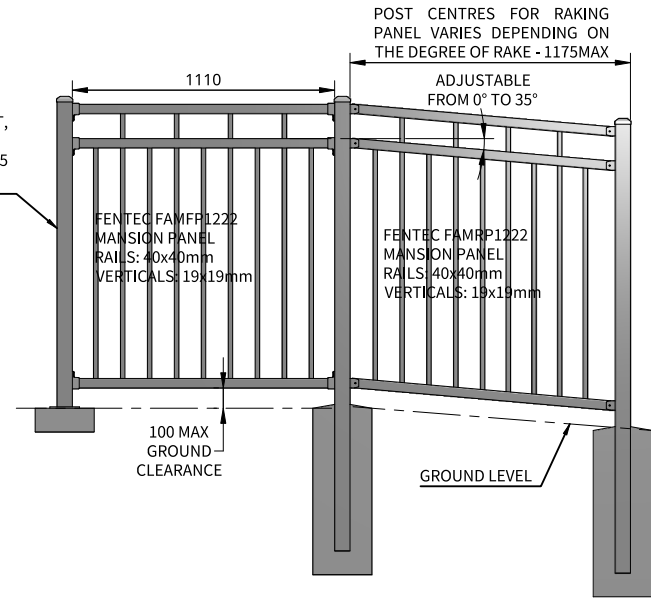
Panel Type	ALTO 1200 High - FAAFP1222			ALTO Raking 1200 High - FAARP1224			ALTO 1500 High - FAAFP1522			ALTO Raking 1500 High - FAARP1524		
	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)
Loadings	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)
Max Post Centres	2300mm	1175mm	1175mm	N/A	1175mm	1175mm	2300mm	1175mm	1175mm	N/A	1175mm	1175mm
In-Ground Post Options	50x50mm FAP5018	65x65mm FAP6518	65x65mm FAP6518	N/A	65x65mm FAP6518	65x65mm FAP6518	50x50mm FAP5021	65x65mm FAP6521	65x65mm FAP6521	N/A	65x65mm FAP6521	65x65mm FAP6521
Flanged Post Options	50x50mm FAF5013	65x65mm FAF6513	65x65mm FAF6513	N/A	65x65mm FAF6513	65x65mm FAF6513	50x50mm FAF5016	65x65mm FAF6519	65x65mm FAF6519	N/A	65x65mm FAF6519	65x65mm FAF6519
Applicable Fixing Details	FPA503301 FPA503302 FPA503303	FPA657501 FPA657502 FPA657503	FPA657501 FPA657502 FPA657503	N/A	FPA657501 FPA657502 FPA657503	FPA657501 FPA657502 FPA657503	FPA503301 FPA503302 FPA503303	FPA657501 FPA657502 FPA657503	FPA657501 FPA657502 FPA657503	N/A	FPA657501 FPA657502 FPA657503	FPA657501 FPA657502 FPA657503

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FENTEC MANSION FENCE FOR F9 (POOL FENCE) APPLICATIONS



FENTEC MANSION FENCE FOR F4 - (FALL RESTRAINT BARRIER) APPLICATIONS



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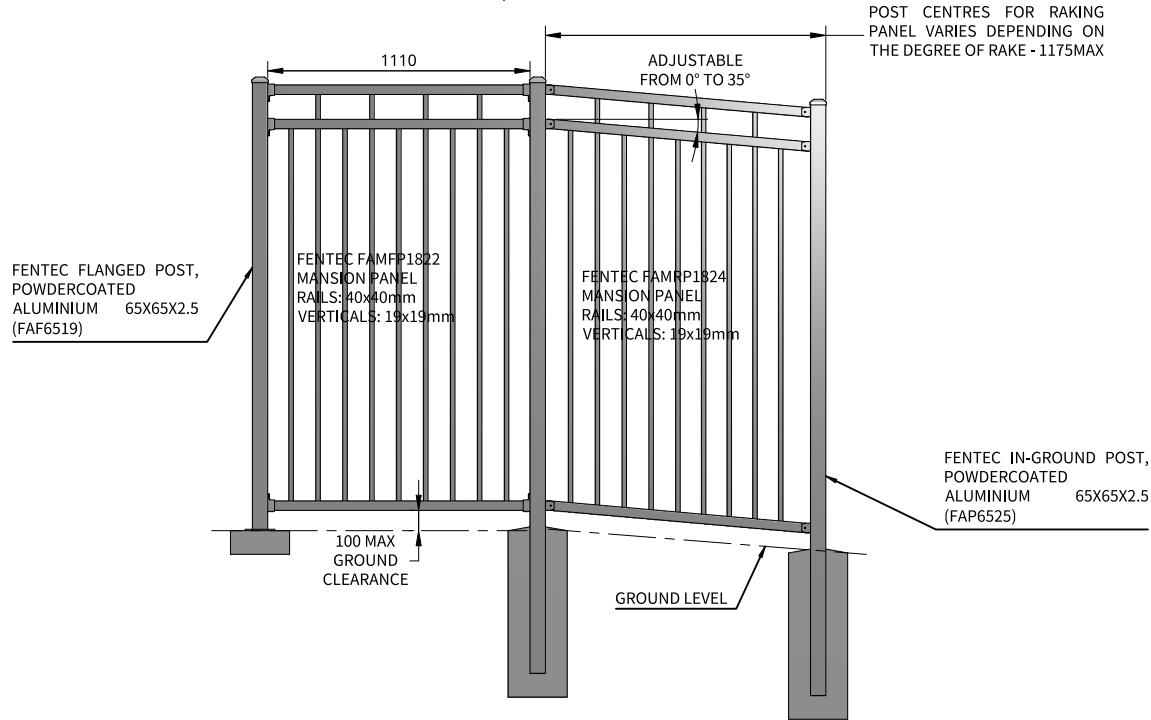
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SCALE	SIZE	DRAWING NO
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REV.	DATE ISSUED	SHEET
A	29/01/2025	7

Panel Type	MANSION 1200 High - FAMFP1222			MANSION Raking 1200 High - FAMRP1224			MANSION 1500 High - FAMFP1522			MANSION Raking 1500 High - FAMRP1524		
	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)
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In-Ground Post Options	50x50mm FAP5018	65x65mm FAP6518	65x65mm FAP6518	N/A	65x65mm FAP6518	65x65mm FAP6518	50x50mm FAP5021	65x65mm FAP6521	65x65mm FAP6521	N/A	65x65mm FAP6521	65x65mm FAP6521
Flanged Post Options	50x50mm FAF5013	65x65mm FAF6513	65x65mm FAF6513	N/A	65x65mm FAF6513	65x65mm FAF6513	50x50mm FAF5016	65x65mm FAF6519	65x65mm FAF6519	N/A	65x65mm FAF6519	65x65mm FAF6519
Applicable Fixing Details	FPA503301 FPA503302 FPA503303	FPA657501 FPA657502 FPA657503	FPA657501 FPA657502 FPA657503	N/A	FPA657501 FPA657502 FPA657503	FPA657501 FPA657502 FPA657503	FPA503301 FPA503302 FPA503303	FPA657501 FPA657502 FPA657503	FPA657501 FPA657502 FPA657503	N/A	FPA657501 FPA657502 FPA657503	FPA657501 FPA657502 FPA657503

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Zone C	Medium risk	Hot-dip Galvanised
Zone D	High risk, all offshore islands, locations within 500m of coastline including harbours, locations within 100m of tidal estuaries and sheltered inlets.	316 Stainless Steel
Zone E	Very high risk, locations described in Zone D, beachfronts and seaside locations.	316 Stainless Steel

Existing Support Structure

1. Supporting structures as not covered by these drawings unless specific requirements are detailed.
2. Supporting structures are by others and must comply with the New Zealand Building Code.
3. If unsure of existing structure compliance, seek professional advice.



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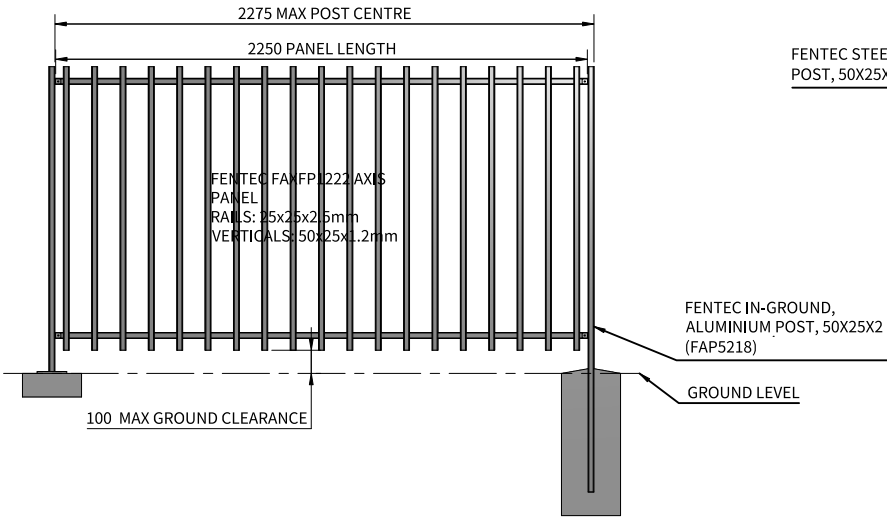
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FENTEC - MANSION		

SCALE	SIZE	DRAWING NO
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REV.	DATE ISSUED	SHEET
A	29/01/2025	8

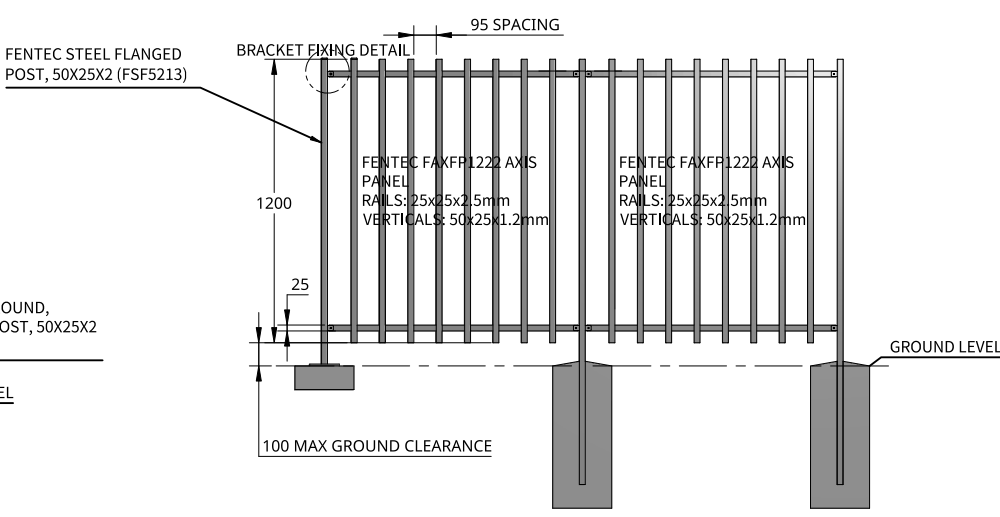
Panel Type	MANSION 1800 High - FAMFP1822			MANSION Raking 1800 High - FAMRP1824		
	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)
Loadings	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)
Max Post Centres	N/A	1175mm	1175mm	N/A	1175mm	1175mm
In-Ground Post Options	N/A	65x65mm FAP6525	65x65mm FAP6525	N/A	65x65mm FAP6525	65x65mm FAP6525
Flanged Post Options	N/A	65x65mm FAF6519	65x65mm FAF6519	N/A	65x65mm FAF6519	65x65mm FAF6519
Applicable Fixing Details	N/A	FPA657501 FPA657502 FPA657503	FPA657501 FPA657502 FPA657503	N/A	FPA657501 FPA657502 FPA657503	FPA657501 FPA657502 FPA657503

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FENTEC AXIS FENCE FOR F9 (POOL FENCE) APPLICATIONS



FENITEC AXIS FENCE FOR F4 - (FALL RESTRAINT BARRIER) APPLICATIONS



- General Notes**
- All dimensions are in millimetres.
 - Drawings are not necessarily to scale
 - Check www.fentec.co.nz to ensure you have the most recent edition of this publication.

- Fixing Notes**
- All coach screws and bolts to be pre-drilled according to NZS 3603:1997
 - When fixing self-drilling screws, ensure low torque setting to avoid thread stripping. A battery drill is recommended for self-drilling screws - DO NOT use an impact driver.

Corrosion Zones

There are four corrosion zones in New Zealand that relate to the severity of exposure to wind-driven salt. See maps in figure 4.2 of NZS 3604:2011 (or online search 'BRANZ Maps') to determine the corrosion zone of the installation location and appropriate fixing option required.

Zone	Risk Level & Location	Fixing Type
Zone B	Low risk	Hot-dip Galvanised
Zone C	Medium risk	Hot-dip Galvanised
Zone D	High risk, all offshore islands, locations within 500m of coastline including harbours, locations within 100m of tidal estuaries and sheltered inlets.	316 Stainless Steel
Zone E	Very high risk, locations described in Zone D, beachfronts and seaside locations.	316 Stainless Steel

- Existing Support Structure**
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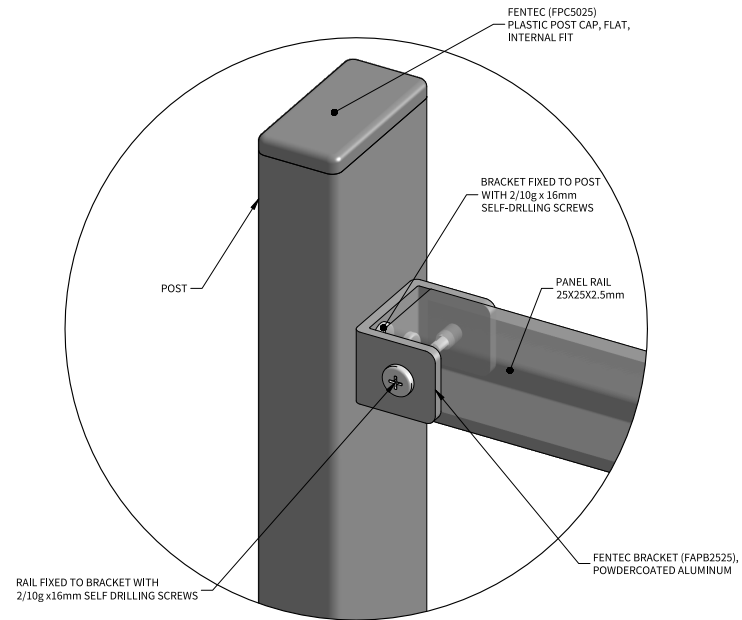
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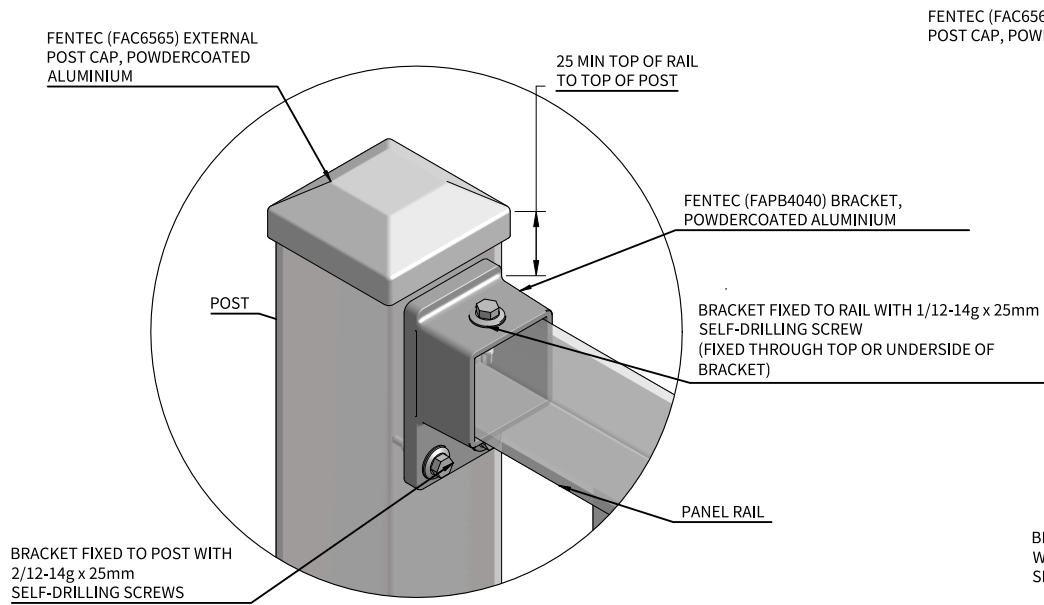
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FENITEC - AXIS		
SCALE	SIZE	DRAWING NO
1:32	A4	FXP01
REV.	DATE ISSUED	SHEET
A	29/01/2025	9

Panel Type	AXIS 1200 High - FAXFP1222		
Loadings	F9 (Pool Fence)	F4 - 0.35kN/m (Fall Restraint)	F4 - 0.75kN/m (Fall Restraint)
Max Post Centres	2275mm	1075mm	1075mm
In-Ground Post Options	50x25mm (FAP5218)	50x25mm (FSP5218)	50x25mm (FSP5218)
Flanged Post Options	50x25mm (FAF5213)	50x25mm (FSF5213)	50x25mm (FSF5213)
Applicable Fixing Details	FPA527501 FPA527502 FAP527503	FPA527501 FPA527502 FAP527503	FPA527501 FPA527502 FAP527503

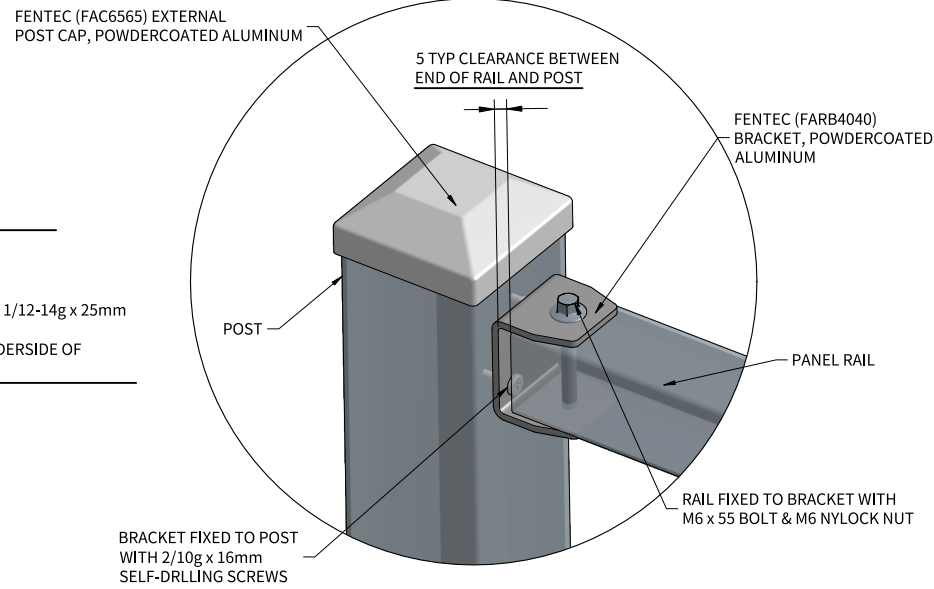


BRACKET FIXING DETAIL
1:2

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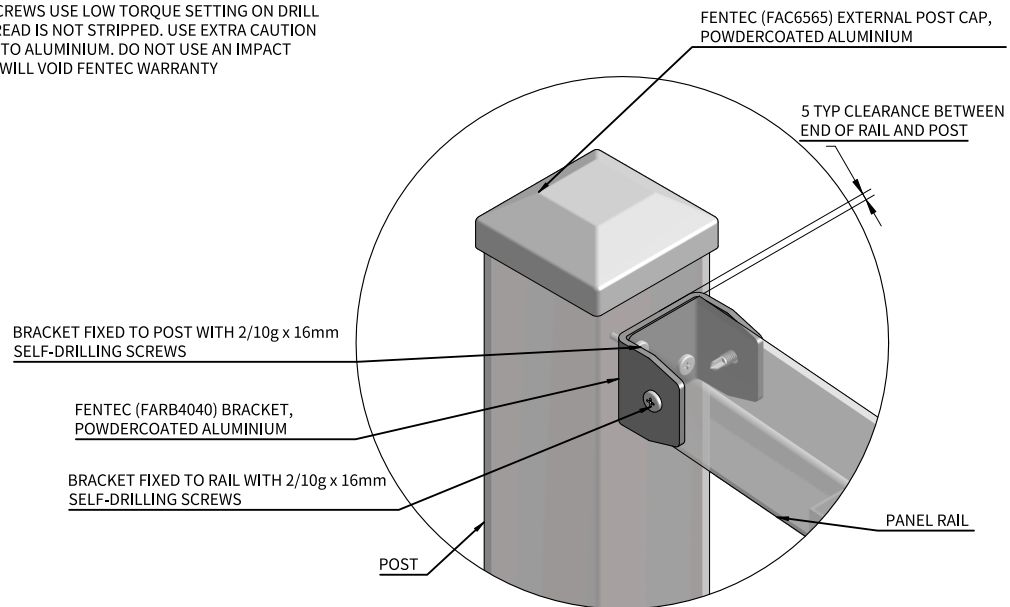


STANDARD PANEL BRACKET FIXING DETAIL
SCALE: 1:3.5
1:3



DIRECTIONAL PANEL BRACKET FIXING DETAIL SCALE: 1:3.5
1:3

NOTE:
WHEN FIXING SCREWS USE LOW TORQUE SETTING ON DRILL TO ENSURE THREAD IS NOT STRIPPED. USE EXTRA CAUTION WHEN FIXING INTO ALUMINIUM. DO NOT USE AN IMPACT DRIVER AS THIS WILL VOID FENTEC WARRANTY



RAKING PANEL BRACKET FIXING DETAIL SCALE: 1:3.5
1:3

General Notes

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Fixing Notes

- All coach screws and bolts to be pre-drilled according to NZS 3603:1997
- When fixing self-drilling screws, ensure low torque setting to avoid thread stripping. A battery drill is recommended for self-drilling screws - DO NOT use an impact driver.

Corrosion Zones

There are four corrosion zones in New Zealand that relate to the severity of exposure to wind-driven salt. See maps in figure 4.2 of NZS 3604:2011 (or online search 'BRANZ Maps') to determine the corrosion zone of the installation location and appropriate fixing option required.

Zone	Risk Level & Location	Fixing Type
Zone B	Low risk	Hot-dip Galvanised
Zone C	Medium risk	Hot-dip Galvanised
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Zone E	Very high risk, locations described in Zone D, beachfronts and seaside locations.	316 Stainless Steel

Existing Support Structure

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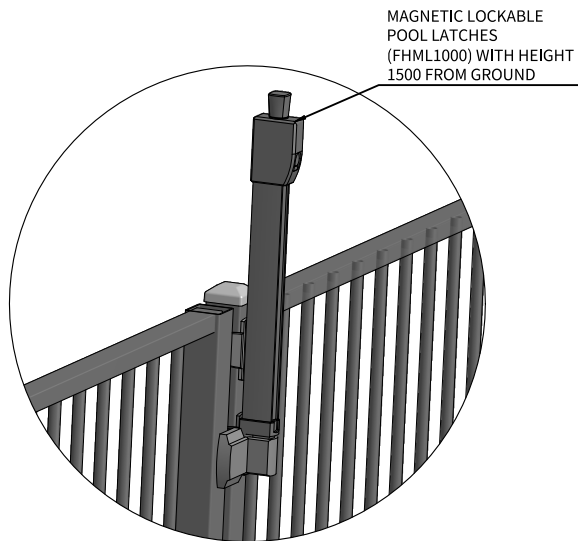
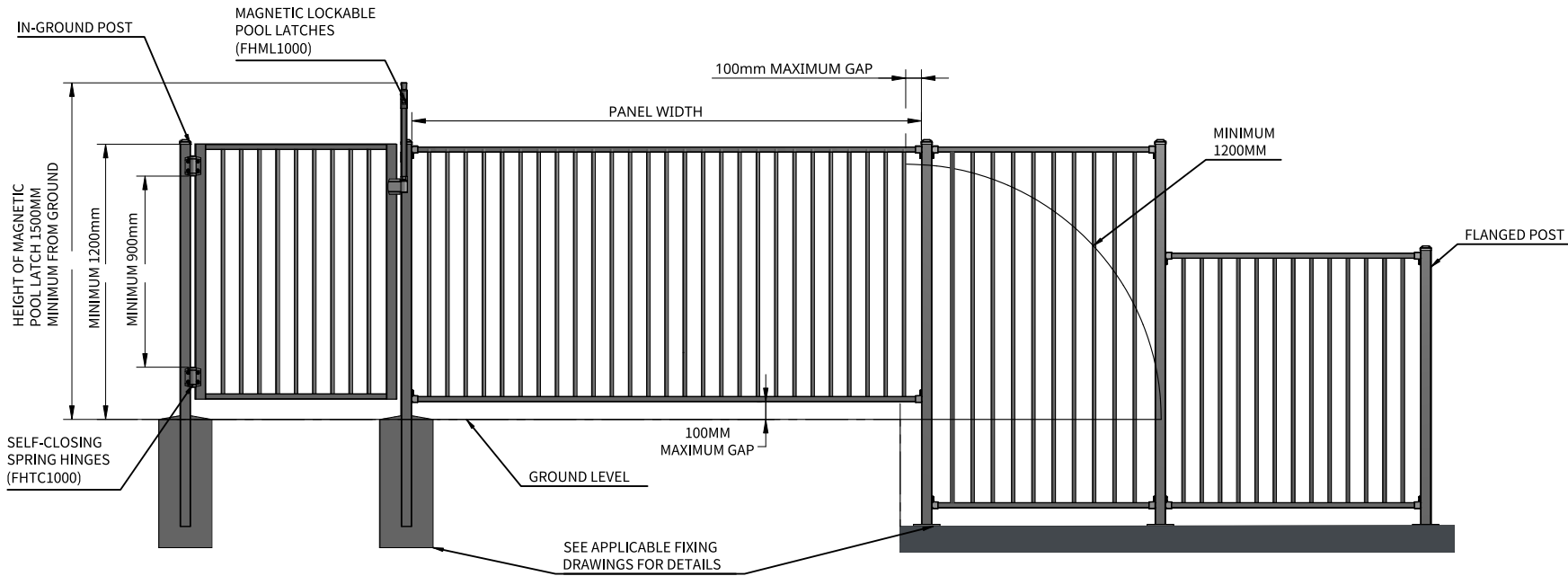
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TITLE		
FENTEC RAIL BRACKET FIXING DETAILS		

SCALE	SIZE	DRAWING NO
1:25	A4	FDB01
REV.	DATE ISSUED	SHEET
A	29/01/2025	10

FENTEC FENCE FOR F9 (POOL FENCE)
APPLICATIONS



MAGNETIC LOCKABLE LATCHES (FHML1000)
1:10

General Notes

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Fixing Notes

- All coach screws and bolts to be pre-drilled according to NZS 3603:1997
- When fixing self-drilling screws, ensure low torque setting to avoid thread stripping. A battery drill is recommended for self-drilling screws - DO NOT use an impact driver.

Corrosion Zones

There are four corrosion zones in New Zealand that relate to the severity of exposure to wind-driven salt. See maps in figure 4.2 of NZS 3604:2011 (or online search 'BRANZ Maps') to determine the corrosion zone of the installation location and appropriate fixing option required.

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Zone E	Very high risk, locations described in Zone D, beachfronts and seaside locations.	316 Stainless Steel

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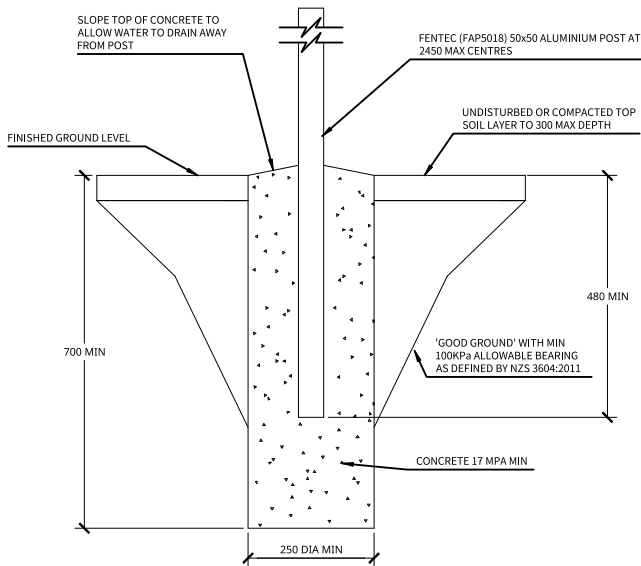
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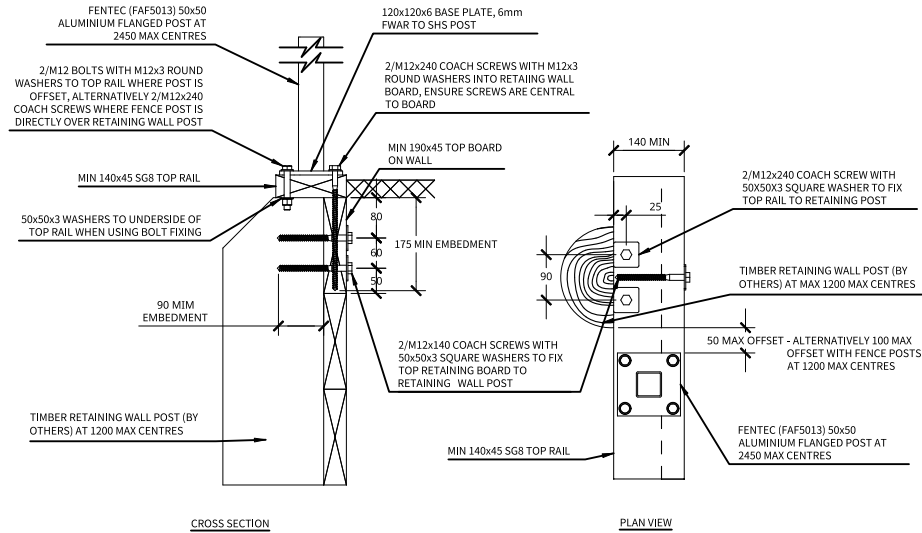
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TITLE
FENTEC TYPICAL POOL FENCE INSTALL

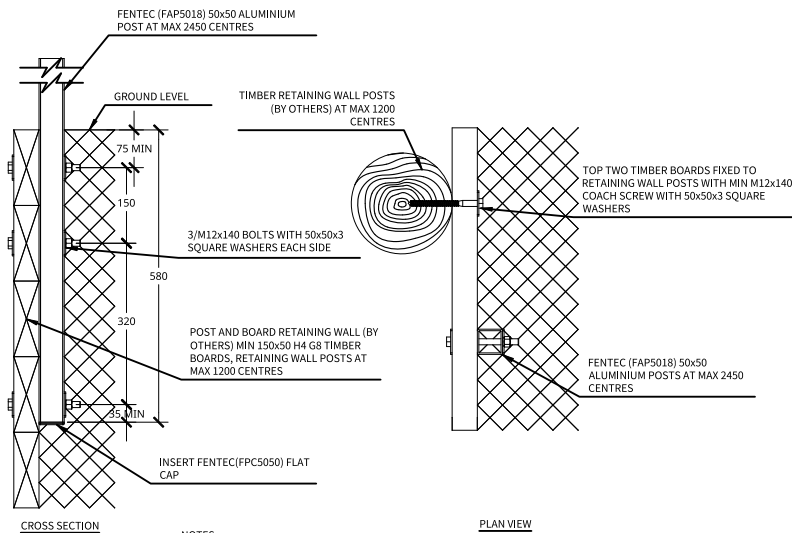
SCALE	SIZE	DRAWING NO
1:32	A4	PFI01
REV.	DATE ISSUED	SHEET
A	29/01/2025	11



DRAWING NO: ICA503324
 APPLICATION: CONCRETE IN-GROUND
 LOADING: 1200H: 0.33kN POINT LOAD AT MAX 2450 POST CENTRES
 LOADING: 1500H: 0.33kN POINT LOAD AT MAX 2300 POST CENTRES

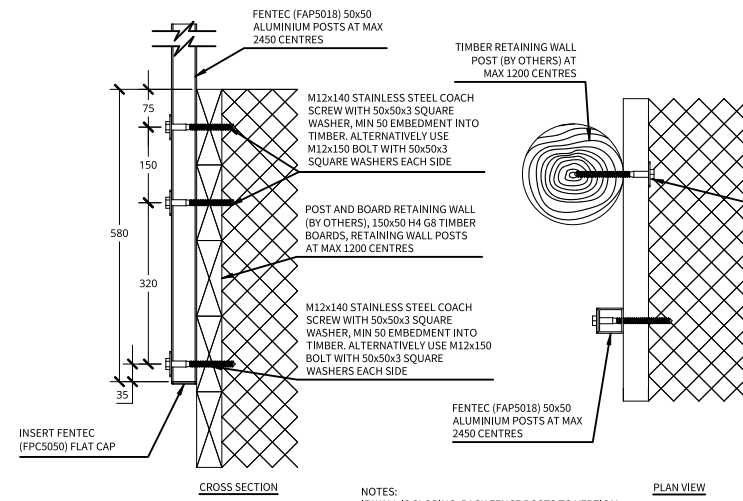


DRAWING NO: TRA503324
 APPLICATION: TOP-FIX TO TIMBER RETAINING WALL
 LOADING: 1200H: 0.33kN POINT LOAD AT MAX 2450 POST CENTRES
 LOADING: 1500H: 0.33kN POINT LOAD AT MAX 2300 POST CENTRES



NOTES:
 IF WALL IS SLOPING, PACK FENCE POSTS TO VERTICAL AND ADJUST BOLT LENGTH TO SUIT.
 ALL INGROUND FIXINGS TO BE STAINLESS STEEL OR GALVANISED WITH DPM PROTECTION

DRAWING NO: SRA503324-A
 APPLICATION: SIDE-FIX TO TIMBER RETAINING WALL (POST ON INSIDE OF RETAINING WALL)
 LOADING: 1200H: 0.33kN POINT LOAD AT MAX 2450 POST CENTRES
 LOADING: 1500H: 0.33kN POINT LOAD AT MAX 2300 POST CENTRES



NOTES:
 IF WALL IS SLOPING, PACK FENCE POSTS TO VERTICAL AND ADJUST COACH SCREW LENGTH TO SUIT, ALL INGROUND FIXINGS TO BE STAINLESS STEEL

DRAWING NO: SRA503324-B
 APPLICATION: SIDE-FIX TO TIMBER RETAINING WALL (POST ON OUTSIDE OF RETAINING WALL)
 LOADING: 1200H: 0.33kN POINT LOAD AT MAX 2450 POST CENTRES
 LOADING: 1500H: 0.33kN POINT LOAD AT MAX 2300 POST CENTRES

General Notes

- All dimensions are in millimetres.
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Fixing Notes

- All coach screws and bolts to be pre-drilled according to NZS 3603:1997
- When fixing self-drilling screws, ensure low torque setting to avoid thread stripping. A battery drill is recommended for self-drilling screws - DO NOT use an impact driver.

Corrosion Zones

There are four corrosion zones in New Zealand that relate to the severity of exposure to wind-driven salt. See maps in figure 4.2 of NZS 3604:2011 (or online search 'BRANZ Maps') to determine the corrosion zone of the installation location and appropriate fixing option required.

Zone	Risk Level & Location	Fixing Type
Zone B	Low risk	Hot-dip Galvanised
Zone C	Medium risk	Hot-dip Galvanised
Zone D	High risk, all offshore islands, locations within 500m of coastline including harbours, locations within 100m of tidal estuaries and sheltered inlets.	316 Stainless Steel
Zone E	Very high risk, locations described in Zone D, beachfronts and seaside locations.	316 Stainless Steel

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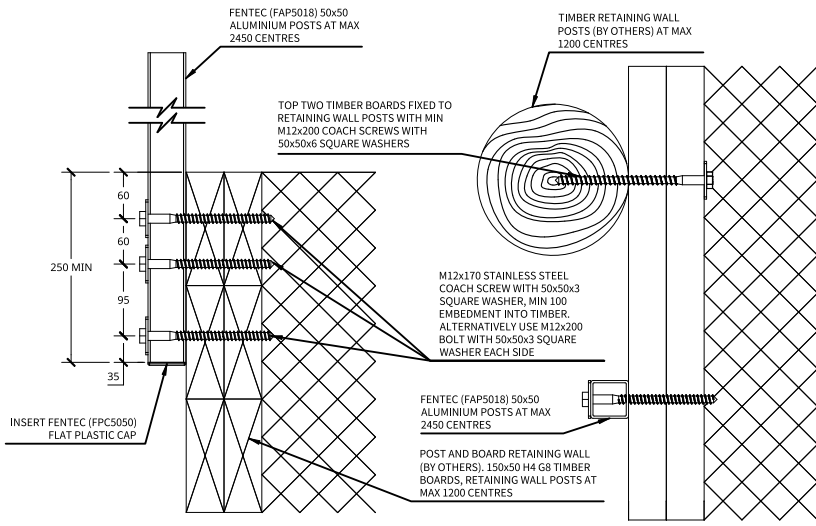
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TITLE FENTEC CONCRETE IN-GROUND & TIMBER RETAINING WALL FIXING DESIGNS FOR:

- LODGE
- DELTA
- ALTO
- MANSION

FOR 0.33kN POINT LOADING
 (REFER TO BARRIER SPECIFICATION GUIDE FOR RELEVANT OCCUPANCY TYPES)

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REV.	DATE ISSUED	SHEET
A	29/01/2025	12

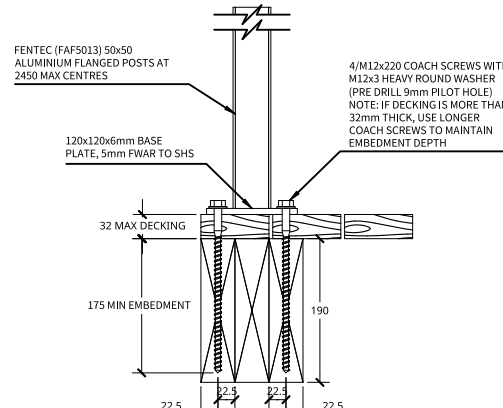


CROSS SECTION

PLAN VIEW

NOTES:
IF WALL IS SLOPING, PACK FENCE POSTS TO VERTICAL AND ADJUST COACH SCREW LENGTH TO SUIT, ALL INGROUND FIXINGS TO BE STAINLESS STEEL

DRAWING NO: SRB503324-B
APPLICATION: SIDE-FIX TO TIMBER RETAINING WALL - DOUBLE BOARD (POST ON OUTSIDE OF RETAINING WALL)
LOADING: 1200H: 0.33kN POINT LOAD AT MAX 2450 POST CENTRES
LOADING: 1500H: 0.33kN POINT LOAD AT MAX 2300 POST CENTRES



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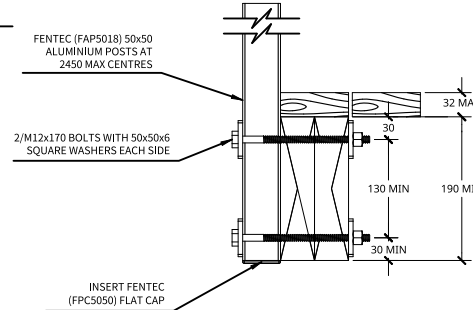
CROSS SECTION

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DRAWING NO: TTA503324
APPLICATION: TOP-FIX TO TIMBER DECK
LOADING: 1200H: 0.33kN POINT LOAD AT MAX 2450 POST CENTRES
LOADING: 1500H: 0.33kN POINT LOAD AT MAX 2300 POST CENTRES



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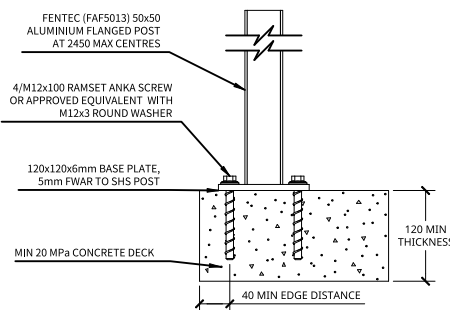
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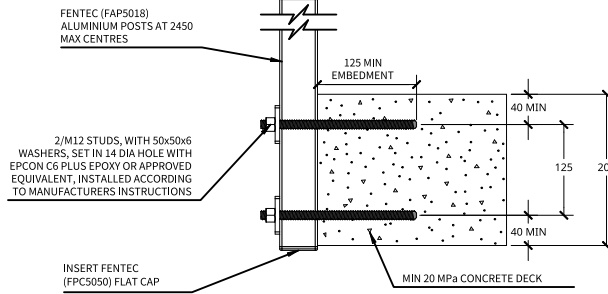
CROSS SECTION

CROSS SECTION

DRAWING NO: STA503324
APPLICATION: SIDE-FIX TO TIMBER DECK
LOADING: 1200H: 0.33kN POINT LOAD AT MAX 2450 POST CENTRES
LOADING: 1500H: 0.33kN POINT LOAD AT MAX 2300 POST CENTRES



DRAWING NO: TDA503324
APPLICATION: TOP-FIX TO CONCRETE DECK
LOADING: 1200H: 0.33kN POINT LOAD AT MAX 2450 POST CENTRES
LOADING: 1500H: 0.33kN POINT LOAD AT MAX 2300 POST CENTRES



DRAWING NO: SDA503324-A
APPLICATION: SIDE-FIX TO CONCRETE DECK (205mm THICKNESS)
LOADING: 1200H: 0.33kN POINT LOAD AT MAX 2450 POST CENTRES
LOADING: 1500H: 0.33kN POINT LOAD AT MAX 2300 POST CENTRES

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- Fixing Notes**
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Corrosion Zones
There are four corrosion zones in New Zealand that relate to the severity of exposure to wind-driven salt. See maps in figure 4.2 of NZS 3604:2011 (or online search 'BRANZ Maps') to determine the corrosion zone of the installation location and appropriate fixing option required.

Zone	Risk Level & Location	Fixing Type
Zone B	Low risk	Hot-dip Galvanised
Zone C	Medium risk	Hot-dip Galvanised
Zone D	High risk, all offshore islands, locations within 500m of coastline including harbours, locations within 100m of tidal estuaries and sheltered inlets.	316 Stainless Steel
Zone E	Very high risk, locations described in Zone D, beachfronts and seaside locations.	316 Stainless Steel

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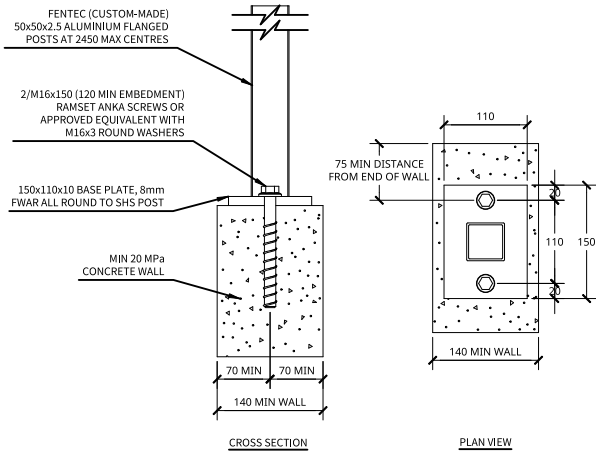
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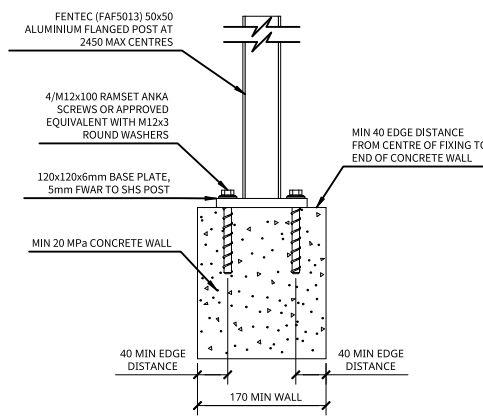
TITLE: FENTEC CONCRETE TIMBER RETAINING WALL (DOUBLE BOARD), TIMBER DECK & CONCRETE DECK FIXING DESIGNS FOR:
- LODGE
- DELTA
- ALTO
- MANSION

FOR 0.33kN POINT LOADING (REFER TO BARRIER SPECIFICATION GUIDE FOR RELEVANT OCCUPANCY TYPES)

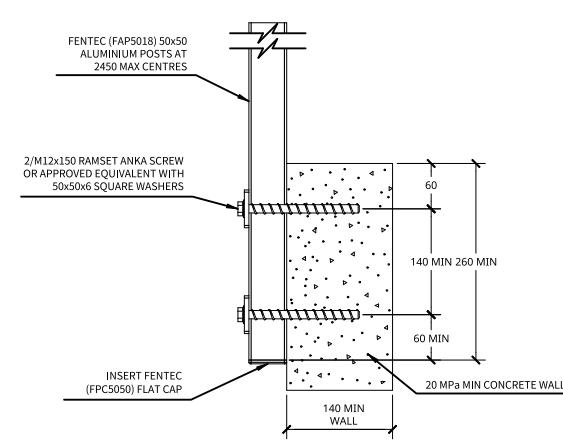
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REV.	DATE ISSUED	SHEET
A	29/01/2025	13



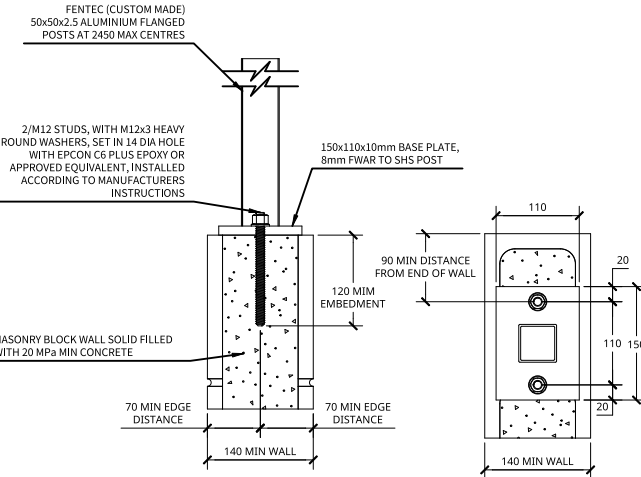
DRAWING NO: TWA503324-A
 APPLICATION: TOP-FIX TO CONCRETE WALL
 LOADING: 1200H: 0.33kN POINT LOAD AT MAX 2450 POST CENTRES
 LOADING: 1500H: 0.33kN POINT LOAD AT MAX 2300 POST CENTRES



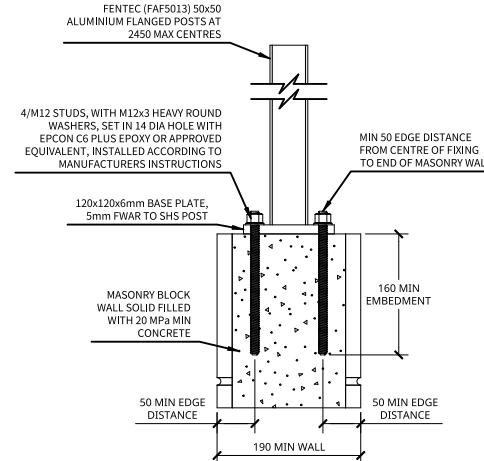
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 LOADING: 1500H: 0.33kN POINT LOAD AT MAX 2300 POST CENTRES



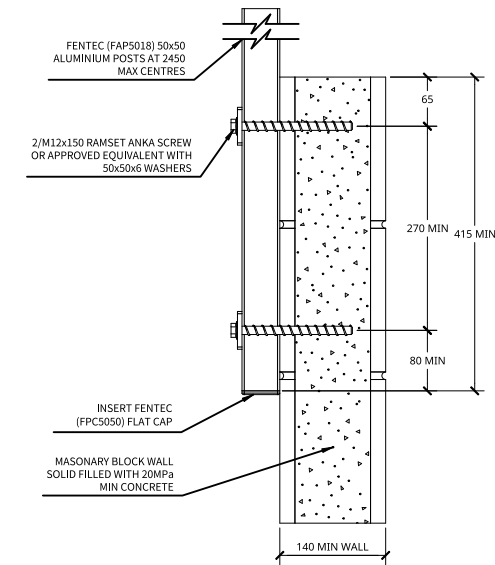
DRAWING NO: SWA503324
 APPLICATION: SIDE-FIX TO CONCRETE WALL
 LOADING: 1200H: 0.33kN POINT LOAD AT MAX 2450 POST CENTRES
 LOADING: 1500H: 0.33kN POINT LOAD AT MAX 2300 POST CENTRES



DRAWING NO: TMA503324-A
 APPLICATION: TOP-FIX TO MASONRY WALL (15 SERIES)
 LOADING: 1200H: 0.33kN POINT LOAD AT MAX 2450 POST CENTRES
 LOADING: 1500H: 0.33kN POINT LOAD AT MAX 2300 POST CENTRES



DRAWING NO: TMA503324-B
 APPLICATION: TOP-FIX TO MASONRY WALL (20 SERIES)
 LOADING: 1200H: 0.33kN POINT LOAD AT MAX 2450 POST CENTRES
 LOADING: 1500H: 0.33kN POINT LOAD AT MAX 2300 POST CENTRES



DRAWING NO: SMA503324
 APPLICATION: SIDE-FIX TO MASONRY WALL (15 SERIES)
 LOADING: 1200H: 0.33kN POINT LOAD AT MAX 2450 POST CENTRES
 LOADING: 1500H: 0.33kN POINT LOAD AT MAX 2300 POST CENTRES

General Notes

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Fixing Notes

- All coach screws and bolts to be pre-drilled according to NZS 3603:1997
- When fixing self-drilling screws, ensure low torque setting to avoid thread stripping. A battery drill is recommended for self-drilling screws - DO NOT use an impact driver.

Corrosion Zones

There are four corrosion zones in New Zealand that relate to the severity of exposure to wind-driven salt. See maps in figure 4.2 of NZS 3604:2011 (or online search 'BRANZ Maps') to determine the corrosion zone of the installation location and appropriate fixing option required.

Zone	Risk Level & Location	Fixing Type
Zone B	Low risk	Hot-dip Galvanised
Zone C	Medium risk	Hot-dip Galvanised
Zone D	High risk, all offshore islands, locations within 500m of coastline including harbours, locations within 100m of tidal estuaries and sheltered inlets.	316 Stainless Steel
Zone E	Very high risk, locations described in Zone D, beachfronts and seaside locations.	316 Stainless Steel

Existing Support Structure

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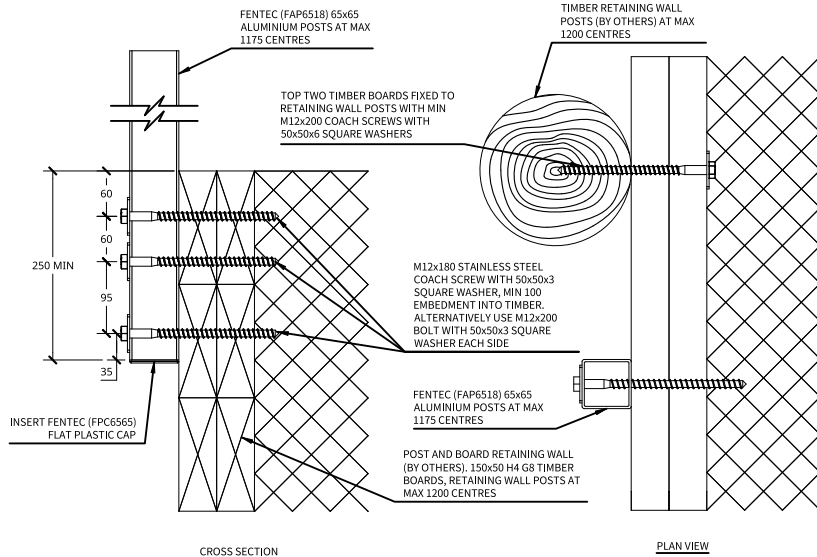
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TITLE
 FENTEC CONCRETE WALL & MASONRY WALL FIXING DESIGNS FOR:
 - LODGE
 - DELTA
 - ALTO
 - MANSION

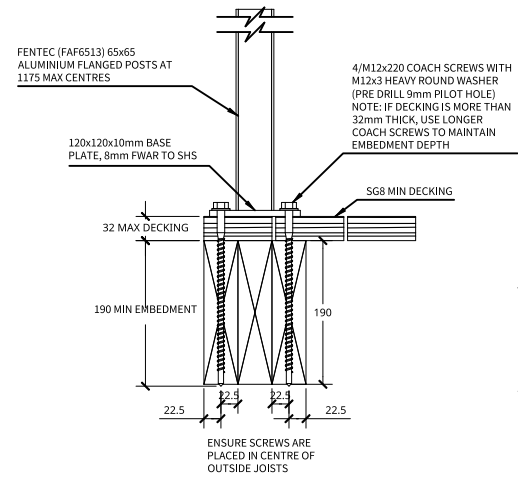
FOR 0.33kN POINT LOADING
 (REFER TO BARRIER SPECIFICATION GUIDE FOR RELEVANT OCCUPANCY TYPES)

SCALE	SIZE	DRAWING NO
1:10	A4	FPA503303
REV.	DATE ISSUED	SHEET
A	29/01/2025	14



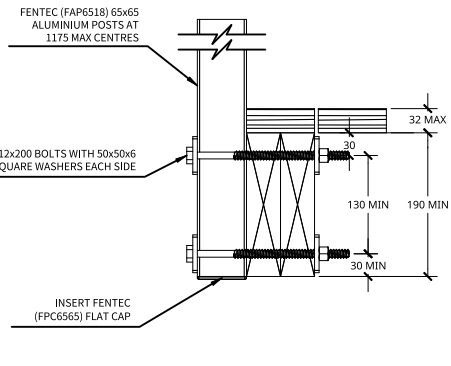
NOTES:
IF WALL IS SLOPING, PACK FENCE POSTS TO VERTICAL AND ADJUST COACH SCREW LENGTH TO SUIT, ALL INGROUND FIXINGS TO BE STAINLESS STEEL

DRAWING NO: SRB657512-B
APPLICATION: SIDE-FIX TO TIMBER RETAINING WALL - DOUBLE BOARD (POST ON OUTSIDE OF RETAINING WALL)
LOADING: 0.35kN/m AT MAX 1175 POST CENTRES
LOADING: 0.75kN/m AT MAX 1175 POST CENTRES
HEIGHTS: 1200, 1500, 1800



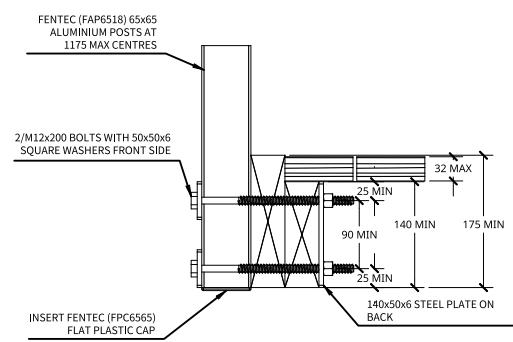
ENSURE SCREWS ARE PLACED IN CENTRE OF OUTSIDE JOISTS

DRAWING NO: TTA657512
APPLICATION: TOP-FIX TO TIMBER DECK
LOADING: 0.35kN/m AT MAX 1175 POST CENTRES
LOADING: 0.75kN/m AT MAX 1175 POST CENTRES
HEIGHTS: 1200, 1500, 1800

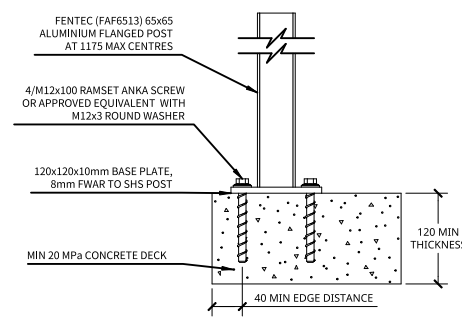


ENSURE SCREWS ARE PLACED IN CENTRE OF OUTSIDE JOISTS

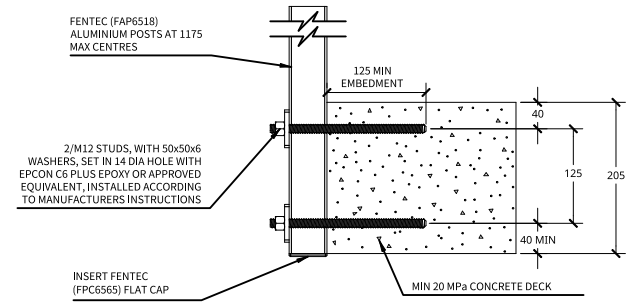
DRAWING NO: STA657512-A
APPLICATION: SIDE-FIX TO TIMBER DECK
LOADING: 0.35kN/m AT MAX 1175 POST CENTRES
LOADING: 0.75kN/m AT MAX 1175 POST CENTRES
HEIGHTS: 1200, 1500, 1800



DRAWING NO: STA657512-B
APPLICATION: SIDE-FIX TO TIMBER DECK
LOADING: 0.35kN/m AT MAX 1175 POST CENTRES
LOADING: 0.75kN/m AT MAX 1175 POST CENTRES
HEIGHTS: 1200, 1500, 1800



DRAWING NO: TDA657512
APPLICATION: TOP-FIX TO CONCRETE DECK
LOADING: 0.35kN/m AT MAX 1175 POST CENTRES
LOADING: 0.75kN/m AT MAX 1175 POST CENTRES
HEIGHTS: 1200, 1500, 1800



DRAWING NO: SDA657512-A
APPLICATION: SIDE-FIX TO CONCRETE DECK (205 MIN THICKNESS)
LOADING: 0.35kN/m AT MAX 1175 POST CENTRES
LOADING: 0.75kN/m AT MAX 1175 POST CENTRES
HEIGHTS: 1200, 1500, 1800

General Notes

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Fixing Notes

1. All coach screws and bolts to be pre-drilled according to NZS 3603:1997
2. When fixing self-drilling screws, ensure low torque setting to avoid thread stripping. A battery drill is recommended for self-drilling screws - DO NOT use an impact driver.

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Zone C	Medium risk	Hot-dip Galvanised
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Zone E	Very high risk, locations described in Zone D beachfronts and seaside locations.	316 Stainless Steel

Existing Support Structure

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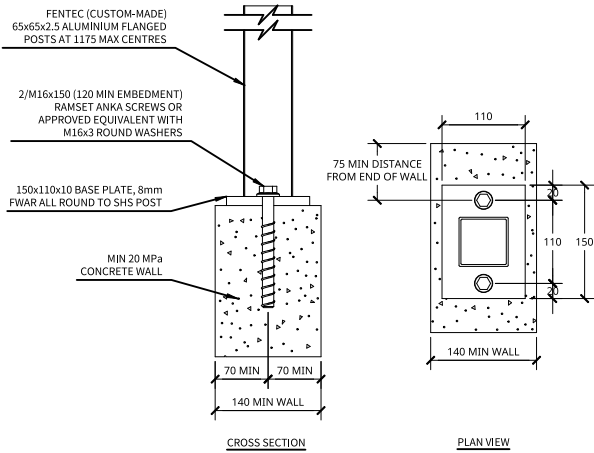
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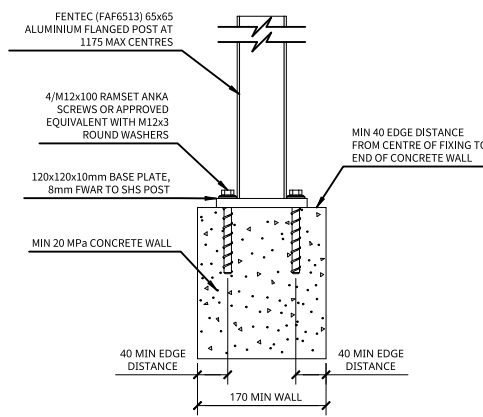
TITLE:
FENTEC CONCRETE TIMBER RETAINING WALL (DOUBLE BOARD), TIMBER DECK & CONCRETE DECK FIXING DESIGNS FOR:
- DELTA
- ALTO
- MANSSION

FOR 0.35kN/m & 0.75kN/m HORIZONTAL LOADING (REFER TO BARRIER SPECIFICATION GUIDE FOR RELEVANT OCCUPANCY TYPES)

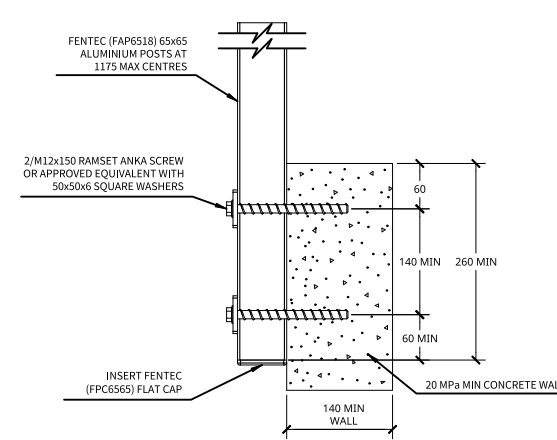
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REV.	DATE ISSUED	SHEET
A	29/01/2025	16



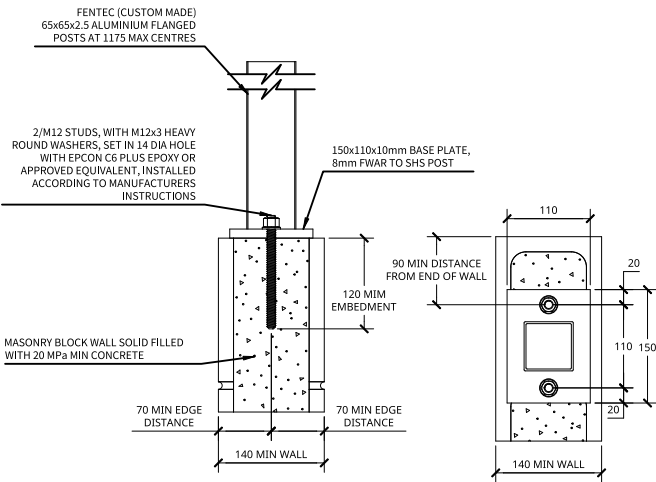
DRAWING NO: TWA657512-A
 APPLICATION: TOP-FIX TO CONCRETE WALL
 LOADING: 0.35kN/m AT MAX 1175 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1175 POST CENTRES
 HEIGHTS: 1200, 1500, 1800



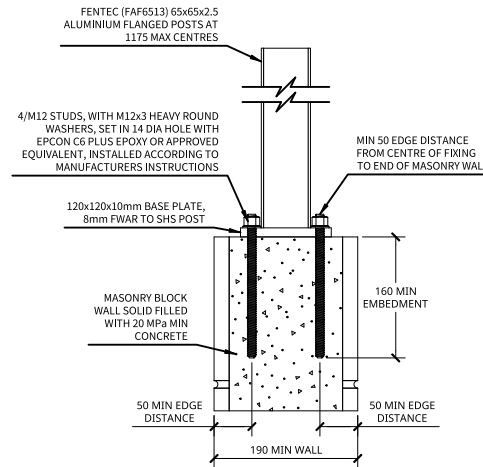
DRAWING NO: TWA657512-B
 APPLICATION: TOP-FIX TO CONCRETE WALL
 LOADING: 0.35kN/m AT MAX 1175 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1175 POST CENTRES
 HEIGHTS: 1200, 1500, 1800



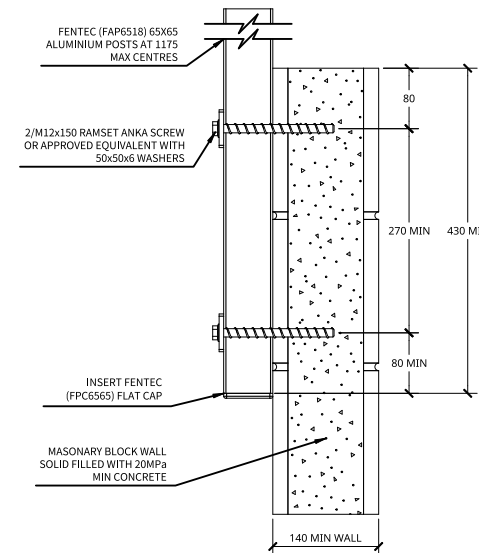
DRAWING NO: SWA657512
 APPLICATION: SIDE-FIX TO CONCRETE WALL
 LOADING: 0.35kN/m AT MAX 1175 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1175 POST CENTRES
 HEIGHTS: 1200, 1500, 1800



DRAWING NO: TMA657512-A
 APPLICATION: TOP-FIX TO MASONRY WALL (15 SERIES)
 LOADING: 0.35kN/m AT MAX 1175 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1175 POST CENTRES
 HEIGHTS: 1200, 1500, 1800



DRAWING NO: TMA657512-B
 APPLICATION: TOP-FIX TO MASONRY WALL (20 SERIES)
 LOADING: 0.35kN/m AT MAX 1175 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1175 POST CENTRES
 HEIGHTS: 1200, 1500, 1800



DRAWING NO: SMA657512
 APPLICATION: SIDE-FIX TO MASONRY WALL (15 SERIES)
 LOADING: 0.35kN/m AT MAX 1175 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1175 POST CENTRES
 HEIGHTS: 1200, 1500, 1800

General Notes

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Fixing Notes

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There are four corrosion zones in New Zealand that relate to the severity of exposure to wind-driven salt. See maps in figure 4.2 of NZS 3604:2011 (or online search 'BRANZ Maps') to determine the corrosion zone of the installation location and appropriate fixing option required.

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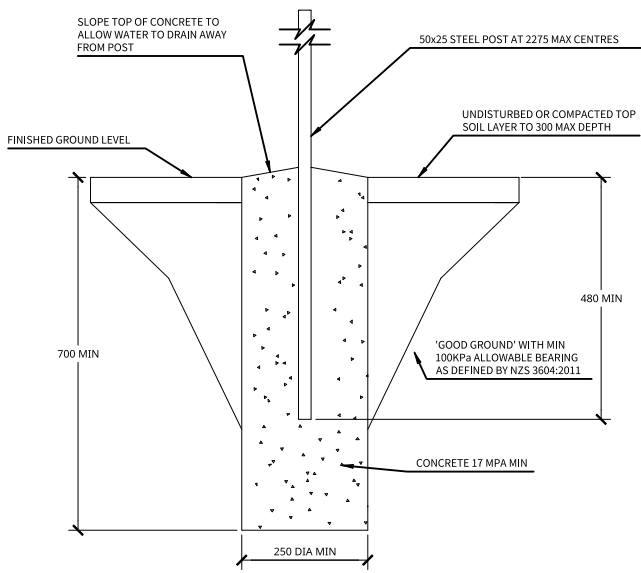
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TITLE FENTEC CONCRETE WALL & MASONRY WALL FIXING DESIGNS FOR:
 - DELTA
 - ALTO
 - MANSION

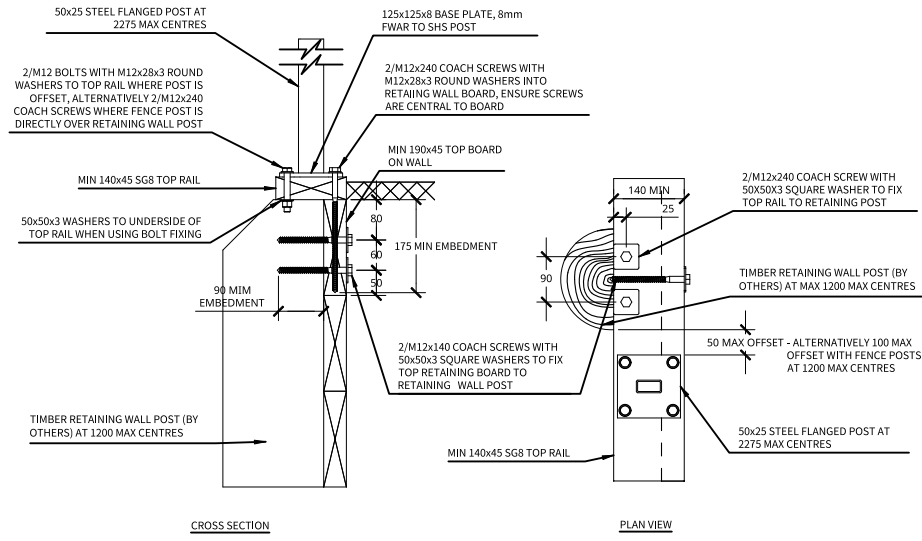
FOR 0.35kN/m & 0.75kN/m HORIZONTAL LOADING

(REFER TO BARRIER SPECIFICATION GUIDE FOR RELEVANT OCCUPANCY TYPES)

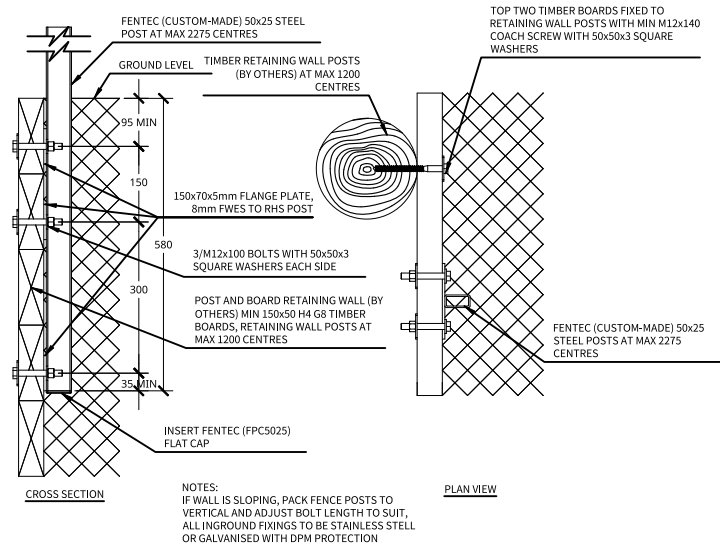
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REV.	DATE ISSUED	SHEET
A	29/01/2025	17



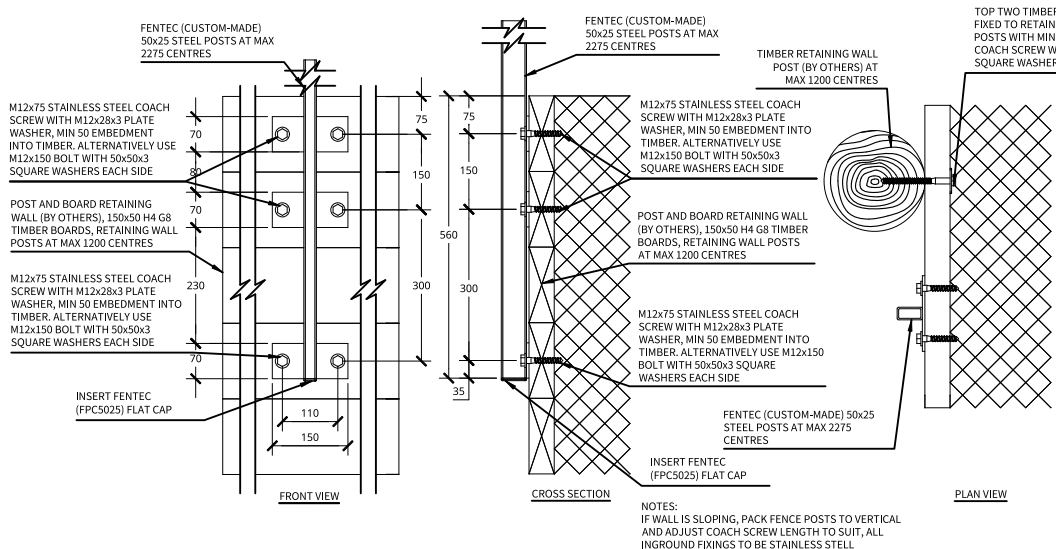
DRAWING NO: ICA527511
 APPLICATION: CONCRETE IN-GROUND
 LOADING: 0.33kN POINT LOAD AT MAX 2275 POST CENTRES
 LOADING: 0.35kN/m AT MAX 1075 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1075 POST CENTRES
 HEIGHT: 1200 ONLY



DRAWING NO: TRA527511
 APPLICATION: TOP-FIX TO TIMBER RETAINING WALL
 LOADING: 0.33kN POINT LOAD AT MAX 2275 POST CENTRES
 LOADING: 0.35kN/m AT MAX 1075 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1075 POST CENTRES
 HEIGHT: 1200 ONLY



DRAWING NO: SRA527511-A
 APPLICATION: SIDE-FIX TO TIMBER RETAINING WALL (POST ON INSIDE OF RETAINING WALL)
 LOADING: 0.33kN POINT LOAD AT MAX 2275 POST CENTRES
 LOADING: 0.35kN/m AT MAX 1075 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1075 POST CENTRES
 HEIGHT: 1200 ONLY



DRAWING NO: SRA527511-B
 APPLICATION: SIDE-FIX TO TIMBER RETAINING WALL (POST ON OUTSIDE OF RETAINING WALL)
 LOADING: 0.33kN POINT LOAD AT MAX 2275 POST CENTRES
 LOADING: 0.35kN/m AT MAX 1075 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1075 POST CENTRES
 HEIGHT: 1200 ONLY

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Fixing Notes

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Zone C	Medium risk	Hot-dip Galvanised
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Zone E	Very high risk, locations described in Zone D, beachfronts and seaside locations.	316 Stainless Steel

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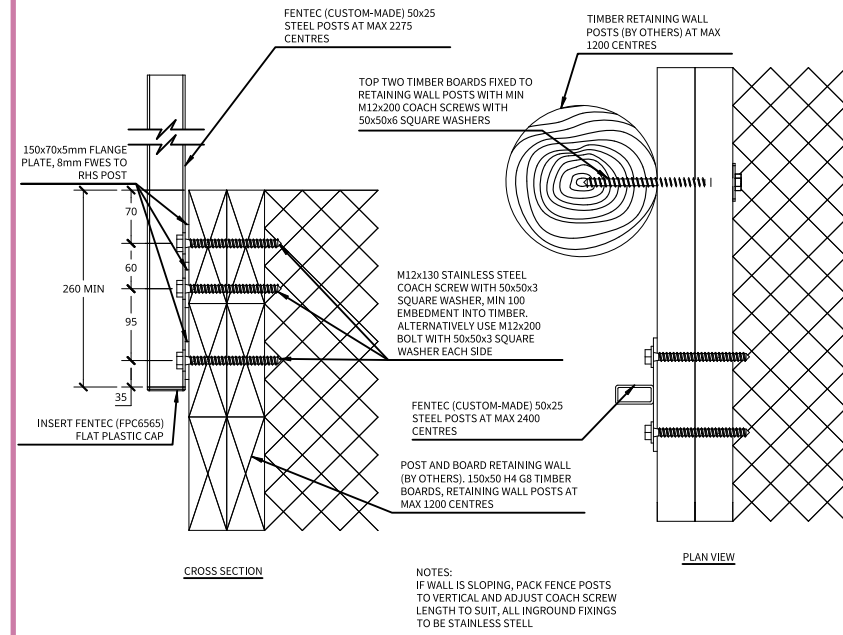
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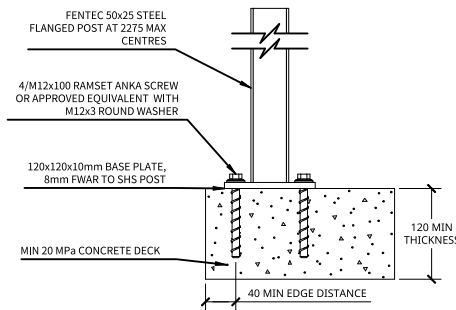
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 FENTEC AXIS BARRIER FIXING
 DESIGNS FOR:
 - CONCRETE IN-GROUND
 - TIMBER RETAINING WALL

FOR 0.33kN POINT LOAD, 0.35kN/m & 0.75kN/m HORIZONTAL LOADING
 (REFER TO BARRIER SPECIFICATION GUIDE FOR RELEVANT OCCUPANCY TYPES)

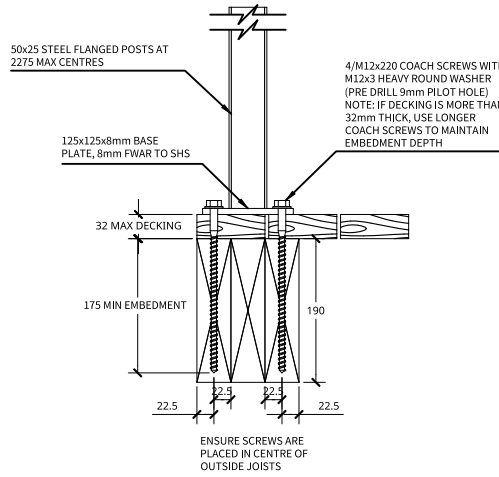
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REV.	DATE ISSUED	SHEET
A	29/01/2025	18



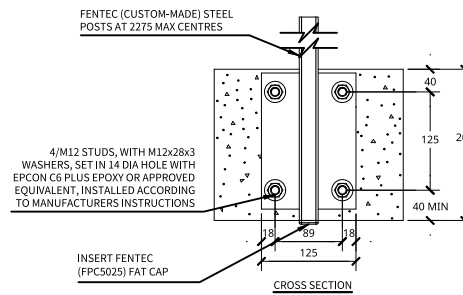
DRAWING NO: SRB527511-B
 APPLICATION: SIDE-FIX TO TIMBER RETAINING WALL - DOUBLE BOARD (POST ON OUTSIDE OF RETAINING WALL)
 LOADING: 0.33kN POINT LOAD AT MAX 2275 POST CENTRES
 LOADING: 0.35kN/m AT MAX 1075 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1075 POST CENTRES
 HEIGHT: 1200 ONLY



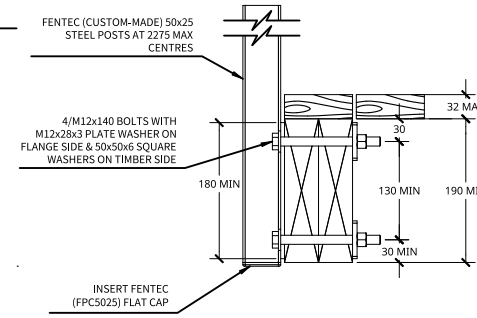
DRAWING NO: TDA527511
 APPLICATION: TOP-FIX TO CONCRETE DECK
 LOADING: 0.33kN POINT LOAD AT MAX 2275 POST CENTRES
 LOADING: 0.35kN/m AT MAX 1075 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1075 POST CENTRES
 HEIGHT: 1200 ONLY



DRAWING NO: TTA527511
 APPLICATION: TOP-FIX TO TIMBER DECK
 LOADING: 0.33kN POINT LOAD AT MAX 2275 POST CENTRES
 LOADING: 0.35kN/m AT MAX 1075 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1075 POST CENTRES
 HEIGHT: 1200 ONLY



DRAWING NO: SDA527511-A
 APPLICATION: SIDE-FIX TO CONCRETE DECK (180 min THICKNESS)
 LOADING: 0.33kN POINT LOAD AT MAX 2275 POST CENTRES
 LOADING: 0.35kN/m AT MAX 1075 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1075 POST CENTRES
 HEIGHT: 1200 ONLY



DRAWING NO: STA527511
 APPLICATION: SIDE-FIX TO TIMBER DECK
 LOADING: 0.33kN POINT LOAD AT MAX 2275 POST CENTRES
 LOADING: 0.35kN/m AT MAX 1075 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1075 POST CENTRES
 HEIGHT: 1200 ONLY

General Notes

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Fixing Notes

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TITLE:
 FENTEC AXIS BARRIER FIXING DESIGNS FOR:
 - TIMBER RETAINING WALL (DOUBLE BOARD)
 - TIMBER DECK
 - CONCRETE DECK

FOR 0.33kN POINT LOAD, 0.35kN/m & 0.75kN/m HORIZONTAL LOADING
 (REFER TO BARRIER SPECIFICATION GUIDE FOR RELEVANT OCCUPANCY TYPES)

SCALE	SIZE	DRAWING NO
1:10	A4	FPA527502
REV.	DATE ISSUED	SHEET
A	29/01/2025	19

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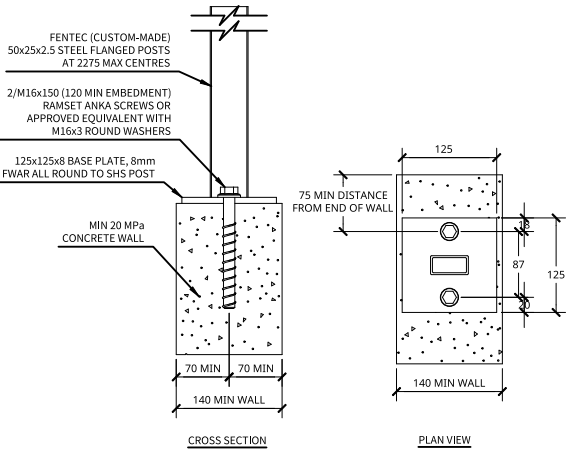
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TITLE
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 FOR:

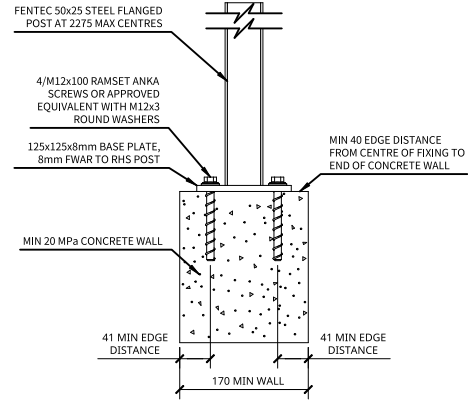
- CONCRETE WALL
 - MASONRY WALL
 FOR 0.33kN POINT LOAD, 0.35kN/m & 0.75kN/m HORIZONTAL LOADING

(REFER TO BARRIER SPECIFICATION GUIDE FOR RELEVANT OCCUPANCY TYPES)

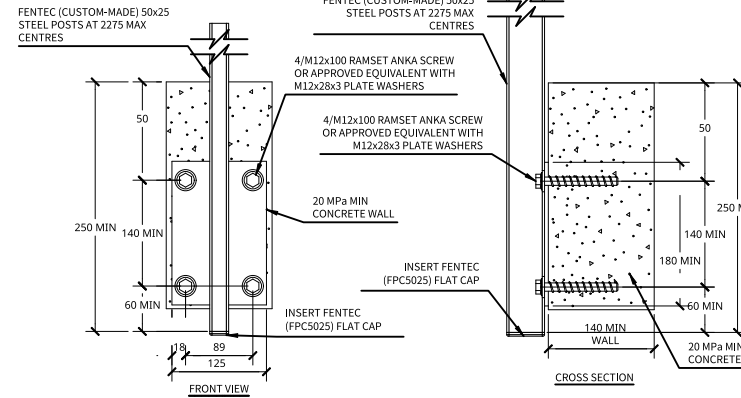
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REV.	DATE ISSUED	SHEET
A	29/01/2025	20



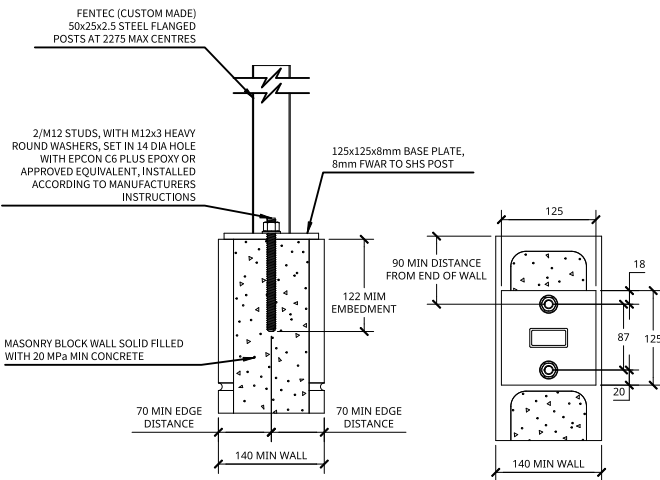
DRAWING NO: TWA527511-A
 APPLICATION: TOP-FIX TO CONCRETE WALL
 LOADING: 0.33kN POINT LOAD AT MAX 2275 POST CENTRES
 LOADING: 0.35kN/m AT MAX 1075 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1075 POST CENTRES
 HEIGHT: 1200 ONLY



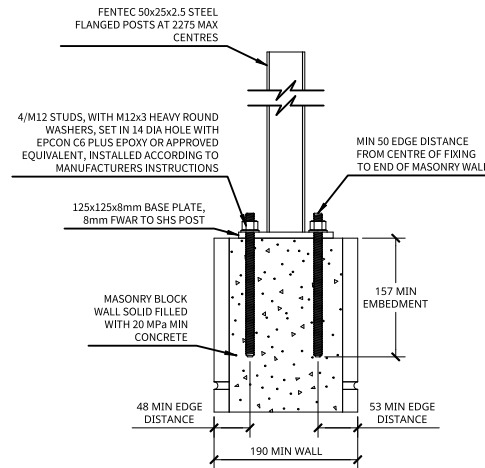
DRAWING NO: TWA527511-B
 APPLICATION: TOP-FIX TO CONCRETE WALL
 LOADING: 0.33kN POINT LOAD AT MAX 2275 POST CENTRES
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 LOADING: 0.75kN/m AT MAX 1075 POST CENTRES
 HEIGHT: 1200 ONLY



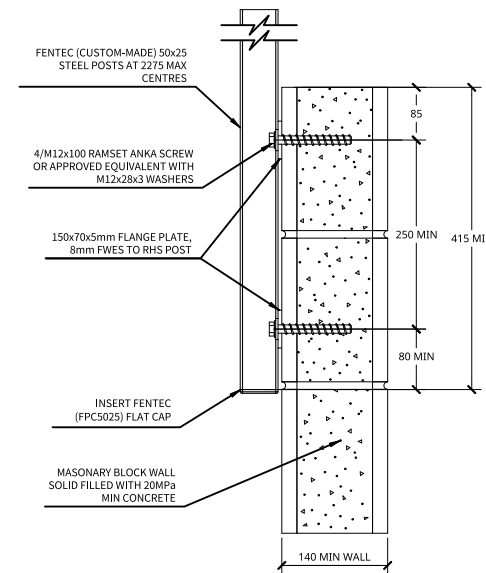
DRAWING NO: SWA527511
 APPLICATION: SIDE-FIX TO CONCRETE WALL
 LOADING: 0.33kN POINT LOAD AT MAX 2275 POST CENTRES
 LOADING: 0.35kN/m AT MAX 1075 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1075 POST CENTRES
 HEIGHT: 1200 ONLY



DRAWING NO: TMA527511-A
 APPLICATION: TOP-FIX TO MASONRY WALL (15 SERIES)
 LOADING: 0.33kN POINT LOAD AT MAX 2275 POST CENTRES
 LOADING: 0.35kN/m AT MAX 1075 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1075 POST CENTRES
 HEIGHT: 1200 ONLY



DRAWING NO: TMA527511-B
 APPLICATION: TOP-FIX TO MASONRY WALL (20 SERIES)
 LOADING: 0.33kN POINT LOAD AT MAX 2275 POST CENTRES
 LOADING: 0.35kN/m AT MAX 1075 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1075 POST CENTRES
 HEIGHT: 1200 ONLY



DRAWING NO: SMA527511
 APPLICATION: SIDE-FIX TO MASONRY WALL (15 SERIES)
 LOADING: 0.33kN POINT LOAD AT MAX 2275 POST CENTRES
 LOADING: 0.35kN/m AT MAX 1075 POST CENTRES
 LOADING: 0.75kN/m AT MAX 1075 POST CENTRES
 HEIGHT: 1200 ONLY



PRODUCER STATEMENT – PS1 DESIGN

BUILDING CODE CLAUSE(S): [] **JOB NUMBER:** []

ISSUED BY: []

(Engineering Design Firm)

TO: []

(Owner/Developer)

TO BE SUPPLIED TO: []

(Building Consent Authority)

IN RESPECT OF: []

(Description of Building Work)

AT: []

(Address, Town/City)

LEGAL DESCRIPTION: [] **N/A**

We have been engaged by the owner/developer referred to above to provide *(Extent of Engagement):* []

in respect of the requirements of the Clause(s) of the Building Code specified above for Choose an item., as specified in the Schedule, 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 *(Verification method/acceptable solution)* [] and/or;
- Alternative solution as per the attached Schedule.

The proposed building work covered by this producer statement is described on the drawings specified in the Schedule, together with the specification, and other documents set out in the Schedule.

On behalf of the Engineering Design Firm, and subject to:

- Site verification of the following design assumptions: []
- All proprietary products meeting their performance specification requirements;

I believe on reasonable grounds that:

- the building, if constructed in accordance with the drawings, specifications, and other documents provided or listed in the Schedule, will comply with the relevant provisions of the Building Code and that;
- the persons who have undertaken the design have the necessary competency to do so.

I recommend construction monitoring as agreed with the owner of the project

I, *(Name of Engineering Design Professional)* [] , am:

- CPEng number []
- and hold the following qualifications

The Engineering Design Firm holds a current policy of Professional Indemnity Insurance no less than \$200,000
The Engineering Design Firm Choose one a member of ACE New Zealand.

SIGNED BY *(Name of Engineering Design Professional):*
(Signature below):

ON BEHALF OF *(Engineering Design Firm):*

Date: 26/01/25 EXPIRES 25/01/26

Note: This statement has been prepared solely for the Building Consent Authority named above and shall not be relied upon by any other person or entity. Any liability in relation to this statement accrues to the Engineering Design Firm only. As a condition of reliance on this statement, the Building Consent Authority accepts that the total maximum amount of liability of any kind arising from this statement and all other statements provided to the Building Consent Authority in relation to this building work, whether in tort or otherwise, 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.

SCHEDULE to PS1

Please include an itemised list of all referenced documents, drawings, or other supporting materials in relation to this producer statement below:

GUIDANCE ON USE OF PRODUCER STATEMENTS

Information on the use of Producer Statements and Construction Monitoring Guidelines can be found on the Engineering New Zealand website

<https://www.engineeringnz.org/engineer-tools/engineering-documents/producer-statements/>

Producer statements were first introduced with the Building Act 1991. The producer statements were developed by a combined task committee consisting of members of the New Zealand Institute of Architects (NZIA), Institution of Professional Engineers New Zealand (now Engineering New Zealand), Association of Consulting and Engineering New Zealand (ACE NZ) in consultation with the Building Officials Institute of New Zealand (BOINZ). The original suite of producer statements has been revised at the date of this form to ensure standard use within the industry.

The producer statement system is intended to provide Building Consent Authorities (BCAs) with part of the reasonable grounds necessary for the issue of a Building Consent or a Code Compliance Certificate, without necessarily having to duplicate review of design or construction monitoring undertaken by others.

PS1 DESIGN Intended for use by a suitably qualified independent engineering design professional in circumstances where the BCA accepts a producer statement for establishing reasonable grounds to issue a Building Consent;

PS2 DESIGN REVIEW Intended for use by a suitably qualified independent engineering design review professional where the BCA accepts an independent design professional's review as the basis for establishing reasonable grounds to issue a Building Consent;

PS3 CONSTRUCTION Forms commonly used as a certificate of completion of building work are Schedule 6 of NZS 3910:2013 or Schedules E1/E2 of NZIA's SCC 2011²

PS4 CONSTRUCTION REVIEW Intended for use by a suitably qualified independent engineering construction monitoring professional who either undertakes or supervises construction monitoring of the building works where the BCA requests a producer statement prior to issuing a Code Compliance Certificate.

This must be accompanied by a statement of completion of building work (Schedule 6).

The following guidelines are provided by ACE New Zealand and Engineering New Zealand to interpret the Producer Statement.

Competence of Engineering Professional

This statement is made by an engineering firm that has undertaken a contract of services for the services named, and is signed by a person authorised by that firm to verify the processes within the firm and competence of its personnel.

The person signing the Producer Statement on behalf of the engineering firm will have a professional qualification and proven current competence through registration on a national competence-based register such as a Chartered Professional Engineer (CPEng).

Membership of a professional body, such as Engineering New Zealand provides additional assurance of the designer's standing within the profession. If the engineering firm is a member of ACE New Zealand, this provides additional assurance about the standing of the firm.

Persons or firms meeting these criteria satisfy the term "suitably qualified independent engineering professional".

Professional Indemnity Insurance

As part of membership requirements, ACE New Zealand requires all member firms to hold Professional Indemnity Insurance to a minimum level.

The PI Insurance minimum stated on the front of this form reflects standard practice for the relationship between the BCA and the engineering firm.

Professional Services during Construction Phase

There are several levels of service that an engineering firm may provide during the construction phase of a project (CM1-CM5 for engineers³). The building Consent Authority is encouraged to require that the service to be provided by the engineering firm is appropriate for the project concerned.

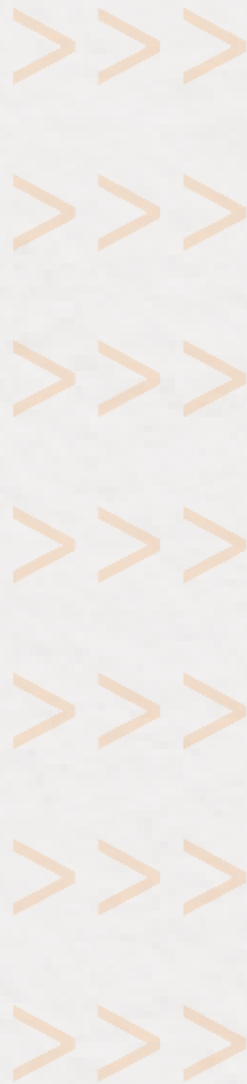
Requirement to provide Producer Statement PS4

Building Consent Authorities should ensure that the applicant is aware of any requirement for producer statements for the construction phase of building work at the time the building consent is issued as no design professional should be expected to provide a producer statement unless such a requirement forms part of the Design Firm's engagement.

Refer Also:

- 1 Conditions of Contract for Building & Civil Engineering Construction NZS 3910: 2013
- 2 NZIA Standard Conditions of Contract SCC 2011
- 3 Guideline on the Briefing & Engagement for Consulting Engineering Services (ACE New Zealand/Engineering New Zealand 2004)
- 4 PN01 Guidelines on Producer Statements

www.acenz.org.nz
www.engineeringnz.org



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sales@fentec.co.nz

