

ColourPanel PS1

Rev: 2.0

Issue Date: 04/02/2025

Application

Engineering specifications & installation details for compliance with NZBC B1, F4 & F9

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 Boundaryline 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 Boundaryline to discuss a custom-engineered solution that will meet your requirements.

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

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 and terraces, e.g., walkways, stairs and landings, and 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 and landings	0.35kN/m	1.1m
B & E - Offices & work areas including storage	F4	Areas including balconies, decks and 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 and landings, balconeis, decks and terraces not susceptible to overcrowding, including parks and reserves	0.75kN/m	1.1m
Table 1 - Barrier Loading Sele	ction			

Wind Zones.

There are five main Wind Zones in New Zealand: Low, Medium, High, Very High, and Extra High. All details in this Producer Statement have been engineered to high wind zone. If your property falls into a higher wind zone, please contact Boundaryline to discuss a custom-engineered solution to meet your requirements.

To identify the wind zone at your site location, search for BRANZ Maps, turn on the 'Wind Regions' layer, and search your site address. If it is unclear what wind zone applies to your site, please contact your engineer to calculate the wind zone for your property.

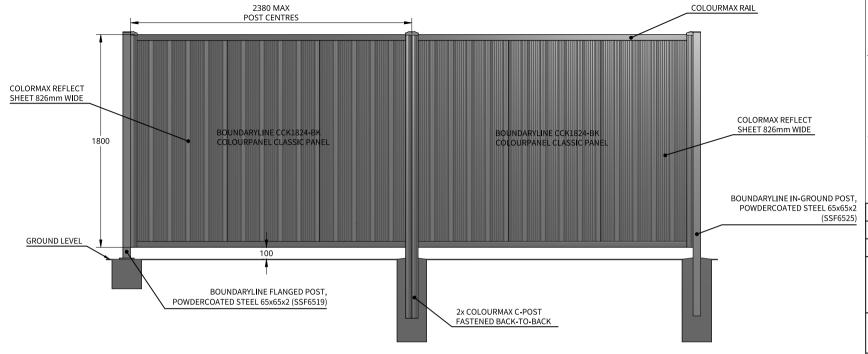
For properties that fall into a high or very high wind zone, but are in a built-up area, it may be beneficial to engage a Professional Engineer to calculate the specific wind zone for your site, as terrain and adjacent structures can impact the wind zone applicable to your particular site. A means of determining the wind zone for a specific location is in detailed in NZS 3604:2011.

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.

Zone	Risk level & location	Fixing type
Zone B	Low risk	Hot dip galvinised
Zone C	Medium risk	Hot dip galvinised
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
Table 2 -	Fixing Types	

BOUNDARYLINE COLOURPANEL CLASSIC PANEL -CODE: CCK1824-BK, COLOURPANEL CLASSIC FENCE PANEL



COLOURPANEL CLASSIC 1800 High - CCK1824-BK

Panel Type F4 - 0.35kN/m F4 - 0.75kN/m F4 - 0.35kN/m F4 - 0.75kN/m F4 - 0.35kN/m F4 - 0.75kN/m Loadings F9 (Pool Fence) F9 (Pool Fence) F9 (Pool Fence) (Fall Restraint) (Fall Restraint) (Fall Restraint) (Fall Restraint) (Fall Restraint) (Fall Restraint) **Max Post Centres** 2380mm 2380mm 2380mm 2380mm 2380mm 2380mm 2380mm 2380mm 2380mm **In-Ground Post Options** REFER TO APPLICABLE APPLICABLE APPLICABLE APPLICABLE APPLICABLE APPLICABLE APPLICABLE APPLICABLE APPLICABLE Flanged Post Options FIXING DETAILS **Maximum Wind Loading** HIGH HIGH HIGH HIGH HIGH HIGH HIGH HIGH HIGH CTS657501 CTS657501 CTS657501 CTS657501 CTS657501 CTS657501 CTS657501 CTS657501 CTS657501 CTS657502 CTS657502 CTS657502 CTS657502 CTS657502 CTS657502 CTS657502 CTS657502 CTS657502 Applicable Fixing CTS657503 CTS657503 CTS657503 CTS657503 CTS657503 CTS657503 CTS657503 CTS657503 CTS657503 Details CTS657504 CTS657504 CTS657504 CTS657504 CTS657504 CTS657504 CTS657504 CTS657504 CTS657504 CTS657505 CTS657505 CTS657505 CTS657505 CTS657505 CTS657505 CTS657505 CTS657505 CTS657505

COLOURPANEL CLASSIC 1500 High - CCK1524-BK

COLOURPANEL CLASSIC 1200 High - CCK1224-BK

DESIGN ENGINEER

The structural elements designated *
on this drawing have been designed by



Job No. #2410171

Date 28/02/2025

igned 🔼

General Notes

1. All dimensions are in millimetres.

- 2. Drawings are not necessarily to scale
- 3. Check www.boundaryline.co.nz to ensure you have the most recent edition of this publication.

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.

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 appropiate 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 Sturcture

- 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.



Terranota Ltd. P.O. Box 1703 Invercargill 1703 Telephone: 0800 003 006 Fax: 03 215 8248

Email: enquiries@boundaryline.co.nz

Website: www.boundaryline.co.nz

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TITLE

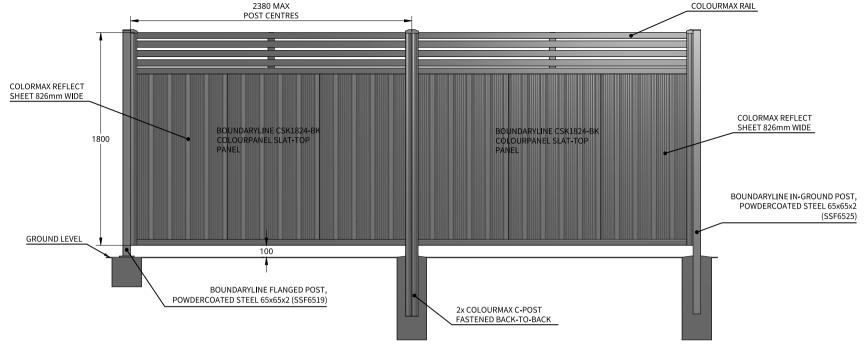
BOUNDARYLINE COLOURPANEL CLASSIC CODE: CCK1824-BK

SCALE		SIZE	DRAWING NO	
1:32	2	A4	CCP01	
REV.	DATE IS	SUED	SHEET	

4/02/2025

IMPORTANT: THIS DESIGN AND ASSOCIATED DESIGN PRODUCER STATEMENTS ARE ONLY RELEVENT FOR PROPRIETARY BOUNDARYLINE PRODUCTS; ANY PRODUCT SUBSTITUTIONS WILL INVALIDATE THE PRODUCER STATMENT

BOUNDARYLINE COLOURPANEL SLAT-TOP PANEL -CODE: CSK1824-BK, COLOURPANEL SLAT-TOP FENCE PANEL



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Job No. #2410171

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Zone	Risk Level & Location	Fixing Type
Zone B	Low risk	Hot-dip Galvanised
Zone C	Medium risk	Hot-dip Galvanised
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TITLE

BOUNDARYLINE COLOURPANEL SLAT-TOP CODE: CSK1824-BK

SCALE		SIZE	DF	RAWING NO
1:3	2	A4		CSP01
REV.	DATE IS	SUED		SHEET
A	4	/02/2025		5



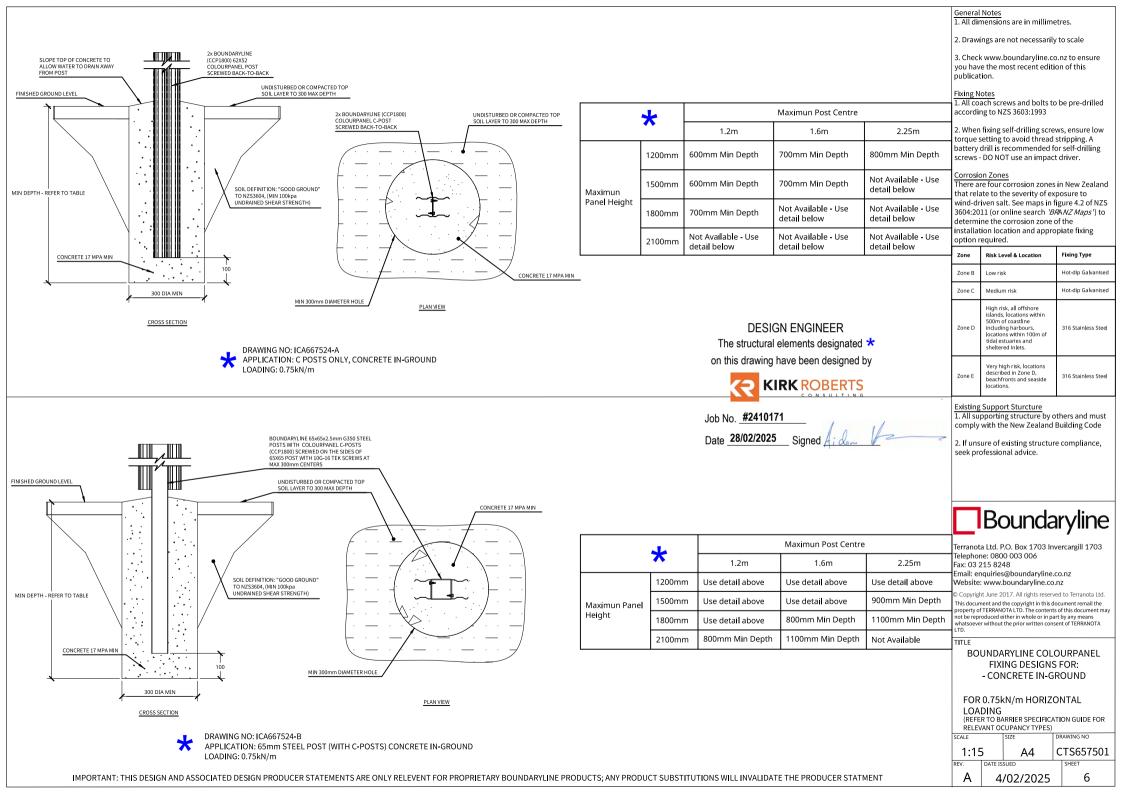
Date 28/02/2025

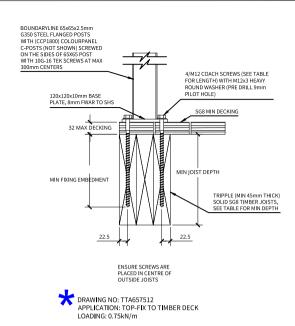
F4 - 0.35kN/m F4 - 0.75kN/m F4 - 0.35kN/m F4 - 0.75kN/m Loadings F9 (Pool Fence) F9 (Pool Fence) (Fall Restraint) (Fall Restraint) (Fall Restraint) (Fall Restraint) **Max Post Centres** 2380mm 2380mm 2380mm 2380mm 2380mm 2380mm **In-Ground Post Options** REFER TO REFER TO REFER TO REFER TO REFER TO REFER TO APPLICABLE APPLICABLE APPLICABLE **APPLICABLE** APPLICABLE **APPLICABLE** Flanged Post Options FIXING DETAILS FIXING DETAILS FIXING DETAILS FIXING DETAILS FIXING DETAILS FIXING DETAILS **Maximum Wind Loading** HIGH HIGH HIGH HIGH HIGH HIGH CTS657501 CTS657501 CTS657501 CTS657501 CTS657501 CTS657501 CTS657502 CTS657502 CTS657502 CTS657502 CTS657502 CTS657502 **Applicable Fixing** CTS657503 CTS657503 CTS657503 CTS657503 CTS657503 CTS657503 Details CTS657504 CTS657504 CTS657504 CTS657504 CTS657504 CTS657504 CTS657505 CTS657505 CTS657505 CTS657505 CTS657505 CTS657505

COLOURPANEL SLAT-TOP 1500 High - CSK1524-BK

Panel Type

COLOURPANEL SLAT-TOP 1800 High - CSK1824-BK





Maximum Post Cent		Maximum Post Centre			otes ach screws and bolts to ng to NZS 3603:1993	be pre-drilled	
		1.2m 1.6m 2.25m		When fixing self-drilling screws, ensure low torque setting to avoid thread stripping. A			
	1200mm	Min joist depth: 190mm	Min joist depth: 240mm	Min joist depth: 360mm*	battery	drill is recommended for the second control of the second control	or self-drilling
	1200/11/11	Min fixing embedment: 160mm	Min fixing embedment: 220mm	Min fixing embedment: 310mm	Corrosion Zones		curiver.
Panel Height	4500	Min joist depth: 240mm	Min joist depth: 360mm*	No. of the	There are four corrosion zones in New Zeal that relate to the severity of exposure to wind-driven salt. See maps in figure 4.2 of 3604:2011 (or online search 'BRANZ Maps' determine the corrosion zone of the installation location and appropiate fixing		
Panel Height	1500mm	Min fixing embedment: 220mm	Min fixing embedment: 310mm	Not available			igure 4.2 of NZS
	4000	Min joist depth: 360mm*	N				
1800mm	1800mm	Min fixing embedment: 310mm	Not available	Not available	option	equired.	
*LVL (LAMINATED) TIMBER BEAM REQUIRED				Zone	Risk Level & Location	Fixing Type	
	"LVL (LAWINATED) TIMBER BEAM REQUIRED				Zone B	Low risk	Hot-dip Galvanised

DESIGN ENGINEER

The structural elements designated * on this drawing have been designed by



Job No. #2410171

Date 28/02/2025

locations. **Existing Support Sturcture**

Medium risk

High risk, all offshore

islands, locations within 500m of coastline

including harbours, locations within 100m of

Very high risk, locations described in Zone D, beachfronts and seaside

tidal estuaries and sheltered inlets.

General Notes

publication.

Zone C

1. All dimensions are in millimetres.

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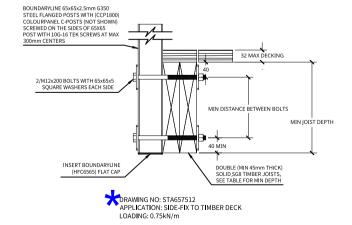
1. All supporting structure by others and must comply with the New Zealand Building Code

Hot-dip Galvanised

316 Stainless Steel

316 Stainless Steel

2. If unsure of existing structure compliance, seek professional advice.



			Maximum Post Centre		
	*	1.2m	1.6m	2.25m	
	4200	Min joist depth: 240mm	Min joist depth: 240mm	Min joist depth: 290mm	Terra Teler
_	1200mm M	Min distance between bolts: 160mm	Min distance between bolts: 160mm	Min distance between bolts: 180mm	Fax: Emai
	1500mm	Min joist depth: 240mm	Min joist depth: 240mm	Min joist depth: 360mm*	Web © Co
	1500mm	Min distance between bolts: 160mm	Min distance between bolts: 160mm	Min Distance between bolts: 270mm	This o
	1800	Min joist depth: 290mm	Min joist depth: 360mm*	Niet eusilehle	not be whats LTD.
	1800mm	Min distance between bolts: 180mm	Min distance between bolts: 270mm	Not available	TITL
		•	*LVL (LAMINATED) TIMBER BEAM REQUIRED	BO FIX

Boundaryline nota Ltd. P.O. Box 1703 Invercargill 1703 hone: 0800 003 006 03 215 8248

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Α

UNDARYLINE COLOURPANEL ING DESIGNS FOR:

- TIMBER DECK

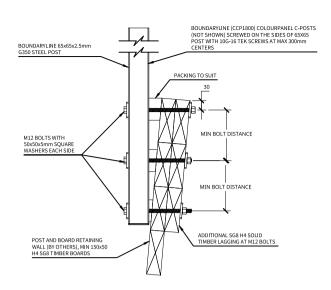
FOR 0.75kN/m HORIZONTAL LOADING (REFER TO BARRIER SPECIFICATION GUIDE FOR RELEVANT OCCUPANCY TYPES)

SCALE 1:10 **A4**

CTS657503

IMPORTANT: THIS DESIGN AND ASSOCIATED DESIGN PRODUCER STATEMENTS ARE ONLY RELEVENT FOR PROPRIETARY BOUNDARYLINE PRODUCTS; ANY PRODUCT SUBSTITUTIONS WILL INVALIDATE THE PRODUCER STATMENT

4/02/2025



TRAWING NO: SRS657524-A

APPLICATION: SIDE-FIX (BOLTED) TO TIMBER RETAINING WALL (POSTS
ON OUTSIDE OF RETAINING WALL)
LOADING: 0.75kN/m

BOUNDARYLINE 65x65x2.5mm G350 STEEL POST	BOUNDARYLINE (CCP1800) COLOURPANEL C-POSTS (NOT SHOWN) SCREWED ON THE SIDES OF 65X65 POST WITH 10G-16 TEK SCREWS AT MAX 300mm CENTERS
M12 COACH SCREWS WITH 50x50x5mm SQUARE WASHERS EACH SIDE, MIN 90mm EMBEDMENT INTO LAGGINGS	MIN COACH SCREW DISTANCE MIN COACH SCREW DISTANCE ADDITIONAL SGR H4 SOLID
POST AND BOARD RETAINING WALL (BY OTHERS), MIN 150x50 H4 SG8 TIMBER BOARDS	TIMBER LAGGING AT M12 BOLTS

DRAWING NO: SRS657524-B
APPLICATION: SIDE-FIX (COACH SCREWED) TO TIMBER RETAINING
WALL (POSTS ON OUTSIDE OF RETAINING WALL)
LOADING: 0.75kN/m

*		Maximum Post Centre			Fixing Notes 1. All coach screws and bolts to be pre-drilled according to NZS 3603:1993		
		1.2m	1.6m	2.25m	2. When fixing self-drilling screws, ensure low		
Panel Height	1200mm	Min bolt distance: 60mm	Min bolt distance: 90mm	Min bolt distance: 120mm	torque setting to avoid thread stripping. A battery drill is recommended for self-drilling		
	1500mm	Min bolt distance: 90mm	Min bolt distance: 120mm	Min bolt distance: 160mm	screws - DO NOT use an impact driver.		
ranerrieignt	1800mm	Min bolt distance: 120mm	Min bolt distance: 160mm	Min bolt distance: 230mm	Corrosion Zones There are four corrosion zones in New Zealand		
	2100mm	Min bolt distance: 160mm	Min bolt distance: 230mm	Min bolt distance: 320mm	that relate to the severity of exposure to wind-driven salt. See maps in figure 4.2 of NZS		
	_		<u> </u>	<u> </u>	3604:2011 (or online search 'BRANZ Maps') to		

DESIGN ENGINEER

The structural elements designated * on this drawing have been designed by



Job No. #2410171

Date 28/02/2025

Signed

locations.

Existing Support Sturcture

General Notes

publication.

All dimensions are in millimetres.
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3. Check www.boundaryline.co.nz to ensure

you have the most recent edition of this

determine the corrosion zone of the installation location and appropriate fixing

Risk Level & Location

High risk, all offshore islands, locations within 500m of coastline

including harbours, locations within 100m of

Very high risk, locations described in Zone D, beachfronts and seaside

tidal estuaries and sheltered inlets.

Medium risk

Fixing Type

Hot-dip Galvanised

Hot-dip Galvanised

316 Stainless Steel

316 Stainless Steel

option required.

Zone

Zone B

Zone C

1. All supporting structure by others and must comply with the New Zealand Building Code

2. If unsure of existing structure compliance, seek professional advice.

*			Maximum Post Centre				
		1.2m	1.6m	2.25m	Γ		
	1200mm	Min coach screw distance: 140mm	Min coach screw distance: 180mm	Min coach screw distance: 240mm	Te		
Panel Height	1500mm	Min coach screw distance: 180mm	Min coach screw distance: 240mm	Not available	Te Fa Er		
	1800mm	Min coach screw distance: 240mm	Not available	Not available	O I		

Boundaryline

Terranota Ltd. P.O. Box 1703 Invercargill 1703 Telephone: 0800 003 006 Fax: 03 215 8248 Email: enquiries@boundaryline.co.nz

Vebsite: www.boundaryline.co.nz

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TITLE

Α

BOUNDARYLINE COLOURPANEL FIXING DESIGNS FOR: - TIMBER RETAINING WALL

FOR 0.75kN/m HORIZONTAL LOADING

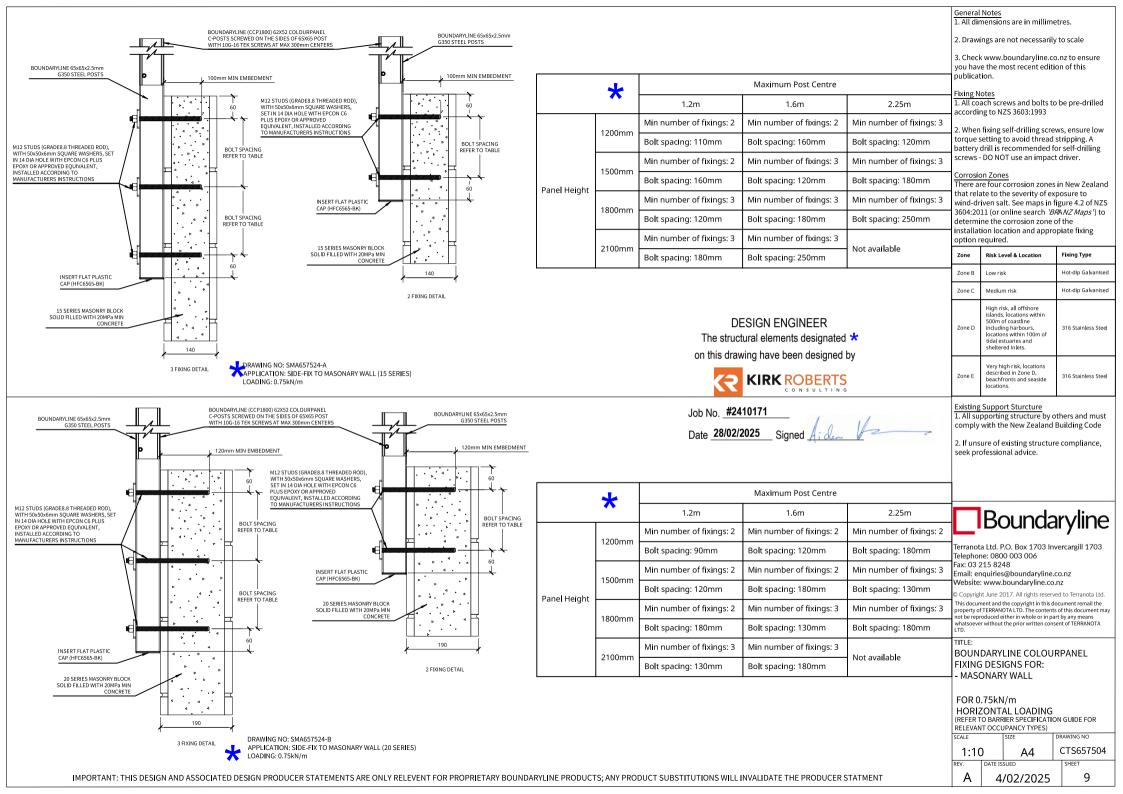
(REFER TO BARRIER SPECIFICATION GUIDE FOR RELEVANT OCUPANCY TYPES)

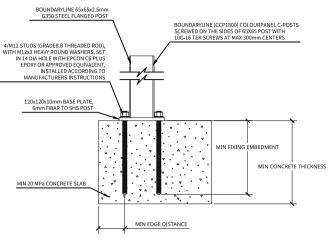
1:12 | SIZE | DRAWING NO | CTS657503

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4/02/2025

8





DRAWING NO: TDA657524	
✓ APPLICATION: TOP-FIX TO CONCRETE DEC	`K

LOADING: 0.75kN/m

Maximum Post Centre					you have the most recent edition of this publication.		
*	1.2m	1.6m	2.25m	1. All coach screws and bolts to be pre-drilled according to NZS 3603:1993			
1200mm	Min concrete thickness: 150mm	Min concrete thickness: 220mm	Min concrete thickness: 300mm	2. When fixing self-drilling screws, ensure low			
	Min fixing embedment: 120mm	Min fixing embedment: 190mm	Min fixing embedment: 190mm	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			
	Min edge distance: 55mm	Min edge distance: 70mm	Min edge distance: 120mm				
1500mm	Min concrete thickness: 220mm	Min concrete thickness: 300mm	Min concrete thickness: 300mm				
	Min fixing embedment: 190mm	Min fixing embedment: 190mm	Min fixing embedment: 190mm	3604:2011 (or online search 'BRANZ Maps') to determine the corrosion zone of the installation location and appropriate fixing option required.			
	Min edge distance: 70mm	Min edge distance: 120mm	Min edge distance: 210mm				
				Zone	Risk Level & Location	Fixing Type	
1800mm	Min concrete thickness: 300mm	Min concrete thickness: 300mm	Not available	Zone B	Low risk	Hot-dip Galvanised	
	Min fixing embedment: 190mm	Min fixing embedment: 190mm		Zone C	Medium risk	Hot-dip Galvanised	
	Min edge distance: 120mm	Min edge distance: 210mm			High risk, all offshore islands, locations within		
	1500mm	1.2m Min concrete thickness: 150mm Min fixing embedment: 120mm Min edge distance: 55mm Min concrete thickness: 220mm Min fixing embedment: 190mm Min edge distance: 70mm Min concrete thickness: 300mm Min fixing embedment: 190mm Min fixing embedment: 190mm	1.2m 1.6m Min concrete thickness: 150mm Min concrete thickness: 220mm Min fixing embedment: 120mm Min fixing embedment: 190mm Min edge distance: 55mm Min edge distance: 70mm Min concrete thickness: 220mm Min concrete thickness: 300mm Min fixing embedment: 190mm Min fixing embedment: 190mm Min edge distance: 70mm Min edge distance: 120mm Min concrete thickness: 300mm Min concrete thickness: 300mm Min fixing embedment: 190mm Min fixing embedment: 190mm	1.2m 1.6m 2.25m Min concrete thickness: 150mm Min concrete thickness: 220mm Min concrete thickness: 300mm Min fixing embedment: 120mm Min fixing embedment: 190mm Min fixing embedment: 190mm Min edge distance: 55mm Min edge distance: 70mm Min edge distance: 120mm Min concrete thickness: 220mm Min concrete thickness: 300mm Min concrete thickness: 300mm Min fixing embedment: 190mm Min fixing embedment: 190mm Min fixing embedment: 190mm Min edge distance: 70mm Min edge distance: 210mm Min concrete thickness: 300mm Min concrete thickness: 300mm Min concrete thickness: 300mm Min concrete thickness: 300mm Min fixing embedment: 190mm Min fixing embedment: 190mm Min fixing embedment: 190mm Min fixing embedment: 190mm Min fixing embedment: 190mm Min fixing embedment: 190mm Min fixing embedment: 190mm Min fixing embedment: 190mm	Maximum Post Centre Maximum Post Centre	Maximum Post Centre Sking Notes Sking	

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316 Stainless Steel

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TITLE:

BOUNDARYLINE SMARTWALL FIXING DESIGNS FOR:

- CONCRETE DECK

FOR 0.75kN/m HORIZONTAL LOADING (REFER TO BARRIER SPECIFICATION GUIDE FOR

RELEVANT OCCUPANCY TYPES) SCALE CTS657505

1:10 **A4**

Α 4/02/2025 10







Building Code Clause(s) B1

PRODUCER STATEMENT - PS1 - DESIGN

Guidance on use of Producer Statements is available at www.engineeringnz.org)

ISSUE:A

(
ISSUED BY:	Kirk Roberts Consulting Engineers Ltd. (Design Firm)	PROJECT NO:2410171	
TO:	Boundaryline		
TO BE CUIDBUIED TO:	(Owner/Developer)		
TO BE SUPPLIED TO:	Various councils across New Zealand (Building Consent Authority)		
IN RESPECT OF:	Boundaryline ColourPanel (Description of Building Work)		
AT:Various locations across New Zealand (Address, Town/City)			
We have been engaged by the client rerequirements of Clause(s) B1/VM1, B1/VI	ferred to above to provide Structural Engineerin //4 of the Building Code for;	g Design services in respect of the	
Colour panel wall fixing (items designat Roberts drawings dated 28/02/25	ed (*) only as shown on the attached drawings	, countersigned by myself and Kirk	
All \square or Part only \boxtimes (as specified in the	attachment to this statement), of the proposed l	ouilding work.	
The design carried out by us has been pre	pared in accordance with:		
☑ Compliance Documents issued by the	Ministry of Business, Innovation & Employment	B1/VM1, B1/VM4 and/or (verification method / acceptable solution)	
Alternative solution as per the attached	ed schedule		
	nis producer statement is described in the drawin set out in Schedule 1 attached to this statemen	• .	
On behalf of the Engineering Design Firm	, and subject to:		

- (i) Site verification of the following design assumptions
 - An ultimate foundation bearing capacity of 300 kPa in accordance with NZS 3604:2011
- (ii) All proprietary products meeting their performance specification requirements;
- (iii) Unless specifically noted, compliance of the drawings to Non Specific codes such as NZS 3604 and NZS 4229 have not been checked by this practice;
- (iv) Structural design loads are based on a 50 year design life and Importance Level 2 structure (normal structures and structures not in other importance levels) as defined in AS/NZS 1170.0 2004 clause 3.3
- (v) Design for up to high wind zone areas in accordance with NZS 3604.
- (vi) This certificate does not cover weather-tightness;
- (vii) This Producer Statement Design is valid for a building consent issued within 1 year from the date of issue;

I believe on reasonable grounds that a) the building, if constructed in accordance with the drawings, specifications, and other documents provided or listed in Schedule 1, will comply with the relevant provisions of the Building Code specified above; 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:

(Refer note above)

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

I, Aidan Hynes

CPEng number **1150262**

and hold the following qualifications: B.E.(Hons), CMEngNZ, CPEng

The Engineering 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: Aidan Hynes

(Signature) Date: 28/02/2025

ON BEHALF OF: Kirk Roberts Consulting Engineers Ltd.

(Design Firm)

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 1 ISSUE:A

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

Engineering Calculations titled; Boundaryline ColourPanel Kirk Roberts project number 2410171

Architectural drawings titled; Boundaryline ColourPanel and countersigned with Kirk Roberts project number 2410171

Limited Scope of Engagement

We have been engaged by **Boundaryline** referred to above to provide services in respect of the requirements of the Clause(s) **B1/VM1**, **B1/VM4** of the Building Code specified above for the following parts of the proposed building work:

Colour panel wall fixing (items designated (*) only as shown on the attached drawings, countersigned by myself and Kirk Roberts drawings dated 28/02/25

Verification Method References

The design carried out by us has been prepared in accordance with: AS/NZS 1170 Structural Design Actions
NZS 3101 Part 1 2006 Concrete Structures Standard
NZS 3404L Part 1 1997 Steel Structures Standard
NZS_3603.1993 Timber Structures Standard
B1 building code guidance on barrier design







CONSTRUCTION MONITORING SCHEDULE

ISSUE:A

Schedule of monitoring for:

AT: Various locations across New Zealand

(Address, Town/City)

SO

We confirm that Kirk Roberts Consulting Engineers Ltd have been engaged to undertake construction monitoring of the specific engineering design items to an Engineering New Zealand/ACENZ **CM3** level and propose that at least the following site monitoring is undertaken:

	Item of monitoring	Timeframe requirement	To be monitored by
1.	Steel post fixings	Following installation prior to closing in while all	Authority
		connections are clearly visible	Council

Notes:

- a) The above items of monitoring are the minimum required to enable Kirk Roberts Consulting Engineers Ltd to issue a PS4 Producer Statement Construction Review for the specific engineering design items.
- b) The above items of monitoring do not cover work constructed in accordance with NZS 3604:2011, for which monitoring is to be undertaken by the Building Consent Authority.
- c) The Contractor/Builder is to provide Kirk Roberts Consulting Engineers Ltd at least 48 hours' notice of the requirement for monitoring. The above timeframes are indicative, the Engineer and Contractor are to agree the timing of monitoring prior to work commencing on site.
- d) A copy of this monitoring schedule is to be held on site during the works, and the Contractor/Builder is to provide reasonable and safe access to enable works to be monitored according to the schedule.
- e) The above schedule does not necessarily represent the actual number of monitoring inspections to be undertaken. The number of inspections will depend on the construction method, sequence of the works and whether or not unforeseen conditions or difficulties are encountered on site.



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