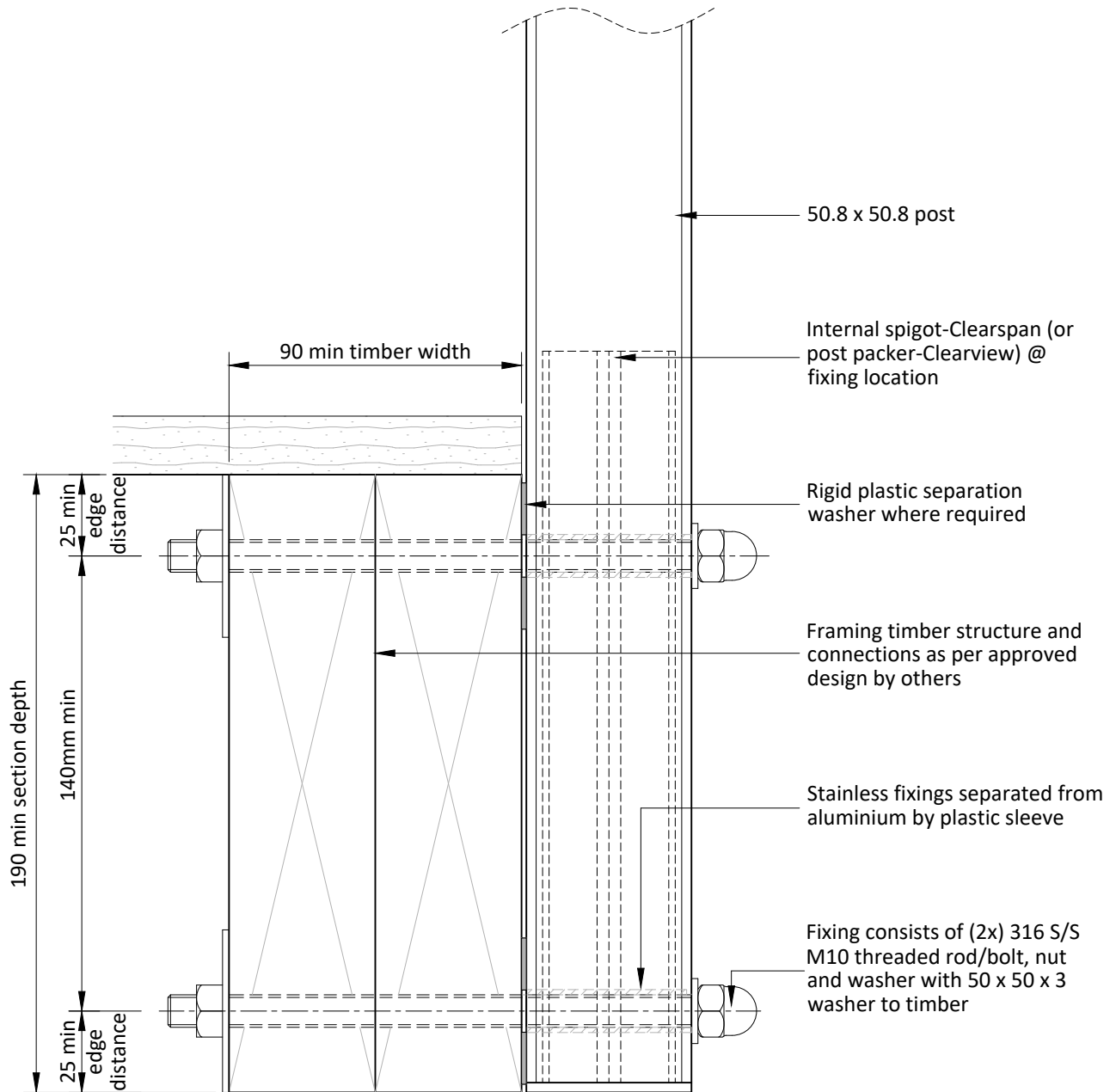


CLEARSPAN or CLEARVIEW FACE FIXED TO TIMBER - BOLT THROUGH



		Leverage height <u>max</u> (distance from top of handrail to centreline of the upper fixing)								
		0.95m	1.00m	1.05m	1.10m	1.15m	1.20m	1.25m	1.30m	1.35m
Glass or Solid infill (Vista, Classic, Clearview)	Up to very high wind zone (50m/s)	1.40m	1.40m	1.35m	1.30m	1.20m	1.15m	1.05m	0.95m	0.85m
	Extra high wind zone (55m/s)	1.40m	1.40m	1.33m	1.21m	1.11m	1.02m	0.90m	0.78m	0.68m
35% max closed area (Settler, Heritage, Face hung fin)	All wind zones (up to 55m/s)	1.40m	1.40m	1.35m	1.30m	1.20m	1.15m	1.05m	0.95m	0.85m

- Applicable to occupancy types A, B, C3 & E.
- This fixing detail PS1 should be used in conjunction with the appropriate system PS1.
- This is a balustrade connection detail. Deck design, construction and water-proofing is the responsibility of others. For all other applications or non-standard or site specific connections not covered under the standard detail manual please contact Spectrum.

Building Code Clause(s) **B1 Structure**

PRODUCER STATEMENT – PS1 – DESIGN

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

ISSUED BY: BCD Group Ltd
(Design Firm)

TO: Spectrum Aluminium
(Owner/Developer)

TO BE SUPPLIED TO: Relevant Local Territorial Authority
(Building Consent Authority)

IN RESPECT OF: BALUSTRADE SYSTEM – BL 3.1.2 Rev D 31.8.21
(Description of Building Work)

AT: Nationwide
(Address)

Town/City: N/A LOT N/A DP N/A SO N/A
(Address)

We have been engaged by the owner/developer referred to above to provide:
Design Services of Structural Engineering

(Extent of Engagement)

services in respect of the requirements of Clause(s) **B1 Structure** 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 AS/NZS1664.1:1997 (aluminium)
(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:

Clearspan or Clearview Face Fixed to Timber Bolt Through and numbered BL 3.1.2 Rev D 31.8.21
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 Substrate fixings to be confirmed by Chartered Professional Engineer.
(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, Samuel Graham Simpston am: ☒ CPEng 1021483 # ☐ Reg Arch #
(Name of Design Professional)

I am a member of: ☒ Engineering New Zealand ☐ NZIA and hold the following qualifications: CPEng, IntPE(NZ), MEng (Civil) Hons, CMEngNZ,

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 Samuel Graham Simpston (Signature)
(Name of Design Professional)

ON BEHALF OF BCD Group Ltd Date 21-09-2021
(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.
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