



### PRODUCER STATEMENT – PS1 – DESIGN

(Guidance on use of Producer Statements (formerly page 2) is available at [www.engineeringnz.org](http://www.engineeringnz.org))

ISSUED BY: HD Structural Engineers  
 (Design Firm)

TO: ACMF  
 (Owner/Developer)

TO BE SUPPLIED TO: New Zealand Consenting Authority  
 (Building Consent Authority)

IN RESPECT OF: Elegra Pioneer Framed Elegra Aurora Semi-frameless Balustrade System Fixings Only  
 (Description of Building Work)

AT: Varies  
 (Address)

Town/City: ..... LOT ..... DP ..... SO .....

(Address)

We have been engaged by the owner/developer referred to above to provide:  
 Elegra Pioneer Framed Elegra Aurora Semi-frameless Balustrade System Fixings  
 Only

(Extent of Engagement)

services in respect of the requirements of Clause(s) B1, B2\*\* of the Building Code for:

All or  Part only (as specified in the attachment to this statement), of the proposed building work.

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

- Compliance Documents issued by the Ministry of Business, Innovation & Employment B1/VM1, B2, F2/AS1, F4/AS1 or (verification method/acceptable solution)
- Alternative solution as per the attached calculations Ref. 0672 .....

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

Balustrade system fixing ..... and numbered 1 to 26  
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:

Installed in accordance with the relevant Installation Brochure, Aluminum supplied meets AS/NZS1664-1997, products meeting required specifications and tolerances

- (i) Site verification of the following design assumptions
- (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, Hasan Al-safi ..... am:  CPEng 1.011.174... #  Reg Arch ..... #  
(Name of Design Professional)

I am a member of:  Engineering New Zealand  NZIA and hold the following qualifications: BE (Hons), CEngNZ, CP+

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: Hasan Al-safi ..... (Signature)   
(Name of Design Professional)

ON BEHALF OF HD Structural Engineers ..... Date: 09/05/2025  
(Design Firm)

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

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

This PS1 is valid for a period of two years from the date of signature, 09/05/2025. After this period, the document shall be considered expired, and revalidation will be required for building consent approval.

B2\*\* - Refer to attached letter, clarifying the extent of PS2 B2

**To whom it may concern**

**B2 compliance in respect of the proposed additions and alterations**

The purpose of this letter is to demonstrate how compliance with Clause B2 (Durability) of the Building Code will be achieved for the above project. We can confirm that for specifically designed structural elements that are included within our design documentation:

Material	Means of compliance	Details
Reinforced concrete	B2/AS1	Concrete cover to reinforcing has been selected in accordance with NZS3101, Part 1, Section 3
Structural timber	B2/AS1	Timber treatment has been selected in accordance with Table 1A of B2/AS1
Mild steel structure	Alternative Solution	Protection for mild steel has been specified in accordance with SNZ TS 3404 – Durability requirements for steel structures and components and AS/NZS2312 – Guide to the protection of structural steel against atmospheric corrosion by the use of protective coatings. This guide works on a time to first maintenance basis and assumes on-going maintenance. Refer to the attached maintenance plan (optional but recommended).
Other		

Yours faithfully,  
**Hasan Al-safi**



For and on behalf of  
**HD Structural Engineers Ltd**

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## Structural maintenance schedule

This schedule of ongoing inspection and maintenance of structural elements shall be included with the Operations and Maintenance manuals and provided to the Owner/Body Corporate and building managers.

Inspection/maintenance timeframe and item	
Half-yearly	<p>Wash down all exposed steelwork that is not in a fully interior environment including:</p> <ul style="list-style-type: none"> <li>• Veranda steelwork</li> <li>• Steel Carpark structure (beams, columns, braces etc)</li> <li>• Deck and balcony steelwork</li> <li>• Exposed façade steelwork, both primary and secondary structure</li> <li>• Plantrooms and plenums with fresh-air intakes</li> <li>• External structural components such as Buckling Restrained Braces, Viscous Dampers, Eccentrically Braced Frames and the like</li> <li>• Sub-ground floor mild-steel structures such as beams, isolation bearings etc.</li> </ul>
(b) 5 yearly	Inspect and repair sealant that encloses structural mild-steel components and/or timber with mild-steel fixings
(c) 10 yearly	Check exposed timber fixings for corrosion, repair as required.
	Inspect/replace sealant that encloses structural mild-steel components and/or timber with mild-steel fixings. This will typically include sealants around the perimeter of precast panels. Note that 10 years is the expected useful life for many sealants
	Check exposed structural steel within plantrooms and plenums for corrosion. Repair protective coatings as required.
	Check all exposed steelwork that is not in a fully interior environment for signs of corrosion. Repair protective coatings as required.
	Audit of damage to exposed intumescent coatings. Repair as required.
(d) 25 yearly	Inspect samples of structural steel that is hidden from view but not enclosed within a vapour barrier, and repair protective coatings as necessary. A typical example is a veranda with built-in steelwork. (Such steelwork should typically have duplex protective coatings). Inspection may typically require removal of claddings and/or the drilling of holes for borescope access. Repair as required.
	Inspect all exposed, external timber. Repair as required.
	Inspect all exposed, external reinforced concrete for signs of spalling or cracking. Repair as required.
	Audit of damage to enclosed intumescent coatings. Repair as required.
Following fit-out or alterations	Audit of damage to intumescent coatings. Repair as required.
Following seismic shaking > SLS1 event	Inspections and repair as per b), c) and d) above

