

PRODUCER STATEMENT – PS1 – DESIGN

ISSUE: C

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

ISSUED BY: **KIRK ROBERTS Consulting Ltd.**
(Design Firm) PROJECT NO: 2020758

TO: **Bowers Brothers Concrete Ltd**
(Owner/Developer)

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

IN RESPECT OF: **Three-storey stack bonded brick veneer specification as per the attached documentation**
'BOWERS BRICK CLADDING SYSTEM – SPECIFICATION S3'
(Description of Building Work)

AT: **Locations throughout New Zealand**
(Address)

We have been engaged by the owner/developer referred to above to provide **Structural Engineering Design** services in respect of the requirements of Clause(s) **B1/VM1** 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** or
(verification method / acceptable solution)
- ☐ Alternative solution as per the attached schedule: **E2/AS1 Masonry**

The proposed building work covered by this producer statement is described on the attached specification titled
'BOWERS BRICK CLADDING SYSTEM – SPECIFICATION S3 revB' and dated **31st March 2021**

On behalf of the Design Firm, and subject to:

- (i) All proprietary products meeting their performance specification requirements.
- (ii) Up to 'Extra High' wind zone in accordance with NZS3604: 2011.
- (iii) Maximum site hazard factor **Z = 0.4** in accordance with NZS1170.5: 2004.
- (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) Compliance with pre-requisite documents **'BOWERS BRICK CLADDING SYSTEM – SPECIFICATION B1, S1, & S2'**
- (vi) Unless specifically noted, all structural elements must comply with the relevant New Zealand design code such as **NZS 3604, NZS 4229, NZS 2699, NZS 4210, and NZS HB 4236.**
These elements include, but are not limited to: **brick ties, mortar strength, brick strength, and bond between the brick and mortar.**
- (vii) Bowers Brothers brick products shall be manufactured to the requirements of **NZS 4455.**
- (viii) **This certificate does not cover weather-tightness, nor the stability, suitability or potential liquefaction of the site.**
- (ix) **This Producer Statement is valid for a building consent issued within 1 year from the date of issue.**
- (x) **Inspections of the building are to be undertaken by the Building Consent Authority (council).**



New Zealand
Institute of Architects
Incorporated



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: (Refer note above)

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

I, **Craig Allan Manssen** am: ☒ CPEng **161576 #**

(Name of Design Professional)

☐ Reg Arch #


I am a Member of: ☒ Engineering New Zealand ☐ NZIA and hold the following qualifications: **B.E.(Hons), CMEngNZ, CPEng**

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 **Craig Allan Manssen** ON BEHALF OF **Kirk Roberts Consulting Engineers Ltd.**

(Design Firm)

Date: **1st April 2023** (signature)..... 

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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