

PRODUCER STATEMENT – PS1 – DESIGN

(guidance notes on the use of this form are printed on page 2)

ISSUED BY: **Hutchinson Consulting Engineers Ltd**
(Design Firm)

TO: **Three Blokes Ltd**
(Owner / Developer)

TO BE SUPPLIED TO: **Auckland Council**
(Building Consent Authority)

IN RESPECT OF: **Proposed Sheds**
(Description of Building Work)

AT: **362 Matakana Valley Road, Matakana**
(Address)

LOT **Sec 1** DP **DP** SO **400726**

We have been engaged by the owner/developer referred to above to provide:
Specific Structural Design Computation services in respect of the requirements of
(Extent of Engagement)

Clause(s) **B1 (VM1) (VM4) (AS1)** of the Building Code for
☐ All ☒ Part only (as included in the Design Calculations, ref **24742**, dated **16 September 2022**),
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) B1 (AS1) B1 (VM4)**
(verification method / acceptable solution)
- ☒ Alternative solution as per the attached schedule **B2** (Refer to attached correspondence ref: L24742PS1 dated: 1 March 2023)**

The proposed building work covered by this producer statement is described on the drawings titled **Campbell Registered Architects Ltd and Hutchinson Consulting Engineers** and numbered **100-133 & SN1-S205** together with the specification, and other documents set out in the schedule attached to this statement.

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

- (i) Site verification of the following design assumptions **Ground conditions in accordance with geotechnical report by Hutchinson referenced L20145 dated 4 October 2017**
- (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 am, **Paul Andrew Jarvie CPEng #: 1018577**. I am a member of Engineering NZ and hold the following qualifications: **BE CMEngNZ (Structural) CPEng IntPE (NZ)**

The Engineering Design Firm issuing this statement holds a current policy of Professional Indemnity Insurance no less than \$200,000*. The Engineering Design Firm is a member of ACENZ ☐

SIGNED BY: **Paul Andrew Jarvie** ON BEHALF OF: **Hutchinson Consulting Engineers Ltd**
(Design Firm)

DATE: **01 March 2023** SIGNATURE: 

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.

THIS FORM AND ITS CONDITIONS ARE COPYRIGHT TO ACE NEW ZEALAND AND ENGINEERING NEW ZEALAND

** Refer to attached correspondence ref: **L24742PS1** dated: 1 March 2023 to be read in conjunction with this Producer Statement (PS1) – Design. Please note that this PS1 is not valid without attached correspondence.

GUIDANCE ON USE OF 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 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 design 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 ¹ or Schedules E1/E2 of NZIA's SCC 2011 ²
PS4 Construction	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 which a Design 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 Design 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.

Attached Particulars

Attached particulars referred to in this producer statement refer to supplementary information appended to the producer statement.

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



association of
consulting
engineering



Our Ref: L24742PS1

1 March 2023

Auckland Council
Private Bag 92300
AUCKLAND 1142

Attn: Team Leader (Building Control)

Dear Sir/Madam,

RE: PRODUCER STATEMENT – DESIGN (PS1) B2 DURABILITY COMPLIANCE

As a result of Auckland Council recently indicating that Chartered Professional Engineers could be removed from the Producer Statement Authors Register for non-compliance with the Producer Statement Policy requirements surrounding B2 Durability, we confirm the following.

This office has carried out specific engineering design of various structural elements associated with the accompanied Producer Statement Design (PS1) in accordance with the compliance documents issued by the Department of Building and Housing B1 (VM1), B1 (AS1) and B1 (VM4).

We further confirm that the material components within our design have generally been selected and specified for material durability in accordance with the following material code clauses and/or New Zealand Building Code Acceptable Solutions:

Structural Steel

Steel protections and coatings shall be in accordance with the "Guide to the Protection of Structural Steel against Atmospheric Corrosion by the Use of Protective Coatings" AS/NZS 2312:2014.

Timber

Timber treatment shall be in accordance with the approved building consent specifications provided by the architectural designer, the requirements of NZBC B2/AS1 – Table 1A, and requirements of NZS 3604:2011 / NZS 3602:2003.

Reinforced Concrete

Reinforced concrete cover shall be in accordance with NZS 3101:2006 Part 1, Section 3.

Reinforced Concrete Masonry

Reinforced concrete Masonry shall be in accordance with NZS 4230:2004, Section 4 and read in conjunction with NZS 3101:2006.

Please note that this office has not carried out any specific engineering design for material durability of any individual structural component and/or for the structure as a whole.

Our certification of the selection of material components within the design is limited to the clauses of the relevant documentation as listed above.

We trust this meets your approval.

Yours faithfully

HUTCHINSON CONSULTING ENGINEERS LTD

Prepared by

Paul Jarvie
STRUCTURAL MANAGER

Reviewed by

Ian Hutchinson
MANAGING DIRECTOR