



association of consulting and engineering

Building Code Clause(s) B1 (Structure)

PRODUCER STATEMENT – PS4 – CONSTRUCTION REVIEW

ISSUED BY: DAVID MULHOLLAND CONSULTING ENGINEER LIMITED (Construction Review Firm)

TO: Michael Hoult c/o Central Housemovers BULLS (Owner/Developer)

TO BE SUPPLIED TO: HOROWHENUA DISTRICT COUNCIL (Building Consent Authority)

IN RESPECT OF: DRIVEN TIMBER HOUSE PILES (Description of Building Work)

AT: 78 Tamatarau Road (Address)

Town/City: Palmerston North RD4 LOT DP SO (Address)

We DAVID MULHOLLAND CONSULTING ENGINEER (Construction Review Firm) have been engaged by Central House Movers Ltd

To provide CM1 CM2 CM3 CM4 CM5 (Engineering Categories) or observation as per agreement with owner/developer Michael Hoult c/o Central Housemovers BULLS

or other Construction Monitoring of the driving of the first 4 piles services (Extent of Engagement)

in respect of clause(s) B1 of the Building Code for the building work described in documents relating to Building Consent No. 2022 0237 and those relating to

Building Consent Amendment(s) Nos. issued during the course of the works. We have sighted these Building Consents and the conditions of attached to them.

Authorised instructions/variatioins(s) No. (copies attached) or by the attached Schedule have been issued during the course of the works.

On the basis of this review these review(s) and information supplied by the contractor during the course of the works and on behalf of the firm undertaking this Construction Review, I believe on reasonable grounds that All or Part only of the building works have been completed in accordance with the relevant requirements of the

Building Consent and Building Consent Amendments identified above, with respect to Clause(s) B1 of the Building Code. I also believe on reasonable grounds that the persons who have undertaken this construction review have the necessary competency to do so.

I, DAVID MULHOLLAND am: CPEng.# 41430 (Name of Construction Review Professional)

I am a member of: Engineering New Zealand and hold the following qualifications BE(Hons), CMEngNZ, CPEng

The Construction Review Firm issuing this statement holds a current policy of Professional Indemnity Insurance no less than \$200,000*.

The Construction Review Firm is a member of ACE New Zealand:

SIGNED BY DAVID MULHOLLAND (Signature)

ON BEHALF OF DAVID MULHOLLAND CONSULTING ENGINEER LIMITED (Construction Review Firm) Date 6-12-22

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 Forms 6 or 8 of the Building (Form) Regulations 2004 for the issue of a Code Compliance Certificate.

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

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, Institution of Professional Engineers New Zealand (now Engineering New Zealand), ACE New Zealand in consultation with the Building Officials Institute of New Zealand. The original suit of producer statements has been revised at the date of this form as a result of enactment of the Building Act (2004) by these organisations to ensure standard use within the industry.

The producer statement system is intended to provide Building Consent Authorities (BCAs) with reasonable grounds for the issue of a Building Consent or a Code Compliance Certificate, without having to duplicate design or construction checking 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 or Schedules E1/E2 of NZIA's SCC 2011²

PS4 Construction Review Intended for use by a suitably qualified independent design professional who undertakes 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 Design Professional

This statement is made by a Design 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 designers.

A competent design professional will have a professional qualification and proven current competence through registration on a national competence based register, either as a Chartered Professional Engineer (CPEng) or a Registered Architect.

Membership of a professional body, such as Engineering New Zealand (formerly IPENZ), provides additional assurance of the designer's standing within the profession. If the design firm is a member of the 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 design 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, small projects. If the parties deem this inappropriate for large projects the minimum may be up to \$500,000.

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.

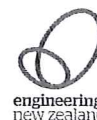
Refer Also:

- 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/IPENZ 2004)
- 4 PN Guidelines on Producer Statements

www.acenz.org.nz
www.engineeringnz.org



association of
consulting and
engineering





TOKOMARU 12/5/20

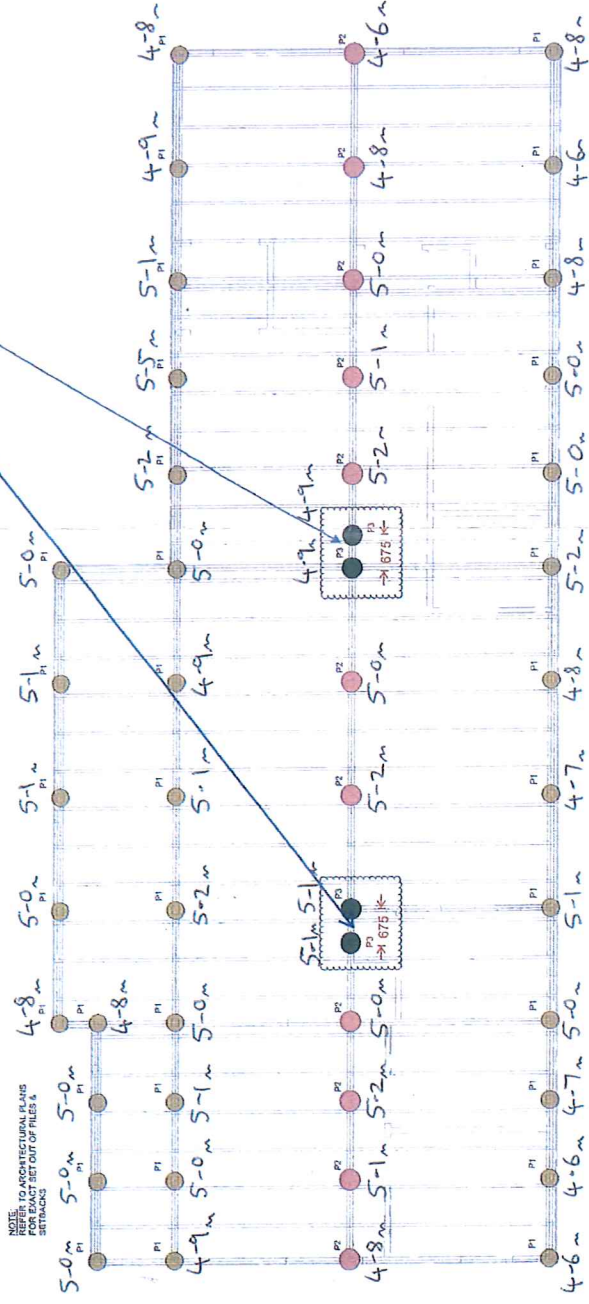


Pile embedment depth.

APPROVED
DAVE MULHOLLAND
CPENG 41430

J. H. M. Inc

**BOTTOM PLATE STRENGTHENING
 REQUIRED. DETAIL TO FOLLOW IN NTC-002**



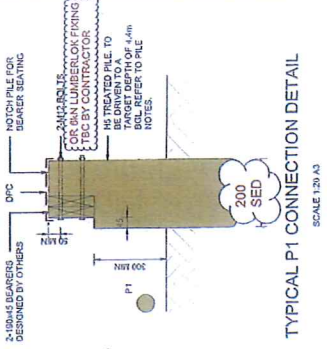
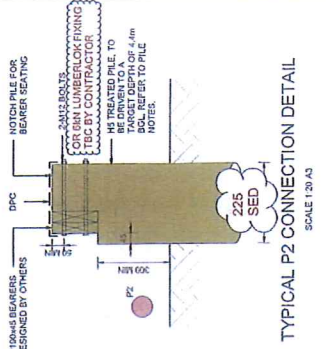
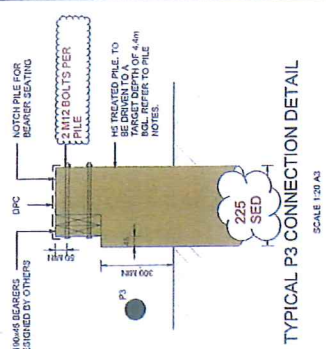
PILE LAYOUT
 SCALE 1:75 AS

Pile sets achieved on all piles 14mm - 19mm, as verified by engineers inspection

PILE NOTES:
 1. GEOTECHNICAL ENGINEER TO WITNESS A SAMPLE OF PILE INSTALLATION COVERING THE ENTIRE FLOORPLAN.
 2. TIMBER PILES ARE TO BE DRIVEN TO A TARGET DEPTH OF 4.4m BGL. HOWEVER, THE CONTRACTOR IS TO NOTIFY THE ENGINEER IF THIS DEPTH CANNOT BE ACHIEVED.
 3. IF THE PILE IS LOCATED WITHIN 50m OF A GEOTHERMAL AREA, ALL FIXINGS ARE TO BE UPGRADED TO STAINLESS STEEL AS PER ARCHITECTURAL DRAWINGS.
 4. THE PILES SPECIFIED ON THE DRAWINGS REFERS TO THE SMALL END DIAMETER (SED). ALL CUT ENDS OF PILES SHALL BE PAINTED WITH 'ENSEL' OR SIMILAR APPROVED SITE TIMBER PRESERVATIVE.
 5. REFER TO ARCHITECTURAL DRAWING SHEET A2.3 FOR MAXIMUM PILE SPACINGS.
 6. CHECK LOCAL ULTIMATE BEARING CAPACITY AT 4.4m BGL TO BE CONFIRMED ON SITE.

PILE DRIVING REQUIREMENTS:
 PILES ARE TO BE DRIVEN TO A MINIMUM OF 4.4m BGL AND MEETING THE FOLLOWING SET:
 (USING A 400kg DROP HAMMER WITH A 1.2m DROP HEIGHT):
 P1 (200 SED) - 21 mm
 P2 (225 SED) - 20 mm
 THE ENGINEER IS TO BE NOTIFIED OF ANY CHANGES TO THE ABOVE.

- GENERAL NOTES**
1. THE INFORMATION CONTAINED ON THIS DRAWING IS TO BE USED FOR THE DESIGN AND CONSTRUCTION OF THE PILES ONLY. IT IS NOT TO BE USED FOR ANY OTHER PURPOSES OTHER THAN THAT FOR WHICH IT WAS SPECIFICALLY PREPARED. THE WRITTEN PERMISSION OF CAHERON CONSULTING ENGINEERS IS REQUIRED FOR ANY OTHER USE.
 2. VERIFY ALL DIMENSIONS ON SITE.
 3. DO NOT SCALE FROM DRAWINGS.
 4. ALL DIMENSIONS ARE TO BE TAKEN FROM THE FACE UNLESS OTHERWISE SPECIFIED.
 5. THE DESIGN ASSUMPTIONS INCORPORATED IN THE CALCULATIONS AND REPORTS FOR THE PROJECT.



<p>DESIGNED BY: RYAN SPENCER</p> <p>DRAWN BY: RYAN SPENCER</p> <p>CHECKED BY: RYAN SPENCER</p> <p>DATE: 04/08/2022</p>		<p>FOR CONSENT</p> <p>SCALE: As indicated</p> <p>SIZE: A3</p> <p>PROJECT NO: 220187</p> <p>REV: DWG</p> <p>SHEET: 1</p> <p>TOTAL SHEETS: 1</p>	
<p>JOHN TITLE</p> <p>88 TAMATARAU ROAD, TOKOMARU</p>		<p>CLIENT</p> <p>ELIZABETH LORD</p>	
<p>DRAWING TITLE</p> <p>PILES LAYOUT AND DETAILS</p>			
<p>CGW CONSULTING ENGINEERS</p> <p>NELSON • CHRISTCHURCH • WAIKATO • AUCKLAND • WELLINGTON</p> <p>03 548 9259 03 341 1000 04 999 4400</p> <p>www.cgw.co.nz</p>			