



association of  
consulting and  
engineering

Building Code Clause(s) B1

**PRODUCER STATEMENT – PS2 – DESIGN REVIEW**

ISSUED BY: NOVARE DESIGN LIMITED  
(Design Review Firm)

TO: HEB CONSTRUCTION LIMITED  
(Owner/Developer)

TO BE SUPPLIED TO: WELLINGTON CITY COUNCIL  
(Building Consent Authority)

IN RESPECT OF: OMARORO RESERVOIR - ALTERNATIVE TENDER DESIGN - PEER REVIEW  
(Description of Building Work)

AT: PRINCE OF WALES PARK, WELLINGTON  
(Address)

Town/City: WELLINGTON LOT..... DP..... SO.....  
(Address)

We NOVARE DESIGN LIMITED have been engaged by HEB CONSTRUCTION LIMITED  
(Design Review Firm)

to review the design documents for this project in respect of the requirements of Clause(s) ..... of the Building Code.

The Review is for  All or  Part only of the design work prepared by HOLMES STRUCTURES LIMITED  
(Design Firm)

as described in drawings titled OMARORO RESERVOIR\_138684.33 - Schedule No: 2923.01

and numbered REFER TO ATTACHED SCHEDULE together with the specification, and other documents set out in the schedule attached to this statement according to which the building is proposed to be constructed.

The Review is in respect of B1 - STRUCTURE or per attached schedule.  
(aspects of design)

The Review confirms that these aspects of the design are in accordance with:

Compliance Documents issued by the Ministry of Business, Innovation & Employment B1 or  
(verification method/acceptable solution)

Alternative solution as per the attached schedule.....

**On behalf of the firm undertaking this review, on the basis of the review undertaken, and subject to:**

- (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 review have the necessary competency to do so.

I, DONALD MCLAREN-SMITH am:  CPEng # 124859  
(Name of Design Review Professional)

I am a member of:  Engineering New Zealand and hold the following qualifications:.....

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

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

**SIGNED BY** DONALD MCLAREN-SMITH (Signature) D.D. McLaren-Smith  
(Name of Design Review Professional)

**ON BEHALF OF** NOVARE DESIGN LIMITED Date 24/11/2020  
(Design Review Firm)

*Note: This statement shall only be relied upon by the Building Consent Authority named above. Liability under this statement accrues to the Design Review 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 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 2011<sup>2</sup>

**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 as a Chartered Professional Engineer (CPEng).

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 Engineers<sup>3</sup>). 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](http://www.acenz.org.nz)  
[www.engineeringnz.org](http://www.engineeringnz.org)



association  
of  
consulting  
and  
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## **SCHEDULE TO ACCOMPANY PEER REVIEW (PS2)**

**For**

## **OMARORO RESERVOIR ALTERNATIVE DESIGN PEER REVIEW**

Date : 24/11/2020  
Revision : 1  
Issued to : HEB CONSTRUCTION LIMITED  
Schedule No : 2923.01

Description	Reference	Rev	Date
<b>DRAWINGS – Omaroro Reservoir – Prepared by Holmes Consulting LP</b>			
proposed final levels	C31-01	3	11/11/2020
final level sections	C32-01	3	11/11/2020
final level sections	C32-02	3	11/11/2020
proposed subsoil drainage plan	C50-01	1	06/11/2020
proposed subsoil section and details	C51-01	1	06/11/2020
details	C90-01	3	11/11/2020
details	C90-02	2	11/11/2020
3d views	S00-02	3	06/11/2020
general notes	S00-03	3	06/11/2020
general arrangement plan	S01-01	4	06/11/2020
typical cross section	S01-02	3	06/11/2020
construction sequence	S01-05	1	06/11/2020
construction sequence	S01-06	1	06/11/2020
leak detection pipe layout	S01-15	3	06/11/2020
external water proofing details	S01-22	2	06/11/2020
floor plan	S02-01	4	06/11/2020
floor reinforcement/ PT plan	S02-02	4	06/11/2020
floor reinforcement/ PT details	S02-03	2	06/11/2020
floor PT - stressing order detail	S02-04	1	06/11/2020
column details	S02-11	3	06/11/2020
typical column connection details	S02-12	3	06/11/2020
wall panel details	S02-15	3	06/11/2020
typical wall connection details	S02-16	3	06/11/2020
PC wall and pilaster stressing sequence	S02-17	1	06/11/2020
pilaster & insitu stitch details	S02-21	4	23/11/2020
pilaster details	S02-22	2	06/11/2020
roof plan	S02-25	4	06/11/2020
roof reinforcement/ PT plan	S02-26	4	06/11/2020
roof reinforcement/ PT plan	S02-27	2	06/11/2020
roof PT details - draped tendons	S02-28	2	06/11/2020
roof PT details - straight tendons	S02-29	2	06/11/2020
roof reinforcement/ PT details	S02-30	3	06/11/2020
roof PT stressing sequence	S02-31	1	06/11/2020
roof access chamber details	S03-01	2	06/11/2020
roof access chamber lid details	S03-02	1	06/11/2020
roof access chamber lid details	S03-03	1	06/11/2020
internal access stair details	S03-11	2	06/11/2020



internal access stair details	S03-12	1	06/11/2020
inlet pipework elevation	S03-21	2	06/11/2020
inlet pipework elevation	S03-22	2	06/11/2020
inlet pipework details	S03-24	2	06/11/2020
inlet pipework details	S03-25	2	06/11/2020
overflow pipework section & details	S03-26	2	06/11/2020
air vent pipe section & details	S03-27	2	06/11/2020
tunnel pipework isometric	S03-31	2	06/11/2020
tunnel pipework plans	S03-32	2	06/11/2020
tunnel pipework details	S03-33	2	06/11/2020
tunnel pipework details	S03-34	2	06/11/2020
pipe tunnel general arrangement	S04-01	3	06/11/2020
pipe tunnel reinforcement details	S04-05	3	06/11/2020
pipe tunnel reinforcement details	S04-06	3	06/11/2020
pipe tunnel reinforcement details	S04-07	2	06/11/2020
pipe tunnel pipe penetration details	S04-08	3	06/11/2020
pipe tunnel reinforcement details	S04-09	2	06/11/2020
pipe tunnel precast wall panel details	S04-10	3	06/11/2020
pipe tunnel precast roof panel details	S04-11	2	06/11/2020
pipe tunnel entry wall plan	S04-15	1	06/11/2020
pipe tunnel entry wall elevation	S04-16	1	06/11/2020
pipe tunnel entry wall details	S04-17	1	06/11/2020
tunnel entry precast wall panel details	S04-18	1	06/11/2020
tunnel entry precast wall panel details	S04-19	1	06/11/2020
tunnel entry precast wall panel details	S04-20	1	06/11/2020
tunnel entry precast wall panel details	S04-21	1	06/11/2020
MSE wall details	S04-22	1	06/11/2020
pedestrian barrier & miscellaneous details	S04-31	2	06/11/2020
scour pipe layout & details	S04-40	3	06/11/2020
scour pipe details	S04-41	2	06/11/2020
ground stabilisation details	S05-10	3	06/11/2020
ground anchor detail	S05-11	3	06/11/2020
<b>SPECIFICATIONS – Prepared by Holmes Consulting LP</b>			
Omaroro Reservoir – Technical Specification	138684.33	3	06/11/2020
<b>REPORTS – Prepared by Holmes Consulting LP</b>			
Omaroro Reservoir – Structural Design Report	138684.33	4	06/11/2020
<b>PRODUCER STATEMENT – Prepared by Holmes Consulting LP</b>			
PS1 – Structural – Omaroro reservoir	138684.33	-	23/11/2020
<b>PEER REVIEW SHEET – Prepared by Novare Design Limited</b>			
Peer review Sheet	2923.43	2	24/11/2020