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IF IN DOUBT, ASK.



ROOF STRAP BRACING TO BE CONNECTED TO THE PURLIN CLOSEST TO THE LINE OF THE END WALL MULLION DJ - INDICATES DOOR JAMBS AT THESE LOCATIONS. REFER TO SHEET #4 ON THE DOOR SCHEDULE FOR SIZES		DESIGNED FOR 0.9 kPa GROUND SNOW LOAD	MEMBER LEGEND   C1 C15012   C2 C15019
STEEL BUILDING BY CHECKED TM OATE 1772020 STEEL BUILDING BY FOR TO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT) OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OBVO CONTACT OV OV CONTACT OV OV CONTACT OV OV OV CONTACT OV OV OV CONTACT OV OV CONTACT OV OV CONTACT OV OV CONTACT OV OV CONTACT OV OV OV OV OV OV OV OV OV OV	Registered Professional Engineer (Civil & Structure	Civil & Structural Engineers 50 Punari Street Currajong, Qld 4812 Ge Currajong, Qld 4812 Signature ail: DesignNZ@nceng.com.au Regn. No. 1029039 al) QLD Regn. No. 9985	Roy Messer BE MIEAust RPEQ )39 



ROOF PURLINS PER

MEMBER SCHEDULE ON SHEET 5

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ROOF PURLINS PER

MEMBER SCHEDULE ON SHEET 5

ril & Structural Engineers 50 Punari Street Currajong, Qld 4812	Mr Timothy Roy Messer BE MIEAust RPEQ IPENZ 1029039 Signature
esignNZ@nceng.com.au	Date 1/7/2020
Regn. No. 1029039 Regn. No. 9985	



# **RISK FACTOR**

ORY 1. (WIND ZONE)		
RISK CATEGORY	FEATURE DESCRIPTION	SCORE
LOW RISK	NZS3604 LOW WIND ZONE	0
MEDIUM RISK	NZS3604 MEDIUM WIND ZONE	0
HIGH RISK	NZS3604 HIGH WIND ZONE	1
/ERY HIGH RISK	NZS3604 VERY HIGH WIND ZONE	2

#### CATEGORY 2. (BUILDING HEIGHT)

RISK CATEGORY	FEATURE DESCRIPTION	SCORE
LOW RISK	ONE STOREY	0
MEDIUM RISK	TWO STOREYS IN PART	1
HIGH RISK	TWO STOREYS	2
VERY HIGH RISK	MORE THAN TWO STOREYS	4

#### CATEGORY 3. (ROOF/WALL INTERSECTIONS)

RISK CATEGORY	FEATURE DESCRIPTION	SCORE	
LOW RISK	ROOF/WALL INTERSECTION FULLY PROTECTED, EG. HIP AND GABLE ROOF WITH EAVES	0	
MEDIUM RISK	ROOF/WALL INTERSECTION PARTLY EXPOSED, EG. HIP AND GABLE ROOF WITH NO EAVES(FASICA ONLY	1	
HIGH RISK	ROOF/WALL INTERSECTION FULLY EXPOSED, EG. PARAPET WALL OR REVERSE SLOPES EAVES	3	
VERY HIGH RISK	ROOF ELEMENTS FINISHING WITHIN ALL CLADDINGS (LOWER ENDS OF APRONS, CHIMNEYS ETC.)	5	

#### CATEGORY 4. (EAVES WIDTH)

RISK CATEGORY	FEATURE DESCRIPTION	SCORE
LOW RISK	GREATER THAN 600mm AT 1ST FLOOR LEVEL	0
MEDIUM RISK	450mm – 600mm AT 1ST FLOOR LEVEL, OR GREATER THAN 600mm AT 2ND FLOOR LEVEL	1
HIGH RISK	100–450mm AT 1ST FLOOR LEVEL, OR 450–600mm AT 2ND FLOOR LEVEL	2
VERY HIGH RISK	0–100mm AT 1ST FLOOR LEVEL OR 100–450mm AT 2ND FLOOR LEVEL OR 450–600mm AT 3RD LEVEL	5

## CATEGORY 5. (ENVELOPE COMPLEXITY)

RISK CATEGORY	FEATURE DESCRIPTION	SCORE		
LOW RISK	SIMPLE RECTANGULAR, L,T OR BOOMERANG SHAPE, SINGLE CLADDING TYPE	0		
MEDIUM RISK	COMPLEX,ANGULAR, OR CURVED BUILDING SHAPES (Y OR ARROW HEAD) SINGLE WALL CLADDING TYPE	1		
HIGH RISK	COMPLEX,ANGULAR, OR CURVED BUILDING SHAPES (Y OR ARROW HEAD) MULTIPLE WALL CLADDING TYPE	3		
VERY HIGH RISK	AS FOR RISK BUT WITH JUNCTIONS NOT COVERED IN TABLE 1C OR 1F (EG. BOX WINDOWS PERGOLAS, MULTI STOREY RE-ENTRANT SHAPES ETC.)	6		

## CATEGORY 6. (DECKS & BALCONIES)

RISK CATEGORY	FEATURE DESCRIPTION	SCORE
LOW RISK	NONE OR TIMBER SLATTED DECK OR PORCH AT GROUND LEVEL	0
MEDIUM RISK	FULLY ROOFED WATERPROOF DECK, OR TIMBER SLATTED DECK AT 1ST OR 2ND FLOOR LEVEL	2
HIGH RISK	1ST LEVEL WATERPROOF DECK OR 1ST LEVEL CANTILEVERED SLATTED DECK	4
VERY HIGH RISK	2ND LEVEL WATERPROOF DECK, OR 2ND LEVEL CANTILEVERED SLATTED DECK	6

# Refer to Sheet #4 for concrete specification.

vil & Structural Engineers 50 Punari Street Currajong, Qld 4812	Mr Timothy Roy Messer BE MIEAust RPEQ IPENZ 1029039 Signature
esignNZ@nceng.com.au	Date 1/7/2020
Regn. No. 1029039 Regn. No. 9985	

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# WALL - BASE CLEAT **CLADDING** REINFORCING 2 MASONRY MESH ANCHORS PER COLUMN N.G.L - $\mathbb{X}$ DEPTH 100 NATURAL GROUND DIAMETER 600 x 400 Diameter x Depth (mm)

# N.G.L - NATURAL GROUND LINE

Y

BORED LOCAL THICKENING DETAIL

**SBOMA** 

## STRUCTURAL GENERAL NOTES

- 1. GOVERNING CODE : THE NEW ZEALAND BUILDING ACT 2004 AND BUILDING CODE AS CONTAINED IN SCHEDULE 1 OF BUILDING REGULATIONS 1992. LOADING TO AS/NZS1170 ALL SECTIONS.
- 2. DRAWING OWNERSHIP THESE DRAWINGS REMAIN THE PROPERTY OF DELCON HOLDINGS (NO11) LIMITED. ENGINEERING SIGNATURE AND CERTIFICATION IS ONLY VALID WHEN BUILDING IS SUPPLIED BY A DISTRIBUTOR OF DELCON HOLDINGS. DRAWINGS ARE PROVIDED FOR THE DUAL PURPOSE OF OBTAINING BUILDING PERMITS AND ADDING CONSTRUCTION. ANY OTHER USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN APPROVAL FROM DELLON BUILDINGS. TED WITHOUT WRITTEN APPROVAL FROM DELCON BUILDINGS.

- REPROUCTION IS PROHIBITED WITHOUT WRITTEN APPROVAL FROM DELICON BUILDINGS. DRAWING SIGNATURE REQUIREMENTS : THESE DRAWINGS ARE NOT VALID UNLESS SIGNED BY THE ENGINEER. THE ENGINEER ACCEPTS NO LIABILITY OR RESPONSIBILITY FOR DRAWINGS WITHOUT A SIGNATURE. EACH TITLE BLOCK CONTRAINS A WATER MARK UNDER THE CUSTOMERS NAME CONFINING THE DATE OF PRODUCTION OF THE DRAWINGS, THE DRAWINGS ARE TO BE SUMMITTED TO CUSTOMERS NAME CONFINING THE DATE. THIS IS TO ENSURE THAT ONLY CURRENT DRAWINGS ARE IN CIRCULATION. 4. CONTRACTOR RESPONSIBILITIES
- CERTIFIER AND / OR CONTRACTOR TO CONFIRM (ON SITE) THAT THE WIND LOADINGS APPLIED TO THIS DESIGN ARE TRUE AND CORRECT FOR THE ADDRESS.
- TRUE AND CORRECT FOR THE ADDRESS. CONTRACTOR SHALL VERIFY AND CONFIRM ALL EXISTING CONDITIONS AND DIMENSIONS. ENGINEER SHALL BE NOTIFIED CONTRACTOR SHALL VERTEY AND CONFIRM ALL EXISTING CONDITIONS AND DIMENSIONS. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN DEAMINES AND EXISTING CONDITIONS FROM TO START OF WORK. CONTRACTOR MUST NOT MAKE ANY DEVIATION FROM THE PROVIDED PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM ONE THE UNDERSIGNING ENGINEERS. THE ENGINEER / DELCON HOLDINGS TAKE NO RESPONSIBILITY FOR CHANGES MADE WITHOUT WRITTEN APPROVAL. CONTRACTOR IS RESPONSIBLE FOR ENSURING NO PART OF THE STRUCTURE BECOMES OVERSTRESSED DURING CONSTRUCTION
- CONSTRUCTION. BUILDING IS NOT STRUCTURALLY ADEQUATE UNTIL THE INSTALLATION OF ALL COMPONENTS AND DETAILS SHOWN IS COMPLETED IN ACCORDANCE WITH THESE DRAWINGS. THE INDICATED DRAWING SCALES ARE APPROXIMATE. DO NOT SCALE DRAWINGS FOR CONSTRUCTION FURPOSES. FOR FURTHER DIRECTIONS ON CONSTRUCTION THE CONTRACTOR SHOULD CONSULT THE APPROPRIATE INSTRUCTION MANUAL.
- 5. ENGINEERING THE ENGINEER / DELCON HOLDINGS ARE NOT ACTING AS PROJECT MANAGERS FOR THIS DEVELOPMENT, AND WILL NOT BE
  - PRESENT DURING CONSTRUCTION.
- PRESENT DURING CONSTRUCTION. THE UNDERSIGNING ENGINEERS HAVE REVIEWED THIS BUILDING FOR CONFORMITY ONLY TO THE STRUCTURAL DESIGN PORTIONS OF THE GOVERNING CODE. THE PROJECT MANAGER IS RESPONSIBLE FOR ADDRESSING ANY OTHER CODE REQUIREMENTS APPLICABLE TO THIS DEVELOPMENT. THESE DOCUMENTS APPLICABLE TO THIS DEVELOPMENT. THESE DOCUMENTS ARE STAMPED ONLY AS TO THE COMPONENTS SUPPLIED BY DELCON HOLDINGS. IT IS THE RESPONSIBILITY OF THE FURCHASER TO COCRDINATE DRAWINGS FROVIDED BY DELCON HOLDINGS WITH OTHER PLANS AND/OR OTHER COMPONENTS THAT ARE PART OF THE OVERALL PROJECT. IN CASES OF DISCREPANCIES, THE LATEST DRAWINGS FROVIDED BY DELCON HOLDINGS SHALL GOVERN.
- 6. INSPECTIONS : NO SPECIAL INSPECTIONS ARE REQUIRED BY THE GOVERNING CODE ON THIS JOB. ANY OTHER INSPECTIONS REQUESTED BY THE LOCAL BUILDING DEPARTMENT SHALL BE CONDUCTED AT THE OWNER'S EXPENSE.
- SOIL REQUIREMENTS CAPACITY VALUE INDICATED ON DRAWING SHEFT 4 OCCURS AT 100mm BELOW FINISH GRADE.
- SOLE SAFE BEARING CAPACITI VALUE INICALED ON DRAWING SHEEL 4 OCCURS AT IONIMI BELING FINISH GRAUE, EXISTING NATURAL GRADES, OR AT FROST DEPTH SPECIFIED BY LOCAL BUILDING DEPARHWENT, WHICHEVER IS THE LOWEST ELEVATION.REGARDLESS OF DETAIL Y ON SHEET 4 THE MINIMUM FOUNDATION DEPTH SHOULD BE 100MM INTO NATURAL GROUND OR BELING FROST DEPTH SPECIFIED BY LOCAL COUNCIL. ROLLED OR COMPACTED FILL MAY BE USED UNDER SLAB, COMPACTED IN 150mm LAYERS TO A MAXIMUM DEPTH OF
- 900mm. CONCRETE FOUNDATION EMBELMENT DEPTHS DO NOT APPLY TO LOCATIONS WHERE ANY UNCOMPACTED FILL OR DISTURBED GROUND EXISTS OR WHERE WALLS OF THE EXCAVATION WILL NOT STAND WITHOUT SUPPLEMENTAL SUPPORT, IN THIS CASE SEEK FURTHER ENGINEERING ADVICE. OTHER SITE CONDITIONS INCLUDING THOSE SUBJECT TO HIGH GROUND MOVEMENT DUE TO MOISTURE CHANGES, TO BE REFERRED TO A RESISTERED STRUCTURAL ENGINEER.
- 8. SOILS CLASS: FOR A RESIDENTIAL AND NON-HABITABLE USE BUILDING DESIGNS. THE FOUNDATIONS DOCUMENTED IS APPROPRIATE FOR A RESIDENTIAL AND NON-HABITABLE USE BUILDINGS ON STABL AND MODERATELY EXPANSIVE CLASS SOIL AS DEFINED IN AS2870 AS CLASS A, S AND M SOILS.
- CONCRETE REQUIREMENTS

ALL CONCRETE DETAILS AND PLACEMENT SHALL BE PERFORMED IN ACCORDANCE WITH NZS3101.162. CEMENT TO BE TYPE A. MAX AGGREGATE SIZE OF 20mm. SLIMP TO BE 80mm +- 15mm. SLABS TO BE CURED FOR 7 DAYS BY WATERING OR COVERING WITH A PLASTIC MEMBRANE, AFTER WHICH CONSTRUCTION CAN BEGIN, DUE CARE TO BE GIVEN NOT TO OVER-TIGHTEN HOLD DOWN BOLTS. GIVEN ALLOWABLE SOIL TYPES, 1 LAYER OF 665 REINFORCING MESH OR FOR RESIDENTIAL HABITABLE BUILDINGS FLETCHER SUPER DUCTILE MESH GRADE 500E (OR EQUIVALENT). MESH LAPS TO BE AS PER MANUFACTURERS RECOMMENDATIONS. FOR POLISHED OR EXPOSED AGGREGATE FINISHES, PLEASE SEEK FURTHER ADVICE FROM THE ENGINEER. FOR RELEVANT DURABILITY REQUIREMENTS REFER TO THE FOLLOWING TABLE:

EKPOSURE CLASSIFICATION DESCRIPTION		MIN. 28 DAY	MIN. REQ. REO COVER
A1 & A2	RELATIVELY BENIGN ENVIRONMENTS (INTERIOR OR INLAND LOCATIONS)	20 MPa	A1=25mm, A2=40mm
B1	20 MPa	50mm	
B2	AGGRESIVE ENVIRONMENTS (COMMONLY 100m TO 500m FROM OPEN SEA)	30 MPa	45mm
C	EXTREME AGGRESIVE CHLORIDE ENVIRONMENTS	40 MPa	60mm

#### 10. STRUCTURAL STEEL REQUIREMENTS

ALL STRUCTURAL STEEL, INCLUDING SHEETING THOUGH EXCLUDING CONCRETE REINFORCING, SHALL CONFORM TO AS 1397 (GAUGE <= 1mm fy = 550MPa, GAUGE > 1mm < 1.5mm fy = 500MPa, GAUGE >= 1.5mm fy = 450MPa). NO WELDING IS TO BE PERFORMED ON THIS BUILDING.

ALL STRUCTURAL MEMBERS AND CONNECTIONS DESIGNED TO NZ4600. ALL BOLT HOLE DIAMETERS TO METALCRAFT GENERAL FUNCHINGS.



## **PROJECT DESIGN CRITERIA**

ROOF LIVE LOAD: 0.28 kPa BASIC WIND SPEED: VR 41 m/s SITE WIND SPEED: VsitB 34 m/s WIND REGION: Reg A TOPOGRAPHY FACTOR, Mt: 1 SHIELDING FACTOR, Ms: 1 MAX GROUND SNOW LOAD: 0.9 kPa MAX ROOF SNOW LOAD: 0.378 kPa SITE ALTITUDE: 100 m TERRAIN CATEGORY: TCat 3 SOIL SAFE BEARING CAPACITY: 100 kPa RETURN PERIOD: 1:100 LIMITING CPL 1: -0 65 LIMITING CPI 2: 0.7 IMPORTANCE LEVEL: 1

#### DETAIL KEYS

(DK1) ENDWALL VERTICAL MULLION (SEE DETAIL C/5 FOR TOP CONN. AND F/5 FOR BASE CONN.) (DK2) FLYBRACING PER DETAIL L/5 (DK3) X-BRACING IN ROOF ABOVE (SEE DETAIL M/5)

#### DOOR SCHEDULE

DOOR	WIDTH	HEIGHT	OPENING TYPE	HEADER GIRT	OPENING JAMBS	WIND RATED
1	1700	2009	2.010H X 1.700 50/50 SLIDING GLASS DOOR	SINGLE P	URBP300/3	0 YES
2	2000	400	WINDOW	SINGLE P	URBP300/3	0 YES

NOTES: 1) SEE SHEET 5 FOR DOOR OPENING FRAMING INFORMATION. 2) ALL DOOR SCHEDULE MEASUREMENTS ARE ACTUAL DOOR/WINDOW SIZE NOT OPENING SIZE.



il & Structural Engineers 50 Punari Street Currajong, Qld 4812	Mr Timothy Roy Messer BE MIEAust RPEQ IPENZ 1029039 Signature
esignNZ@nceng.com.au	Date 1/7/2020
Regn. No. 1029039 Regn. No. 9985	





#### MEMBER AND MATERIAL SCHEDULE

FTER	Single C15012				
AFTER	Single C15012				
OLUMN (C1)	Single C15012				
OLUMN (C2)	Single C15019				
NEE BRACE	Single C10010 @ 1.38 LONG 2 bolts each end				
HEIGHT UP COLUMN	2.21m				
LENGTH UP RAFTER	0.97m				
PEX BRACE	Single C10010 @ 1.44 LONG 2 bolts each end				
IN FROM RAFTER END	0.83m				
TS (# PER DETS.)	C150 High Tensile Sleeve Anchor M12 x 80				
	C10015 (Eave Purlin Bracket 27mm down from top of column)				
IRLIN SIZE	Roof Batten 100 x 0.8				
JRLIN SPACING	0.837 m. (3 rows) (Max Allow. 1.000m)				
L GIRT SIZE	Roof Batten 100 x 0.8				
DEWALL GIRT SPACING	1.200 m. (2 rows) (Max Allow. 1.661m)				
L GIRT SIZE	Roof Batten 100 x 0.8				
NDWALL GIRT SPACING	0.678 m. (5 rows) (Max Allow. 0.802m)				
V FASTENERS	Heavy Duty Structural Screw 5/16 drive				
FASTENERS	12 x 30mm Bolt Ass High Tensile				
RAP AND FASTENERS	Single 50 x 0.95mm Strap with 5 x 14g Tek Screws Each End				
२	IRONSAND				
R	EBONY				
OUR	EBONY				
G DOOR COLOUR	EBONY				
DLOUR	IRONSAND				
JUR	EBONY				
HING COLOUR	IRONSAND				
ING COLOUR	EBONY				
SHING COLOUR	IRONSAND				
ADER HEIGHT	0.5				

"C.S." = CLEARSPAN "L." = LEFT "R." = RIGHT

#### PURLIN AND GIRT LENGTHS

PURLIN LENGTH	GIRT LENGTH
1.43 m. (0.23m Lap)	1.43 m. (0.23m Lap)
3.32 m. (0.32m Lap)	3.32 m. (0.32m Lap)
3.23 m. (0.23m Lap)	3.23 m. (0.23m Lap)

ril & Structural Engineers 50 Punari Street Currajong, Qld 4812	Mr Timothy Roy Messer BE MIEAust RPEQ IPENZ 1029039 Signature
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N	OT PART	OF CO	DUNC	IL APPI	LICATION DOCUMENTATION		DISTRIBUTOR TO SEE		5 IO BE ROTATED I
ZCAN17561	DATE 1/7/2020 JOB NO.	CHECKED TM	DRAWN FDS	STEE FOR AT	DURASTEEL STRUCTURES LIMITED 0800 DINKUM (346 586) ROD JONES 698 MAIN SOUTH ROAD CHRISTCHURCH	T Pedared	<b>Fairdinkum</b> SHEDS	BOI	T LA





DETAIL B





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# YOUT PLAN

IF YOU HAVE A ROLLER DOOR IN THE GABLE END OF YOUR SHED, CONTACT YOUR DISTRIBUTOR TO SEE IF MULLION NEEDS TO BE ROTATED FOR USE AS A DOOR JAMB.







Building Code Clause(s) B1

# **PRODUCER STATEMENT - PS1 - DESIGN**

(Guidance on use of Producer Statements (formerly page 2) is available at www.engineeringnz.org)

ISSUED BY:	NORTHERN CONSULTIN (Design Firm)	IG ENGINEERS		
то:	Rod Jones (Owner/Develope	r)		
TO BE SUPPLIED TO:	Christchurch City <i>(Building Consent Au</i> ti	Council hority)		
IN RESPECT OF: 4.65m Wide, 7.2m	Long and 2.7m High. Wi (Description of Building	th 30Deg Roof Pitch and <i>Work)</i>	3 side bays.	
AT: 698 Main South Road	(Address)			
Town/City: Christchurch	LOT:	DP:	SO:	
We have been engaged by the owner/o	developer referred to above	e to provide - <b>Structural En</b>	gineering	
	(Extent of Eng	gagament)		
services in respect of the requirements $\square$ All or $\square$ Part only (as specified in the design carried out by us has been $\square$ Compliance Documents issued by t	of Clause(s) <sup>B1</sup> . he attachment to this stater prepared in accordance w he Ministry of Business, In	of the Building ment), of the proposed build ith: novation & Employment AS	g Code for: ling work. S/NZS1170, AS/NZS1170.1,	
AS/NZS1170.2, AS/NZS1170.3, NZS1	170.5, NZS3101, AS/NZS4 hed schedule / this producer statement is	1600, NZS3404 nad NZBC	B1 - VWM4 or s titled:	
together with the specification, and oth	ROD JONES er documents set out in the	e schedule attached to this	; statement.	
<b>On behalf of the Design Firm</b> , and su (i) Site verification of the following design	bject to: gn assumptions	DD GROUND IN ACCORDAN	CE WITH NZS3604	
(ii) All proprietary products meeting the Wind RegionA Terrain Cat	ir performance specificatio Topgraphy Factor Max Roof Snow Load <sup>0</sup>	n requirements; 1 Shielding Factor1 378. kPa		
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:				
	CM5 (Engineering Categories) Or	as per agreement with own	ner/developer (Architectural)	
I,	a	am: 🖂 CPEng IPENZ 1029	039. 🔲 Reg Arch	
I am a member of: The Design Firm issuing this statement The Design Firm is a member of ACEN	ew Zealand 🗌 NZIA and h t holds a current policy of F IZ: 🔲	nold the following qualification Professional Indemnity Insu	ons: CPEng (Structural) rance no less than \$200,000*.	
SIGNED BY	im Messer	(Signature)	Mess	
ON BEHALF OF	Northern Consulting (Design Firm)	Engineers	<b>Date</b> 1/7/2020	
Note: This statement shall only be relied upon by only. The total maximum amount of damages pay relation to this building work, whether in contract, This form is to accompany <b>Form 2 of t</b> THIS FORM AND ITS O	the Building Consent Authority navable arising from this statement a tort or otherwise (including neglig he Building (Forms) Reg CONDITIONS ARE COPYRIGHT TO ACEN 1	amed above. Liability under this stand all other statements provided t gence), is limited to the sum of \$20 ulations 2004 for the appli IZ, ENGINEERING NEW ZEALAND AND N	atement accrues to the Design Firm o the Building Consent Authority in 10,000*. cation of a Building Consent. ZIA	

# **DRAWING LIST**

Job Number	Sheet	Revision	Date	Description
7CAN17561	1	0	1/7/2020	ΕΩΙΙΝΠΑΤΙΩΝ ΡΙ ΔΝ / MEMBER Ι ΔΥΩΙ ΙΤ
ZCAN17561	2	Ö	1/7/2020	ELEVATIONS
ZCAN17561	3	0	1/7/2020	SECTION
ZCAN17561	4	0	1/7/2020	FOOTING DETAILS
ZCAN17561	5	0	1/7/2020	MEMBER SCHEDULE / DETAILS
ZCAN17561	6	0	1/7/2020	FLASHING / APPLICATION DETAILS

# **GUIDANCE ON USE OF PRODUCER STATEMENTS**

Producer statements were first introduced with the Building Act 1992. 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, Association of Consulting Engineers New Zealand in consultation with the Building Officials Institute of New Zealand. The original suite 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 3910:2003 <sup>1</sup> or Schedules E1/E2 of NZIA's SCC 2007 <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 ACENZ, IPENZ and NZIA 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 the Institution of Professional Engineers New Zealand (IPENZ)or the New Zealand Institute of Architects (NZIA), provides additional assurance of the designer's standing within the profession. If the design firm is a member of the Association of Consulting Engineers New Zealand (ACENZ), 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, ACENZ 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)<sup>3</sup> (OL1-OL4)<sup>2</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:

- Conditions of Contract for Building & Civil Engineering Construction NZS 3910: 2003
- <sup>2</sup> NZIA Standard Conditions of Contract SCC 2007 (1st edition)
- <sup>3</sup> Guideline on the Briefing & Engagement for Consulting Engineering Services (ACENZ/IPENZ 2004)

www.acenz.org.nz www.ipenz.org.nz www.nzia.co.nz