



ELECTRICAL CERTIFICATE OF COMPLIANCE

REFERENCE/CERTIFICATE ID NO.: #5681C4

This form has been designed to be used by licensed electrical workers to certify that installations or Part installations under Part 1 or Part 2 of AS/NZS 3000 are safe to be connected to the specified system of electrical supply.

Location Details: 4/17 Lyon Street, Frankton, Hamilton

Contact Details: (Name and address) Kim DuBois

Name of Electrical worker: Devon Moon Registration/Practising licence number: E281876

Phone & email: 0276818298

Name and registration number of person(s) supervised: Hugh Van Asbeck, David Williams (EW149711)

Certificate of Compliance

Type of work: Addition Alteration New work

The prescribed electrical work is: Low risk General High-risk (specify):

Mains work

Means of compliance: Part 1 of AS/NZS 3000 Part 2 of AS/NZS 3000

Additional Standards or electrical code of practice were required: No Yes (specify):

Date or range of dates that prescribed electrical work undertaken: 12/2/2020 to 18/8/2020

Contains fittings that are safe to connect to a power supply? Yes No

Specify type of supply system: 230vMEN

The installation has an earthing system that is correctly rated (where applicable) Yes No

Parts of the installation to which this certificate relates that are safe to connect to a power supply?

All Parts (specify) Main switchboard, meterbox and earth

The work relies on manufacturers instructions: Yes No

If yes - identify the instruction manual including name, date and version. Also attach a copy of manufacturer's instructions to this certificate. (Or provide reference to readily accessible electronic format, eg internet link.)

Identify: Link:

The work has been done in accordance with a certified design: Yes No

If yes - identify the certified design including name, date and version. Also attach a copy of the certified design to this certificate. (Or provide reference to readily accessible electronic format, eg internet link.)

Identify: Link:

The work relies on a Supplier Declaration of Conformity (SDoC): Yes No

If yes - identify the SDoC including name, date and version OR EECS registration. Also attach a copy of the SDoC to this certificate. (Or provide reference to readily accessible electronic format, eg internet link.)

Identify: Link:

The installation has been satisfactorily tested in accordance with the Electricity (Safety) Regulations 2010 No Yes

Description of Work: Install 16mm 1c ns mains from Private pillar, meter box, main switchboard, earth peg and lead.	Test Results (provide values)	
	Polarity (independent earth):	
	Insulation resistance:	999M Ohms
	Earth Continuity:	0.04 Ohms
	Bonding:	0.02 Ohms
	Fault Loop Impedance:	Ohms
Other (specify):		

By signing this document I certify that the completed prescribed electrical work to which this Certificate of Compliance applies has been done lawfully and safely, and the information in the certificate is correct.

Certifier's signature: *Leiman* Date: 24/8/2020

CUSTOMER COPY - THIS IS AN IMPORTANT DOCUMENT AND SHOULD BE RETAINED FOR A MINIMUM OF 7 YEARS



#5681C4



ELECTRICAL CERTIFICATE OF COMPLIANCE & ELECTRICAL SAFETY CERTIFICATE

REFERENCE/CERTIFICATE ID No.: #5681/4

This form has been designed to be used by licensed electrical workers to certify that installations or Part installations under Part 1 or Part 2 of AS/NZS 3000 are safe to be connected to the specified system of electrical supply.

Location Details: 4/17 Lyon Street, Frankton, Hamilton

Contact Details: (Name and address) Kim Du Bois

Name of Electrical worker: Devon Moon **Registration/Practising licence number:** E281876

Phone & email: 0276818298

Name and registration number of person(s) supervised: Hari Kanbi (EW143847), David Williams (EW149711)

Certificate of Compliance

Type of work: Addition Alteration New work

The prescribed electrical work is: Low risk General High-risk (Specify):

Means of compliance: Part 1 of AS/NZS 3000 Part 2 of AS/NZS 3000

Additional Standards or electrical code of practice were required: No Yes (specify):

Date or range of dates that prescribed electrical work undertaken: 12/2/2020 to 18/8/2020

Contains fittings that are safe to connect to a power supply? Yes No

Specify type of supply system: 230V MEN

The installation has an earthing system that is correctly rated (where applicable) Yes No

Parts of the installation to which this certificate relates that are safe to connect to a power supply?

All Parts (specify):

The work relies on manufacturers instructions: Yes No

If yes – identify the instruction manual including name, date and version. Also attach a copy of manufacturer's instructions to this certificate. (Or provide reference to readily accessible electronic format, eg Internet link.)

Identify: Link:

The work has been done in accordance with a certified design: Yes No

If yes – identify the certified design including name, date and version. Also attach a copy of the certified design to this certificate. (Or provide reference to readily accessible electronic format, eg Internet link.)

Identify: Link:

The work relies on a Supplier Declaration of Conformity (SDoC): Yes No

If yes – identify the SDoC including name, date and version OR FESS registration. Also attach a copy of the SDoC to this certificate. (Or provide reference to readily accessible electronic format, eg Internet link.)

Identify: Link:

The installation has been satisfactorily tested in accordance with the Electricity (Safety) Regulations 2010 No Yes

Description of Work: Supply and install all electrical outlets, fittings and switches as per plan. Test and live in. 16 x Power points, 15 x Light fittings 2 x exterior lights, 1 x HWC 1 x Heat pump, 2 x Extractor fan 1x Wall mounted heaters Install supply for oven/hob	Test Results (provide values)	
	Polarity (Independent earth):	As per attached
	Insulation resistance:	Test sheet Ohms
	Earth Continuity:	5681 /4 Ohms
	Bonding:	Ohms
	Fault Loop impedance:	Ohms
	Other (specify):	

By signing this document I certify that the completed prescribed electrical work to which this Certificate of Compliance applies has been done lawfully and safely, and the information in the certificate is correct.

Certifier's signature: *Devon Moon* **Date:** 1/9/2020

Electrical Safety Certificate

By signing this document I certify that the installation, or part of the installation, to which this Electrical Safety Certificate applies is connected to a power supply and is safe to use.

Certifier's name: Devon Moon **Registration/Practising licence number:** E281876

Certifier's signature: *Devon Moon* **Certificate Issue Date:** 1/9/2020 **Connection Date:** 20/8/2020

CUSTOMER COPY – THIS IS AN IMPORTANT DOCUMENT AND SHOULD BE RETAINED FOR A MINIMUM OF 7 YEARS

This Electrical Safety Certificate also confirms that the electrical work complies with the building code for the purposes of Section 13(1)(e) of the Building Act 2004

Electrical Installation test report supporting the Electrical Certificate of Compliance

Company: ZE Electrical
 Installation ref: 17 Lyon street unit 4
 CoC ref: 568114 ESC ref: 568114
 Person testing: Devon moon Reg No: 6291876
 Date of tests: 20 08 2020
 Date of Connection: 27 08 2020

Test Equipment Information

- Multi-function tester ID: _____
- Insulation resistance tester ID: _____
- Loop tester ID: _____
- RCD tester ID: _____
- Multimeter ID: _____
- Meters have been checked for current calibration and certification.

Section 1: Visual Inspection

A visual inspection has been undertaken to confirm as far as practicable that the work completed is Electrically Safe and complies with the regulations and standards.

Parts of installation visually inspected:

- General Safety of Installation
 - Consumer Mains
 - Switchboards
 - Segregation of Services
 - Earthing System
 - MEN Link & N E Bars
 - Wiring Systems
 - Tags, Labels, Markers
- Other _____

Section 3: Installation Connection Tests and Checks

Mains conductor size: 1 core 16 mm² Cu or Al
 Main Earth conductor size: 6 mm²
 Mains protection fuse rating: 63 Amps
 kA rating of main switchboard devices: 6 kA
 Earthing system is correctly rated yes
 Phase rotation is: clockwise anti-clockwise
 Main Earth conductor current _____ (A or mA)

Section 2: Earthing and Bonding

The earthing continuity and equipotential bonding of the installation has been tested.

Main Earth continuity & resistance 0.04 Ω
 Bonding: earth bar to meter box 0.02 Ω
 Bonding: earth bar to _____ Ω
 Bonding: earth bar to _____ Ω
 Bonding: earth bar to _____ Ω
 Main Earth location: # below meter box

Section 4: Insulation Resistance Tests

Test between all current carrying conductors and earth

Mains cable Tested 7999 M Ω
 Sub-mains cables Tested _____ M Ω
 Power circuits Tested _____ M Ω
 Lighting circuits Tested _____ M Ω
 3 Ph circuits Tested _____ M Ω

Test on installation

Neutral to Earth Tested _____ M Ω
 Phase to Earth Tested _____ M Ω

#Marked at Main SWBD Yes _____
 Main Earth labeled? Yes _____
 Earth electrode resistance (if measured) _____ Ω

Section 5: Fault-loop Impedance Tests

@ Main Switchboard:
 L - N 0.28 Ω L - PE 0.30 Ω
 P.s.c.c. 800 (A) or kA
 Test on longest circuit from Main Swbd 0.76 Ω
 P.s.c.c. 384 (A) or kA
 For 3 Phase Installations:
 L1 - N _____ Ω L2 - N _____ Ω L3 - N _____ Ω
 P.s.c.c. _____ (A or kA)

Section 3: Polarity Tests


Polarity testing is critical to ensure the safety of any installation. A crossed polarity is almost certain to result in a shock or electrocution.

Polarity of supply conductors: un-energised

Continuity: Phase at point of supply to Ph - main switch
 Neutral at point of supply to main Neutral

Polarity of supply conductors: Energised

Using an independent earth (IE) test:

-  IE to Earth point on meter or switch board = _____ Volts. (should be close to 0V)
- IE to incoming supply Neutral (meter board) = _____ Volts. (should be close to 0V)
- IE to Phase at main switch or L1, L2, L3 if 3 Ø = _____ Volts. (should be around 230V)

Polarity at sub-mains and at sub-boards Yes

Section 6: Circuit Polarity & Earth Continuity

Polarity and earth continuity tests carried out on all socket outlets, p.w.s, ES light fittings, fixed appliances, etc.

- All circuits & sub circuits checked for correct polarity
- All socket outlets have correct polarity
- All outlets & connections have Earth continuity

Section 7: RCD Tests

Use additional test sheet to record full RCD tests on all RCD's, RCCD's and RCBO's

	circuit	circuit	circuit	circuit
RCD tests on Swbd RCD's	RCD1	RCD2		
Test Button Operation Checked	✓	✓		
Test at 1X rated current 0/180°	34.1	28.1		
Test at 5X rated current 0/180°	18.2	20.1		
Test at Half rated current 0/180°	7999	7999		



**RECORD OF INSPECTION (RoI) OF HIGH- RISK PRESCRIBED ELECTRICAL WORK
PURSUANT TO THE ELECTRICITY (SAFETY) REGULATIONS 2010**

Reference/Record ID Number: 270804

Issuer (Inspector) details:

Name of Inspector: Michael Hutchinson Registration #: I283361
 Email address: michaelh@2eelectrical.co.nz Telephone: 0274551944

Location of installation:

Location details: 4/17 LYON ST, FRANKTON
 Location type: Domestic Non-Domestic Accommodation Industrial Commercial
 Educational Healthcare Miscellaneous (other)

Certifying Electrical Work and Certificate of Compliance (CoC) details:

Name of Electrical worker(s): DERON MOON Registration #: E281876
 CoC details: 56804 CoC(s) attached

Certifying Electrical Work and RoI details:

What was inspected:

Existing House / Switchboard / New House / BTS
 Mains work
 MEN
 Earthing
 Loop and polarity

Specify the regulation(s) and companion standard(s), or identify the certified design, followed when carrying out the inspection:

AS/NZS 3000:2007 (A2) Part 2 Section 8
 Reg: 70 (3) (a&b)
 Reg: 73 A1 (e)

What are the results of the inspection:

Visual: Insulation: COC Loop:
 Earthing: -04 ✓ Polarity: Correct PSSC:
 Bonding: -02 ✓ Voltage: RCD:

High Risk Category:

Not to AS/NZS 3000 Part 2 – 6A(2)(a)(i) Photovoltaic system – 6A(2)(a)(iv) Electrical medical area – 6A(2)(a)(vi)
 High voltage installation – 6A(2)(a)(ii) Hazardous area – 6A(2)(a)(v) Mains work – 6A(2)(b)
 Mains parallel generation – 6A(2)(a)(iii) Animal stunning or meat conditioning – 6A(2)(c)
 Other – please describe: _____

Declaration

I hereby confirm that the work described above has been done in accordance with the regulations; and the installation on which the work has been done is, and will be, when enlivened, electrically safe.

Signature: [Signature] Date: 27-8-2020

**Electricity Industry Participation Code
Metering
Certificate Of Compliance**

Wells

Doc No. : QF_MTS_38
Issue No. : 3
CCP No. : 519
Date : 27-03-14

Customer : ASSURADA CONSO LTD ICP: 00000454801EAT99OC#: 4907957

Retailer :

Installation Address : 4/17 Lyon St
Hamilton

Client: (if different from above)



Work Description	Project / Job No Ref	High Risk	General	Low Risk
1 INSTAURAS REVENUE METER & LICENSE		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 AT PILLAR UP TO MEN		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Used	Attached	On File At Wells	Compliant with
Manufacturer's Instructions	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AS/NZS 3000 Part 2 <input checked="" type="checkbox"/> Part 1 <input type="checkbox"/>
Supplier Declarations Of Conformity		<input type="checkbox"/>	<input type="checkbox"/>	Other _____
Certified Design(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other References	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

The parts of this installation listed above are safe to connect to 230/400v MEN
The following parts of this installation are safe to connect to Other System V-239

1
2
3

Tests & Record of Inspection (as applicable)	Electrical Worker	Inspector
Visual Inspection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Polarity (independent earth if possible)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Insulation Resistance		Ω
Earth Continuity		Ω
Bonding & Earthing		Ω
Earth Loop Impedance (from MEN point)		Ω
Prospective Short Circuit Current (at MEN point)		kA
Residual Current Device Operation	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)		

Certificate of Compliance: I declare that the prescribed electrical work covered by this Certificate of Compliance has been performed and tested in accordance with the Electricity (Safety) Regulations, and that the information provided in this certificate is, to the best of my knowledge, true and correct

Certifier: _____ Signature: Adam

Employer Licence : ORG000158 (select licensing that applies) Electrical Registration: E1268159

Electrical Workers: Adam Kaman

Date Work Performed: 27-08-2020 Date Certified: 27-08-2020

Inspector: _____ Signature: _____

Inspectors Registration: _____ Date Inspected: - -

Electrical Safety Certificate: This Electrical Safety Certificate relates to work performed on the part of the installation or fitting detailed above. That part of the installation or fitting is deemed safe to use, any prescribed electrical work done on it was in accordance with the Building Act 2004, and the installation has been connected to a power supply

Certifier: Adam Kaman Signature: Adam

Electrical Registration: E1268159 Date Connected: 27-08-2020