

# JUST LISTED

OFFICE ROAD  
REAL ESTATE



## 24 Heathglen Ave, Parklands

4 Bed | 2 Bath | 2 Garage

### Further information

Please reach out with any further questions

**Andy | 0225475232**  
**andy@officeroad.co.nz**



## **Property Guru document ordering service**

---

**Certificate of Title with diagram: 13K/557**

**CoreLogic Reference: 3020156/1**

**Processed: 13 December 2021**

Sourced from Property Guru, a CoreLogic solution. For any queries about this document or this service please call 0800 355 355 or email [documentordering@corelogic.co.nz](mailto:documentordering@corelogic.co.nz).



**RECORD OF TITLE**  
**UNDER LAND TRANSFER ACT 2017**  
**FREEHOLD**  
**Search Copy**



  
R.W. Muir  
Registrar-General  
of Land

**Identifier** **CB13K/557**  
**Land Registration District** **Canterbury**  
**Date Issued** 17 June 1974

**Prior References**  
CB3B/116

---

**Estate** Fee Simple  
**Area** 620 square metres more or less  
**Legal Description** Lot 18 Deposited Plan 34107  
**Registered Owners**  
Terri Elizabeth Jane Finlay and Martin O'Leary

---

**Interests**

935054 Resolution imposing Building Line Restriction - 7.11.1973 at 9.50 am  
Fencing Provision in Transfer 32018.5 - 18.4.1975 at 11.17 am  
Land Covenant in Transfer 32018.5 - 18.4.1975 at 11.17 am  
12321076.2 Mortgage to Westpac New Zealand Limited - 8.12.2021 at 11:57 am





## Home Certificate of Insurance

**INTERMEDIARY:**

**Crombie Lockwood (NZ) Limited**

Level 2, PWC Building, 60 Cashel Street, West End

P O Box 3020 Christchurch 8140

**P** +64 3 335 3060 **F** +64 3 339 5290

**Client Name**

Terri Finlay and Martin O'Leary

**Client No**

232-0H87T

**Cover No**

1791890-003-02

**The Insurer**

Monument Insurance (NZ) Ltd as underwriting agent for:

IAG New Zealand Ltd

Vero Insurance New Zealand Ltd

**% of Cover**

80

20

**Insurer Policy No**

PLVPWOP6-3

PLVPWOP6-3

**Period of Cover**

From 07/12/21 to 16/11/22 at 4:00pm; Local Standard Time

**Policy Wording**

Crombie Lockwood Onesurance Home Insurance Policy PEPONE2

**DETAILS OF INSURANCE:**

This is to certify that a contract of insurance has been arranged as described below. Unless otherwise agreed with your Crombie Lockwood broker the standard policy benefits apply.

**Insured Name**

Terri Finlay and Martin O'Leary

**Home Location**

24 Heathglen Avenue, Parklands, Christchurch, 8083

**Year Built**

1970

**Home Total Sum Insured**

\$618,000 excluding GST

**Interested Parties**

**Name**

Westpac Bank Limited

**Address**

New Zealand

**Interested As**

Mortgagee

**Signed for an on behalf of the Insurer:**

**Signature:**

**Name:**

Andre Bristowe

**Position:**

Team Manager - Onesurance

Level 4, Crombie Lockwood Centre

100 Beaumont Street, Westhaven, Auckland

Private Bag 68910 Newton Auckland 1145

[www.monumentinsurance.co.nz](http://www.monumentinsurance.co.nz)

## Scope of Works

CLM/2011/129833



### Document explanatory note:

This document provides a summary of the earthquake damage identified by the EQC assessment team. Land, building and room by room damage is listed along with an indication of how this damage is to be repaired. A glossary of terms describing the type of damage that may be listed on your Scope of Works is provided at the end of this document.

Customer: MARTINI DARMABRATA  
Customer Address: 24 HEATHGLEN AVENUE  
PARKLANDS  
CHRISTCHURCH 8083

### Assessment of Property at 24 HEATHGLEN AVENUE, PARKLANDS, CHRISTCHURCH 8083 on 28/06/2011

#### Site

Element	Damage	Repair
Land (Exposed - Soil - 386.00 m2)		
Land (Exposed - Soil - 234.00 m2)		

#### Services

Element	Damage	Repair
Electrical/Power (Grid Under Ground - Wire - 15.00 l/m)	No Earthquake Damage	
Sewerage (Town Connection - Clay pipes - 15.00 l/m)	No Earthquake Damage	
Storm Water (Town Connection - Clay pipes - 15.00 l/m)	No Earthquake Damage	
Water Supply (Town Connection - Steel - 15.00 l/m)	No Earthquake Damage	

### Main Building

#### Exterior

#### Roof

Element	Damage	Repair
No Damage		

#### Foundations (Ring and piles)

Element	Damage	Repair
Piles (Ordinary - Timber - 1.00 item)	No Earthquake Damage	
Ring foundation (Load bearing - Concrete - 62.00 l/m)	Cracks to ring foundation	Grind out and epoxy fill cracks 0.20 l/m
Slab foundation (Concrete Slab - Concrete - .00 m2)		

#### Elevation (North elevation )

Element	Damage	Repair
Wall Cladding (Brick Veneer - Brick - 37.70 m2)	Cracking	Grind out and repoint mortar 6.00 l/m
Wall framing (Timber Frame - Timber - 37.70 m2)	No Earthquake Damage	

#### Elevation (East elevation)

Element	Damage	Repair	
---------	--------	--------	--

Wall Cladding (Brick Veneer - Brick - 52.20 m <sup>2</sup> )	Cracking	Grind out and repoint mortar	6.00 l/m
Wall framing (Timber Frame - Timber - 52.20 m <sup>2</sup> )	No Earthquake Damage		

#### Elevation (South elevation)

Element	Damage	Repair	
---------	--------	--------	--

Wall Cladding (Brick Veneer - Brick - 37.70 m <sup>2</sup> )	Cracking	Grind out and repoint mortar	4.00 l/m
Wall framing (Timber Frame - Timber - 37.70 m <sup>2</sup> )	No Earthquake Damage		

#### Elevation (West elevation)

Element	Damage	Repair	
---------	--------	--------	--

Wall Cladding (Brick Veneer - Weatherboard - 52.19 m <sup>2</sup> )	Cracking	Grind out and repoint mortar	4.00 l/m
Wall framing (Timber Frame - Timber - 52.20 m <sup>2</sup> )	No Earthquake Damage		

#### Interior

##### Ground Floor - Dining Room

Room Size: 4.20 x 5.20 = 21.84 (length(m) x width(m) = Area Size(m<sup>2</sup>))

Stud Height: 2.40 m

Element	Damage	Repair	
---------	--------	--------	--

Ceiling (Gib - Stipple - 21.84 m <sup>2</sup> )	Cosmetic Damage	Scrape off, rake out, fill, restipple	21.84 m <sup>2</sup>
Door (Internal) (BI-folding - Other - 1.00 No of)	No Earthquake Damage		
Floor (T&G - Carpet - 21.84 m <sup>2</sup> )	No Earthquake Damage		
Heating (Electric - Heat pump - 1.00 item)	No Earthquake Damage		
Wall covering (Gib - Paint - 45.12 m <sup>2</sup> )	Cosmetic damage	Rake out, plaster and paint	45.12 m <sup>2</sup>

##### Ground Floor - Kitchen

Room Size: 2.70 x 3.00 = 8.10 (length(m) x width(m) = Area Size(m<sup>2</sup>))

Stud Height: 2.40 m

Element	Damage	Repair	
---------	--------	--------	--

Ceiling (Gib - Paint - 8.10 m <sup>2</sup> )	No Earthquake Damage		
Door (Internal) (Single Hollow Core - Timber - 1.00 No of)	No Earthquake Damage		
Floor (T&G - Vinyl - 8.10 m <sup>2</sup> )	No Earthquake Damage		
Hob (Gas - Standard Spec - 1.00 Item)	No Earthquake Damage		
Kitchen joinery (Standard Spec - MDF - 1.00 Item)	No Earthquake Damage		
Range ( Free standing oven ) (Electric - Standard Electric - 1.00 item)	No Earthquake Damage		
Wall covering (Gib - Paint - 27.36 m <sup>2</sup> )	Cosmetic damage	Rake out, plaster and paint	27.36 m <sup>2</sup>
Window (Timber medium - Pane single glazed - 1.00 No of)	No Earthquake Damage		
Work top (Kitchen work top - Laminate - 9.00 l/m)	No Earthquake Damage		

##### Ground Floor - Laundry

Room Size: 2.30 x 2.70 = 6.21 (length(m) x width(m) = Area Size(m<sup>2</sup>))

Stud Height: 2.40 m

Element	Damage	Repair	
Ceiling (Gib - Paint - 6.21 m2)	No Earthquake Damage		
Door (External) (SG Single - Other - 1.00 item)			
Door (Internal) (Cavity Slider - Timber - 1.00 No of)	No Earthquake Damage		
Floor (T&G - Vinyl - 6.21 m2)	No Earthquake Damage		
Wall covering (Gib - Paint - 24.00 m2)	Cosmetic damage	Rake out, plaster and paint	1.00 m2
Wash tub (Single - Stainless Steel - 1.00 item)	No Earthquake Damage		
Window (Timber small - Pane single glazed - 1.00 No of)	No Earthquake Damage		

#### Ground Floor - Toilet

Room Size: 1.00 x 1.50 = 1.50 (length(m) x width(m) = Area Size(m2))

Stud Height: 2.40 m

Element	Damage	Repair	
Ceiling (Gib - Paint - 1.50 m2)	No Earthquake Damage		
Door (Internal) (Single Hollow Core - Timber - 1.00 No of)	No Earthquake Damage		
Floor (T&G - Vinyl - 1.50 m2)	No Earthquake Damage		
Toilet (Standard - Standard Spec - 1.00 item)	No Earthquake Damage		
Wall covering (Gib - Paint - 12.00 m2)	Cosmetic damage	Rake out, plaster and paint	1.00 m2
Window (Timber small - Pane single glazed - 1.00 No of)	No Earthquake Damage		

#### Ground Floor - Lounge

Room Size: 3.80 x 6.80 = 25.84 (length(m) x width(m) = Area Size(m2))

Stud Height: 2.40 m

Element	Damage	Repair	
Ceiling (Gib - Stipple - 25.84 m2)	No Earthquake Damage		
Floor (T&G - Carpet - 25.84 m2)	No Earthquake Damage		
Wall covering (Gib - Paint - 50.88 m2)	Cosmetic damage	Rake out, plaster and paint	3.00 m2

#### Ground Floor - Bedroom (Master bedroom)

Room Size: 3.00 x 4.80 = 14.40 (length(m) x width(m) = Area Size(m2))

Stud Height: 2.40 m

Element	Damage	Repair	
Ceiling (Gib - Paint - 14.40 m2)	No Earthquake Damage		
Floor (T&G - Carpet - 14.40 m2)	No Earthquake Damage		
Wall covering (Gib - Paint - 37.44 m2)	Cosmetic damage	Rake out, plaster and paint	2.00 m2

#### Ground Floor - En Suite

Room Size: 1.50 x 1.50 = 2.25 (length(m) x width(m) = Area Size(m2))

Stud Height: 2.40 m

Element	Damage	Repair	
No Damage			

#### Ground Floor - Hallway

Room Size: 1.00 x 5.00 = 5.00 (length(m) x width(m) = Area Size(m2))

Stud Height: 2.40 m



Element	Damage	Repair
Ceiling (Gib - Stipple - 5.00 m2)	No Earthquake Damage	
Floor (T&G - Carpet - 5.00 m2)	No Earthquake Damage	
Wall covering (Gib - Paint - 28.80 m2)	Cosmetic damage	Rake out, plaster and paint 1.00 m2

#### Ground Floor - Bedroom (Olivia's room)

Room Size: 3.00 x 3.60 = 10.80 (length(m) x width(m) = Area Size(m2))

Stud Height: 2.40 m

Element	Damage	Repair
Ceiling (Gib - Stipple - 10.80 m2)	No Earthquake Damage	
Floor (T&G - Carpet - 10.80 m2)	No Earthquake Damage	
Wall covering (Gib - Paint - 31.68 m2)	Cosmetic damage	Rake out, plaster and paint 1.00 m2

#### Ground Floor - Bedroom (Bedroom three - on right at end off hall)

Room Size: 3.30 x 3.70 = 12.21 (length(m) x width(m) = Area Size(m2))

Stud Height: 2.40 m

Element	Damage	Repair
No Damage		

#### Ground Floor - Bedroom (Bedroom four)

Room Size: 2.80 x 3.60 = 10.08 (length(m) x width(m) = Area Size(m2))

Stud Height: 2.40 m

Element	Damage	Repair
No Damage		

#### Ground Floor - Bathroom

Room Size: 2.50 x 1.70 = 4.25 (length(m) x width(m) = Area Size(m2))

Stud Height: 2.40 m

Element	Damage	Repair
Bath (Acrylic - Standard specification - 1.00 item)	No Earthquake Damage	
Bathroom Sink (Basin - Standard specification - 1.00 item)	No Earthquake Damage	
Ceiling (Gib - Paint - 4.25 m2)	No Earthquake Damage	
Door (Internal) (Single Hollow Core - Timber - 1.00 No of)	No Earthquake Damage	
Floor (T&G - Vinyl - 4.25 m2)	No Earthquake Damage	
Shower (Three sided shower - Base stainless - 1.00 m2)	No Earthquake Damage	
Toilet (Standard - Standard Spec - 1.00 item)	No Earthquake Damage	
Trim (Scotia - Plaster - 8.40 l/m)	Damaged finish	Gap fill and paint trims 1.00 l/m
Wall covering (Gib - Paint - 20.16 m2)	Cosmetic damage	Rake out, plaster and paint 20.16 m2
Window (Timber medium - Pane single glazed - 1.00 No of)	No Earthquake Damage	

#### Garage

#### Exterior

#### Roof (Corrugated iron)

Element	Damage	Repair
No Damage		

## Foundations (Slab)

Element	Damage	Repair
No Damage		

## Elevation (North elevation)

Element	Damage	Repair
No Damage		

## Elevation (East elevation)

Element	Damage	Repair
No Damage		

## Elevation (South elevation)

Element	Damage	Repair
No Damage		

## Elevation (West elevation)

Element	Damage	Repair
No Damage		

## Interior

## Scope of Works - Glossary of Terms

<b>Cosmetic Damage</b>	Cosmetic damage is used to record repairs to an element that can be done in situ e.g. minor cracking to plasterboard. For example a repair strategy may state "rake, stop and paint" and this is carried out without needing to remove or replace the damaged element. Where the plasterboard for example needs to be removed and replaced, this will be recorded as 'structural damage'.
<b>Impact Damage</b>	Impact damage is where an element or part of a building sustains earthquake damage and then breaks away or collapses causing damage to another part of the building. An example is a chimney that has collapsed and caused damage to roof tiles.
<b>Structural Damage</b>	The term structural damage is used where a repair requires an element to be removed and replaced e.g. major cracking to plasterboard or external cladding that has been dislodged. This term does not relate to the structural integrity of the building as a whole, but to the individual element only.

## Additional Information

<b>Building Terms</b>	The Department of Building and Housing website has a comprehensive list of common building terms: <a href="http://www.dbh.govt.nz/building-az-wxyz">http://www.dbh.govt.nz/building-az-wxyz</a>
-----------------------	--

Clear Engineering Services

Civil and Structural Engineers

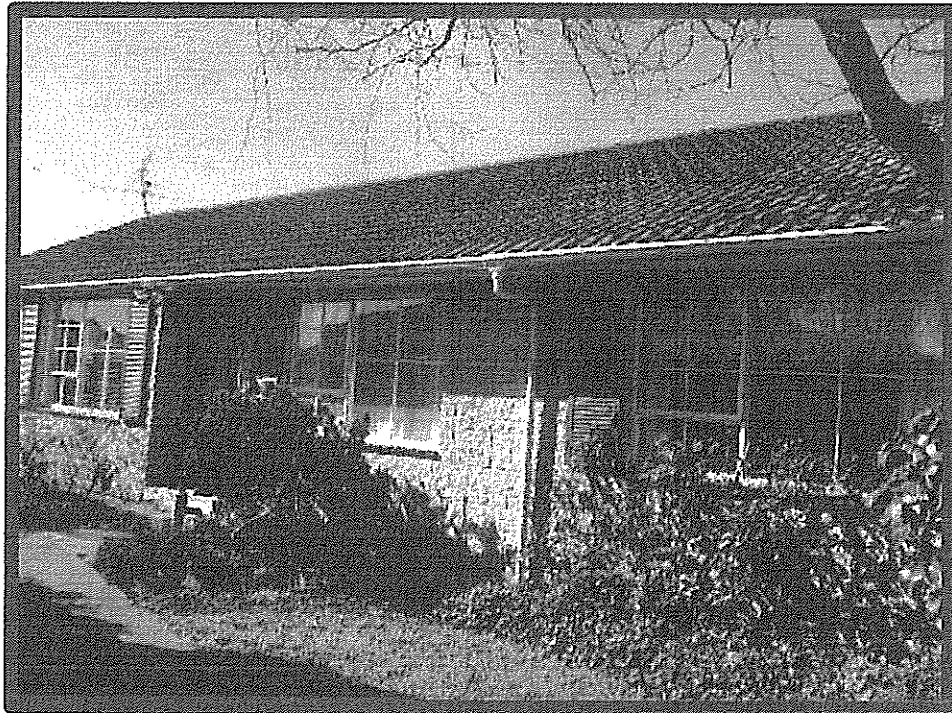
# Engineers Initial Visual Report

24 Heathglen Avenue

Parklands, Christchurch 8083

Client: Hawkins Construction

Clear Engineering Services Reference number: 814133



Clear Engineering Services.  
Civil and Structural Engineers

[www.clearengineeringservices.co.nz](http://www.clearengineeringservices.co.nz)

## Record of Issue

Company	Contact	Revision	Date Issued	Method of Delivery
Hawkins Construction Ltd	Mr Stewart Sclater	Rev 1	11/09/2014	Email

### Table of Contents

1. Introduction.....	3
2. Technical Classification.....	3
3. Structural System.....	4
4. Additional Information.....	5
5. Dwelling Observations.....	6
<b>External Observations</b> .....	6
i. Foundation - Perimeter footing of the slab.....	6
ii. External cladding.....	6
iii. Roof cladding.....	7
<b>Internal Observations</b> .....	7
i. Subfloor.....	7
ii. Suspended timber floor.....	7
iii. Internal wall and ceiling linings.....	8
6. MBIE Guidelines summary.....	8
7. Geotechnical Information.....	9
8. Conclusion.....	10
9. Limitations.....	13

## Table of Appendices

APPENDIX A: CERA LAND STATUS  
APPENDIX B: RECORDED FLOOR LEVELS  
APPENDIX C: PHOTOGRAPHS

## 1. Introduction

Hawkins Construction Ltd (Hawkins) has engaged Clear Engineering Services Ltd (Clear Engineering Services) to provide an engineer's report and repair strategy, if repairable, based on the current condition of the dwelling located at 24 Heathglen Avenue, Parklands, Christchurch (the site). The dwelling was damaged as a result of the sequence of earthquakes that commenced in the Canterbury region on 4 September 2010.

A representative from Clear Engineering Services attended site on the 28 August 2014. Our inspection was carried out in the presence of the homeowner.

No structural drawings of the existing dwelling have been sighted as part of this assessment. All observations and recommendations are based on a visual inspection only. No tests have been carried out during our site inspection.

## 2. Technical Classification

The dwelling is located in an area classified by Canterbury Earthquake Recovery Authority (CERA) as Technical Category 3 (MBIE, Dec 2012<sup>1</sup>, Section 3.1), Green Zone. Refer to Appendix A.

As per the CERA, land classified as Green Zone means that homes are suitable for repair and rebuild ([www.cera.govt.nz](http://www.cera.govt.nz)).

Further information and recommendations regarding properties within the Green Zone are available on the website, which includes:

- Land generally suitable for houses to be repaired or rebuilt.
- Property owners should talk directly with their insurer or EQC about repairs.
- EQC is currently coordinating an area-wide TC3 drilling program. The information gained from this program will help in making decisions about how to repair or rebuild foundations for houses on TC3 land.
- EQC and insurers, in consultation with the home owner, will make decisions about foundation repairs or reconstruction based on professional advice.
- Testing will not necessarily need to take place on every affected property in order to get adequate information for foundation design.
- EQC has been working closely with both Building and Housing and local councils to ensure the onsite testing will meet building consent requirements.

---

<sup>1</sup> MBIE (Ministry of Business, Innovation and Employment), December 2012, *Repairing and rebuilding houses affected by the Canterbury earthquakes*, Version 3, available from: [www.dbh.govt.nz](http://www.dbh.govt.nz)

- If additional or site-specific geotechnical information is required to determine the appropriate foundation solution for an individual TC3 property, EQC will be responsible for obtaining this information if the claims are under cap. In all other cases the insurer will be responsible for this work.
- Repair and rebuilding work should take into consideration the risk of ongoing aftershocks, so some finishing tasks such as brick and driveway concrete laying should be delayed until that risk decreases.

### 3. Structural System

The residential dwelling at 24 Heathglen Avenue, comprises a single-storey timber-framed building founded on a concrete perimeter footing and internal piles. The exterior cladding is "Summerhill Stone". (Type B2 foundation-MBIE Guidelines December 2012).

The roof is concrete tiles on timber truss construction of moderate pitch. Windows are glazed aluminium throughout and internal linings to walls and ceiling are standard 10mm plasterboard.

The ground floor is generally carpeted throughout, except for the kitchen and wet areas which have vinyl floor coverings. The dwelling was constructed in the 1970's and was purchased by the current owners approximately 8 years ago. The land block is rectangular shape, with approximate dimensions of 40 m x 16 m, and is generally flat. The dwelling is located centrally on the property block. An extension has been constructed onto the north eastern corner of the dwelling. The extension comprises a bedroom and external deck area.

The dwelling is accessed by a 30 m long driveway off Bower Avenue which stops outside the detached garage opening into a parking area.

A stand-alone garage is constructed on the northern elevation off the property block. The garage is not part of this report.

There is a garden along the northern elevation of the property. The dwelling has further improvement such as a concrete patio located along the western elevation of the dwelling.

Overall the property block has an area of approximately 640 m<sup>2</sup>. The dwelling is located approximately 12.5 m from the northern elevation boundary, approximately 9 m from the southern elevation boundary, approximately 2 m from the western elevation boundary and approximately 2 m from the eastern elevation boundary at its nearest point. The property is located 1.9 km west of the Pegasus Bay Shoreline.



True North

Picture 1: Dwelling with garage to the North.

Note: For the purpose of this report, we have rotated the property to align in a North-South axis. This is to allow the reader ease of understanding the elevations discussed. True north is as per the arrow shown above.

#### 4. Additional Information

We have been informed of the following by the homeowners:

- No structural changes to the dwelling have taken place in the owner's period of ownership.
- The damage to the dwelling occurred as a result of the 22 February 2011 earthquake event. Minimal damage had occurred to the dwelling during the 4 September 2010 earthquake event. The damage was exacerbated during the 13 June 2011 earthquake event and subsequent events.
- The owner has carried out repairs by way of easing doors to allow continued use.

---

Clear Engineering Services.  
Civil and Structural Engineers

[www.clearengineeringservices.co.nz](http://www.clearengineeringservices.co.nz)

- There is no chimneys at the dwelling.
- There is no leaking occurring through the roof.
- Liquefaction ejecta material was not observed on the property.

## 5. Dwelling Observations

### External Observations

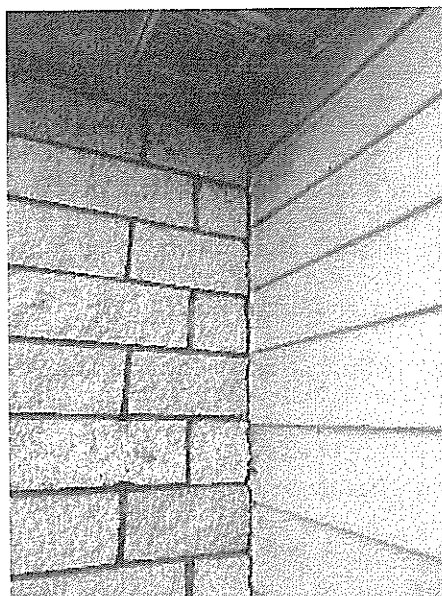
#### i. Foundation - Perimeter footing of the slab

The perimeter footing is visible for the most part. No damage was observed to the western elevation perimeter footing. A crack, 2mm wide, was observed through the footing on the southern elevation. Two cracks, one hairline and one 2 mm wide, were observed through the perimeter footing on the eastern elevation. The northern elevation perimeter footing is concealed by a timber deck preventing inspection, the footing is visible outside the extension and no damage was observed.

#### ii. External cladding

The Summerhill Stone cladding was observed as loose on all elevation with diagonal cracks up to a maximum of 4 mm wide evident. The cracks were initiating of window and door frames.

The extension onto the north eastern corner of the dwelling is clad on two sides with horizontal plastic boards. Separation has occurred at the joint between the Summerhill Stone and the plastic boards. Refer Picture 2 below.



Picture 2: Separation between Summerhill Stone and plastic cladding

---

Clear Engineering Services.  
Civil and Structural Engineers

[www.clearengineeringservices.co.nz](http://www.clearengineeringservices.co.nz)



### **iii. Roof cladding**

We observed the roof from ground level. The concrete tile cladding appeared to be positioned correctly. An in-depth inspection of the roof may provide further indication of damage. No leaks have been recorded through the roof structure.

## **Internal Observations**

### **i. Subfloor**

The subfloor comprises concrete tapering piles supporting timber bearers, 100 mm x 70 mm, and timber joist, 100 mm x 50 mm. The piles are tied to the bearers using 2 wire dogs either side of the bearer. Insulation is present in the subfloor which the owners installed after the 22 February 2011 earthquake event.

No damage was observed in the subfloor however our inspection was limited due to access safety concerns.

### **ii. Suspended timber floor**

As the floor coverings are still in place, a comprehensive investigation of the extent of damage to the timber flooring could not be undertaken.

Falls were noticeable in the dining room and a bedroom (located centrally on the western elevation). The remaining floors were all sloping, however, not excessively within the boundaries of individual rooms.

The vinyl floor covering were undamaged with no distortion evident however the carpets did appear distorted in all rooms.

### **Floor Level Survey**

Post-earthquake floor levels have been recorded for the footprint of the dwelling and have been transposed onto a Floor Level Plan by Clear Engineering Services. A copy of the Floor Level Plan is attached in Appendix B.

The recorded floor levels suggest a total vertical displacement over the footprint of the dwelling of approximately 86 mm. Local floor variations greater than 1 in 200 between two points greater than 2m apart were recorded in the majority of the rooms. The floor level survey provided evidence of tilting occurring in the slab with a fall from a high point in the bedroom located in the south eastern corner of the dwelling to a high point in the master bedroom (north eastern corner of the dwelling).

### iii. Internal wall and ceiling linings

The integrity of existing wall linings/bracing elements of the dwelling was assessed in accordance with section 7.2 of the MBIE Guidelines.

Minor damage was observed to plasterboard wall linings, with maximum cracking of 1 mm wide recorded in all internal rooms. The cracks initiated off window and door frames

The damage is expected to require a cosmetic repair only.

## 6. MBIE Guidelines summary

	Recorded	Comment	T
TC3 Foundation Settlement	<100	Less than expected range ( <i>Moderate</i> )	All
Stump tilt	<15/1000	Stump structural repair not indicated	A
Perimeter footing cracks	<5	Footing structural repair not indicated	B,C
Floor Slope ( <i>min 2m apart</i> )	>0.5% 1:200	Floor re-level indicated	All
Lateral Stretch	<20	Footing repair not indicated	All
Plan settlement	>50, <100	Foundation re-level indicated Repack and/or stump replacements <sup>4,2</sup> Re-level in accordance with DBH T4.1	A,B
Unreinforced Masonry Walls	Restrain damage at floor & roof level	Repair to pre-damage strength only.	B,C
Wall lining acts as bracing	Pre 1978	Assume additional wall bracing is present	All
Minor internal lining damage	Yes	Cosmetic repairs shall suffice No skirting board movement To plasterboard scrape out stopping, re-top, repair and paint	All
Moderate cracking in masonry wall	Yes	May indicate loss of strength and should be replaced.	All

## 7. Geotechnical Information

We have been provided with the results of a site specific Geotechnical Report carried out by Coffey, reference number GENZCHRI15217AUE and dated 18-6-2014.

We note the following Executive Summary and Foundation Relevel Options

### EXECUTIVE SUMMARY

#### Site summary

Mapped MBIE Technical Category	TC3
Existing MBIE foundation type	Type B2
Existing cladding type as per MBIE	Heavyweight
Existing roof type as per MBIE	Heavyweight
Vertical land settlement SLS Index Value	10 to 45 mm
Vertical land settlement ULS Index Value	85 to 130 mm
Assessed global lateral movement category (at ULS)	Minor to Moderate 0 to 300 mm
Assessed lateral stretch category (at ULS)	Minor Less than 100 mm
Assessed MBIE Technical Category for foundation design	TC2/TC3
Site located with the CCC City Plan FMA	No

#### Foundation repair / re-level / options

Foundation Type	Repair Strategy	Design Parameters
Concrete perimeter foundation	Re-level using: <ul style="list-style-type: none"> <li>• Portable jacks*</li> <li>• Screw piles with portable jacks</li> <li>• Low mobility grout (LMG) or engineered resin</li> </ul>	200 kPa GUBC below 0.5 mbgl.  300 KPa GUBC below 0.7 mbgl for installation of temporary screw piles (refer Section 6.3 of this report)  Refer to MBIE Guidance Appendix A1 for details.
	Repair cracks (based on aperture): <ul style="list-style-type: none"> <li>• 1 to 10 mm – epoxy injection</li> <li>• 10 to 20 mm – grout injection</li> </ul>	Refer to MBIE Guidance Appendix A4.4 for details.  Recast sections of slab must be dowelled into the existing slab.
Pile replacement	Pack piles where appropriate (to be advised by the structural engineer)  Replace where required	200 kPa GUBC below 0.5 mbgl (refer Section 6.5 of this report for further discussion)  Refer to MBIE Guidance Appendix A1.1.1 and NZS 3604.

## 8. Conclusion

The basis of the dwelling structural repairs is the reinstatement to an as new condition taking into account Section 112 of the Building Act. The recommended repairs are based on ensuring the dwelling continues to comply with the Building Code clause B1, to at least the same extent as when new.

Assuming that the dwelling was competently designed and constructed in accordance with the relevant standards at the time of construction, we believe that this approach is practical. We note that the dwelling's superstructure has demonstrated reasonable structural performance throughout all of the earthquake events. We also note that we have not completed a comprehensive review of the existing dwelling against compliance with the current requirements of clause B1, in accordance with Section 112 of the Building Act. We have also assumed that all current building works are legal and consented

The dwelling at 24 Heathglen Avenue has suffered differential settlement in the range of 86 mm. 'Tilt' settlement appeared to be occurring throughout the internal flooring with the

greatest settlement occurring towards the south eastern elevation. Refer **Appendix B-Floor levels**.

Using the MBIE Guidelines as a guideline we have attached **Figure 14.1** from the guidelines which deals with level differential, foundation repair strategies etc for Type B properties (suspended timber floors) in Technical Category 3 locations.

We have also attached **Table 2.3** from the MBIE Guidelines which provides guidance on the repair and rebuild required for damaged floor structures. We have placed a blue box around the column relevant to 24 Heathglen Avenue

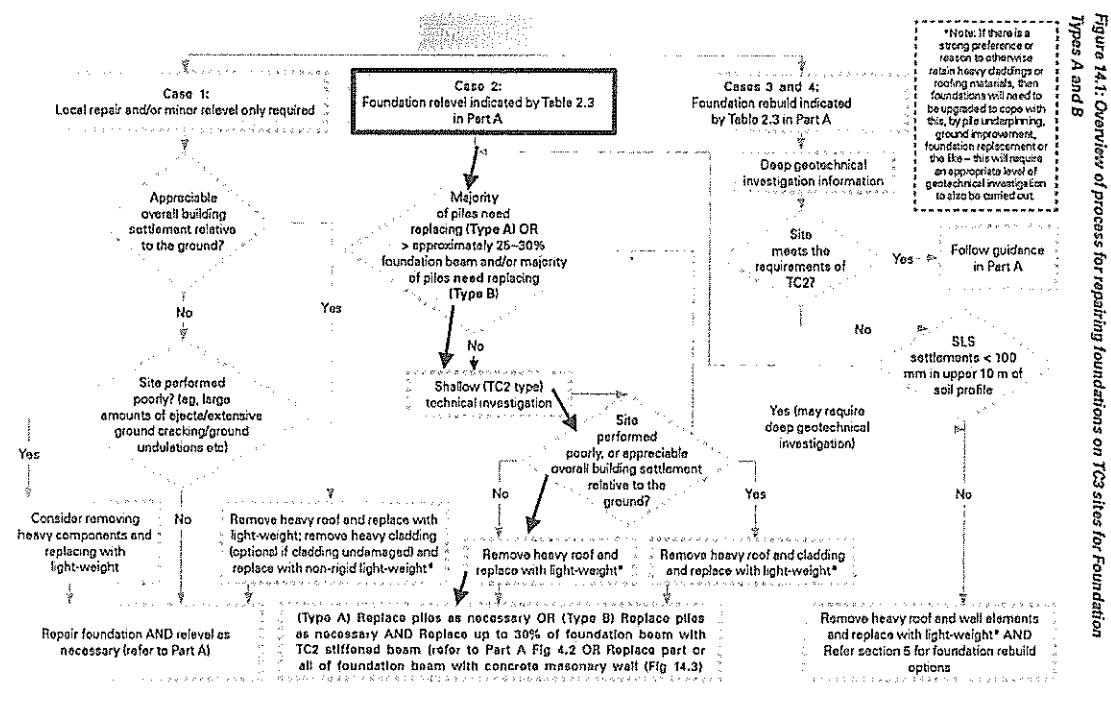


Table 2.3: Indicator criteria for floor/foundation releval or rebuild (see also Figure 2.2)

Column 1	Column 2	Column 3	Column 4	Column 5
Floor type	NO foundation releval considered necessary	Foundation releval indicated	Foundation rebuild indicated (Partial or full)	House rebuild may be indicated
Type A Timber-framed suspended timber floor structures supported only on piles	The slope of the floor between any two points >2 m apart is <0.5% (1 in 200) (Note a) and The variation in level over the floor plan is <50 mm	The variation in floor level is >50 mm and <100 mm Note that the floor releval is expected to be achieved by packing the piles	The variation in floor level is >100 mm (Note c) over the floor plan or The floor has stretched >50 mm (Note d) Note that full or partial re-piling is expected to be undertaken to achieve a level floor	The house has fully or partially collapsed off the piles and repair may be uneconomic This will relate to the degree of superstructure damage (Note f)
Type B Timber-framed suspended timber floor structures with perimeter concrete foundation	The slope of the floor between any two points >2 m apart is <0.5% (1 in 200) (Note a) and The variation in level over the floor plan is <50 mm	The variation in floor level is >50 mm and <100 mm (Note b)	The variation in floor level is >100 mm (Note c) over the floor plan or The floor has stretched >20 mm (Note e)	The house has fully or partially collapsed off the piles and repair may be uneconomic This will relate to the degree of superstructure damage (Note f)
Type C Timber-framed dwelling on concrete floor	The slope of the floor between any two points >2 m apart is <0.5% (1 in 200) (Note a) and The variation in level over the floor plan is <50 mm and There are no cracks in ceramic floor tiles and There is no distress in vinyl floor coverings or carpet	The variation in floor level is >50 mm and <150 mm and Services are functioning	The variation in level over the floor plan is >150 mm or There is irreparable damage to buried services within the house footprint	This will relate to the degree of superstructure damage (Note f)

Table 2.3 from the MBIE Guidelines

Since this vertical settlement over the building's footprint is greater than 50 mm and less than 100mm, in accordance with Table 2.3 of the MBIE "Guidance - Repairing and Rebuilding Houses Affected by the Canterbury Earthquakes – Version 3 (December 2012)", a foundation releval is indicated to return the dwelling to an acceptable floor level standard.

The existing timber floor will need to be re-levelled until there is no falls in the flooring over a distance of 2 m or more less than 1:200 (V:H) To achieve this it is proposed that the existing piles of the dwelling can be jacked and packed or trimmed as required to releval the structure.

The perimeter footing should be underpinned as required to lift the perimeter of the flooring to the required level. The results of the geotechnical investigation should be made available to the repairs contractor to determine founding depths of the temporary lifting jacks.

The timber deck along the northern elevation will need to be disengaged from the dwelling to allow the releveling works, modifying to suit the revised height. The concrete patio is recommended to be demolished and replaced with a timber deck also.

Plasterboard linings have incurred minor cracking damage around re-entrant corners. The dwellings bracing function is not thought to have been compromised. Cosmetic repairs only will be required.

The external cladding has failed on all elevation. Further unseen damage such as sheared wall ties may be present. It is recommended that the external cladding is completely removed and replaced with a cladding of equal or lesser weight per m<sup>2</sup>.

The existing heavy weight roof appears adequate, however, as per table 14.1 of the MBIE Guidelines, we recommend that the heavy weight roof be removed and replaced with a lightweight alternative.

Generally, the dwelling has not undergone severe structural damage and we believe the dwelling to be repairable.

## 9. Limitations

We have prepared this report in accordance with the brief as provided. Our brief is to carry out an initial visual inspection of the dwelling and if repairable, determine a repair strategy for the named dwelling taking into account the existing condition of the dwelling only. The MBIE Guidelines and relevant New Zealand Standards have been used as a reference point in our recommendations. This site visual investigation and relevant engineering report has been carried out for and prepared solely for the use of Hawkins Construction Ltd. No liability is accepted in respect of its use for any other purpose or by any other person or entity. It should be noted that Clear Engineering Services Ltd has not carried out any detailed structural assessment when producing this visual engineering report.

Any opinions or recommendations expressed in this report are based on a visual site assessment only and are liable to change in the event of new evidence or information becoming available. Any concealed damage, such as where floor covering has not been lifted, not identifiable from a visual site investigation, will not be recorded or addressed in this report. Any information pertaining to the site, which has not been available to Clear Engineering Services Ltd prior to the issue of this report, and is made available to Clear Engineering Services Ltd after the issue of this report may render this report as null and void and a new visual assessment on the dwelling may be required.

---

Clear Engineering Services.  
Civil and Structural Engineers

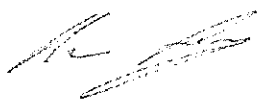
Hawkins Construction Ltd  
24 Heathglen Avenue  
Parklands, Christchurch 8083

We recommend any professional bodies or individual personnel, not employed by the client, carry out their own assessment on the named dwelling to satisfy themselves that the information contained in this report is true and accurate prior to acting on the assessment or recommendations based in this report. Clear Engineering Services Ltd accept no liability for incorrect interpretation of this report.

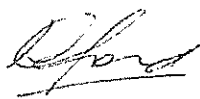
All recommendations stated in this report are intended to address existing and visible structural damage. The recommendations are not intended to improve the structural adequacy of the existing building structure. Clear Engineering Services Ltd do not express or imply that the discussed dwelling is structurally safe.

Clear Engineering Services Ltd has not visited the named dwelling prior to the Canterbury earthquake sequence commencing on 4 September 2010. This report has been reviewed by the named person based on the evidence provided in the report. The reviewer has not attended site.

For and on behalf of Clear Engineering Services Ltd (NZ)



Alan Murphy  
BEng Civil (Hons), GIPENZ, MIEAust  
Project Manager



Damian Ford  
BE Civil, CPEng(NZ), MIPENZ(1018259)  
NPER, CPEng(Aus), MIEAust(398784)

---

Clear Engineering Services.  
Civil and Structural Engineers

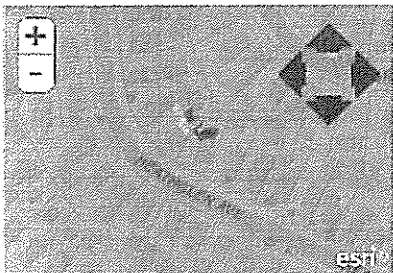
[www.clearengineeringservices.co.nz](http://www.clearengineeringservices.co.nz)



## Appendix A: CERA Land Status



[Home](#) [My Property](#) [Recovery Strategy](#)



**Search for another property**

24 HEATHGLEN AVENUE PARKLANDS

### In your local community

Information about, and contact details of, local residents' associations and community groups.

- CanCERN
- Parklands Residents' Association Inc

### 24 HEATHGLEN AVENUE PARKLANDS 8083

**6** Green Zone, Technical Category 3, blue

[Land status](#) [FAQ](#) [Conditions of use](#) [Support](#)

**Land classified as green means that homes are suitable for repair and rebuild.**

**Key points to note**

- Land generally suitable for houses to be repaired or rebuilt.
- Property owners should talk directly with their insurer or EQC about repairs.
- EQC is currently coordinating an area-wide TC3 drilling programme. The information gained from this programme will help in making decisions about how to repair or rebuild foundations for houses on TC3 land.
- EQC and insurers, in consultation with the home owner, will make decisions about foundation repairs or reconstruction based on professional advice.
- Testing will not necessarily need to take place on every affected property in order to get adequate information for foundation design.
- EQC has been working closely with both Building and Housing and local councils to ensure the onsite testing will meet building consent requirements.
- If additional or site-specific geotechnical information is required to determine the appropriate foundation solution for an individual TC3 property, EQC will be responsible for obtaining this information if the claims are under cap. In all other cases the insurer will be responsible for this work.
- Repair and rebuilding work should take into consideration the risk of ongoing aftershocks, so some finishing tasks such as brick and driveway concrete laying should be delayed until that risk decreases.

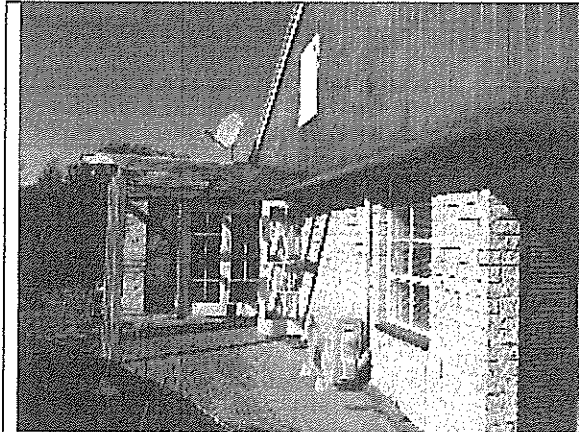
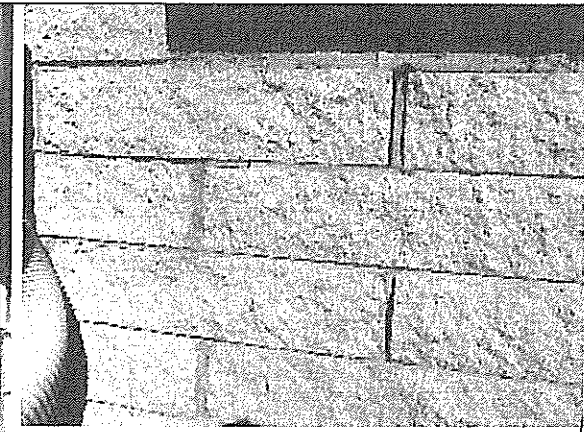
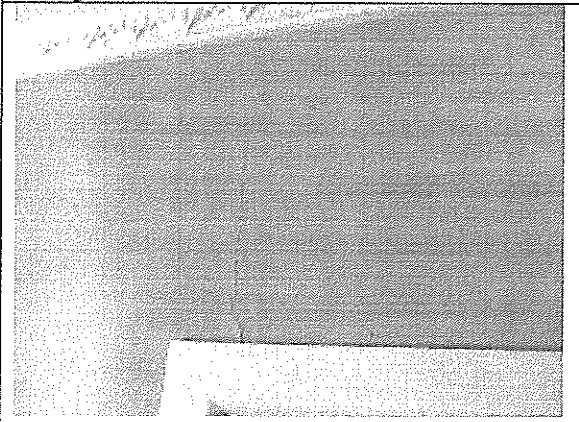
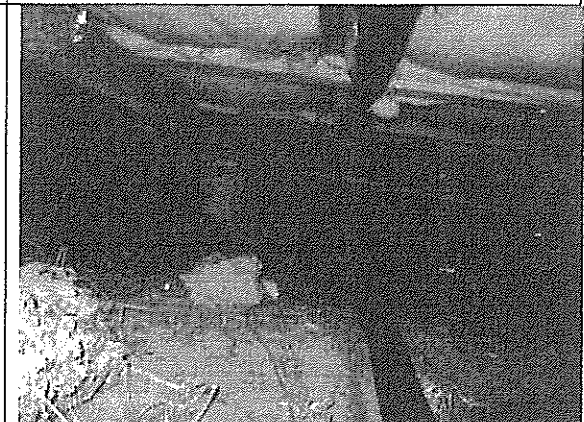
[Further information about the EQC TC3 drilling programme »](#)

**What does Technical Category 3 (TC3, blue) mean?**

Some properties in the green zone have experienced liquefaction-related land damage and considerable settlement during the sequence of Canterbury earthquakes. While land in the green zone is still generally considered suitable for residential construction, houses in some areas will need more robust foundations or site foundation design where foundation repairs or rebuilding are required.



# Appendix C: Photographs

	
Photo 1: Timber deck with extension to background	Photo 2: Cladding damage
	
Photo 3: Typical internal lining damage	Photo 4: Subfloor

**W2NZ Ltd**  
Christchurch

## **Re: 24 Heathglen Avenue – Final Inspection**

---

### **Scope**

FIL Engineers NZ Ltd. has been engaged by W2NZ Ltd to carry out the final inspection of the dwelling following the completion of the earthquake-related repairs. The following documents have been sighted as part of this report.

- a. FIL Engineers' report dated 30 June 2020
- b. Christchurch City Council document no. BCN/2020/4406 dated 21<sup>st</sup> July 2020.
- c. Producer Statement PS3

It carried out an inspection on 9<sup>th</sup> September 2020 and has subsequently prepared an assessment of the dwelling.

### **Dwelling Background**

The dwelling is a single-storey residential built during the 1970s. It has concrete ring beam and internal piles with Summerhill Stone cladding. FIL Engineers assessed the dwelling after the completion of the repair work. Given below is our observation following the completion of the repairs.

### **Document review and site observations**

<b>Room/Location</b>	<b>Commentary</b>
Floor Level	<p>The final floor variation is 12 mm.</p> <ul style="list-style-type: none"><li>- No re-levelling required.</li><li>- Refer attached as-built level plan.</li><li>- Refer PS3 supplied by the contractor.</li></ul>
External Cladding	<ul style="list-style-type: none"><li>- Damage to the Summerhill Stone cladding has been repaired.</li></ul>
Internal Walls and Ceiling	<ul style="list-style-type: none"><li>- Damage to the internal walls and ceiling has been repaired.</li></ul>
Foundation	<ul style="list-style-type: none"><li>- Damage to the perimeter foundation has been repaired. PS3 supplied by the contractor.</li></ul>

## Conclusion

Based on the observation of the site, comparison with the engineers' report and the producer statement supplied by the LBP builder, I believe that the repair work in the dwelling has complied with the recommendations outlined in our report and clauses B1/B2 in the Building Code.

## Limitations

The statements contained in this report are prepared solely on the basis of the visual and non-intrusive walk-around inspection of the building. This for the purpose of the buildings' compliance only with the reports and documentation listed in the scope of this report.

FIL Engineers make no warranties as to the compliance of part or parts of the building that were not able to be observed or inspected.

It remains the owner's sole responsibility to establish and maintain all other elements of the property in conformity with all building regulations and by-laws.

Any workmanship relating to Restricted Building Works (RBW) as defined in the Building Act 2014 should be covered by a licensed building practitioner (LBP) who is qualified in the field.

No part of this report should be reproduced, distributed or communicated to any third party. We do not accept any liability if this report is used for an alternative purpose from which it is intended, nor to any third party in respect of this report.

In the case of further queries, please feel free to contact the undersigned.

Sincerely,  
On behalf of FIL Engineers



### Andre Boiser

Senior Structural Engineer  
BSCE, M.Eng, CMEngNZ, IntPE(NZ), CPEng

Incl:

PS3, PS4 and inspection photos

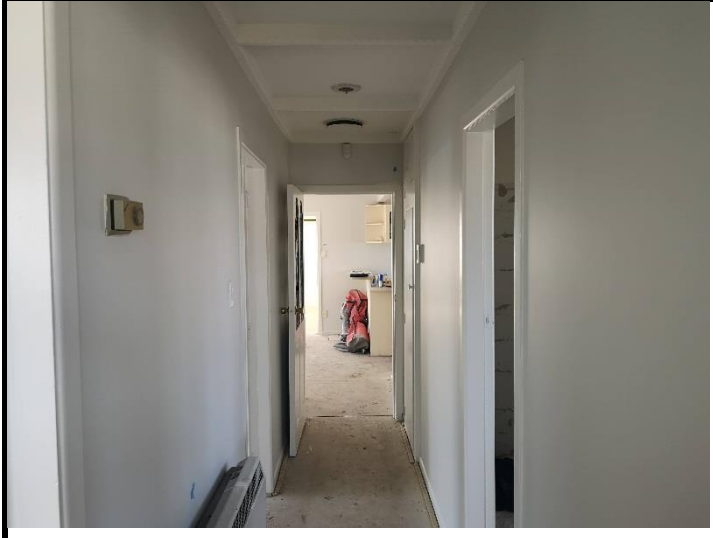
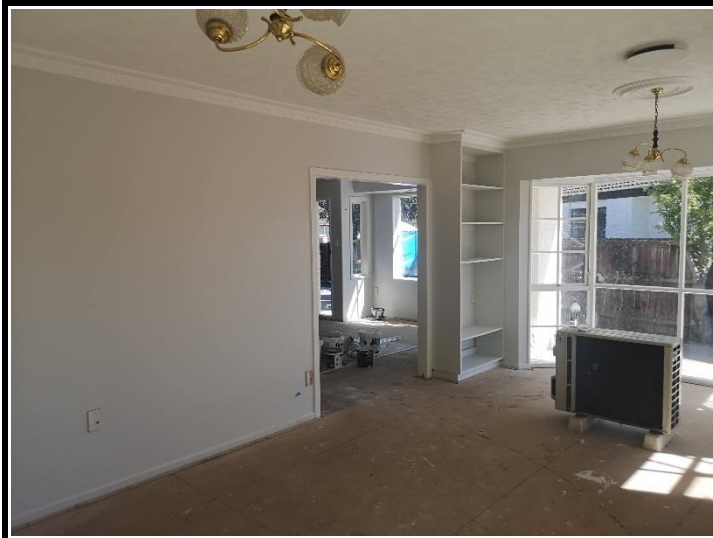


# INSPECTION PHOTOS





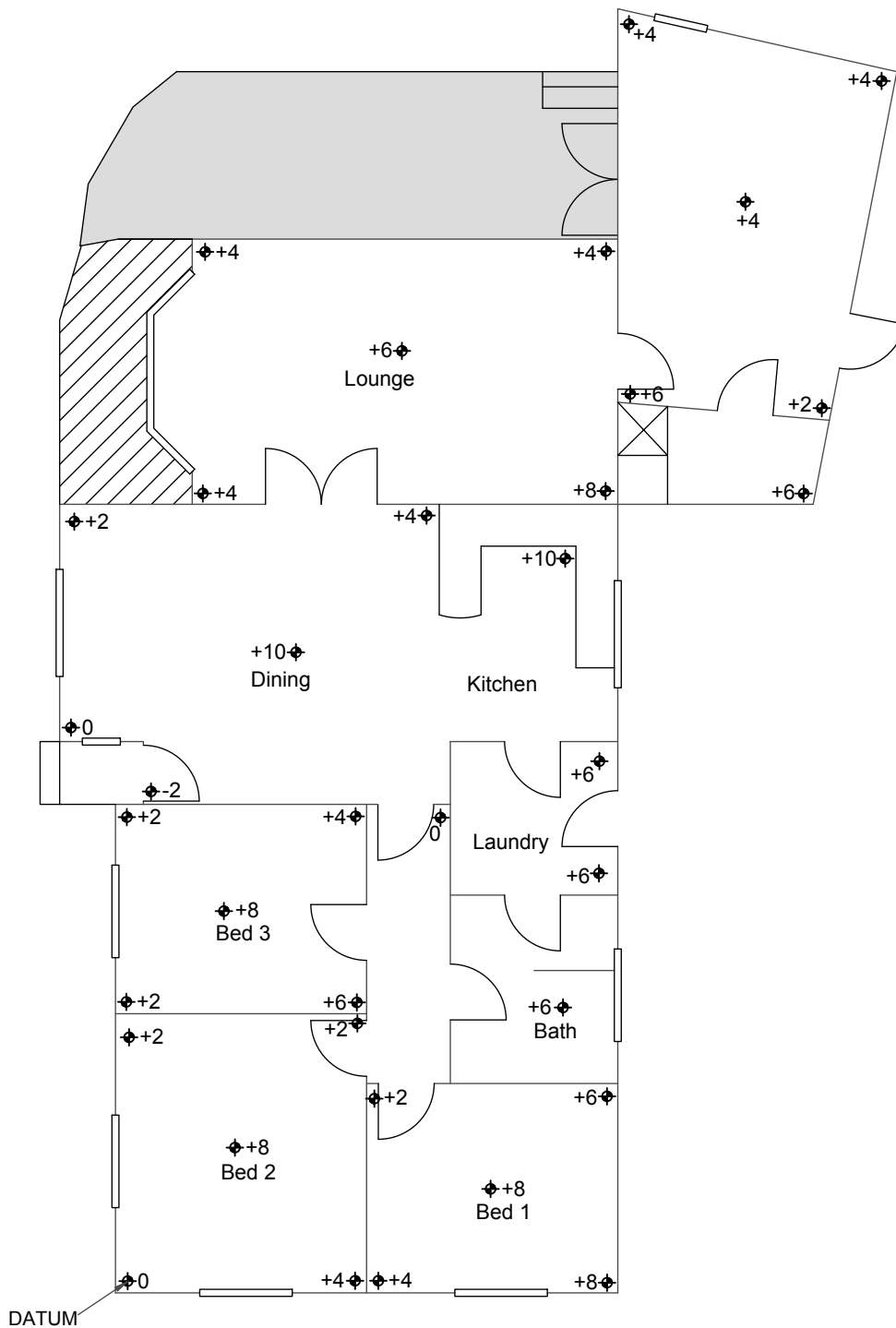
INSPECTION PHOTOS



INSPECTION PHOTOS







**AS-BUILT PLAN**  
SCALE 1:100

**NOTES:**

- Do not scale drawings of the sheet.
- Dimensions take precedence over scale.
- Confirm boundaries & level prior to commencing the works.
- Where discrepancies occurs seek clarification before proceeding on an assumption.
- Read drawings in conjunction with project specification & consultant drawings.

PROJECT ADDRESS:	DRAWING TITLE:	Designed By: A.A	Drawing No.:
24 HEATHGLEN AVENUE, PARKLANDS, CHRISTCHURCH 8083, NEW ZEALAND	AS-BUILT PLAN	Checked By: A.B	AB-1
		Drawn By: C.L / F.C / Y.B	
		Date: 10 SEPTEMBER 2020	
		Scale / Sheet: AS SHOWN	





Consenting & Compliance Group

# Producer statement construction (PS3)

All sections of this PS3 must be completed

Tick applicable Contractor for:

- |   |   |   |                                    |
|---|---|---|------------------------------------|
| <input checked="" type="checkbox"/> Building  | <input type="checkbox"/> Emergency Lighting | <input type="checkbox"/> Cladding         | <input type="checkbox"/> Escalator |
| <input type="checkbox"/> Waterproof Membranes | <input type="checkbox"/> Drainlayer         | <input type="checkbox"/> Fire Alarm       | <input type="checkbox"/> Lift      |
| <input type="checkbox"/> Mechanical (HVAC)    | <input type="checkbox"/> Solar Heating      | <input type="checkbox"/> Other (specify): |                                    |

Author name:

CALLUM FRANCIS

Author company:

FRANCIS BUILDING SOLUTION

Site address:

24 HEATHGLEN AVE

Description of building work:

RELEVELLING

Owners Details:

HADAR ORKIBI

Scope of work covered by statement:

RELEVELLING

System/Product used (if applicable):

ENGINEERS PSI(FIL)

I (constructor):

CALLUM FRANCIS  
HADAR ORKIBI

have been engaged by

(applicant, designer, main contractor etc)  
to construct:

☒ part ☐ all

As specified in the attached particulars of Building Consent Number:

and its attached conditions

I am satisfied on reasonable grounds that the building work specified above has been completed to the extent required by that Building Consent and complies with the NZ Building Code.

NZBC clauses:  
(select as applicable)

- |  |  |                             |                             |                             |                             |                              |                              |                              |                              |                              |                              |
|--|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| <input checked="" type="checkbox"/> B1 | <input checked="" type="checkbox"/> B2 | <input type="checkbox"/> C1 | <input type="checkbox"/> C2 | <input type="checkbox"/> C3 | <input type="checkbox"/> C4 | <input type="checkbox"/> C5  | <input type="checkbox"/> C6  | <input type="checkbox"/> D1  | <input type="checkbox"/> D2  | <input type="checkbox"/> E1  | <input type="checkbox"/> E2  |
| <input type="checkbox"/> E3            | <input type="checkbox"/> F1            | <input type="checkbox"/> F2 | <input type="checkbox"/> F3 | <input type="checkbox"/> F4 | <input type="checkbox"/> F5 | <input type="checkbox"/> F6  | <input type="checkbox"/> F7  | <input type="checkbox"/> F8  | <input type="checkbox"/> G1  | <input type="checkbox"/> G2  | <input type="checkbox"/> G3  |
| <input type="checkbox"/> G4            | <input type="checkbox"/> G5            | <input type="checkbox"/> G6 | <input type="checkbox"/> G7 | <input type="checkbox"/> G8 | <input type="checkbox"/> G9 | <input type="checkbox"/> G10 | <input type="checkbox"/> G11 | <input type="checkbox"/> G12 | <input type="checkbox"/> G13 | <input type="checkbox"/> G14 | <input type="checkbox"/> G15 |
| <input type="checkbox"/> H1            |  |                             |                             |                             |                             |                              |                              |                              |                              |                              |                              |

I understand that this Producer Statement, if accepted, may be relied on by the Council for the purpose of establishing compliance with the Building Consent.



Registration No:  Or ☐ N/A

Qualifications/Experience:

LBP

Address:

Postcode:

3 Saverby Place

Phone:

Fax:

Mobile:

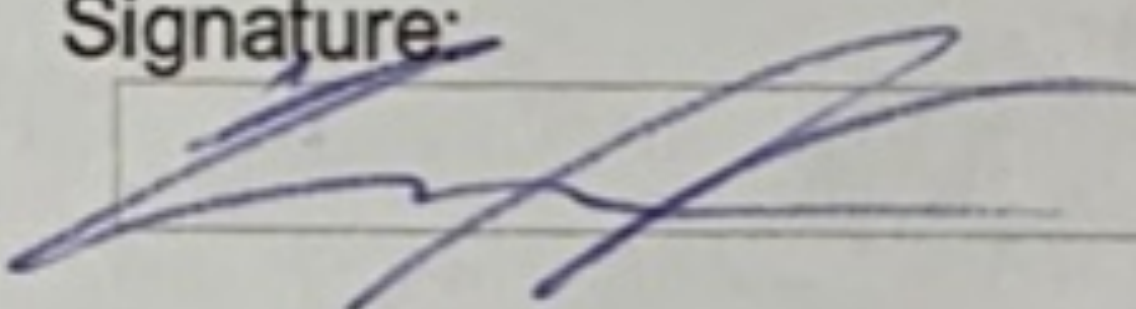
Email:

027 932 4158

CALLUM@FRANCISBUILDINGS.CO.NZ

Signature:

Date:



30/08/20



## Consenting & Compliance Group

# Producer statement construction (PS3)

**All sections of this PS3 must be completed**

Tick applicable Contractor for:

- |   |   |  |                                    |
|---|---|--|------------------------------------|
| <input type="checkbox"/> Building             | <input type="checkbox"/> Emergency Lighting | <input checked="" type="checkbox"/> Cladding | <input type="checkbox"/> Escalator |
| <input type="checkbox"/> Waterproof Membranes | <input type="checkbox"/> Drainlayer         | <input type="checkbox"/> Fire Alarm          | <input type="checkbox"/> Lift      |
| <input type="checkbox"/> Mechanical (HVAC)    | <input type="checkbox"/> Solar Heating      | <input type="checkbox"/> Other (specify):    |                                    |

Author name:

Martin Meddins

Author company:

MJM Brick & Block LTD

Site address:

24 Heathglen Avenue

Description of building work:

Grind out and repoint minor step cracking

Owners Details:

W2NZ LTD

Scope of work covered by statement:

Cladding

System/Product used (if applicable):

I (constructor): **Martin Meddins** have been engaged by **W2NZ LTD** (applicant, designer, main contractor etc) ☐ part ☐ all to construct:

As specified in the attached particulars of Building Consent Number: \_\_\_\_\_ and its attached conditions

I am satisfied on reasonable grounds that the building work specified above has been completed to the extent required by that Building Consent and complies with the NZ Building Code.

NZBC clauses:  
*[select as applicable]*

- |  |                             |                             |                             |                             |                             |                              |                              |                              |                              |                              |                              |
|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| <input checked="" type="checkbox"/> B1 | <input type="checkbox"/> B2 | <input type="checkbox"/> C1 | <input type="checkbox"/> C2 | <input type="checkbox"/> C3 | <input type="checkbox"/> C4 | <input type="checkbox"/> C5  | <input type="checkbox"/> C6  | <input type="checkbox"/> D1  | <input type="checkbox"/> D2  | <input type="checkbox"/> E1  | <input type="checkbox"/> E2  |
| <input type="checkbox"/> E3            | <input type="checkbox"/> F1 | <input type="checkbox"/> F2 | <input type="checkbox"/> F3 | <input type="checkbox"/> F4 | <input type="checkbox"/> F5 | <input type="checkbox"/> F6  | <input type="checkbox"/> F7  | <input type="checkbox"/> F8  | <input type="checkbox"/> G1  | <input type="checkbox"/> G2  | <input type="checkbox"/> G3  |
| <input type="checkbox"/> G4            | <input type="checkbox"/> G5 | <input type="checkbox"/> G6 | <input type="checkbox"/> G7 | <input type="checkbox"/> G8 | <input type="checkbox"/> G9 | <input type="checkbox"/> G10 | <input type="checkbox"/> G11 | <input type="checkbox"/> G12 | <input type="checkbox"/> G13 | <input type="checkbox"/> G14 | <input type="checkbox"/> G15 |
| <input type="checkbox"/> H1            |                             |                             |                             |                             |                             |                              |                              |                              |                              |                              |                              |

I understand that this Producer Statement, if accepted, may be relied on by the Council for the purpose of establishing compliance with the Building Consent.

Registration No:  Or ☐ N/A

Qualifications/Experience:

City & guilds /20 years

Address:

10 Seafeld place south Brighton

Postcode:

8062

Phone:

Fax:

Mobile:

0210317126

Email:

Martinmeddins@gmail.com

Signature:



Date:

04/09/20

## PRODUCER STATEMENT – PS4 – CONSTRUCTION REVIEW

(Guidance on use of Producer Statements (formerly page 2) is available at [www.engineeringnz.org](http://www.engineeringnz.org) )

ISSUED BY: FIL ENGINEERS NZ LTD  
(Construction Review Firm)

TO: W2NZ Ltd  
(Owner/Developer)

TO BE SUPPLIED TO: Christchurch City Council  
(Building Consent Authority)

IN RESPECT OF: Foundation Re-levelling  
(Description of Building Work)

AT: 24 Heathglen Avenue, Parklands, Christchurch 8083  
(Address)

Town/City: Christchurch LOT 18 DP 34107 SO  
(Address)

We FIL ENGINEERS NZ LTD have been engaged by W2NZ Ltd  
(Construction Review Firm)

To provide ☐ CM1 ☒ CM2 ☐ CM3 ☐ CM4 ☐ CM5 (Engineering Categories) or ☐ observation as per agreement with  
owner/developer W2NZ Ltd

or ☐ other .....services  
(Extent of Engagement)

in respect of clause(s) B1-Structures of the Building Code for the building work described in

documents relating to Building Consent No. BCN/2020/4406 and those relating to

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

Authorised instructions/variation(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-Structures  
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, Andresito M. Boiser, Jr. am: ☒ CPEng .1013416.. # ☐ Reg Arch ..... #  
(Name of Construction Review Professional)

I am a member of: ☒ Engineering New Zealand ☐ NZIA and hold the following qualifications BSCE, MEngSt, CMEngNZ, IntPE, 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 ACENZ: ☒

SIGNED BY Andresito M. Boiser, Jr. (Signature)   
(Name of Construction Review Professional)

ON BEHALF OF FIL ENGINEERS NZ LTD Date 10/09/2020  
(Construction 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 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 ACENZ, ENGINEERING NEW ZEALAND AND NZIA