

Form 7

Code Compliance Certificate **BC171675**

Section 95, Building Act 2004

The building

Street address of building: 5 Catchpole Place WOODEND

Legal description of land where building is located: LOT 20 DP 500690 0.062500 Ha

Valuation number: 2161105720

Building name:

Location of building within site/block number:

Level/unit number: 1

Current, lawfully established, use: Housing - Detached dwellings

Year first constructed: 2018

The owner

Name of owner: James Foote & Ruqiah H Foote

Contact person: James Foote

Mailing address: 23 Grahams Road Christchurch 8041

Phone number: Landline: Mobile: 0221377007

Email address:

First point of contact for communications with the council/building consent authority: GJ Gardner Homes

Building work

Building consent number: BC171675

Consent description: DWELLING WITH ATTACHED GARAGE 5 CATCHPOLE PLACE WOODEND LOT 20 DP 500690

Issued by: Waimakariri District Council

Code compliance

The building consent authority named below is satisfied, on reasonable grounds, that —

(a) the building work complies with the building consent



Sarah Smith
Building Consent Administrator

On behalf of Waimakariri District Council

Date: 01 May 2018



283 find
281 above

KIM Record Number



180501047198
BC171675.03

Included with Submitted Documents

Required – from Truss Manufacturer at least
10 working days prior to Pre-Roof Inspection

SECTION 37 OF THE BUILDING ACT
APPLIES TO THIS CONSENT ☐
ADMIN TO NOTIFY JAMIE ☒

RC: _____
 Issued ☐
 Date: _____

Scanned / Electronic

Entered in TRIM

Costing Sheet in TRIM / T1

PIM / Check / Not Required

Waiting for Deposit

BC NO: 171675 WDC REC

OWNER: James and Ruqiah Foote
PHONE: 022 1377 007

AGENT: G J Gardner Christchurch No
PHONE: Penny Wade 03 3239154

DESIGNER: Min Kyoo Jun 03 323 9154
SITE: **5 Catchpole Place Woodend**
BUILDER:

TYPE: Dwelling with attached garage

Date Processed: 10/11/17

Processed By: NICOLA

ENDORSEMENTS (Any special conditions/endorsements on the Building Consent and/or documents that must be drawn to the attention of the owners/subcontractors)

These are noted on the left inside page (see over)

[illegible]

PROJECT COMPLETE/ CCC APPROVED -

INSPECTOR'S SIGNATURE: _____

NAME: _____

DATE: _____

INSPECTION ISSUES

INSPECTION ISSUES NOTED DURING PROCESSING:

ALTERNATIVE SOLUTION/S:

AMENDMENTS (AFTER CONSENT ISSUE):

DATE:

ENGINEER TO INSPECT:

Site cut to suitable subgrade
Compaction fill
Concrete Pre-pour

SURVEYOR REQUIRED (PEGGING / FFL / RECESSON PLANE):

N/A

FIRE ENGINEER TO INSPECT:

ITEMS FOR COUNCIL TO INSPECT (SUCH AS EFFLUENT/POOL FENCING):

CONSTRUCTION REVIEWS REQUIRED TO SUPPORT PRODUCER STATEMENT DESIGN AND INSPECTION:

Form 6, Electrical Cert, Plumbers PS3, LBP, Drainlayers Reg:
Engineers PS4 & site notes, Net area tanking PS3.

LEGAL DESCRIPTION

Lot: 20
DP: 500690
Site area: 625m²

HARD SURFACE DRAINAGE

Convey surface water from sealed driveway areas to approved outfall / away from any building & neighbours boundaries. Falls from paths should be directed away from any buildings & neighbours boundaries. Driveway @ 1:100 fall min.

PLANNING

Living zone: Waimak Residential 2
Site coverage area (Only): 181.29m²
Site coverage: 29.01%

ZONES

Earthquake: Zone 2
Wind: High
Corrosion: Zone C
Altitude above sea: 10m

NOTES

- All dimensions taken to foundation edge unless otherwise stated
- Existing tree inside the property

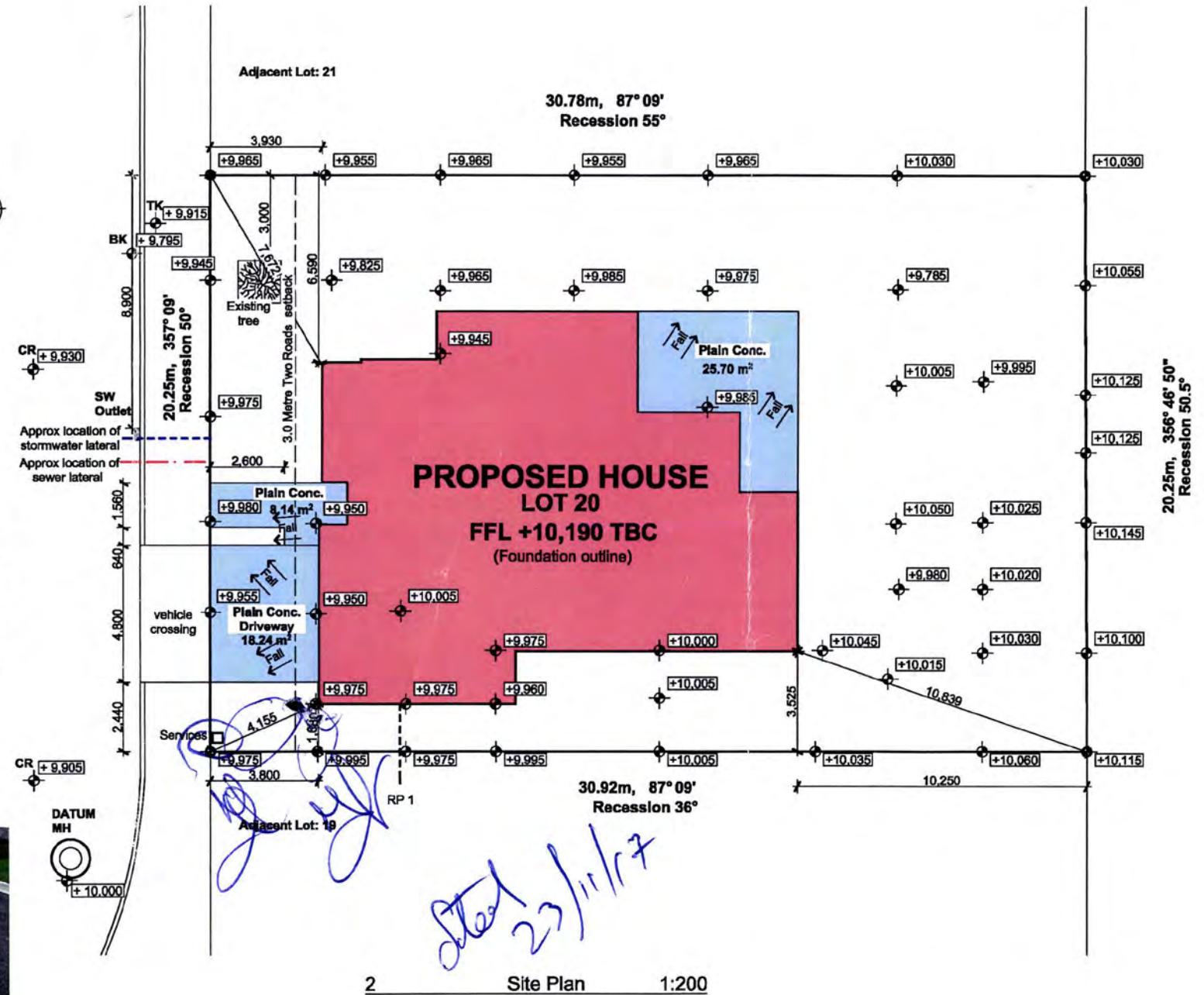
SEDIMENT CONTROL

- All adjacent groundcover to be retained in building phase
- Sediment fence (filter fabric) preventing run off from excavation & gravel washdown where required.
1. To boundaries and street frontage
 2. Containing surplus soils & gravel
- Downpipes to be connected as soon as roof fitted & drains laid. Temporary arrangements are to be made when exterior claddings are not fitted
- Construction supervisor to oversee sediment control
- Stockpiles of clay material to be covered with impervious material

WAIMAKARIRI DISTRICT COUNCIL
Plans and specifications APPROVED in accordance with the Building Act 2004, clause 49 and the Building Regulations 1992, Clause 3
171675 10/11/2017 nicolah



CATCHPOLE PLACE



G.J. Gardner. HOMES

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AG and LM McCarthy Ltd
Canterbury North Franchisee for
G.J. Gardner Homes
293 Cranford St, St Albans
PO Box 21382, Edgware 8143
Christchurch
P 03 323 9154
F 03 323 9164
www.gjgardner.co.nz

James & Kiah Foote
5 Catchpole Place, Two Roads
Waimakariri

Site Plan

Job No: 6500470
Sheet Size: A3
Scale: 1:200
Drawn: JJU
Cad File: Foote V20.pln
Printed: 21/09/2017

BRACING NOTES

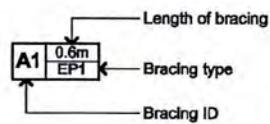
- All electrical cutouts to be 100mm away from edge of bracing element
- Refer to support docs. (Length of GIB EzyBrace elements) for method of calculating element lengths & position of GIB fixings
- Fixing of top plates to external walls to be in accordance with NZS 3604:2011 section 8.7.3.3 & 8.7.3.4. Refer to sheet 19. Refer also to BRANZ Build 138 figures 3 & 4.

BRACING KEY

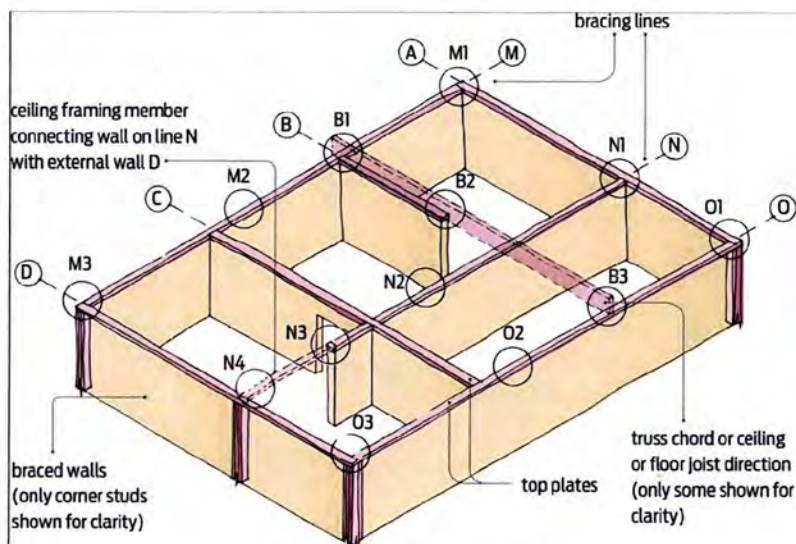
GS1-N _ 10/13mm Standard GIB plasterboard to one side only (Min. length - 0.4m)

GS2-NOM _ 10/13mm Standard GIB plasterboard fixed to each side (Min. length - 0.4m)

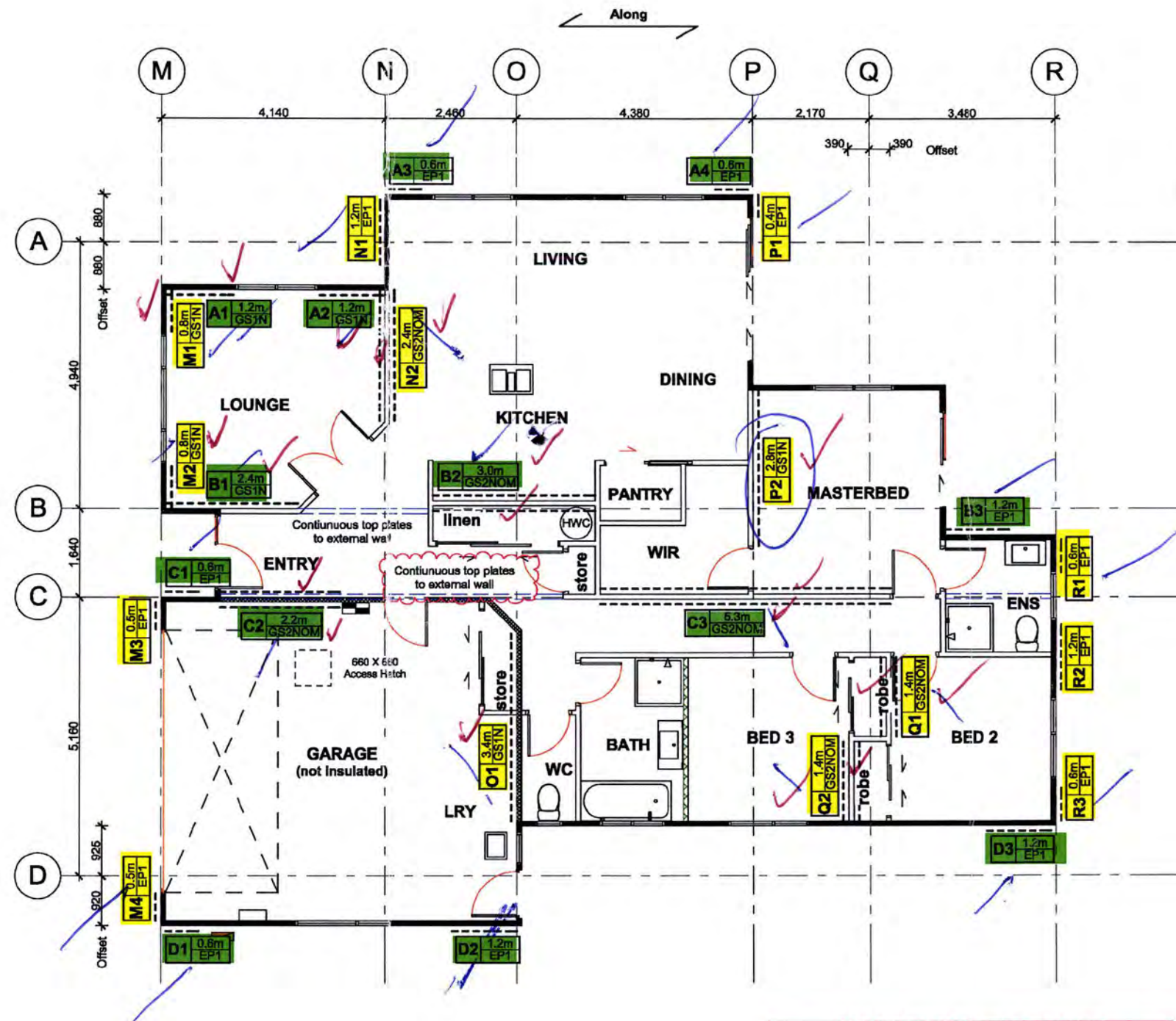
EP1 _ 7mm Ecopy to one side (Min. length - 0.4m)



Continuous top plates to external wall



BRANZ Build 138 - Figure 4



WAIMAKARIRI DISTRICT COUNCIL
Plans and specifications APPROVED in accordance
with the Building Act 2004, clause 49 and the Building
Regulations 1992, Clause 3
171675 10/11/2017 nicolah

G.J. Gardner. HOMES

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Canterbury North Franchisee for
G.J. Gardner Homes
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P.O. Box 21382, Edgewater 8143
Christchurch
P 03 323 9154
F 03 323 9164
www.gjgardner.co.nz

James & Kiah Foote
5 Catchpole Place, Two Roads
Waimakariri

Bracing Plan

Job No: 6500470
Sheet Size: A3
Scale: 1:100
Drawn: JJU
Cad File: Foote V20.pln
Printed: 3/11/2017

23 April 2018

James & Ruqiah Foote
23 Grahams Road
Christchurch 8041

RE: Building Consent Application No. BC171675
BC - New or Relocated Dwelling
5 Catchpole Place WOODEND
2161105720

Dear James & Ruqiah,

We have now completed a final inspection and audit of the working file for your project in preparation for issuing the Code Compliance Certificate.

So that we can issue the Code Compliance Certificate we need the following information provided or remedial work completed.

1. Please provide the insulation installers Producer Statement confirming which 'R' values were installed
- 27.4.18 2. Please arrange payment of the attached invoice for one extra inspection carried out during construction.

Please note that we are unable to issue the Code Compliance Certificate until the entire list of items has been addressed to our satisfaction and any additional charges have been paid.

We ask that you please supply the information/complete the remedial work within 60 days of the date of this letter at which point we will approve or refuse your application for a Code Compliance Certificate.

If we refuse to issue your Code Compliance Certificate it will be necessary for you to re-apply. That will be treated as a new application, thus incurring the standard charges.

Yours Sincerely



Victoria Shaw
victoria.shaw@wmk.govt.nz
Code Compliance Administrator



WAIMAKARIRI DISTRICT COUNCIL

Private Bag 1005, Rangiora 7440
Ph 03 311 8900, 03 327 6834 Fax 03 313 4432
waimakariri.govt.nz

FILE SIGN OFF FOR ISSUE OF A CCC

BC Number:

171675

Final by:

Evan / Andrew

Auditor:

Mike

Date audited:

23-04-2018

Project description:

New Dwelling + Att Garage

AUDIT ITEMS

Tick as appropriate:

	Y	N	N/A
Form 6 signed & dated <u>rec & P 20-04-18</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Final landscaping photos	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heating installation sheet	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Drainage plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drainlayer's Reg No: <u>08059</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drainlayer's Eff. PS3	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
WDC Effluent approval & fenced	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gas certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Electrical certificate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exterior cladding PS3	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Plumber's Reg No: <u>17338</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plumber's pressure test PS3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tanking PS3	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cladding type/s as per plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Well water test	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Engineer's site notes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Engineer's PS4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Membrane roof pitch	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Membrane installer's PS3	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Solar PS3	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fees paid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LBP Record of Work Memorandum:			
Foundation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Carpentry	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cladding - Brick	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Linea Axon PS3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Plaster	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Roofing & PS3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Jobs on HOLD, outstanding items & notes

Required

1. Insulation installers
PS3 confirming
which 'R' values installed

2. Pay Invoice.

check - 1 extra

Additional information received and/or notes:

COMMERCIAL

Tick as appropriate:

	Y	N	N/A	Jobs on HOLD, outstanding items & notes
Access & facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Alarm PS4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
FPIS certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
HVAC PS4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Compliance Schedule application	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Surveyor's certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

- **Read File – PIM Conditions.** Check above with site notes and working file
- **Check all site notices, rearrange file with notes in date sequence**
- **Site File to be arranged in:**
 - RH Side – Inspection notes in date order, stapled twice along top
 - LH Side – Drainage plan, PS4's, Energy Certificates etc
 - Put all remaining documentation in date sequence, including plans and specs, bind and place in working file
- **Follow up all failed inspection items thoroughly, sign and date decision and briefly describe outcome.**

Use space on back of sheet to write up any back ground notes ie: where a follow through of a site inspection requirement is not 100% clear from another reinspection but has been conveyed in other inspections. Also note any discussion with field officer/other staff to show how acceptance was achieved.

Tick as appropriate:

	Y	N
Inspection notes correctly completed and signed off	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outstanding amendments/items	<input checked="" type="checkbox"/>	<input type="checkbox"/>
OK for CCC	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Signature:



Victoria Shaw

From: Kelly Somerville <Kelly.Somerville@gjgardner.co.nz>
Sent: Thursday, 26 April 2018 12:01 PM
To: Victoria Shaw
Subject: RE: Code of compliance application and supporting docs - BC171675
Attachments: PS3 - 5 Catchpole Place.pdf

Hi

Please see attached PS3 as requested ☺

Thank you for that.

Kind Regards

From: Victoria Shaw [mailto:victoria.shaw@wmk.govt.nz]
Sent: Thursday, 26 April 2018 8:37 a.m.
To: Kelly Somerville <Kelly.Somerville@gjgardner.co.nz>
Subject: RE: Code of compliance application and supporting docs - BC171675

Hi Kelly,

Sorry I didn't get back to you on Tuesday. I was away unexpectedly.

There was some question regarding which batts were used as the bags indicated a different thickness than expected. I have attached the inspection notice which include the inspectors observations.

Kind Regards,

Victoria Shaw | Building Consent Administrator

Building Unit

office@wmk.govt.nz

Customer Service: 0800 965 468 (0800WMKGOV)



waimakariri.govt.nz



From: Kelly Somerville <Kelly.Somerville@gjgardner.co.nz>
Sent: Monday, 23 April 2018 4:55 PM
To: Victoria Shaw <victoria.shaw@wmk.govt.nz>
Subject: RE: Code of compliance application and supporting docs - BC171675

Hi

Is that a normal requirement? I have never been asked for this before...

I will ask the insulator installer what he can give me.

Thanks

From: Victoria Shaw [<mailto:victoria.shaw@wmk.govt.nz>]
Sent: Monday, 23 April 2018 4:47 p.m.
To: Kelly Somerville <Kelly.Somerville@gjgardner.co.nz>
Subject: FW: Code of compliance application and supporting docs - BC171675

Hi Kelly,

Please find attached the further information required for the Code Compliance Certificate.

Kind Regards,

Victoria Shaw | Building Consent Administrator

Building Unit

office@wmk.govt.nz

Customer Service: 0800 965 468 (0800WMKGOV)



waimakariri.govt.nz



From: Kelly Somerville <Kelly.Somerville@gjgardner.co.nz>
Sent: Friday, 20 April 2018 3:22 PM
To: Sarah Smith <sarah.smith@wmk.govt.nz>; Victoria Shaw <victoria.shaw@wmk.govt.nz>
Subject: Code of compliance application and supporting docs - BC171675

Good Afternoon

Please find attached the code of compliance application and supporting documents for BC171675, Lot 20, 5 Catchpole Place, Woodend

I look forward to hearing from you regarding this.

Kind Regards

Regards

Kelly Somerville

Administrator | AG and LM McCarthy Ltd – ChristchurchNorth Franchisee for G.J. Gardner Homes
| Ph: (03) 323 9154 | Fax: (03) 323 9164 | Web: www.gjgardner.co.nz



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this email or in any attachment (or for any unauthorized changes made to or other interference with this email or to any attachment).

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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 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 checked="" type="checkbox"/> Other (specify): INSULATION | |

Author name:

MIKE MAXWELL

Author company:

CONTROL INSULATION LIMITED

Site address:

5 Catchpole Place, Woodend

Description of building work:

INSTALLATION OF INSULATION

Engaged by:

AG and LM McCarthy Ltd - Christchurch North Franchisee for G.J. Gardner Homes on behalf of James and Kiah Foote

(owner's name)

Scope of work covered by statement:

Create Thermal envelope through installation of insulation to external wall/ceiling

System/Product used (if applicable):

Pink Batt R2.6 wall insulation to external walls and Pink Batt R3.6 + R1.8 ceiling insulation as a double layer

I (constructor): CONTROL INSULATION LIMITED

AG and LM McCarthy Ltd - Christchurch North Franchisee for
G.J. Gardner Homes on behalf of James and Kiah Foote

h ave been engaged by

(building consent applicant) to construct: ☒ part ☐ all

As specified in the attached particulars of Building Consent Number: BC171675 and its attached conditions and 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 Building Consent.

NZBC clauses:
[select as applicable]

- | | | | | | | | | | | | |
|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| <input 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 checked="" 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:

13 years residential/commercial insulation installing

Address:

PO Box 3070, Christchurch Mail Centre, CHRISTCHURCH

Postcode:

8140

Phone:

03-389-9930

Fax:

N/A

Mobile:

027-441-2020

Email:

admin@controlinsulation.co.nz

Signature:

M. Maxwell

Date:

26/04/2018

171675

Victoria Shaw

From: Kelly Somerville <Kelly.Somerville@gjgardner.co.nz>
Sent: Friday, 20 April 2018 3:22 PM
To: Sarah Smith; Victoria Shaw
Subject: Code of compliance application and supporting docs - BC171675
Attachments: 180420 Foote - Signed Code of compliance application and supporting docs.pdf

Good Afternoon

Please find attached the code of compliance application and supporting documents for BC171675, Lot 20, 5 Catchpole Place, Woodend

I look forward to hearing from you regarding this.

Kind Regards

Regards

Kelly Somerville

Administrator | AG and LM McCarthy Ltd – ChristchurchNorth Franchisee for G.J. Gardner Homes
| Ph: (03) 323 9154 | Fax: (03) 323 9164 | Web: www.gjgardner.co.nz



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Form 6

Application for code compliance certificate

Section 92, Building Act 2004

The building consent

Building consent number: BC171675

Issued by: Waimakariri District Council

Valuation number: 2161105720

The owner

Name of owner: James Foote & Ruqiah H Foote

Contact person: James Foote

Mailing address: Lot 20, 5 Catchpole Place, Woodend

Street address/registered office:

Phone number: Landline:

Mobile: 0221377007

Daytime:

After hours:

Facsimile number:

Email address:

Website:

The following evidence of ownership is attached to this application: RCNotReq

Agent

Name of agent: GJ Gardner Homes

Contact person: Kelly Somerville

Mailing address: PO Box 21-382 Edgeware Christchurch

Street address/registered office:

Phone number: Landline: 033239154

Mobile:

Daytime:

After hours: 033239154

Facsimile number:

Email address: kelly.somerville@gjgardner.co.nz

Website:

Relationship to owner: Agent

Application

All building work to be carried out under the above building consent was completed on:

The personnel who carried out the building work are as follows:

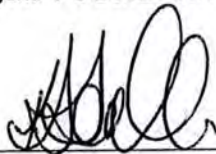
The following specified systems are contained on the compliance schedule for the building and, in the opinion of the personnel who installed them, are capable of performing to the performance standards set out in the building consent:

I request that you issue a code compliance certificate for this work under section 95 of the Building Act 2004.

The code compliance certificate should be sent to:

Applicant: Lot 20, 5 Catchpole Place, Two Roads, Woodend, North Canterbury

Agent: PO Box 21-382 Edgeware Christchurch



Signature of agent on behalf of and with the authority of the owner



Name of person signing

Date: 20/4/18

Attachments

The following documents are attached to this application:

- 1 Certificates from the personnel who carried out the work
- 1 Certificates that relate to the energy work

Inspection Report 2 – Lot 20

Project Number	248126	Date of Issue	17 October 2017
Project Name	Two Roads Subdivision – Lot 20 TC3 Gravel Capping Layer	Recorded By	Tim Plunket
Client	Gillman Wheelans Woodend Limited	Copies to:	Dean Gregory, Ian McPherson, Dominic Mahoney

Ground Improvements:

A Geotechnical Engineer from Aurecon inspected the progress of TC3 gravel capping layer works at Lot 20 of Two Roads Subdivision, Woodend on 17 October 2017 to inspect the placement of the first layer of geogrid.

At this stage Texco had placed 200mm of gravel hardfill on top of the geotextile and the first layer of geogrid. The following observations were made:

- Water was sitting on the top of the gravel layer. It likely this is groundwater.
- The geogrid was placed out over the base with appropriate laps between sheets across the excavation.
- The geotextile had been placed before the gravel and was wrapped up the sides of the excavation.

The Texco site manager on site advised the next stages:

- 200mm lift of gravel hardfill is to be placed.
- NDM testing is to be undertaken on this layer.
- Two additional 250mm lifts are to be placed with NDM testing to build the TC3 Gravel Capping Layer to 300mm below the surrounding ground level as recommended by Gillman Wheelans. It is understood that an additional 300mm of gravel will be placed by a different contractor between the top of this level and the underside of the foundations as shown on the Drawings.

Aurecon requires to undertake an inspection when the first round of NDM testing is being undertaken.

Yours faithfully,



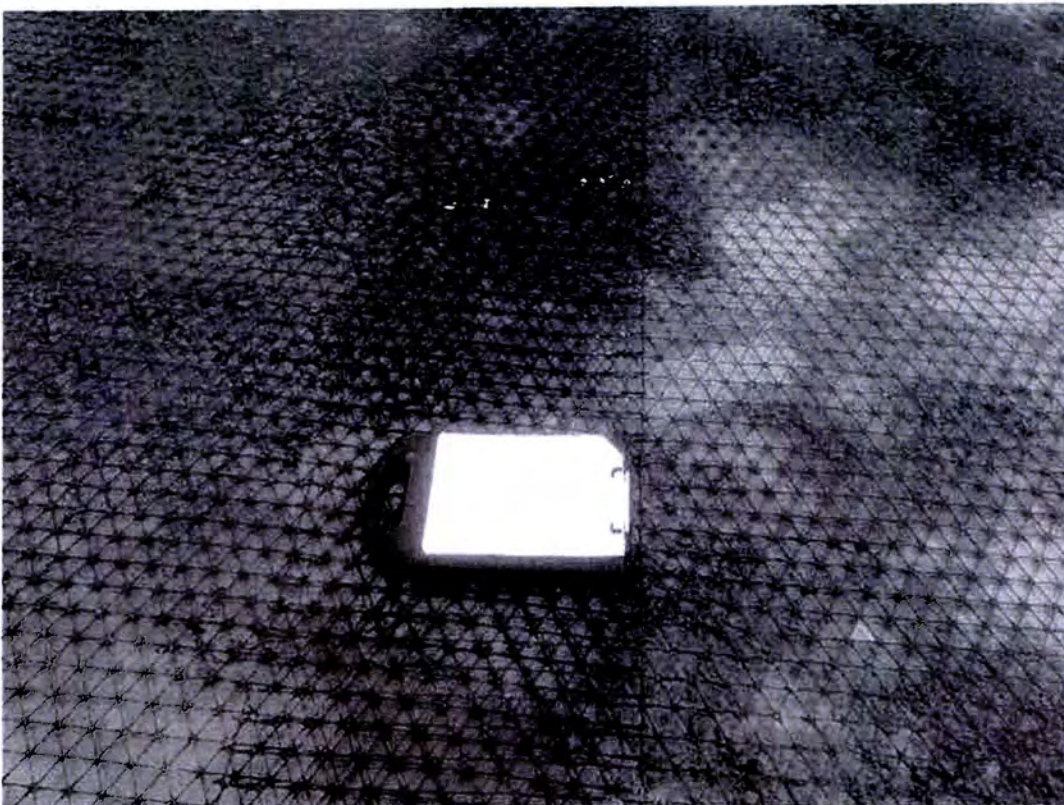
Tim Plunket
Geotechnical Engineer

Enclosed:

Site Photos



Photograph 1) General view excavation undertaken to date with the first lift of hardfill and the first layer of geogrid placed



Photograph 2) Close up of typical lapping of the geogrid.



Photo 3) Close up of the gravel hardfill being used.

Aurecon New Zealand Limited
Level 2, Iwikau Building
93 Cambridge Terrace
Christchurch 8013
New Zealand

T +64 3 366 0821
F +64 3 379 6955
E christchurch@aurecongroup.com
W aurecongroup.com



26 October 2017

GW Woodend Limited
145 Papanui Road
PO Box 36-511
Christchurch 8146

Issued via email to:

Dean Gregory
dean@gwlimited.nz

Two Road Woodend – Lot 20 Technical Category Classification Confirmation

1 Introduction

GW Woodend Ltd is in the process of developing the Two Roads subdivision in Woodend. During the initial site wide geotechnical assessment in mid-2015 the area that is now Lot 20 was identified as being not fully compliant with the requirements of a Technical Category 2 Classification. As part of the subdivision construction and earthworks, ground remediation has been undertaken to improve the expected ground performance of this lot.

This letter confirms the post development Technical Category Classification for Lot 20. It shall be read as a whole.

2 Previous Investigations

Aurecon reviewed existing geotechnical information across the wider 12.4ha Two Roads residential development and undertook further geotechnical site investigation in 2016 to a support residential subdivision application. This investigation is described in the Aurecon report *Two Roads Subdivision Stage 1 – Technical Classification Geotechnical Report* – dated 26 October 2016, prepared for GW Woodend Ltd.

This assessment identified the area that is now Lot 20 as not being fully compliant with the requirements of a Technical Category 2 (TC2) Classification in accordance with the requirements of the MBIE Guidelines for Repairing and rebuilding houses following the Canterbury Earthquake Sequence.

3 Liquefaction Risk Mitigation

In order to mitigate the identified liquefaction risk in Lot 20 a densified 1.2m thick, geogrid reinforced crust has been built to surface expression of liquefaction. This mitigation was in general accordance with Section C 4.3 of the MBIE Guidelines.

The geogrid reinforced capping layer has been constructed by Texco Excavating Limited with Aurecon observing the capping layer construction at critical stages.

A plan showing the typical cross-section of capping layer is appended to this letter.

4 Technical Category Classification

Based upon our geotechnical site investigations, the liquefaction hazard assessments and the implementation of a geogrid reinforced capping layer we consider **Lot 20 fulfils the requirements of a TC2 Classification.**

5 Foundation Recommendations

Due to the construction of the gravel capping layer across Lot 20, an enhanced TC2 foundation is required as outlined in Section 5 of the MBIE (2012) Guidelines. The foundation designer shall undertake a lot specific geotechnical assessment and report to support the building consent application.

6 Limitations

We have prepared this report in accordance with the brief as provided. The contents of the report are for the sole use of the Client and no responsibility or liability will be accepted to any third party. Data or opinions contained within the report may not be used in other contexts or for any other purposes without our prior review and agreement.

The recommendations in this report are based on data collected at specific locations and by using suitable investigation techniques. Only a finite amount of information has been collected to meet the specific financial and technical requirements of the Client's brief and this report does not purport to completely describe all the site characteristics and properties. The nature and continuity of the ground between test locations has been inferred using experience and judgement and it must be appreciated that actual conditions could vary from the assumed model.

Subsurface conditions relevant to construction works should be assessed by contractors who can make their own interpretation of the factual data provided. They should perform any additional tests as necessary for their own purposes.

Subsurface conditions, such as groundwater levels, can change over time. This should be borne in mind, particularly if the report is used after a protracted delay.

This report is not to be reproduced either wholly or in part without our prior written permission.

This conclusions in this report draws on investigations, analysis and conclusions from various investigation numerous reports. For specific details please refer to the above mentioned references or contact the writers.

If you have any queries regarding the content of this letter, please do not hesitate to contact the undersigned.

Yours faithfully



Tim Plunket
Geotechnical Engineer



Ian McPherson
Technical Director Ground Engineering

Enc: Two Roads Capping Layer Detail
Two Roads Site Plan

Building Code Clause(s) **B1**

PRODUCER STATEMENT – PS4 – CONSTRUCTION REVIEW

ISSUED BY (Design Firm): **CRESCO ENGINEERS NEW ZEALAND LIMITED**
TO (Owner/Developer): **Amber Page**
TO BE SUPPLIED TO (Building Consent Authority): **Waimakariri District Council**
IN RESPECT OF (Description of Building Work): **Residential Foundation**
AT (Address): **5 Catchpole Place
Woodend**
LOT: 20 DP: 500690 SO:

We have been engaged by the owner/developer referred to above to provide ☐ CM1 ☒ CM2 ☐ CM3 ☐ CM4 ☐ CM5 or ☐ observation as per agreement with owner/developer in respect of clause(s) **B1** of the Building Code for the building work described in

documents relating to Building Consent No. 171675 and those relating to

Building Consent Amendment(s) No(s). issued during the course of the works. We have sighted these Building Consents and the conditions of attached to them.

Authorised instructions / variations(s) No(s). ... (copies attached, if any)

or by the attached Schedule ☐ have been issued during the course of the works.

On by the basis of ☒ this ☐ 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 ☐ Part only of the building works have been completed in accordance with the relevant requirements of the Building Consent and Building Consent Amendments identified above, with respect to Clause(s) **B1** of the Building Code.

I also believe on reasonable grounds that the persons who have undertaken this construction review have the necessary competency to do so.

I, **Fabio Parodi** hold ☒ CPEng registration No. **1025559**

I am a Member of : ☒ IPENZ and hold the following qualifications: **CPEng, Dott. Ing (ITA), M.Eng (Hons)**

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

SIGNED BY **FABIO PARODI** ON BEHALF OF **CRESCO ENGINEERS NEW ZEALAND LIMITED**



(signature)

Date: 09.04.18

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.

Memorandum from licensed building practitioner: Record of building work

Section 88, Building Act 2004

Please fill in the form as fully and correctly as possible.

If there is insufficient room on the form for requested details, please continue on another sheet and attach the additional sheet(s) to this form.

THE BUILDING	
Street address: Lot 20, 5 Catchpole Rd,	
Suburb: Two Roads, Woodend	
Town/City: Christchurch	Postcode:

THE PROJECT
Building consent number: 171675

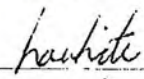
THE CONTACT	
Name(s): Foote	
Mailing address:	
Suburb:	PO Box/Private Bag:
Town/City:	Postcode:
Phone number:	Email address:

PRIMARY STRUCTURE		
Work that is restricted building work	Description of restricted building work	Carried out or supervised
Tick <input checked="" type="checkbox"/>	If necessary, describe the restricted building work.	Tick <input checked="" type="checkbox"/> whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Foundations and subfloor framing <input checked="" type="checkbox"/>	Installed ribraft concrete foundation to engineers design and as per consented plans	<input checked="" type="radio"/> Carried out <input type="radio"/> Supervised
Walls <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Roof <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Columns and beams <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Bracing <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Other <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised

EXTERNAL MOISTURE MANAGEMENT SYSTEMS

Work that is restricted building work	Description of restricted building work	Carried out or supervised
Tick <input checked="" type="checkbox"/>	If necessary, describe the restricted building work.	Tick <input checked="" type="checkbox"/> whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Damp proofing <input checked="" type="checkbox"/>	Installed polythene to underside of concrete foundation as per rafter design shown in consented plans	<input checked="" type="radio"/> Carried out <input type="radio"/> Supervised
Roof cladding or roof cladding system <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Ventilation system (for example, subfloor or cavity) <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Wall cladding or wall cladding system <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Waterproofing <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Other <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised

Name and contact details of the licensed building practitioner who is licensed to carry out or supervise restricted building work.	
Name: Hayden White	LBP number: BP 127605
Class(es) licensed in:	
Carpentry	
Plumbers, Gasfitters and Drainlayers registration number (if applicable):	
Mailing address (if different from below):	
Street address/Registered office: 95 Travis Country Drive	
Suburb: Burwood	Town/City: Christchurch
PO Box/Private Bag	Postcode: 8083
Phone number:	Mobile: 027 815 8727
After hours:	Fax:
Email address: hayden.white@gmail.com	Website:

DECLARATION	
I, Hayden White , carried out or supervised the restricted building work recorded on this form.	
Signature:	
Date:	/ / 2018



Electrical Certificate of Compliance Electrical Safety Certificate

579044

www.evro.co.nz/cocesc.pdf

CUSTOMER COPY



Blue text = Certificate of Compliance, Red text = Electrical Safety Certificate, Green text = Required for both certificates

WORK TYPE ☐ Low-risk (Maintenance Replacement) ☐ General ☒ High-risk (Requires Inspection)

Has the work been done in compliance with AS/NZS 3000 Part 1 ☐ or Part 2 ☒

Has the work been done in accordance with the certified design for the electrical installation

Does the work rely on any manufacturer's instructions and suppliers' declarations of conformity

Tested in accordance with AS/NZS 3000

The installation connected to the electricity supply is safe to use

The work done has not adversely affected any other part of the installation.

Other Standards used

Customer

Foster

Site ref.

Address of installation

5 Catchpole St, Woodend

Type of system the installation is safe to connect to

230 V AC

Number of electrical installations safe to connect to electricity supply

27 Power outlets 37 Light fittings/control HWC Ranges

Date work done

Test Results

Description of work done and by whom / Work related to ESC

Visual Inspection

Polarity

Correct Circuit Connections

Insulation Resistance

RCD

Earth fault-loop Impedance

OK

☒

☒

☒

☒

☒

☒

New dwelling. Includes 1+ over
1+ Hot 1+ Heat pump. 2+ Trawl coils
2+ Bathroom heaters. 2+ Extract fans
Internal mains 1 ph 16mm² N₂ from meter
box to switch board. Meter box handling.
Main earth connection in the meter
box

* Service mains and buried main
earth by others

Other Electrical workers involved

full name

registration

date

Ben Scarlett
Quinn Schuster

E266200
E128214

Issuing Electrician

full name

J K McQuiggin

registration

E14278

phone

021 1762724

company

Sedra Electrical

The work on this certificate has been done lawfully and safely, and the information on the certificate is correct

signed

J K McQuiggin

date

10/4/18

CUSTOMER COPY



WAIMAKARIRI
DISTRICT COUNCIL

Private Bag 1005, Rangiora 7440
Ph 03 311 8900, 03 327 6834 Fax 03 313 4432
www.waimakariri.govt.nz

PRODUCER STATEMENT PIPEWORK TESTING

BC No.

171675

Issued by (Plumber):

C. J. ROHWARD

At (address):

LOT 20, 5 CATCHPOLE PLACE

For (Owner):

KIAH + JAMES FOOTE.

TWO ROADS WAIMAKARIRI.

In respect of the testing of water pipe work prior
to concealment.

I hereby state that I have personally tested the water pipe work installed in the building authorised under this Building Consent by the method indicated hereunder.

- ☒ By pressurising the pipe work to 1500 kPa for a period of not less than 15 minutes for the hot and cold water supply and checking to see there are no leaks. (NZBC G12/AS1 7.5.1 (a), (b).)
- ☐ By pressurising the uPVC pipe work to 1.5 times the maximum working pressure for a period of not less than 15 minutes and checking that there are no leaks. (NZBC G12/AS1 7.5.2, NZS 7643).

Max working pressure was:

- ☐ By pressurising the pipe work to 1500 kPa for a period of not less than 5 minutes and checking to see there are no leaks. (NZBC G12 VM1, AS3500:Part 1.2 1998)

And believe on reasonable grounds that the pipe work has passed that test.

- ☒ All work complies with the NZBC

I also understand that Waimakariri District Council in accepting this producer statement will be relying on it to issue the Code Compliance Certificate at the completion of the building work.

SIGNATURE OF LICENSED CERTIFYING PLUMBER:

Signature:

Registration Number:

17338

Company Name:

ROHWARD PLUMBING LTD

Date:

9.4.18.

Memorandum from licensed building practitioner: Record of building work

Section 88, Building Act 2004

Please fill in the form as fully and correctly as possible.

If there is insufficient room on the form for requested details, please continue on another sheet and attach the additional sheet(s) to this form.

THE BUILDING

Street address: **5 Catchpole Place**

Suburb: **Woodend**

Town/City:

Postcode: **7610**

THE PROJECT

Building consent number: **171675**

THE OWNER(S)

Name(s): **Kiah and James Foote**

Mailing address: **5 Catchpole Place**

Suburb: **Woodend**

PO Box/Private Bag:

Town/City:

Postcode:

Phone number:

Email address:

RECORD OF WORK THAT IS RESTRICTED BUILDING WORK

PRIMARY STRUCTURE

Work that is restricted building work	Description of restricted building work	Carried out or supervised
Tick <input checked="" type="checkbox"/>	If necessary, describe the restricted building work.	Tick <input checked="" type="checkbox"/> whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Foundations and subfloor framing <input type="checkbox"/>	N/A	<input type="radio"/> Carried out <input type="radio"/> Supervised
Walls <input checked="" type="checkbox"/>	Stood Placemakers prenail frames. Installed all fixings as per the as built plans supplied. Completed all bottom plate fixings as detailed on the consented drawings.	<input checked="" type="radio"/> Carried out <input type="radio"/> Supervised
Roof <input checked="" type="checkbox"/>	Stood placemakers supplied trusses. Completed hold down fixings as per the as built plans supplied. Installed roof strap bracing as detailed on consented drawings.	<input checked="" type="radio"/> Carried out <input type="radio"/> Supervised
Columns and beams <input type="checkbox"/>	N/A	<input type="radio"/> Carried out <input type="radio"/> Supervised
Bracing <input checked="" type="checkbox"/>	Completed all bottom plate hold downs as per the consented bracing plan. Completed ecoply bracing panels as per the bracing plan.	<input checked="" type="radio"/> Carried out <input type="radio"/> Supervised
Other <input type="checkbox"/>	N/A	<input type="radio"/> Carried out <input type="radio"/> Supervised

EXTERNAL MOISTURE MANAGEMENT SYSTEMS

Work that is restricted building work	Description of restricted building work	Carried out or supervised
Tick <input checked="" type="checkbox"/>	If necessary, describe the restricted building work.	Tick <input checked="" type="checkbox"/> whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Damp proofing <input type="checkbox"/>	N/A	<input type="radio"/> Carried out <input type="radio"/> Supervised
Roof cladding or roof cladding system <input type="checkbox"/>	N/A	<input type="radio"/> Carried out <input type="radio"/> Supervised
Ventilation system (for example, subfloor or cavity) <input type="checkbox"/>	N/A	<input type="radio"/> Carried out <input type="radio"/> Supervised
Wall cladding or wall cladding system <input checked="" type="checkbox"/>	Installed building wrap, external joinery and flashings around external joinery as per the consented drawings.	<input checked="" type="radio"/> Carried out <input type="radio"/> Supervised
Waterproofing <input type="checkbox"/>	N/A	<input type="radio"/> Carried out <input type="radio"/> Supervised
Other <input type="checkbox"/>	N/A	<input type="radio"/> Carried out <input type="radio"/> Supervised

ISSUED BY

Name and contact details of the licensed building practitioner who is licensed to carry out or supervise restricted building work.

Name: **Andrew Williams**

LBP number: **104268**

Class(es) licensed in:

Carpentry

Plumbers, Gasfitters and Drainlayers registration number (if applicable):

Mailing address (if different from below): **PO Box 212 Kirwee**

Street address/Registered office: **35 School Lane**

Suburb: **Kirwee**

Town/City:

PO Box/Private Bag **PO Box 212**

Postcode: **7543**

Phone number:

Mobile: **021663623**

After hours:

Fax:

Email address: **williamsbuildingltd@gmail.com**

Website:

DECLARATION

I **Andrew Williams** carried out or supervised the restricted building work recorded on this form.

Signature:

A. Williams

Date:

27/3/2018

go ahead...

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:

CHRIS MANNING.

Author company:

MC3 LTD.

Site address:

5 CATCHPOLE ST.

Description of building work:

Installation of James Hardies Axion Panel feature as per manufactures specification.

Owners Details:

Scope of work covered by statement:

Installation of James Hardies Axion Panel.

System/Product used (if applicable):

James Hardies Axion

I (constructor):

CHRIS MANNING.

G.J. Gardner Homes.

have been engaged by
(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 checked="" type="checkbox"/> B2 | <input type="checkbox"/> C1 | <input checked="" 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 / BP 104495.

Address:

17 Monterey Place.

Postcode:

8083.

Phone:

03 3830500

Fax:

Mobile:

021 2285533

Email:

mc3@outbak.co.nz.

Signature:

[Handwritten Signature]

Date:

15/02/2018.

Form 6A

Memorandum from licensed building practitioner: Record of building work
Section 88, Building Act 2004

The building

Street address of building 5 Catchpole place, Two roads, Woodend

The project

Building consent number 171675

The owner

Name: Kiah & James Foote

Address:

Telephone number:

Email address:

Record of work that is restricted building work

Work that is restricted building work	Description	Carried out/ supervised
<i>[Tick]</i>	<i>[If necessary, describe the restricted building work]</i>	<i>[Specify whether you carried out the restricted building work or supervised someone else carrying out the restricted building work]</i>

Primary structure

Foundations and subfloor framing ()		() Carried out () Supervised
Walls ()		() Carried out () Supervised
Roof ()		() Carried out () Supervised
Columns and beams ()		() Carried out () Supervised
Bracing ()		() Carried out () Supervised
Other ()		() Carried out () Supervised

External moisture management systems		
Damp proofing ()		() Carried out () Supervised
Roof cladding or roof cladding system ()		() Carried out () Supervised
Ventilation system () (for example, subfloor or cavity)		() Carried out () Supervised
Wall cladding or wall cladding system (✓)		(✓) Carried out (✓) Supervised
Waterproofing ()		() Carried out () Supervised
Other ()		() Carried out () Supervised

Note: continue on another page if necessary.

Issued by

Name: John Neale

LBP number: BP108260

Class(es) licensed in: Bricklaying & Blocklaying B1

Mailing address: 84 Vicenza Drive, RD2 KAIAPOI, 7692

Street address or registered office:

Phone number: Landline: (03)3120517 Mobile: 021923707

Daytime:

After hours:

Fax number:


Email address: johnneale46@gmail.com

Website:

Declaration

I John Neale [name of practitioner]

carried out or supervised the restricted building work recorded on this form.

Signature: 

Date: 09.02.18

Memorandum from licensed building practitioner: Record of building work

Section 88, Building Act 2004

Please fill in the form as fully and correctly as possible.

If there is insufficient room on the form for requested details, please continue on another sheet and attach the additional sheet(s) to this form.

THE BUILDING	
Street address: Lot 20 , 5 Catchpole Place	
Suburb: Two Roads Woodend	
Town/City: Christchurch	Postcode:

THE PROJECT
Building consent number: BCN 171675

THE OWNER(S)	
Name(s): James & Kiah Foote	
Mailing address: 5 Catchpole Place	
Suburb: Two Roads, Woodend	PO Box/Private Bag:
Town/City: Christchurch	Postcode:
Phone number:	Email address:

RECORD OF WORK THAT IS RESTRICTED BUILDING WORK

PRIMARY STRUCTURE

Work that is restricted building work	Description of restricted building work	Carried out or supervised
Tick <input checked="" type="checkbox"/>	If necessary, describe the restricted building work.	Tick <input checked="" type="checkbox"/> whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Foundations and subfloor framing <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Walls <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Roof <input checked="" type="checkbox"/>	To Fit 50 x 40 R/S H1.2 Battens	<input checked="" type="radio"/> Carried out <input type="radio"/> Supervised
Columns and beams <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Bracing <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Other <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised

EXTERNAL MOISTURE MANAGEMENT SYSTEMS

Work that is restricted building work	Description of restricted building work	Carried out or supervised
Tick <input checked="" type="checkbox"/>	If necessary, describe the restricted building work.	Tick <input checked="" type="checkbox"/> whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Damp proofing <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Roof cladding or roof cladding system <input checked="" type="checkbox"/>	To Supply and fit Gerard Pressed metal Tiles	<input checked="" type="radio"/> Carried out <input checked="" type="radio"/> Supervised
Ventilation system (for example, subfloor or cavity) <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Wall cladding or wall cladding system <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Waterproofing <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised
Other <input type="checkbox"/>		<input type="radio"/> Carried out <input type="radio"/> Supervised

Name and contact details of the licensed building practitioner who is licensed to carry out or supervise restricted building work.	
Name: Graeme Bunker	LBP number: 115697
Class(es) licensed in:	
Roofing R3	
Plumbers, Gasfitters and Drainlayers registration number (if applicable):	
Mailing address (if different from below): Rockinghorse Road	
Street address/Registered office:	
Suburb: New Brighton	Town/City: Christchurch
PO Box/Private Bag	Postcode:
Phone number:	Mobile:
After hours:	Fax:
Email address: archy.bunker@yahoo.co.nz	Website:

DECLARATION	
I, Graeme Bunker _____ carried out or supervised the restricted building work recorded on this form.	
Signature: _____	
Date: _____	16/1/18

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:

Graeme Willocks

Author company:

Central Roofing Co. Ltd t/a Roofingsmiths Christchurch

Site address:

5 Catchpole Place , Two Roads , Woodend , Christchurch

Description of building work:

Residential Home

Owners Details:

James & Kiah Foote

Scope of work covered by statement:

Supply & Fit Roof - 50 x 40 battens , Self supporting roofing underlay & Pressed Metal tiles & accessories .

System/Product used (if applicable):

Gerard Pressed Metal Tiles

I (constructor): Central Roofing Co. Ltd

AG & LM McCarthy t/a GJ Gardner Homes North

have been engaged by

(applicant, designer, main contractor etc) ☒ part ☐ all
to construct:

As specified in the attached particulars of Building Consent Number: BCN 171675 and its attached conditions
and 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 Building Consent.

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 checked="" type="checkbox"/> E1 | <input checked="" 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:

Gerard Certified Roofer

Address:

13 c Parkhouse Road Wigram Christchurch

Postcode:

8441

Phone:

03 3497218

Fax:

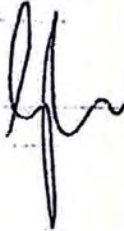
Mobile:

027 5337360

Email:

graeme@roofsmithschristchurch.co.nz

Signature:



Date:

24/1/18



ELECTRICAL CERTIFICATE OF COMPLIANCE & ELECTRICAL SAFETY CERTIFICATE

REFERENCE/CERTIFICATE ID No.: GJG3082

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:

Lot 20, 5 Catchpole Place, Two Roads

Contact Details:
(Name and address)

GJ Gardner

Name of Electrical worker:

Josh Samson

Registration/Practising licence number:

E18285

Organisation/company:

M&J Complete services 2014 LTD

Phone & email:

admin@mjcompleteservices.co.nz PH 0800 945 797

Name of person(s) supervised:

Morgan Samson - E-TLC139192

CoC

Type of work:

☐ Additions

☐ Alterations

☒ New work

The prescribed electrical work is:

☐ Low risk

☒ General

☒ High-risk (Specify):

Reference Standards:

☐ Part 1 of AS/NZS 3000

☒ Part 2 of AS/NZS 3000

☐ Additional Standards:

Description of Work (including date/s of work and type of supply system):

Lay New Mains and buried earth 25mm single earth only

Cable size = 16mm 1 core N/S

Cable meters = 11m

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 in that the installation, or part of the installation.

Select those that apply:

- ☐ Has been installed in accordance with the specified certified design¹
- ☐ Has an earthing system that is correctly rated (where applicable)
- ☐ Contains fittings that are safe to connect to a power supply
- ☒ Relies on a supplier Declaration of Conformity¹
- ☐ Relies on a manufacturer's instructions¹
- ☐ Has been satisfactorily tested in accordance with the Electricity (Safety) Regulations 2010
- ☐ Is safe to connect

Electronic/Other reference: nexans.co.nz / generalcable.co.nz

Certifier's signature:

Date: 19/12/2017

¹ Attach or reference. If it is impractical to attach a copy of a particular manufacturer's instructions, or of any certified design or supplier declaration of conformity, provide a reference to where the documents can be found, in a readily accessible format, by electronic means.

Test Results

Polarity (Independent earth):	
Insulation resistance:	
Earth Continuity:	
Bonding:	
Fault Loop impedance	
Other (specify):	

ESC

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:

Registration/Practising licence number:

Certifier's signature:

Certificate Issue Date:

Connection Date:

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

This certificate also confirms that the electrical work complies with the building code for the purposes of Section 19(1)(e) of the Building Act 2004.

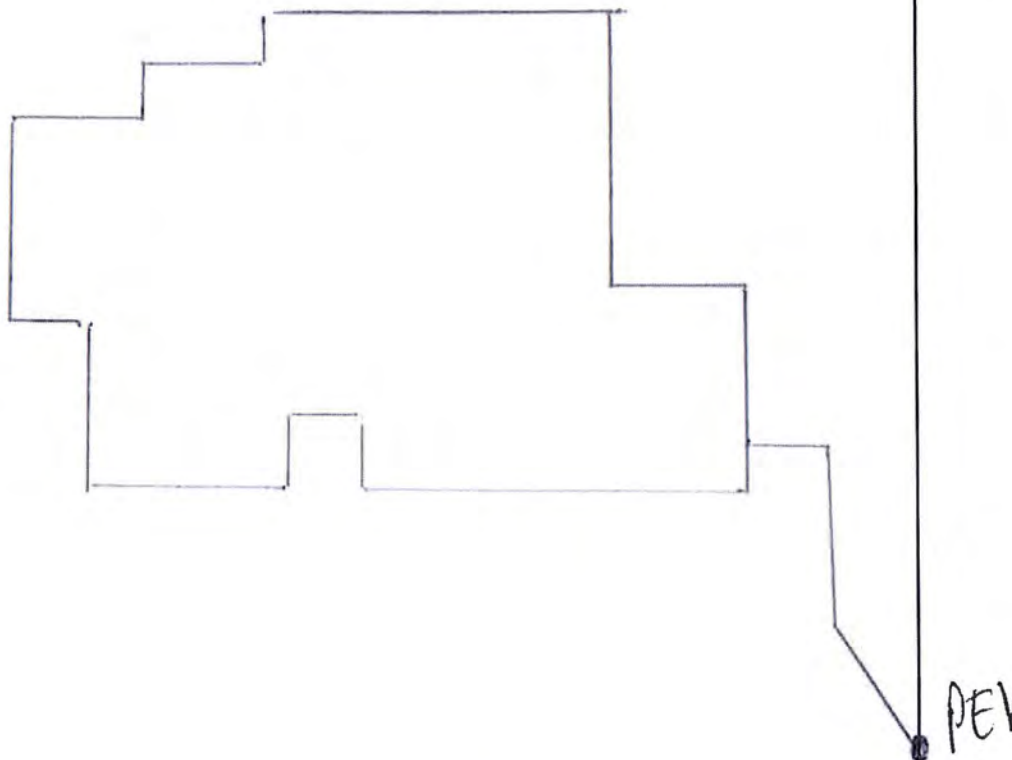
As Built Form: - G J Gardner

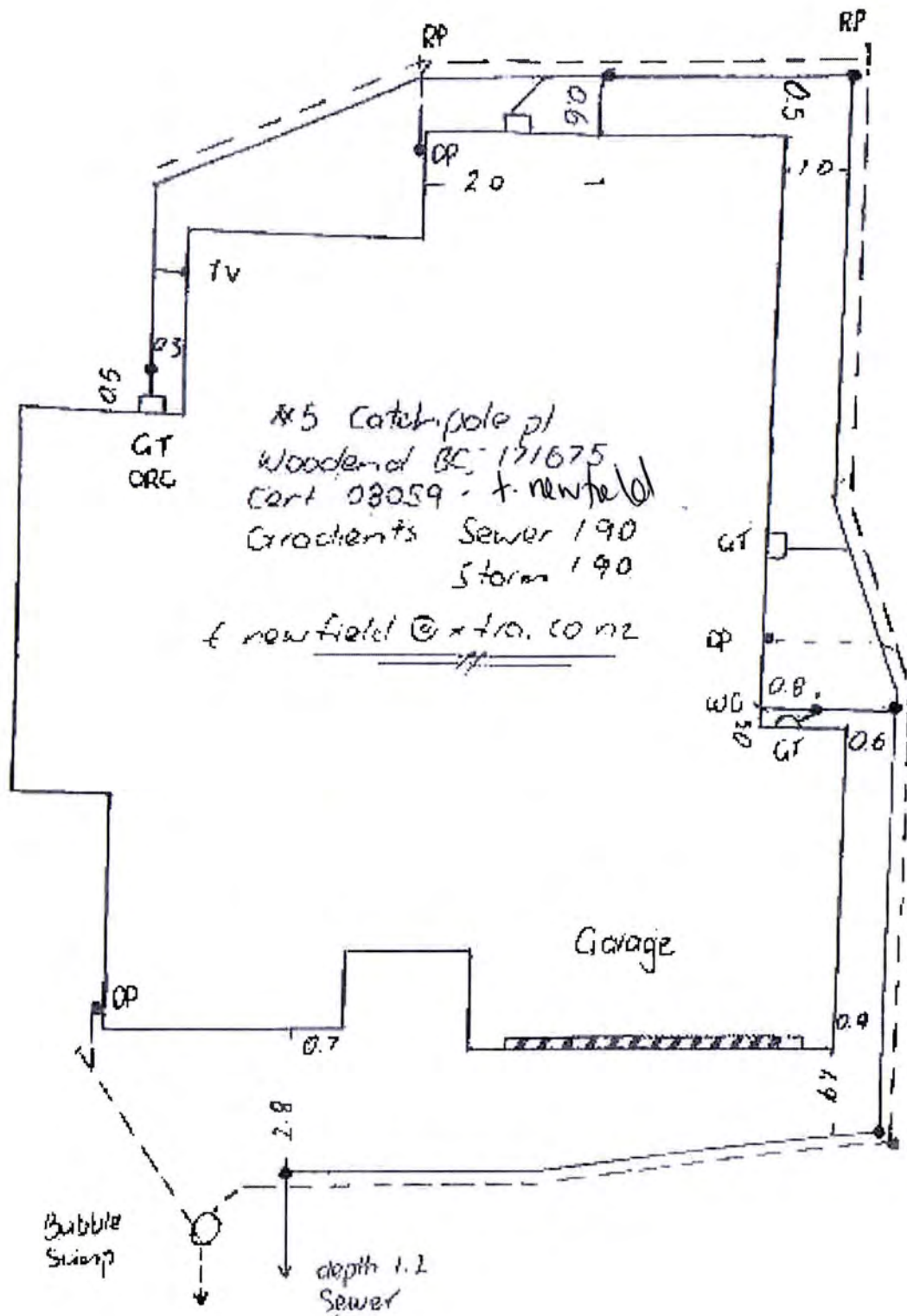
Job Location: Lot 20, 5 Catchpole Place, Two Roads, Woodend

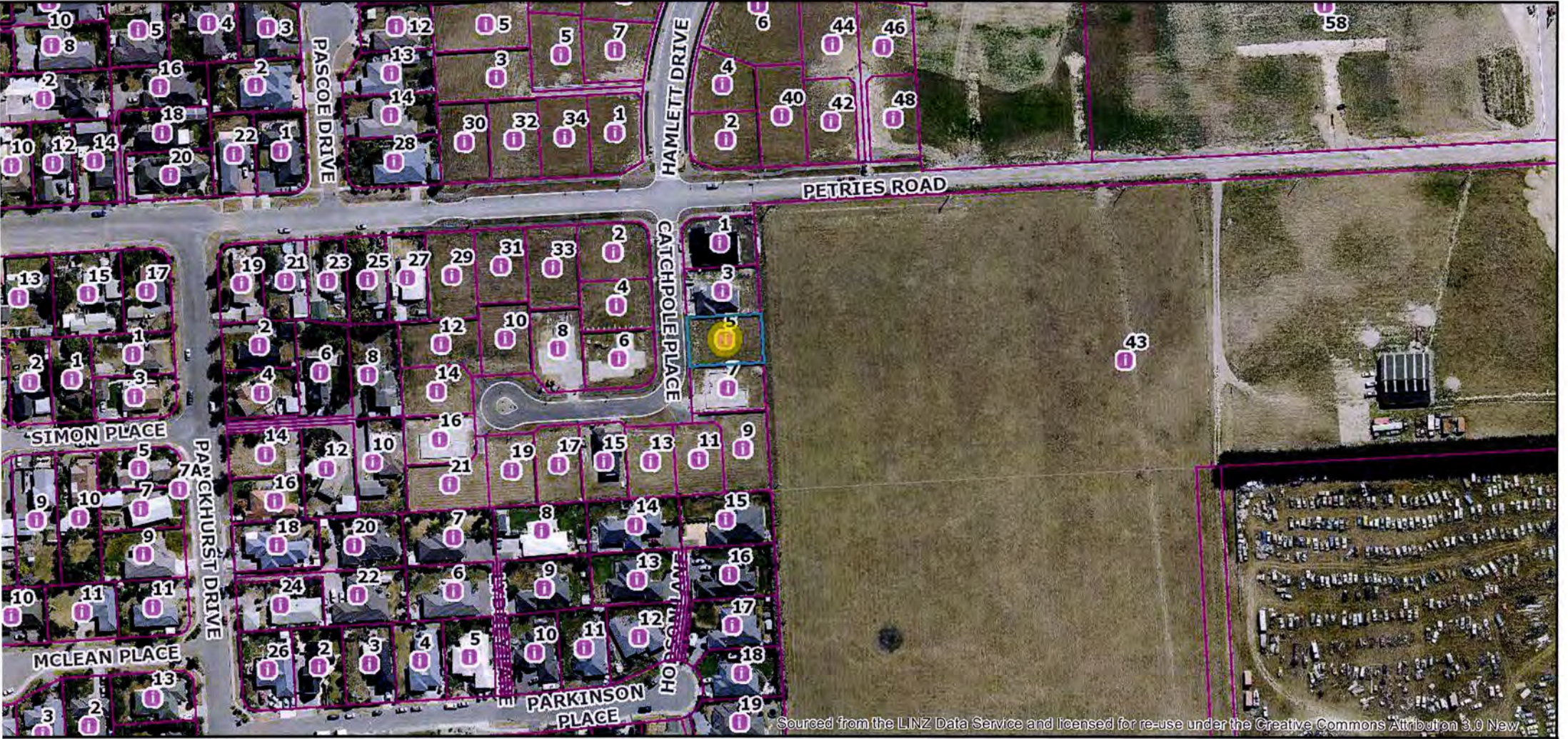
Cable Meters	11m	Single ø size	16mm	Three ø size	
--------------	-----	---------------	------	--------------	--

Phone ---T
 Water --W
 Power ---P
 Enable ---E

Map





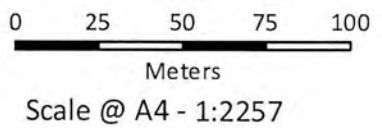


Legend

- Dog Alerts
- Property Alerts
- Person Alerts
- Properties > 1 ha
- Properties < 1 ha
- Approved to Survey Land Parcels
- Property Boundaries
- Deposited Land Parcels



5 Catchpole Pl
Date: 10/11/2017
Author: WAIMAP



DISCLAIMER:
Information on this map may not be used for the purposes of any legal disputes.
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The location of Council services are shown indicatively only and no guarantee is given as to the accuracy of the information. The user of the information has the responsibility to confirm the exact location of the service prior to commencing any construction including potholing and protecting existing services. Contractors will be held responsible for all damage to Council property. The Council does not guarantee the existence of service laterals to vacant lots, regardless of whether a lateral is shown or not. The Waimakariri District Council does not give and expressly disclaims any warranty as to the accuracy or completeness of the information or its fitness for any purpose.
Flood information on this map is based on modelling outputs and the accuracy of this data is limited by the assumptions used in the model. The Council reserves the right to update this information and cannot guarantee that the information is accurate and up to date at all times. An experienced practitioner should be consulted if this information is to be used for Building or Development purposes. Please refer to the District Plan and the Council's Planning Unit if you wish to use this information for planning purposes. Anyone who acts on any of this information does so at their own risk.

Map Created by WAIMAP Utilities at 12:47:27 p.m.



Correspondence from : **AUCKLAND**
40 Neales Road, East Tamaki 2013
PO Box 58-014, Botany 2163
Phone: 09 274 7109
Fax: 09 274 7100

CHRISTCHURCH
14 Pilkington Way, Wigram 8042
PO Box 8387, Riccarton 8440
Phone: 03 348 8691
Fax: 03 348 0314

www.mitek.nz.co.nz

ek 20/20 Engineering 4.7.235.0

Printed: 11:44:44 12 Dec 20

PRODUCER STATEMENT for MiTek 20/20® TRUSS DESIGN - Version 4.7

SUED BY: **MiTek New Zealand Limited**

TO: **PlaceMakers - Frame & Truss**

IN RESPECT OF: **MiTek® Truss Designs**

This producer statement covers the MiTek 20/20® truss design and the structural performance of the GANG-NAIL® connector plate for the job reference **134433** and may be used by a Building Consent Authority to assist in determining compliance with the New Zealand Building Code.

The MiTek 20/20® truss design program has been developed by MiTek New Zealand Limited for the design of MiTek® member roof, floor and attic trusses in New Zealand. The truss designs computed by MiTek 20/20® are prepared using sound and widely accepted engineering principles, and in accordance with compliance documents of the New Zealand Building Code and Verification Method B1/VM1; and internationally accepted standard ANSI/TPI 1 - 2002 as an alternative solution, to satisfy the requirements of Clause B1 of the New Zealand Building Code.

On behalf of **MiTek New Zealand Limited**, and subject to:

- i) All proprietary products meeting their performance specification requirements
- ii) The provision of adequate roof bracing and overall building stability
- iii) Correct selection and placement of GANG-NAIL connector plates
- iv) Correct input of Truss Design Data as shown in the Fabricator Design Statement for this job
- v) The design being undertaken by the accredited fabricator under the terms of the software licence
- vi) Timber is graded to the requirements of NZS 3603:1993
- vii) Minimum timber treatment for these MiTek® trusses shall be in accordance with B2/AS1 Table 1A and the relevant sections of NZS 3602:2003

believe on reasonable grounds that the trusses, if constructed in accordance with the MiTek 20/20® truss design and shop drawings, will comply with the relevant provisions of the New Zealand Building Code.

MiTek New Zealand Limited holds a current policy of Professional Indemnity Insurance no less than \$500,000.

On behalf of **MiTek New Zealand Limited**,

Date: Tuesday, 12 December 2017

Ling Ng, BE (Hons), CPEng, IntPE, MIPENZ (ID: 146585)
TECHNICAL SERVICES MANAGER, MiTek New Zealand Limited

MITEK FABRICATOR DESIGN STATEMENT

This statement is issued by MiTek accredited fabricator **PlaceMakers - Frame & Truss**, being licensed to use the MiTek 20/20[®] software, to the client listed above and may be used by the Building Consent Authority to assist in determining compliance with the New Zealand Building Code.

Tek 20/20[®] TRUSS DESIGN DATA

The MiTek 20/20[®] computer design for this job is based on the following design parameters entered into the program. The Fabricator shall ensure that these job details are relevant and relevant to the project for the design of the MiTek[®] trusses.

b Details

Roof Truss

Timber Group:

CTF Pine

Roof

Material: Metal Tiles
Dead Load: 0.210 kPa
Restraints: 400 mm centres
Live Load: Q_{ur} = 0.250 kPa
Q_c = 1.100 kN

Importance Level : 2

Pitch: 25.000 deg

Ceiling

Material: Rondo fixed to BC
Dead Load: 0.200 kPa
Restraints: 600 mm centres
Live Load: Q_c = 1.400 kN

Design Working Life : 50 years

Nominal Overhang: 600 mm

Wind

Area: High (44.0 m/s)
Pressure Coeff: C_{pe} = varies; C_{pi} = -0.30, 0.20

Snow

Location: Christchurch (N4) at 100 m
Open Ground Load: 0.900 kPa
Basic Roof Load: 0.441 kPa

A minimum timber treatment for these MiTek[®] trusses shall be in accordance with B2/AS1 Table 1A and the relevant sections of NZS 3602:2003. The timber for these MiTek trusses shall be graded to the requirements of NZS 3603:1993. Proprietary fixings and timber connectors shall be selected in accordance with NZS 3604:2011 Section 4 - durability.

Tek[®] Truss List

Legend: * = detail only, ? = input only, ~~xxx~~ = failed design, Ø = non certified, Unmarked trusses = designed successfully, LB = lateral bracing required
GB = gable brace required, CF = Chemical Free Treatment


Roof Truss

Treatment: Top Chords - H1.2				Bottom Chords - H1.2				Webs - H1.2							
Truss	Qty	Span (mm)	Pitch (deg)	Spacing (mm)	Truss	Qty	Span (mm)	Pitch (deg)	Spacing (mm)	Truss	Qty	Span (mm)	Pitch (deg)	Spacing (mm)	
*HB01	1	2262	18.249	900	J08	1	1597	25.000	900	T02	1	4960	25.000	900	
*HB02	1	6568	18.249	900	J08A	1	1597	25.000	900	T03	2	4960	25.000	900	
*HB03	2	4602	18.249	900	J08B	2	1597	25.000	900	T04	1	6840	25.000	900	
*HB04	2	5631	18.249	900	J09	2	697	25.000	900	T05	1	6840	25.000	900	
*HB05	1	5570	18.249	900	J10	2	2422	25.000	900	T06	2	6690	25.000	900	
*HB05A	1	5570	18.249	900	J10A	1	2422	25.000	900	T07	1	6690	25.000	900	
*HB06	1	2304	18.249	900	J10B	1	2422	25.000	900	T08	1	6680	25.000	900	
*HB07	1	7883	18.249	900	J10C	1	2422	25.000	900	T09	1	4157	25.000	900	
*HB08	1	2474	18.249	900	J11	1	1522	25.000	900	T09A	1	4157	25.000	900	
*HB09	1	3467	18.249	900	J11A	1	1522	25.000	900	T10	1	4157	25.000	478	
J01	1	3160	25.000	900	J11B	2	1522	25.000	900	TG01	1	8165	25.000	900	
J01A	1	3160	25.000	900	J12	2	622	25.000	900	TG02	1	6840	25.000	900	
J02	1	2260	25.000	900	J13	1	3190	25.000	900	TG03	1	6690	25.000	900	
J02A	1	2260	25.000	900	J13A	1	3190	25.000	900	TR01	1	6680	25.000	900	
J03	1	1360	25.000	900	J13B	1	3190	25.000	900	TR02	1	7503	25.000	900	
J03A	1	1360	25.000	900	J13C	1	3190	25.000	900	V01	1	1835	25.000	900	
J04	1	2670	25.000	900	J13D	1	3190	25.000	900	V02	1	967	25.000	900	
J04A	1	2670	25.000	900	J14	1	2290	25.000	900	V03	1	915	25.000	900	
J04B	1	2670	25.000	900	J14A	1	2290	25.000	900	V04	2	1783	25.000	900	
J05	1	1770	25.000	900	J15	1	1390	25.000	900	V05	1	1628	25.000	900	
J05A	1	1770	25.000	900	J15A	1	1390	25.000	900	V06	1	1150	25.000	900	
J05B	1	1770	25.000	900	*R01	2	900	25.000	900	V07	1	745	25.000	900	
J05C	1	1770	25.000	900	*R02	1	1051	25.000	900	V08	1	1645	25.000	900	
J06	2	870	25.000	900	*R03	16	891	25.000	900	V09	1	2123	25.000	900	
J07	2	2497	25.000	900	*R04	1	1081	25.000	900	V10	1	2600	25.000	900	
J07A	1	2497	25.000	900	*R05	1	856	25.000	900						
J07B	1	2497	25.000	900	T01	3	7503	25.000	900						
J07C	1	2497	25.000	900	T01A	1	7503	25.000	900						

Roof Truss quantity : 111

Total quantity : 111

The computer design input has been carried out by:

Signed: 

Name of Detailer: Sarah Kim

On behalf of:

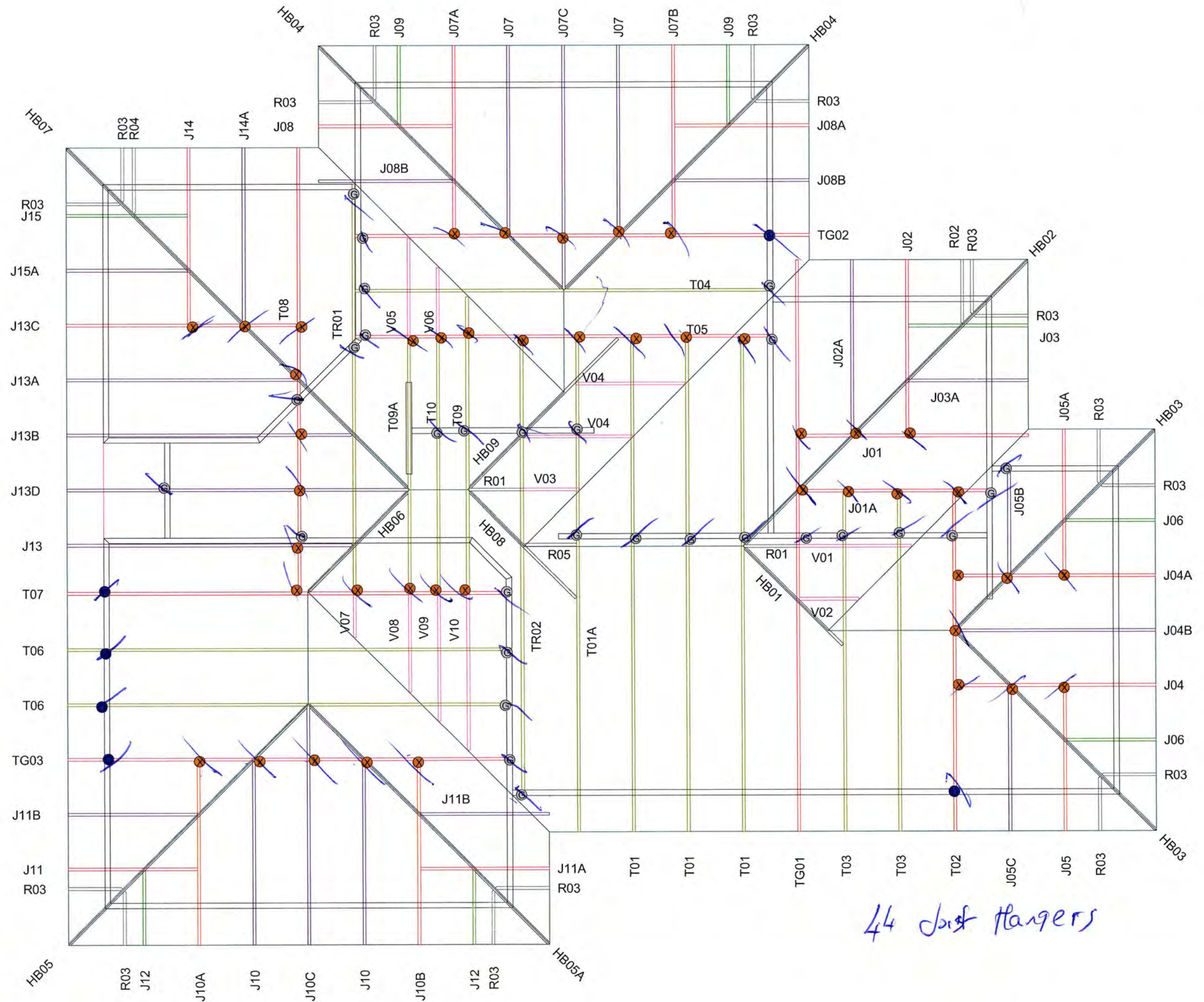
PlaceMakers - Frame & Truss

Date: ...Tuesday, 12 December 2017....

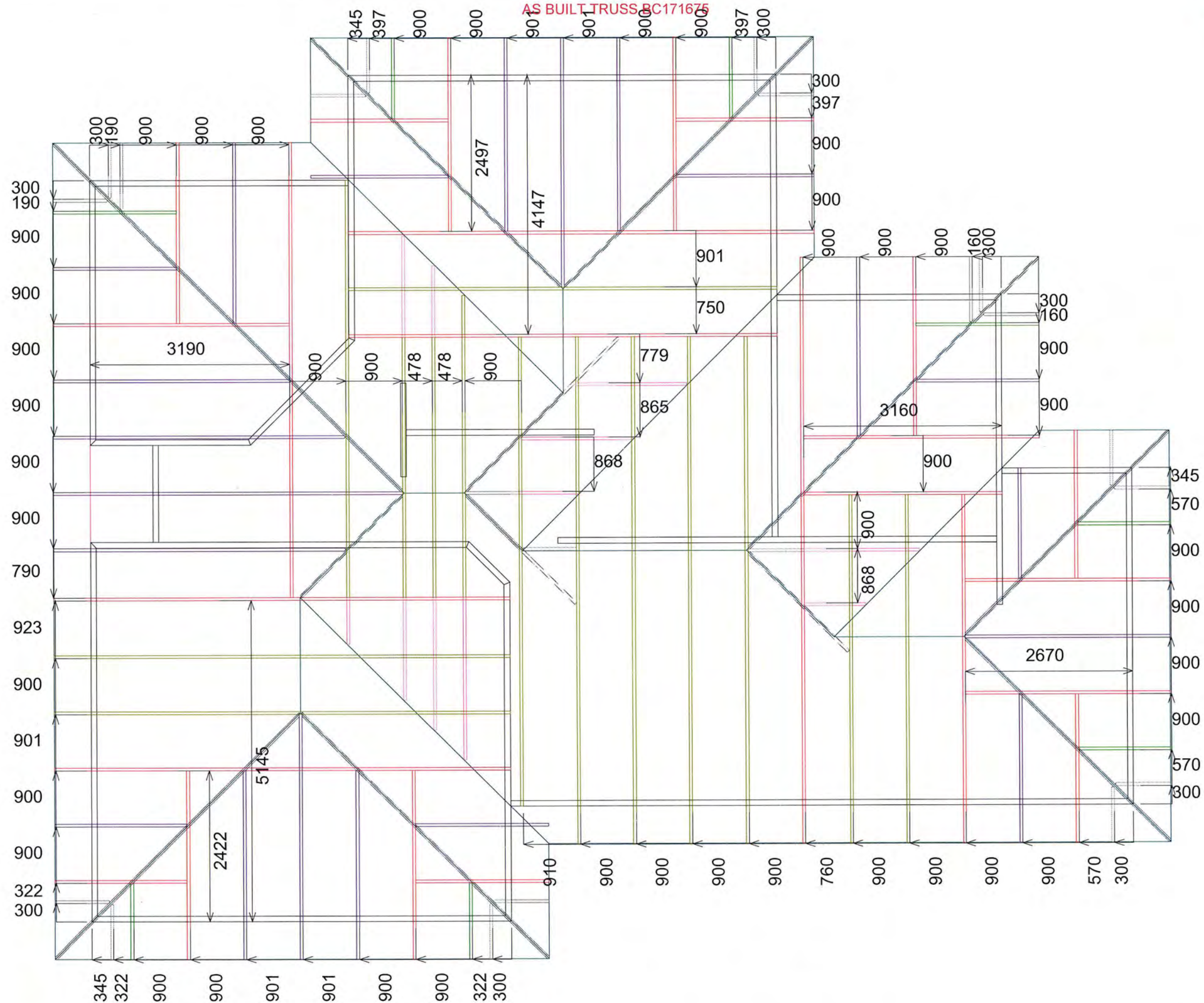
Qualifications and Title: Detailer

PlaceMakers
Know how. Can do.**FRAME & TRUSS**

Trusses need bottom chord Restraints at
 * 1800 Centres
 if Rondo Metal Batten Clip System used [Not Directly Fixed]



44 Jost Hangers



PM Frame & Truss
1 Koru Place
Harewood
Christchurch
Ph : 03-359-9560
Cell : 027-7045894

GJG North - Foote
5 Catchpole Pole, Two Roads,
Woodend

Consent Number : BC171675

Truss Dimension Layout

Drawn : Sarah Kim	CFT Ref : 134433
Date : 12 Dec, 2017	Branch Ref :

PlaceMakers
Know how. Can do.

FRAME & TRUSS

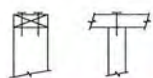
mark.strawbridge@placemakers.co.nz

For alternative fixing see the "Mitek Onsite Guide 2012"

For alternative fixing see the "Mitek Onsite Guide 2012"

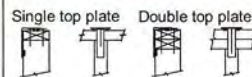
FIXING TYPE A
0.7kN

2/90x3.15 plain steel wire nails
driven vertically into stud.



FIXING TYPE
4.7kN

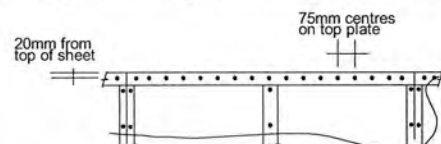
Single top plate Double top plate



FIXING TYPE B 4.7kN
Option for Internal Walls

2/90x3.15 plain steel wire nails
driven vertically into stud
plus 6kN Stud Anchor (CPC80)

If Ecoply Barrier or James Hardies RAB Board or HomeRAB is used on all external walls, the nailing pattern below eliminates the need for any other stud to top plate fixing on those walls. Lintel fixings and loadbearing internal wall fixings will still be required.



See Ecoply Rigid Air Barrier Installation Manual
OR
James Hardies Rigid Air Barrier Installation Manual
for nail selection and nailing pattern on rest of sheet

- For alternative fixing see the "Mitek Onsite Guide 2012"
- Stud numbers indicative only. Refer Table 8.5 NZS 3604:2011.
- Minimum fixing to be Type E unless otherwise specified.
- Fix top jacks to top plates as per stud to top plate fixing
- Where Rigid Air Barrier is used, continue top plate nailing pattern on top jacks and lintels.
- If Lumberlok Stud Straps do not reach lintel, use Sheet Brace Strap (6 nails each end) to connect top jack and lintel

TYPE E
1,4kN

4 x 90mm x 3.15mm nails

2 x 90mm x 3.15mm nails directly below lintel.

Lintel

90mm x 3.15mm trimmer to underlay at 600mm c/c's.

Tube 475 mm side



6 x 90mm x 3.15mm nails →

475 one side

2 x 90mm x 3.15mm nails directly below lintel

90mm x 3.15mm nail trimmer to undercut at 600mm crs.

2 - Thick ATC

TYPE G
7.5kN

6 x 90mm x 3.15mm nails
400mm Sheet Brace Strap to one side
2 x 90mm x 3.15mm nails directly below lintel
Lintel
6 x 30mm x 3.15mm nails each end
90mm x 3.15mm trimmer to under at 600mm crs.
GIB Handitrac (TM)
Proprietary Screw Bolt



8 x 90mm x 3.15mm nails
400mm Sheet Brag Strap to both sides

Lintel

6 x 30mm x 3.15mm nails each end of each SBS

90mm x 3.15mm nail trimmer to understand at 600mm c/s

GIB Handicraft (TM)

2 x Tylok 4 TS on both sides

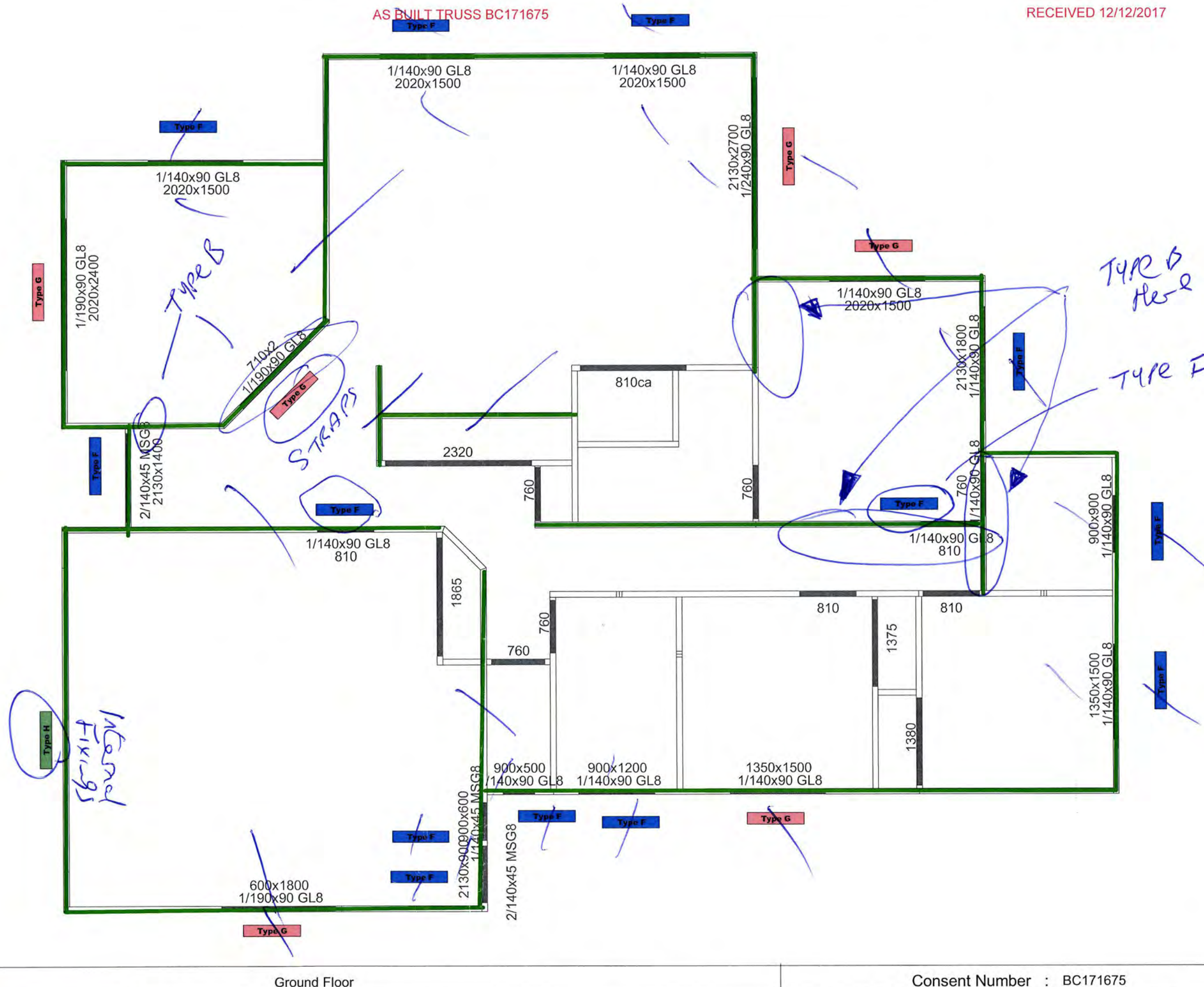
Decorative Screen Roll

Proprietary Screw Bolt

Proprietary Screw Bot

AS BUILT TRUSS BC171675

RECEIVED 12/12/2017



Ground Floor

Consent Number : BC171675

Stud To Top Plate And Lintel Fixings

Drawn : Ashley Ruth	CFT Reff : R134433
---------------------	--------------------

Date :	2 Dec.2017	Branch Reff :	17-134433
--------	------------	---------------	-----------

PlaceMakers
Know how. Can do.

mark.strawbridge@placemakers.co.nz



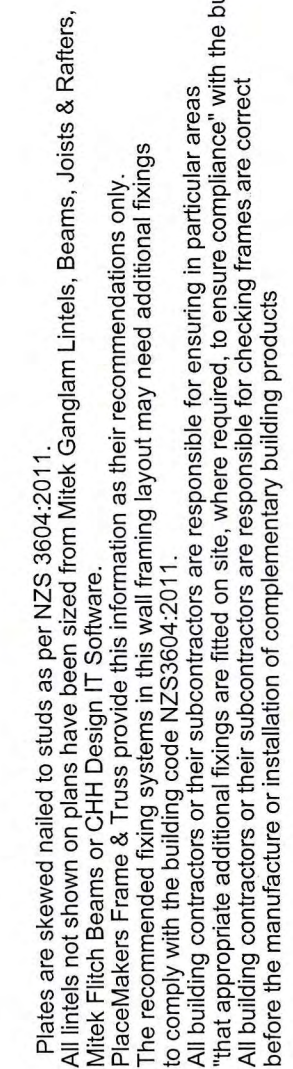
FRAME & TRUSS

PM Frame & Truss
1 Koru Place
Harewood
Christchurch
Ph : 03-359-9560
Cell : 027-7045894

GJG - Foote
5 Catchpole Place
Woodend

TYPE F, G + H Internal Intel fixings
TYPE B Internal Incl over TYPE G Jack studs to Intel
44 x Joist Hangers

✓ Overframe SG8



These plans are provided solely to enable the builder to erect the pre nail on site. They are not intended for any other purpose and PlaceMakers will not accept any liability arising from any other use of these plans.

PLEASE CONTACT PLACEMAKERS FRAME & TRUSS IF ANY ON SITE REMEDIAL WORK IS REQUIRED.

THERE WILL BE NO COMPENSATION FOR WORK DONE WITHOUT PLACEMAKERS FRAME & TRUSS WRITTEN AUTHORITY.

ALL WALLS WITH DOUBLE TOP PLATE DO NOT HAVE CEILING PLATE

File Stripping Check Sheet

BC 171675

- ☒ All Correspondence
- ☒ Audit Check Sheets
- ☒ CCC – Signed
- ☒ Working File Cover
- ☒ As Built Plans
- ☒ Drainage Plans (both onsite & scaled Drawings)
- ☒ Specifications if any changes (see Working File Cover)
- ☒ All White Inspection Notices*
- ☒ All site photos
- ☒ All Processing Check sheets & Correspondence*
- ☒ All Amendments*
- ☒ Completed file stripping check sheet attached
- ☒ All relevant information has been included - If in doubt – INCLUDE IT

Signed



3. 5. 18

*N.B those items marked with an * are now electronic. Depending on the age of the consent these may already be in TRIM and not hardcopy*