Form 2
Application for project information memorandum and/or building consent

Section 33 or section 45, Building Act 2004

The building

Street address of building:	1005 Te Rahu Road Waikato 3800
Legal description of land where building is located:	Lot 1 DP 524071
Building name:	Main Building
Location of building within site/block number:	1005 Te Rahu Road Waikato 3800
Number of levels:	No information provided
Level/unit number:	No information provided
Area:	Total: 164.10 m2, Change: 164.10 m2
Current, lawfully established, use:	Level 1: 2.0 Housing: 2.0.2 Detached Dwelling
Year first constructed:	2020

The owner

Name of owner:	Peter Mario Francis Gill
Mailing address:	Po Box 19185 Hamilton 3244
Street address/registered office:	No information provided
Phone number:	Landline: 0221884092 Mobile: N/A
Daytime:	Landline: 0221884092 Mobile: N/A
After hours:	Landline: 0221884092 Mobile: N/A
Facsimile number:	No information provided
Email address:	2possie2@gmail.com
Website:	No information provided

The following evidence of ownership is attached to this application:

1. 176083_11151404_3_consent_notice.pdf (71.66K)
2. 181889_835408_Title.pdf (45.07K)

Agent

Name of agent:	Tania Mackie			
Mailing address:	Po Box 21188 Rototuna Hamilton 3256			
Street address/registered office:	Po Box 21188 Rototuna Hamilton			
Phone number:	Landline:	078553584	Mobile:	078553584
Daytime:	Landline:	078553584	Mobile:	078553584
After hours:	Landline:	078553584	Mobile:	078553584
Facsimile number:	No information provided			
Email address:	tania@latitudehomes.co.nz			
Website:	No information provided			
Relationship to owner:	Application made on owners behalf			

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

Full name:	Tania Mackie
Mailing address:	Po Box 21188 Rototuna Waikato Hamilton 3256
Phone number(s):	078553584
Facsimile number(s):	N/A
Email address(es):	tania@latitudehomes.co.nz

Application

I request that you issue a building consent for the building work described in this application.

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

TANIA MACKIE

Date: 20 Dec 2019

space for council use

Application Type	Building Consent only
Reference Key:	65257040BN
Name:	Tania Mackie
Application Role:	Agent

The project

Description of the building work:

Construction of residential dwelling single level - with 4 bedrooms, 2 bathrooms and attached double garage

Will the building work result in a change of use of the building?	No
Intended life of the building if less than 50 years:	50 years
List building consents previously issued for this project (if any):	No information provided
Estimated value of the building work on which the building levy will be calculated (including goods and services tax):	$320,014

Restricted building work

Will the building work include any restricted building work? Yes

If Yes, provide the following details of all licensed building practitioners who will be involved in carrying out or supervising the restricted building work:

Name	Mark Field
Licensing class	Design License - Design 2
Licensed building practitioner number (or registration number if treated as being licensed under section 291 of Act)	BP129326

Name	Caleb Julian
Licensing class	Roofing License - Metal Tile Roof
Licensed building practitioner number (or registration number if treated as being licensed under section 291 of Act)	BP110554

Name	Samuel Crarer
Licensing class	Carpentry licence
Licensed building practitioner number (or registration number if treated as being licensed under section 291 of Act)	BP133753

Name	Alan Jones
Licensing class	Carpentry licence
Licensed building practitioner number (or registration number if treated as being licensed under section 291 of Act)	BP134425

Name	Simon Andrew
Licensing class	Bricklaying and blocklaying licence

Licensed building practitioner number (or registration number if treated as being licensed under section 291 of Act)	BP131673

Building consent

The following plans and specifications are attached to this application:

1. W670_A3_Plans.pdf (3.48M)
2. W670_A4_Specification.pdf (25.54M)

The building work will comply with the building code as follows:

Main Building

B1 - Structure	AS1
B2 - Durability	AS1
C1 - C6 - Protection from Fire (current)	AS1
E1 - Surface Water	AS1
E2 - External Moisture	AS1
E3 - Internal Moisture	AS1
F2 - Hazardous Building Materials	AS1
F5 - Construction and Demolition Hazards	AS1
F7 - Warning Systems	AS1
G1 - Personal Hygiene	AS1
G2 - Laundering	AS1
G3 - Food Preparation	AS1
G4 - Ventilation	AS1
G5 - Interior Environment	AS1
G7 - Natural Light	AS1
G8 - Artificial Light	AS1
G9 - Electricity	AS1
G10 - Piped Services	AS1
G12 - Water Supplies	AS1
G13 - Foul Water	AS1
H1 - Energy Efficiency	AS1
Waiver / Modification Required:	N/A

Compliance schedule

There are no specified systems associated with this project.

Attachments

The following documents are attached to this application:

Plans and specifications

1. W670_A3_Plans.pdf (3.48M)
2. W670_A4_Specification.pdf (25.54M)

Record of title

1. 176083_11151404_3_consent_notice.pdf (71.66K)
2. 181889_835408_Title.pdf (45.07K)

Restricted building work memorandums / Owner-builder declaration

1. W670_LBP_CDW.pdf (1.91M)

Supporting documents

1. Soil_Investigation_Report_201217.pdf (1.24M)
2. Signed_Client_Authority.pdf (28.46K)
3. 308551C2_Layout_and_PS1.pdf (2.21M)
4. 191177_Stormwater_Management_Report_-_signed.pdf (7.42M)
5. 171091.02_Soils_Report_Signed.pdf (4.76M)
6. 80107rev01_PS1_and_memo_cert_2019_DL.pdf (1.22M)
7. 80107rev01_Plan_and_details.pdf (423.90K)
8. 80107rev01_Calculations.pdf (636.88K)

Date Submitted: Friday, 20 December 2019

FORM PLG 1

National Environmental Standard (NES) for Assessing and Managing Contaminants in Soil to Protect Human Health

For assistance in answering these questions please refer to (PLG 1A)

Please note that any inaccuracies may result in the applicant being in breach of the Resource Management Act 1991 and/or exposed to liability if the site is subsequently found to be contaminated, including being liable for remedial works.

Is the building work and all associated activities:

Changing the use of the land? **YES**

(Please note that "changing the use of the land" includes erecting a dwelling on an area of land which previously had no dwelling erected upon it.)

Disturbing soil? **YES**

(more than 25m3 per 500m2 of land) or removing soil? (more than 5m3 per 500m2 of land) (e.g.: foundations, on-site effluent treatment and disposal systems, wells or bores)

Is the land currently being used, has been used in the past, or is likely to have been used for an activity described on the HAIL?

NO

For more information on this process please contact the Duty Planner on (07) 872 0030 or go the Ministry for the Environment website: http://www.mfe.govt.nz/laws/standards/contaminants-in-soil/

Signature

The name below as AGENT has the authority for the application to proceed to processing and accept the associated charges.

Signed By:

Tania Mackie

20 Dec 2019

The Agent will be the first point of contact for communications with the Council/Building Consent authority regarding this application / building work and will receive all correspondence including all invoices.

Document Set ID: 10348891
Version: 1, Version Date: 20/12/2019

LATITUDE HOMES
Affordable Quality - Easy Build.

Date 04 / 12 / 2019

To

Waipa District Council

Private Bag 2402

Te Awamutu 3840

Please be advised that

Peter Gill

For

1005 Te Rahu Road,

Te Awamutu

(Lot 1 & DP 524071)

Gives permission to Latitude Homes (Homeworks Hamilton Limited)
to lodge our building consent as our agent.

Signed: _____ Signed: _____

Print Name: Peter Gill Print Name: _____

4/12/

Document Set ID: 10348891
Version: 1, Version Date: 20/12/2019

Waikato Building Consents

Working Together

As Laid Drainage

Building Consent Number: 19-1291 Date: 11 / 03 / 20 No. of pages: 1

Builder: LATITUDE HOMES LTD

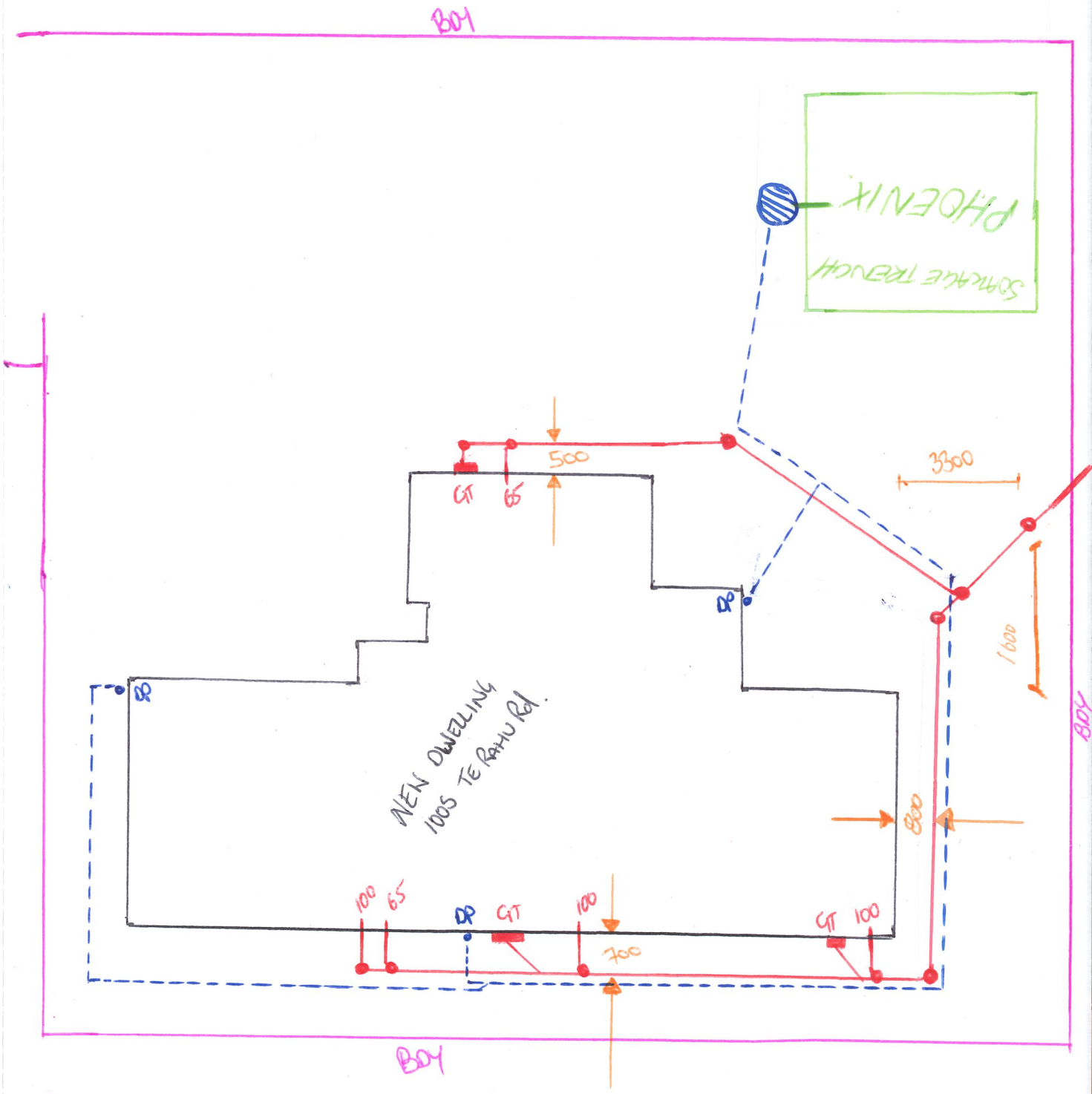
Owner: PETER GILL

Address: 1005 TE RAHI ROAD, TE AWAMUTU

Drain Layer Name: HAMISH MCKENZIE *[Please print clearly]* Signature:

Registration Number: 21413 Business Name: DRAINAGE SYSTEMS

To Council: *[Tick]* ☐ Hauraki ☐ Matamata-Piako ☐ Waitomo ☐ Otorohanga ☐ Thames-Coromandel ☑ Waipa ☐ Waikato ☐ Hamilton



Document Set ID: 10446790
Version: 1, Version Date: 07/08/2020

Waipa District Council
Private Bag 2402, Te Awamutu, 3840
building.admin@waipadc.govt.nz
0800 924 723

BC191291

Alpha ID: 191291
Application Type: Building Consent
Site Address: 1005 Te Rahu Road Te Awamutu 3800
Project Description: Lot 1 - New Dwelling 4 Bedrooms, 2 Bathrooms and Attached Double Garage
Project Status: Code Compliance Certificate Issued

Creation Date: 07 August 2020

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Waipa DISTRICT COUNCIL

Postal Address
Private Bag 2402
Te Awamutu 3840
New Zealand

Head Office
07 872 0030
101 Bank Street
Te Awamutu 3800

Cambridge Office
07 823 3800
23 Wilson Street
Cambridge 3434

24 February 2020

Digitally Delivered

Peter Mario Francis Gill
PO Box 19185
Hamilton 3244

Dear Sir or Madam,

Reference Number: BC191291
Project Location: 1005 Te Rahu Road
Te Awamutu 3800
Legal description of land where building is located: Lot 1 DP 524071
Project Description: Lot 1 - New Dwelling 4 Bedrooms, 2 Bathrooms and Attached Double Garage
IR Number: 1

Inspection Results:
WASTEPIPES - DEFAULT - 24 Feb 2020 @ 09:49 by Garry Wensor

Inspection Outcome: PASS - The BCA is satisfied, on reasonable grounds, that the aspects of building work pertaining to this inspection demonstrate compliance with the building consent.

Inspection Summary: Project set out by Cogswell Surveyors as no boundary pegs sited, Statement required to accompany the set out plan already supplied . Project set out complies with consented documents. Pre floor plumbing complies, good falls can be achieved to council connection, A PS4 statement will be required to cover the construction of the building platform.

Your next inspection will be: **Wastepipes**
Inspections must be booked prior to 4.00pm on the day preceding the day of the required inspection.
Please quote the Building Consent number when booking inspections.

Outstanding Required Documents for this Building
Framing / Pre-wrap

- B1: Truss certification

Final

- E1: Stormwater Drain As-built Plans

- PS4 - Subgrade And Compacted Fill
- PS4 - Engineer Designed Ribraft Foundation
- PS4 - Onsite Stormwater Disposal System
- Form 6a - LBP record of building work - Foundations
- Form 6a - LBP record of building work - Carpentry
- Form 6a - LBP record of building work - Brick and blocklaying
- Form 6a - LBP record of building work - Roofing
- G9: Energy works certificate
- G12: Pipework pressure test documentation
- G13: As-builts, drainlayer details, pipework test

History

Inspection Name	**Summary**
Wastepipes	**IN-PROGRESS** - 24 Feb 2020
Framing / Pre-wrap	-
Post Wrap / Cavity	-
Preline	-
Post Line	-
Drainage	-
Final	-

Yours Sincerely,

Garry Wensor
Building Control Officer
On behalf of: Waipa District Council

Waipa DISTRICT COUNCIL

Postal Address
Private Bag 2402
Te Awamutu 3840
New Zealand

Head Office
07 872 0030
101 Bank Street
Te Awamutu 3800

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07 823 3800
23 Wilson Street
Cambridge 3434

28 February 2020

Digitally Delivered

Peter Mario Francis Gill
PO Box 19185
Hamilton 3244

Dear Sir or Madam,

Reference Number: BC191291
Project Location: 1005 Te Rahu Road
Te Awamutu 3800
Legal description of land where building is located: Lot 1 DP 524071
Project Description: Lot 1 - New Dwelling 4 Bedrooms, 2 Bathrooms and Attached Double Garage
IR Number: 2

Inspection Results:
FLOOR SLAB - 28 Feb 2020 @ 16:38 by Paulina van der Weijden

Inspection Outcome: PASS - The BCA is satisfied, on reasonable grounds, that the aspects of building work pertaining to this inspection demonstrate compliance with the building consent.

Formal Directive: Floor slab inspection passed
Producer statement engineer PS4 required
OK to continue

Inspection Summary: Floor slab inspection passed
Producer statement engineer PS4 required
OK to continue

Engineered design floor slab.
Layout complies with the consented plans
Mesh SE62 on 40mm chairs. Pods 1100x1100mm on .25DPM
Footing 300mmx300mm. Reinforcing HD12, 1 at the top and 2 at the bottom.
Thickening 3/HD12.
Laps comply.
Pipes penetrating the slab are sleeved.
Clearances can be achieved.

OK to continue

Your next inspection will be: **Framing / Pre-wrap**
Inspections must be booked prior to 4.00pm on the day preceding the day of the required inspection.
Please quote the Building Consent number when booking inspections.

Outstanding Required Documents for this Building
Floor Slab

- Form 6a - LBP record of building work - Foundations
- B1: Ground bearing certificate (PS3 / PS4)
- B1: Slab - Construction monitoring records (PS3 / PS4)

Framing / Pre-wrap

- B1: Truss certification

Final

- E1: Stormwater Drain As-built Plans
- Form 6a - LBP record of building work - Foundations
- Form 6a - LBP record of building work - Carpentry
- Form 6a - LBP record of building work - Brick and blocklaying
- Form 6a - LBP record of building work - Roofing
- G9: Energy works certificate
- G12: Pipework pressure test documentation
- G13: As-builts, drainlayer details, pipework test

History

Inspection Name	**Summary**
Wastepipes	**PASS** - 24 Feb 2020
Floor Slab	**PASS** - 28 Feb 2020
Framing / Pre-wrap	-
Post Wrap / Cavity	-
Preline	-
Post Line	-
Drainage	-
Final	-

Yours Sincerely,

Paulina van der Weijden
Building Compliance Officer - inspections
On behalf of: Waipa District Council

Notes: Floor Slab - engineer rib raft



Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Notes: Floor Slab - penetrations sleeved



Notes: Floor Slab - SE62



Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Waipa DISTRICT COUNCIL

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Cambridge 3434

11 March 2020

Digitally Delivered

Peter Mario Francis Gill
PO Box 19185
Hamilton 3244

Dear Sir or Madam,

Reference Number: BC191291
Project Location: 1005 Te Rahu Road
Te Awamutu 3800
Legal description of land where building is located: Lot 1 DP 524071
Project Description: Lot 1 - New Dwelling 4 Bedrooms, 2 Bathrooms and Attached Double Garage
IR Number: 3

Inspection Results:
DRAINAGE - 11 Mar 2020 @ 12:45 by Garry Wensor

Inspection Outcome: PASS - The BCA is satisfied, on reasonable grounds, that the aspects of building work pertaining to this inspection demonstrate compliance with the building consent.

Formal Directive: As laid drainage plan and PS4 to cover the on site storm water disposal system to be supplied before the CCC inspection.

Inspection Summary: Sewer and storm water drainage inspection has passed. storm water to onsite disposal system designed and inspected by engineer. Sewer to existing council connection. OK to back fill

Your next inspection will be: **Framing / Pre-wrap**
Inspections must be booked prior to 4.00pm on the day preceding the day of the required inspection.
Please quote the Building Consent number when booking inspections.

Outstanding Required Documents for this Building
Floor Slab

- Form 6a - LBP record of building work - Foundations
- B1: Ground bearing certificate (PS3 / PS4)
- B1: Slab - Construction monitoring records (PS3 / PS4)

Framing / Pre-wrap

- B1: Truss certification

Final

- E1: Stormwater Drain As-built Plans
- Form 6a - LBP record of building work - Foundations
- Form 6a - LBP record of building work - Carpentry
- Form 6a - LBP record of building work - Brick and blocklaying
- Form 6a - LBP record of building work - Roofing
- G9: Energy works certificate
- G12: Pipework pressure test documentation
- G13: As-builts, drainlayer details, pipework test

History

Inspection Name	Summary
Wastepipes	**PASS** - 24 Feb 2020
Floor Slab	**PASS** - 28 Feb 2020
Framing / Pre-wrap	-
Post Wrap / Cavity	-
Preline	-
Post Line	-
Drainage	**PASS** - 11 Mar 2020
Final	-

Yours Sincerely,

Garry Wensor
Building Control Officer
On behalf of: Waipa District Council

Waipa DISTRICT COUNCIL

Postal Address
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Te Awamutu 3840
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Cambridge 3434

30 April 2020

Digitally Delivered

Peter Mario Francis Gill
PO Box 19185
Hamilton 3244

Dear Sir or Madam,

Reference Number: BC191291
Project Location: 1005 Te Rahu Road
Te Awamutu 3800
Legal description of land where building is located: Lot 1 DP 524071
Project Description: Lot 1 - New Dwelling 4 Bedrooms, 2 Bathrooms and Attached Double Garage
IR Number: 4

Inspection Results:
FRAMING / PRE-WRAP - 30 Apr 2020 @ 09:00 by Garry Wensor

Inspection Outcome: PASS - The BCA is satisfied, on reasonable grounds, that the aspects of building work pertaining to this inspection demonstrate compliance with the building consent.

Formal Directive: To be completed and checked at the next inspection-
-- truss point load hold downs internal walls
-- complete joist hanger nails
-- jack stud to lintel fixings
-- ct200 truss fixing over front entry
-- also check water shut off valve location as it maybe located within gib bracing unit.

Inspection Summary: Apart from items detailed above, work complies. Items listed above can be checked at the next inspection. Structure generally consists of 90x45 h1.2 exterior frames with 70x45 internal (except load bearing) truss roof fixed to detailers plan. 70x45 purlins fixed with a blue screw and gun nail.

Your next inspection will be: **Preline**
Inspections must be booked prior to 4.00pm on the day preceding the day of the required inspection.
Please quote the Building Consent number when booking inspections.

Outstanding Required Documents for this Building

Floor Slab

- Form 6a - LBP record of building work - Foundations
- B1: Ground bearing certificate (PS3 / PS4)
- B1: Slab - Construction monitoring records (PS3 / PS4)

Framing / Pre-wrap

- B1: Truss certification

Final

- Form 6a - LBP record of building work - Foundations
- Form 6a - LBP record of building work - Carpentry
- Form 6a - LBP record of building work - Brick and blocklaying
- Form 6a - LBP record of building work - Roofing
- G9: Energy works certificate
- G12: Pipework pressure test documentation

History

Inspection Name	**Summary**
Wastepipes	**PASS** - 24 Feb 2020
Floor Slab	**PASS** - 28 Feb 2020
Framing / Pre-wrap	**PASS** - 30 Apr 2020
Post Wrap / Cavity	-
Preline	-
Post Line	-
Drainage	**PASS** - 11 Mar 2020
Final	-

Yours Sincerely,

Garry Wensor
Building Control Officer
On behalf of: Waipa District Council

Waipa DISTRICT COUNCIL

Postal Address
Private Bag 2402
Te Awamutu 3840
New Zealand

Head Office
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Te Awamutu 3800

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23 Wilson Street
Cambridge 3434

20 May 2020

Digitally Delivered

Peter Mario Francis Gill
PO Box 19185
Hamilton 3244

Dear Sir or Madam,

Reference Number: BC191291
Project Location: 1005 Te Rahu Road
Te Awamutu 3800
Legal description of land where building is located: Lot 1 DP 524071
Project Description: Lot 1 - New Dwelling 4 Bedrooms, 2 Bathrooms and Attached Double Garage
IR Number: 5

Inspection Results:
POST WRAP / CAVITY - 20 May 2020 @ 13:13 by Garry Wensor

Inspection Outcome: PASS - The BCA is satisfied, on reasonable grounds, that the aspects of building work pertaining to this inspection demonstrate compliance with the building consent.

Formal Directive: the building wrap requires some minor repairs , builder to address.

Inspection Summary: Post wrap inspection has passed, building wrap fixed correctly and horizontal tape at approx 800mm centres. Window support bars installed along with super coarse to sides and bottoms of windows. OK for work to proceed to the pre line inspection.

Your next inspection will be: **Preline**
Inspections must be booked prior to 4.00pm on the day preceding the day of the required inspection.
Please quote the Building Consent number when booking inspections.

Outstanding Required Documents for this Building
Floor Slab

- Form 6a - LBP record of building work - Foundations
- B1: Ground bearing certificate (PS3 / PS4)
- B1: Slab - Construction monitoring records (PS3 / PS4)

Framing / Pre-wrap

- B1: Truss certification

Final

- Form 6a - LBP record of building work - Foundations
- Form 6a - LBP record of building work - Carpentry
- Form 6a - LBP record of building work - Brick and blocklaying
- Form 6a - LBP record of building work - Roofing
- G9: Energy works certificate
- G12: Pipework pressure test documentation

History

Inspection Name	Summary
Wastepipes	**PASS** - 24 Feb 2020
Floor Slab	**PASS** - 28 Feb 2020
Framing / Pre-wrap	**PASS** - 30 Apr 2020
Post Wrap / Cavity	**PASS** - 20 May 2020
Preline	-
Post Line	-
Drainage	**PASS** - 11 Mar 2020
Final	-

Yours Sincerely,

Garry Wensor
Building Control Officer
On behalf of: Waipa District Council

Waipa DISTRICT COUNCIL

Postal Address
Private Bag 2402
Te Awamutu 3840
New Zealand

Head Office
07 872 0030
101 Bank Street
Te Awamutu 3800

Cambridge Office
07 823 3800
23 Wilson Street
Cambridge 3434

10 June 2020

Digitally Delivered

Peter Mario Francis Gill
PO Box 19185
Hamilton 3244

Dear Sir or Madam,

Reference Number: BC191291
Project Location: 1005 Te Rahu Road
Te Awamutu 3800
Legal description of land where building is located: Lot 1 DP 524071
Project Description: Lot 1 - New Dwelling 4 Bedrooms, 2 Bathrooms and Attached Double Garage
IR Number: 6

Inspection Results:
PRELINE - 10 Jun 2020 @ 13:39 by Gary McFarlane

Inspection Outcome: PASS - The BCA is satisfied, on reasonable grounds, that the aspects of building work pertaining to this inspection demonstrate compliance with the building consent.

Inspection Summary: Preline inspection has passed. Insulation tidy. Plumbing pipe work siliconed in place. Moisture content good. Ok to continue.

Your next inspection will be: **Post Line**
Inspections must be booked prior to 4.00pm on the day preceding the day of the required inspection.
Please quote the Building Consent number when booking inspections.

Outstanding Required Documents for this Building
Floor Slab

- Form 6a - LBP record of building work - Foundations
- B1: Ground bearing certificate (PS3 / PS4)
- B1: Slab - Construction monitoring records (PS3 / PS4)

Framing / Pre-wrap

- B1: Truss certification

Final

- Form 6a - LBP record of building work - Foundations
- Form 6a - LBP record of building work - Carpentry
- Form 6a - LBP record of building work - Brick and blocklaying
- Form 6a - LBP record of building work - Roofing
- G9: Energy works certificate
- G12: Pipework pressure test documentation

History

Inspection Name	Summary
Wastepipes	**PASS** - 24 Feb 2020
Floor Slab	**PASS** - 28 Feb 2020
Framing / Pre-wrap	**PASS** - 30 Apr 2020
Post Wrap / Cavity	**PASS** - 20 May 2020
Preline	**PASS** - 10 Jun 2020
Post Line	-
Drainage	**PASS** - 11 Mar 2020
Final	-

Yours Sincerely,

Gary McFarlane
Building Control Officer
On behalf of: Waipa District Council

Waipa DISTRICT COUNCIL

Postal Address
Private Bag 2402
Te Awamutu 3840
New Zealand

Head Office
07 872 0030
101 Bank Street
Te Awamutu 3800

Cambridge Office
07 823 3800
23 Wilson Street
Cambridge 3434

17 June 2020

Digitally Delivered

Peter Mario Francis Gill
PO Box 19185
Hamilton 3244

Dear Sir or Madam,

Reference Number: BC191291
Project Location: 1005 Te Rahu Road
Te Awamutu 3800
Legal description of land where building is located: Lot 1 DP 524071
Project Description: Lot 1 - New Dwelling 4 Bedrooms, 2 Bathrooms and Attached Double Garage
IR Number: 7

Inspection Results:
POST LINE - 17 Jun 2020 @ 09:59 by Garry Wensor

Inspection Outcome: PASS - The BCA is satisfied, on reasonable grounds, that the aspects of building work pertaining to this inspection demonstrate compliance with the building consent.

Inspection Summary: Post line inspection has passed, gib board bracing linings in the correct locations and fixed to winstones bracing fixing details.

Your next inspection will be: **Final**
Inspections must be booked prior to 4.00pm on the day preceding the day of the required inspection.
Please quote the Building Consent number when booking inspections.

Outstanding Required Documents for this Building
Floor Slab

- Form 6a - LBP record of building work - Foundations
- B1: Ground bearing certificate (PS3 / PS4)
- B1: Slab - Construction monitoring records (PS3 / PS4)

Framing / Pre-wrap

- B1: Truss certification

Final

- Form 6a - LBP record of building work - Foundations
- Form 6a - LBP record of building work - Carpentry
- Form 6a - LBP record of building work - Brick and blocklaying
- Form 6a - LBP record of building work - Roofing
- G9: Energy works certificate
- G12: Pipework pressure test documentation

History

Inspection Name	Summary
Wastepipes	**PASS** - 24 Feb 2020
Floor Slab	**PASS** - 28 Feb 2020
Framing / Pre-wrap	**PASS** - 30 Apr 2020
Post Wrap / Cavity	**PASS** - 20 May 2020
Preline	**PASS** - 10 Jun 2020
Post Line	**PASS** - 17 Jun 2020
Drainage	**PASS** - 11 Mar 2020
Final	-

Yours Sincerely,

Garry Wensor
Building Control Officer
On behalf of: Waipa District Council

Waipa DISTRICT COUNCIL

Postal Address
Private Bag 2402
Te Awamutu 3840
New Zealand

Head Office
07 872 0030
101 Bank Street
Te Awamutu 3800

Cambridge Office
07 823 3800
23 Wilson Street
Cambridge 3434

07 August 2020

Digitally Delivered

Peter Mario Francis Gill
PO Box 19185
Hamilton 3244

Dear Sir or Madam,

Reference Number: BC191291
Project Location: 1005 Te Rahu Road
Te Awamutu 3800
Legal description of land where building is located: Lot 1 DP 524071
Project Description: Lot 1 - New Dwelling 4 Bedrooms, 2 Bathrooms and Attached Double Garage
IR Number: 8

Inspection Results:
FINAL - 07 Aug 2020 @ 09:44 by Sarah Kraayvanger

Inspection Outcome: PASS - The BCA is satisfied, on reasonable grounds, that the aspects of building work pertaining to this inspection demonstrate compliance with the building consent.

Formal Directive: No further inspection required. All required documentation received and approved. Code Compliance Certificate can now be approved.

Inspection Summary: All external envelope is completed. Weatherboards above windows painted and sealed. Weep holes located within brick work. Stormwater catch pit located at rear of dwelling (covered under PS4). Good clearance around decking. Tv vent located and 3x gullies at correct heights. Finish floor level complies at time of inspection.
Smoke alarms x 2 located within 3m of all sleeping areas. Safety glass located were applicable. All wet areas sealed and completed. Mechanical ventilation, vented correctly to the external envelope (sofits). Hot water cylinder located within hallway cupboard. Fitted with safety tray and seismic restraint. 55 degrees hot water reading.

Your next inspection will be: **No further inspection required**

Outstanding Required Documents for this Building

History

Inspection Name	Summary
Wastepipes	**PASS** - 24 Feb 2020
Floor Slab	**PASS** - 28 Feb 2020
Framing / Pre-wrap	**PASS** - 30 Apr 2020
Post Wrap / Cavity	**PASS** - 20 May 2020
Preline	**PASS** - 10 Jun 2020
Post Line	**PASS** - 17 Jun 2020
Drainage	**PASS** - 11 Mar 2020
Final	**PASS** - 07 Aug 2020

Yours Sincerely,

Sarah Kraayvanger
Building Control Officer
On behalf of: Waipa District Council

Notes: Final - smoke alarm located within 3m of sleeping areas



Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Notes: Final - seismic restraint



Notes: Final - safety tray with overflow



Notes: Final - external vent



Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Notes: Final - finish floor level with gullies



Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Notes: Final - TV vent



Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Notes: Final - gulley located a side front



Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Notes: Final - catch pit



Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Notes: Final - rear elevation



Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Notes: Final - ensuite



Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Notes: Final - ensuite shower



Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Notes: Final - single WC



Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Notes: Final - main bathroom



Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Notes: Final - laundry located within garage area.



Notes: Final - kitchen



Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

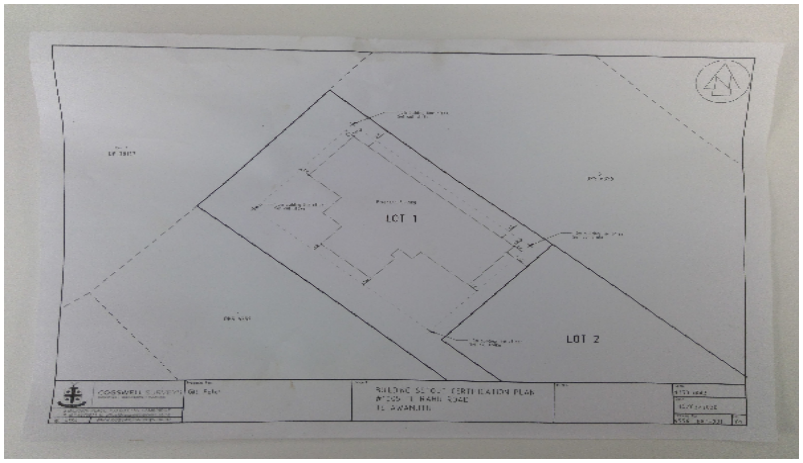
Notes: Final - kitchen completed



Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Inspection Photos Record on Project 191291

Building: Main Building
Inspection: Wastepipes
Clone: Default
Question: Is the siting and building orientation confirmed to be in accordance with building consent? Request a Survey Certificate / Building Location Certificate if siting cannot be adequately verified.
Inspector: Garry Wensor
Timestamp: 2020-02-24 09:49:10
Comment: Wastepipes - Building set out cert plan 24/02/20



Building: Main Building
Inspection: Floor Slab
Question: Is floor slab siting and construction in accordance with building consent? Prompt list questions 1 and 2 may have been answered previously under the siting and site scrape inspection - if so select N/A for these two questions.
Inspector: Paulina van der Weijden
Timestamp: 2020-02-28 16:38:20
Comment: Floor Slab - engineer rib raft

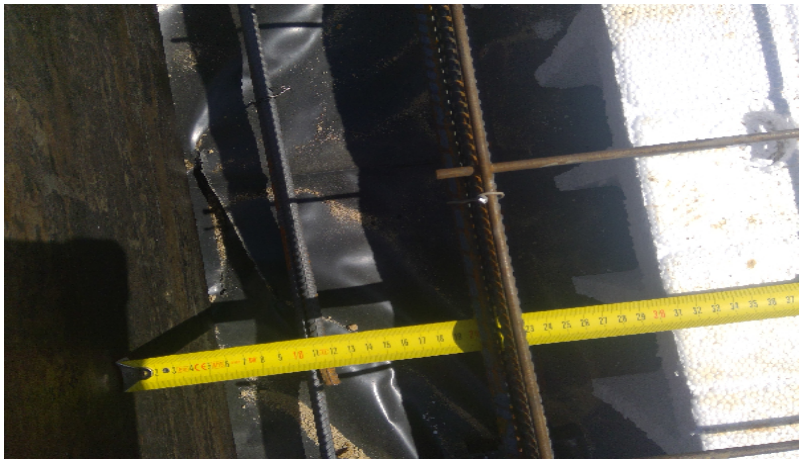


Building: Main Building
Inspection: Floor Slab
Question: Is floor slab siting and construction in accordance with building consent? Prompt list questions 1 and 2 may have been answered previously under the siting and site scrape inspection - if so select N/A for these two questions.
Inspector: Paulina van der Weijden
Timestamp: 2020-02-28 16:38:20
Comment: Floor Slab - 1HD top and 2 at the bottom



Inspection Photos Record on Project 191291

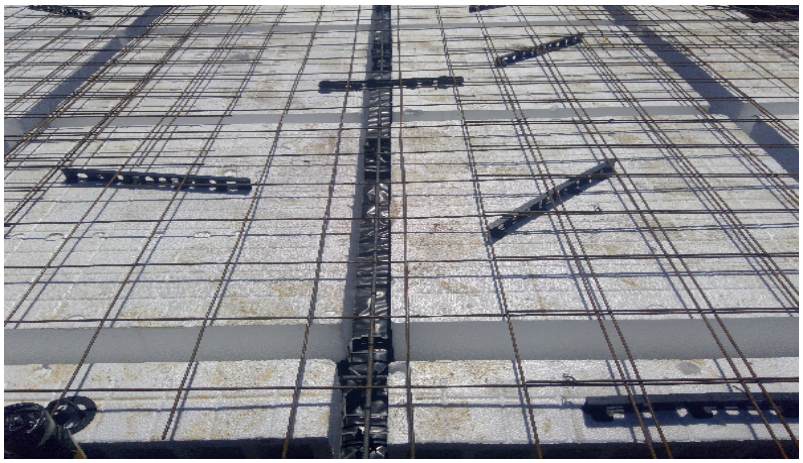
Building: Main Building
Inspection: Floor Slab
Question: Is floor slab siting and construction in accordance with building consent? Prompt list questions 1 and 2 may have been answered previously under the siting and site scrape inspection - if so select N/A for these two questions.
Inspector: Paulina van der Weijden
Timestamp: 2020-02-28 16:38:20
Comment: Floor Slab - footing 300mm wide



Building: Main Building
Inspection: Floor Slab
Question: Is floor slab siting and construction in accordance with building consent? Prompt list questions 1 and 2 may have been answered previously under the siting and site scrape inspection - if so select N/A for these two questions.
Inspector: Paulina van der Weijden
Timestamp: 2020-02-28 16:38:20
Comment: Floor Slab - 2 HD12 reinforcing corner



Building: Main Building
Inspection: Floor Slab
Question: Is floor slab siting and construction in accordance with building consent? Prompt list questions 1 and 2 may have been answered previously under the siting and site scrape inspection - if so select N/A for these two questions.
Inspector: Paulina van der Weijden
Timestamp: 2020-02-28 16:38:20
Comment: Floor Slab - 1HD rib



Inspection Photos Record on Project 191291

Building: Main Building
Inspection: Floor Slab
Question: Is floor slab siting and construction in accordance with building consent? Prompt list questions 1 and 2 may have been answered previously under the siting and site scrape inspection - if so select N/A for these two questions.
Inspector: Paulina van der Weijden
Timestamp: 2020-02-28 16:38:20
Comment: Floor Slab - 3HD12 thickening



Building: Main Building
Inspection: Floor Slab
Question: Is floor slab siting and construction in accordance with building consent? Prompt list questions 1 and 2 may have been answered previously under the siting and site scrape inspection - if so select N/A for these two questions.
Inspector: Paulina van der Weijden
Timestamp: 2020-02-28 16:38:20
Comment: Floor Slab - penetrations sleeved



Building: Main Building
Inspection: Floor Slab
Question: Is floor slab siting and construction in accordance with building consent? Prompt list questions 1 and 2 may have been answered previously under the siting and site scrape inspection - if so select N/A for these two questions.
Inspector: Paulina van der Weijden
Timestamp: 2020-02-28 16:38:20
Comment: Floor Slab - .25mm polythene



Inspection Photos Record on Project 191291

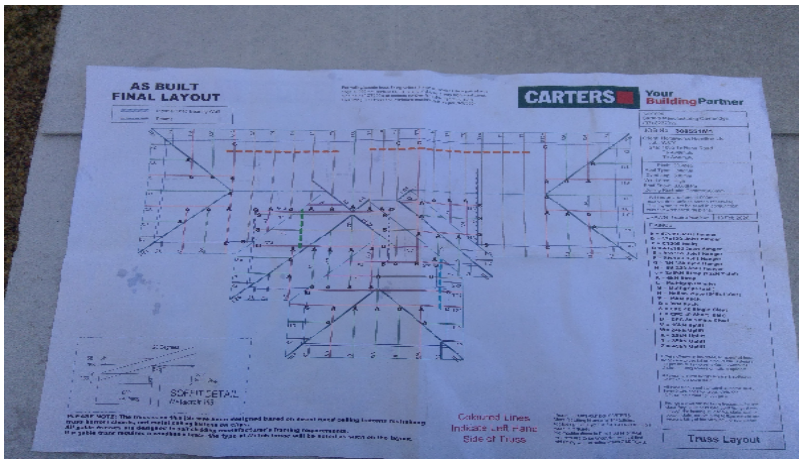
Building: Main Building
Inspection: Floor Slab
Question: Is floor slab siting and construction in accordance with building consent? Prompt list questions 1 and 2 may have been answered previously under the siting and site scrape inspection - if so select N/A for these two questions.
Inspector: Paulina van der Weijden
Timestamp: 2020-02-28 16:38:20
Comment: Floor Slab - SE62



Building: Main Building
Inspection: Floor Slab
Question: Is floor slab siting and construction in accordance with building consent? Prompt list questions 1 and 2 may have been answered previously under the siting and site scrape inspection - if so select N/A for these two questions.
Inspector: Paulina van der Weijden
Timestamp: 2020-02-28 16:38:20
Comment: Floor Slab - 400mm chairs



Building: Main Building
Inspection: Framing / Pre-wrap
Question: Is roof truss construction, layout, bracing and connections in accordance with building consent?
Inspector: Garry Wensor
Timestamp: 2020-04-30 09:00:14
Comment: Framing / Pre-wrap - truss plan #1 30/04/20



Inspection Photos Record on Project 191291

Building: Main Building
Inspection: Final
Question: Has a complying Type 1 smoke alarm been installed and are detectors located in accordance with building consent documentation?
Inspector: Sarah Kraayvanger
Timestamp: 2020-08-07 09:44:49
Comment: Final - smoke alarm located within 3m of sleeping areas



Building: Main Building
Inspection: Final
Question: Is the hot water and cold water system installed in accordance with the building consent?
Inspector: Sarah Kraayvanger
Timestamp: 2020-08-07 09:44:49
Comment: Final - seismic restraint



Building: Main Building
Inspection: Final
Question: Is the hot water and cold water system installed in accordance with the building consent?
Inspector: Sarah Kraayvanger
Timestamp: 2020-08-07 09:44:49
Comment: Final - safety tray with overflow



Inspection Photos Record on Project 191291

Building: Main Building
Inspection: Final
Question: Is the foul water system installed in accordance with building consent?
Inspector: Sarah Kraayvanger
Timestamp: 2020-08-07 09:44:49
Comment: Final - external vent



Building: Main Building
Inspection: Final
Question: Is the foul water system installed in accordance with building consent?
Inspector: Sarah Kraayvanger
Timestamp: 2020-08-07 09:44:49
Comment: Final - finish floor level with gullies



Building: Main Building
Inspection: Final
Question: Is the foul water system installed in accordance with building consent?
Inspector: Sarah Kraayvanger
Timestamp: 2020-08-07 09:44:49
Comment: Final - TV vent



Inspection Photos Record on Project 191291

Building: Main Building
Inspection: Final
Question: Is the foul water system installed in accordance with building consent?
Inspector: Sarah Kraayvanger
Timestamp: 2020-08-07 09:44:49
Comment: Final - gulley located a side front



Building: Main Building
Inspection: Final
Question: Is finished construction of the rain and stormwater system and cesspits compliant?
Inspector: Sarah Kraayvanger
Timestamp: 2020-08-07 09:44:49
Comment: Final - catch pit



Building: Main Building
Inspection: Final
Question: Wall Cladding: Is the exterior weathertight and is finished construction of the wall cladding systems in accordance with building consent?
Inspector: Sarah Kraayvanger
Timestamp: 2020-08-07 09:44:49
Comment: Final - rear elevation



Inspection Photos Record on Project 191291

Building: Main Building
Inspection: Final
Question: Wall Cladding: Is the exterior weathertight and is finished construction of the wall cladding systems in accordance with building consent?
Inspector: Sarah Kraayvanger
Timestamp: 2020-08-07 09:44:49
Comment: Final - elevation



Building: Main Building
Inspection: Final
Question: Is completed construction of personal hygiene facilities in accordance with building consent?
Inspector: Sarah Kraayvanger
Timestamp: 2020-08-07 09:44:49
Comment: Final - ensuite



Building: Main Building
Inspection: Final
Question: Is completed construction of personal hygiene facilities in accordance with building consent?
Inspector: Sarah Kraayvanger
Timestamp: 2020-08-07 09:44:49
Comment: Final - ensuite shower



Inspection Photos Record on Project 191291

Building: Main Building
Inspection: Final
Question: Is completed construction of personal hygiene facilities in accordance with building consent?
Inspector: Sarah Kraayvanger
Timestamp: 2020-08-07 09:44:49
Comment: Final - single WC



Building: Main Building
Inspection: Final
Question: Is completed construction of personal hygiene facilities in accordance with building consent?
Inspector: Sarah Kraayvanger
Timestamp: 2020-08-07 09:44:49
Comment: Final - main bathroom



Building: Main Building
Inspection: Final
Question: Does the completed construction of the laundering facilities comply with the building consent?
Inspector: Sarah Kraayvanger
Timestamp: 2020-08-07 09:44:49
Comment: Final - laundry located within garage area.



Inspection Photos Record on Project 191291

Building: Main Building
Inspection: Final
Question: Is finished construction of the food preparation facilities in accordance with building consent?
Inspector: Sarah Kraayvanger
Timestamp: 2020-08-07 09:44:49
Comment: Final - kitchen



Building: Main Building
Inspection: Final
Question: Is finished construction of the food preparation facilities in accordance with building consent?
Inspector: Sarah Kraayvanger
Timestamp: 2020-08-07 09:44:49
Comment: Final - kitchen completed



Phoenix
Consulting Engineers Ltd

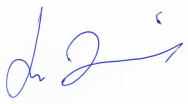
22 MATOS SEGEDIN DRIVE, CAMBRIDGE
TEL. 07 5603555

CONSTRUCTION REVIEW PRODUCER STATEMENT PS4 FOR CONSTRUCTION INSPECTION

OF THE BUILDING PLATFORM

FOR THE PROPOSED NEW DWELLING AT 1005 TE RAHU ROAD, TE AWAMUTU

20 FEBRUARY 2020
PCE REFERENCE: 171091.03

Responsibility	**Name** **Position / Qualifications**	**Signature**
Prepared by	Amanda Longshaw	pp 
Reviewed by	Robin Dawson CPEng. No. 149142	

Building Code Clause(s) B1/VM1/VM4

PRODUCER STATEMENT – PS4 – CONSTRUCTION REVIEW

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

ISSUED BY: Phoenix Consulting Engineers Ltd
(Construction Review Firm)

TO: Latitude Homes
(Owner/Developer)

TO BE SUPPLIED TO: Waipa District Council
(Building Consent Authority)

IN RESPECT OF: Building platform inspection and compaction testing
(Description of Building Work)

AT: 1007 Te Rahu Road
(Address)

Town/City: Te Awamutu **LOT** 1 **DP** S 6355 **SO**
(Address)

We Phoenix Consulting Engineers Ltd have been engaged by Latitude Homes
(Construction Review Firm)

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

or ☒ other Engineering inspection services
(Extent of Engagement)

in respect of clause(s) B1/VM1/VM4 of the Building Code for the building work described in documents relating to Building Consent No. 191291 and those relating to Building Consent Amendment(s) Nos. 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. (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/VM1/VM4 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, Robin Dawson of GWE Consulting Ltd am: ☒ CPEng 149142 # ☐ Reg Arch #
(Name of Construction Review Professional)

I am a member of: ☒ Engineering New Zealand ☐ NZIA and hold the following qualifications BE (Hons)
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 Robin Dawson of GWE Consulting Ltd (Signature)
(Name of Construction Review Professional)

ON BEHALF OF Phoenix Consulting Engineers Ltd Date 26/02/2020
(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

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

CONSTRUCTION REVIEW

We can confirm visiting the above property above on 19/02/2020 for the purpose of inspecting the subgrade. The inspection was carried out by Amanda Longshaw; the contractor T&C Earthworks was informed that the inspection was ***passed***. This inspection covers the associated works listed below;

1. Subgrade for proposed building platform confirming;
    a. That all topsoil and unsuitable soils have been removed from the building platform area.
    b. The subgrade has been tested at the time of excavation to a depth of 1 metre confirming the subgrade is satisfactory for the proposed building platform.
    c. Extents of the building platform in relation to building footprint location have not been confirmed as part of this PS4, but testing of the subgrade has been completed based on a minimum of 500mm of building platform outside the line of the proposed foundations.
    d. Underlying soil conditions are covered by the soils assessment carried out by Phoenix Consulting Engineers Limited, but are not included with this PS4.
    e. The subgrade excavations have been carried in accordance with recommendations made in the soils assessment of the site.
    f. Depth measurements of the excavation have been undertaken at approximately the four corners of the excavation, and the excavated depth below existing ground level was 300mm. Some deeper and some shallower areas were noted throughout the excavation.

We can confirm visiting the above property above on 20/02/2020 for the purpose of inspecting the building platform. The inspection was carried out by Amanda Longshaw; the contractor T&C Earthworks was informed that the inspection was ***passed***. This inspection covers the associated works listed below;

1. Building platform inspection and compaction testing, confirming;
    a. The building platform has been compacted to a minimum 300kPa ultimate bearing pressure.
    b. Extents of the building platform in relation to building footprint location have not been confirmed as part of this PS4, but testing of the building platform has been completed based on a minimum of 500mm of building platform outside the line of the proposed foundations.

Note:

- *This statement applies to the members specified and no other part of the structure.*
- *If any problems arise during the construction of these members, we should be consulted.*
- *This report has been prepared solely for the benefit of our client with respect to the brief. The reliance by other parties on the information or opinions contained in the report shall, without our prior review and agreement in writing, be at such parties' sole risk.*

SITE PHOTOS



Photo of Subgrade inspection



Photo of Building Platform inspection

Phoenix Consulting Engineers Ltd

Inspection Type: (Digout) Building Platform

Client	Latitude Homes	PCE Ref	171091-02
Address	1007 Te Rahu Road, Te Awamutu	Lot No.	DP
Contractor	T&C Earthworks Contacted	Geo. Rec.:	
Shear Vane S / N:		Foundation Type:	raft

Retest: Yes (No)

Inspected by: Amanda Langshaw Date 19 / 02 / 20 Arrive : Depart : (Pass) Fail

	SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11	SP12
100	–	–	–	–								
200	2	2	3	2								
300	2	2	2	3								
400	2	2	3	2								
500	2	3	2	2								
600	3	3	2	2								
700	5	5	3	2								
800	5	2	3	2								
900	3	2	3	3								
1000												
DO / SP Depth	300	300	700	500								

	SV1	SV2	SV3	SV4	SV5	SV6	SV7	SV8	SV9	SV10	SV11	SV12
SV Depth												
Specify												

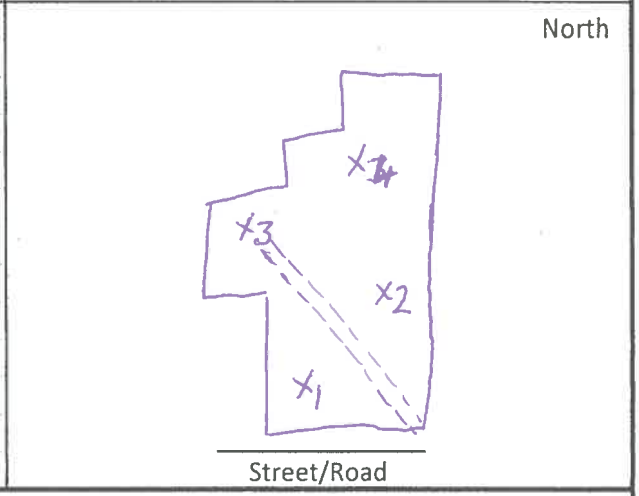
	SV1	SV2	SV3	SV4	SV5	SV6	SV7	SV8	SV9	SV10	SV11	SV12
SV Depth												
Specify												

Soil Type:

Notes

::: = extra excavation due to old SW pipe ~1m

Location Sketch



Procedure

Digout

1. Determine if dug out to correct depth
2. Identify any soft spots
3. Perform DCP tests; shear vanes for clay soils
4. Determine if pass or fail for the proposed foundation
5. Photo of overall digout
6. Photos of digout depth

Sandpad

1. Perform DCP tests through natural ground
2. Determine if correct thickness with hand auger if required
3. Determine if pass or fail for prop. foundation
4. Photo of overall sandpad
5. Contact contractor if failed and schedule a re-inspection (text contractor if passed)

Phoenix Consulting Engineers Ltd

Inspection Type: Digout / Building Platform

Client	Latitude Homes	PCE Ref 171091.02	Retest: Yes No
Address	1007 Te Rahu Road, Te Awamutu	Lot No.	DP
Contractor	T&C Earthworks (Contacted)	Geo. Rec.:	
Shear Vane S / N:		Foundation Type: raft	
Inspected by: Taz Hayward, Amanda L	Date 20/02/20	Arrive :	Depart : Pass / Fail

	SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11	SP12
100	-	-	-	-								
200	5	6	6	5								
300	5	8	11	8								
400	3	10	7	5								
500	3	15	3	5								
600	3	Urp	3	3								
700	3		2	3								
800	5		2	2								
900	5		3	3								
1000												
DO / SP Depth	350	900	300	350								

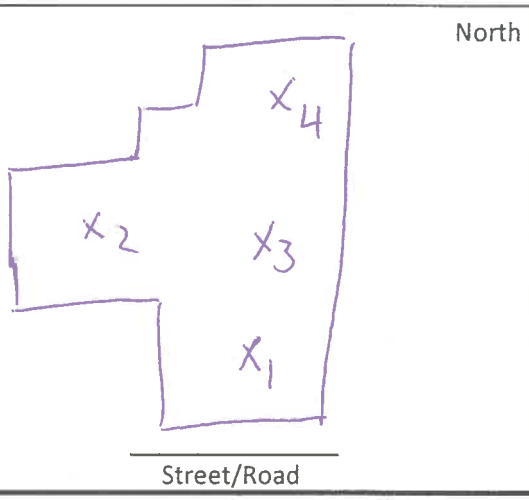
	SV1	SV2	SV3	SV4	SV5	SV6	SV7	SV8	SV9	SV10	SV11	SV12
SV Depth												
Specify												

	SV1	SV2	SV3	SV4	SV5	SV6	SV7	SV8	SV9	SV10	SV11	SV12
SV Depth												
Specify												

Soil Type:

Notes

Location Sketch



Procedure

Digout

1. Determine if dug out to correct depth
2. Identify any soft spots
3. Perform DCP tests; shear vanes for clay soils
4. Determine if pass or fail for the proposed foundation
5. Photo of overall digout
6. Photos of digout depth

Sandpad

1. Perform DCP tests through natural ground
2. Determine if correct thickness with hand auger if required
3. Determine if pass or fail for prop. foundation
4. Photo of overall sandpad
5. Contact contractor if failed and schedule a re-inspection (text contractor if passed)

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: 1007 Te Rahu Road	
Suburb:	
Town/City: Te Awamutu	Postcode:

THE PROJECT

Building consent number: 191291

THE OWNER(S)

Name(s): Latitude Homes Waikato		
Mailing address: PO BOX		
Suburb: Rototuna	PO Box/Private Bag: 21188	
Town/City: Hamilton		Postcode: 3256
Phone number:	Email address:	

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

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 ✓	If necessary, describe the restricted building work.	Tick ✓ whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Foundations and subfloor framing ☑	Compacted sand pad testing with a minimum compaction of 300kPa ultimate bearing pressure.	○ Carried out ◉ Supervised
Walls ☐	N/A	○ Carried out ○ Supervised
Roof ☐	N/A	○ Carried out ○ Supervised
Columns and beams ☐	N/A	○ Carried out ○ Supervised
Bracing ☐	N/A	○ Carried out ○ Supervised
Other ☐	N/A	○ Carried out ○ Supervised

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

EXTERNAL MOISTURE MANAGEMENT SYSTEMS		
Work that is restricted building work	**Description of restricted building work**	**Carried out or supervised**
Tick ✓	If necessary, describe the restricted building work.	Tick ✓ whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Damp proofing ☐	N/A	◯ Carried out ◯ Supervised
Roof cladding or roof cladding system ☐	N/A	◯ Carried out ◯ Supervised
Ventilation system (for example, subfloor or cavity) ☐	N/A	◯ Carried out ◯ Supervised
Wall cladding or wall cladding system ☐	N/A	◯ Carried out ◯ Supervised
Waterproofing ☐	N/A	◯ Carried out ◯ Supervised
Other ☐	N/A	◯ Carried out ◯ Supervised

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

ISSUED BY

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

Name: Robin Dawson	LBP number: 149142
Class(es) licensed in:	
Chartered Engineer	
Plumbers, Gasfitters and Drainlayers registration number (if applicable):	
Mailing address (if different from below):	
Street address/Registered office: 22 Matos Segedin Drive	
Suburb: Leamington	Town/City: Cambridge
PO Box/Private Bag	Postcode: 3495
Phone number: 07 560 3555	Mobile: 021 614 827
After hours:	Fax:
Email address: info@pce.net.nz	Website:

DECLARATION

I Robin Dawson reviewed others who carried out or supervised the restricted building work recorded on this form.

Signature: 

Date: 26/02/2020

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Phoenix
Consulting Engineers Ltd

22 MATOS SEGEDIN DRIVE, CAMBRIDGE
TEL. 07 5603555

CONSTRUCTION REVIEW PRODUCER STATEMENT PS4 FOR CONSTRUCTION INSPECTION

OF STORM WATER DISPOSAL SYSTEM

FOR THE PROPOSED NEW DWELLING AT 1005 TE RAHI ROAD , TE AWAMUTU

25 MARCH 2020
PCE REFERENCE: 191177.02

Responsibility	Name Position / Qualifications	Signature
Prepared by	Amanda Longshaw	pp
Reviewed by	Robin Dawson CPEng. No. 149142	

CONSTRUCTION REVIEW

We can confirm visiting the above property above on 11/03/2020 for the purpose of inspecting the storm water disposal system. The inspection was carried out by Richard Hemming; the contractor was informed that the inspection was ***passed***. This inspection covers the associated works listed below;

1. Storm water disposal systems supervision and inspections, confirming;
    a. That the storm water disposal system has been installed in accordance with the building consent documents viewed on site.
    b. That the volume of the storm water disposal system is as per the design documents viewed on site.

Note:

- *This statement applies to the members specified and no other part of the structure.*
- *If any problems arise during the construction of these members, we should be consulted.*
- *This report has been prepared solely for the benefit of our client with respect to the brief. The reliance by other parties on the information or opinions contained in the report shall, without our prior review and agreement in writing, be at such parties' sole risk.*

Building Code Clause(s) E1/VM1

PRODUCER STATEMENT – PS4 – CONSTRUCTION REVIEW

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

ISSUED BY: Phoenix Consulting Engineers Ltd
(Construction Review Firm)

TO: Latitude Homes
(Owner/Developer)

TO BE SUPPLIED TO: Waipa District Council
(Building Consent Authority)

IN RESPECT OF: Storm water trench
(Description of Building Work)

AT: 1005 Te Rahi Road
(Address)

Town/City: Te Awamutu **LOT** 1 **DP** 524071 **SO**
(Address)

We Phoenix Consulting Engineers Ltd have been engaged by Latitude Homes
(Construction Review Firm)

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

or ☒ other Engineering inspection services
(Extent of Engagement)

in respect of clause(s) E1/VM1 of the Building Code for the building work described in documents relating to Building Consent No. 191291 and those relating to Building Consent Amendment(s) Nos. 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. (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) E1/VM1 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, Robin Dawson of GWE Consulting am: ☒ CPEng 149142 # ☐ Reg Arch #
(Name of Construction Review Professional)

I am a member of: ☒ Engineering New Zealand ☐ NZIA and hold the following qualifications BE (Hons)
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 Robin Dawson of GWE Consulting (Signature)
(Name of Construction Review Professional)

ON BEHALF OF Phoenix Consulting Engineers Ltd Date 01/04/2020
(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.

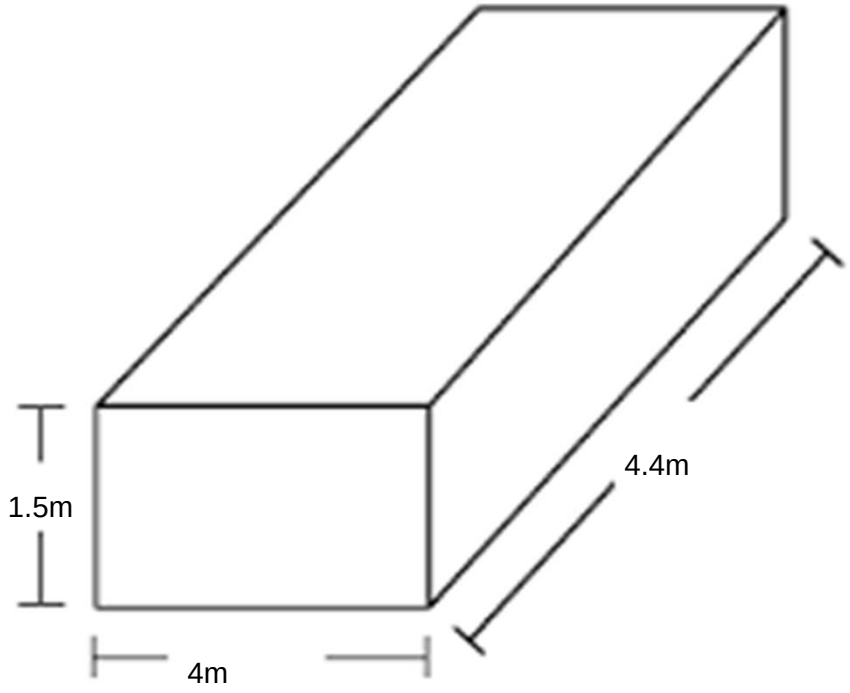
THIS FORM AND ITS CONDITIONS ARE COPYRIGHT TO ACENZ, ENGINEERING NEW ZEALAND AND NZIA

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Phoenix Consulting Engineers Ltd

Inspection Type: Stormwater Trench

Client	Latitude Homes	PCE Ref 191171	Retest: Yes (No)
Address	1005 Te Rahu Road, Te Awamutu	Lot No.	DP
Contractor	Drainage systems	Recommended Size:	
Inspected by:	Amanda Longshaw	Date 11 / 03 /20	Arrive : Depart : (Pass) Fail



Area: 17.2m^2

Volume: 25.8m^3

Soil Type:

Location Sketch

North Arrow

Street/Road

Notes

soakage trench for dwelling only

Procedure

1. Measure to confirm correct size
2. Overall photo
3. Determine pass or fail
4. Contact contractor / client if fail and schedule re-inspection

Waikato Building Consents

Working Together

As Laid Drainage

Building Consent Number: 19-1291 Date: 11 / 03 / 20 No. of pages: 1

Builder: LATITUDE HOMES LTD

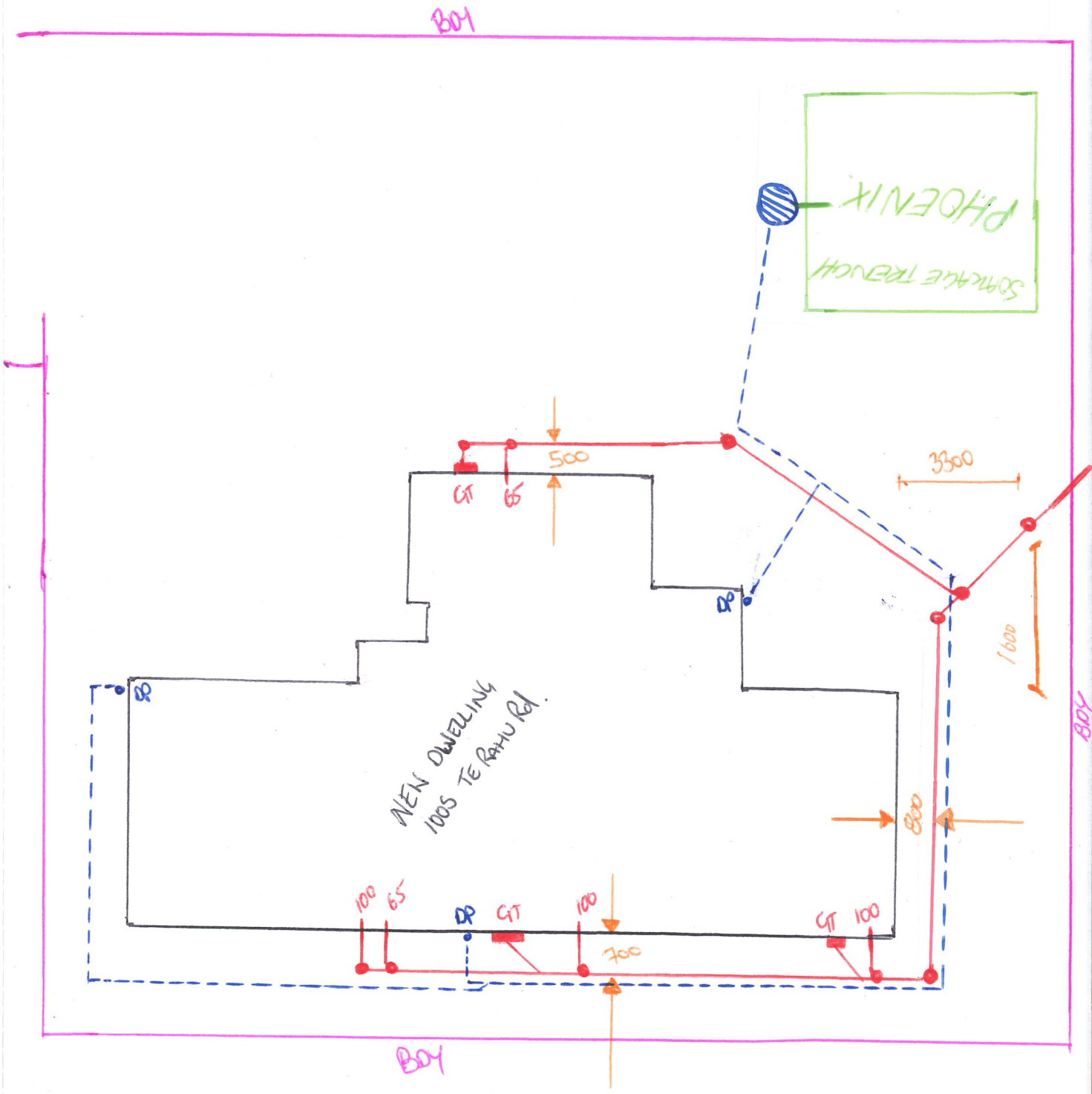
Owner: PETER GILL

Address: 1005 TE RAHI ROAD, TE AWAMUTU

Drain Layer Name: HAMISH MCKENZIE *[Please print clearly]* Signature:

Registration Number: 21413 Business Name: DRAINAGE SYSTEMS

To Council: *[Tick]* ☐ Hauraki ☐ Matamata-Piako ☐ Waitomo ☐ Otorohanga ☐ Thames-Coromandel ☑ Waipa ☐ Waikato ☐ Hamilton



DRAINAGE SYSTEMS LTD
residential, commercial & environmental drainage

11 - 3 – 2020

Latitude Homes Ltd
P.O Box 21188
Hamilton

P.S.3 Producer Statement Construction
Gill Residence - 1005 Te Rahi Road, Te Awamutu
Waipa District Council Consent No: 19-1291

The stormwater management system to the above contract was installed and constructed by Drainage Systems Ltd.
Construction was in accordance with the engineered design by Phoenix Engineers Ltd - Cambridge.

If you have any queries concerning the above, please contact me on 021 548 115.

Regards.



Ollie Silverton

p 07 850 4370
m 021 548 115
f 07 850 4373
a PO Box 27026, Hamilton 3257
e ollie@drainagesystems.co.nz
w www.drainagesystems.co.nz

Waikato Building Consents

Working Together

As Laid Drainage

Building Consent Number: 19-1291 Date: 11 / 03 / 20 No. of pages: 1

Builder: LATITUDE HOMES LTD

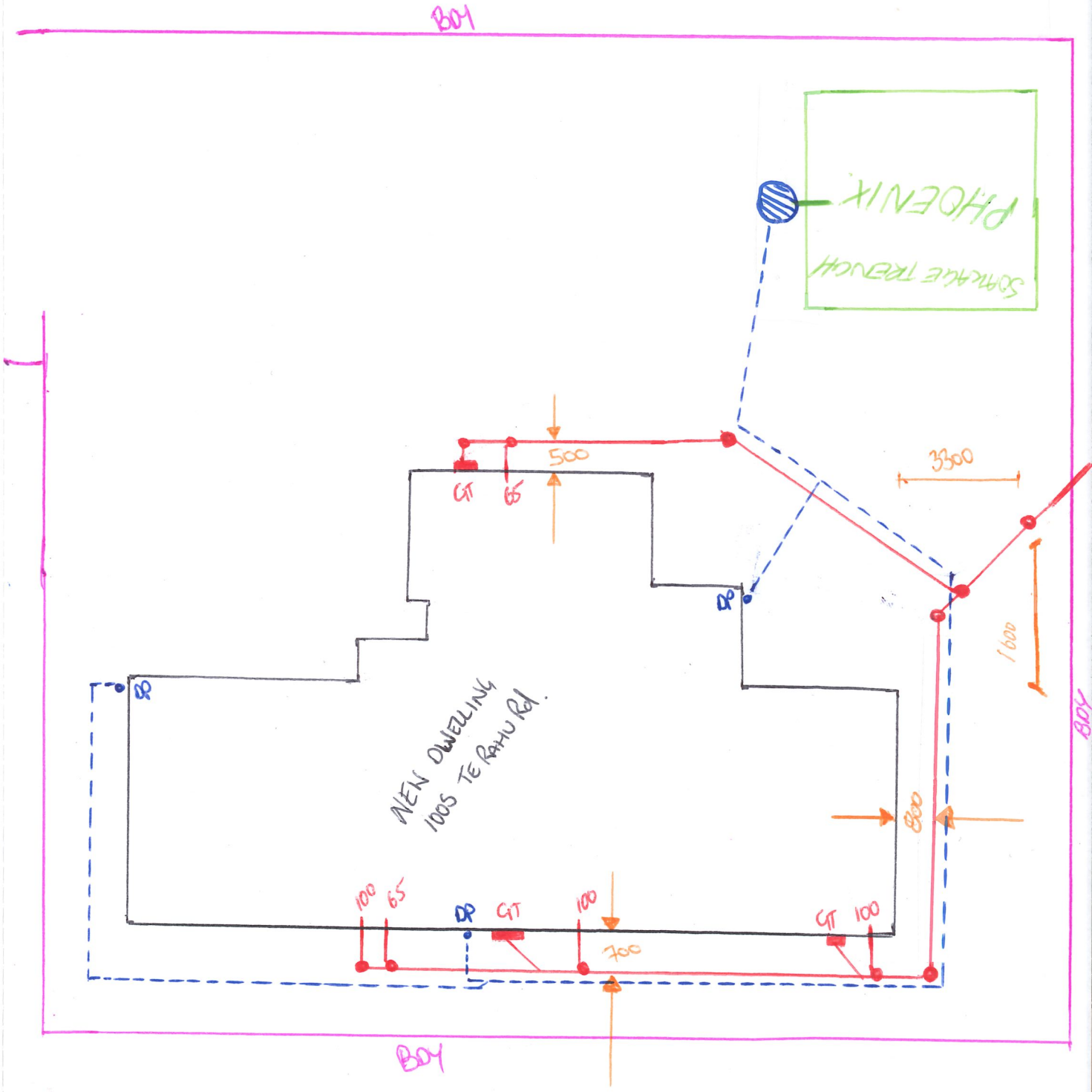
Owner: PETER GILL

Address: 1005 TE RAHI ROAD, TE AWAMUTU

Drain Layer Name: HAMISH MCKENZIE *[Please print clearly]* Signature:

Registration Number: 21413 Business Name: DRAINAGE SYSTEMS

To Council: *[Tick]* ☐ Hauraki ☐ Matamata-Piako ☐ Waitomo ☐ Otorohanga ☐ Thames-Coromandel ☑ Waipa ☐ Waikato ☐ Hamilton



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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: 1005 Te Rahu Road	
Suburb: Te Awamutu	
Town/City: Waikato	Postcode:

THE PROJECT
Building consent number:

THE OWNER(S)	
Name(s): Latitude Homes - Gill Residence (W670)	
Mailing address: P.O. Box 21188	
Suburb: Rototuna	PO Box/Private Bag:
Town/City: Hamilton	Postcode: 3256
Phone number: 07 855 3584	Email address: matt@latitudehomes.co.nz

Document Set ID: 10446788
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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 ✓	If necessary, describe the restricted building work.	Tick ✓ whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Foundations and subfloor framing ☐	N/A	◯ Carried out ◯ Supervised
Walls ☐	N/A	◯ Carried out ◯ Supervised
Roof ☐	N/A	◯ Carried out ◯ Supervised
Columns and beams ☐	N/A	◯ Carried out ◯ Supervised
Bracing ☐	N/A	◯ Carried out ◯ Supervised
Other ☐	N/A	◯ Carried out ◯ Supervised

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EXTERNAL MOISTURE MANAGEMENT SYSTEMS		
Work that is restricted building work	**Description of restricted building work**	**Carried out or supervised**
Tick ✓	If necessary, describe the restricted building work.	Tick ✓ whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Damp proofing ☐	N/A	◯ Carried out ◯ Supervised
Roof cladding or roof cladding system ☑	MC770 Colorsteel 0.40 Endura fitted to battens with 215 self supporting paper underneath. Fitted ridges and valleys. Excluded Penetration. 20 degree roof pitch.	✓ Carried out ◯ Supervised
Ventilation system (for example, subfloor or cavity) ☐	N/A	◯ Carried out ◯ Supervised
Wall cladding or wall cladding system ☐	N/A	◯ Carried out ◯ Supervised
Waterproofing ☐	N/A	◯ Carried out ◯ Supervised
Other ☐	N/A	◯ Carried out ◯ Supervised

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

ISSUED BY

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

Name: Leon Greg Cowley	LBP number: BP100729
Class(es) licensed in:	
R2, R3	
Plumbers, Gasfitters and Drainlayers registration number (if applicable):	
Mailing address (if different from below): P.O. Box 10113, Te Rapa 3241	
Street address/Registered office: 9 Earthmover Cres	
Suburb: Burbush	Town/City: Hamilton
PO Box/Private Bag	Postcode: 3288
Phone number: (07) 8493807	Mobile:
After hours: 0508493807	Fax: (07) 8496889
Email address: admin.hamilton@metalcraftroofing.co.nz	Website:

DECLARATION

I Leon Gregory Cowley carried out or supervised the restricted building work recorded on this form.

Signature: LG Cowley

Date: 12/6/2020

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

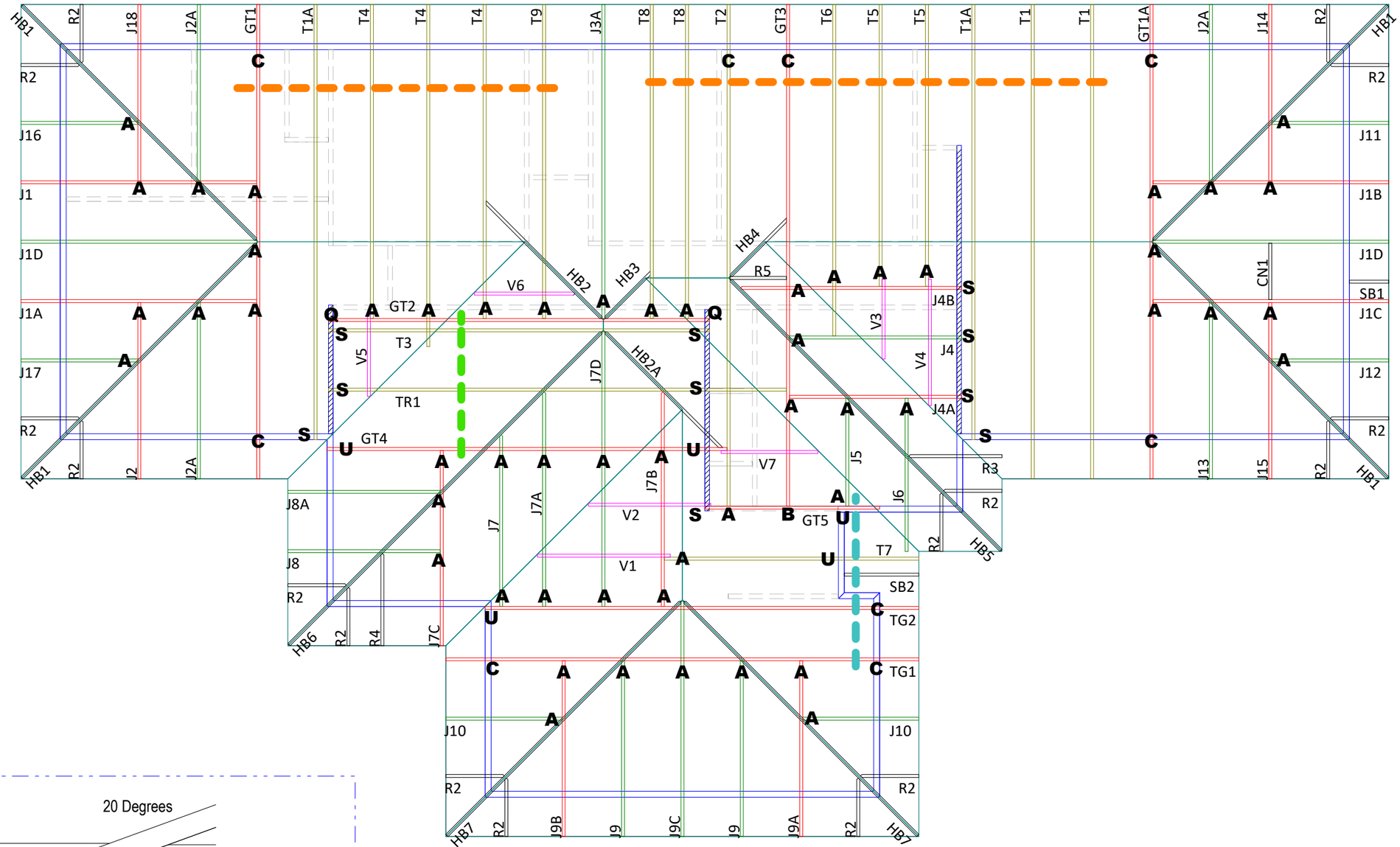
AS BUILT FINAL LAYOUT

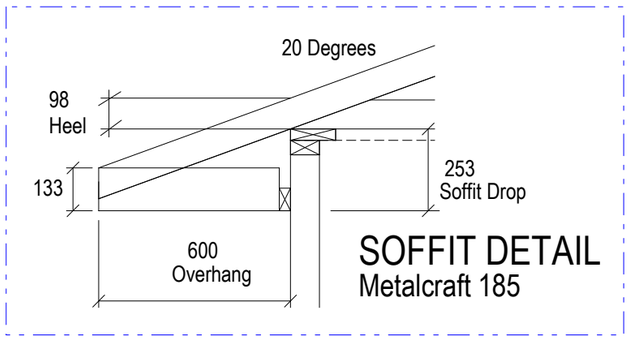
For valley/saddle truss fixing unless stated otherwise use a pair of wire dogs at 900mm centres for up to and including a very high wind zone.
Or a pair of CT200's at 900mm centres for extra high wind zone.
This fixing is to meet the minimum requirements as per NZS3604.

CARTERS Your Building Partner

Internal Load Bearing Wall

Beams





PLEASE NOTE: The trusses on this job have been designed based on direct fixed ceiling battens restraining truss bottom chords, not metal ceiling battens on clips.
All gable trusses are designed to suit cladding manufacturer's framing requirements.
If a gable truss requires a windbeam brace, the type of MiTek brace will be noted as such on the layout.

Coloured Lines Indicate Left Hand Side of Truss

Please contact your local CARTERS Manufacturing Branch, for any queries regarding this layout, or if any on site remedial work is required.
No modifications to Roof Trusses or Wall Frames are to be undertaken without first obtaining written authority from CARTERS.

CARTERS
Carters Manufacturing Cambridge
(07) 8237312

JOB No **308551M1**

Client: Homeworks Hamilton Ltd
Job: W670
Site: 1005 Te Rahu Road
Te Awamutu
Te Awamutu

Pitch: 20.0deg
Roof Type: Longrun
Overhang: 600mm
Wind Area: High
Roof Snow: 0.000kPa
Ceiling Restraint Centres:600mm

Trusses and rafters at 900mm max centres unless stated otherwise. This layout is to be read in conjunction with the Architectural plans.

DRAWN Teuira Mackey | 13 Feb,2020

FIXINGS

A = 47x90 Joist Hanger
B = 47x120 Joist Hanger
C = CT200 (pair)
D = 47x190 Joist Hanger
E = 95x165 Joist Hanger
F = SH-140 Split Hanger
G = SH-180 Split Hanger
H = SH-220 Split Hanger
J = 2x6kN Strap (12kN Total)
K = 6kN Strap
L = Multigrip (single)
M = Multigrips (pair)
N = Nailon Plate (240x110x1)
P = 16kN Pack
Q = 9kN Pack
S = CPC 40 Single Cleat
T = CPC 40 Short (pair)
U = CPC 80 Single Cleat
V = 16kN Uplift
W= 24kN Uplift
X = 25kN Uplift
Y = 35kN Uplift
Z = 45kN Uplift

Unless otherwise indicated, all specified truss fixings are to use L/Lok product nail fasteners (as per the MiTek On-site Guide) when the choice of using screws or nails is optional.

All truss to frame fixings require 2 additional 2/90x3.15dia skew nails.

All truss fixings not indicated as above must have 2 wire dogs for cross joints and 2/90x3.15dia nails for butt joins.

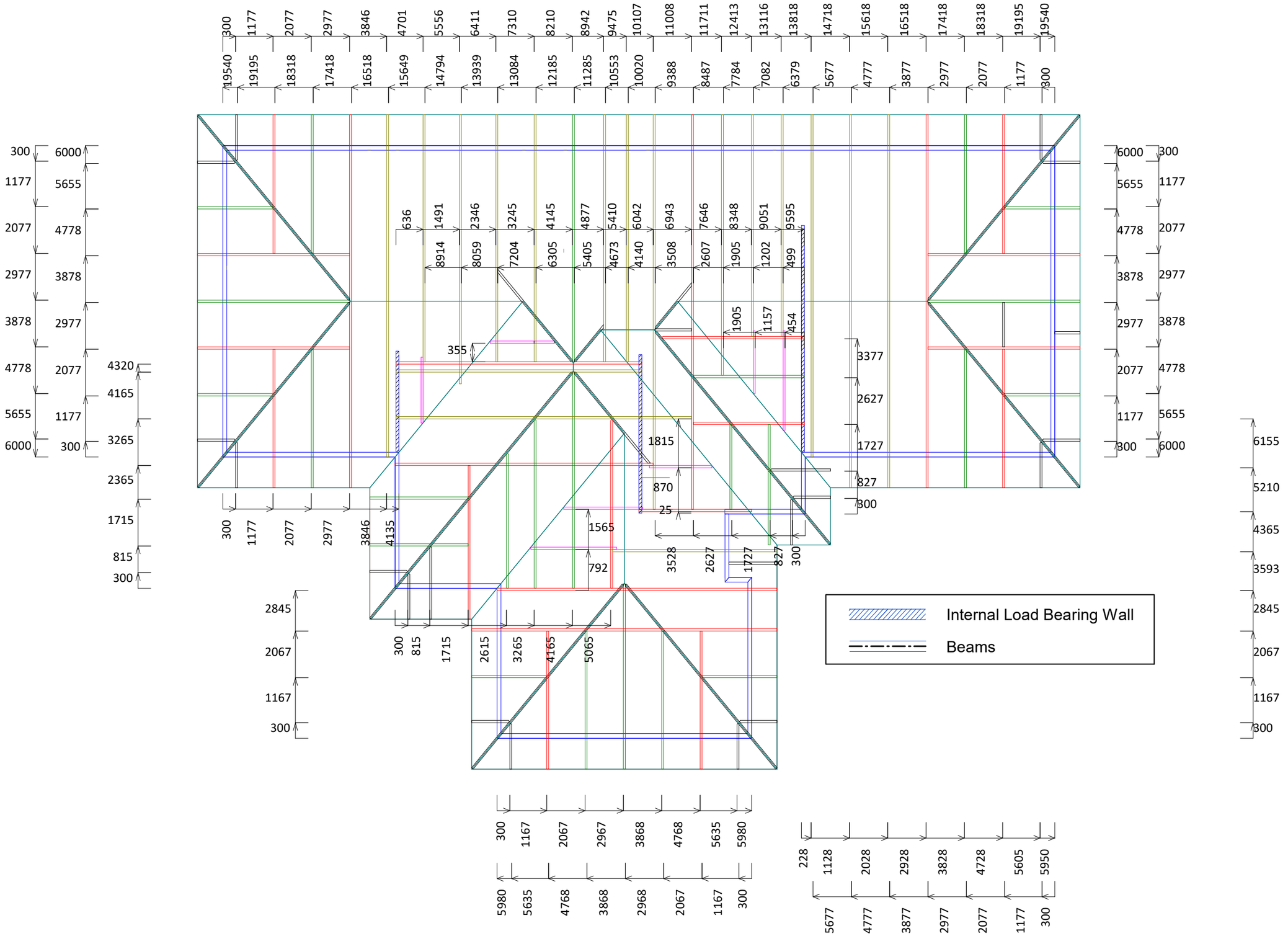
Fixings shown are for fixing trusses to the top plate. Any other point load uplift fixings down through the framing stud to top plate, stud to bottom plate, bottom plate to floor remain the responsibility of the architect / draughtsman.

Truss Layout

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

AS BUILT
FINAL LAYOUT

CARTERS Your Building Partner



CARTERS
Carters Manufacturing Cambridge
(07) 8237312

JOB No **308551M1**

Client: Homeworks Hamilton Ltd
Job: W670
Site: 1005 Te Rahu Road
Te Awamutu
Te Awamutu

Pitch: 20.0deg
Roof Type: Longrun
Overhang: 600mm
Wind Area: High
Roof Snow: 0.000kPa
Ceiling Restraint Centres:600mm

Trusses and rafters at900mm max centres unless stated otherwise. This layout is to be read in conjunction with the Architectural plans.

DRAWN Teuira Mackey | 13 Feb,2020

Dn kN Up kN Ultimate Limit State Loads

Notification of point loaded lintels or point loads on internal walls where the downward load is higher than 8kN (85mm raft type slab) or 10kN (100mm standard slab), or the upward load is greater than 10kN.

No allowance for any loading within the truss space has been allowed for including storage unless specifical stated.

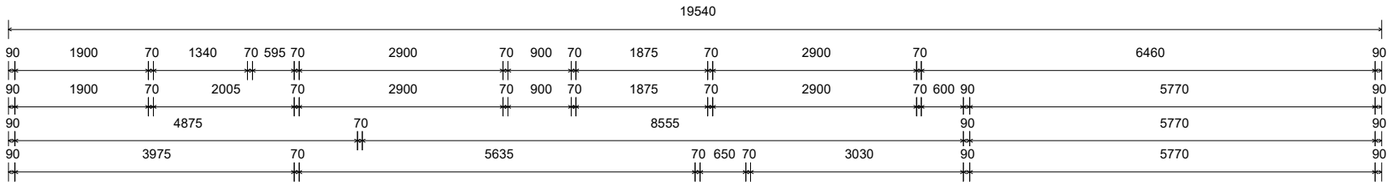
Any roof loads as stated on this layout over 16kN up or down are outside the scope of NZS3604, and the architect / draughtsperson is responsible for the design to transfer the loads to the ground.

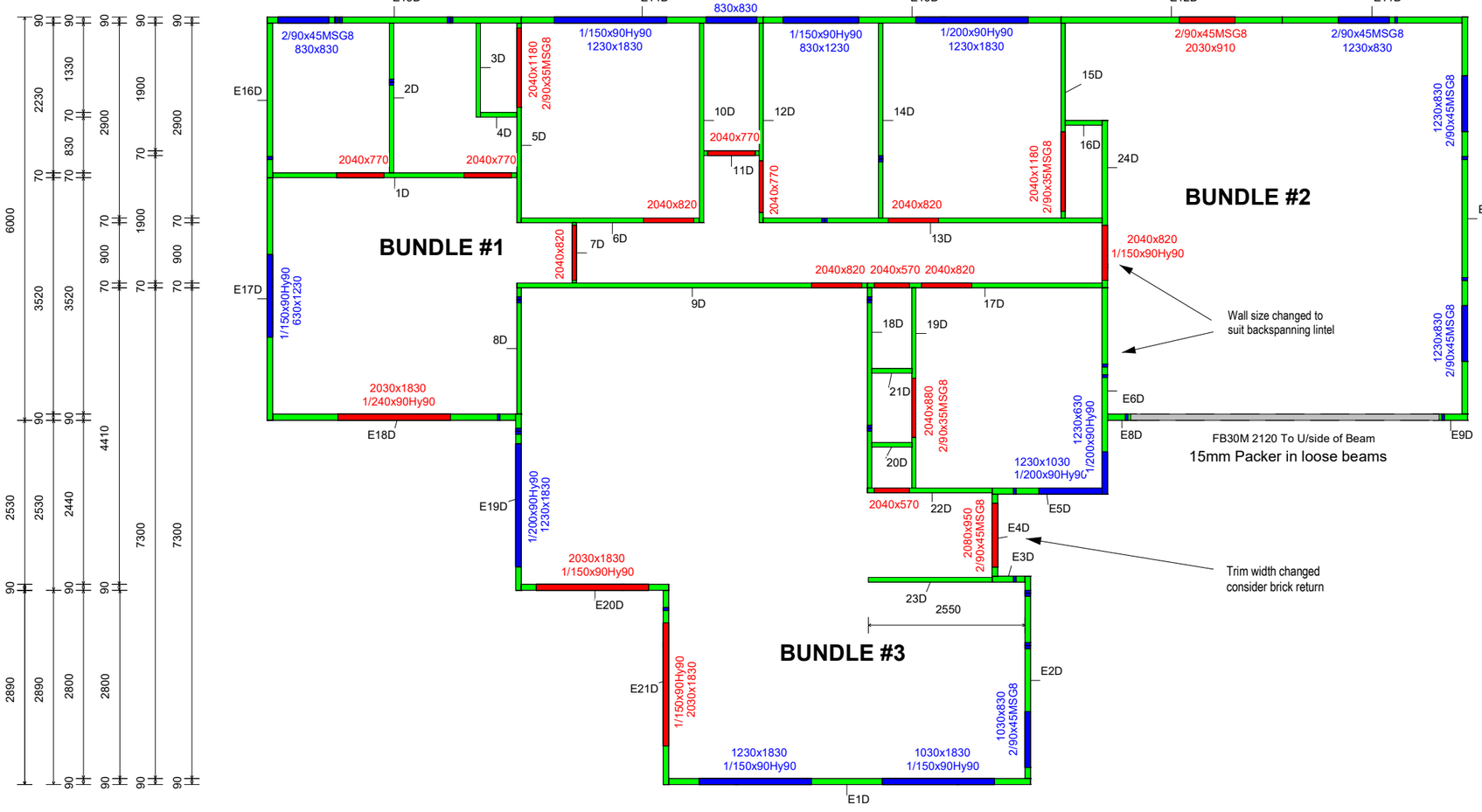
Truss Dimensions

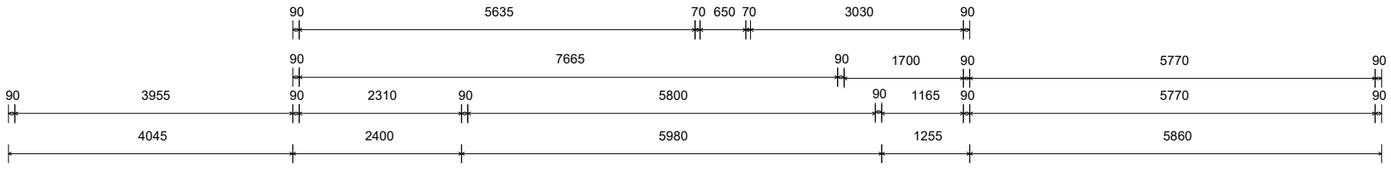
Please contact your local CARTERS Manufacturing Branch, for any queries regarding this layout, or if any on site remedial work is required. No modifications to Roof Trusses or Wall Frames are to be undertaken without first obtaining written authority from CARTERS.

AS BUILT
FINAL LAYOUT

CARTERS — Your Building Partner







CARTERS
Carters Manufacturing Cambridge
(07) 8237312

JOB No **308551M1**

Client: Homeworks Hamilton Ltd
Job: W670
Site: 1005 Te Rahu Road
Te Awamutu
Te Awamutu

Wind Area: High
Roof Snow: 0.000kPa
Ext Stud Spacing: 600
Int Stud Spacing: 600
Nog Spacing: 800
Frame Height: 2425 + 140x35 ETP

DRAWN Teuira Mackey | 13 Feb,2020

The lintels have been sized using one of the following:

hy90, hyONE and hySPAN lintels have been sized using the designIT for houses - New Zealand series 6 software.

GANGLAM and FLITCH BEAMS have been sized using the MiTek Beam Program V1.10 June 2011.

Unless otherwise stated the timber grade for all lintels is SG8. Lintels not shown are to be selected as per NZS3604: 2011.

Please contact your local CARTERS Manufacturing Branch, for any queries regarding this layout, or if any on site remedial work is required.

No modifications to Roof Trusses or Wall Frames are to be undertaken without first obtaining written authority from CARTERS.

Level 1 Frames

MiTek New Zealand Limited

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.miteknz.co.nz

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

ISSUED BY: **MiTek New Zealand Limited**

TO: **CARTERS**

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 **308551M1** 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® timber 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

I 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: Thursday, 13 February 2020**



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

Job: 308551M1 Client: Homeworks Hamilton Ltd Site: W670
Phone: 1005 Te Rahu Road
Description: Te Awamutu
Building Consent No.: Te Awamutu Phone:

MITEK FABRICATOR DESIGN STATEMENT

This statement is issued by MiTek accredited fabricator **CARTERS**, 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.

MiTek 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 current and relevant to the project for the design of the MiTek ® trusses.

Job Details Importance Level : 2 Design Working Life : 50 years

Roof Truss

Timber Group:	MSG8 DDP H1.2	Pitch:	20.000 deg	Nominal Overhang:	600 mm
Roof		**Ceiling**		**Wind**	
Material:	Longrun	Material:	Gib 13mm/Rondo Screwed	Area:	High (44.0 m/s)
Dead Load:	0.210 kPa	Dead Load:	0.200 kPa	Pressure Coeff:	Cpe = varies; Cpi = -0.30, 0.20
Restraints:	900 mm centres	Restraints:	600 mm centres		
Live Load:	Qur = 0.250 kPa Qc = 1.100 kN	Live Load:	Qc = 1.400 kN		

The 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 NZS3604:2011 Section 4 - Durability.

MiTek® Truss List

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

Truss	Qty	Span (mm)	Pitch (deg)	Spacing (mm)	Truss	Qty	Span (mm)	Pitch (deg)	Spacing (mm)	Truss	Qty	Span (mm)	Pitch (deg)	Spacing (mm)
GT1A	1	6000	20.000	900	J17	1	1177	20.000	900	V1	1	2012	20.000	900
T1	2	6000	20.000	900	J7D	1	2365	20.000	900	V4	1	1911	20.000	900
GT3	1	7010	20.000	900	J7B	1	2365	20.000	900	V2	1	1855	20.000	900
T1A	2	6000	20.000	900	J7A	1	2365	20.000	900	V7	1	1468	20.000	900
T2	1	7010	20.000	900	J7	1	2365	20.000	900	V3	1	1208	20.000	900
GT1	1	6000	20.000	900	J7C	1	2365	20.000	900	V5	1	1269	20.000	900
T5	2	3678	20.000	703	J8A	1	1715	20.000	900	V6	1	1030	20.000	900
T6	1	3660	20.000	703	J8	1	1715	20.000	900	*CN1	30	854	0.000	900
T8	2	4165	20.000	633	J9C	1	2067	20.000	900	*HB1	4	5030	14.433	900
T4	3	4165	20.000	900	J9	2	2067	20.000	900	*HB2	1	2503	14.433	900
T9	1	4165	20.000	900	J9B	1	2067	20.000	900	*HB2A	1	2504	14.433	900
GT2	1	5775	20.000	900	J9A	1	2067	20.000	900	*HB3	1	995	14.433	900
T3	1	5775	20.000	900	J10	2	1167	20.000	900	*HB4	1	1232	14.433	900
TR1	1	6041	20.000	900	J3A	1	4165	20.000	900	*HB5	1	5808	14.433	900
GT4	1	6061	20.000	900	J4A	1	2607	20.000	900	*HB6	1	6709	14.433	900
TG1	1	5980	20.000	900	J4	1	2607	20.000	900	*HB7	2	5016	14.433	900
TG2	1	5980	20.000	900	J4B	1	2607	20.000	900	*R1	1	491	20.000	900
T7	1	3265	20.000	747	J5	1	1637	20.000	900	*R2	16	886	20.000	900
GT5	1	2650	20.000	900	J6	1	1727	20.000	900	*R3	1	1413	20.000	900
J1D	2	2977	20.000	900	J1B	1	2977	20.000	900	*R4	1	1401	20.000	900
J1A	1	2977	20.000	900	J1C	1	2977	20.000	900	*R5	1	856	20.000	900
J1	1	2977	20.000	900	J15	1	2077	20.000	900	*SB1	80	555	0.000	900
J2	1	2077	20.000	900	J14	1	2077	20.000	900	*SB2	3	1085	0.000	900
J2A	3	2077	20.000	900	J13	1	2077	20.000	900					
J18	1	2077	20.000	900	J12	1	1177	20.000	900					
J16	1	1177	20.000	900	J11	1	1177	20.000	900					

Total quantity : 215

The computer design input has been carried out by:

MiTek 20/20 Software Operator: Teuira Mackey

MiTek Candidate Number and Qualifications:

Accredited Fabricator:

CARTERS
Your Building Partner

Thursday, 13 February 2020

Manufacturing Statement

This statement,supplied to the Carters customer listed below, has been provided to assist a Building Consent Authority in determining compliance with the NZ Building Code and is issued subject to Carters Standard Terms and Conditions of Sale. (available at www.carters.co.nz)

18-February-2020

HOMEWORKS HAMILTON LIMITED
1005 TE RAHU ROAD, TE AWAMUTU
HM1308551M1 **(Mitek Job Ref: 308551M1)**

Roof Trusses

Roof trusses supplied by Carters to the above project have been manufactured as per any Producer Statement Design issued by MiTek for consent purposes on the above project using verified timber grades that meet the requirements of NZS3603 and NZS3622. Any laminated veneer lumber that has been supplied as part of a roof truss meets the requirements of AS/NZS4357 and NZS3603. Carters is a licensed MiTek fabricator.

Pre Nailed Wall Frames

Pre-nailed Wall frames supplied by Carters to the above project have been manufactured using verified timber grades, where required, that meet the requirements of NZS3603 and NZS3622. Any Laminated veneer lumber lintels that have been supplied as part of a pre-nailed wall frame meet the requirements of AS/NZS4357 and NZS3603.

MiTek Flitch Beams

MiTek Flitch Beams supplied by Carters for the above project have been manufactured in accordance to the plans, MiTek fabrication details and/or engineering details supplied.
Flitch steel is sourced from MiTek NZ as per MiTek fabricator requirements
Any timbers used for structural purposes are verified grades that meet the requirements of NZS3603 and NZS3622.

Floor Systems

Floor Systems supplied by Carters for the above project have been manufactured in accordance to the plans and/or engineering details supplied.
Any timbers used for structural purposes are verified grades that meet the requirements of NZS3603 and NZS3622.

Timber Treatment

All treated timber and engineered wood products used in any items manufactured by Carters in the above project, are not less than the minimum levels specified in the plans, specifications and information supplied by the customer.

NZ Standards

NZ Standards listed in this statement are cited as acceptable solutions in the approved documents NZBC B1/AS1 Structure or B2/AS1 Durability as a means of complying with the NZ Building Code.



Aaron Quinn

MANUFACTURING MANAGER
CAMBRIDGE

Carters, a division of Carter Holt Harvey.

CarterHoltHarvey
Woodproducts New Zealand

173 Captain Springs Road
Onehunga
Private Bag 92-106
Auckland 1006
New Zealand
Telephone
64 9 636 7016
Facsimile
64 9 633 1527

www.chhwoodproducts.co.nz

1st August 2016

To whom it may concern,

Re: Substitution of H3.1 treated Laminated Veneer Lumber (LVL) with H1.2 glueline and surface sprayed treated LVL

H1.2 glueline treated and surface sprayed LVL (H1.2 LVL) and H3.1 Azole LOSP treated LVL (H3.1 LVL) are considered equal by the New Zealand Building Code (NZBC) when specified to be treated to the requirements of Acceptable Solution B2/AS1 3.2 Timber and wood-based building products. B2/AS1 Clause 3.2.2 Modifications to NZS 3602 specifically notes "Laminated veneer lumber (LVL) treated using LOSP borne azoles as specified for H3.1 in NZS 3640 Table 6.2 satisfies the minimum treatment requirement of H1.2".

Treatment of Wood-based components and the New Zealand Building Code (NZBC)

NZBC Clause B2 Durability cites NZS 3602, Timber and Wood based Products for Use in Building, NZS 3604, Timber Framed Buildings, and NZS 3640, Chemical preservation of round and sawn timber, as Standards (with modifications to B2/AS1) that form part of Acceptable Solution, B2/AS1, 3.2 Timber and wood-based building products.

Whilst NZS 3602 makes no mention of treated LVL, NZS 3604:2011, Clause 2.3.9.4 notes "The preservative treatment for engineered wood products shall comply with NZS 3602 provided however that where the engineered wood products are not already specified, the level of treatment shall be the same as that required for kiln-dried Radiata pine structural grades to comply with NZS 3602". NZS 3602, as modified by Acceptable Solution B2/AS1, requires H1.2 treatment for nearly all radiata pine enclosed timber framing, excluding cantilevered deck members and associated framing.

H1.2 LVL treatment requirements

H1.2 treatment is required in most cases detailed in the modified NZS 3602 Table 1 Section D, "Members protected from the weather but with a risk of moisture penetration conducive to decay", where LVL treatment is not specifically noted.

This comprises of enclosed external framing situations including roof members such as skillion and flat-roof framing, as well as wall framing members including lintels, studs, and boundary joists. It should be noted that "Cantilevered enclosed deck joists and associated framing including joist trimmers, nogs and blocking" are required to be treated to H3.2 in accordance with B2/AS1. CHH Woodproducts do not recommend that LVL is treated to H3.2 level, where treatment levels are specified as an alternate solution, any substitution should be confirmed with the specifier.

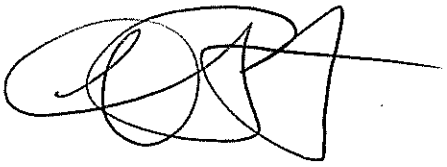
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Conclusion

For weather-protected applications covered by NZS 3602 Section D, "Members protected from the weather but with a risk of moisture penetration conducive to decay" where H1.2 treatment is specified, LVL can be either H1.2 glueline treated with a surface spray (in accordance with NZS 3640) or H3.1 Azole LOSP treated to Table 6.2 of NZS 3640. Both treatments meet the requirements intended by H1.2 of the New Zealand Building Code Clause B2/AS 1 and NZS 3604 and are therefore interchangeable.

If you have any further queries please contact our technical team on 0800 808 131.

Regards,



Cameron Rodger | Technical Director

Carter Holt Harvey Woodproducts NZ
Level 1, 173 Captain Springs Rd, Onehunga, Auckland
T +64 9 6331565 | M +64 27 6074125
E Cameron.Rodger@chhwoodproducts.co.nz
W chhwoodproducts.co.nz

Laserframe® specified for Residential Applications through NZS 3604 or Specific Design

Product Technical Statement

Product Description	Laserframe structural timber is manufactured by Carter Holt Harvey Woodproducts (CHHWP) that can be used for residential and commercial building framing. Laserframe is a range of sawn timber available in SG8 and SG10 in a variety of sizes and lengths, both H1.2 Boron treated and H3.2 CCA treated. Grades and properties from NZS 3603 Timber Structures (NZS 3603) have been confirmed from testing conducted by CSIRO, The University of Auckland, Scion (Forest Research) and internally by CHHWP as applicable to Laserframe.
Scope of Use	Laserframe, as specified in NZS 3604 Timber Framed Buildings (NZS 3604), and designIT® for houses software, is suitable for use as structural members in the framing of houses and similar buildings within the scope of NZS 3604. Laserframe may also be used as a structural framing member for specifically designed building components in accordance with NZS 3603 when designed by a Chartered Professional Engineer. To ensure the durability of Laserframe used in residential applications, the requirements of NZS 3602 Timber and Wood-Based Products for Use in Building (NZS 3602) as modified by Clause B2 (Durability) of the New Zealand Building Code (NZBC) must be satisfied.
Limitations / Disclaimer	Laserframe members may not be used in situations where they may be in direct contact with the ground. Please refer to the current Laserframe literature for information, limitations, and cautions regarding the storage, handling, installation, usage, and maintenance of Laserframe.
Compliance with the New Zealand Building Code	Laserframe will, if specified and employed in accordance with the prescribed span, loading and installation requirements, assist in meeting the following provisions of the NZBC: ***Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.3 (a, b, c, g, h, q), B1.3.4(d)*** The design properties of Laserframe are stress graded to Australian/ New Zealand Standard 1748: Timber Mechanically Stress Graded for Structural Purposes with properties determined using Australian / New Zealand Standard 4063: Characterisation of structural timber and verified to New Zealand Standard 3622: Verification of timber properties for use with NZS 3603 and NZS 3604. Structural design used in designIT for houses software is in accordance with NZS 3603 (verification method B1/VM1, 6.1). Serviceability and other criteria were selected using guidelines available from joint Australian / New Zealand standards technical committees and correspond to those used in NZS 3604 (Acceptable Solution B1/AS1, 4.1).

Information contained in this document is specific to Laserframe® SG8 and SG10 timber and must not be used with any other timber products no matter how similar they may appear. For further information contact Customer Services on 0800 746 399 or www.chhwoodproducts.co.nz

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Laserframe® specified for Residential Applications through NZS 3604 or Specific Design

Product Technical Statement

	Clause B2 Durability: Performance B2.3.1 when used and treated to the requirements of NZS 3602 as modified by B2/AS1 Laserframe is available treated to levels that meet the requirements of Clause B2 (Durability) of the NZBC. As such, if the product is treated and used in accordance with the required treatment levels prescribed in NZS 3602, as modified by B2/AS1 Clause 3.2.2, it will form part of an Acceptable Solution and comply with the requirements of the NZBC. ***Clause C Fire Performance: C1 – C6*** Laserframe members may be used as part of a fire resistant solution when used in accordance with GIB® Fire Rated Systems that provide passive fire protection, in accordance with the requirements of NZBC Clauses C1 - C6 – Protection from Fire. Refer "GIB Fire Rated Systems Specification and Installation Manual". ***Clause E2 External Moisture: E2.3.4*** Laserframe may be provided treated to the requirements of NZS 3602 when sub floor ventilation and ground cover requirements comply with NZS 3604, Clause 6.14 Prevention of dampness ***Clause F2 Hazardous Building Materials: F2.3.1*** Laserframe meets this requirement and will not present a health hazard to people. ***Clause G6 Airborne and Impact Sound: G6.3.1, G6.3.2*** Laserframe can be used as a part of framing solutions for walls and floors (Acceptable Solution G6/AS1).
Quality Assurance	CHHWP has strict quality assurance processes in place to monitor that Laserframe adequately satisfies structural and visual requirements. Bureau Veritas has been contracted to undertake independent, third party auditing of the Machine Stress Grading processes at our structural mill sites. Independent audit inspections are carried out bi-annually and include: • Audit of the Machine Stress Grading process and procedures • Assessing the competence of personnel in relation to skills and knowledge requirements • Verification of the calibration of testing equipment

Information contained in this document is specific to Laserframe® SG8 and SG10 timber and must not be used with any other timber products no matter how similar they may appear. For further information contact Customer Services on 0800 746 399 or www.chhwoodproducts.co.nz

Document Set ID: 10446788
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Laserframe® specified for Residential Applications through NZS 3604 or Specific Design

Product Technical Statement

Sustainability	Laserframe is sawn from plantation pine grown in New Zealand. It is grown on tree farms which are tended and harvested to provide wood for Laserframe and other applications. The crop is managed on a sustainable basis to yield millable trees. New Zealand plantations are managed in compliance with the New Zealand Forest Accord, a voluntary agreement signed in 1991 between New Zealand forest managers and environmental nongovernment organisations. Laserframe is manufactured at our Nelson, Kawerau and Whangarei Sawmills. Laserframe is available Forestry Stewardship Council (FSC) certified upon request.
Installation Requirements	Laserframe is to be installed in accordance with the specifications and installation details described in NZS 3604 or as detailed by the Chartered Professional Engineer, and good building practice.
Service Life	Laserframe will continue to satisfy the relevant performance requirements of the NZBC for 50 years provided that all of the requirements set out in this Product Technical Statement and the current Laserframe Product Guide are satisfied, and Laserframe is installed in accordance with the specifications and installation details described in NZS 3604.
Maintenance Requirements	Laserframe members will not normally require maintenance.
Product Support	CHHWP provides extensive product support for our full range of wood based building products. By visiting www.chhwoodproducts.co.nz you can access all the latest information regarding our products including Product Guides, Specification and Installation Guides, Technical Notes, Information Bulletins, CAD Drawings, Design Software and other useful information. In addition to this CHHWP have a team of Engineers and Technical Experts available to assist with any product enquiries. You can contact the team by calling 0800 746 399 or by emailing woodproducts@chhwoodproducts.co.nz.
Legal Disclaimer	The information contained in this document is current as at June 2015 and is based on data available to CHHWP at the time of going to print. CHHWP reserves the right to change the information contained in this document without prior notice. It is your responsibility to ensure that you have the most up to date information available. You can call toll free on 0800 326 759 or visit www.chhwoodproducts.co.nz to obtain current information. CHHWP has used all reasonable endeavours to ensure the accuracy and reliability of the information contained in this document. However, to the maximum extent permitted by law, CHHWP assumes no responsibility or liability for any inaccuracies, omissions or errors in this information nor for any actions taken in reliance on this information.

Information contained in this document is specific to Laserframe® SG8 and SG10 timber and must not be used with any other timber products no matter how similar they may appear. For further information contact Customer Services on 0800 746 399 or www.chhwoodproducts.co.nz

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Futurebuild® LVL Products specified for Residential Applications through Software and Literature

Product Technical Statement

Product Description	The Futurebuild Laminated Veneer Lumber (LVL) range consists of a range of LVL based products including composite plywood and LVL beams. The Futurebuild LVL range of products features unique, specific material property 'recipes' which have been designed to suit common residential lintel, beam, joist, rafter, and other structural members. For Futurebuild LVL members subject to specific design via the "Futurebuild LVL Specific Design Guide", please refer to the separate Product Technical Statement entitled "Futurebuild® LVL Products: General/Specific Design Use". For Product Technical Statement for Futurebuild hyPLANK®, edgeFORM® and truFORM® and commercial floors please refer to their individual PTS.
Scope of Use	Futurebuild LVL members specified in Literature and Software are suitable for use as structural members in the framing of houses and similar buildings within the scope of NZS 3604 Timber Framed Buildings (NZS 3604). This Product Technical Statement covers Futurebuild LVL members detailed and specified in: • "Futurebuild LVL Residential Design Guide"; • "hyJOIST Design and Installation Guide:2.1"; • designIT® for houses software, (Literature and Software). To ensure the durability of Futurebuild LVL used in residential applications, the requirements of NZS 3602 Timber and Wood-Based Products for use in Building (NZS 3602) and NZS 3604 where appropriate in accordance with Clause B2 (Durability) of the New Zealand Building Code (NZBC) must be satisfied.
Limitations / Disclaimer	Futurebuild LVL members covered by this Product Technical Statement may not be used in: • Weather exposed applications. • Buildings outside the scope of NZS 3604. Please refer to the current Futurebuild LVL literature for information, limitations, and cautions regarding the storage, handling, installation, usage, and maintenance of Futurebuild LVL.
Compliance with the New Zealand Building Code	Futurebuild LVL will, if specified and employed in accordance with the prescribed span, loading and installation requirements, assist in meeting the following provisions of the NZBC. ***Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.3 (a, b, c, g, h, q), B1.3.4(d),*** The design properties of Futurebuild LVL were determined in accordance with Clause 2.3 of NZS 3603 Timber Structures Standard (NZS 3603). Futurebuild LVL is product certified by the Engineered Wood Products Association of Australasia (EWPAA) as being manufactured in

Information contained in this document is specific to Futurebuild® Laminated Veneer Lumber (LVL) and must not be used with any other LVL products no matter how similar they may appear. For further information contact Customer Services on 0800 808 131 or www.chhwoodproducts.co.nz

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Futurebuild® LVL Products specified for Residential Applications through Software and Literature

Product Technical Statement

accordance with the joint New Zealand / Australian Standard AS /NZS 4357: Structural Laminated Veneer Lumber (AS/NZS 4357). The EWPAA is accredited for product certification by the Joint Accreditation System of Australia and New Zealand (JAS-ANZ).
Structural design is in accordance with NZS 3603 (verification method B1/VM1, 6.1). Serviceability and other criteria were selected using guidelines available from joint Australian / New Zealand standards technical committees and correspond to those used in NZS 3604, (Acceptable Solution B1 / AS1, 4.1).

Clause B2 Durability: Performance B2.3.1(a) when used and treated to the requirements of NZS 3602 and NZS 3604

Futurebuild LVL is manufactured to meet the requirements of Clause B2 (Durability) of the NZBC. As such, if the product is used in accordance with Carter Holt Harvey Woodproducts (CHHWP) specifications and good building practices, and treated to the required treatment levels prescribed in NZS 3602 and NZS 3604 it will form part of an Acceptable Solution and comply with the requirements of the NZBC (Acceptable Solution B2/AS1, 3.2.1).

Clause C Fire Performance: C1 – C6

Futurebuild LVL members may be used as part of a fire resistant solution when used in accordance with GIB® Fire Rated Systems that provide passive fire protection in accordance with the requirements of NZBC Clauses C1 - C6 – Protection from Fire. Refer “GIB Fire rated systems Specification and Installation Manual”.

Clause E2 External Moisture: E2.3.4

Futurebuild LVL may be provided treated to the requirements of NZS 3602 when sub floor ventilation and ground cover requirements comply with NZS 3604, Clause 6.14 Prevention of Dampness.

Clause F2 Hazardous Building Materials: F2.3.1

Futurebuild LVL meets this requirement and will not present a health hazard to people.

Clause G6 Airborne and Impact Sound G6.3.1, G6.3.2

Solid Futurebuild LVL can be used as a part of framing solutions for walls and floors (Acceptable Solution G6/AS1.

Information contained in this document is specific to Futurebuild® Laminated Veneer Lumber (LVL) and must not be used with any other LVL products no matter how similar they may appear. For further information contact Customer Services on 0800 808 131 or www.chhwoodproducts.co.nz

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Futurebuild® LVL Products specified for Residential Applications through Software and Literature

Product Technical Statement

Quality Assurance	CHHWP has strict quality assurance processes in place to monitor that Futurebuild LVL is manufactured in a manner that meets both the structural and visual requirements of the specific product. Futurebuild LVL is independently third party audited by the EWPAA. The EWPAA certifies Futurebuild LVL manufactured by CHHWP at its Marsden Point mill. Participation and compliance with the requirements of the EWPAA's process based quality control scheme includes product testing and monitoring of properties. It provides the basis for the EWPAA's Product Certification of Futurebuild LVL as conforming to the requirements of AS/NZS 4357. Conformance with AS/NZS 4357 ensures that Futurebuild LVL is suitable for structural applications in accordance with NZS 3603 and NZS 3604. The EWPAA's product certification scheme is accredited under JAS-ANZ.
Sustainability	Futurebuild LVL is manufactured from plantation pine grown in New Zealand. It is grown on tree farms which are tended and harvested to provide wood for LVL manufacture and other applications. The crop is managed on a sustainable basis to yield millable trees. New Zealand plantations are managed in compliance with the New Zealand Forest Accord, a voluntary agreement signed in 1991 between New Zealand forest managers and environmental non-government organisations. Futurebuild LVL is manufactured in New Zealand, at the CHHWP Marsden Point Laminated Veneer Mill. Futurebuild LVL is available Forestry Stewardship Council (FSC) (SCS-COC-001316) certified upon request.
Installation Requirements	Futurebuild LVL members must be installed in accordance with the specifications and installation details provided in Literature and Software, together with traditionally recognised framing practice as described in NZS 3604, and good building practice. The specifications and details are available on the CHHWP website (www.chhwoodproducts.co.nz) or contact the CHHWP team by calling 0800 808 131 for information.
Service Life	Futurebuild will continue to satisfy the relevant performance requirements of the NZBC for 50 years provided that all of the requirements set out in this Product Technical Statement and the current Literature and Software are satisfied.
Maintenance Requirements	Futurebuild LVL components will not normally require maintenance. However, in circumstances where coatings have been applied, maintain in accordance with the coating manufacturer's requirements.

Information contained in this document is specific to Futurebuild® Laminated Veneer Lumber (LVL) and must not be used with any other LVL products no matter how similar they may appear. For further information contact Customer Services on 0800 808 131 or www.chhwoodproducts.co.nz

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Futurebuild® LVL Products specified for Residential Applications through Software and Literature

Product Technical Statement

Product Support	CHHWP provides extensive product support for our full range of wood based building products. By visiting www.chhwoodproducts.co.nz you can access all the latest information regarding our products including Product Guides, Specification and Installation Guides, Technical Notes, Information Bulletins, CAD Drawings, Design Software and other useful information. In addition to this CHHWP have a team of Engineers and Technical Experts available to assist with any product enquiries. You can contact the team by calling 0800 808 131 or by emailing woodproducts@chhwoodproducts.co.nz.
Legal Disclaimer	The information contained in this document is current as at June 2015 and is based on data available to CHHWP at the time of going to print. CHHWP reserves the right to change the information contained in this document without prior notice. It is your responsibility to ensure that you have the most up to date information available. You can call toll free on 0800 808 131 or visit www.chhwoodproducts.co.nz to obtain current information. CHHWP has used all reasonable endeavours to ensure the accuracy and reliability of the information contained in this document. However, to the maximum extent permitted by law, CHHWP assumes no responsibility or liability for any inaccuracies, omissions or errors in this information nor for any actions taken in reliance on this information.

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PREFERRED PINK® BATTS® INSTALLERS

Installation Guarantee

This is to certify

This home has been insulated by PinkFit®,
the preferred installers of Pink® Batts® insulation.

The PinkFit® Licensee guarantees that, at the time of installation, the insulation was installed in accordance with New Zealand Standard Energy Efficiency - Installing Insulation in Residential Buildings NZS 4246:2016.

Proper installation is essential for insulation to meet the durability requirements of NZBC B2.3.1(a) of not less than 50 years.

This guarantee is transferable to subsequent owners of the home.

Please keep this document in a safe place.

Signature: Nick Botica Date: 23/06/2020

PinkFit® Licensee Trading As: Pinkfit® Waikato

PinkFit® Licensee Company Name: Botica Insulation Services Ltd

Registration Details

Compliance Number:	M100083810	Date Printed:	23/06/2020
Builder Details:	Latitude Homes	Install Date:	09/06/2020
Site Details:	1005 Te Pahu Road Te Pahu	Completion:	23/06/2020
		Building Consent No.:	BC191291 - WAIPA DC

Product Details:

Ceiling insulation	Pink® Batts® Classic R3.2 Ceiling thickness 170mm
Wall insulation	Pink® Batts® Classic R2.2 Wall thickness 90mm

PinkFit® is a network of independent installers licensed by Tasman Insulation New Zealand Limited. PinkFit®, Pink® and the colour PINK are registered trade marks of Owens Corning used under license by Tasman Insulation. Batts® is the registered trade mark of Tasman Insulation New Zealand Limited.

pink® batts®

0800 746 534
pinkfit.co.nz
July 2019 1071

Phoenix
Consulting Engineers Ltd

22 MATOS SEGEDIN DRIVE, CAMBRIDGE
TEL. 07 5603555

CONSTRUCTION REVIEW PRODUCER STATEMENT PS4 FOR CONSTRUCTION INSPECTION

OF THE RAFT FLOOR

FOR THE PROPOSED NEW DWELLING AT 1005 TE RAHU ROAD, TE AWAMUTU

28 FEBRUARY 2020
PCE REFERENCE: 191177.01

Responsibility	Name Position / Qualifications	Signature
Reviewed by	Milan Jasarevic CPEng. No. 1011128	

Building Code Clause(s) B1

PRODUCER STATEMENT – PS4 – CONSTRUCTION REVIEW

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

ISSUED BY: Phoenix Consulting Engineers Ltd
(Construction Review Firm)

TO: Latitude Homes
(Owner/Developer)

TO BE SUPPLIED TO: Waipa District Council
(Building Consent Authority)

IN RESPECT OF: Raft Floor Inspection
(Description of Building Work)

AT: 1005 Te Rahu Road
(Address)

Town/City: Te Awamutu **LOT** 1 **DP** 524071 **SO**
(Address)

We Phoenix Consulting Engineers Ltd have been engaged by Latitude Homes
(Construction Review Firm)

To provide ☐ CM1 ☐ CM2 ■ CM3 ☐ CM4 ☐ CM5 (Engineering Categories) or ☐ observation as per agreement with owner/developer Latitude Homes

or ☐ other N/A services
(Extent of Engagement)

in respect of clause(s) B1 of the Building Code for the building work described in documents relating to Building Consent No. 191291 and those relating to Building Consent Amendment(s) Nos. 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. (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/VM1, B1/VM4 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, Milan Jasarevic am: ■ CPEng 1011128 # ☐ Reg Arch #
(Name of Construction Review Professional)

I am a member of: ■ Engineering New Zealand ☐ NZIA and hold the following qualifications BE(Hons), 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 Milan Jasarevic (Signature)
(Name of Construction Review Professional)

ON BEHALF OF Phoenix Consulting Engineers Ltd Date 13/07/2020
(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

Document Set ID: 10446788
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CONSTRUCTION REVIEW

We can confirm visiting the above property above on 28 February 2020 for the purpose of inspecting the Raft Floor. The inspection was carried out by Richard Hemming, the contractor CEC Ltd was informed that the inspection had ***passed***. This inspection covers the associated works listed below;

1. Raft floor inspection prior to concrete placement, confirming;
    a. That the slab depth and pods are in accordance with the building consent documents viewed on site.
    b. That the reinforcing steel has been placed in accordance with the building consent documents viewed on site.
    c. That the polythene/DPM has been placed in accordance with the building consent documents viewed on site.

Note:

- *This statement applies to the members specified and no other part of the structure.*
- *If any problems arise during the construction of these members, we should be consulted.*
- *This report has been prepared solely for the benefit of our client with respect to the brief. The reliance by other parties on the information or opinions contained in the report shall, without our prior review and agreement in writing, be at such parties' sole risk.*

SITE PHOTOS





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: 1005 Te Rahu Road	
Suburb:	
Town/City: Te Awamutu	Postcode:

THE PROJECT

Building consent number: 191291

THE OWNER(S)

Name(s): Latitude Homes Waikato	
Mailing address: PO Box 21188	
Suburb: Rototuna	PO Box/Private Bag: 21188
Town/City: Hamilton	Postcode: 3249
Phone number: 07 855 3584	Email address: darrin@latitudehomes.co.nz

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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 ✓	If necessary, describe the restricted building work.	Tick ✓ whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Foundations and subfloor framing ☑	Raft/Floor slab inspections including reinforcing, 500E mesh, polythene are in accordance with approved documents viewed on site.	○ Carried out ☑ Supervised
Walls ☐	N/A	○ Carried out ○ Supervised
Roof ☐	N/A	○ Carried out ○ Supervised
Columns and beams ☐	N/A	○ Carried out ○ Supervised
Bracing ☐	N/A	○ Carried out ○ Supervised
Other ☐	N/A	○ Carried out ○ Supervised

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EXTERNAL MOISTURE MANAGEMENT SYSTEMS		
Work that is restricted building work	**Description of restricted building work**	**Carried out or supervised**
Tick ✓	If necessary, describe the restricted building work.	Tick ✓ whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Damp proofing ☐	N/A	◯ Carried out ◯ Supervised
Roof cladding or roof cladding system ☐	N/A	◯ Carried out ◯ Supervised
Ventilation system (for example, subfloor or cavity) ☐	N/A	◯ Carried out ◯ Supervised
Wall cladding or wall cladding system ☐	N/A	◯ Carried out ◯ Supervised
Waterproofing ☐	N/A	◯ Carried out ◯ Supervised
Other ☐	N/A	◯ Carried out ◯ Supervised

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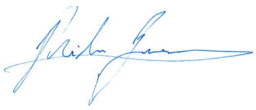
ISSUED BY

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

Name: Milan Jasarevic	LBP number: 1011128
Class(es) licensed in:	
Chartered Engineer	
Plumbers, Gasfitters and Drainlayers registration number (if applicable):	
Mailing address (if different from below):	
Street address/Registered office: 22 Matos Segedin Drive	
Suburb: Leamington	Town/City: Cambridge
PO Box/Private Bag	Postcode: 3495
Phone number: 07 560 3555	Mobile: 021 614 827
After hours:	Fax:
Email address: info@pce.net.nz	Website:

DECLARATION

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

Signature: 

Date: 13 July 2020

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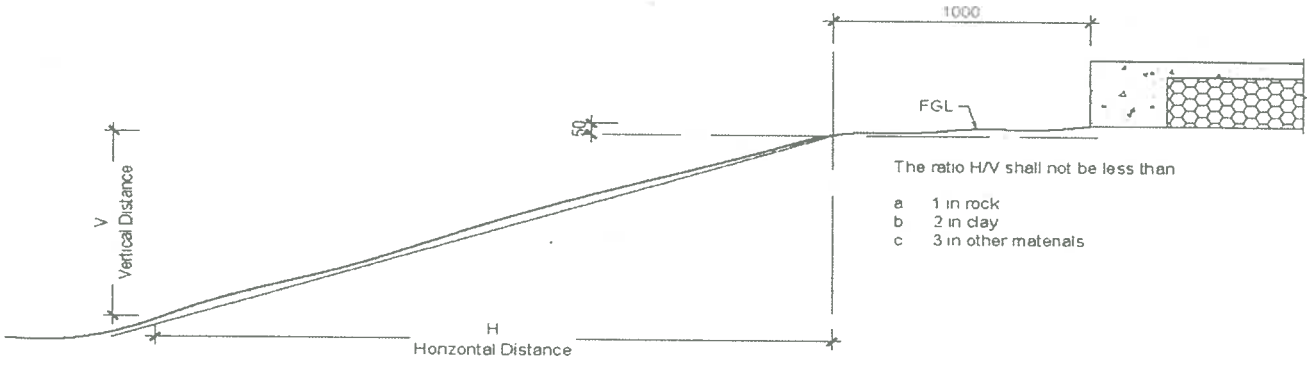
PCE JOB REF:

Pre-pour Inspection Check List for Raft Floor	BC# 191291	Pass	Fail
Address 1005 Te Ruku Road, Te Awamutu		Inspection Date 28/2/20	
Client Lakeside Homes			
Contractor CEC Ltd			

	Confirmed	
Good ground confirmed as per NZS3604, clause 3.1.3. / Sandpad has PS4	Yes ✓	No
Proximity to sloping ground is above the dashed line as per figure 1.	Yes ~~No~~	No
Shear piles (where required) in place and reinforcement protruding.	Yes ~~No~~	No
Formation area extends at least 1m beyond building footprint.	Yes ✓	No

		Confirmed	
Damp proof membrane in place.		Yes ✓	No
Perimeter foundation	Width 300mm, localise widening around services.	Yes ✓	No
	Reinforcement 2 x HD12 bottom, 1 x HD12 top.	Yes ✓	No
	Correct spacer used at 1.2m maximum centres.	Yes ✓	No
Internal Ribs	Width 100mm.	Yes ✓	No
	Reinforcement 1 x HD12.	Yes ✓	No
	Correct spacer used, max spacing of one per pod or part pod.	Yes ✓	No
Load Bearing ribs	Width 300mm. / 400mm	Yes ✓	No
	Reinforcement 2 x HD12 bottom. / 3 HD 12 top & Bottom	Yes ✓	No
	Correct spacer used, max spacing of one per pod or part pod.	Yes ✓	No
Pods	Raft pod.	Yes ✓	No
Mesh	40mm chairs, 1.2m max centres, min two per pod or one per part pod.	Yes ✓	No
	Mesh in place and 665 or equivalent as specified.	Yes ✓	No
	Mesh laps minimum of 225mm, or as specified.	Yes ✓	No
Reinforcement	2 x HD12 bars 1.2m long provided at re-entrant corners.	Yes ✓	No
	Laps for 12mm reinforcement minimum of 720mm.	Yes ✓	No
Slab	Cover to pods minimum of 85mm or 110mm if infloor heating used.	Yes ✓	No
Service penetrations (refer Firth manual or design documents)	No reinforcement (with exception of mesh) cut to allow passage of service pipes. Refer clause 6.3 of Section 1 for exceptions.	Yes ✓	No
	Diameter of opening for services 50mm greater that service pipe. Refer clause 6.3 of Section 1 for exceptions.	Yes ✓	No
	Diameter/size of penetrations as per Table 7, Section 1 of this manual.	Yes ✓	No

Figure 1 *Relationship of Raft to Sloping Ground Surface*



Notes:

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FORM OF PRODUCER STATEMENT PS3 – CONSTRUCTION

At project completion, this form shall be completed by the building contractor and supplied to the Engineer.

ISSUED BY: Hadleigh Thomas
(Building Contractor)

TO: Latitude Homes
(Owner/Principal)

IN RESPECT OF: Foundation
(Description of Contract Works)

AT: 1005 Te Raku Rd, Te Awamutu
(Address)

T/A: ..... **BUILDING CONSENT No:** 191291
(Territorial Authority / Building Consent Authority)

The above Building Contractor has contracted to the above Owner/Principal to carry out and complete certain building works in accordance with the contract, titled

Foundation ("the contract")
(Title of building contract)

I Alan Jones a duly authorised representative of the
(Builder's Authorised Agent)

above building contractor, believe on reasonable grounds that the above building contractor has carried out and completed

☑All ☐Part only as specified in the attached particulars

of the building works in accordance with the contract.

.....
(Signature of Authorised Agent on behalf of the Building Contractor)

9/07/2020
(Date)

30 Matos Segedin
Cambridge
(Address)

This producer statement is confirmation by the builder(s) that they have carried out the building work in accordance with the drawings, specifications (and site amendments) that are part of the contract / building consent documents.

Work covered by this statement should have been supervised and checked by suitably qualified trades-persons.

The Engineer requires this producer statement and a copy of the T/A's building consent conditions, to confirm that items of the contract that he has not personally examined, have in fact been built according to the documents, so that the Engineer may issue appropriate documents to the T/A for it to release the Code Compliance Certificate.

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Phoenix
Consulting Engineers Ltd

22 MATOS SEGEDIN DRIVE, CAMBRIDGE
TEL. 07 5603555

CONSTRUCTION REVIEW PRODUCER STATEMENT PS4 FOR CONSTRUCTION INSPECTION

OF THE BUILDING PLATFORM

FOR THE PROPOSED NEW DWELLING AT 1005 TE RAHU ROAD, TE AWAMUTU

20 FEBRUARY 2020
PCE REFERENCE: 171091.03

Responsibility	**Name** **Position / Qualifications**	**Signature**
Prepared by	Amanda Longshaw	pp 
Reviewed by	Robin Dawson CPEng. No. 149142	

Building Code Clause(s) B1/VM1/VM4

PRODUCER STATEMENT – PS4 – CONSTRUCTION REVIEW

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

ISSUED BY: Phoenix Consulting Engineers Ltd
(Construction Review Firm)

TO: Latitude Homes
(Owner/Developer)

TO BE SUPPLIED TO: Waipa District Council
(Building Consent Authority)

IN RESPECT OF: Building platform inspection and compaction testing
(Description of Building Work)

AT: 1007 Te Rahu Road
(Address)

Town/City: Te Awamutu **LOT** 1 **DP** S 6355 **SO**
(Address)

We Phoenix Consulting Engineers Ltd have been engaged by Latitude Homes
(Construction Review Firm)

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

or ☒ other Engineering inspection services
(Extent of Engagement)

in respect of clause(s) B1/VM1/VM4 of the Building Code for the building work described in documents relating to Building Consent No. 191291 and those relating to Building Consent Amendment(s) Nos. ..... 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. ..... (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/VM1/VM4 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, Robin Dawson of GWE Consulting Ltd am: ☒ CPEng 149142 # ☐ Reg Arch ..... #
(Name of Construction Review Professional)

I am a member of: ☒ Engineering New Zealand ☐ NZIA and hold the following qualifications BE (Hons)
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 Robin Dawson of GWE Consulting Ltd (Signature)
(Name of Construction Review Professional)

ON BEHALF OF Phoenix Consulting Engineers Ltd Date 26/02/2020
(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

Document Set ID: 10446788
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CONSTRUCTION REVIEW

We can confirm visiting the above property above on 19/02/2020 for the purpose of inspecting the subgrade. The inspection was carried out by Amanda Longshaw; the contractor T&C Earthworks was informed that the inspection was ***passed***. This inspection covers the associated works listed below;

1. Subgrade for proposed building platform confirming;
    a. That all topsoil and unsuitable soils have been removed from the building platform area.
    b. The subgrade has been tested at the time of excavation to a depth of 1 metre confirming the subgrade is satisfactory for the proposed building platform.
    c. Extents of the building platform in relation to building footprint location have not been confirmed as part of this PS4, but testing of the subgrade has been completed based on a minimum of 500mm of building platform outside the line of the proposed foundations.
    d. Underlying soil conditions are covered by the soils assessment carried out by Phoenix Consulting Engineers Limited, but are not included with this PS4.
    e. The subgrade excavations have been carried in accordance with recommendations made in the soils assessment of the site.
    f. Depth measurements of the excavation have been undertaken at approximately the four corners of the excavation, and the excavated depth below existing ground level was 300mm. Some deeper and some shallower areas were noted throughout the excavation.

We can confirm visiting the above property above on 20/02/2020 for the purpose of inspecting the building platform. The inspection was carried out by Amanda Longshaw; the contractor T&C Earthworks was informed that the inspection was ***passed***. This inspection covers the associated works listed below;

1. Building platform inspection and compaction testing, confirming;
    a. The building platform has been compacted to a minimum 300kPa ultimate bearing pressure.
    b. Extents of the building platform in relation to building footprint location have not been confirmed as part of this PS4, but testing of the building platform has been completed based on a minimum of 500mm of building platform outside the line of the proposed foundations.

Note:

- *This statement applies to the members specified and no other part of the structure.*
- *If any problems arise during the construction of these members, we should be consulted.*
- *This report has been prepared solely for the benefit of our client with respect to the brief. The reliance by other parties on the information or opinions contained in the report shall, without our prior review and agreement in writing, be at such parties' sole risk.*

SITE PHOTOS



Photo of Subgrade inspection



Photo of Building Platform inspection

Phoenix Consulting Engineers Ltd

Inspection Type: (Digout) Building Platform

Client	Latitude Homes	PCE Ref	71091-02
Address	1007 Te Rahu Road, Te Awamutu	Lot No.	DP
Contractor	T&C Earthworks Contacted	Geo. Rec.:	
Shear Vane S / N:		Foundation Type:	raft

Retest: Yes (No)

Inspected by: Amanda Langshaw Date 19/02/20 Arrive : Depart : (Pass) Fail

	SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11	SP12
100	–	–	–	–								
200	2	2	3	2								
300	2	2	2	3								
400	2	2	3	2								
500	2	3	2	2								
600	3	3	2	2								
700	5	5	3	2								
800	5	2	3	2								
900	3	2	3	3								
1000												
DO / SP Depth	300	300	700	500								

	SV1	SV2	SV3	SV4	SV5	SV6	SV7	SV8	SV9	SV10	SV11	SV12
SV Depth												
Specify												

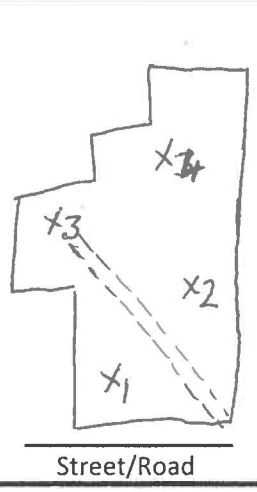
	SV1	SV2	SV3	SV4	SV5	SV6	SV7	SV8	SV9	SV10	SV11	SV12
SV Depth												
Specify												

Soil Type:

Notes

::: = extra excavation due to old SW pipe ~1m

Location Sketch



Procedure

Digout

1. Determine if dug out to correct depth
2. Identify any soft spots
3. Perform DCP tests; shear vanes for clay soils
4. Determine if pass or fail for the proposed foundation
5. Photo of overall digout
6. Photos of digout depth

Sandpad

1. Perform DCP tests through natural ground
2. Determine if correct thickness with hand auger if required
3. Determine if pass or fail for prop. foundation
4. Photo of overall sandpad
5. Contact contractor if failed and schedule a re-inspection (text contractor if passed)

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Phoenix Consulting Engineers Ltd

Inspection Type: Digout / Building Platform

Client	Latitude Homes	PCE Ref 171091.02	Retest: Yes / No
Address	1007 Te Rahu Road, Te Awamutu	Lot No.	DP
Contractor	T&C Earthworks (Contacted)	Geo. Rec.:	
Shear Vane S / N:		Foundation Type: Raft	
Inspected by: Taz Hayward, Amanda L	Date 20/02/20	Arrive :	Depart : Pass / Fail

	SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11	SP12
100	-	-	-	-								
200	5	6	6	5								
300	5	8	11	8								
400	3	10	7	5								
500	3	15	3	5								
600	3	Urp	3	3								
700	3		2	3								
800	5		2	2								
900	5		3	3								
1000												
DO / SP Depth	350	900	300	350								

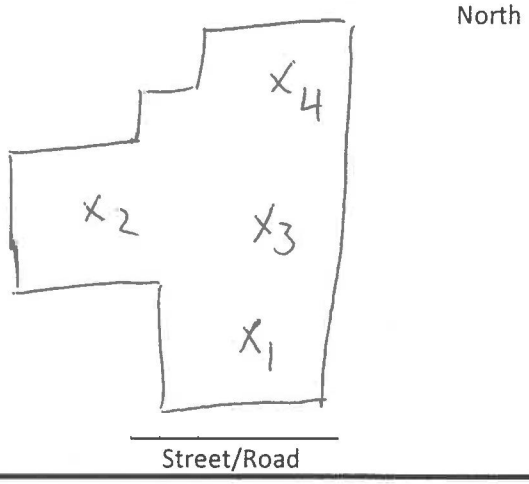
	SV1	SV2	SV3	SV4	SV5	SV6	SV7	SV8	SV9	SV10	SV11	SV12
SV Depth												
Specify												

	SV1	SV2	SV3	SV4	SV5	SV6	SV7	SV8	SV9	SV10	SV11	SV12
SV Depth												
Specify												

Soil Type:

Notes

Location Sketch



Procedure

Digout

1. Determine if dug out to correct depth
2. Identify any soft spots
3. Perform DCP tests; shear vanes for clay soils
4. Determine if pass or fail for the proposed foundation
5. Photo of overall digout
6. Photos of digout depth

Sandpad

1. Perform DCP tests through natural ground
2. Determine if correct thickness with hand auger if required
3. Determine if pass or fail for prop. foundation
4. Photo of overall sandpad
5. Contact contractor if failed and schedule a re-inspection (text contractor if passed)

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: 1007 Te Rahu Road	
Suburb:	
Town/City: Te Awamutu	Postcode:

THE PROJECT
Building consent number: 191291

THE OWNER(S)		
Name(s): Latitude Homes Waikato		
Mailing address: PO BOX		
Suburb: Rototuna	PO Box/Private Bag: 21188	
Town/City: Hamilton		Postcode: 3256
Phone number:	Email address:	

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

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 ✓	If necessary, describe the restricted building work.	Tick ✓ whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Foundations and subfloor framing ☑	Compacted sand pad testing with a minimum compaction of 300kPa ultimate bearing pressure.	◯ Carried out ✓ Supervised
Walls ☐	N/A	◯ Carried out ◯ Supervised
Roof ☐	N/A	◯ Carried out ◯ Supervised
Columns and beams ☐	N/A	◯ Carried out ◯ Supervised
Bracing ☐	N/A	◯ Carried out ◯ Supervised
Other ☐	N/A	◯ Carried out ◯ Supervised

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

EXTERNAL MOISTURE MANAGEMENT SYSTEMS		
Work that is restricted building work	**Description of restricted building work**	**Carried out or supervised**
Tick ✓	If necessary, describe the restricted building work.	Tick ✓ whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Damp proofing ☐	N/A	◯ Carried out ◯ Supervised
Roof cladding or roof cladding system ☐	N/A	◯ Carried out ◯ Supervised
Ventilation system (for example, subfloor or cavity) ☐	N/A	◯ Carried out ◯ Supervised
Wall cladding or wall cladding system ☐	N/A	◯ Carried out ◯ Supervised
Waterproofing ☐	N/A	◯ Carried out ◯ Supervised
Other ☐	N/A	◯ Carried out ◯ Supervised

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

ISSUED BY

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

Name: Robin Dawson	LBP number: 149142
Class(es) licensed in:	
Chartered Engineer	
Plumbers, Gasfitters and Drainlayers registration number (if applicable):	
Mailing address (if different from below):	
Street address/Registered office: 22 Matos Segedin Drive	
Suburb: Leamington	Town/City: Cambridge
PO Box/Private Bag	Postcode: 3495
Phone number: 07 560 3555	Mobile: 021 614 827
After hours:	Fax:
Email address: info@pce.net.nz	Website:

DECLARATION

I Robin Dawson reviewed others who carried out or supervised the restricted building work recorded on this form.

Signature: 

Date: 26/02/2020

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Form 6A

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: 1005 Te Rahu Rd	
Suburb:	
Town/City: Te Awamutu	Postcode: 3800

THE PROJECT
Building consent number: BC 191291

THE OWNER(S)	
Name(s): P Gill	
Mailing address:	
Suburb: Rotatuna	PO Box/Private Bag: PO Box 21188
Town/City: Hamilton	Postcode: 3256
Phone number: 07 855 3584	Email address: tania@latitudehomes.co.nz

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

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 ✓	If necessary, describe the restricted building work.	Tick ✓ whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Foundations and subfloor framing ☑	PROFILED & COMPLETED FORM WORK FOR THE ENGINEERED DESIGN RAFT FOUNDATION. COMPLETED ALL STEEL WORK TO WILTON JOUBERT SPECS, SIGNED OFF BY COUNCIL & ENGINEER.	☑ Carried out ☑ Supervised
Walls ☐	NOT APPLICABLE	○ Carried out ○ Supervised
Roof ☐	NOT APPLICABLE	○ Carried out ○ Supervised
Columns and beams ☐	NOT APPLICABLE	○ Carried out ○ Supervised
Bracing ☐	NOT APPLICABLE	○ Carried out ○ Supervised
Other ☐	NOT APPLICABLE	○ Carried out ○ Supervised

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

EXTERNAL MOISTURE MANAGEMENT SYSTEMS		
Work that is restricted building work	**Description of restricted building work**	**Carried out or supervised**
Tick ✓	If necessary, describe the restricted building work.	Tick ✓ whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Damp proofing ☑	LAID BLACK POLYTHENE UNDERNEATH PODS AND LAPPED 150MM, TAPED JOINS AND AROUND PIPES	☑ Carried out ☑ Supervised
Roof cladding or roof cladding system ☐	NOT APPLICABLE	○ Carried out ○ Supervised
Ventilation system (for example, subfloor or cavity) ☐	NOT APPLICABLE	○ Carried out ○ Supervised
Wall cladding or wall cladding system ☐	NOT APPLICABLE	○ Carried out ○ Supervised
Waterproofing ☐	NOT APPLICABLE	○ Carried out ○ Supervised
Other ☐	NOT APPLICABLE	○ Carried out ○ Supervised

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

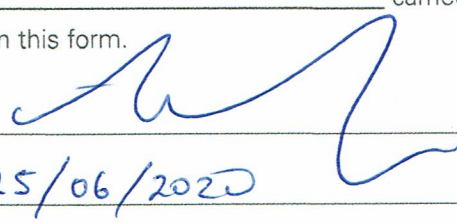
ISSUED BY

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

Name: Alan Jones	LBP number: 134425
Class(es) licensed in:	
CARPENTRY	
Plumbers, Gasfitters and Drainlayers registration number (if applicable):	
Mailing address (if different from below): 265 Lamb Street	
Street address/Registered office: 30 Matos Segedin Drive	
Suburb: Leamington	Town/City: Cambridge
PO Box/Private Bag	Postcode: 3432
Phone number:	Mobile: 021 495 654
After hours:	Fax:
Email address: alan@cecltd.co.nz	Website:

DECLARATION

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

Signature: 

Date: 25/06/2020

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

FORM OF PRODUCER STATEMENT PS3 – CONSTRUCTION

At project completion, this form shall be completed by the building contractor and supplied to the Engineer.

ISSUED BY: Hadleigh Thomas
(Building Contractor)

TO: Latitude Homes
(Owner/Principal)

IN RESPECT OF: Foundation
(Description of Contract Works)

AT: 1005 Te Raku Rd, Te Awamutu
(Address)

T/A: ..... **BUILDING CONSENT No:** 191291
(Territorial Authority / Building Consent Authority)

The above Building Contractor has contracted to the above Owner/Principal to carry out and complete certain building works in accordance with the contract, titled

Foundation ("the contract")
(Title of building contract)

I Alan Jones a duly authorised representative of the
(Builder's Authorised Agent)

above building contractor, believe on reasonable grounds that the above building contractor has carried out and completed

☑All ☐Part only as specified in the attached particulars

of the building works in accordance with the contract.

.....
(Signature of Authorised Agent on behalf of the Building Contractor)

9/07/2020
(Date)

30 Matos Segedin
Cambridge
(Address)

This producer statement is confirmation by the builder(s) that they have carried out the building work in accordance with the drawings, specifications (and site amendments) that are part of the contract / building consent documents.

Work covered by this statement should have been supervised and checked by suitably qualified trades-persons.

The Engineer requires this producer statement and a copy of the T/A's building consent conditions, to confirm that items of the contract that he has not personally examined, have in fact been built according to the documents, so that the Engineer may issue appropriate documents to the T/A for it to release the Code Compliance Certificate.

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DRAINAGE SYSTEMS LTD
residential, commercial & environmental drainage

11 - 3 – 2020

Latitude Homes Ltd
P.O Box 21188
Hamilton

P.S.3 Producer Statement Construction
Gill Residence - 1005 Te Rahi Road, Te Awamutu
Waipa District Council Consent No: 19-1291

The stormwater management system to the above contract was installed and constructed by Drainage Systems Ltd.
Construction was in accordance with the engineered design by Phoenix Engineers Ltd - Cambridge.

If you have any queries concerning the above, please contact me on 021 548 115.

Regards.



Ollie Silverton

p 07 850 4370
m 021 548 115
f 07 850 4373
a PO Box 27026, Hamilton 3257
e ollie@drainagesystems.co.nz
w www.drainagesystems.co.nz

Plumbing Pressure Test Memorandum

Issued by: *(Plumber)*	LUIS AGNEW	Registration Number:	16475

Company Name: MCGUIRE PLUMBING LTD

Company Address:
PO BOX 28002
ROTOTUNA
HAMILTON 3210

Company Contact Details: Ph: 022 657 8039 Mb: 021 346 852 Fx:

To:

- ☐ Hauraki District Council
- ☐ Otorohanga District Council
- ☐ Matamata Piako District Council
- ☐ Waikato District Council
- ☑ Waipa District Council
- ☐ Waitomo District Council
- ☐ Hamilton City Council

Building Consent Number: BC 191291

Building Owner: P M F GILL

Project Address:
1005 Te Rahu Road
TE AWAMUTU

Description of Building Work: Completion of a pressure test on the plumbing system

Scope of work covered by statement: We certify that the system was tested to 1500kpa for a period of 30 minutes. This test was conducted in accordance with manufacturer recommendations and complies with the pressure testing provisions of the New Zealand Building Code and Approved Solution G12 AS1 and AS/NZS3500.1.2 as appropriate.

☑ I understand that this Statement, if accepted, may be relied upon for the purpose of establishing compliance with the Building Code and Building Consent.

Signed by: *(Plumber)*  Date: 23/07/2020

The Waikato Building Consent Group Producer Statement Author register is held by the Building Unit Hamilton City Council, Private Bag 3010, Hamilton 3240, Ph (07) 838 6677. For information on the Waikato Building Consent Group visit www.buildwaikato.co.nz.

Electrical Workers Registration Board
SAFETY | COMPETENCY | COMPLIANCE

Electrical Certificate of Compliance and Electrical Safety Certificate

Reference/Certificate ID No: SM 300720

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 AND CONTACT

Location Details	1005 TE Rahu Rd	**Contact Address**	
Contact Name	Select Homes		**Postcode**
Name of Electrical worker:	Shane Musty	**Registration/Practising licence number:**	E268305
Organisation/ company:	G.L. Electrical Ltd PO Box 4439, Hamilton East, Hamilton 3247		
Phone:	078494831	**Email:**	office@glelectrical.net.nz
Name of person(s) supervised:	Mike, Ethan		

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)

Please see attached document

Wire & Complete New Home

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 design[1]
- ✓ 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 Conformity[1]
- ✓ Has been satisfactorily tested in accordance with the Electricity (Safety) Regulations 2010
- ✓ Is safe to connect

Test Results	
Polarity (independent earth):	✓
Insulation resistance:	✓
Earth Continuity:	✓
Bonding:	✓
Fault Loop impedance:	✓
Other (specify):	RCD

Electronic/Other reference:

Certifier's signature: Shane

Date: 30 / 7 / 2020

[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.

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.

MB14132 04/17

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Electrical Workers Registration Board

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

In support of ECOC and ESC ID number: SM 300720	
Location details: 1005 Te Raku Rd, Te Awamutu	

31	Lights
28	Power points
1/1	Oven /Hob
1	Water heater
2	Heated towel rail
4	Extraction fan
/	Effluent pump station
/	Water pump circuit
/	Sensor heads
/	230 volt smoke alarms
1	2 way switch
1	3 way switch
/	Circuit to junction
1	Main earthing system
1	Switch board
1	Mains (internal)
/	Mains - underground
/	400watt dimmer
/	Heat/Light/Fan

All TPS cables are not in contact with home RAB polystyrene, at time of pre wire. **Initial:** SS

Cable is cut and sized in a way that does not allow for excessive movement. **Initial:** SS

LICENSED BUILDING PRACTITIONERS

Form 6A Memorandum from Licensed Building Practitioner: Record of building work Section 88, Building Act 2004

THE BUILDING

Street address: 1005 Te Rahu Road

Suburb:

Town / City: Te Awamutu

Postcode: 3800

THE PROJECT

Building consent number: 191291

THE OWNER(S)

Name(s): Peter Mario Francis Gill

Mailing Address: PO Box 19185

Suburb:

PO Box / Private Bag:

Town / City: Hamilton

Postcode:

Phone Number: 0221884092

Email:

Work that is restricted building work	Description	Carried out/Supervised
PRIMARY STRUCTURE		
Walls	Stood, Braced and fixed down walls as per working drawings.	Carried out and supervised
Roof	Stood trusses, installed hardware, purlins and valleys as per working drawings	Supervised
Bracing	Stood trusses, installed hardware, purlins and valleys as per working drawings	Supervised
EXTERNAL MOISTURE MANAGEMENT SYSTEM		
Damp proofing	Mulseal to brick rebate.	Supervised
Wall cladding or wall cladding system	Installed headflashings and cladding above exterior windows and doors as per working drawings.	Carried out and supervised

ISSUED BY

Name: Samuel Crarer

LBP number: BP133753

Class(es) licensed in: Carpentry

Plumbers, gasfitters and drainlayers registration number (if applicable):

Mailing Address: 6 Kaipaki Road

Street Address: 6 Kaipaki Road, Ohaupo, 3881

Suburb:

Town/City: Ohaupo

PO Box/Private bag:	Postcode: 3881
Phone number: 078391333	Mobile: 0272284538
After hours:	Fax:

Email: Sam@cncbuilders.co.nz

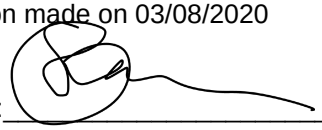
Website:

Register link: https://lbp.ewr.govt.nz/PublicRegister/View.aspx?lbpid=BP133753

DECLARATION

I, Samuel Crarer LBP carried out and supervised the restricted building work recorded on this form.

Declaration made on 03/08/2020

Signature: 

Form 6A

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.

Street address: 1005 Te Rahu Road	
Suburb: Te Awamutu	
Town/City: Te Awamutu	Postcode: 3800

Building consent number: BC 191291

Name(s): Peter Mario & Francis Gill	
Mailing address:	
Suburb:	PO Box/Private Bag: P.O Box 19184
Town/City: Hamilton	Postcode: 3244
Phone number: 0221884092	Email address: 2possie2@gmail.com

EXTERNAL MOISTURE MANAGEMENT SYSTEMS		
Work that is restricted building work	**Description of restricted building work**	**Carried out or supervised**
Tick ✓	If necessary, describe the restricted building work.	Tick ✓ whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
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 ☑	Brick Veneer	✓ Carried out ○ Supervised
Waterproofing ☐		○ Carried out ○ Supervised
Other ☐		○ Carried out ○ Supervised

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Name and contact details of the licensed building practitioner who is licensed to carry out or supervise restricted building work.	
Name: Marshall Bryant	LBP number: BP128144
Class(es) licensed in: B1	
Plumbers, Gasfitters and Drainlayers registration number (if applicable):	
Mailing address (if different from below):	
Street address/Registered office: 118 Seddon Road RD1 Puketaha	
Suburb: Puketaha	Town/City: Hamilton
PO Box/Private Bag	Postcode: 3281
Phone number: 0211576357	Mobile:
After hours:	Fax:
Email address: fortressbrick@gmail.com	Website:

DECLARATION

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

Signature: MBryant

Date: 03/08/2020

Phoenix
Consulting Engineers Ltd

22 MATOS SEGEDIN DRIVE, CAMBRIDGE
TEL. 07 5603555

CONSTRUCTION REVIEW PRODUCER STATEMENT
PS4 FOR CONSTRUCTION INSPECTION

OF THE RAFT FLOOR

FOR THE PROPOSED NEW DWELLING
AT 1005 TE RAHU ROAD, TE AWAMUTU

28 FEBRUARY 2020
PCE REFERENCE: 191177.01

Responsibility	Name Position / Qualifications	Signature
Reviewed by	Milan Jasarevic CPEng. No. 1011128	

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

engineering new zealand

New Zealand Institute of Architects Incorporated

ACENZ

Building Code Clause(s) B1

PRODUCER STATEMENT – PS4 – CONSTRUCTION REVIEW

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

ISSUED BY: Phoenix Consulting Engineers Ltd
(Construction Review Firm)

TO: Latitude Homes
(Owner/Developer)

TO BE SUPPLIED TO: Waipa District Council
(Building Consent Authority)

IN RESPECT OF: Raft Floor Inspection
(Description of Building Work)

AT: 1005 Te Rahu Road
(Address)

Town/City: Te Awamutu **LOT** 1 **DP** 524071 **SO**
(Address)

We Phoenix Consulting Engineers Ltd have been engaged by Latitude Homes
(Construction Review Firm)

To provide ☐ CM1 ☐ CM2 ■ CM3 ☐ CM4 ☐ CM5 (Engineering Categories) or ☐ observation as per agreement with

owner/developer Latitude Homes

or ☐ other N/A services
(Extent of Engagement)

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

documents relating to Building Consent No. 191291 and those relating to

Building Consent Amendment(s) Nos. ..... 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. ..... (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/VM1, B1/VM4 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, Milan Jasarevic am: ■ CPEng 1011128 # ☐ Reg Arch ..... #
(Name of Construction Review Professional)

I am a member of: ■ Engineering New Zealand ☐ NZIA and hold the following qualifications BE(Hons), 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 Milan Jasarevic (Signature)
(Name of Construction Review Professional)

ON BEHALF OF Phoenix Consulting Engineers Ltd Date 13/07/2020
(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

Document Set ID: 10446788
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CONSTRUCTION REVIEW

We can confirm visiting the above property above on 28 February 2020 for the purpose of inspecting the Raft Floor. The inspection was carried out by Richard Hemming, the contractor CEC Ltd was informed that the inspection had ***passed***. This inspection covers the associated works listed below;

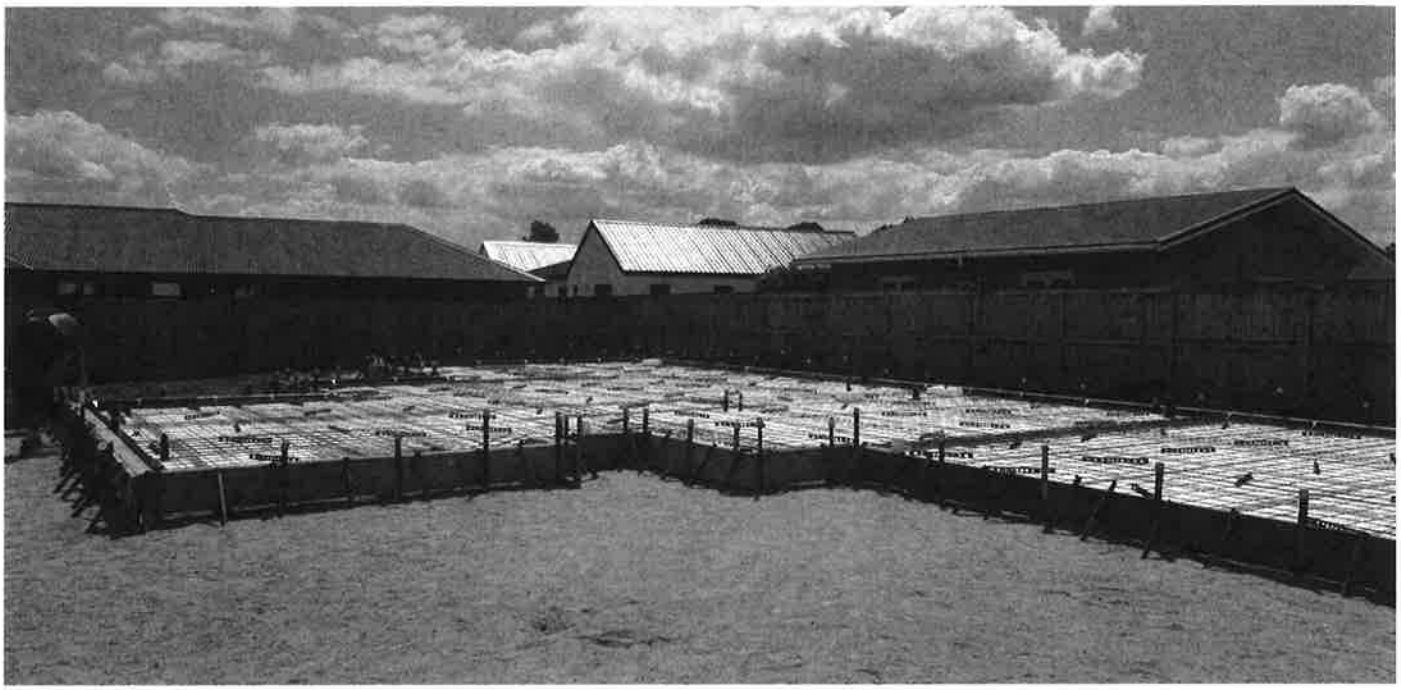
1. Raft floor inspection prior to concrete placement, confirming;
    a. That the slab depth and pods are in accordance with the building consent documents viewed on site.
    b. That the reinforcing steel has been placed in accordance with the building consent documents viewed on site.
    c. That the polythene/DPM has been placed in accordance with the building consent documents viewed on site.

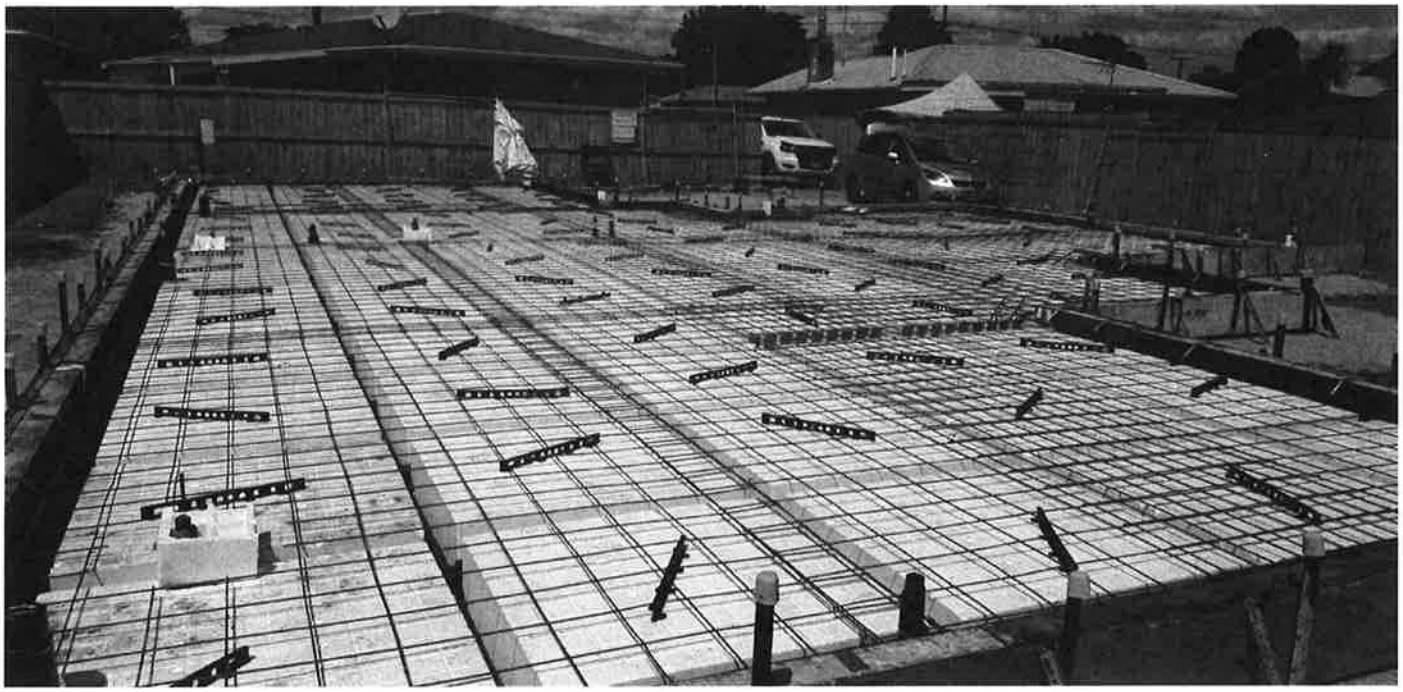
Note:

- *This statement applies to the members specified and no other part of the structure.*
- *If any problems arise during the construction of these members, we should be consulted.*
- *This report has been prepared solely for the benefit of our client with respect to the brief. The reliance by other parties on the information or opinions contained in the report shall, without our prior review and agreement in writing, be at such parties' sole risk.*

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SITE PHOTOS





Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

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: 1005 Te Rahu Road	
Suburb:	
Town/City: Te Awamutu	Postcode:

THE PROJECT
Building consent number: 191291

THE OWNER(S)	
Name(s): Latitude Homes Waikato	
Mailing address: PO Box 21188	
Suburb: Rototuna	PO Box/Private Bag: 21188
Town/City: Hamilton	Postcode: 3249
Phone number: 07 855 3584	Email address: darrin@latitudehomes.co.nz

Document Set ID: 10446788
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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 ✓	If necessary, describe the restricted building work.	Tick ✓ whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Foundations and subfloor framing ☑	Raft/Floor slab inspections including reinforcing, 500E mesh, polythene are in accordance with approved documents viewed on site.	○ Carried out ✓ Supervised
Walls ☐	N/A	○ Carried out ○ Supervised
Roof ☐	N/A	○ Carried out ○ Supervised
Columns and beams ☐	N/A	○ Carried out ○ Supervised
Bracing ☐	N/A	○ Carried out ○ Supervised
Other ☐	N/A	○ Carried out ○ Supervised

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EXTERNAL MOISTURE MANAGEMENT SYSTEMS		
Work that is restricted building work	**Description of restricted building work**	**Carried out or supervised**
Tick ✓	If necessary, describe the restricted building work.	Tick ✓ whether you carried out the restricted building work or supervised someone else carrying out the restricted building work.
Damp proofing ☐	N/A	◯ Carried out ◯ Supervised
Roof cladding or roof cladding system ☐	N/A	◯ Carried out ◯ Supervised
Ventilation system (for example, subfloor or cavity) ☐	N/A	◯ Carried out ◯ Supervised
Wall cladding or wall cladding system ☐	N/A	◯ Carried out ◯ Supervised
Waterproofing ☐	N/A	◯ Carried out ◯ Supervised
Other ☐	N/A	◯ Carried out ◯ Supervised

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

ISSUED BY

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

Name: Milan Jasarevic	LBP number: 1011128
Class(es) licensed in:	
Chartered Engineer	
Plumbers, Gasfitters and Drainlayers registration number (if applicable):	
Mailing address (if different from below):	
Street address/Registered office: 22 Matos Segedin Drive	
Suburb: Leamington	Town/City: Cambridge
PO Box/Private Bag	Postcode: 3495
Phone number: 07 560 3555	Mobile: 021 614 827
After hours:	Fax:
Email address: info@pce.net.nz	Website:

DECLARATION

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

Signature: _____

Date: 13 July 2020

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

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PCE JOB REF:

Pre-pour Inspection Check List for Raft Floor

BC# 191291

Pass / Fail

Address 1005 Te Rahui Road, Te Awamutu

Client Lakeside Homes

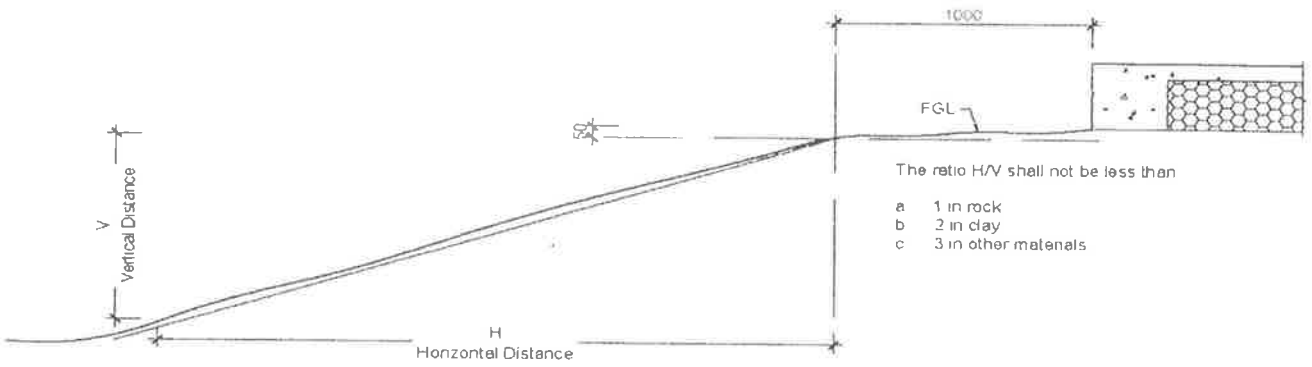
Contractor CEC Ltd

Inspection Date 28/2/20

	Confirmed	
Good ground confirmed as per NZS3604, clause 3.1.3. / Sandpad has PS4	✓ Yes	No
Proximity to sloping ground is above the dashed line as per figure 1.	✓ Yes	No
Shear piles (where required) in place and reinforcement protruding.	✓ Yes	No
Formation area extends at least 1m beyond building footprint.	✓ Yes	No

		Confirmed	
Damp proof membrane in place.		✓ Yes	No
Perimeter foundation	Width 300mm, localise widening around services.	✓ Yes	No
	Reinforcement 2 x HD12 bottom, 1 x HD12 top.	✓ Yes	No
	Correct spacer used at 1.2m maximum centres.	✓ Yes	No
Internal Ribs	Width 100mm.	✓ Yes	No
	Reinforcement 1 x HD12.	✓ Yes	No
	Correct spacer used, max spacing of one per pod or part pod.	✓ Yes	No
Load Bearing ribs	Width 300mm. / 400mm	✓ Yes	No
	Reinforcement 2 x HD12 bottom. / 3 HD12 top & Bottom	✓ Yes	No
	Correct spacer used, max spacing of one per pod or part pod.	✓ Yes	No
Pods	Raft pod.	✓ Yes	No
Mesh	40mm chairs, 1.2m max centres, min two per pod or one per part pod.	✓ Yes	No
	Mesh in place and 665 or equivalent as specified.	✓ Yes	No
	Mesh laps minimum of 225mm, or as specified.	✓ Yes	No
Reinforcement	2 x HD12 bars 1.2m long provided at re-entrant corners.	✓ Yes	No
	Laps for 12mm reinforcement minimum of 720mm.	✓ Yes	No
Slab	Cover to pods minimum of 85mm or 110mm if infloor heating used.	✓ Yes	No
Service penetrations (refer Firth manual or design documents)	No reinforcement (with exception of mesh) cut to allow passage of service pipes. Refer clause 6.3 of Section 1 for exceptions.	✓ Yes	No
	Diameter of opening for services 50mm greater that service pipe. Refer clause 6.3 of Section 1 for exceptions.	Yes	No
	Diameter/size of penetrations as per Table 7, Section 1 of this manual.	Yes	No

Figure 1 *Relationship of Raft to Sloping Ground Surface*



Notes:

FORM OF PRODUCER STATEMENT PS3 – CONSTRUCTION
At project completion, this form shall be completed by the building contractor and supplied to the Engineer.

ISSUED BY: Hadleigh Thomas
(Building Contractor)

TO: Latitude Homes
(Owner/Principal)

IN RESPECT OF: Foundation
(Description of Contract Works)

AT: 1005 Te Rahu Rd, Te Awamutu
(Address)

T/A: ..... **BUILDING CONSENT No:** 191291
(Territorial Authority / Building Consent Authority)

The above Building Contractor has contracted to the above Owner/Principal to carry out and complete certain building works in accordance with the contract, titled

Foundation ("the contract")
(Title of building contract)

I Alan Jones a duly authorised representative of the
(Builder's Authorised Agent)

above building contractor, believe on reasonable grounds that the above building contractor has carried out and completed

☑All ☐Part only as specified in the attached particulars

of the building works in accordance with the contract.

.....
(Signature of Authorised Agent on behalf of the Building Contractor)

9/07/2020
(Date)

30 Matos Segedin
Cambridge
(Address)

This producer statement is confirmation by the builder(s) that they have carried out the building work in accordance with the drawings, specifications (and site amendments) that are part of the contract / building consent documents.

Work covered by this statement should have been supervised and checked by suitably qualified trades-persons.

The Engineer requires this producer statement and a copy of the T/A's building consent conditions, to confirm that items of the contract that he has not personally examined, have in fact been built according to the documents, so that the Engineer may issue appropriate documents to the T/A for it to release the Code Compliance Certificate.

20393-1

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Phoenix
Consulting Engineers Ltd

22 MATOS SEGEDIN DRIVE, CAMBRIDGE
TEL. 07 5603555

CONSTRUCTION REVIEW PRODUCER STATEMENT PS4 FOR CONSTRUCTION INSPECTION

OF STORM WATER DISPOSAL SYSTEM

FOR THE PROPOSED NEW DWELLING AT 1005 TE RAHI ROAD , TE AWAMUTU

25 MARCH 2020
PCE REFERENCE: 191177.02

Responsibility	**Name** **Position / Qualifications**	**Signature**
Prepared by	Amanda Longshaw	pp
Reviewed by	Robin Dawson CPEng. No. 149142	

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

CONSTRUCTION REVIEW

We can confirm visiting the above property above on 11/03/2020 for the purpose of inspecting the storm water disposal system. The inspection was carried out by Richard Hemming; the contractor was informed that the inspection was ***passed***. This inspection covers the associated works listed below;

1. Storm water disposal systems supervision and inspections, confirming;
    a. That the storm water disposal system has been installed in accordance with the building consent documents viewed on site.
    b. That the volume of the storm water disposal system is as per the design documents viewed on site.

Note:

- *This statement applies to the members specified and no other part of the structure.*
- *If any problems arise during the construction of these members, we should be consulted.*
- *This report has been prepared solely for the benefit of our client with respect to the brief. The reliance by other parties on the information or opinions contained in the report shall, without our prior review and agreement in writing, be at such parties' sole risk.*

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

engineering new zealand

New Zealand Institute of Architects Incorporated

ACENZ

Building Code Clause(s) E1/VM1

PRODUCER STATEMENT – PS4 – CONSTRUCTION REVIEW

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

ISSUED BY: Phoenix Consulting Engineers Ltd
(Construction Review Firm)

TO: Latitude Homes
(Owner/Developer)

TO BE SUPPLIED TO: Waipa District Council
(Building Consent Authority)

IN RESPECT OF: Storm water trench
(Description of Building Work)

AT: 1005 Te Rahi Road
(Address)

Town/City: Te Awamutu **LOT** 1 **DP** 524071 **SO**
(Address)

We Phoenix Consulting Engineers Ltd have been engaged by Latitude Homes
(Construction Review Firm)

To provide ☐ CM1 ☐ CM2 ☐ CM3 ☐ CM4 ☐ CM5 (Engineering Categories) or ☐ observation as per agreement with owner/developer. Latitude Homes

or ☒ other Engineering inspection services
(Extent of Engagement)

in respect of clause(s) E1/VM1 of the Building Code for the building work described in documents relating to Building Consent No. 191291 and those relating to Building Consent Amendment(s) Nos. ..... 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. ..... (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) E1/VM1 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, Robin Dawson of GWE Consulting am: ☒ CPEng 149142 # ☐ Reg Arch ..... #
(Name of Construction Review Professional)

I am a member of: ☒ Engineering New Zealand ☐ NZIA and hold the following qualifications BE (Hons)
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 Robin Dawson of GWE Consulting (Signature)
(Name of Construction Review Professional)

ON BEHALF OF Phoenix Consulting Engineers Ltd Date 01/04/2020
(Construction Review Firm)

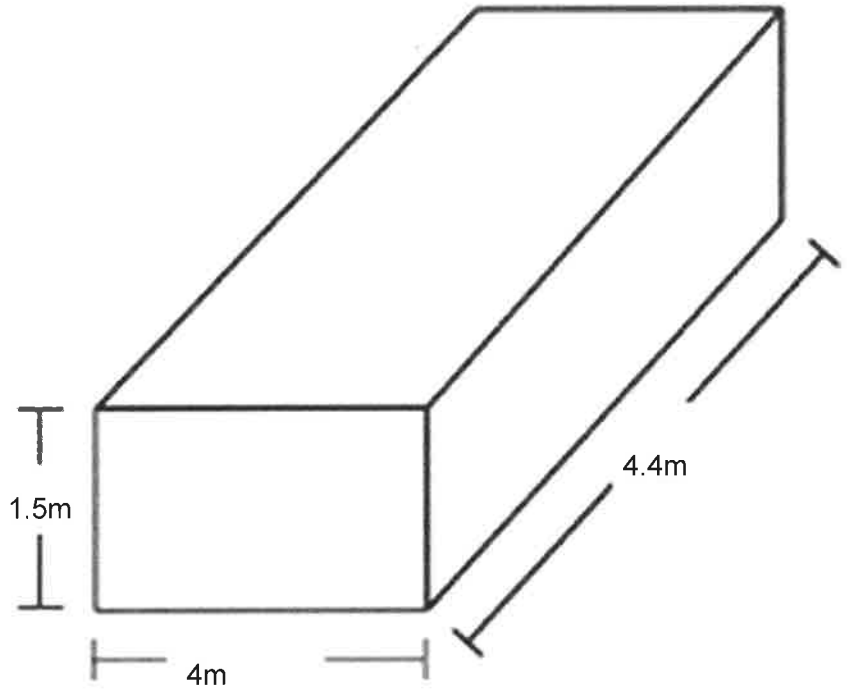
Note: This statement shall only be relied upon by the Building Consent Authority named above. Liability under this statement accrues to the Design Firm only. The total maximum amount of damages payable arising from this statement and all other statements provided to the Building Consent Authority in 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.

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Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Phoenix Consulting Engineers Ltd			Inspection Type: Stormwater Trench
Client	Latitude Homes	PCE Ref 191171	Retest: Yes (No)
Address	1005 Te Rahu Road, Te Awamutu	Lot No.	DP
Contractor	Drainage systems	Recommended Size:	
Inspected by: Amanda Longshaw	Date 11/03/20	Arrive :	Depart : Pass Fail



Area: 17.2m^2

Volume: 25.8m^3

Soil Type:

Notes

soakage trench for dwelling only

Location Sketch

North Arrow

Street/Road

Procedure

1. Measure to confirm correct size
2. Overall photo
3. Determine pass or fail
4. Contact contractor / client if fail and schedule re-inspection

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Waikato Building Consents

Working Together

As Laid Drainage

Building Consent Number: 19-1291 Date: 11 / 03 / 20 No. of pages: 1

Builder: LATITUDE HOMES LTD

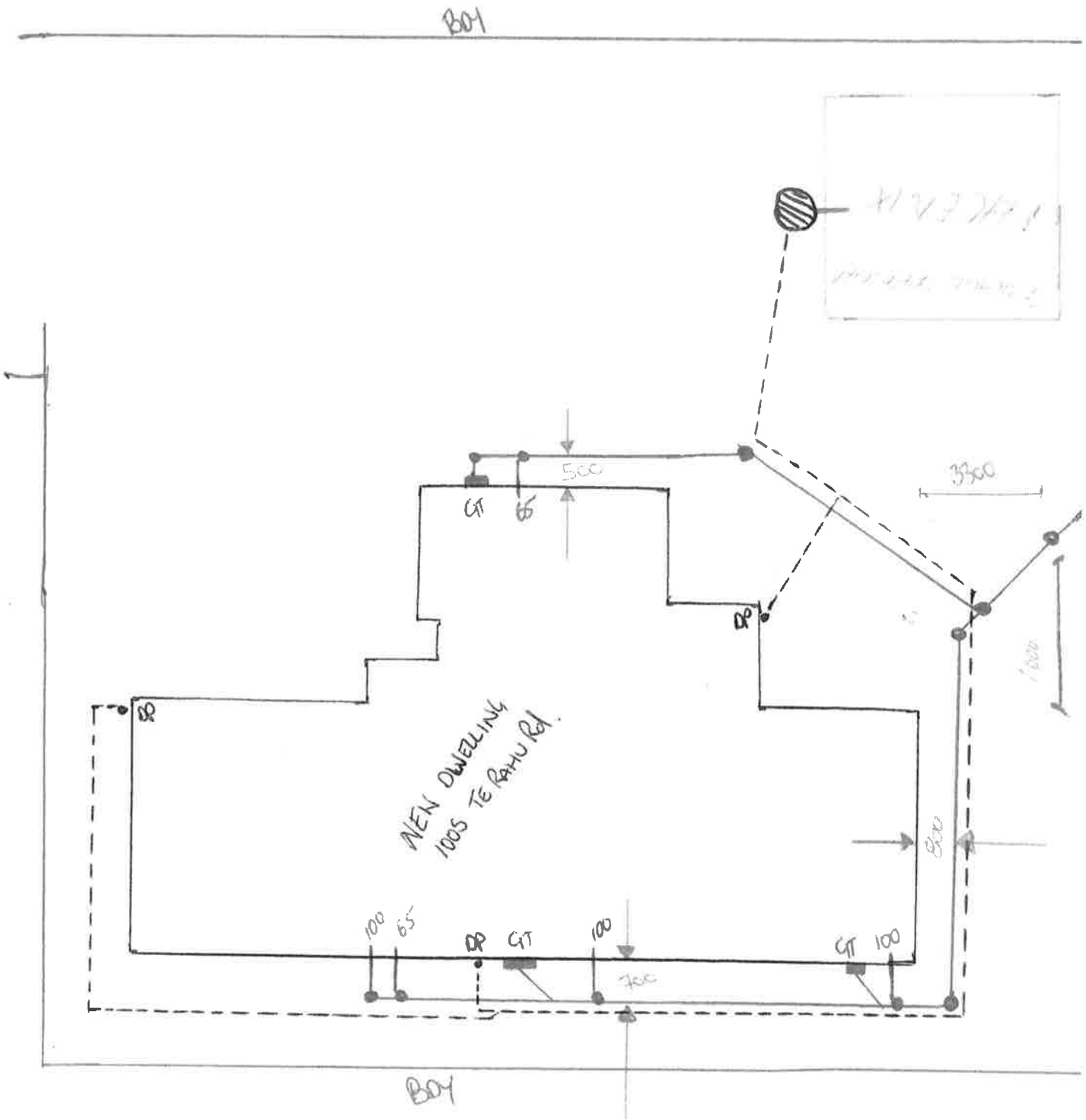
Owner: PETER GILL

Address: 1005 TE RAHI ROAD, TE AWAMUTU

Drain Layer Name: HAMISH MCKENZIE [Please print clearly] Signature:

Registration Number: 21413 Business Name: DRAINAGE SYSTEMS

To Council: [Tick] ☐ Hauraki ☐ Matamata-Piako ☐ Waitomo ☐ Otorohanga ☐ Thames-Coromandel ☑ Waipa ☐ Waikato ☐ Hamilton



Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

DRAINAGE SYSTEMS LTD

residential, commercial & environmental drainage

11 - 3 – 2020

Latitude Homes Ltd
P.O Box 21188
Hamilton

P.S.3 Producer Statement Construction
Gill Residence - 1005 Te Rahi Road, Te Awamutu
Waipa District Council Consent No: 19-1291

The stormwater management system to the above contract was installed and constructed by Drainage Systems Ltd.
Construction was in accordance with the engineered design by Phoenix Engineers Ltd - Cambridge.

If you have any queries concerning the above, please contact me on 021 548 115.

Regards.

Ollie Silverton

p 07 850 4370
m 021 548 115
f 07 850 4373
a PO Box 27026, Hamilton 3257
e ollie@drainagesystems.co.nz
w www.drainagesystems.co.nz

Document Set ID: 10446788
Version: 1, Version Date: 07/08/2020

Form 6
Application for code compliance certificate

Section 92, Building Act 2004

The building consent

Building consent number:	BC191291
Issued by:	Waipa District Council

Agent

Name of agent:	Tania Mackie
Contact person:	
Mailing address:	Po Box 21188 Rototuna 3256
Street address/registered office:	
Phone number:	Landline: 078553584
Daytime:	Landline: 078553584
After hours:	Landline: 078553584
Facsimile number:	No information provided
Email address:	tania@latitudehomes.co.nz
Website:	No information provided
Relationship to owner:	Application made on owners behalf

First point of contact for communications with the building consent authority:

Full name:	Tania Mackie
Mailing address:	Po Box 21188 Rototuna Waikato 3256
Phone number(s):	078553584
Facsimile number(s):	N/A
Email address(es):	tania@latitudehomes.co.nz

Application

All building work to be carried out under the building consent specified on this form was completed on:
31 July 2020

The licensed building practitioner(s) who carried out or supervised the restricted building work is/are as follows:

Name	Mark Field
Licensing class	Design License - Design 2
Licensed building practitioner number (or registration number if treated as being licensed under section 291 of Act)	BP129326
Particular work carried out or supervised	No information provided

Name	Samuel Crarer
Licensing class	Carpentry licence
Licensed building practitioner number (or registration number if treated as being licensed under section 291 of Act)	BP133753
Particular work carried out or supervised	Carpentry Construction Frames, Trusses, Bracing

Name	Alan Jones
Licensing class	Carpentry licence
Licensed building practitioner number (or registration number if treated as being licensed under section 291 of Act)	BP134425
Particular work carried out or supervised	Raft Foundation Construction

Name	Leon Cowley
Licensing class	Roofing
Licensed building practitioner number (or registration number if treated as being licensed under section 291 of Act)	BP100729
Particular work carried out or supervised	Foor, Fascia, Gutter

Name	Marshall Bryant
Licensing class	Bricklaying and Blocklaying
Licensed building practitioner number (or registration number if treated as being licensed under section 291 of Act)	BP128144
Particular work carried out or supervised	Brick Veneer

The personnel who carried out building work other than restricted building work are as follows:

Name	Matt Keremete
Address	No information provided
Phone number	021 377 872
Registration number	N/A
Licensed building practitioner number	N/A

Name	Hamish McKenzie
Address	PO Box 27026, Hamilton, 3257
Phone number	078504370
Registration number	21413
Licensed building practitioner number	N/A

Name	Luis Agnew
Address	PO Box 28002, Rototuna, HAMILTON, 3210
Phone number	021346852
Registration number	16475
Licensed building practitioner number	N/A

Name	Shane Musty
Address	PO Box 4439, Hamilton East, HAMILTON, 3247
Phone number	078494831
Registration number	E268305
Licensed building practitioner number	N/A

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:

There are no specified systems associated with this project.

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:

Agent: Po Box 21188, Rototuna 3256

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

TANIA MACKIE

Name of person signing:	Tania Mackie
Date:	31 Jul 2020

Attachments

The following documents are attached to this application:

No attachments

Waipa DISTRICT COUNCIL

Postal Address
Private Bag 2402
Te Awamutu 3840
New Zealand

Head Office
07 872 0030
101 Bank Street
Te Awamutu 3800

Cambridge Office
07 823 3800
23 Wilson Street
Cambridge 3434

Form 7
Code compliance certificate

Section 95, Building Act 2004

191291@waipa.abcs.co.nz
BC191291

Digitally Delivered

The building

Street address of building:	1005 Te Rahu Road, Te Awamutu 3800
Legal description of land where building is located:	Lot 1 DP 524071
Building name:	N/A
Location of building within site/block number:	1005 Te Rahu Road Te Awamutu 3800
Level/unit number:	N/A
Current, lawfully established, use:	2.0 Housing: 2.0.2 Detached Dwelling with 0 occupants
Year first constructed:	2020

The owner

Name of owner:	Peter Mario Francis Gill
Contact person:	Peter Mario Francis Gill
Mailing address:	PO Box 19185, Hamilton
Street address/registered office:	N/A
Phone number:	Landline: 0221884092 Mobile: N/A
Daytime:	Landline: 0221884092 Mobile: N/A
After hours:	Landline: 0221884092 Mobile: N/A
Facsimile number:	No information provided
Email address:	2possie2@gmail.com
Website:	No information provided

First point of contact for communications with the council/building consent authority:
Tania Mackie (Latitude Homes); Mailing Address: PO Box 21188
Rototuna
Hamilton 3256; Phone: 078553584; Email: tania@latitudehomes.co.nz

Building work

Building consent number:	BC191291
Description:	Lot 1 - New Dwelling 4 Bedrooms, 2 Bathrooms and Attached Double Garage
Issued by:	Waipa District Council

Code compliance

The building consent authority named below is satisfied, on reasonable grounds, that -
the building work complies with the building consent.

Signature: Sarah Kraayvanger
Position: Building Control Officer
On behalf of: Waipa District Council
Date: 07 August 2020

Waipa DISTRICT COUNCIL

Postal Address
Private Bag 2402
Te Awamutu 3840
New Zealand

Head Office
07 872 0030
101 Bank Street
Te Awamutu 3800

Cambridge Office
07 823 3800
23 Wilson Street
Cambridge 3434

Form 5
Building consent - BC191291

Section 51, Building Act 2004

191291@waipa.abcs.co.nz
BC191291

Digitally Delivered

The building

Street address of building:	1005 Te Rahu Road Te Awamutu 3800
Legal description of land where building is located:	Lot 1 DP 524071
Building name:	
Location of building within site/block number:	1005 Te Rahu Road Te Awamutu 3800
Level/unit number:	0

The owner

Name of owner:	Peter Mario Francis Gill
Contact person:	
Mailing address:	PO Box 19185 Hamilton 3244
Street address/registered office:	
Phone number:	Landline: 0221884092 Mobile:
Daytime:	No information provided
After hours:	No information provided
Facsimile number:	No information provided
Email address:	2possie2@gmail.com
Website:	No information provided

First point of contact for communications with the building consent authority:
Tania Mackie (Latitude Homes); Mailing Address: PO Box 21188
Rototuna
Hamilton 3256; Phone: 078553584; Email: tania@latitudehomes.co.nz

Building work

The following building work is authorised by this building consent:
Lot 1 - New Dwelling 4 Bedrooms, 2 Bathrooms and Attached Double Garage

This building consent is issued under section 51 of the Building Act 2004. This building consent does not relieve the owner of the building (or proposed building) of any duty or responsibility under any other Act relating to or affecting the building (or proposed building). This building consent also does not permit the construction, alteration, demolition, or removal of the building (or proposed building) if that construction,

alteration, demolition, or removal would be in breach of any other Act.

This building consent is subject to the following conditions:

Section 90 - Inspections by Building Consent Authorities: (1) Every building consent is subject to the condition that agents authorised by the building consent authority for the purposes of this section are entitled, at all times during normal working hours or while building work is being done, to inspect-
(a) land on which building work is being or is proposed to be carried out; and
(b) building work that has been or is being carried out on or off the building site; and
(c) any building.

(2) The provisions (if any) that are endorsed on a building consent in relation to inspection during the carrying out of building work must be taken to include the provisions of this section.

(3) In this section, inspection means the taking of all reasonable steps to ensure that building work is being carried out in accordance with a building consent.

Booking Inspections
Inspections must be booked prior to 4pm on the day preceding the day of the required inspection. Please quote the Building Consent number when booking inspections.
Please arrange the booking of inspections and direct inquiries regarding this consent to the Customer Support team on 0800 924 723.

Construction monitoring requirements
Please contact the following consultants directly to arrange the construction monitoring identified which they have been engaged to carry out.

Suitably qualified CPEng
1. Subgrade and compacted fill
2. Engineer designed Ribraft foundation
3. Onsite stormwater disposal system

Compliance schedule
A compliance schedule is not required for this building.

Inspections
The following inspections are required:

- Wastepipes
- Post Wrap / Cavity
- Framing / Pre-wrap
- Preline

- Post Line
- Final
- Drainage

Documents required

Framing / Pre-wrap

- B1: Truss certification

Final

- E1: Stormwater Drain As-built Plans
- PS4 - Subgrade And Compacted Fill
- PS4 - Engineer Designed Ribraft Foundation
- PS4 - Onsite Stormwater Disposal System
- Form 6a - LBP record of building work - Foundations
- Form 6a - LBP record of building work - Carpentry
- Form 6a - LBP record of building work - Brick and blocklaying
- Form 6a - LBP record of building work - Roofing
- G9: Energy works certificate
- G12: Pipework pressure test documentation
- G13: As-builts, drainlayer details, pipework test

Copies of all site reports/records must be provided to the Building Consent Authority as work proceeds for their records. Please upload all required documents via your customer portal or email to the consent email address.

All required documents are to submitted and approved prior to final inspection being carried out.

Attachments

Copies of the following documents are attached to this building consent:

- Advice notes / Endorsements

Signature: Dario Kabigting
Position: Building Control Officer
On behalf of: Waipa District Council
Issue Date: 10 February 2020

Advice notes / Endorsements

Site Safety: Please ensure all appropriate site safety measures are provided throughout the contract works to comply with NZ Building Code Clause F5 and all occupational safety and health requirements.

Section 52 - Lapse of Building Consent: A building consent lapses and is of no affect if the building work to which it relates, has not commenced within 12 months after the date of issue of the building consent.

Code Compliance Certificate: Following the completion of all building work to be carried out under this Building Consent the owner or his agent must as soon as practicable, apply to the Waipa District Council on the prescribed form within the consent portal for a Code Compliance Certificate.

Accidental Discovery Protocols: In the event that bones or artifacts are discovered in the course of site excavation, the consent holder should cease works in that area and contact Council's Planning Department. The Council will notify Iwi and/or Heritage New Zealand Pouhere Taonga to determine the appropriate method of recording and/or removal. It should be noted that all sites associated with human activity prior to 1900 have protection under the Heritage New Zealand Pouhere Taonga Act 2014, regardless of whether the sites are registered.

Waipa DISTRICT COUNCIL

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Private Bag 2402
Te Awamutu 3840
New Zealand

Head Office
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Te Awamutu 3800

Cambridge Office
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23 Wilson Street
Cambridge 3434

191291@waipa.abcs.co.nz
BC191291

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Form 4
Certificate attached to Project Information Memorandum
Section 37, Building Act 2004

RE: BC191291, Peter Mario Francis Gill, 1005 Te Rahu Road
Te Awamutu 3800

Restrictions on commencing building work under the Resource Management Act 1991

The building work referred to in the attached Project Information Memorandum (PIM) or Building Consent may require a Resource Consent under the Resource Management Act 1991, or please demonstrate compliance with the Waipa District Plan for the following reason/s:
District Plan:
Building work in this Application fails to comply with the District Plan for the following reason:

Does not comply with Rule 2.4.2.12 - Permeable surfaces. The permeable surfaces is calculated over the gross site area (592m2) and the access leg of impermeable surfaces is required to be included in the calculation. Once this 92m2 access leg area is added to the calculation 35% permeable surface is achieved over the gross site area - which is below the required minimum of 40%. To proceed you will require a land use consent and a supporting stormwater management design.

As the Resource Consent will or may materially affect the building work, to which the attached Project Information Memorandum or Building Consent relates, until they have been granted or resolved no building work may proceed.

Failure to observe the restrictions of this Certificate may result in enforcement proceedings under the Resource Management Act 1991.

Ceri Hills
Duty Planner
On behalf of: Waipa District Council
Issue Date: 31 January 2020