

Form 7

Code compliance certificate 130555

Section 95, Building Act 2004

The building

Street address of building: 149 Hodgsons Road, Loburn

Legal description of land where building is located: Lot 2 DP 431621

Valuation number: 2149016011

Building name:

Location of building within site/block number:

Level/unit number:

Current, lawfully established, use:

Year first constructed:

The owner

Name of owner: Humphreys David John & Humphreys Paula Gail

Contact person:

Mailing address: 149 Hodgsons Road, RD 2, Rangiora 7472

Street address/registered office:

Phone number: Landline: 033128045

Mobile: 0212337608

Daytime:

After hours:

Facsimile number:

Email address: paulah@kiwichef.com.sg

Website:

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

As above

Building work

Building consent number: 130555

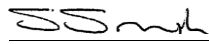
Consent description: Haybarn 9m x 6m

Issued by: Waimakariri District Council

Code compliance

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

(a) the building work complies with the building consent

A handwritten signature in black ink, appearing to be 'SSmh', positioned above a horizontal line.

Signature

Building Administration

On behalf of: Waimakariri District Council

Date: 31/07/13



130731058597
BC130555.03

TRIM Record Number

WDC R1

OWNER: D J & P G Humphreys
PHONE: 033128045

AGENT:
PHONE:

DESIGNER:
SITE: **149 Hodgsons Road, Loburn**
BUILDER:

TYPE: 1493 New Haybarns

Scanned ✓ C.T.
Entered in TRIM ✓
Entered in Sharepoint ✓
Emailed to PIMS ✓
Costing sheet in TRIM ✓

DATE PROCESSED: 11.04.13

PROCESSED BY: Stacey Garrett

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

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

[illegible]

PROJECT COMPLETE/ CCC APPROVED -

INSPECTOR'S SIGNATURE: _____

NAME: _____

DATE:

INSPECTION ISSUES

INSPECTION ISSUES NOTED DURING PROCESSING:

Low soil infiltration area. ~ Stormwater to tank
overflow to soakhole / open drain.

ALTERNATIVE SOLUTION/S:

AMENDMENTS (AFTER CONSENT ISSUE):

DATE:

ENGINEER TO INSPECT:

SURVEYOR REQUIRED (PEGGING / FFL / RECESSON PLANE):

FIRE ENGINEER TO INSPECT:

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

CONSTRUCTION REVIEWS REQUIRED TO SUPPORT PRODUCER STATEMENT DESIGN AND INSPECTION:

Form 6.

File Stripping Check Sheet

BC 130555

- ☒ All Correspondence
- ☒ Audit Check Sheets
- ☒ CCC – Signed
- ☒ Working File Cover
- ☒ Entire Contents inside the Working File Cover
- ☒ As Built Plans
- ☒ Drainage Plans (both onsite & scaled Drawings)
- ☒ Specifications if any changes (see Working File Cover)
- ☒ All White Inspection Notices (as they may have been written on, see below for process of white Inspection Notices)
- ☐ All site photos
- ☒ All Processing Check sheets & Correspondence
- ☒ All Amendments
- ☒ If in doubt – INCLUDE IT
- ☒ All relevant information has been included
- ☒ Completed file stripping check sheet attached

Signed  _____
2. 8. 13.

File sign off for issue of a CCC

Job Number 130555 Final By Tracey Auditor Jord

Project Description New hay barn

Items highlighted (**) are to be sent to the council.

Legend: Pass — N.A. Required

Audit items	
Form 6, signed and dated**	19.7.13 ✓
Final landscaping photos**	✗
Heating check sheet**	—
Drainage Plan**	—
Exterior Plaster PS3**	—
Gas Certificate**	—
Electrical Certificate**	no power —
Drain layers Reg No:	—
Plumbers Reg No:	—
Plumber pressure Test PS4** Consents from 1.11.07	—
Tanking PS3**	—
Cladding type/s as per plans	✓
Drain layers Eff. PS3**	—
W.D.C effluent approval & Fenced	—
Well water test**	—
Engineers site notes**	—
Engineers PS4**	—
Membrane warranty**	—
Membrane Roof Pitch	—
Membrane installers PS4**	—
Construction Statements**	—
Inspection Notices**	—
Consent fees owed	✓
CCC**	Inspection Notices**

Jobs on HOLD outstanding items (list)

✓ Sock pit photos
 ✓ 3 photos
 ✓ 3 Monkey.
 Ready to go



File sign off for issue of a CCC

Commercial	
Access & Facilities	
FPS PS4**	
FPIS Certificate**	
HVACPS4**	
Compliance Schedule application**	
Surveyors cert.**	

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

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

Inspection notices correctly completed and signed off Yes No

Outstanding Items Yes No OK for CCC Yes No

(signed) [Signature] Date 28.7.13.

Form 6

Application for code compliance certificate

Section 92, Building Act 2004

The building consent

Building consent number: 130555

Issued by: Waimakariri District Council

Valuation number: 2149016011

*The owner

Name of owner: D J & P G Humphreys

†Contact person:

Mailing address: 149 Hodgsons Road, RD 2, Rangiora 7472

Street address/registered office:

Phone number: Landline: 033128045

Mobile: 0212337608

Daytime:

After hours:

Facsimile number:

Email address: paulah@kiwichef.com.sg

Website:

The following evidence of ownership is attached to this application: [copy of certificate of title, lease, agreement for sale and purchase, or other document showing full name of legal owner(s) of the building]

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

Application

All building work to be carried out under the above building consent was completed on 11/04/13

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

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: 149 Hodgsons Road, RD 2, Rangiora 7472 (Owner)

D.J. HUMPHREYS P.P.

Signature of owner

F.D. EAST

Name of person signing

Date: 19-07-2013

Attachments

The following documents are attached to this application:

† Certificates from the personnel who carried out the work

† Certificates that relate to the energy work

† Evidence that specified systems are capable of performing to the performance standards set out in the building consent

*Delete this section if details have not changed from the building consent.

† Delete if owner is an individual.

† Delete this section if the application is not being made on behalf of the owner.

§ Delete if the agent is an individual.

|| Contact details must be in New Zealand.

† Delete items not applicable.

NOTICE OF INSPECTION

FINAL INSPECTION

Building Act 2004 - Section 90

Owners Name Humphreys
 Site Address 149 Hodgsons Road
Losburn
 Project Description New Haybarn
 To the Owner / Agent / Occupier / Contractor

Local Auth. Consent No. 5553
13 0555
 Prime Job No. NO
 Officer Tracy QB
 Phone No. _____
 How Notified: ☒ Notified Direct ☐ Left on Site

Please take note that on the 19 / 7 / 13 at 10:45 am/pm this site was inspected pursuant to the Building Act 2004

COMPLIES		YES	NO	COMPLIES		YES	NO	COMPLIES		YES	NO
Internal											
1	☒			1	☒			17	☒		
2	☒			2	☒			18	☒		
3	☒			3	☒			19	☒		
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Plumbing				Exterior				Supplied			
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Flexbraces in place on all posts
Strapping in place & tied to posts as per detail
Rafter connected to posts, as per detail
New 25,000L water tank with overflow to scupper
1.2 x 1.2 x 1.2m/gutter & DP directly to tank @ rear of shed.
Barge cappings in place & r/c cladding 7200mm above GL.
Provided photo's of scupper.

NB: This is not a Code Compliance Certificate



NOTICE OF INSPECTION

Section 90 Building Act 2004

Owners Name: D & P HUMPHREYS

Local Auth. Consent No. 130 555 **42066**

Site Address: 149 HODGSONS ROAD
R.D 2 RANGIORA

Officer: P. BECK & A. KENDALL

To the Owner / Agent / Occupier / Contractor

How Notified

☒ Notified Direct ☐ Left on Site ☐ Faxed

Please take note that on the 16 / 5 / 13 at 10.30am this site was inspected pursuant to Building Act 2004

Inspection Type: POST HOLES

Project Description: POLE SHED

Inspection Notes: PASS ITEMS

- Post holes as per consented Plans & details.
440 ϕ x 1100mm deep. ✓

- Location of Shed is 4.7m from East boundary not 5.5 as per consent.
- Rangiora Planners who confirm min. distance to internal boundary is 3.0m.
- Owners confirm 4.7m is acceptable. ✓

All work as per consent documents ☐ Yes ☒ No
Amendments required ☐ Yes ☒ No
Reinspection Required ☐ Yes ☒ No

Signature

BC130555
25/07/13

WORKING FILE

BC NO: 130555

WDC REC: 02/04/13

OWNER: D J & P G Humphreys
PHONE: 033128045

AGENT:
PHONE:

DESIGNER:
SITE: 149 Hodgsons Road, Loburn
BUILDER:

TYPE: 1493 New Haybarns

DATE PROCESSED: 11.04.13

PROCESSED BY: SL



BC130555
25/07/13



BC 130555
Received
19/7/13





WAIMAKARIRI DISTRICT COUNCIL
Plans and specifications APPROVED in accordance
with the Building Act 2004, clause 49 and the Building
Regulations 1992, Clause 3
BC130555 11/04/2013 staceyg

Producer Statement – PS1 – Design

ISSUED BY: Specific Engineering Design Limited

TO BE SUPPLIED TO: Building Consent Authorities in New Zealand

IN RESPECT OF: Versatile Buildings Standfast Lean-To Isolated Farm Buildings

AT: Various Locations in New Zealand

Specific Engineering Design Limited has been engaged to provide engineering design services in respect of the requirements of Clause (s) B1 of the Building Regulations 1992.

Part only as specified, purlins, rafters, girts, posts and building stability of the proposed building work.

The design has been prepared in accordance with AS/NZS1170, NZS3603, NZS3604, approved documents of the NZ Building Code and the work as described on Versatile Buildings drawings titled Standfast Lean-To Building Ver 1.0, Pages 1-5, and the specification and other documents according to which the building is proposed to be constructed.

As an independent design professional covered by a current policy of Professional Indemnity Insurance to a minimum value of \$200,000, I BELIEVE ON REASONABLE GROUNDS that subject to:

1. The verification of the following design assumptions:
 - i) Importance Level 1, Design working life 50 years
 - ii) Light roof and no ceiling
 - iii) Modified Very High Wind Zone
 - iv) Snow Load $s_g = 1.35\text{kPa}$
 - v) The structure is supporting on good ground – NZS3604 Section 3, with a soil ultimate bearing capacity 300kPa , $\phi_b = 0.5$
2. All proprietary products meeting the performance specification requirements, the drawings, specifications, and other documents according to which the building is proposed to be constructed comply with the relevant provisions of the building code.

I believe on reasonable grounds that the drawings, specifications, and other documents according to which the building is proposed to be constructed comply with the relevant building code.

Claude Antony Carter Cook
BE (Hons), CPEng, IntPE
MIPENZ (ID:240891)

Job Details	Date: 25.3.13
Client Name:	D.J. & P.G. HUMPHREYS
Job Address:	149 Hedgsons Rd Lakemore
Wind Zone:	Very High
Earthquake Zone:	2

Date: 13 March 2013



HOME OF GANG-NAIL® BUILDING SYSTEMS

MiTek New Zealand Ltd.

CHRISTCHURCH
14 Pilkington Way,
PO Box 8387 Christchurch 8440,
Phone: (03) 348 8691
Fax: (03) 348 0314

AUCKLAND
40 Neales Road, East Tamaki
PO Box 58-014, Greenmount
Phone: (09) 274 7100
Fax: (09) 274 7100

www.mitek.nz.co.nz

FARM BUILDING DESIGN INFORMATION – STAND-FAST LEAN-TO**LOADS and TIMBER**

- Radiata Pine or Douglas Fir VSG8 $f_b = 14$ MPa, $E = 8$ GPa, VSG10 $f_b = 20$ MPa, $E = 10$ GPa
- The determination of characteristic stresses, joint design, and dimensions has been based on the dry in service conditions

DESIGN LOADS

- Dead loads for Light Roof – 0.25kPa (includes weight of purlins, associated framing and galvanized iron roof).
- Live loads – 1.1kN concentrated load, 0.25kPa uniform load.
- The enclosed charts have been designed for a Building Importance level 1, with 50 years working life. Refer to AS/NZS 1170.0:2002.
- Wind loads – building designed for a modified VERY HIGH
- Snow Loads - building designed for $s_0 = 1.35$ kPa
- Soil conditions – ALL foundations to be into natural ground with a minimum bearing capacity of 300 kPa, $\phi_b = 0.5$

DESIGN LOAD REFERENCES

Compliance Document for the New Zealand Building Code Clause B1 Structure Amendment 11

NZS3603: 1993 Amendment 4

NZS 3604: 2011

AS/NZS 1170 Part 0: 2002

AS/NZS 1170 Part 1: 2002

AS/NZS 1170 Part 2: 2002

AS/NZS 1170 Part 3: 2003

ANSI/TPI1 – 2002

Cited Verification Method

Cited Acceptable Solution

Cited Verification Method

Cited Verification Method

Cited Verification Method

Cited Verification Method

Alternative Solution

WAIMAKARIRI DISTRICT COUNCIL
Plans and specifications APPROVED in accordance
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Regulations 1992, Clause 3
BC130555 11/04/2013 staceyg

BUILDING ERECTION

Proper bracing must be installed to hold the components true and plumb and in a safe condition until permanent bracing is fixed. All permanent bracing and fixings must be installed before applying any loads.

LOAD DETAILS

These drawings have been prepared using the above design loads.

It is the responsibility of the user to ensure that the design data and loads are still correct at the time of construction.

PRODUCT SPECIFICATION

These details have been designed using specific GANG-NAIL®, LUMBERLOK® AND BOWMAC® products and the performance of the building and validity of the Producer Statement is reliant on the correct choice of product.

COPYRIGHT: These drawings are the property of MiTek New Zealand Limited and Versatile Buildings Limited and must not be copied or reproduced without permission

TIMBER TREATMENT SCHEDULE (To be completed by Building Consent Applicant):

The timber treatment specification is to be in accordance with NZS 3602:2003 and NZS 3640:2003.

Wood-based building component	Tick If Applicable	Species or Type	Level of Treatment to NZS 3640 or AS/NZS 1604 ⁽³⁾
Poles (rounded –typically embedded into ground)		Radiata Pine	H5
Posts (rectangular –embedded into ground)		Radiata Pine	H5
Posts (rectangular –fixed to surface)		Radiata Pine	H5
Rafters (component supporting the purlins)		Douglas Fir	H1.2
Purlins (components supporting roofing material)		Douglas Fir	H1.2
Girts (structure supporting wall cladding)		Douglas Fir	H1.2
Props (component supporting the rafter)		Douglas Fir	H1.2
Blocking (component separating the rafter)		Douglas Fir	H1.2

WAIMAKARIRI DISTRICT COUNCIL
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WAIMAKARIRI DISTRICT COUNCIL
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BC130555 11/04/2013 staceyg



VERSATILE BUILDINGS

MANUFACTURER'S STATEMENT – DURABILITY

Versatile farm buildings have been designed using the external metal cladding on the walls and roof.

To satisfy the requirements of Clause B2: "Durability" of the New Zealand Building Code and to ensure the cladding material meets a 15-year durability life the following provisions must apply:

Range of Product and Use

- Specification: AS1397: 2001
- Coating Type: Zinc/Aluminium & painted
- Steel thickness range: 0.35mm – 0.95mm BMT
- Steel grade range: G300 – G550
- Application: Standard Versatile cladding on Importance Level 1 as per AS/NZS1170.0:2002
- Fasteners: Heavy Zinc or Zinc-tin coated clouts to comply with AS3566.2-2002 Classes 3 & 4.
Aluminium rivets for all steel components. IFI 114:1986

Requirements, Limitations and Exclusions

- Applicable to buildings in Sea-Spray zone and exposure zones A,B,C & D in accordance with Clause 4, Durability, NZS 3604:2011 which is an acceptable solution under clause B2 of the NZBC.
- Fixing and installation of the cladding must be done exactly in accordance with Versatile Buildings Fixing Guide
- Normal and regular maintenance must be carried out on the exterior surface of the cladding and the following guide must be followed to ensure the durability requirements are met.

Regular Maintenance

- **Exposure zones A, B, C & D. (All areas other than sea spray zones – see below)**
Rain washing only required on exposed sections, sheltered or protected areas such as under spouting, top cladding boards and tops of doors require washing every 3 months.
- **Sea Spray Zones (Within 500m from the sea or 100m from sheltered harbours or inlets) and areas of Geothermal Activity**
Rain-washing only required on exposed areas. Sheltered and protected areas such as under spouting, top cladding boards and tops of doors require washing down every month and whenever corrosive salts are present.

Extended Maintenance, Painting or Repainting

- **Extended Durability**
Once the metallic coating or the paint system has weathered away, signs of red rust for bare material or signs of the metallic coating for painted material, painting of the entire surface is required to extend the life of the cladding product. Paint manufacturers recommendations are to be followed for surface preparation and paint type to be used.
- **Evident Corrosion**
Areas that show signs of white or red rust/corrosion (typically in unwashed areas) require cleaning back with a stiff brush and cleaner to remove all dust, surface contaminants and corrosion products and present a sound substrate for painting. Priming of the surface and application of two coats of paint as per the Paint Manufacturer's recommendations is then required.
Particular attention needs to be paid to laps (side, end, flashing etc) where earlier corrosion may start due to moisture and dirt entrapment.
If evident corrosion is not treated quickly rapid deterioration of the sheet may occur which could result in perforation. At this stage replacement of the affected sheet is the best option.

References

1. NZS 3604:2011, clause 4, Durability.
2. Versatile Buildings Assembly Instructions
3. New Zealand Building Code 2004

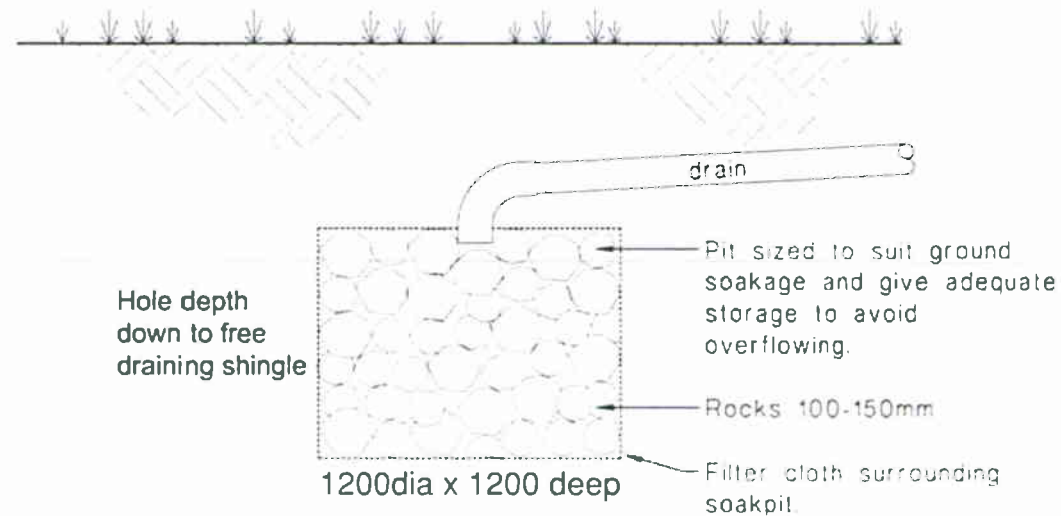
Versatile Buildings
112 Waterloo Road
Christchurch
NEW ZEALAND

Dated: 1st February 2012

SURFACE WATER

Verification Method E1/VM1

Figure 13: Soak Pit for Surface Water Disposal
Paragraph 9.0.4



(a) Rock soak pit

Compliant with NZBC E1