



Form 7

Code compliance certificate

120302

TRIM Record Number

120703041200
BC120302.03



Section 95, Building Act 2004

The building

Street address of building: 171 McPhedrons Rd, Oxford

Legal description of land where building is located: Lot 8 DP 435575

Valuation number: 2154012713

Building name:

Location of building within site/block number:

Level/unit number:

Current, lawfully established, use:

Year first constructed:

The owner

Name of owner: Whear Rachel Toni

Contact person: R Whear

Mailing address: 145 McPhedrons Road, RD 1, Oxford 7495

Street address/registered office:

Phone number: Landline:

Mobile:

Daytime:

After hours:

Facsimile number:

Email address:

Website:

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

As above

Building work

Building consent number: 120302

Consent description: 3 bay lean to farm shed

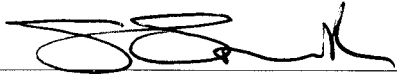
Issued by: Waimakariri District Council

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, consisting of several loops and a final vertical stroke, positioned above a horizontal line.

Signature

A handwritten signature in black ink, consisting of several loops and a final vertical stroke, positioned above a horizontal line.

Position

On behalf of: Waimakariri District Council

Date: 9/05/12



WAIMAKARIRI
DISTRICT COUNCIL

File sign off for issue of a CCC

Job Number 120302 Final By Lee Auditor Sarah

Project Description New form building

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

Legend: . Pass — N.A . Required

Audit items	
Form 6, signed and dated**	1.5.12 ✓
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)

Rebate

Army 3x repair



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)

Date

5.5.12

Form 6

Application for code compliance certificate

Section 92, Building Act 2004

The building consent

Building consent number: 120302

Issued by: Waimakariri District Council

Valuation number: 2154012713

*The owner

Name of owner: ~~R. Wheeler~~ *S. HARRIS*

†Contact person: ~~R. Wheeler~~

Mailing address: ~~15 Farnswood Place, Redwood, Christchurch 8054~~ *171, McPhersons Rd*

Street address/registered office:

Phone number: Landline:

Mobile:

Daytime:

After hours:

Facsimile number:

Email address:

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 16/03/12

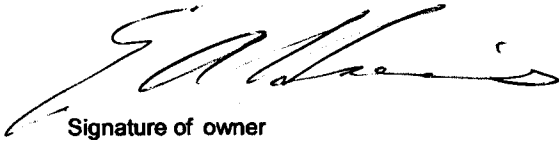
The personnel who carried out the building work are as follows:

Builder: Greenwood PO Box 16035 Hornby Christchurch : 347 2599

Designer: MITEK NZ Ltd PO Box 8387 Riccarton Christchurch

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: 15 Farnswood Place, Redwood, Christchurch 8051
(Owner)



Signature of owner

Graeme Harris

Name of person signing

Date:

01/05/2012.

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.



WDC Rec 24.02.2012

As Built Truss Sticker

OWNER: R Whear
PHONE:

AGENT:
EMAIL:

DESIGNER: MITEK NZ Ltd
SITE: 141 McPhedrons Rd, Oxford
BUILDER/PH: Greenwood

TYPE: New Farm Buildings - Other

Resource Consent Sticker

DATE PROCESSED: 15.03.12

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)

PROJECT COMPLETE/ CCC APPROVED -

INSPECTOR'S SIGNATURE: _____

NAME: _____

DATE: _____

INSPECTION ISSUES

INSPECTION ISSUES NOTED DURING PROCESSING:

- Slab to enclosed bay, accepted unreinforced footing.
- Highest (Purple) soil infiltration. Roof water direct to ground (no guttering + dp's).

ALTERNATIVE SOLUTION/S:

AMENDMENTS (AFTER CONSENT ISSUE):

DATE:

ENGINEER TO INSPECT:

SURVEYOR REQUIRED (PEGGING / FFL / RECESSION 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.



NOTICE OF INSPECTION

Section 90 Building Act 2004

Owners Name: R. WHEAR

Local Auth. Consent No. 120302

Site Address: 171 McPHERSONS RD

Officer: LEE BITTNER

To the Owner / Agent / Occupier / Contractor

How Notified

☒ Notified Direct ☐ Left on Site ☐ Faxed

Please take note that on the 1 / 5 / 12 at am/pm this site was inspected pursuant to Building Act 2004

Inspection Type: Final

Project Description: SHED

Inspection Notes: PASSION ITEMS

CLADDING NAILED OFF	✓
1x GASK ENCLOSURE	✓
JOIST HANGERS NAILED	✓
SILLS ON BRACKETS	✓
POST / BEAM CONNECTIONS BOLTED	✓
STRAP BRACKETS TO ROOF PLANE	✓
CONCRETE FLOOR TO ENCLOSURE BAY - RUBBER @ BEAM	✓
ALL TIMBER H3 MIN	✓
NETTING UNDER ROOF UNIFORM	✓
NO POWER TO SHED	✓
FORM 6 RECEIVED	✓

All work as per consent documents ☒ Yes ☐ No

Amendments required ☐ Yes ☒ No

Reinspection Required ☐ Yes ☒ No

Signature [Signature]



NOTICE OF INSPECTION

Section 90 Building Act 2004

Owners Name: R WHORR

Local Auth. Consent No. 120302

Site Address: 171, McPHERSONS RD

Officer: LEE BITMAN

To the Owner / Agent / Occupier / Contractor

How Notified

☒ Notified Direct ☐ Left on Site ☐ Faxed

Please take note that on the 19 / 4 / 12 at 11:50am this site was inspected pursuant to Building Act 2004

Inspection Type: Pre-Pour slab

Project Description: SHED

Inspection Notes: PASSED ITEMS

COMPACTED BASE LAY	✓
BLACK POLY 100mm LAY	✓
THICKENING TO FRONT CORNER	✓
668 MOSH LAPPED + TIED	✓
100mm THICK SLAB	✓

SITE INSTRUCTION

* Form ROBATE @ ROVER DOORS

OK to Pour

All work as per consent documents	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Amendments required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Reinspection Required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Signature [Signature]



NOTICE OF INSPECTION

Section 90 Building Act 2004

Owners Name: WHEAR

Local Auth. Consent No. 120302

Site Address: 171 MCPHERSON RD

Prime Job No. —

Officer: ROBERT BAILEY

To the Owner / Agent / Occupier / Contractor

How Notified

☒ Notified Direct ☐ Left on Site ☐ Faxed

Please take note that on the 12 / 4 / 12 at 4 am/pm this site was inspected pursuant to Building Act 2004

Inspection Type: POST HOLES

Project Description: NEW FARM BUILDING
PASSED

Inspection Notes: SITES AS CONSENT PLANS ✓

POST HOLES 1200 DEEP x 600. ✓

OK TO POUR. ✓

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

Signature Ru



120302
1/5/12





MiTek New Zealand Ltd.

AUCKLAND
40 Neales Road, East Tamaki
PO Box 58-014, Greenmount
Phone: (09) 274 7109
Fax: (09) 274 7100

CHRISTCHURCH
20 Kotzikas Place, Sockburn
PO Box 8387, Riccarton
Phone: (03) 348 8691
Fax: (03) 348 0314

HOME OF GANG-NAIL® BUILDING SYSTEMS

www.mitek.nz.co.nz

Producer Statement - Design

ISSUED BY: Claude Antony Carter Cook (MiTek NZ Ltd)

IN RESPECT OF: PROPOSED GREENWOOD LEAN-TO FARM BUILDING

MiTek New Zealand Ltd has provided engineering design services to GREENWOOD in respect of the requirements of Clause(s) B1 of the Building Regulations 1992 for

☒ Part only as specified – Purlins, Rafters, Girts, Posts, Cantilevered Poles (including footing embedment), ONLY
NOTE: (WALL Bracing an Optional requirement)

of the building work. The design has been prepared in accordance with, approved documents of the NZ Building Code and the work is described on MiTek New Zealand Ltd calculations titled CH 9000 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 \$500,000, I BELIEVE ON REASONABLE GROUNDS that subject to:

1. the verification of the following design assumptions:

- i) Light Roof
- ii) Buildings designed for importance level 1 with a 50 year working life
Refer to AS/NZS 1170.0:2002
- iii) Wind Load: Modified High and Modified Very High
- iv) Snow Load: $S_g=0.9\text{kPa}$, $S_g=1.35\text{kPa}$,
- v) The structure is supporting on good ground– NZS 3604 Section 3, with a soil ultimate bearing capacity 300 kPa, $\phi_b=0.5$

2. all proprietary products meeting the performance specification requirements,

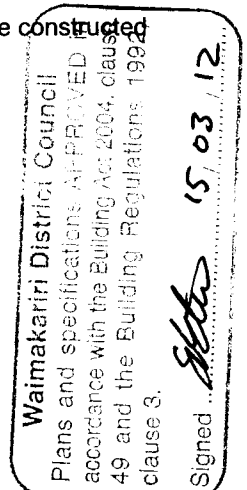
the drawings, specifications, and other documents according to which the building is proposed to be constructed comply with the relevant provisions of the building code.

Signature

Date: 22 February 2011

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

PAGE: 1 / 11



GANG-NAIL®

LUMBERLOK®

BOWMAC®



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 7109
Fax: (09) 274 7100

HOME OF GANG-NAIL® BUILDING SYSTEMS

www.mitek.nz.co.nz

DESIGN INFORMATION LEAN TO UNVERIFIED N.O.1 TIMBER GRADE

LOADS and TIMBER

- Poles, Outer Zone Density Normal 350 kg/m³ $f_b = 38$ MPa. Pole taper 6mm per 1.0m length
- Purlins and girts –Unverified N.o.1 – Rough Sawn Radiata Pine or Douglas Fir. $f_b = 10$ MPa, $E=6$ GPa.
- Rafters –Unverified N.o.1- Rough Sawn Radiata Pine or Douglas Fir. $f_b = 10$ MPa, $E=6$ GPa
- Moisture content can be green. Our recommendation is 20% or less at time of installation.

POLES: H5
TIMBER: H3.2

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 **High** and modified **Very High** wind conditions.
- Snow Loads - building designed for $S_g=0.90$ kPa, 50 years working Life Region N4 =150m, N5 Altitude = 300m
- Snow Loads - building designed for $S_g=1.35$ kPa, 50 years working Life Region N4 =275m, N5 Altitude = 513m
- 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 8	Cited Verification Method
NZS3603:1993 Amendment 4	Cited Acceptable Solution
NZS 3604 Amendment 2	Cited Verification Method
AS/NZS 1170 Part 0: 2002	Cited Verification Method
AS/NZS 1170 Part 1: 2002	Cited Verification Method
AS/NZS 1170 Part 2: 2002	Cited Verification Method
AS/NZS 1170 Part 3: 2003	Cited Verification Method
ANSI/TPI1 – 2002	Alternative Solution

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

PAGE: 2 / 11

DURABILITY:

GANG-NAIL®

Y:\FARM BUILDINGS\ICH 9000\UNVERIFIED No1 Design Information Sheet 081028.docx
LUMBERLOK®

BOWMAC®

Waimakariri District Council
Plans and specifications must be in accordance with the Building Act 1991, clause 49 and the Building Regulations 1992.
Signed: [Signature] 15/03/12

REFERRAL INFORMATION



FIXED FEE:

Solarwater Heater: ☐

Log Fire: ☐

Marquee: ☐

BC NO: 120302

WDC Rec 24.02.2012

OWNER: R Whear

PHONE:

AGENT:

EMAIL:

DESIGNER: MITEK NZ Ltd

SITE: 141 McPhedrons Rd, Oxford

BUILDER/PH: Greenwood

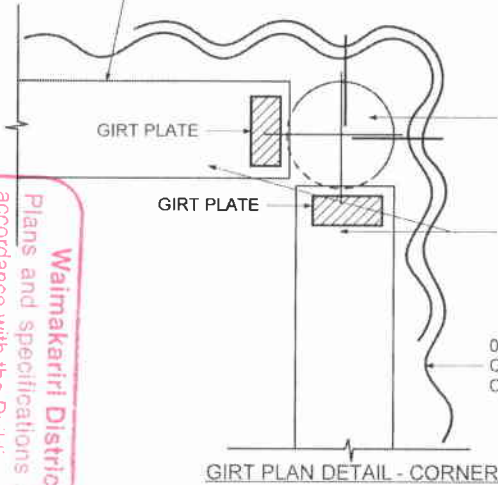
TYPE: New Farm Buildings - Other

Functions	Date	Actioned By (initial)	Standard Conditions
Log In Admin	5/3/12	NMSA	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11
			12, 13, 14, 15, 16, 17, 18, 19, 20
Vetting			Special Conditions:
Processing	15.03.12	SBG.	
Compliance Schedule			
Peer Review			
Validation			
Issue	16/3/12	J	
Cancellation			

120302

Waimakariri District Council
Plans and Specifications APPROVED
accordance with the Building Act 2004, clause
49 and the Building Regulations 1992,
clause 3.
Signed: *[Signature]* 15/03/12

TIMBER GIRTS TO BE FLUSH
WITH OUTSIDE EDGE OF POLE

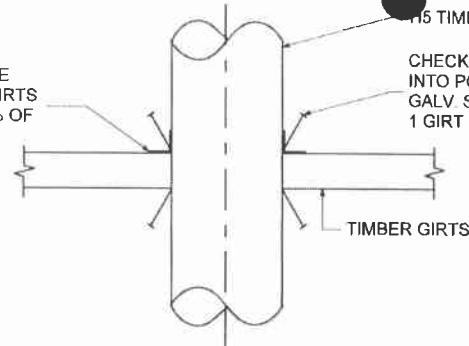


LUMBERLOK GIRT PLATE
FOR ALL POLE / WALL GIRTS
CONNECTIONS FILL 70% OF
HOLES

H5 TIMBER POLE

TIMBER GIRTS, REFER TO
ROOF PLAN OR CROSS SECTION
FOR SIZE & SPACING

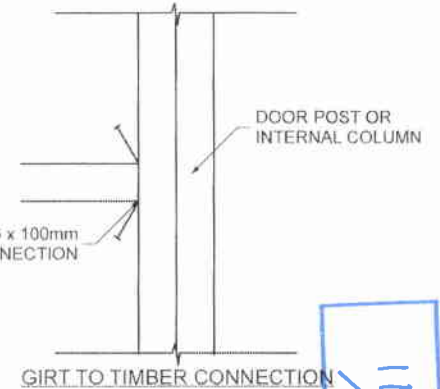
0.4mm ZINCALUME OR
COLORSTEEL CORRUGATED
CLADDING



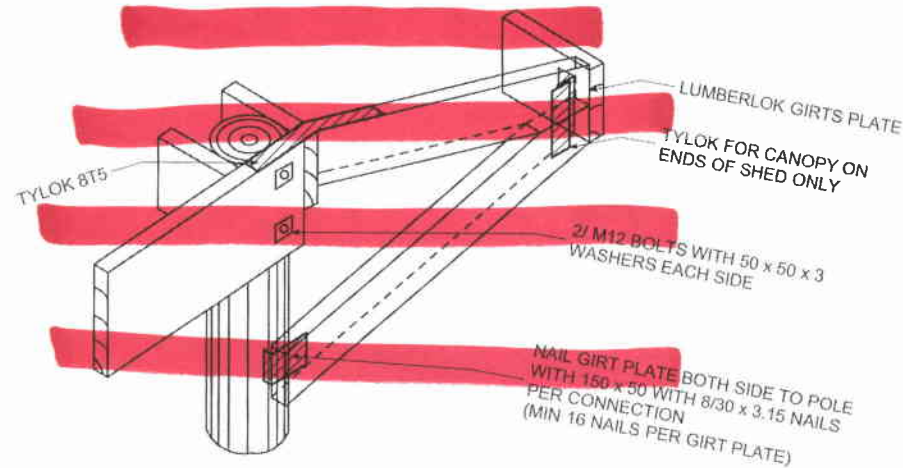
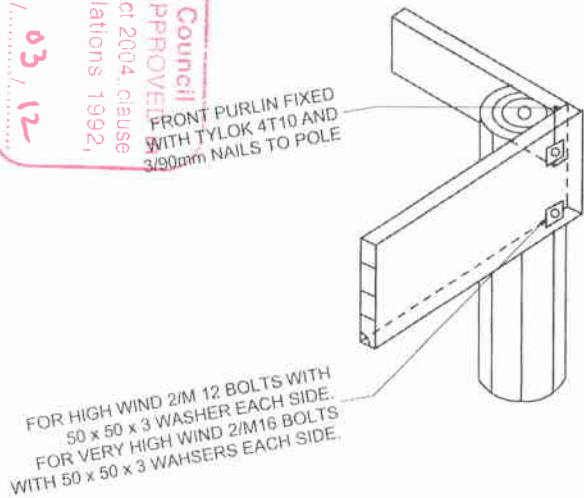
H5 TIMBER POLE

CHECK GIRTS 3mm MAX
INTO POLE AND FIX WITH
GALV. SKEWED NAILS WITH
1 GIRT PLATE EACH END

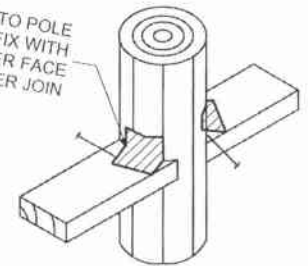
FIX WITH 6 x 100mm
NAILS PER CONNECTION



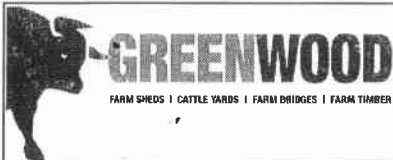
PAGE: 6 / 11



GIRTS CONNECTED TO POLE
WITH GIRT PLATE, FIX WITH
8/30 x 3.15 NAILS PER FACE
2 x 100mm NAILS PER JOIN



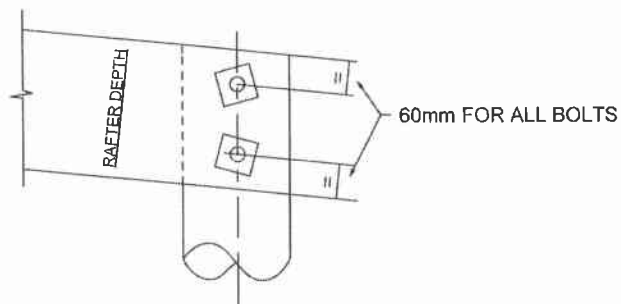
DETAIL 4
10.4



GreenWood Ref:

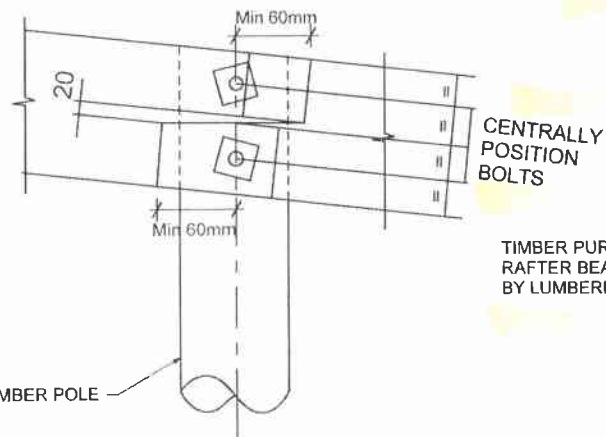
Greenwood Farm Sheds Available
exclusively from

PGG Wrightson



RAFTER / POLE CONNECTION

RAFTER SIZE	BOLT SIZE	WASHER SIZE
SEE ROOF PLAN	HIGH WIND 12mm	50 x 50 x 3mm
	VERY HIGH WIND 16mm	50 x 50 x 3mm

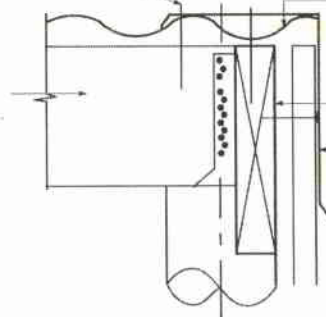


RAFTER SPLICE DETAIL

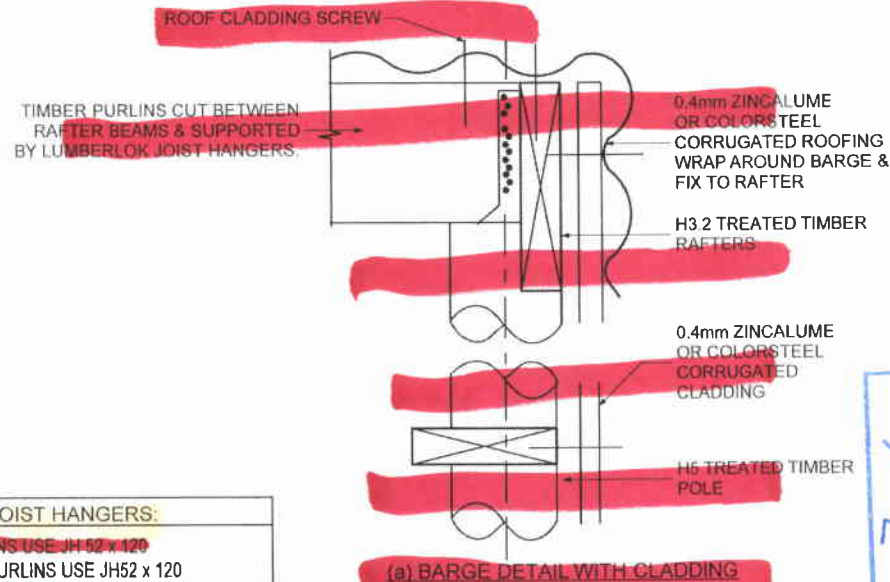
JOIST HANGERS:
160 x 50 PURLINS USE JH 52 x 120
FOR 200 x 50 PURLINS USE JH 52 x 120
FOR 250 x 50 PURLINS USE JH 52 x 190
FILL 70% OF HOLES WITH 3.15 x 30mm NAILS

ROOF CLADDING SCREW

TIMBER PURLINS CUT BETWEEN
RAFTER BEAMS & SUPPORTED
BY LUMBERLOK JOIST HANGERS



(b) BARGE DETAIL WITH STD BARGE FLASHING



(a) 0.4mm ZINCALUME
OR COLORSTEEL
CORRUGATED ROOFING
WRAP AROUND BARGE &
FIX TO RAFTER

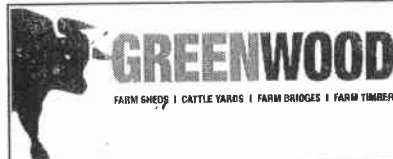
H3 2 TREATED TIMBER
RAFTERS

(b) BARGE DETAIL WITH STD BARGE FLASHING

PAGE: 7 / 11

Waimakariri District Council
Plans and Specifications Approved in
accordance with the Building Act
1992, clause 49 and the Building Regulations
1992, clause 3.

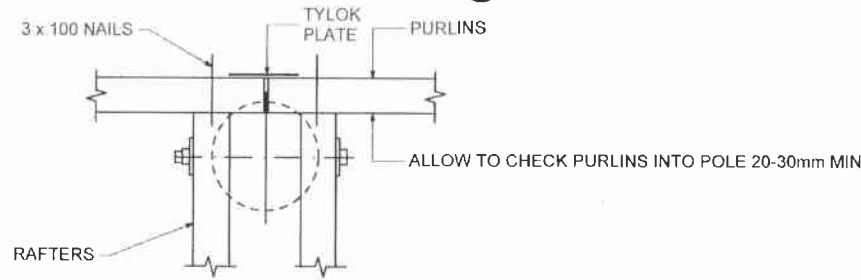
Signed: [Signature] 15/03/12



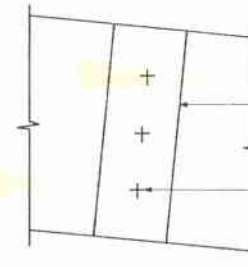
GreenWood Ref:

GreenWood Farm Sheds Available
exclusively from

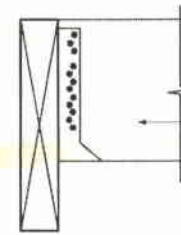
PGG Wrightson



DOUBLE RAFTER / POLE CONNECTION - PLAN

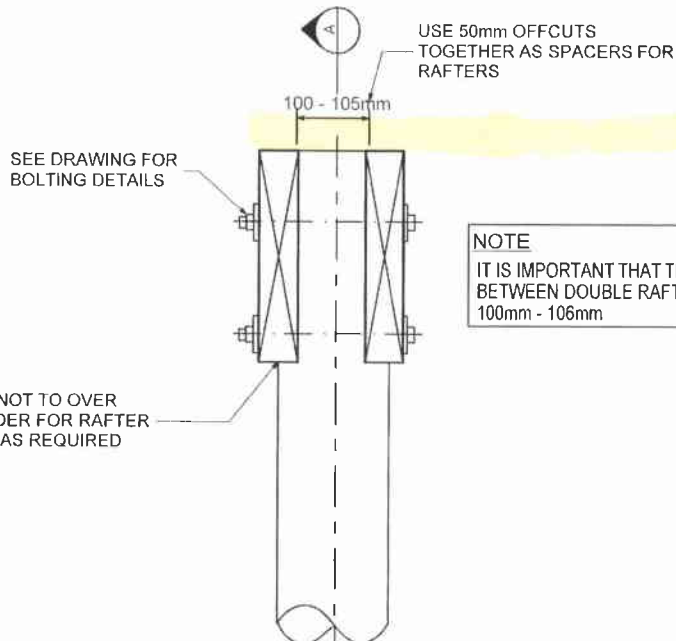


BLOCKING BETWEEN RAFTERS



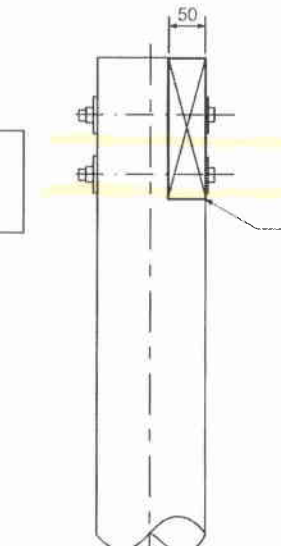
PURLIN TO RAFTER DETAIL

TIMBER PURLINS CUT BETWEEN RAFTER BEAMS & SUPPORTED BY LUMBERLOK JOIST HANGERS.

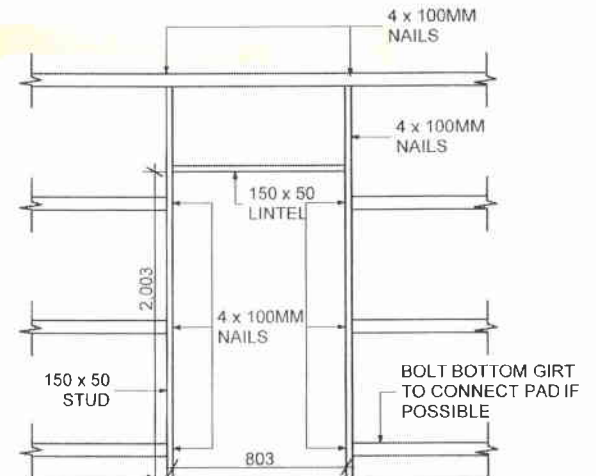


DOUBLE RAFTER / POLE CONNECTION - SECTION

NOTE
IT IS IMPORTANT THAT THE WIDTH BETWEEN DOUBLE RAFTERS IS 100mm - 106mm



TYPICAL PERIMETER POST



PA DOOR FRAMING

NOTE: STANDARD PADDOOR IS 2m W x 0.8m H. BEFORE INSTALLING DOOR FRAMING CHECK DOOR DIMENSIONS

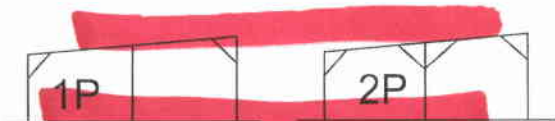
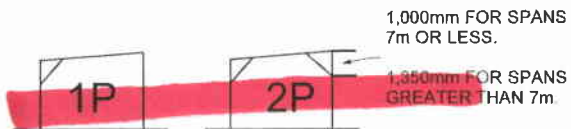
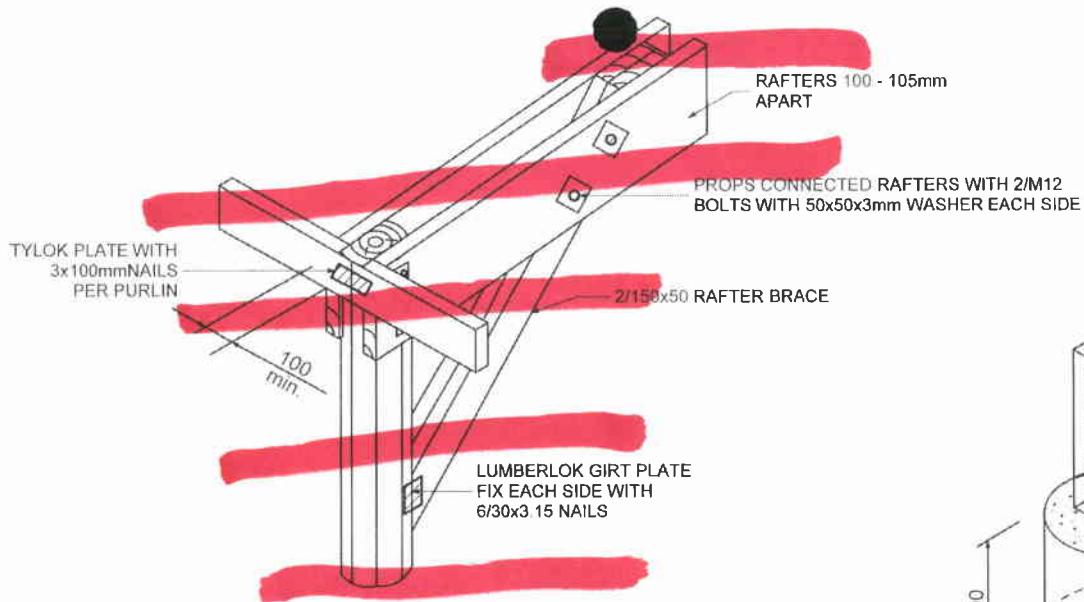
Maimakariri District Council
 Plans and Specifications APPROVED in
 accordance with the Building Act 2004, clause
 49 and the Building Regulations 1992,
 clause 3.
 Signed *Shelley* 15/03/12



GreenWood Ref:

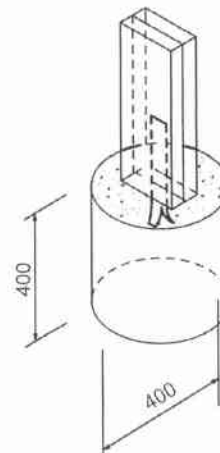
GreenWood Farm Sheds Available
exclusively from

PGG Wrightson

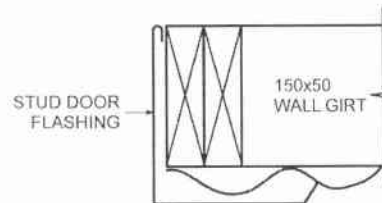


FOR CENTRE POLE

RAFTER BRACE DETAIL

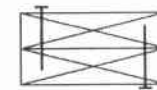


ROLLER DOOR POST OR INTERNAL COLUMN FIXING DETAIL



DOOR POST FLASHING DETAIL

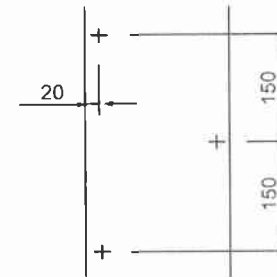
(NO FLASHING ABOVE DOORS - INSTEAD POSITION CLADDING 20-25mm BELOW DOOR LINTEL)



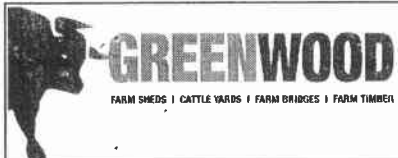
COLUMN

NOTE:

FIX EACH LAMINATE TO ADJACENT MEMBER WITH 90mm NAILS IN 50 THICK MEMBERS. NAIL AT 150c/s STAGGERED.



NAILING PATTERN FOR COLUMNS



GreenWood Ref:

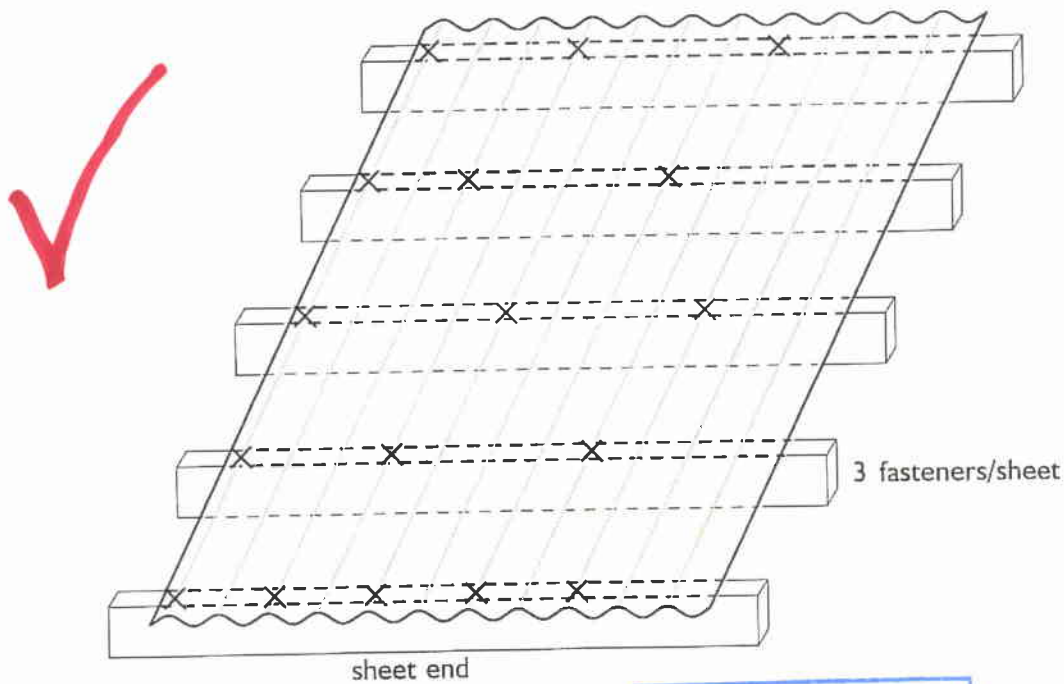
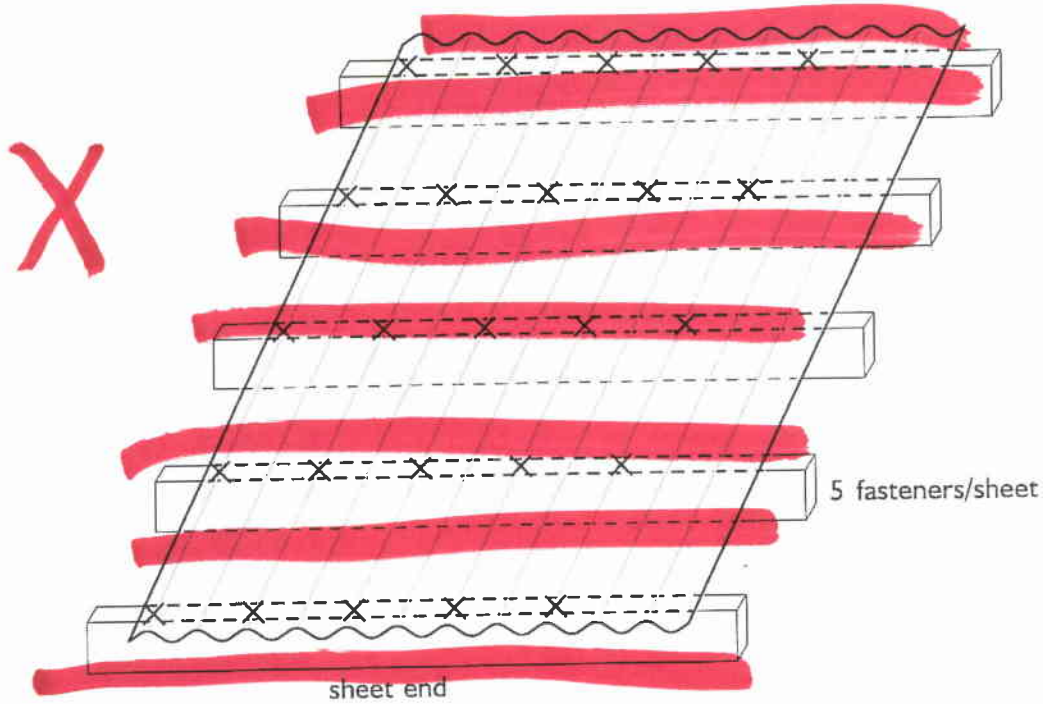
GreenWood Farm Sheds Available exclusively from

PGG Wrightson

2.1.4.8 (b) Continued

DIMOND CORRUGATE
FASTENER LAYOUT OPTIONS

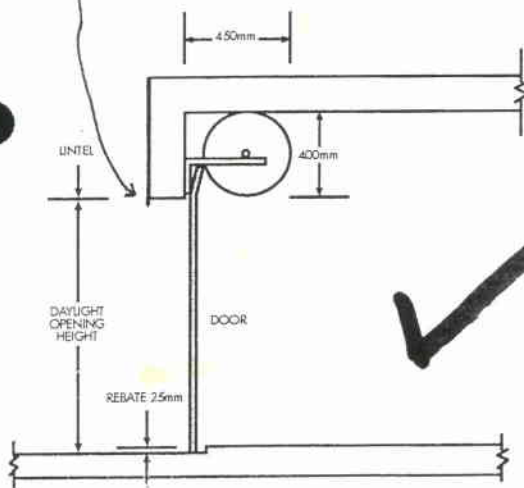
Waimakariri District Council
Plans and specifications APPROVED in
accordance with the Building Act 2004, clause
49 and the Building Regulations 1992,
clause 3.
Signed *[Signature]* 15/03/12



NOTE : CLADDING ABOVE DOOR
 TO BE POSITIONED WITH
 BOTTOM OF CLADDING 20-25mm
 LOWER THAN DOOR LINTEL.

FRAMING STANDARDS

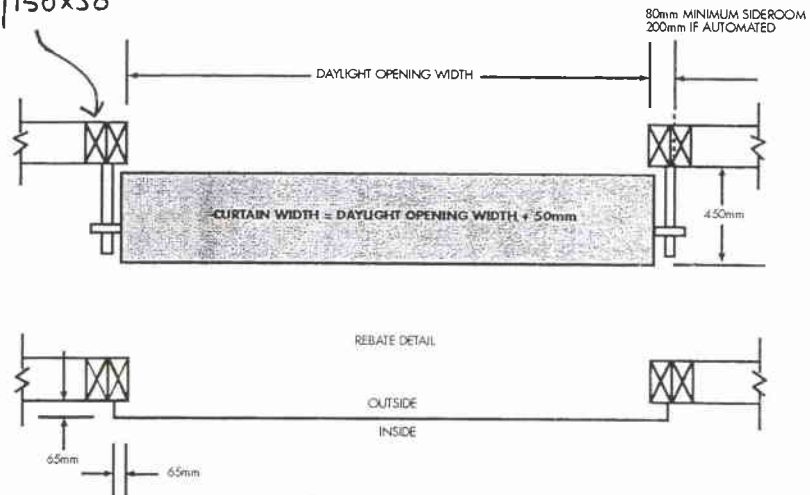
A-SERIES DOMESTIC



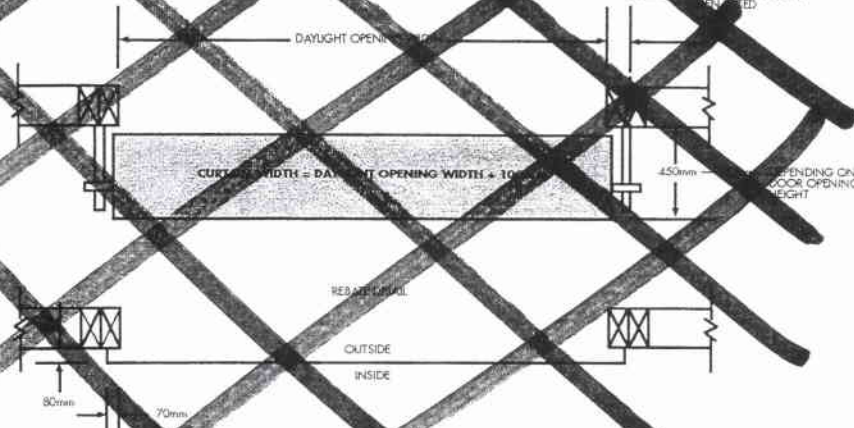
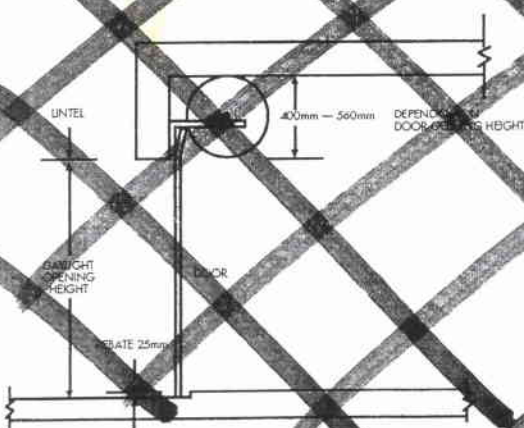
Horizontal Lintel above door:

2/150x50

2/150x50



~~AA DOMESTIC & B SERIES LIGHT INDUSTRIAL~~



Typical Foundation

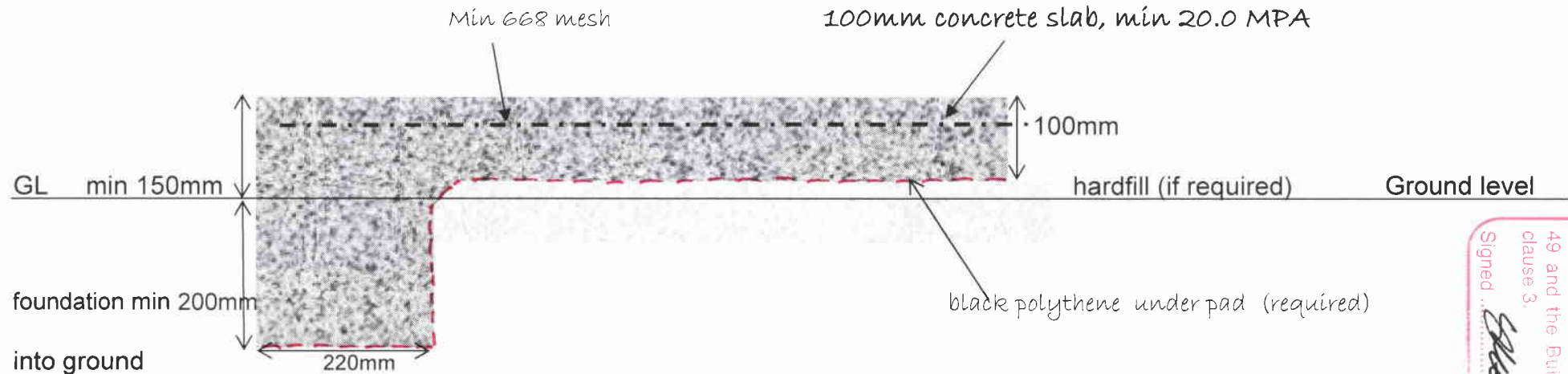
220mm wide concrete foundation

Slab

100mm concrete slab, min 20.0 MPA

668 Reinforcing mesh (or 665 mesh if preferred)

Compacted Hardfill (if required).



Concrete pad applies to all 1 x enclosed bay only

foundation details to apply to UNDER DOOR OPENINGS ONLY

Waimakariri District Council
 Plans and specifications APPROVED in
 accordance with the Building Act 2004, clause
 49 and the Building Regulations 1992,
 clause 3.
 Signed: *[Signature]* 15/03/12

Foundation Details

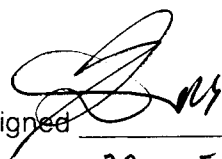
GREENWOOD PERFORMANCE IS OUR STRENGTH	Date:		Greenwood Farm Sheds Available from PGG Wrightson
	Project Description:	GreenWood shed	
	Name of Owner:	HARRIS AND WHEAR	
	Site Address:	MCPHREDRONS ROAD	
GreenWood Ref:		OXFORD	

120302

File Stripping Check Sheet

BC 120302

- ☒ All Correspondence
- ☒ Audit Check Sheets
- ☒ CCC – Signed
- ☒ Working File Cover
- ☒ Entire Contents inside the Working File Cover
- ☒ As Built Plans
- ☒ ^{n/a} 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 
29-5-12