ITM ADVANTAGE LEAN-TO POLE SHED SPECIFICATIONS



Pole Shed For Jamie and Naomi Bennett - 58 Swamp Road, Tasman

Wind zone: High Site: Exposed Mitek: FB34073A

Roof to be clad with 0.4 Zincalume 5 Rib Long run

Wall to be clad with 0.4 Corrugated long run

Roof and walls to be fixed with 65mm & 50mm Timbertite Screws..

Spouting to be Marley Classic PVC with 80mm Downpipes

Servicing 180m2 of roof area.

Rainwater to be piped 2.0m from the structure.

All Poles to be H5 Treated High Density Poles.

All Timber to be H4 Rad R/S SG 8

All fixings and Mitek connectors to be Galvanised.

Site waste water disposal by owner



Tasman District Council
BUILDING CONSENT AUTHORITY
APPROVED DRAWINGS

Consent Number BC ..15.0.84.0......

Signed .

Date 14/08/2015

ALL WORK IS TO COMPLY WITH THE NZ BUILDING CODE DO NOT MAKE CHANGES WITHOUT PRIOR APPROVAL



MiTek New Zealand Ltd.

ALICKLAND

Phone: (09) 274 7109

(09) 274 7100 Fax:

Emails to: farm.buildings@miteknz.co.nz

LUMBERLOK®

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Producer Statement - PS1 - Design

ISSUED BY:

MiTek New Zealand Ltd.

(03) 348 0314

TO BE SUPPLIED TO: Building Consent Authorities in New Zealand

IN RESPECT OF:

Proposed Lean-To Farm Building - FB34073A

AT:

58 Swamp Road

CHRISTCHURCH Phone: (03) 348 8691

www.miteknz.co.nz

MITEK®

MITek New Zealand Ltd 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, Poles, Columns, Trusses if applicable (including fixings as specified) and building stability (including foundations) of the proposed building work.

The design has been prepared in accordance with AS/NZS 1170, NZS 3603, NZS 3604, approved documents of the NZ Building Code and the work is described on MiTek New Zealand Ltd drawings numbered FB34073A 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:

- The verification of the following design assumptions:
 - Importance Level 1. Design working Life 50 years i)
 - Light roof and no ceiling ii)
 - Modified High Wind Zone iii)
 - Snow Load sg = 0.9iv)
 - The structure is supporting on good ground- NZS 3604 Section 3, with a soil ultimate bearing capacity 300 kPa, øb =0.5.
- 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, including B2 - Durability.

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

On behalf of MiTek New Zealand Ltd

In Ling Na

Technical Services Manager BE (Hons), CPEng, IntPE

MIPENZ (ID: 146585)

Date: 3 / 08 / 15



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DESIGN INFORMATION - FARM BUILDING FB34073A

LOADS and TIMBER

- Poles: Poles, Outer Zone Density Normal 350 kg/m3 fb= 38 MPa, Pole taper 6mm per 1.0m length
- Purlins: Radiata Pine or Douglas Fir VSG8 / MSG8
- Girts: Radiata Pine or Douglas Fir VSG8 / MSG8
- Rafters: Radiata Pine or Douglas Fir VSG8 / MSG8
- Moisture content can be green. Our recommendation is 20% or less at time of installation.

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 documentation has 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 Wind Zone.
- Snow Loads building designed for sg= 0.9(calculated specifically for the job site in this documentation)
- Seismic Zone 2 (Annual Probability of Exceedance 1/100)
- Soil conditions ALL foundations to be into natural ground with a minimum bearing capacity of 300 kPa, Øb=0,5,

DESIGN LOAD REFERENCES

Compliance Document for the New Zealand Building Code Clause B1 Structure Amendment 8

NZS3603:1993 Amendment 4 **Cited Verification Method** Cited Acceptable Solution NZS3604 Amendment 2 AS/NZS 1170 Part 0: 2002 Cited Verification Method AS/NZS 1170 Part 1: 2002 Cited Verification Method AS/NZS 1170 Part 2: 2011 Cited Verification Method AS/NZS 1170 Part 3: 2003 Cited Verification Method ANSI/TPI1 - 2002 Alternative Solution

Rutledge Method

Alternative Solution - Footing Design for Cantilever Poles.

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

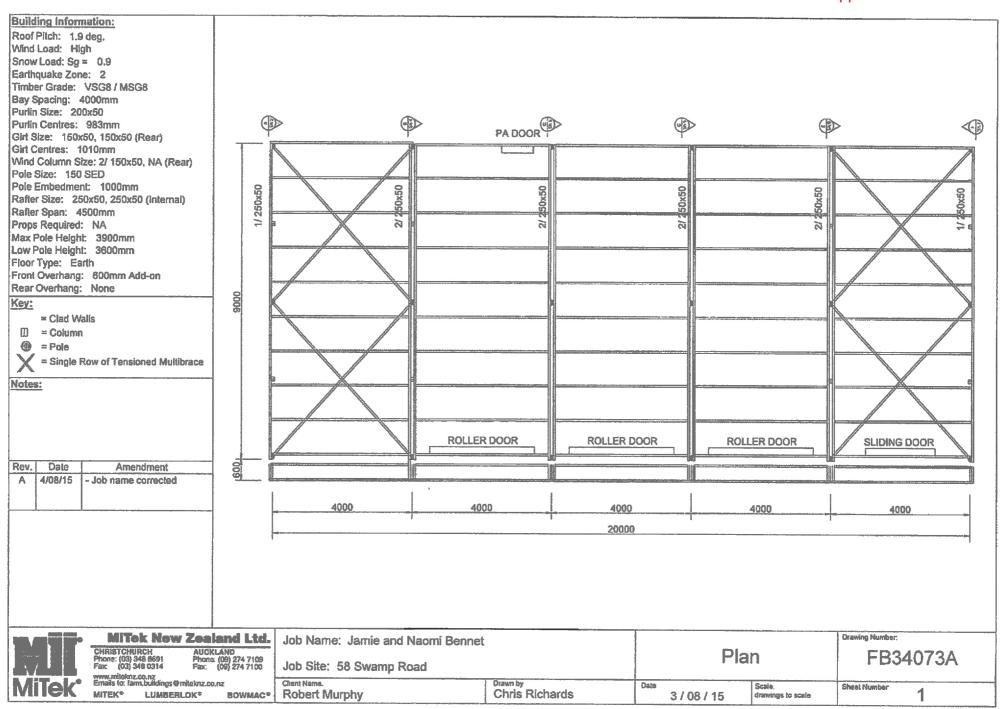
These drawings have been prepared using the above design loads. It is the responsibility of the user to ensure that the design data and loads are still correct at the time of construction.

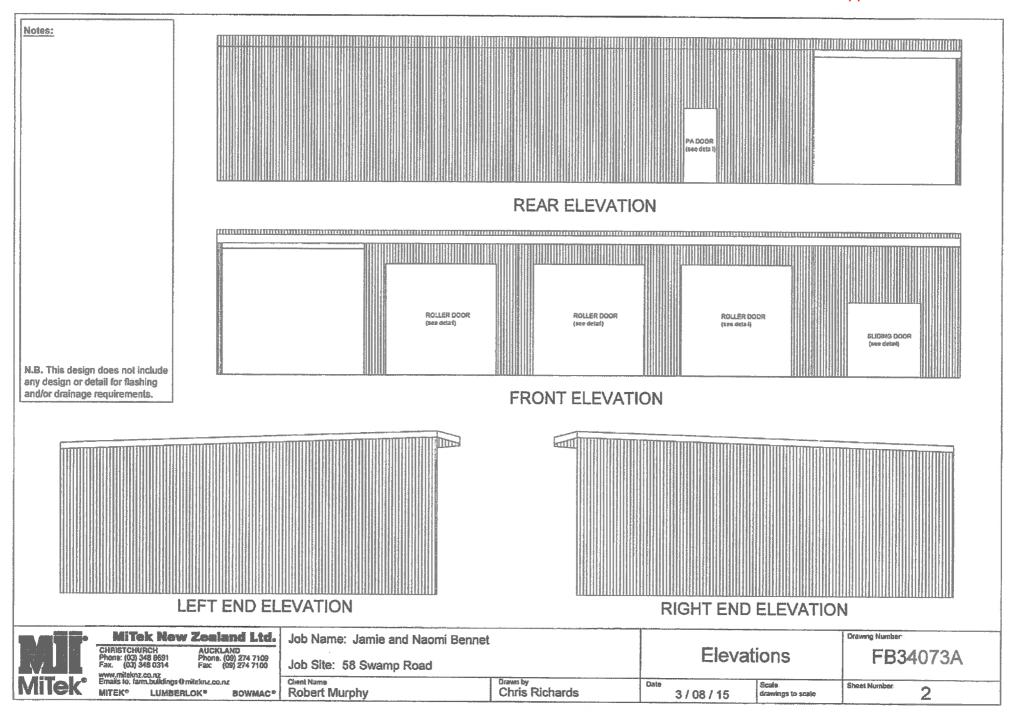
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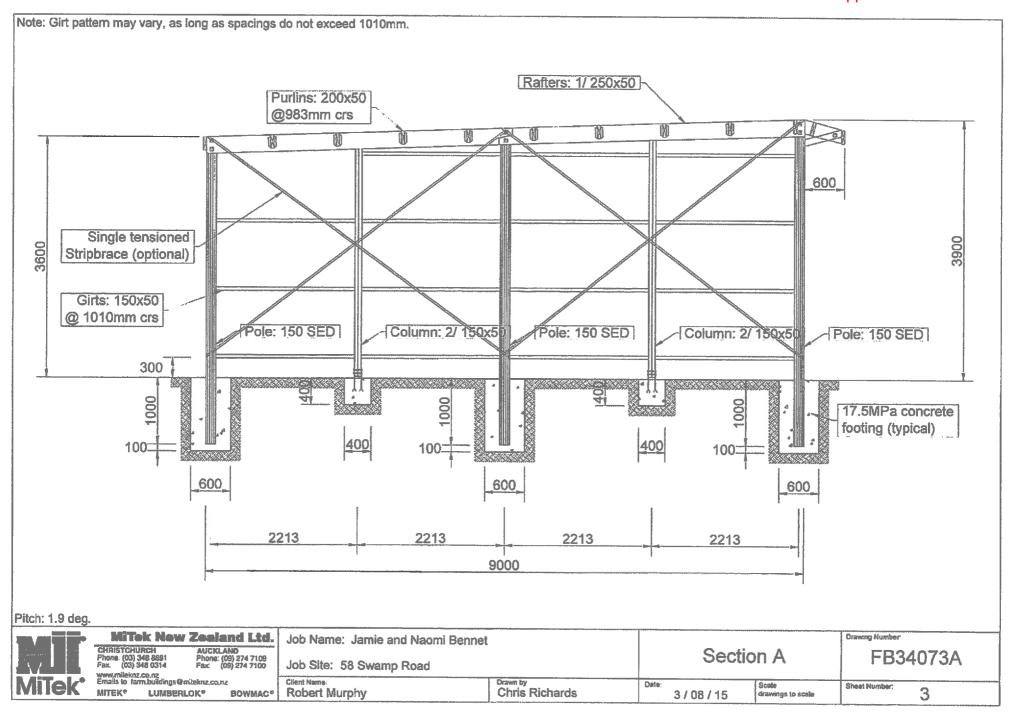
These details have been designed using specific MITEK®, LUMBERLOK® and BOWMAC®products and the performance of the building and validity of the Producer Statement is reliant on the correct choice of product.

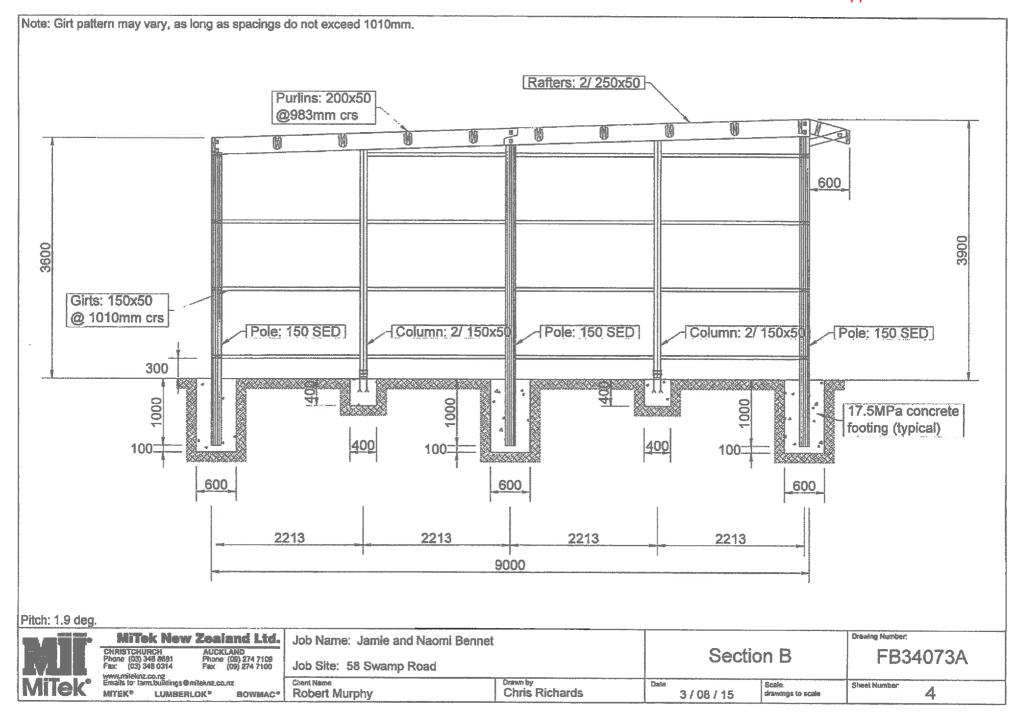
COPYRIGHT

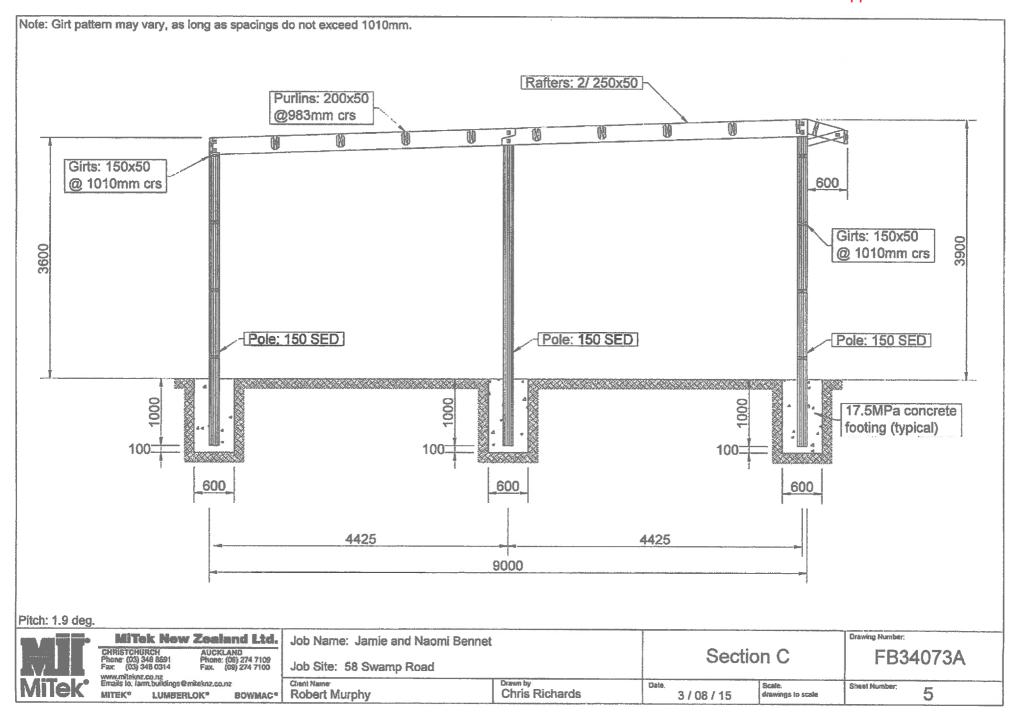
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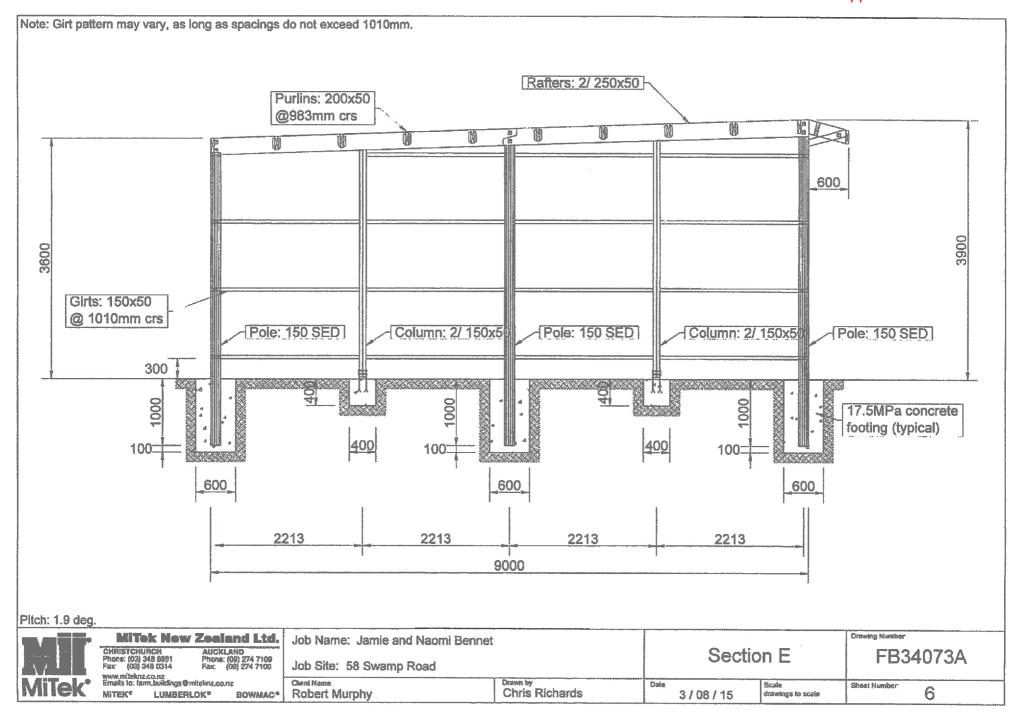


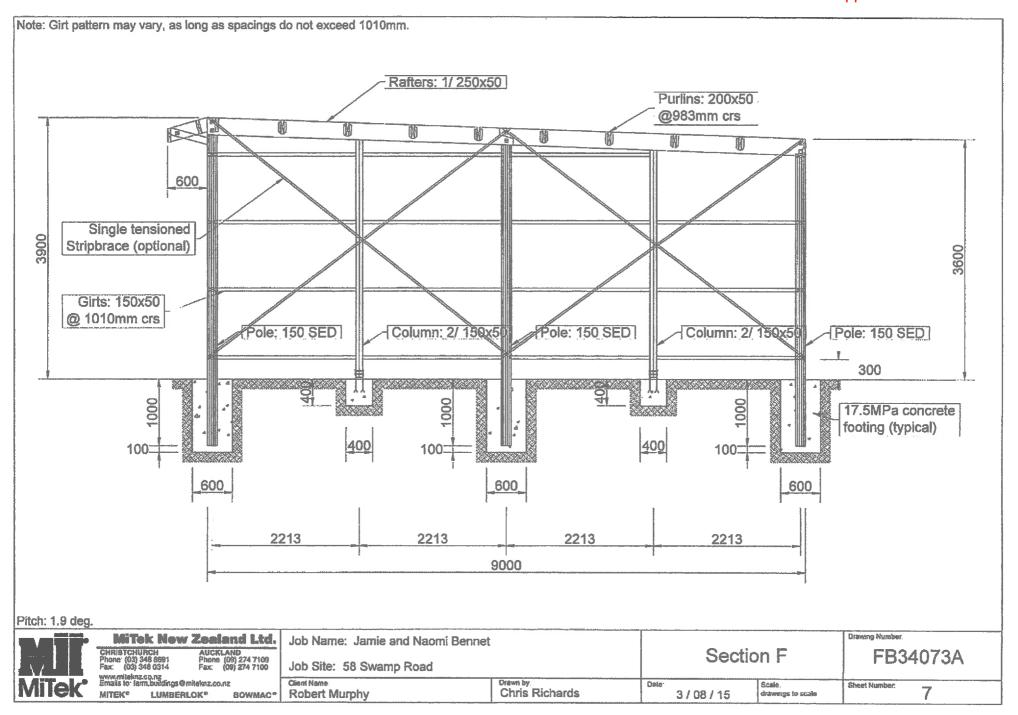


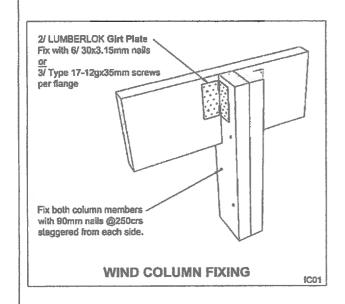


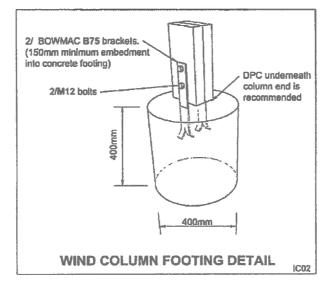


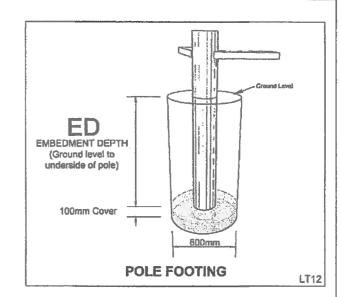


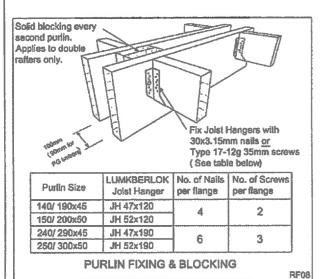


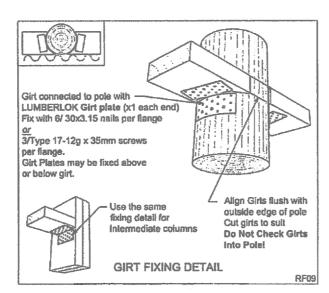


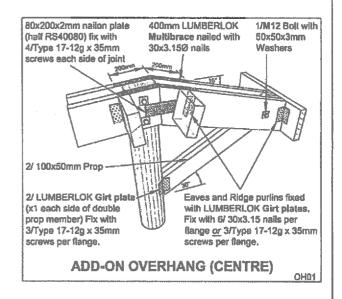














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Job Name: Jamie and Naomi Bennet

Job Site: 58 Swamp Road Client Name.

Robert Murphy

Drawn by Chris Richards

Date

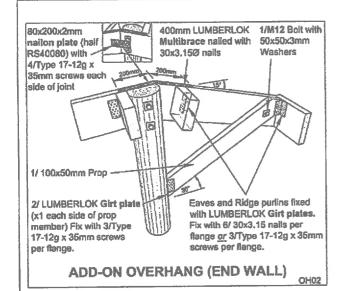
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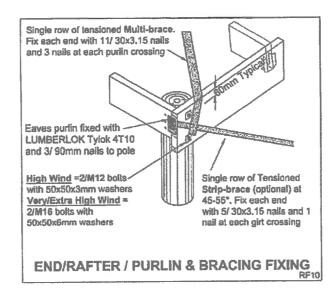
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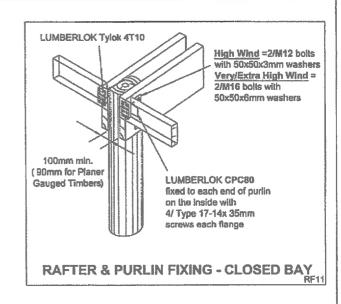
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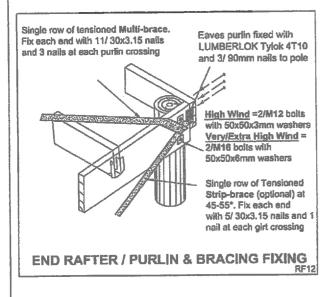
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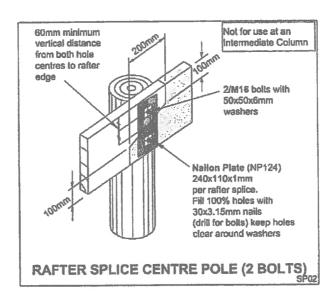
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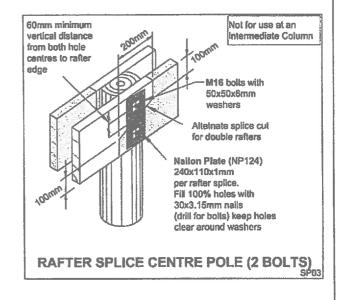








Drawn by





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BOWMAC*

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Robert Murphy

Chris Richards

Scale drawings to scale

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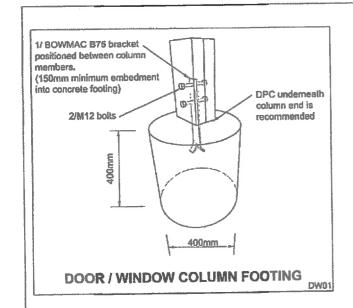
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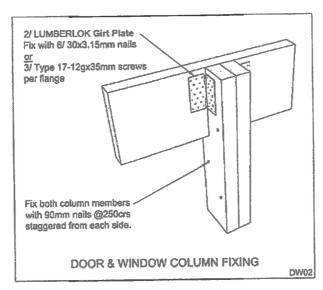
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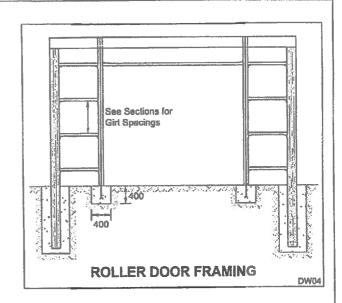
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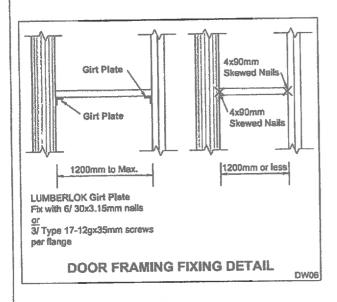
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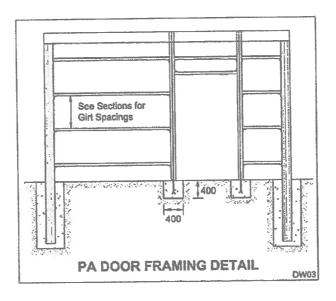
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Job Name: Jamie and Naomi Bennet

Job Site: 58 Swamp Road

Clent Name. Robert Murphy Drawn by Chris Richards **Details**

3 / 08 / 15

FB34073A

Sheet Number. 10 drawings to scale

Drawing Number:

FREEMAN ROOTING

Monday, August 03, 2015

To Whom It May Concern

PRODUCER STATEMENT

In response to a query from ITM Nelson, Freeman Roofing have no issue with providing the following product:

MATERIAL .40 Zincalume

PROFILE 5-Rib

PITCH 3 deg

LOCATION

58 Swamp Rd., Tasman. Jamie & Naomi Bennet properly.

Yours faithfully E R FREEMAN LTD

Gary Walton
gary@freemanroofing.co.nz
021 458 182

Shed Flashing Details

