COCHRANE TIMBER & TRUSSES
Halswell Junction Rd. Ph/Fax (03) 349 0383

Date: 30-04-2026
Ver 5.13.00

Fabricator / Designer Statement

Job Ref: **1955**

This statement may be used by the Building Consent Authority for compliance purposes and is issued by a licensed truss fabricator using Pryda Build software.

CLIENT Name: *I Shephard Homes Ltd*

SITE Details:

Address : *Lot 61 115 Solihull Drive*
Rolleston

City:

Post Code:

Nominal Design Criteria:

Design working life: 50 years
Building importance: Residential (Importance Level 2)
Roofing: Longrun (6.0 kg/sq.m)
Ceiling: 13mm Gib-board (8.5 kg/sq.m)
Top chord purlins: 900 mm

BC restraints: Battens at 600 mm crs
Standard truss spacing: 900 mm
Standard roof pitch: 18.50 deg.
Ult. design wind speed: 44 m/s (wind classification = High)

Max. eaves height: 3 m
Max. ridge height: 8 m

Int pressure coeff. up: 0.2
Overhang Condition: Metal fascia

Design roof snow load: 520 Pa
(incl. probability factor)
Ground snow load: 900 Pa
Location: Region N4 - Canterbury
Altitude above sea level: 100 m

The design criteria inputs used by Pryda Build software is the responsibility of the fabricator.

Note: Where relevant, a structural fascia beam is required at all hip and dutch hip corners to support creeper/rafter overhangs, as shown in AS 4440-2004

Note: This Producer Statement shall be read in conjunction with the Roof truss layout and detail sheets.

Note: Some trusses in this job support ceiling materials that are different to this nominal data (see individual truss detail sheets).

Note: The Structural Timber products supplied for Roof in this building stores approximately '670' kg of carbon.

Truss and connection designs listed in the Producer Statement have been designed using Pryda design software.

All trusses have been manufactured in accordance with the fabrication specifications provided by Pryda, and shall be installed, connected and braced in accordance with the recommendations given in - : AS 4440-2004 "Installation of nailplated timber roof trusses" and any other supplementary details that may be provided, such as the Pryda Installation Guides.

Timber verification and grading values are in accordance with clause B1 and timber treatment in accordance with clause B2 of the New Zealand Building Code.

I/we confirm that the trusses for this project have been manufactured in accordance with the fabrication specifications provided by Pryda New Zealand.

Name: Andrew Cochrane Position: Truss Manager

Signed: Date: 30-04-2026

COCHRANE TIMBER & TRUSSES
Halswell Junction Rd. Ph/Fax (03) 349 0383

Date: 30-04-2026
Ver 5.13.00

Producer Statement - PS1 - Design

Job Ref: **1955**

This producer statement applies to the structural engineering design software "Pryda Build" supplied by Pryda NZ to

COCHRANE TIMBER & TRUSSES

These truss designs are in accordance with sound and widely accepted engineering principles. I believe on reasonable grounds that if constructed in accordance with the design, the trusses will comply with relevant requirements of the New Zealand Building Code, Clause B1 and Verification Method B1/VM1. The durability shall comply with the New Zealand Building Code, Clause B2, for building Importance Level 2 and a design working life of 50 years.

In addition to the above, this software also complies in part with:

ANSI / TPI 1 - 2002 National Design Standard for metal plate connected wood truss construction.

AS 1649 - 2001 Timber - Methods of test for mechanical fasteners and connectors - Basic working loads and characteristic strengths.

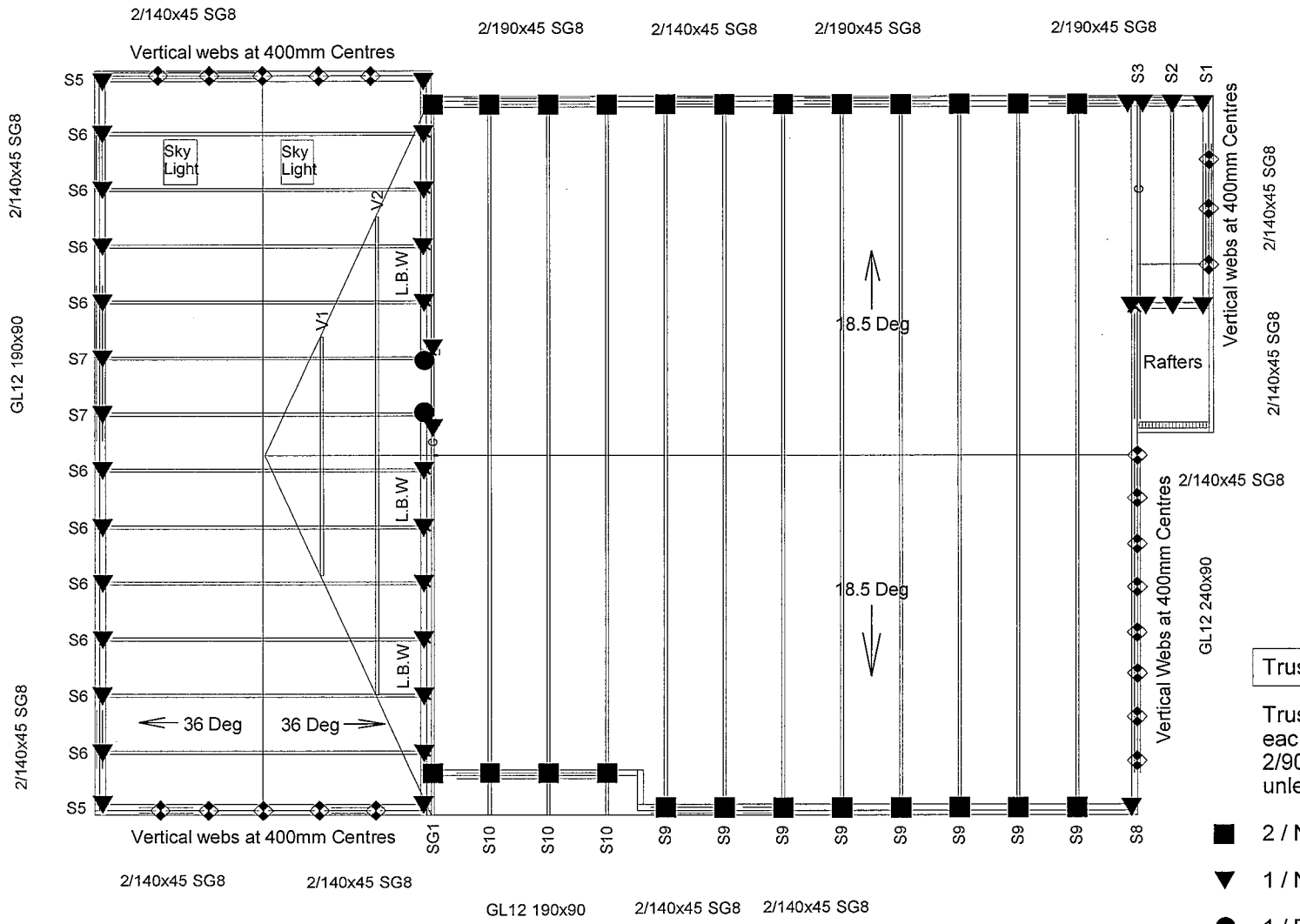
The truss designs require that the supporting structure is stable in its own right, and that the trusses will be braced in accordance with the New Zealand Building Code Standard NZS 3604:2011, and any supplementary details provided, including but not limited to Pryda Installation Guides.

Pryda NZ holds a current policy of Professional Indemnity Insurance with cover no less than NZ$2 million. The policy includes the engineering design processes used in the software.

On behalf of Pryda NZ (a division of ITW New Zealand)



Dr. Kristopher Orlowski
Structural Engineer
BSc (Eng), MEng, DR-PHILENG, CPEng AUS (4125476), CPEng NZ (2001879)



AS BUILT

Truss Connections

Trusses need to be fixed at each timber support with 2/90x3.15 dia skew nails unless otherwise noted.

- ■ 2 / NPPC4 Purlin Cleats
- ▼ 1 / NPPC4 Purlin Cleat
- ● 1 / FB45-90 Framing Bracket
- ◆ 1 / SBS 300 strap

pryda

Customer : I Shephard Homes Ltd
Site Address : Lot 61 115 Solihull Drive
: Rolleston

BC 260549

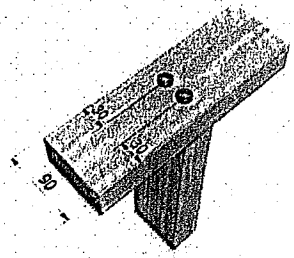
Roofing	: Longrun
Pitch	: 18.50 Deg. 36.00 Deg.
Spacing	: 900
Design Wind Velocity	: 44.00 m/s (Ult.)
Detailer	: <None>

Job Ref 1955
Scale
Level

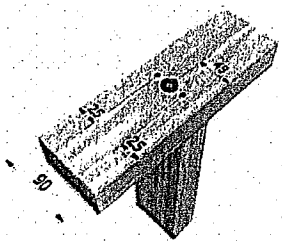
TOP PLATE TO STUD FIXING GUIDE

ALTERNATIVE SOLUTION TO NZS3604:2011 TABLE 8.18

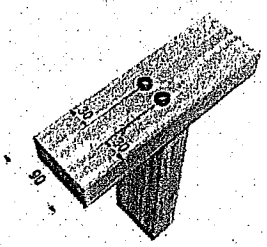
It is proposed that Pryda Strap nails and Pryda Concealed Cleats be preferred as opposed to Pryda Z and U nails for ease of fixing and to lessen interference with the cladding.



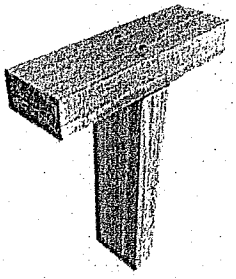
TP3*
6.0kN



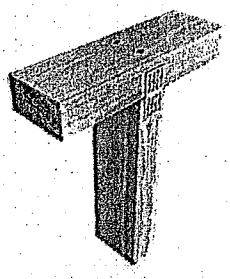
TP3
4.7kN



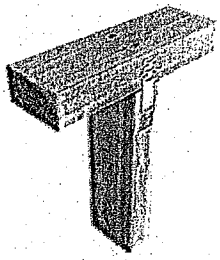
TP3*
6.0kN



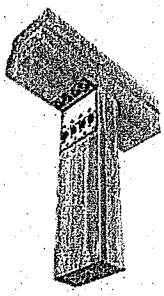
TPO
0.7kN



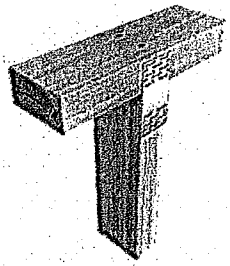
TP1
1.7kN



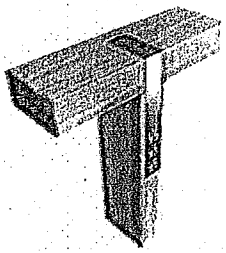
TP2
2.5kN



TP3*
6.0kN



TP3
4.7kN

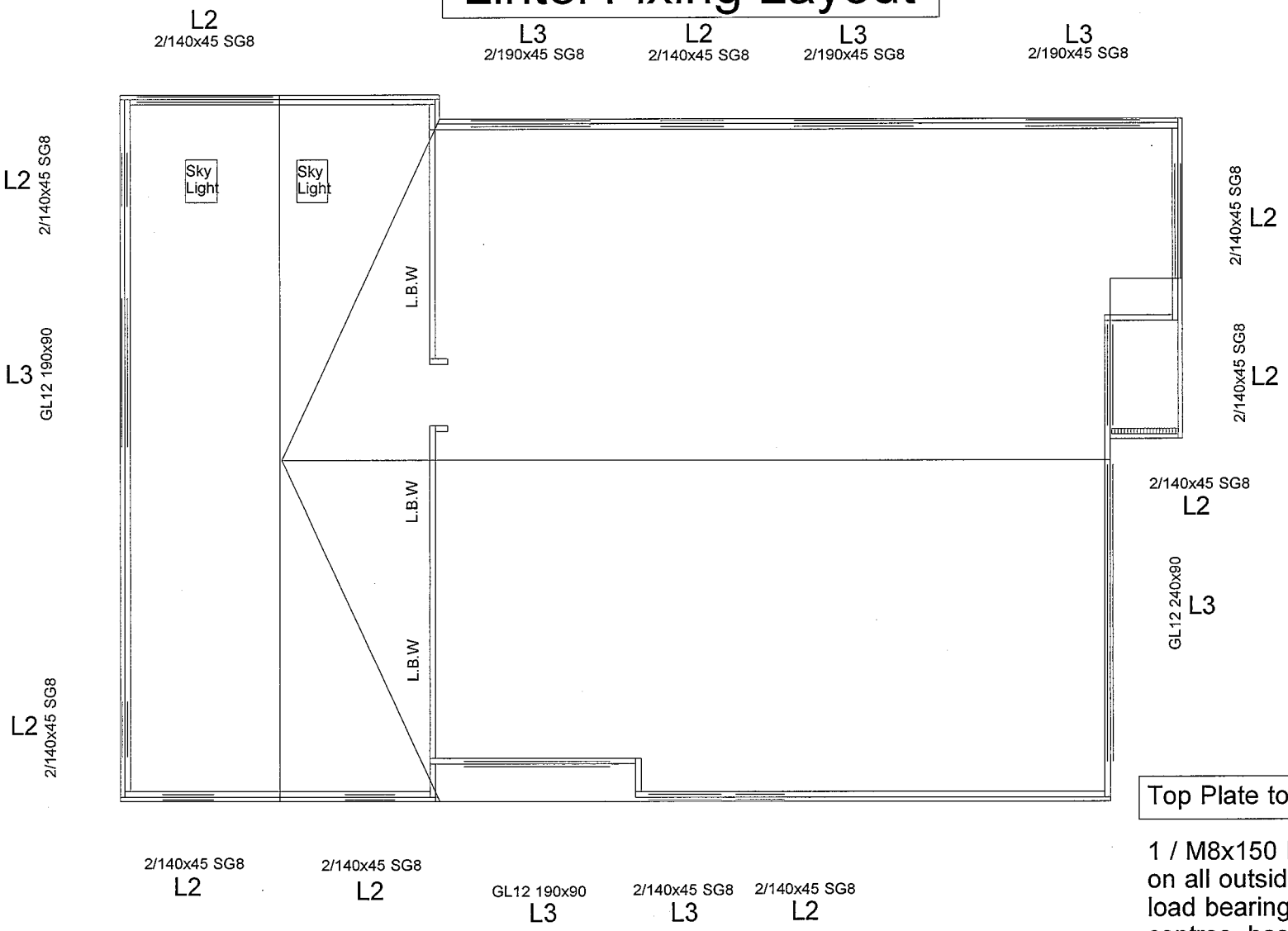


TP3*
6.0kN

Minimum Top Plate to Stud Joint Fixing Table for roof member 600, 900 & 1200 Centres										
Loaded Dimension (m)	Light Weight Roof Wind Zone					Heavy Weight Roof Wind Zones				
	L	M	H	VH	EH	L	M	H	VH	EH
2.0	TPO	TPO	TP1	TP2	TP3	TPO	TPO	TPO	TP1	TP2
3.0	TPO	TP1	TP2	TP3	TP3	TPO	TPO	TP1	TP2	TP3
4.0	TPO	TP2	TP3	TP3	TP3	TPO	TPO	TP2	TP3	TP3
5.0	TP1	TP2	TP3	TP3	TP3	TPO	TPO	TP2	TP3	TP3
6.0	TP2	TP3	TP3	TP3	TP3	TPO	TPO	TP3	TP3	TP3

TP3	4.7kN	2 x End Nails + SN50L Strap nail OR 1 x WM8150PS OR 1 x WM8175PS

Lintel Fixing Layout



Top Plate to Stud Fixing

1 / M8x150 Pryda stud screw on all outside walls and internal load bearing walls at 600mm centres, has been done by the frame fabricator.

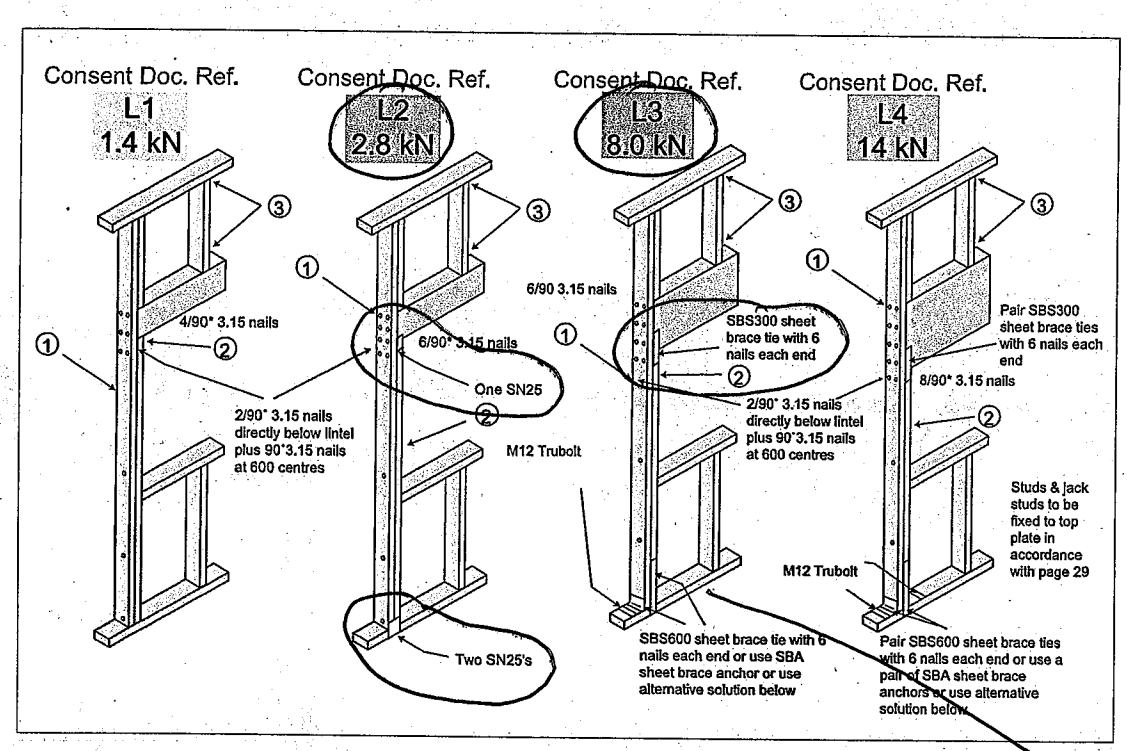
pryda

Customer : I Shephard Homes Ltd Site Address : Lot 61 115 Solihull Drive : Rolleston	BC 260549	Roofing : Longrun Pitch : 18.50 Deg. 36.00 Deg. Spacing : 900 Design Wind Velocity : 44.00 m/s (Ult.) Detailer : <None>	Job Ref 1955 Scale Level

Cochrane Timber and Trusses Ltd
750 Halswell Junction Road
P O Box 16642
Hornby
CHRISTCHURCH 8441

Lintel Fixing Schedule

Acceptable solutions in conjunction with tables 8:14 & Fig 8:12 of NZS3604:2011

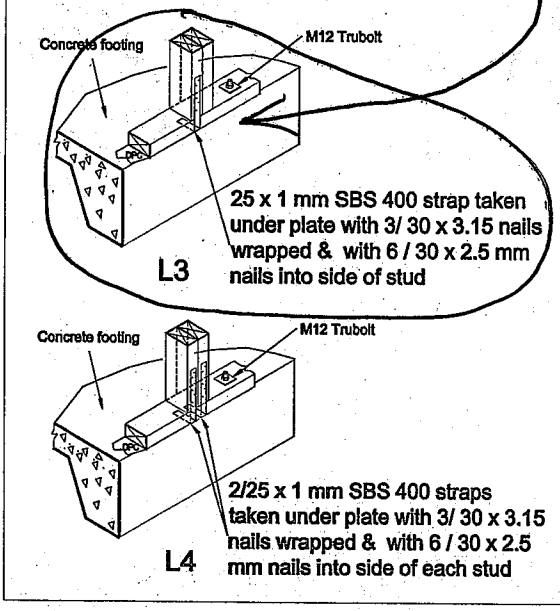


1. For trimming stud thickness refer to Table 8.5 NZS 3604:2011. Additional studs to that shown to have a minimum stud to stud fixing of 11/90*3.15 nails.

2. Where a double stud which provides support for a lintel is shorter by 400mm or more than the full stud height, its thickness shall not be included as contributing to the thickness of trimming studs.

3. Studs & jacks to be fixed to top plate in accordance with the Pryda Wallplate to Stud Joint Fixing Guide.

Alternative solution for L3 & L4 SBS use



All capacities are limit state design values and not characteristic strength therefore these may be compared directly to Pryda design software output. Capacitities assume a minimum timber grade of SG8.