

Producer Statement

Job Ref: 16-1021

Truss Design Criteria**CLIENT Name:** *Pine Timber (Acc 1)***SITE Details:**Address : BERT FARINA CONSTRUCTION
147 MARION ROAD, RICHMOND

City: ADELAIDE

Post Code: 5033 State: S.A.

Nominal Design Criteria:Building importance: Residential (Importance Level 2)
Roofing: Sheet steel (0.48mm) (5.6 kg/sq.m)
Ceiling: 10mm plasterboard (7.2 kg/sq.m)
Top chord battens: 1200 mmBC restraints: Direct (nail/screw restraint) at 600 mm crs
Standard truss spacing: 1200 mm
Standard roof pitch: 60.00 deg.
Ult. design wind speed: 40 m/s (wind classification = N2)
Max. eaves height: 6 m
Max. ridge height: 8 m
Int pressure coeff. up: 0.2
Overhang Condition: Metal fascia

Imposed floor loads: 1.5 kP , 1.8 kN

Note : Where relevant, a structural fascia beam is required at all hip and dutch hip corners to support the short creeper/rafter overhangs, as shown in AS4440-2004

Note: Ceiling lining must be fixed to the bottom chords of trusses with nails or screws at maximum 600 mm centres.

Note: This statement must be read in conjunction with the truss layout and detail sheets.

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

Compliance:

The truss designs for this job have been determined using computer software provided by Pryda Australia, using sound and widely accepted engineering principles. In particular, loadings and designs are performed in accordance with the Standards adopted by primary reference in the National Construction Code (NCC 2015), Volume One, Specification A1.3 and Volume Two, Part 1.4.

In addition, the following secondary referenced Australian Standards also apply:

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

The software used in the preparation of these designs complies with the requirements in the ABCB "Protocol for Structural Software" (Version 2011.1), where applicable. A copy of the Compliance Document referenced therein is held at the Pryda office in Melbourne, Australia, and is available for examination by approval authorities and other building practitioners if required.

The person signing this Statement has been trained in the use of this software (Training certificate ID:PB4R100069).

All trusses shall be manufactured in accordance with the fabrication specifications provided by Pryda, and installed, connected and braced in accordance with the recommendations given in - : AS4440:2004 "Installation of nailplated timber roof trusses" and any other supplementary details that may be provided, such as the Pryda Installation Guides.

All truss designs and their connections have been designed using Pryda design software. Additional items such as roof/ceiling plane bracing, special notes, supplementary timber, etc., which may be shown on the plan drawings are the responsibility of others.

Name: Adam_Kozioł

Position: Estimator / Detailer

Signed: 

Date: 29-05-2017

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Note 1: All timber framing nails are machine-driven, glue coated, or annular/helical deformed shank.
Use specified fixings with Pryda connectors as noted.

Tie-downs to walls/beams:

All trusses need to be fixed at each timber support with 2 / 65x2.8 dia Skew Nails

J2	3	87	1/SB083/30	JD5	90	JD4	-1.72
MTG1	3	367	1/SB083/30	JD5	90	JD4	-5.22
MTS1	3	367	1/SB083/30	JD5	90	JD4	-0.53
N1	15	12815	1/SB083/30	JD5	90	JD4	-4.68
	3	367	1/SB083/30	JD5	90	JD4	-4.25
N10	10	10349	1/SB083/30	JD5	90	JD4	-4.27
	4	1284	1/SB083/30	JD5	90	JD4	-4.88
N11	11	10349	1/SB083/30	JD5	90	JD4	-4.39
	4	1284	1/SB083/30	JD5	90	JD4	-4.04
N12	11	10349	1/SB083/30	JD5	90	JD4	-4.39
	4	1284	1/SB083/30	JD5	90	JD4	-4.04
N13	11	10349	1/SB083/30	JD5	90	JD4	-3.97
	4	1284	1/SB083/30	JD5	90	JD4	-3.81
N14	11	10349	1/SB083/30	JD5	90	JD4	-3.98
	4	1284	1/SB083/30	JD5	90	JD4	-3.81
N15	11	10349	1/SB083/30	JD5	90	JD4	-4.39
	4	1284	1/SB083/30	JD5	90	JD4	-4.02
N16	11	10349	1/SB083/30	JD5	90	JD4	-4.36
	4	1284	1/SB083/30	JD5	90	JD4	-4.00
N17	11	10349	1/SB083/30	JD5	90	JD4	-4.36
	4	1284	1/SB083/30	JD5	90	JD4	-4.00
N18	11	10349	1/SB083/30	JD5	90	JD4	-4.39
	4	1284	1/SB083/30	JD5	90	JD4	-4.04
N19	2	320	1/SB083/30	JD5	90	JD4	-4.28
	8	9385	1/SB083/30	JD5	90	JD4	-4.87
N2	10	7399	1/SB083/30	JD5	90	JD4	-3.18
	3	367	1/SB083/30	JD5	90	JD4	-2.36
N20	5	4138	1/SB083/30	JD5	90	JD4	-2.51
N21	5	4138	1/SB083/30	JD5	90	JD4	-2.66
N22	5	4173	1/SB083/30	JD5	90	JD4	-2.53
N23	5	4173	1/SB083/30	JD5	90	JD4	-2.54
N3	12	12815	1/SB083/30	JD5	90	JD4	-4.71
	3	367	1/SB083/30	JD5	90	JD4	-4.28
N4	3	367	1/SB083/30	JD5	90	JD4	-1.82
N5	12	12815	1/SB083/30	JD5	90	JD4	-3.15
	3	367	1/SB083/30	JD5	90	JD4	-2.96
N6	11	12815	1/SB083/30	JD5	90	JD4	-4.92
	3	367	1/SB083/30	JD5	90	JD4	-4.74
N7	3	367	1/SB083/30	JD5	90	JD4	-1.81
N8	1	-	1/SB083/30	JD5	90	JD4	-1.32
N9	1	-	1/SB083/30	JD5	90	JD4	-2.34
NG1	1	-	1/SB083/30	JD5	90	JD4	-3.17
	2	896	1/SB083/30	JD5	70	JD4	-3.94
	3	1625	1/SB083/30	JD5	70	JD4	-4.57
	4	3334	1/SB083/30	JD5	90	JD4	-2.94
NG10	11	10349	1/SB083/30	JD5	90	JD4	-6.37
	4	1284	2/SB083/30	JD5	90	JD4	-6.84
NG11	11	10349	1/SB083/30	JD5	90	JD4	-6.37
	4	1284	2/SB083/30	JD5	90	JD4	-6.83
NG2	1	-	1/SB083/30	JD5	90	JD4	-4.51
NG4	12	12815	2/SB083/30	JD5	90	JD4	-7.80
	3	367	2/SB083/30	JD5	90	JD4	-6.49
NG5	12	12815	2/SB083/30	JD5	90	JD4	-7.82
	3	367	2/SB083/30	JD5	90	JD4	-6.52
NG6	11	10349	2/SB083/30	JD5	90	JD4	-6.59
	4	1284	2/SB083/30	JD5	90	JD4	-7.02
NG7	11	10349	1/SB083/30	JD5	90	JD4	-6.09
	4	1284	2/SB083/30	JD5	90	JD4	-6.73
NG8	12	12815	1/SB083/30	JD5	90	JD4	-6.37
	3	367	1/SB083/30	JD5	90	JD4	-5.51
NG9	12	12815	2/SB083/30	JD5	90	JD4	-7.83
	3	367	2/SB083/30	JD5	90	JD4	-6.53
PCG1	1	-	1/SB083/30	JD5	90	JD4	-4.71
	2	750	2/SB083/30	JD5	70	JD4	-7.71
	3	2251	2/SB083/30	JD5	70	JD4	-8.54
	4	3751	1/SB083/30	JD5	70	JD4	-6.78
	5	4501	1/QHS6wr	OTH	90	JD4	-3.91
PCG10	1	-	1/SB083/30	JD5	90	JD4	-0.64
	2	1087	1/SB083/30	JD5	70	JD4	-6.09
	3	2173	1/SB083/30	JD5	90	JD4	-2.41
S2	4	1284	1/SB083/30	JD5	90	JD4	-2.22
S3	4	1284	1/SB083/30	JD5	90	JD4	-2.23

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Primary connections (truss to girder):

<i>Truss Marks</i>			<i>Fixing Details</i>	
<i>Girder</i>	<i>Supported</i>	<i>Connector</i>	<i>Girder</i>	<i>Supported</i>
NG1	MTG1	TB35/12	8/12g-11x35 screws	12/12g-11x35 screws
	MTS1	TB35/12	8/12g-11x35 screws	12/12g-11x35 screws
	N7	TB35/12	8/12g-11x35 screws	12/12g-11x35 screws
NG10	PCG8	TB35/12	8/12g-11x65 screws	12/12g-11x35 screws
	PCG9	TB35/12	8/12g-11x65 screws	12/12g-11x35 screws
NG11	PCG8	TB35/12	8/12g-11x65 screws	12/12g-11x35 screws
	PCG9	TB35/12	8/12g-11x65 screws	12/12g-11x35 screws
NG2	S1	TB35/12	8/12g-11x35 screws	12/12g-11x35 screws
NG4	PCG2	TB35/12	8/12g-11x65 screws	12/12g-11x35 screws
	PCG3	TB35/12	8/12g-11x65 screws	12/12g-11x35 screws
NG5	PCG2	TB35/12	8/12g-11x65 screws	12/12g-11x35 screws
	PCG3	TB35/12	8/12g-11x65 screws	12/12g-11x35 screws
NG6	PCG6	TB35/12	8/12g-11x65 screws	12/12g-11x35 screws
	PCG7	TB35/12	8/12g-11x65 screws	12/12g-11x35 screws
NG7	PCG6	TB35/12	8/12g-11x65 screws	12/12g-11x35 screws
	PCG7	TB35/12	8/12g-11x65 screws	12/12g-11x35 screws
NG8	PCG4	TB35/12	8/12g-11x65 screws	12/12g-11x35 screws
	PCG5	TB35/12	8/12g-11x65 screws	12/12g-11x35 screws
NG9	PCG4	TB35/12	8/12g-11x65 screws	12/12g-11x35 screws
	PCG5	TB35/12	8/12g-11x65 screws	12/12g-11x35 screws
PCG1	M1	TB35/12	8/12g-11x35 screws	12/12g-11x35 screws
PCG10	N8	TB35/12	8/12g-11x35 screws	12/12g-11x35 screws
	NG2	TB35/12	8/12g-11x35 screws	12/12g-11x35 screws
PCG2	N4	TB35/12	8/12g-11x35 screws	12/12g-11x35 screws
PCG3	N9	TB35/12	8/12g-11x35 screws	12/12g-11x35 screws
PCG4	N9	TB35/12	8/12g-11x35 screws	12/12g-11x35 screws
PCG5	N4	TB35/12	8/12g-11x35 screws	12/12g-11x35 screws
PCG6	N20	TB35/12	8/12g-11x35 screws	12/12g-11x35 screws
	N21	TB35/12	8/12g-11x35 screws	12/12g-11x35 screws
PCG7	S2	TB35/12	8/12g-11x35 screws	12/12g-11x35 screws
PCG8	S3	TB35/12	8/12g-11x35 screws	12/12g-11x35 screws
PCG9	N22	TB35/12	8/12g-11x35 screws	12/12g-11x35 screws
	N23	TB35/12	8/12g-11x35 screws	12/12g-11x35 screws

Secondary fixings (hip & gable ends, valleys):

All trusses are to be fixed at each support with the following:

Hip truss to truncated girder	3 face nails, bottom chords
Jack truss to truncated girder	3 skew nails or back face nails, bottom chords
Creeper truss to hip truss	3 face nails, top and bottom chords
Top chord extensions	2 skew nails
Valley trusses	1 skew nail
Outriggers	2 skew nails

All additional connections are as follows:

<i>Supporting Truss</i>	<i>Supported Truss</i>	<i>Top Chord</i>	<i>Bottom Chord</i>
MTG1	J1	1/MG	-
	J2	1/MG	-

Fixing Summary:

<i>Connector</i>	<i>Description</i>	<i>Total</i>	<i>Fixing Method (per connector)</i>	
Primary			<i>Girder</i>	<i>Supported Truss</i>
TB35/12	Truss boot	32	8/12g-11x35 screws	12/12g-11x35 screws
TB35/12	Truss boot	16	8/12g-11x65 screws	12/12g-11x35 screws
Secondary			<i>Supporting Truss</i>	<i>Supported Truss</i>
MG	Multigrip	5	6/35x3.15d nails	4/35x3.15d nails

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Tiedown***Support******Truss***

QHS6wr	Cyclone strap 600 wrapped around	1	10/35x3.15d nails	1/35x3.15d nails
SB083/30	Strapbrace (4 nails per leg)	110	8/35x3.15d nails	1/35x3.15d nails