

Producer Statement

Job Ref: **Gawler3-N3**

Truss Design Criteria

CLIENT Name:

SITE Details:

Address :	
City:	
Post Code:	State:

Nominal Design Criteria:

Building importance: Residential (Importance Level 2)
Roofing: Sheet steel (0.48mm) (5.6 kg/sq.m)
Ceiling: 13mm plasterboard (8.5 kg/sq.m)
Top chord purlins: 900 mm

BC restraints: Battens at 600 mm crs

Standard truss spacing: 1200 mm

Standard roof pitch: 15.00 deg.

Ult. design wind speed: 50 m/s (wind classification = N3)

Max. eaves height: 3 m

Max. ridge height: 8 m

Int pressure coeff. up: 0.2

Overhang Condition: Full structural fascia

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

Note: The Structural Timber products supplied in this building stores approximately '210' kg of carbon.

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 2019), Part A4.0 and Schedule 4 of Volume One and Two.

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 2011.2), 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.

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: Dennis Scutt

Position: Manager-Owner

Signed: _____

Date: 20-09-2022

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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:

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

All additional tie-downs are as follows:

<i>Truss Mark</i>	<i>Sup No.</i>	<i>Distance</i>	<i>Fixing</i>	<i>Support</i>		<i>Truss</i>		<i>Fixing Details</i>
				<i>Jt Grp</i>	<i>Width</i>	<i>Jt Grp</i>	<i>Uplift (kN)</i>	
M1	1	-	1/MG	JD4	90	JD5	-2.24	6/35x3.15d nails, 4/35x3.15d nails
	4	3780	1/MG	JD4	90	JD5	-1.81	6/35x3.15d nails, 4/35x3.15d nails
M2	1	-	2/MG	JD4	90	JD5	-4.05	6/35x3.15d nails, 4/35x3.15d nails
	4	3780	1/MG	JD4	90	JD5	-3.28	6/35x3.15d nails, 4/35x3.15d nails
M3	1	-	1/MG	JD4	90	JD5	-1.73	6/35x3.15d nails, 4/35x3.15d nails
	4	3780	1/MG	JD4	90	JD5	-1.82	6/35x3.15d nails, 4/35x3.15d nails
M4	1	-	1/MG	JD4	90	JD5	-3.13	6/35x3.15d nails, 4/35x3.15d nails
	4	3780	1/MG	JD4	90	JD5	-3.29	6/35x3.15d nails, 4/35x3.15d nails

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

Fixing Summary:

<i>Connector</i>	<i>Description</i>	<i>Total</i>	<i>Fixing Method (per connector)</i>	
<i>Tiedown</i>				
			<i>Support</i>	<i>Truss</i>
MG	Multigrip	68	6/35x3.15d nails	4/35x3.15d nails