Minimum Approach Distances Near 110kV Transmission Lines on Towers (Pylons)

This diagram is for quick reference only and does not contain all safe distance requirements for all activities near 110kV transmission lines.
For further details on safe distance requirements please refer to the mandatory New Zealand Electrical Code of Practice 34 2001 (NZECP:34), available from the Energy Safety Service web site **http://www.ess.govt.nz/rules/pdf/nzecp34_2001.pdf** or contact **Transpower ph. 0800 843 474**

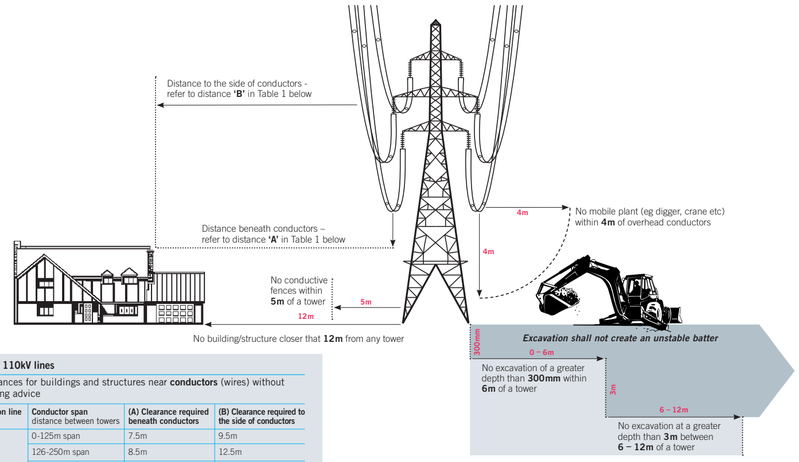


Table 1 – 110kV lines

Safe distances for buildings and structures near **conductors** (wires) without engineering advice

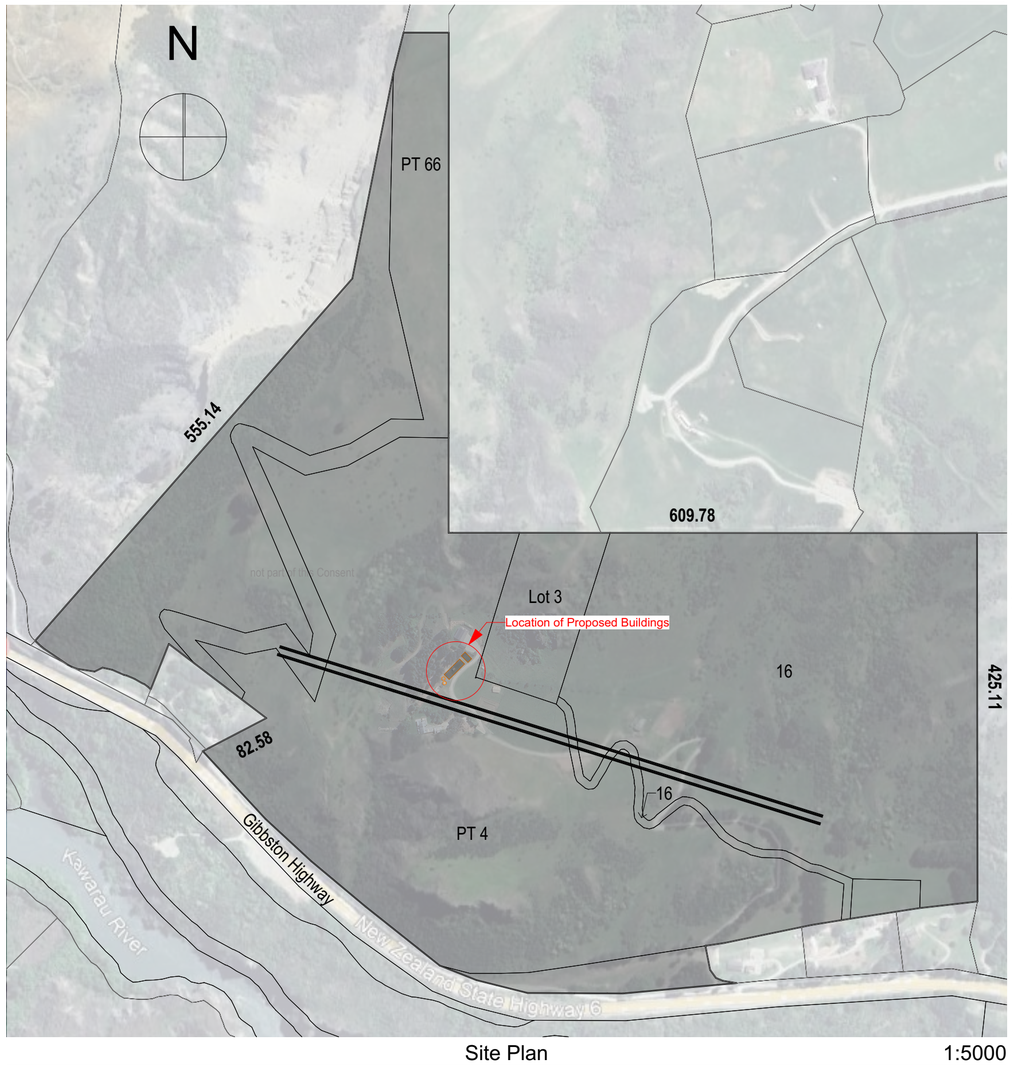
Transmission line voltage	Conductor span distance between towers	(A) Clearance required beneath conductors	(B) Clearance required to the side of conductors
110kV	0-125m span	7.5m	9.5m
	126-250m span	8.5m	12.5m
	251-375m span	10m	21m
	375m span or greater	Engineering advice required	

Note: NZECP:34 allows for reduced distances from conductors where a detailed engineering assessment has been carried out. Please check with Transpower for advice on this allowance.

Drawing not to scale

DIMENSIONS TO TRANSMISSION LINES ARE APPROXIMATE ONLY AND BASED ON A TRANSPOWER GENERAL SAFE DISTANCE GUIDE.

AN APPROVED ENGINEER TO CONFIRM ALL DISTANCES AND CLEARANCES TO THE TRANSMISSION LINES AND CONDUCTORS



Site Plan 1:5000



Site Plan 1:500

SITE IDENTIFICATION

Legal Description:	Refer to Record of Title 1026417
District Council:	Queens Town Lake District Council

ZONES

Wind:	Extra High
Durability:	Zone B
Earthquake:	Zone 2
Climate:	6
Snow Loading:	N5
Wind Region:	A

SITE COVERAGE

Section Size:	51.5888 ha

RevID	ChID	Revision	Date
01 - WIP	BC1	Wood Shed Building Consent	Work in Progress

Work in Progress

GENERAL NOTES

DIMENSIONS NOTED ON DESIGNER'S DRAWINGS ARE FROM STRUCTURAL SURFACES / MATERIALS AND NOT FINISHES, UNLESS OTHERWISE INDICATED.
Wherever possible the specialist contractor is to advise the Designer with regards to better fabrication and detailing alternatives prior to manufacture.

The Contractor is responsible for the correct setting out of the building on site with particular reference to boundaries and building lines. Boundary pegs are to be located, and all relevant levels, dimensions, and setting out points are to be verified on site against information provided by the Designer prior to any work commencing and any discrepancies are to be brought to the attention of the Designer.
The Contractor to verify and confirm all measurements, dimensions, and heights with the Designer prior to construction.

Details take precedent over other working drawings; any and all discrepancies between the two must be raised with the Designer. Large scale details to be used where available.
All dimensions are given in millimeters unless otherwise noted. Figured dimensions to be used as preference to scaled dimensions.

Where available, Engineer's drawings are to be read in conjunction with Designer's documentation, any discrepancies to be reported to the Designer.

The Designer accepts no responsibility for errors resulting from misinterpretation of the drawings.

ALL SITE PLAN DIMENSIONS ARE APPROXIMATE ONLY. EXACT LOCATIONS TO BE CONFIRMED ON SITE

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Proposed New Dwelling
for
Neil Smith
1631 Gibbston Highway, Gibbston
Refer to Record of Title 1026417

Site - Building Consent

Date:	2025/08/29
Draftsman:	ZM
LBP (Design):	TF
Project No:	1159

Layout ID: A101

Layout Name: Site Bulk and Location
1:500, 1:5000

Revision ID: 01 - WIP

The Contractor to verify and confirm all measurements, dimensions, and heights with the Designer prior to construction. Site boundaries and levels to be verified and confirmed by Surveyor.

#Notes
A101
Site Bulk and Location
VERSION: #Notes - Page

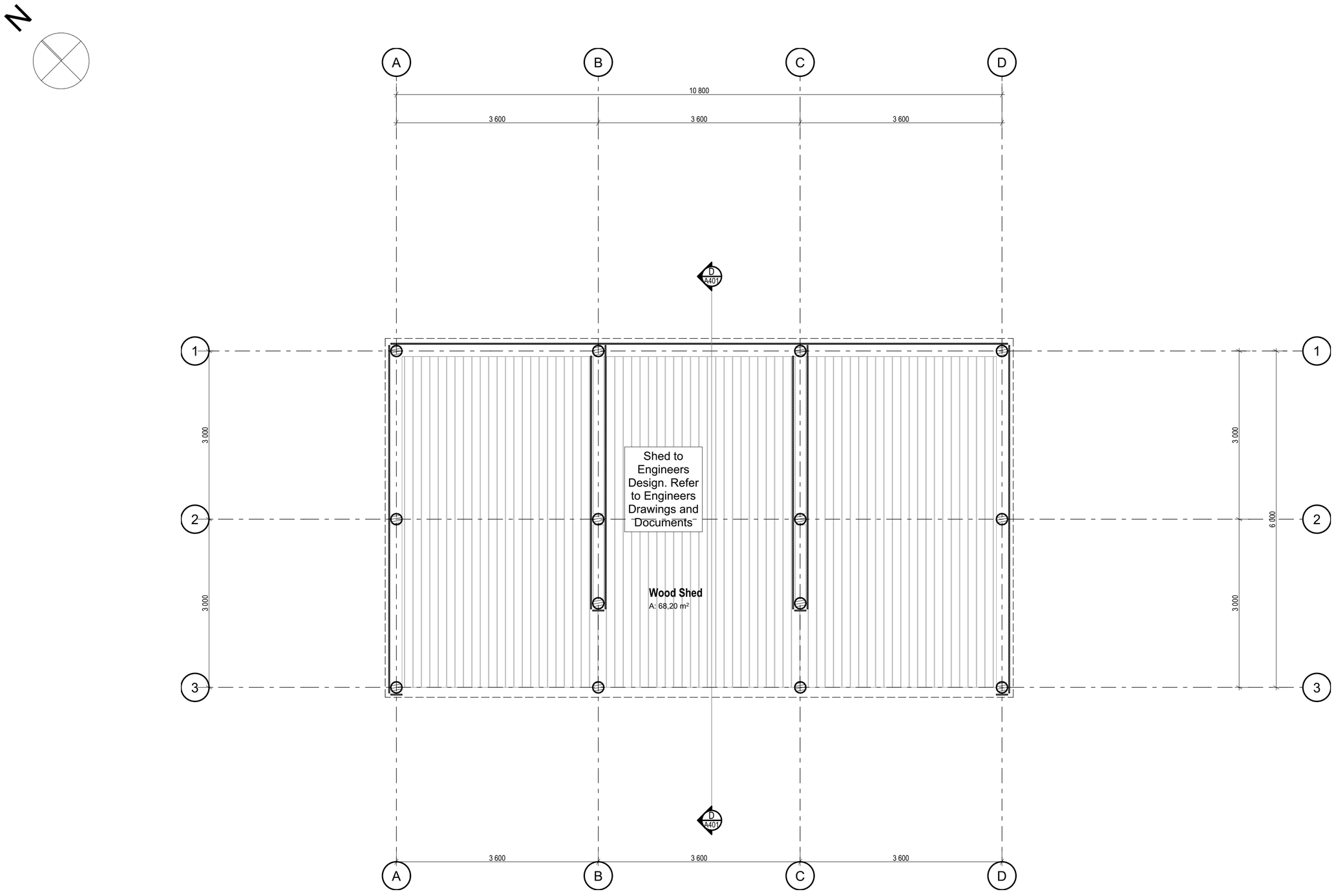
RevID	ChID	Revision	Date
01 - WIP	BC1	Wood Shed Building Consent	Work in Progress

Work in Progress

Notes

02 Foundation & Subfloor

2.1.9 Shed to Engineers Design. Refer to Engineers Drawings and Documents



2 Floor Plan - WoodShed 1:50

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Proposed New Dwelling
for
Neil Smith
1631 Gibbston Highway, Gibbston
Refer to Record of Title 1026417

Plans - Building Consent

Date:	2025/08/29
Draftsman:	ZM
LBP (Design):	TF
Project No:	1159

Layout ID: A201

Layout Name: Wood Shed Floor Layout
1:100, 1:50

Revision ID: 01 - WIP

The Contractor to verify and confirm all measurements, dimensions, and heights with the Designer prior to construction. Site boundaries and levels to be verified and confirmed by Surveyor.

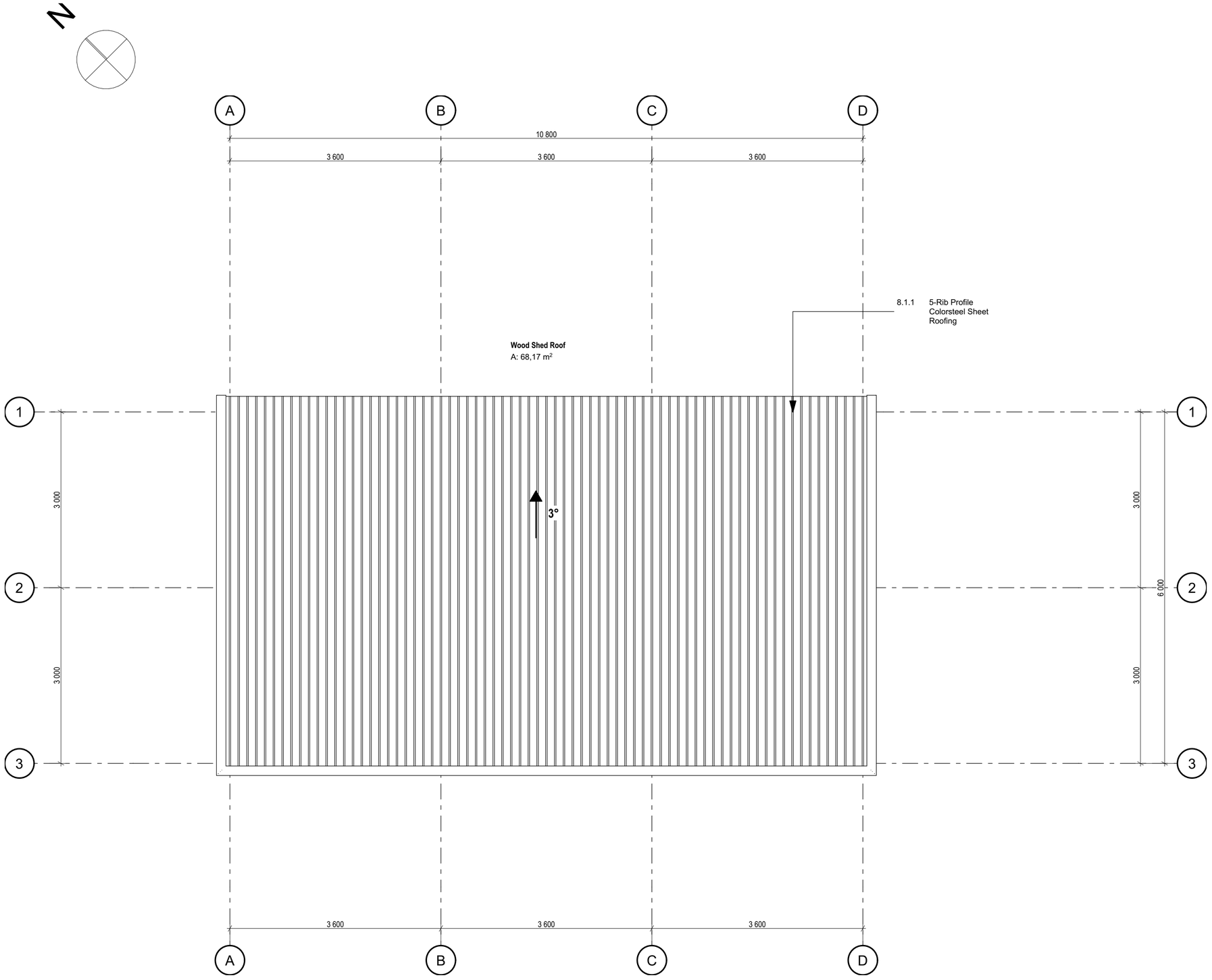
Notes

08 Roofing and Battens

8.1.1 5-Rib Profile Colorsteel Sheet Roofing
Selected 0.55 5-Rib Profile Colorsteel Roofing. T2 fixing as per E2/AS1 - hit one miss one. 70x45 H1.2 purlins on their flat at 900 centres (max span of 900mm) fixed with 1 / 14g self-drilling type 17 screw, 100 mm long (5.5 kN alternative). Purlin spacing to allow for roofing end-span fixing of 0.6m.

RevID	ChID	Revision	Date
01 - WIP	BC1	Wood Shed Building Consent	Work in Progress

Work in Progress



2 Roof Plan - WoodShed 1:50

A202

Wood Shed Roof Layout

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Proposed New Dwelling
for
Neil Smith
1631 Gibbston Highway, Gibbston
Refer to Record of Title 1026417

Plans - Building Consent

Date:	2025/08/29
Draftsman:	ZM
LBP (Design):	TF
Project No:	1159

Layout ID: A202

Layout Name: Wood Shed Roof Layout
1:200, 1:50

Revision ID: 01 - WIP

VERSION: #Notes - Page

The Contractor to verify and confirm all measurements, dimensions, and heights with the Designer prior to construction. Site boundaries and levels to be verified and confirmed by Surveyor.

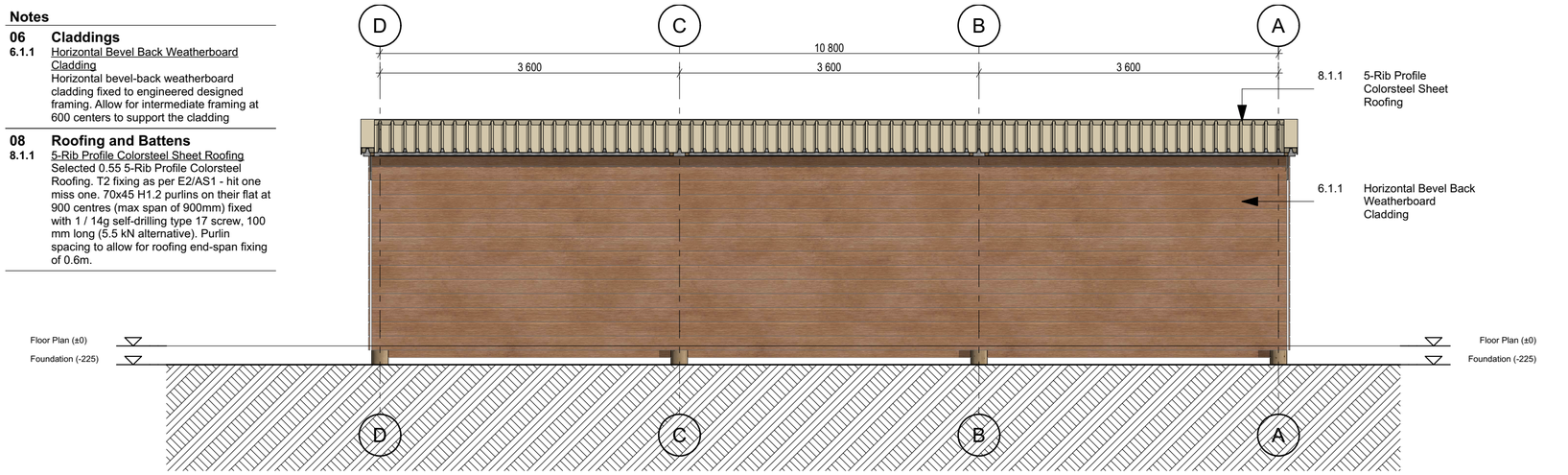
Notes

06 Claddings

6.1.1 Horizontal Bevel Back Weatherboard Cladding
Horizontal bevel-back weatherboard cladding fixed to engineered designed framing. Allow for intermediate framing at 600 centers to support the cladding

08 Roofing and Battens

8.1.1 5-Rib Profile Colorsteel Sheet Roofing
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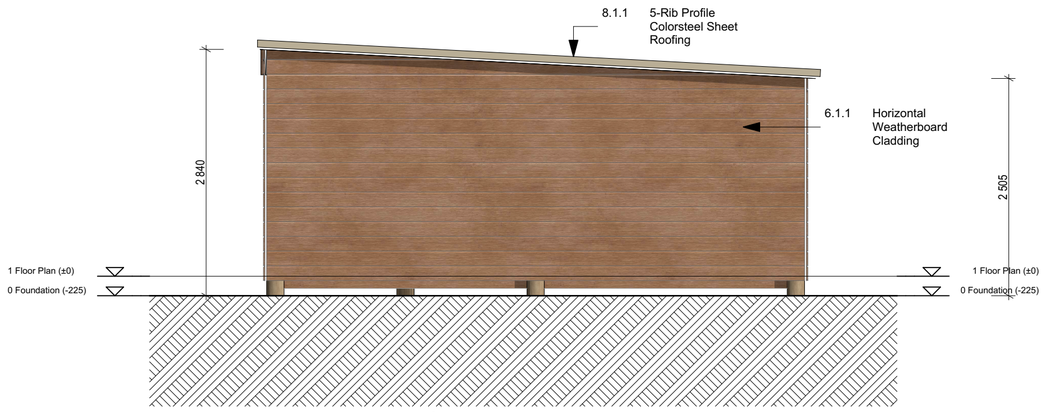


North East Elevation 1:50

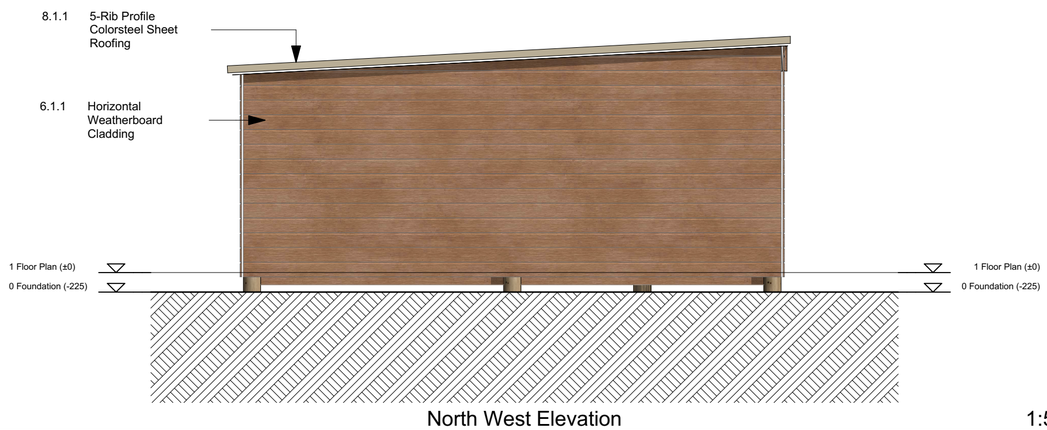
RevID	ChID	Revision	Date
01 - WIP	BC1	Wood Shed Building Consent	Work in Progress

Work in Progress

Truss Designer to allow for Solar Panels



South East Elevation 1:50



North West Elevation 1:50



South West Elevation 1:50

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Proposed New Dwelling
for
Neil Smith
1631 Gibbston Highway, Gibbston
Refer to Record of Title 1026417

Elevations - Building Consent

Date:	2025/08/29
Draftsman:	ZM
LBP (Design):	TF
Project No:	1159

Layout ID: A301

Layout Name: Wood Shed Elevations
1:50

Revision ID: 01 - WIP

The Contractor to verify and confirm all measurements, dimensions, and heights with the Designer prior to construction. Site boundaries and levels to be verified and confirmed by Surveyor.

Notes

06 Claddings

6.1.1 Horizontal Bevel Back Weatherboard Cladding

Horizontal bevel-back weatherboard cladding fixed to engineered designed framing. Allow for intermediate framing at 600 centers to support the cladding

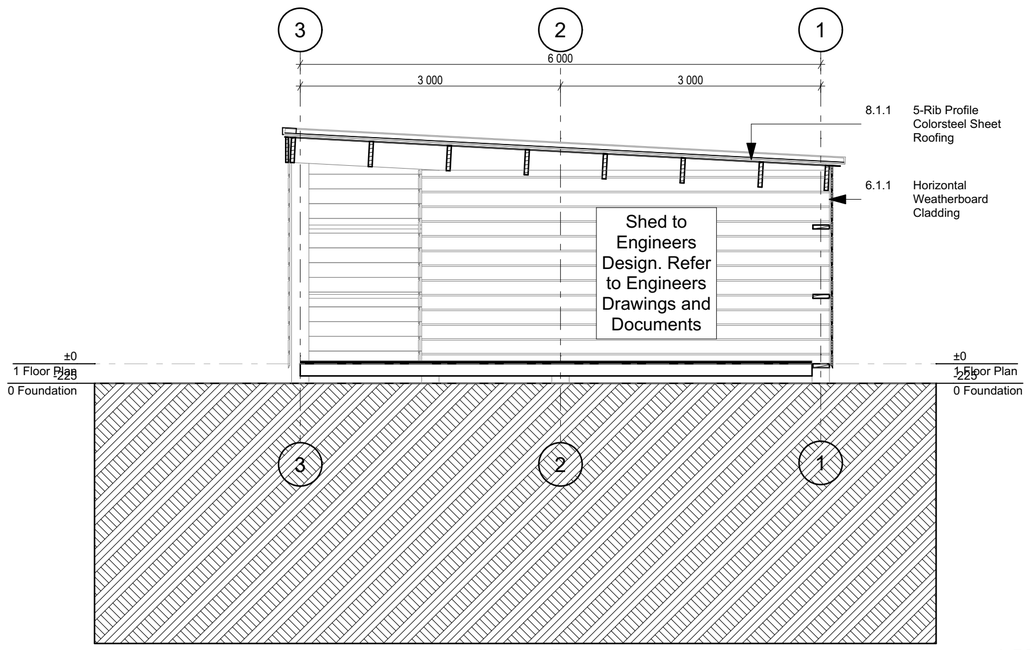
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8.1.1 5-Rib Profile Colorsteel Sheet Roofing

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RevID	ChID	Revision	Date
01 - WIP	BC1	Wood Shed Building Consent	Work in Progress

Work in Progress



Section D 1:50

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Proposed New Dwelling
for
Neil Smith
1631 Gibbston Highway, Gibbston
Refer to Record of Title 1026417

Sections - Building Consent

Date: 2025/08/29
Draftsman: ZM
LBP (Design): TF
Project No: 1159

Layout ID: A401

Layout Name: Sections
1:50

Revision ID: 01 - WIP

The Contractor to verify and confirm all measurements, dimensions, and heights with the Designer prior to construction. Site boundaries and levels to be verified and confirmed by Surveyor.