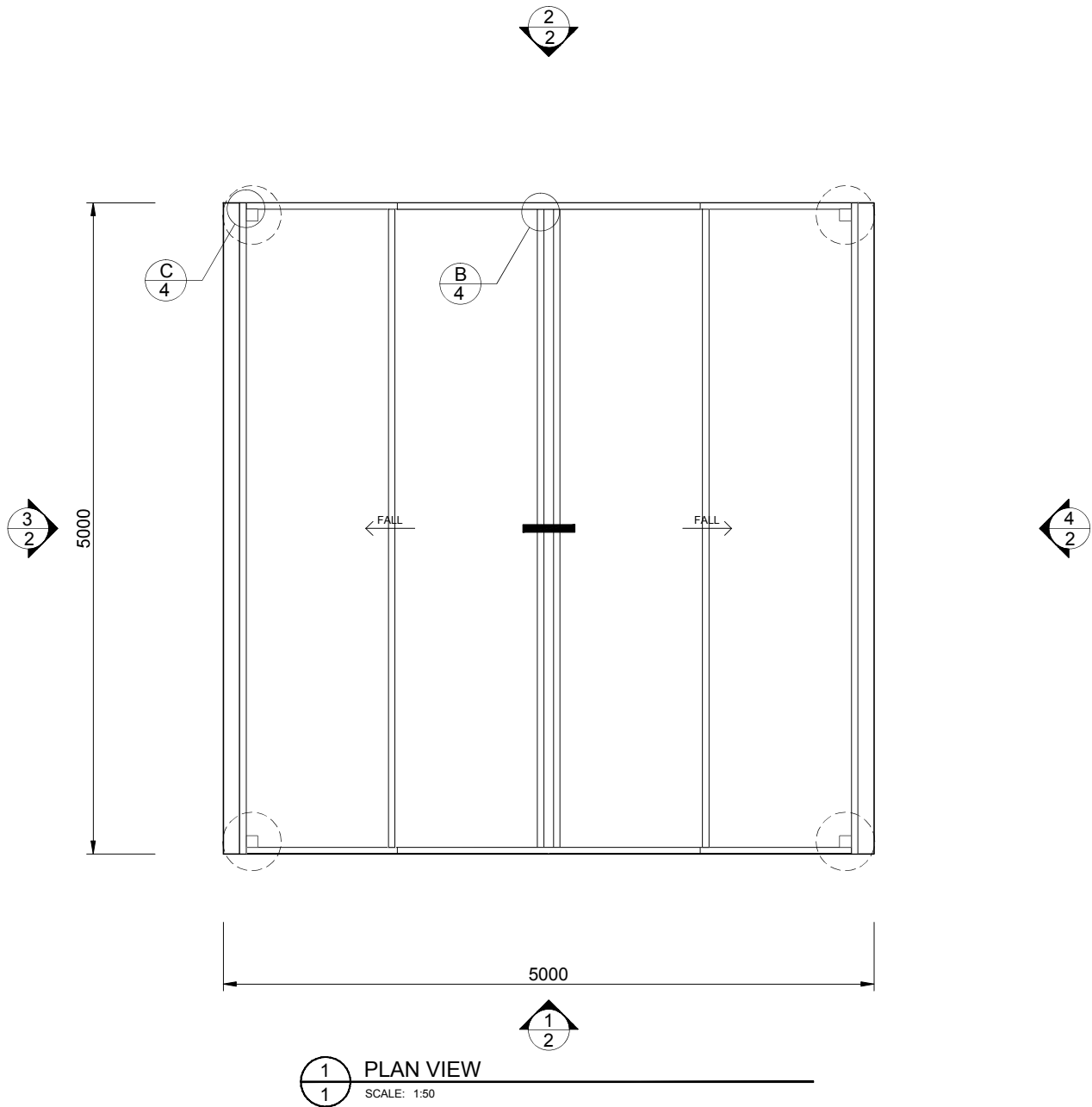


Dimensions are to outside of gutter where gutter is present (gutter width:125mm)



DENOTES FOOTING AS
DETAILED ON SHEET 4

No Foot Traffic Roof

	PROJECT BY	 Civil & Structural Engineers 50 Punari Street Currajong, Qld 4812 Fax: 07 4725 5850 Email: design@nceng.com.au ABN 341 008 173 56	Mr Timothy Roy Messer BE MIEAust RPEQ	DRAWN	FDB	SHEET 1 5
	FOR		Michael Tyne	CHECKED	N/A	
	AT		3 Broadway Street Stroud	DATE	31/10/2024	
				JOB NO.	FDFDBL100034	

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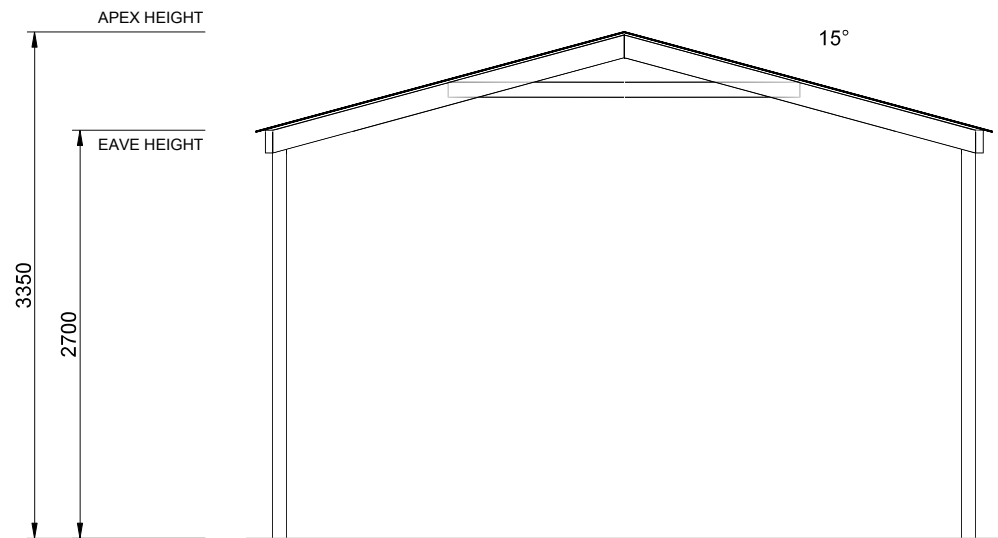
Registered Chartered Professional Engineer
Registered Professional Engineer (Civil & Structural) QLD
Registered Certifying Engineer (Structural) N.T.
Registered Engineer - (Civil) VIC
Registered Engineer - (Civil) TAS

Regn. No. 2558980
Regn. No. 9985
Regn. No. 116373ES
Regn. No. PE0002216
Regn. No. CC5648M

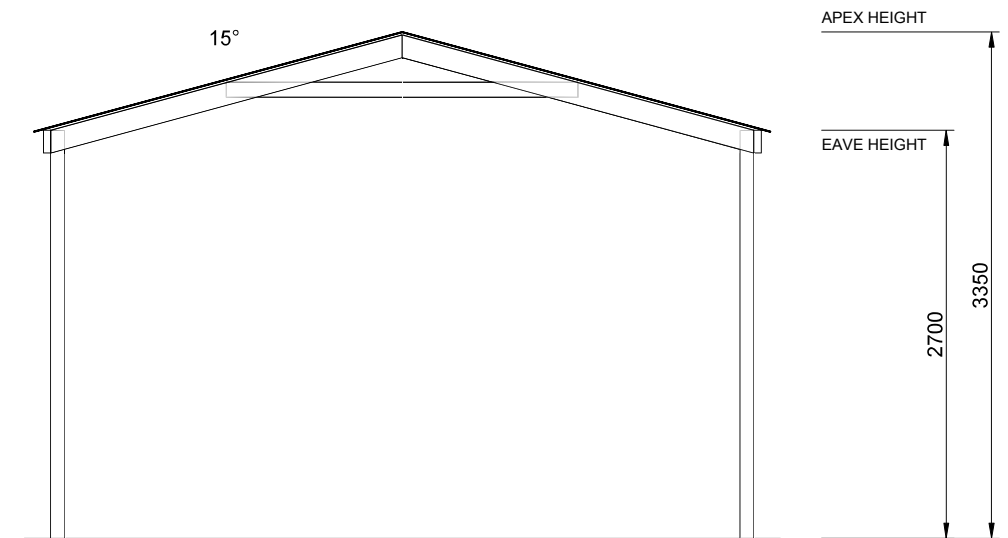
Signature

Date 31/10/2024

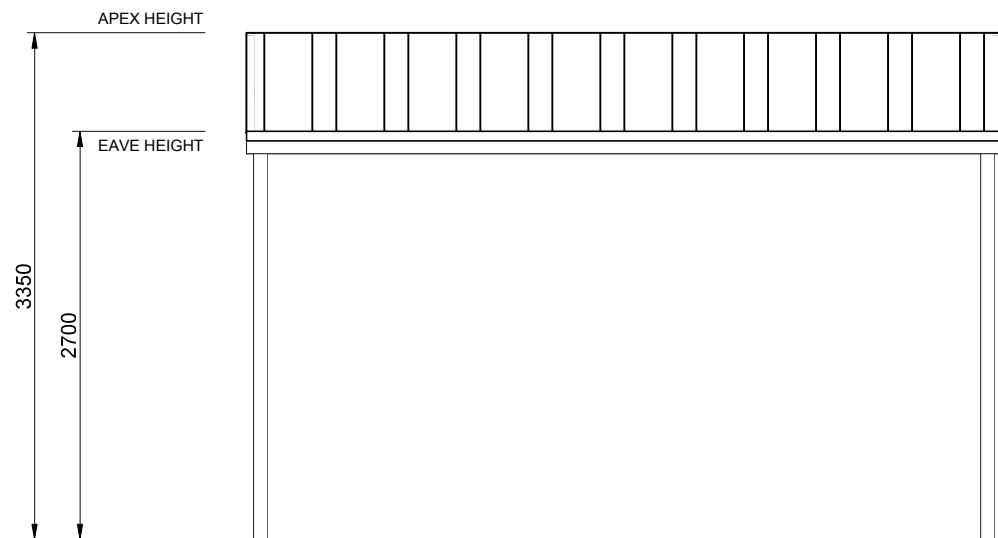
Registered on the NPER in the areas of practice
of Civil & Structural National Professional
Engineers Register



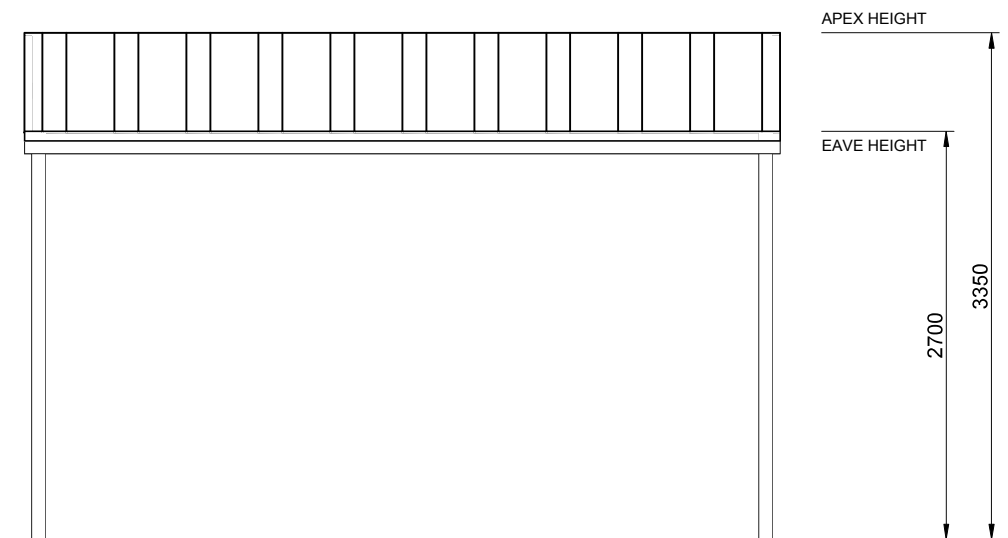
1 FRONT EXTERIOR ELEVATION
2 SCALE: 1:50



2 BACK EXTERIOR ELEVATION
2 SCALE: 1:50



3 LEFT EXTERIOR ELEVATION
2 SCALE: 1:50



4 RIGHT EXTERIOR ELEVATION
2 SCALE: 1:50

STRUCTURAL GENERAL NOTES

- I. **GOVERNING CODE** : BUILDING CODE OF AUSTRALIA (BCA), LOADING TO AS1170 - ALL SECTIONS.
- II. **DRAWING OWNERSHIP** : THESE DRAWINGS REMAIN THE PROPERTY OF FBHS PTY LIMITED. DRAWINGS ARE PROVIDED FOR THE DUAL PURPOSE OF OBTAINING BUILDING PERMITS AND AIDING CONSTRUCTION. ANY OTHER USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN APPROVAL.
- III. **DRAWING SIGNATURE REQUIREMENTS**: EACH TITLE BLOCK CONTAINS A WATER MARK UNDER THE CUSTOMERS NAME CONTAINING THE DATE OF PRODUCTION OF THE DRAWINGS;THE DRAWINGS ARE TO BE SUBMITTED TO COUNCIL WITHIN 21 DAYS OF THIS DATE. THIS IS TO ENSURE THAT ONLY CURRENT DRAWINGS ARE IN CIRCULATION.
- IV. **CONTRACTOR RESPONSIBILITIES** : CONTRACTOR SHALL VERIFY AND CONFIRM ALL EXISTING CONDITIONS AND DIMENSIONS. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN DRAWINGS AND EXISTING CONDITIONS PRIOR TO START OF WORK. CONTRACTOR MUST NOT MAKE ANY DEVIATION FROM THE PROVIDED PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE UNDERSIGNING ENGINEER. THE ENGINEER / FBHS TAKE NO RESPONSIBILITY FOR CHANGES MADE WITHOUT WRITTEN APPROVAL. CONTRACTOR IS RESPONSIBLE FOR ENSURING NO PART OF THE STRUCTURE BECOMES OVERSTRESSED DURING CONSTRUCTION. BUILDING IS NOT STRUCTURALLY ADEQUATE UNTIL THE INSTALLATION OF ALL COMPONENTS AND DETAILS SHOWN ARE COMPLETED IN ACCORDANCE WITH THESE DRAWINGS. THE INDICATED DRAWING SCALES ARE APPROXIMATE. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES. FOR FUTHER DIRECTIONS ON CONSTRUCTION THE CONIRACTOR SHOULD CONSULT THE APPROPRIATE INSTRUCTION MANUAL.
- V. **ENGINEERING** : THE ENGINEER / FBHS ARE NOT ACTING AS PROJECT MANAGERS FOR THIS DEVELOPMENT, AND WILL NOT BE PRESENT DURING CONSTRUCTION. THE ENGINEERS HAVE REVIEWED THIS BUILDING FOR CONFORMITY ONLY TO THE STRUCTURAL DESIGN PORTIONS OF THE GOVERNING CODE. THE PROJECT MANAGER IS RESPONSIBLE FOR ADDRESSING ANY OTHER CODE REQUIREMENTS APPLICABLE TO THIS DEVELOPMENT. IT IS THE RESPONSIBILITY OF THE PURCHASER TO COORDINATE DRAWINGS PROVIDED WITH OTHER PLANS AND/OR OTHER COMPONENTS THAT ARE PART OF THE OVERALL PROJECT. IN CASES OF DISCREPANCIES, THE LATEST DRAWINGS PROVIDED BY FBHS SHALL GOVERN.
- VI. **INSPECTIONS** : NO SPECIAL INSPECTIONS ARE REQUIRED BY THE GOVERNING CODE ON THIS JOB. ANY OTHER INSPECTIONS REQUESTED BY THE LOCAL BUILDING DEPARTMENT SHALL BE CONDUCTED AT THE OWNER'S EXPENSE.
- VII. **SOIL REQUIREMENTS** : DESIGN FOR SOIL CLASSIFICATION M. SOIL SAFE BEARING CAPACITY VALUE INDICATED ON DRAWING SHEET 3 OCCURS AT 100mm BELOW FINISH GRADE, EXISTING NATURAL GRADE, OR AT FROST DEPTH SPECIFIED BY LOCAL BUILDING DEPARTMENT, WHICHEVER IS THE LOWEST ELEVATION. REGARDLESS OF DETAIL A ON SHEET 4 THE MINIMUM FOUNDATION DEPTH SHOULD BE 100MM INTO NATURAL GROUND OR BELOW FROST DEPTH SPECIFIED BY LOCAL COUNCIL. ROLLED OR COMPACTED FILL MAY BE USED UNDER SLAB, COMPACTED IN 150mm LAYERS TO A MAXIMUM DEPTH OF 900mm. CONCRETE FOUNDATION EMBEDMENT DEPTHS DO NOT APPLY TO LOCATIONS WHERE ANY UNCOMPACTED FILL OR DISTURBED GROUND EXISTS OR WHERE WALLS OF THE EXCAVATION WILL NOT STAND WITHOUT SUPPLEMENTAL SUPPORT, IN THIS CASE SEEK FURTHER ENGINEERING ADVICE. FOOTING DESIGN ASSUMES A CLAYEY SOIL TYPE PRESENT, IF SOIL TYPE ON SITE IS IN FACT SAND OR ROCK, PLEASE CONFIRM WITH THE ENGINEER THE ADEQUACY OF THE FOOTING.
- VIII. **CONCRETE REQUIREMENTS** : ALL CONCRETE DETAILS AND PLACEMENT SHALL BE PERFORMED IN ACCORDANCE WITH AS2870 AND AS3600.CONCRETE SHALL HAVE A MIN. 28-DAY STRENGTH OF 20MPa FOR EXPOSURE A1, 25MPa FOR EXPOSURE A2, 32MPa FOR EXPOSURE B1, 40MPa FOR EXPOSURE B2 AND 50MPa FOR EXPOSURE C, IN ACCORDANCE WITH SECTION 4, AS3600. CEMENT TO BE TYPE A. MAX AGGREGATE SIZE OF 20mm. SLUMP TO BE 80mm +/-15mm. SLABS TO BE CURED FOR 7 DAYS BY WATERING OR COVERING WITH A PLASTIC MEMBRANE, AFTER WHICH CONSTRUCTION CAN BEGIN, DUE CARE GIVEN NOT TO OVER-TIGHTEN HOLD DOWN BOLTS. GIVEN ALLOWABLE SOIL TYPES 1 LAYER OF SL72 REINFORCING MESH IS TO BE INSTALLED ON STANDARD SLABS WITH A MINIMUM 30MM COVER FROM CONCRETE SURFACE. CONCRETE REINFORCING TO CONFORM TO AS 1302, AS1303 & AS 1304. ALL REINFORCING COVER TO BE A MINIMUM OF 30mm.
- IX. **STRUCTURAL STEEL REQUIREMENTS** : ALL STRUCTURAL STEEL, INCLUDING SHEETING THOUGH EXCLUDING CONCRETE REINFORCING, SHALL CONFORM TO AS 1397 (GAUGE <= 1mm fy = 550MPa, GAUGE > 1mm < 1.5mm fy = 500MPa, GAUGE >= 1.5mm fy = 450MPa). NO WELDING IS TO BE PERFORMED ON THIS BUILDING. ALL STRUCTURAL MEMBERS AND CONNECTIONS DESIGNED TO AS4600. ALL BOLT HOLE DIAMETERS TO FBHS GENERAL PUNCHINGS.

MEMBER AND MATERIAL SCHEDULE

1	GABLE(1) PURLIN	100 x 50 x 1.0mm thick Galvanized Beam
2	GABLE(1) PURLIN SPACING	1.16 m. Max. (1 Rows)
3	GABLE(1) PURLIN A.F.B SCREW NO.	0 Per Bracket
4	GABLE(1) EDGEBEAM	150 x 50 x 1.0mm thick Galvanized Beam
5	GABLE(1) BRACE	100 x 50 x 1.0mm thick Galvanized Beam
6	GABLE(1) RAFTER	150 x 50 x 1.0mm thick Galvanized Beam
7	GABLE(1) POST	89x89 or 90x90 SHS 2mm thk
8	FRAMING SCREW	Screw SD Hex C4 12-14 x 20mm
9	GABLE BRKT SCREW No.	12 Per Bracket
10	GABLE COLLAR TIE BRKT SCREW No.	12 Per Bracket
11	GABLE APEX BRKT SCREW No.	12 Per Bracket-Rafter, 12 Per Bracket-Bracket
12	POST BRKT SCREW No.	6 Per Bracket-Post, 6 Per Bracket-Beam
13	POST BASE SCREW No.	8 Per Base
14	ANCHOR BOLTS (4 PER BASE)	ExcalibrScrw Bolt M12x100
15	ROOF CLADDING	Corrugated BMT 0.42, CB
16	ROOF CLADDING FASTENERS	6x50 RZ SDS Hhead CB (5 per sheet per purlin row)
17	ROOF COLOUR	Shale Grey
18	DOWNPIPE COLOUR	Shale Grey
19	GUTTER COLOUR	Shale Grey
20	BARGE COLOUR	Shale Grey
21	ROOF BEAM COLOUR	Galvanised
22	POST COLOUR	Galvanised

PROJECT DESIGN CRITERIA

Roof Live Load	0.25 kPa
Wind Class	N1
Seismic Zone	4
Soil Safe Bearing Capacity	100 kPa
Importance Level	2
Foot Traffic	No



PROJECT BY

FDB Shacks and Sheds

02 40581987

FOR

Michael Tyne

AT

3 Broadway Street

Stroud



Civil & Structural Engineers
50 Punari Street
Currajong, Qld 4812
Fax: 07 4725 5850
Email: design@nceng.com.au
ABN 341 008 173 56

Registered Chartered Professional Engineer
Registered Professional Engineer (Civil & Structural) QLD
Registered Certifying Engineer (Structural) N.T.
Registered Engineer - (Civil) VIC
Registered Engineer - (Civil) TAS

Regn. No. 2558980
Regn. No. 9985
Regn. No. 116373ES
Regn. No. PE0002216
Regn. No. CC5648M

Mr Timothy Roy Messer BE MIEAust RPEQ

Signature 

Date 31/10/2024

Registered on the NPER in the areas of practice
of Civil & Structural National Professional
Engineers Register

DRAWN
FDB

CHECKED
N/A

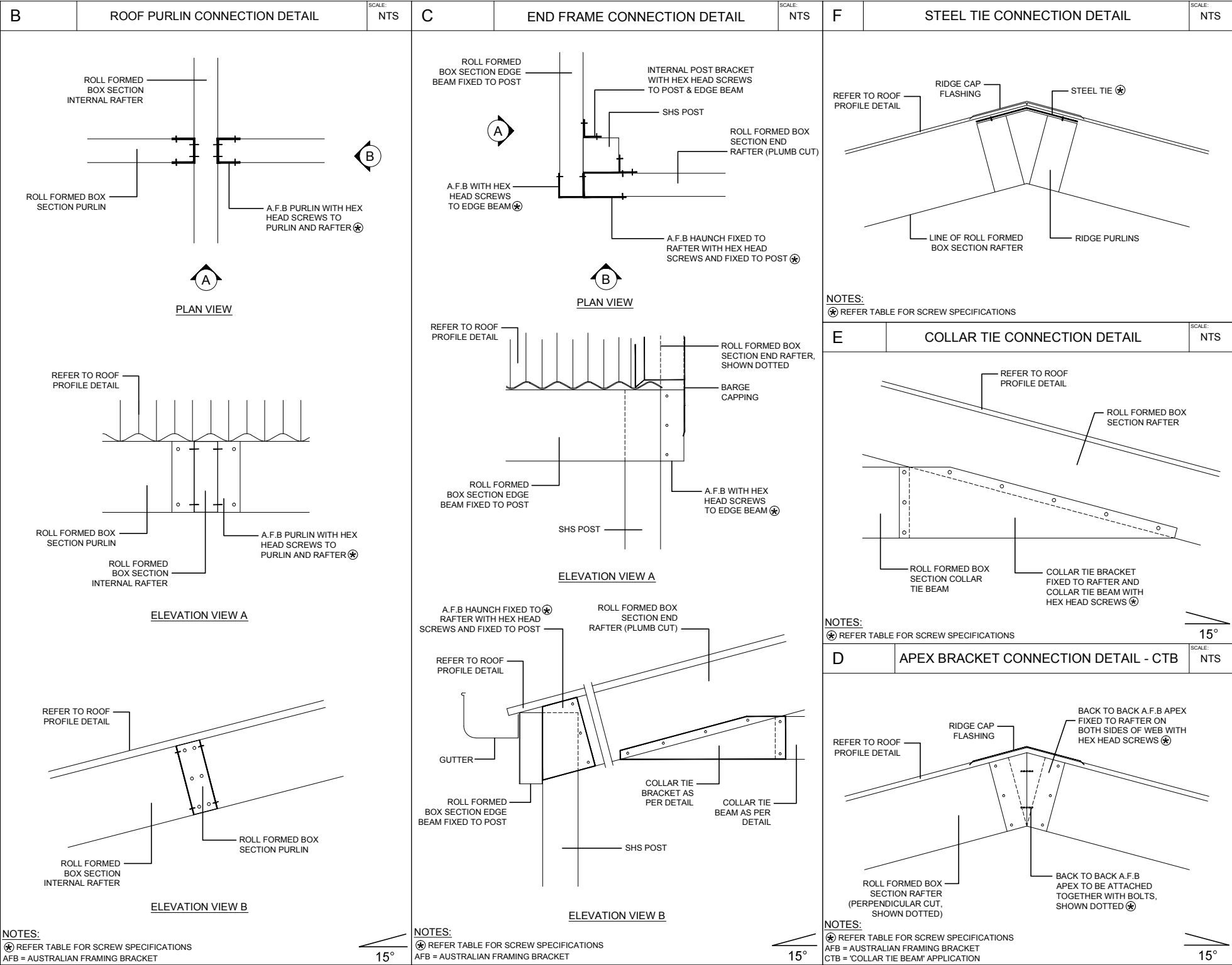
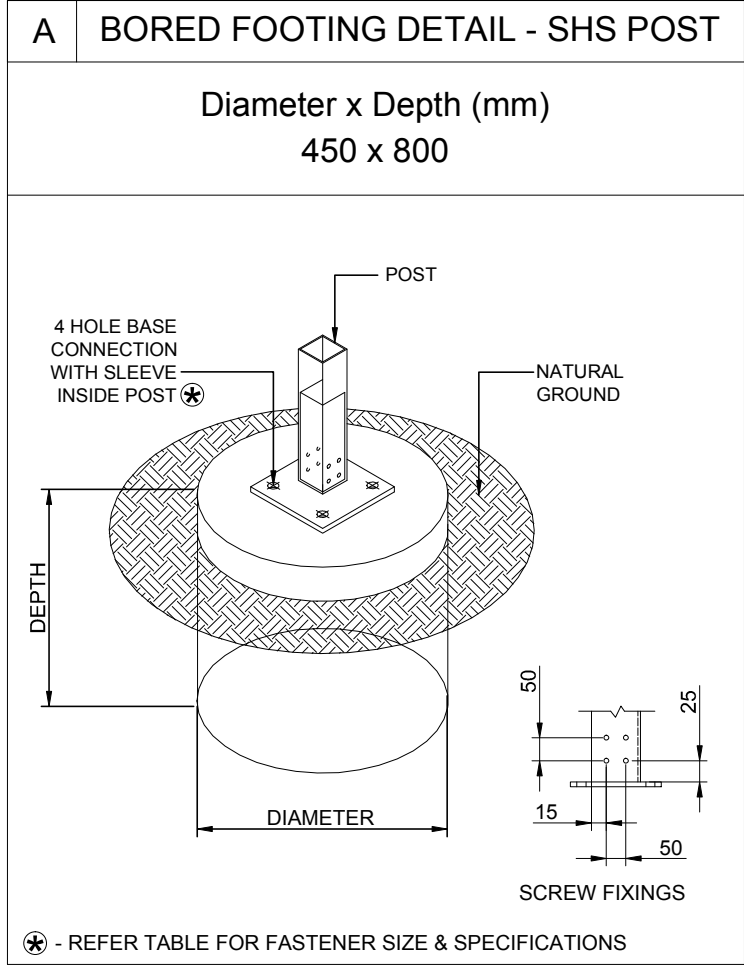
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31/10/2024

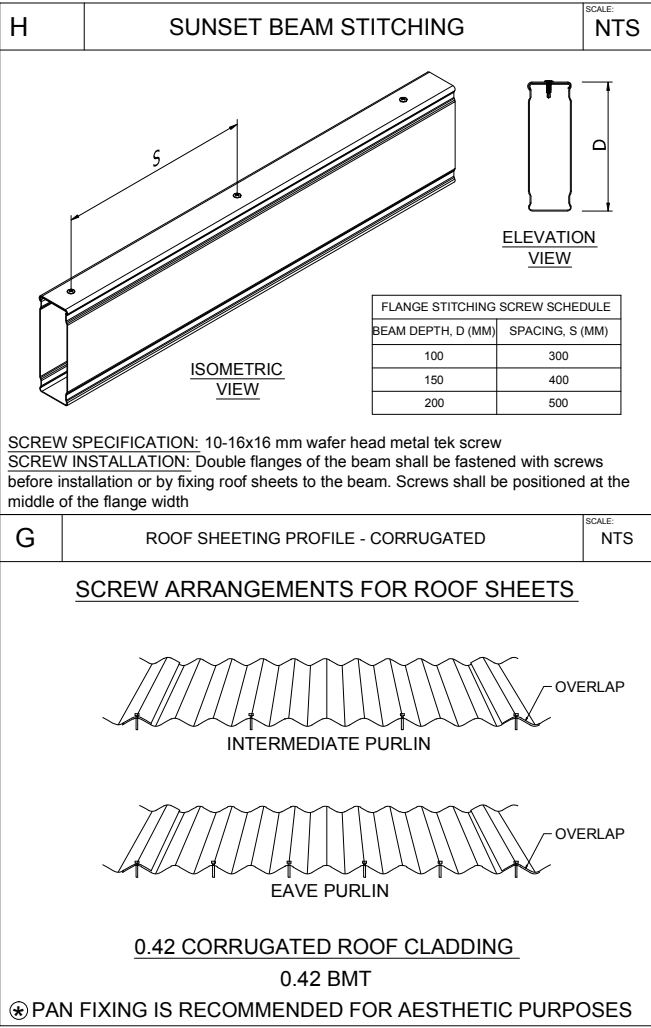
JOB NO.
FDFDBL100034

SHEET

3

5





COMPLIANCE CERTIFICATE FOR BUILDING DESIGN

Property Description

Street address (include number, street, suburb/locality & postcode)

3 Broadway Street *

Stroud

Postcode : 2425

★ - Certifier to confirm on site that the wind loadings for this design are true and correct for the address stated

Description of Component/s Certified

Clearly describe the extent of work covered by this certificate.

Steel Frame Awning Structure — Refer to design drawing for dimensions.

Basis of Certification

Detail the basis for giving the certificate and the extent to which tests, specifications, rules, standards, codes of practice and other publications, were relied upon.

Australian Standards (list) AS/NZS 4600-2018, AS/NZS 1170.0,.1-2002, AS/NZS 1170.2-2021, AS/NZS

1170.3-2003, AS 1170.4-2007, AS3600-2018, AS 5216-2021,

2022 National Construction Code of Australia

NCC Importance Level = 2

NCC Equivalent Wind class = N1

Design Roof Live Load = 0.25 kPa

Reference Documentation

Clearly identify any relevant documentation, e.g numbered structural engineering plans

Drawing Nos: 'FDB' Structural Design Drawing

To be read in conjunction with Pages 1 to 5

For Job Number: FDFDBL100034 DATED : 31/10/2024

Specifications:

Computations:

Test Reports:

Other Documentation:

Competent Person Details

A competent person for building work, means a person who is assessed by the building certifier for the work as competent to practise in aspect of the design, building or inspection of the building work because of the person's skill and experience in the aspect. The competent person must also be registered or licensed under a law applying in the state to practice the aspect.

A COPY OF A CURRENT CV AND PROFESSIONAL REGISTRATION DETAILS MUST BE PROVIDED WITH THE CERTIFICATE

Name:

Timothy Roy Messer

Company Name (If applicable):

Northern Consulting Engineers

Postal Address:

50 Punari Street, Currajong 4812

Contact Person:

Timothy Roy Messer

Telephone Number:

07 4725 5550

Mobile Number:

N/A

Fax Number:

07 4725 5850

Email Address:

design@nceng.com.au

License or Registration Number:

2558980

Copy of CV Attached:

Tick Box

Y ☐ or N ☒

Signature of Competent Person

This form may be used by competent persons to certify the design of a material, system, method of building, building element design or other thing.

If the competent person is a licensed company the authorised person of the company is to sign the form.

I certify that the item/s described above, if installed or carried out in accordance with the information contained in this certificate, including any referenced documentation, will comply with the National Construction Code of Australia/relevant Australian or International Standard.

Signature of competent person:



Date: 31/10/2024

LOCAL GOVERNMENT USE ONLY

Date received

Reference Number/s