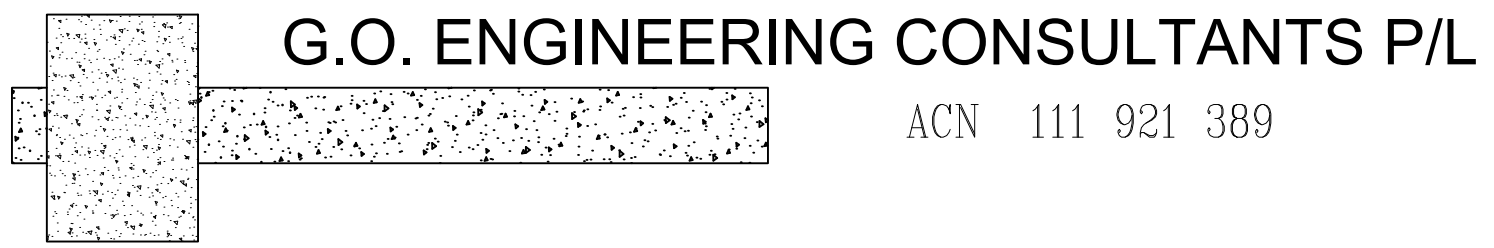


STRUCTURAL ENGINEERING DESIGN FOR PROPOSED ALTERATIONS
AND ADDITIONS AT
CANDLE HEATH RD, PERISHER VALLEY SNOWY MOUNTAINS NSW 2624



ACN 111 921 389

STRUCTURAL DRAWING LIST		
SHEET NO.	REVISION	TITLE
S01	-	COVER
S02	-	SPECIFICATIONS
S03	-	FLOOR PLAN
S04	-	SECTION A-A
S05	-	SECTION B-B
S06	-	ALTERNATE SECTION A-A

All workmanship and materials to conform with latest edition of the Building Code of Australia and relevant Australian Standards.

The contractor is to confirm all dimensions prior to commencing any works on site.

Refer to specification for other relevant information details.

G.O. ENGINEERING CONSULTANTS
ABN 61 111 921 389
Structural, Civil &
Project Management ENGINEERS

153 Commissioner St
Cooma NSW 2630

Phone: (02) 6452 4699
Fax: (02) 6452 4996
reception@goengineering.com.au

Drawing Title:
STRUCTURAL ENGINEERING
DESIGN FOR PROPOSED
ALTERATIONS AND ADDITIONS
AT CANDLE HEATH RD,
PERISHER VALLEY SNOWY
MOUNTAINS NSW2624

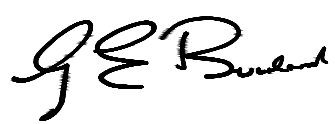
Client:
Rob Heague

Structural Sheet No. S01 of 6

Scale: NTS
Date: 8.03.2023
Drawing No: 20230208

COVER

Sheet Size:- A3
Designed: R Henry
Drawn: R Henry
Checked: G Bowland

Approved:

Geoff Bowland MIEAust CPEng

ISSUE	DATE	AMENDMENT	INITIALS

This document is Copyright and shall not be copied without written approval, nor shall it be used except for the Development and the Site Specified.

ISSUE DATE:- 22.03.2022

NOTES:

- 1. All workmanship and materials to conform with the latest edition of the building code of Australia and relevant Australian standards.
- 2. It is not implied or guaranteed that all structural designs and details shown in these plans are complete. The scope of the work has been determined by the Engineer based on the information supplied by the client or the clients consultants. The Engineer will provide further designs if required, but is not responsible for any associated cost where design details have not been specifically requested.
- 3. All dimensions on these plans should be checked on site by the builder and verified using Architectural plans and other contract documents. Discrepancies to be refered to the Architect or Engineer.
- 4. DO NOT SCALE FROM THESE DRAWINGS
- 5. The structural details shown in these plans are applicable to the Architectural plans and building elements by Rob Heague indicated therein:
Project No. - 13-008 , DA-04
- 6. Reference to UNO = Unless Noted Otherwise & NA = Not Applicable.

SITE CONDITIONS:

- | | |
|---|---------------|
| 1. Stability/Vegetation - | NA |
| 2. Drainage - | NA |
| 3. Soil Type/profile - | NA |
| 4. AS2870.1 - 2011 site classification - | P |
| 5. AS4055 - 2011 wind classification N2.0 | 40m/s (Vh,u). |
| 6. AS1170.3 - 2002 Roof Design Snow Load for altitude 1720 m, for roof pitch 15° at Candle Rd Perisher Valley Snowy Mountains NSW 2624- Sr =15.7 KPa, Sg = 17 KPa | |

CONCRETE:

- 1. All concrete works to be in accordance with AS3600 2001
- 2. Concrete strength cover and durability details (refer AS3600)
Footings - 32MPa
- 3. All reinforcement to be adequately supported on bar chairs in correct positions.
- 4. Concrete to be formed as required by AS3610 and compacted in accordance with AS3600 and AS3610 to achieve specified or relevant density durability and strength.
- 5. All reinforced fabric to be lapped one mesh panel plus 25mm and reinforcement bars lapped 40 bar diameters, UNO.

FOOTINGS:

- 1. Footings and slabs on ground designs conform with AS 2870-1996.

TIMBER:

- 1. All timber construction to comply with Australian Framing Code AS1684.2 - 2010.
- 2. Bracing and tie down detail to comply with AS 1684.2-2010.
- 3. For external use, use Class 1 or Class 2 HW or Treated Timbers.

STEEL:

- 1. All steel construction to comply with AS4100 steel structures code and AISC Connection Details.

All workmanship and materials to conform with latest edition of the Building Code of Australia and relevant Australian Standards.

The contractor is to confirm all dimensions prior to commencing any works on site.

Refer to specification for other relevant information details.

G.O. ENGINEERING
CONSULTANTS

ABN 61 111 921 389
Structural, Civil &
Project Management ENGINEERS

153 Commissioner St
Cooma NSW 2630

Phone: (02) 6452 4699
Fax: (02) 6452 4996
reception@goengineering.com.au

Drawing Title:
STRUCTURAL ENGINEERING
DESIGN FOR PROPOSED
ALTERATIONS AND ADDITIONS
AT CANDLE HEATH RD,
PERISHER VALLEY SNOWY
MOUNTAINS NSW2624

Client:
Rob Heague

Structural Sheet No. S02 of 6

Scale:	NTS
Date:	8.03.2023
Drawing No:	20230208

SPECIFICATIONS

Sheet Size:-	A3
Designed:	R Henry
Drawn:	R Henry
Checked:	G Bowland

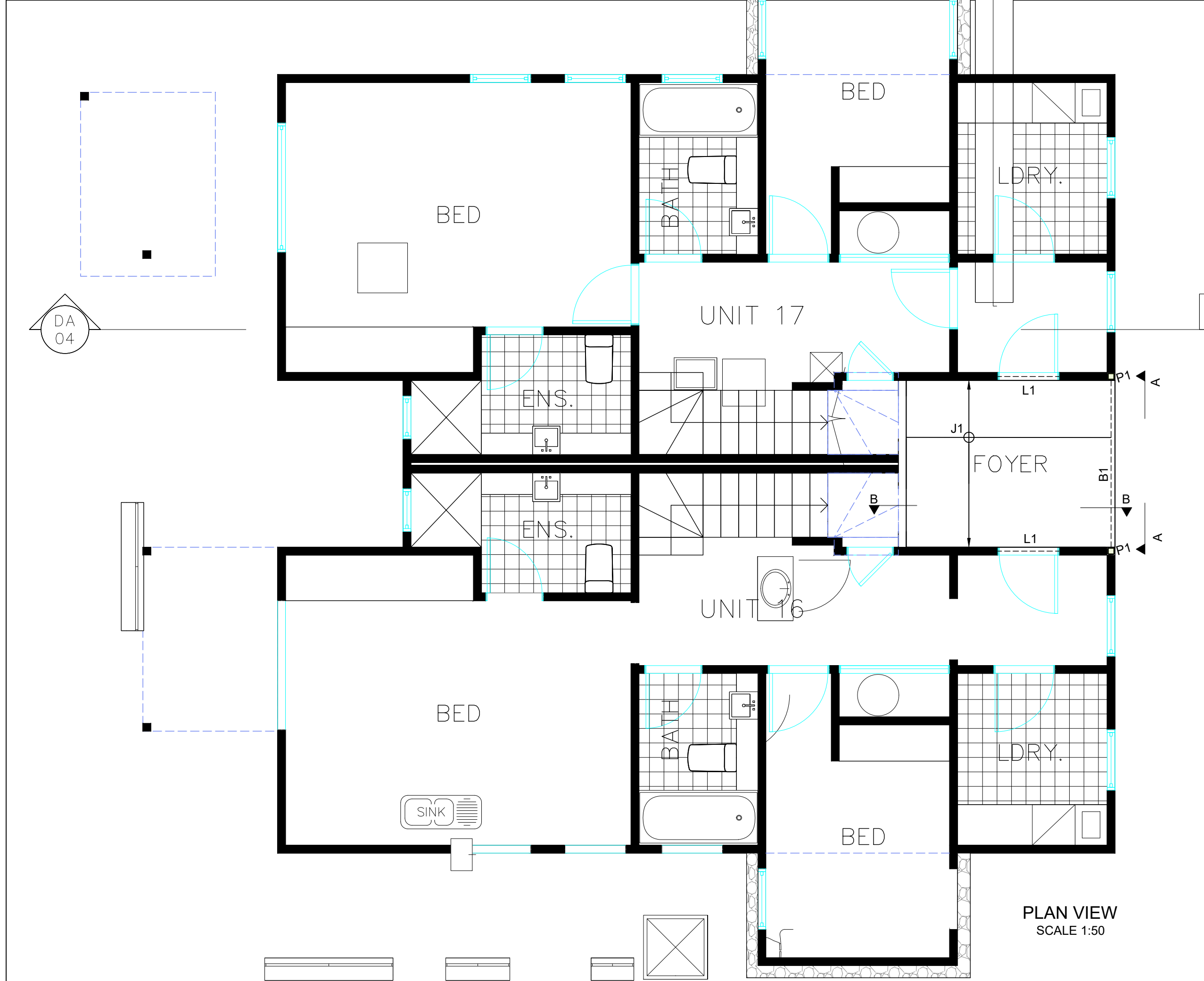
Approved:



Geoff Bowland MIEAust CPEng

ISSUE	DATE	AMENDMENT	INITIALS

This document is Copyright and shall not be copied without written approval, nor shall it be used except for the Development and the Site Specified.



All workmanship and materials to conform with latest edition of the Building Code of Australia and relevant Australian Standards.

The contractor is to confirm all dimensions prior to commencing any works on site.

Refer to specification for other relevant information details.

G.O. ENGINEERING CONSULTANTS

ABN 61 111 921 389
Structural, Civil &
Project Management ENGINEERS

153 Commissioner St
Cooma NSW 2630

Phone: (02) 6452 4699
Fax: (02) 6452 4996
reception@goengineering.com.au

Drawing Title:
STRUCTURAL ENGINEERING
DESIGN FOR PROPOSED
ALTERATIONS AND ADDITIONS
AT CANDLE HEATH RD,
PERISHER VALLEY SNOWY
MOUNTAINS NSW 2624

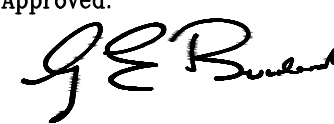
Client:
Rob Heague

Structural Sheet No. S03 of 6

Scale: AS SHOWN
Date: 8.03.2023
Drawing No: 20230208

PLAN VIEW

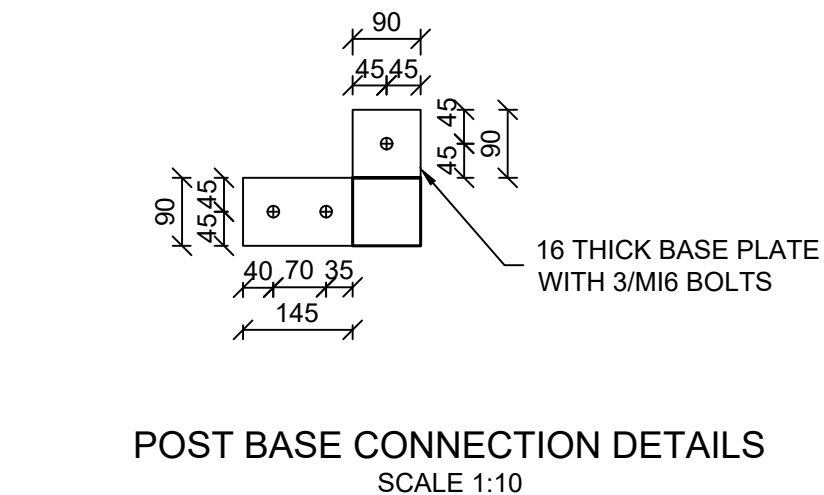
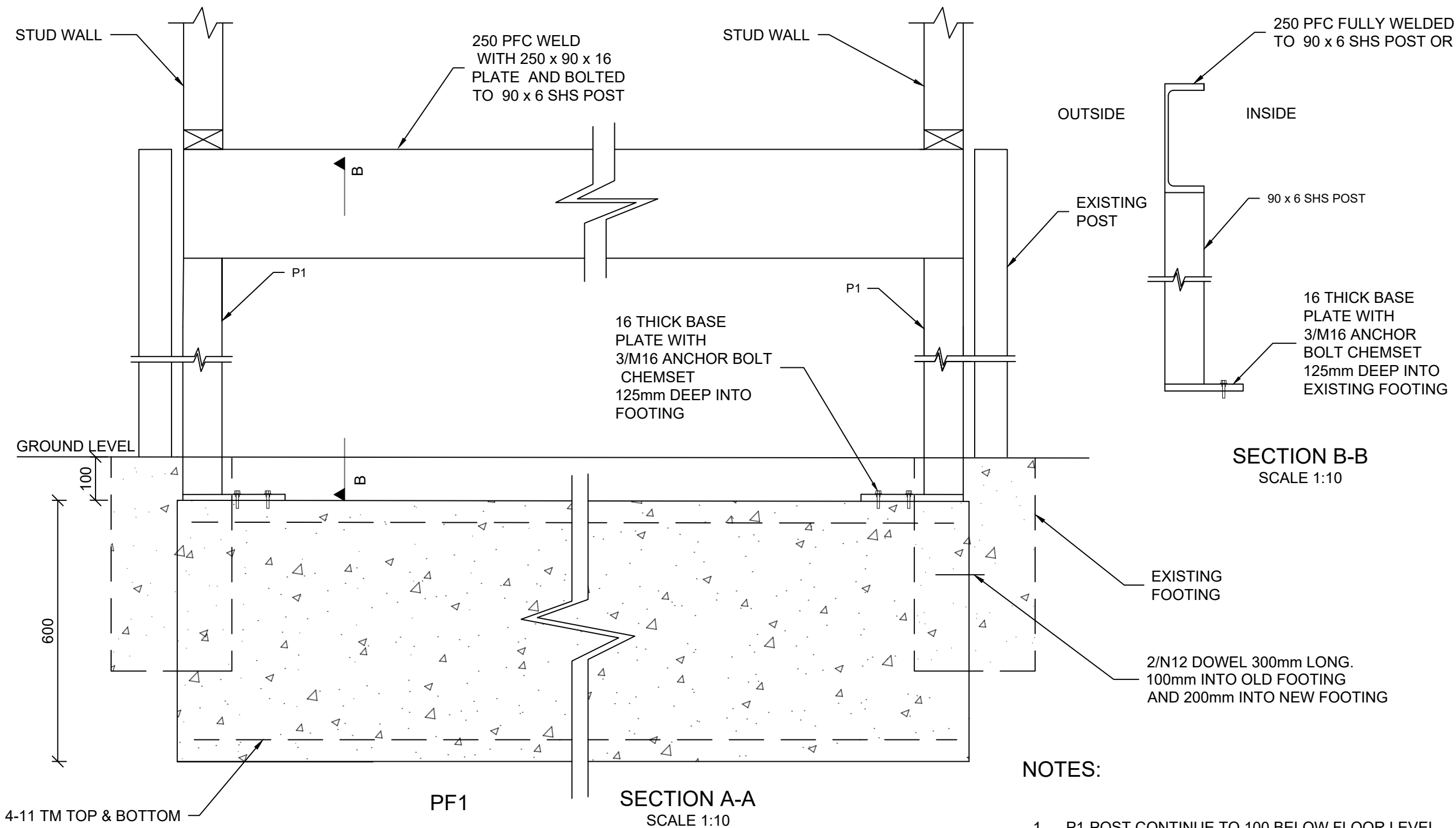
Sheet Size:- A3
Designed: R Henry
Drawn: R Henry
Checked: G Bowland

Approved:


Geoff Bowland MIEAust CPEng

ISSUE	DATE	AMENDMENT	INITIALS

This document is Copyright and shall not be copied without written approval, nor shall it be used except for the Development and the Site Specified.



POST BASE CONNECTION DETAILS
SCALE 1:10

NOTES:

- P1-POST CONTINUE TO 100 BELOW FLOOR LEVEL
- ENSURE DOUBLE JOIST UNDER FIRE WALL
- ROOF BY OTHERS

DATA SPECIFICATIONS		
SYMBOL	SPECIFICATIONS	MAX SPAN
B1	250 PFC	4m
J1	240 x 58 LVL@450 CRS	3.5m
P1	90 x 6 SHS	
L1	150PFC OR 150 x 35 LVL	1m
PF1	450 x 600 STRIP FOOTING	

All workmanship and materials to conform with latest edition of the Building Code of Australia and relevant Australian Standards.

The contractor is to confirm all dimensions prior to commencing any works on site.

Refer to specification for other relevant information details.

G.O. ENGINEERING
CONSULTANTS

ABN 61 111 921 389
Structural, Civil &
Project Management ENGINEERS

153 Commissioner St
Cooma NSW 2630

Phone: (02) 6452 4699
Fax: (02) 6452 4996
reception@goengineering.com.au

Drawing Title:
STRUCTURAL ENGINEERING
DESIGN FOR PROPOSED
ALTERATIONS AND ADDITIONS
AT CANDLE HEATH RD,
PERISHER VALLEY SNOWY
MOUNTAINS NSW2624

Client:
Rob Heague

Structural Sheet No. S04 of 6

Scale: AS SHOWN
Date: 8.03.2023
Drawing No: 20230208

SECTION A-A

Sheet Size:- A3
Designed: R Henry
Drawn: R Henry
Checked: G Bowland

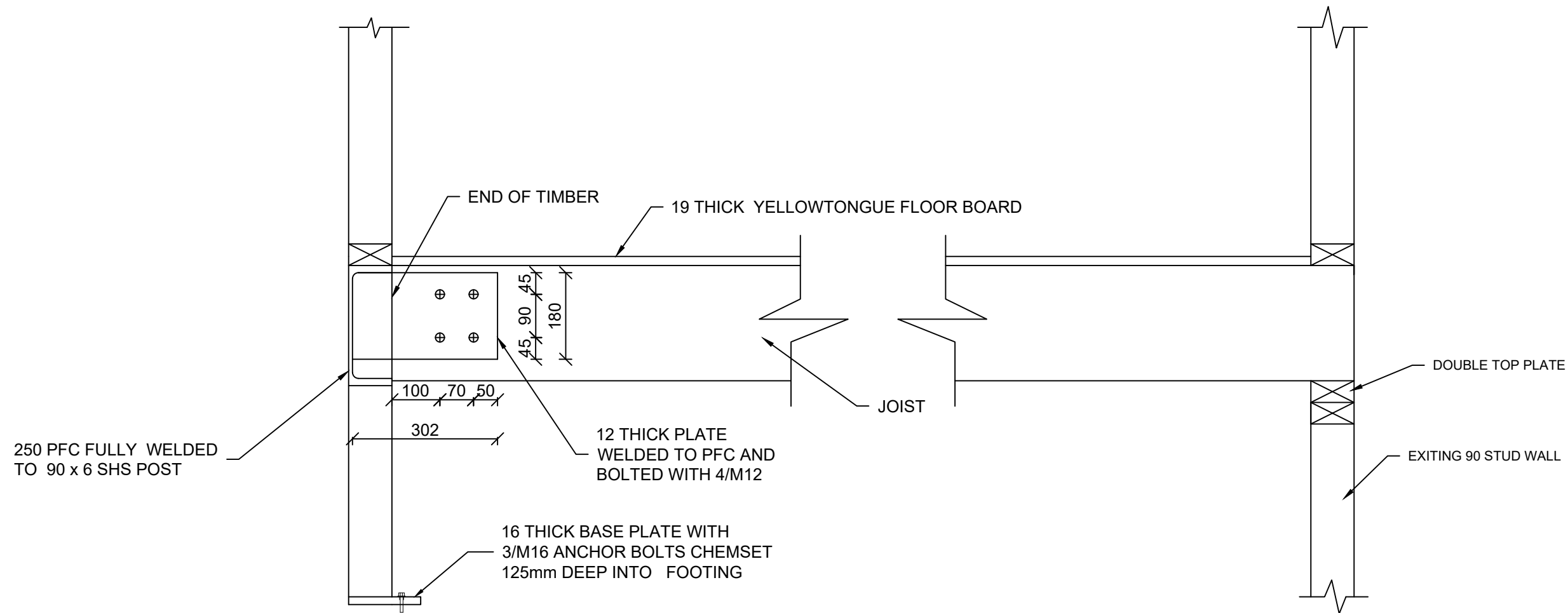
Approved:

Geoff Bowland

Geoff Bowland MIEAust CPEng

ISSUE	DATE	AMENDMENT	INITIALS

This document is Copyright and shall not be copied without written approval, nor shall it be used except for the Development and the Site Specified.



SECTION B-B
SCALE 1:10

DATA SPECIFICATIONS		
SYMBOL	SPECIFICATIONS	MAX SPAN
B1	250 PFC	4m
J1	240 x 58 LVL@450 CRS	3.5m
P1	90 x 6 SHS	
L1	150PFC OR 150 x 35 LVL	1m

All workmanship and materials to conform with latest edition of the Building Code of Australia and relevant Australian Standards.

The contractor is to confirm all dimensions prior to commencing any works on site.

Refer to specification for other relevant information details.

G.O. ENGINEERING CONSULTANTS

ABN 61 111 921 389

Structural, Civil &

Project Management ENGINEERS

153 Commissioner St
Cooma NSW 2630

Phone: (02) 6452 4699
Fax: (02) 6452 4996
reception@goengineering.com.au

Drawing Title:
STRUCTURAL ENGINEERING
DESIGN FOR PROPOSED
ALTERATIONS AND ADDITIONS
AT CANDLE HEATH RD,
PERISHER VALLEY SNOWY
MOUNTAINS NSW2624

Client:

Rob Heague

Structural Sheet No. S05 of 6

Scale: AS SHOWN

Date: 8.03.2023

Drawing No: 20230208

SECTION B-B

Sheet Size:- A3

Designed: R Henry

Drawn: R Henry

Checked: G Bowland

Approved:

Geoff Bowland

Geoff Bowland MIEAust CPEng

ISSUE	DATE	AMENDMENT	INITIALS

This document is Copyright and shall not be copied without written approval, nor shall it be used except for the Development and the Site Specified.

