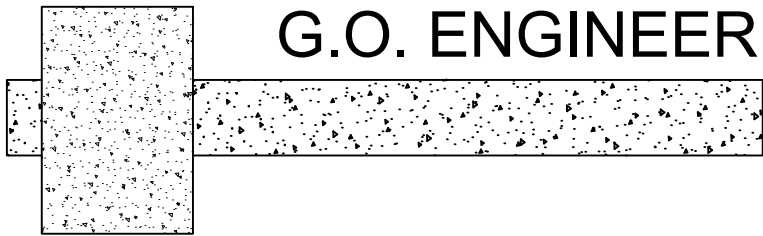


STRUCTURAL ENGINEERING DESIGN FOR PROPOSED BEAM INSTALLATION AT TWYNAM LODGE GUTHEGA NSW 2624



G.O. ENGINEERING CONSULTANTS P/L

ACN 111 921 389

STRUCTURAL DRAWING LIST

SHEET NO.	REVISION	TITLE
S01	-	COVER
S02	-	SPECIFICATIONS
S03	-	PLAN VIEW
S04	-	ELEVATION
S05	-	SECTIONS

DRAFT

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

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Structural, Civil &
Project Management ENGINEERS

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Drawing Title:
STRUCTURAL ENGINEERING
DESIGN FOR PROPOSED BEAM
INSTALLATION AT TWYNAM
LODGE GUTHEGA NSW 2624

Client:
PETER WAUGH

Structural Sheet No. S01 of 5

Scale: AS SHOWN
Date: 12.09.2022
Drawing No: 20220801

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

Approved:

Geoff Bowland MIEAust CPEng

ISSUE	DATE	AMENDMENT	INITIALS

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ISSUE DATE:- 15.12.2021

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 Peter Waugh indicated therein: Project No. - 2205
- 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 - NA
- 5. AS4055 - 2011 wind classification N3.0 50m/s (Vh,u).
- 6. AS1170.3 - 2002 Roof Design Snow Load for altitude 1640 m, for roof pitch 15° at TYNAM LODGE GUTHEGA NSW 2624 - Sr = 3.85 KPa, Sg = 5.09 KPa

STEEL:

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

SAFE INSTALLATION:

- 1. Ensure that the stability of the existing structure is not compromised by the work methods.

INSURANCES:

- 1. Provide evidence to the lodge of adequate insurances for the work.

ENSURE

- 1. All work is carried out in a good and tradesman like manner and all damages to existing services are repaired and made good.

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Drawing Title:
STRUCTURAL ENGINEERING DESIGN FOR PROPOSED BEAM INSTALLATION AT TWYNAM LODGE GUTHEGA NSW 2624

Client:
PETER WAUGH

Structural Sheet No. S02 of 5

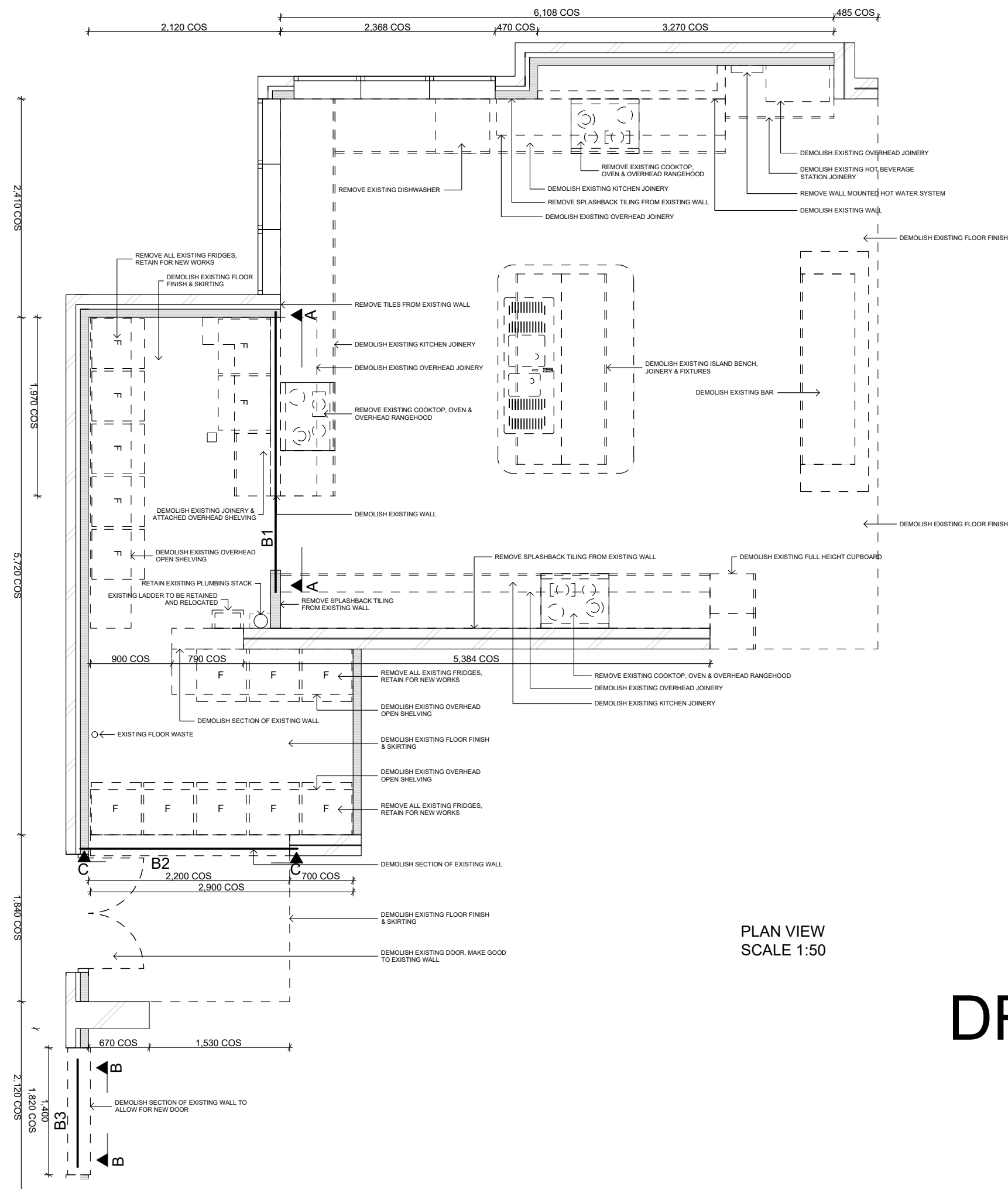
Scale: AS SHOWN
Date: 12.09.2022
Drawing No: 20220801

SPECIFICATIONS

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

Approved:			
Geoff Bowland MIEAust CPEng			
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Structural Sheet No. S03 of 5

Scale: AS SHOWN
Date: 12.09.2022
Drawing No: 20220801

PLAN VIEW

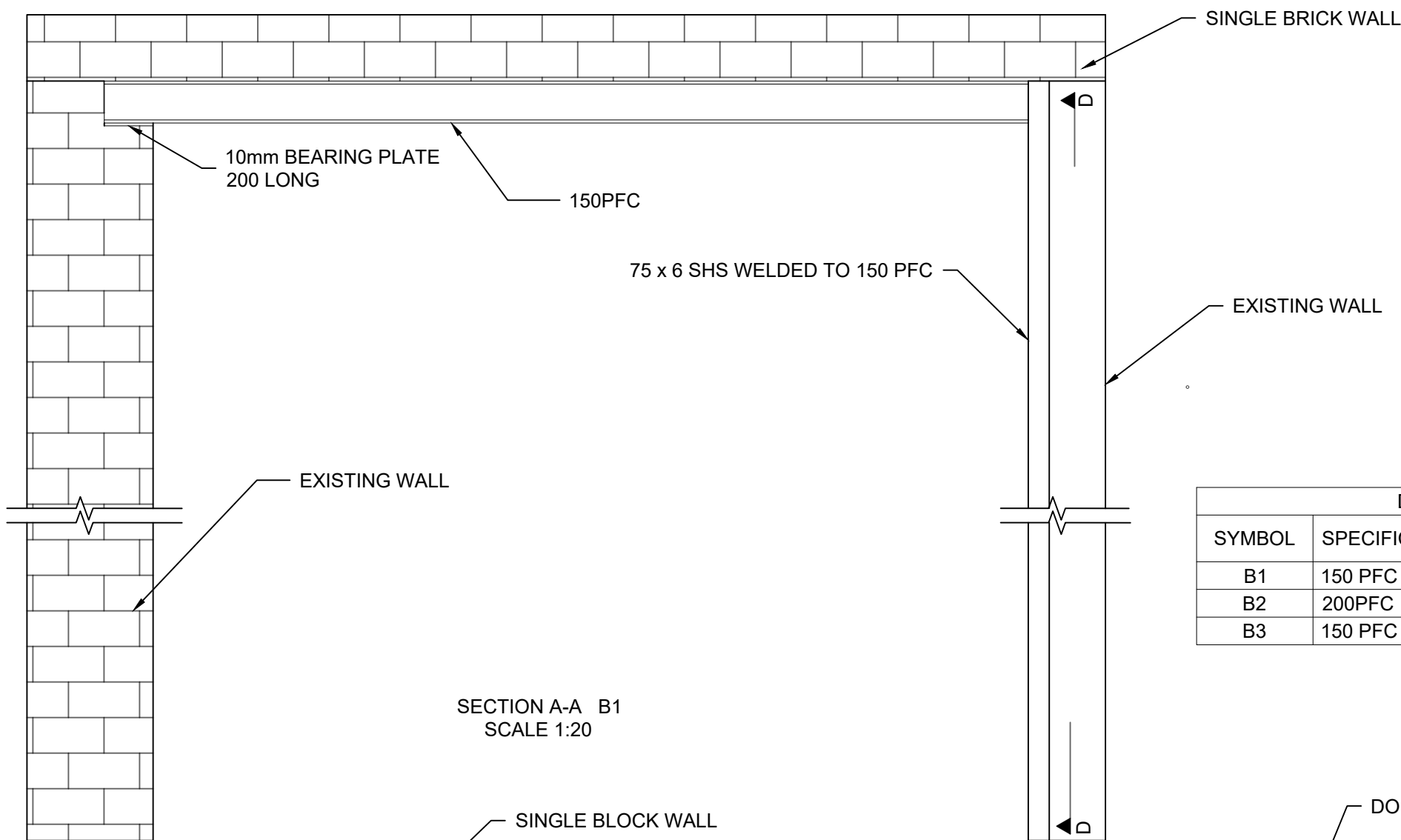
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Designed: G Bowland
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Checked: G Bowland

Approved:

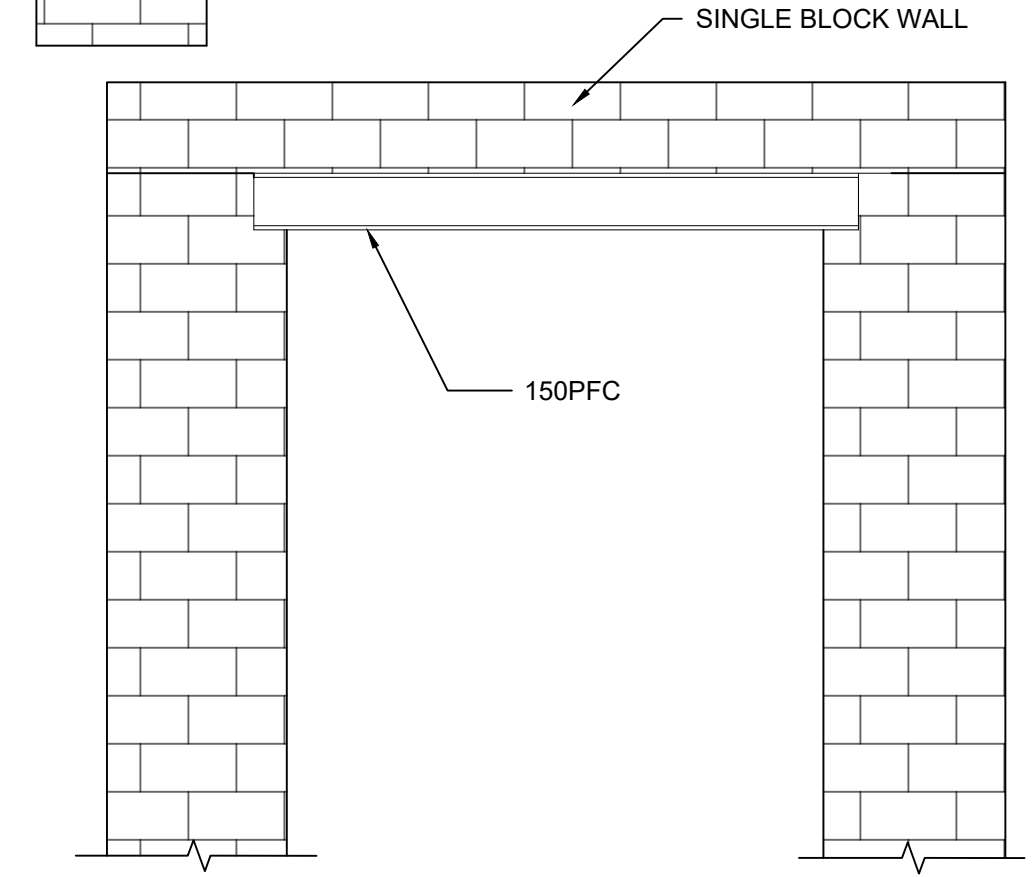
Geoff Bowland MIEAust CPEng

ISSUE	DATE	AMENDMENT	INITIALS

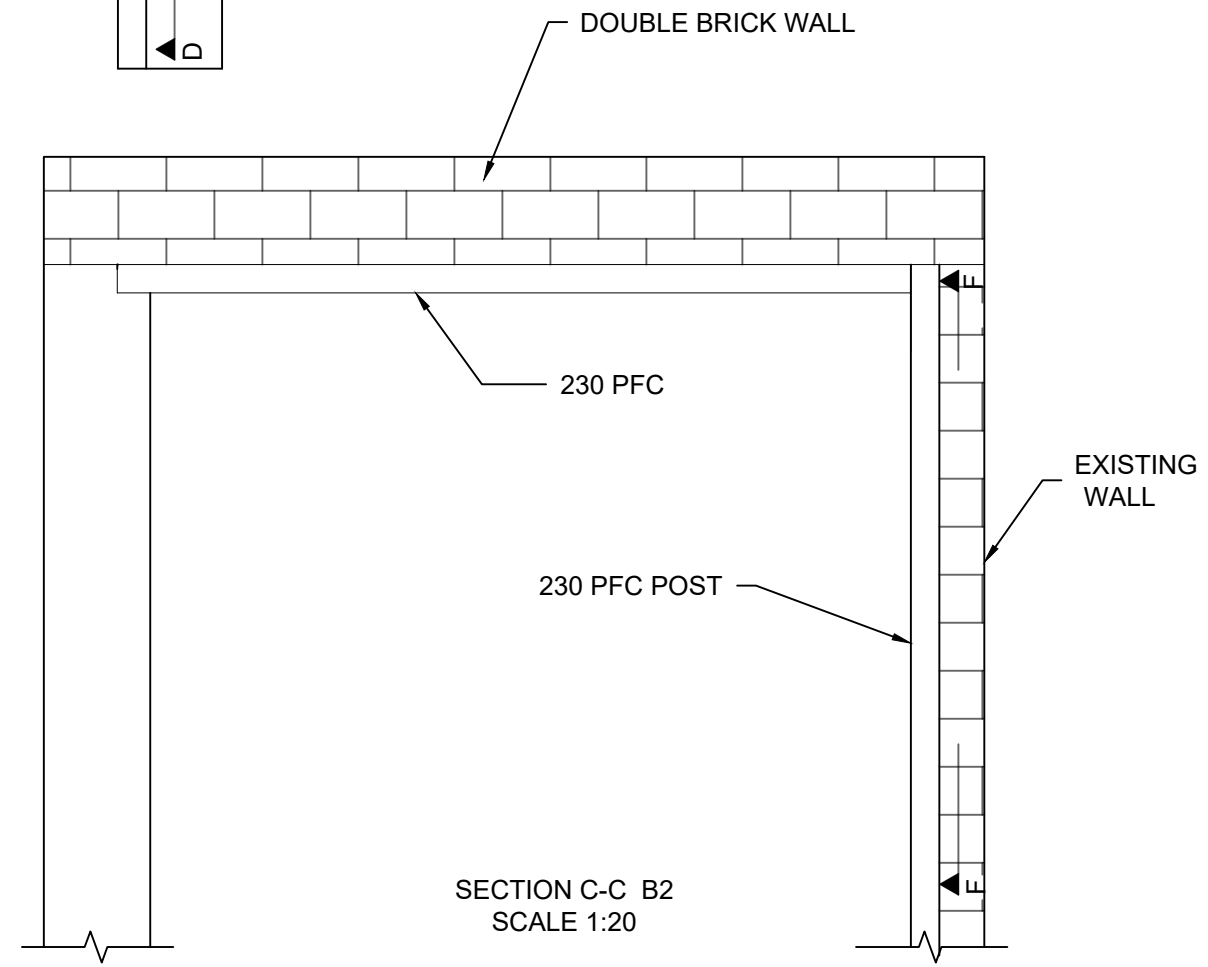
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SECTION A-A B1
SCALE 1:20



SECTION B-B B3
SCALE 1:20



SECTION C-C B2
SCALE 1:20

DRAFT

DATA SPECIFICATIONS		
SYMBOL	SPECIFICATIONS	MAX SPAN
B1	150 PFC	3.3m
B2	200PFC	2.1m
B3	150 PFC	1.6m

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Drawing Title:

STRUCTURAL ENGINEERING DESIGN FOR PROPOSED BEAM INSTALLATION AT TWYNAM LODGE GUTHEGA NSW 2624

Client:

PETER WAUGH

Structural Sheet No. S04 of 5

Scale: AS SHOWN
Date: 12.09.2022
Drawing No: 20220801

ELEVATION

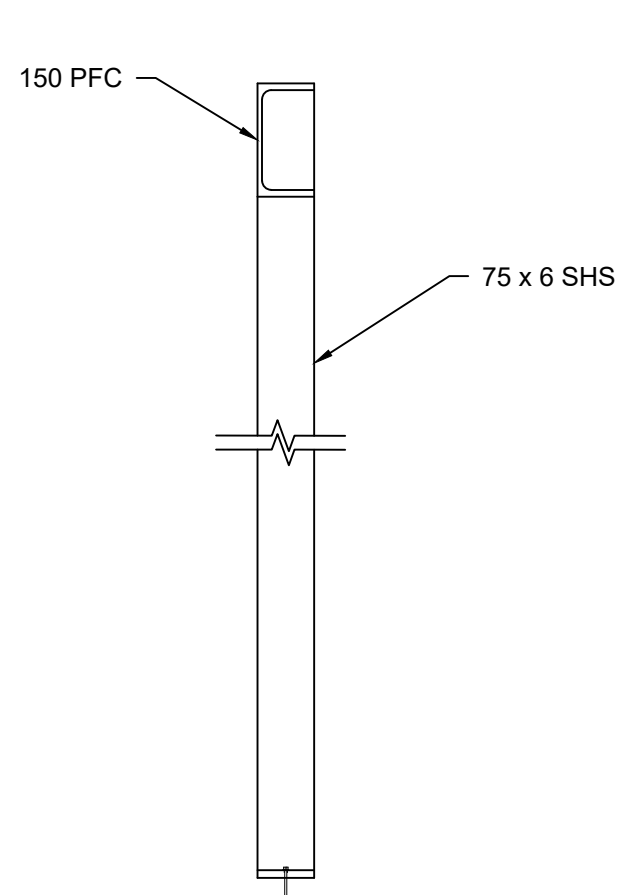
Sheet Size:- A3
Designed: R Henry
Drawn: R Henry
Checked: G Bowland

Approved:

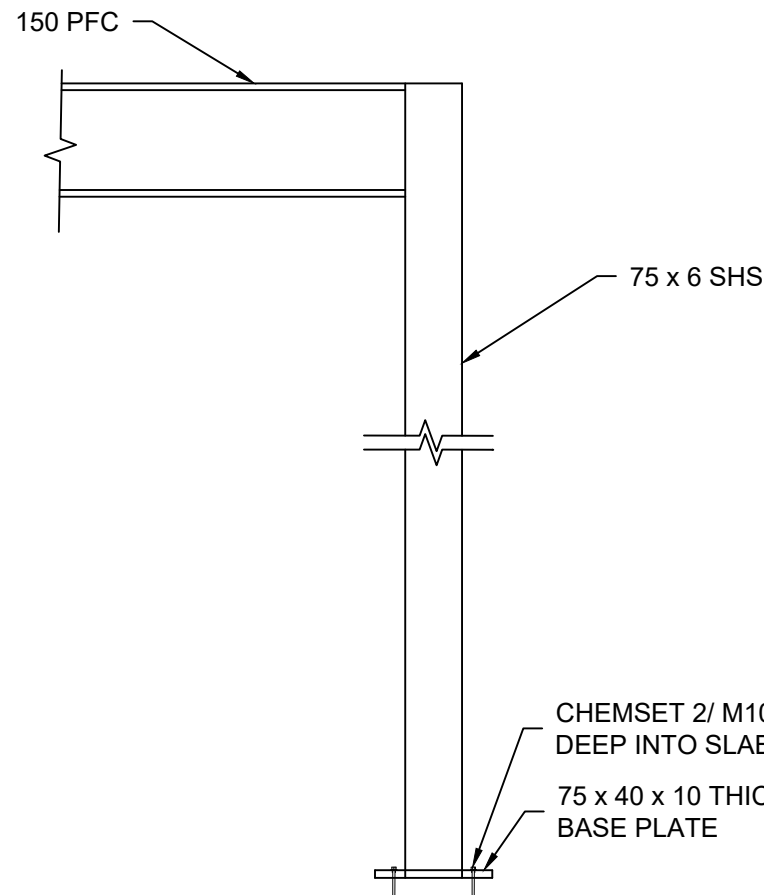
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ISSUE	DATE	AMENDMENT	INITIALS

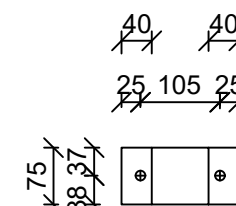
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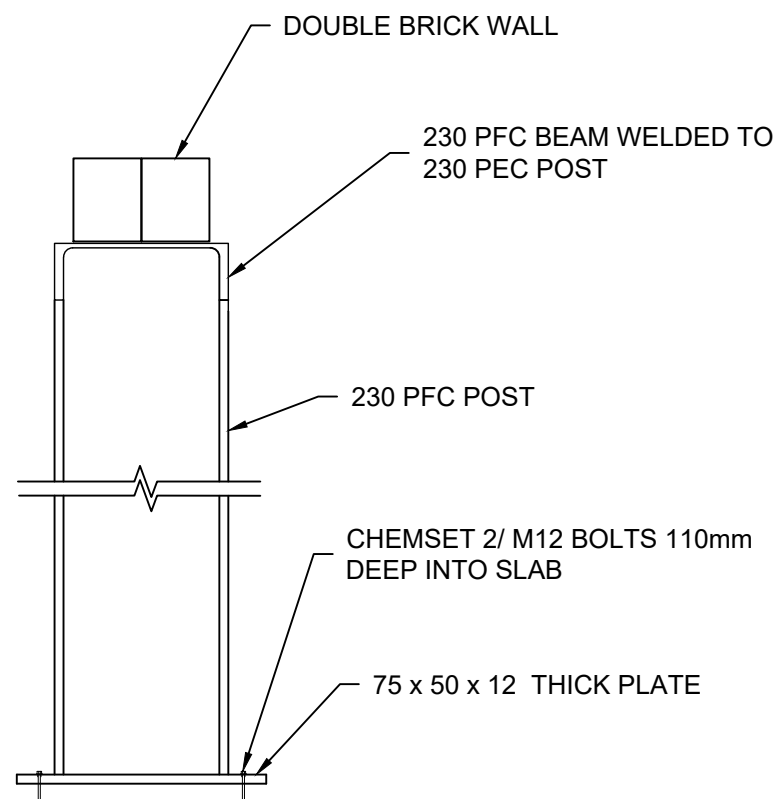
SECTION D-D
SCALE 1:10



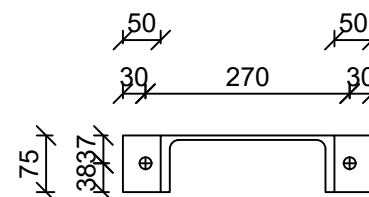
ELEVATION N D-D
SCALE 1:10



BASE PLATE CONNECTION DETAILS
SCALE 1:10



SECTION F-F
SCALE 1:10



NOTE

1. WEDGE BEAM TO CALCULATED HALF MAX DEFLECTION 3mm AND GROUT BACK
2. SUPPORT EXISTING BRICK WORK BY PINING PRIOR TO REMOVAL OF UNDER BRICK WORK
3. IF THERE IS ANY MATERIAL DIFFERENCE TO WALL THICKNESS PLEASE ADVISE THE DESIGNER RICHARD HENRY

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Structural Sheet No. S05 of 5

Scale: AS SHOWN

Date: 12.09.2022

Drawing No: 20220801

SECTIONS

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Drawn: R Henry

Checked: G Bowland

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