

PRACTICAL ENGINEERING SOLUTIONS PTY LTD

Civil & Structural Consulting Engineers

Residential & Commercial Buildings

office@practicalengineers.com.au

Our Reference: 2023 072713A

Contact Officer – Ovi Boaru MIEAust CPEng

M 0402 15 22 16



ACN 157 931 069

03 February 2025

Owners of Hi Noon Ski Club

12 Banjo Drive Thredbo NSW 2625

Care of Paul Kupacz – Hi Noon Club

Dear Planning Department,

Re: Civil & Structural Engineering Design for proposed alterations and additions – bike storage – at Hi Noon Ski Club – Thredbo NSW as per Practical Engineering Design – No 20230727A – Sheets S01 to S06 dated 15.07.2024 with S03, S04 S05 & S06 attached V2 dated 15.07.2024

Please note that Practical Engineering Design Shows the tree outside of the footpath as it is the intension of the design and site measurements to protect the tree while building a pedestrian access footpath at Hi Noon Thredbo

The club has provided a sketch attached – where it indicates that the location of the tree is to remain.

This is to assess that there are no changes to the engineering design drawings listed above – regarding maximum slopes, etc - for wheel chair access footpath, while the tree is being retained.

If you have any further queries, please contact myself on 0402 15 22 16, thank you.

Ovi Boaru

Civil & Structural Engineer CPEng NER

for Practical Engineering Solutions Pty Ltd

Office & Mail: 46 Egan Street COOMA NSW 2630



Department of Planning
Housing and Infrastructure

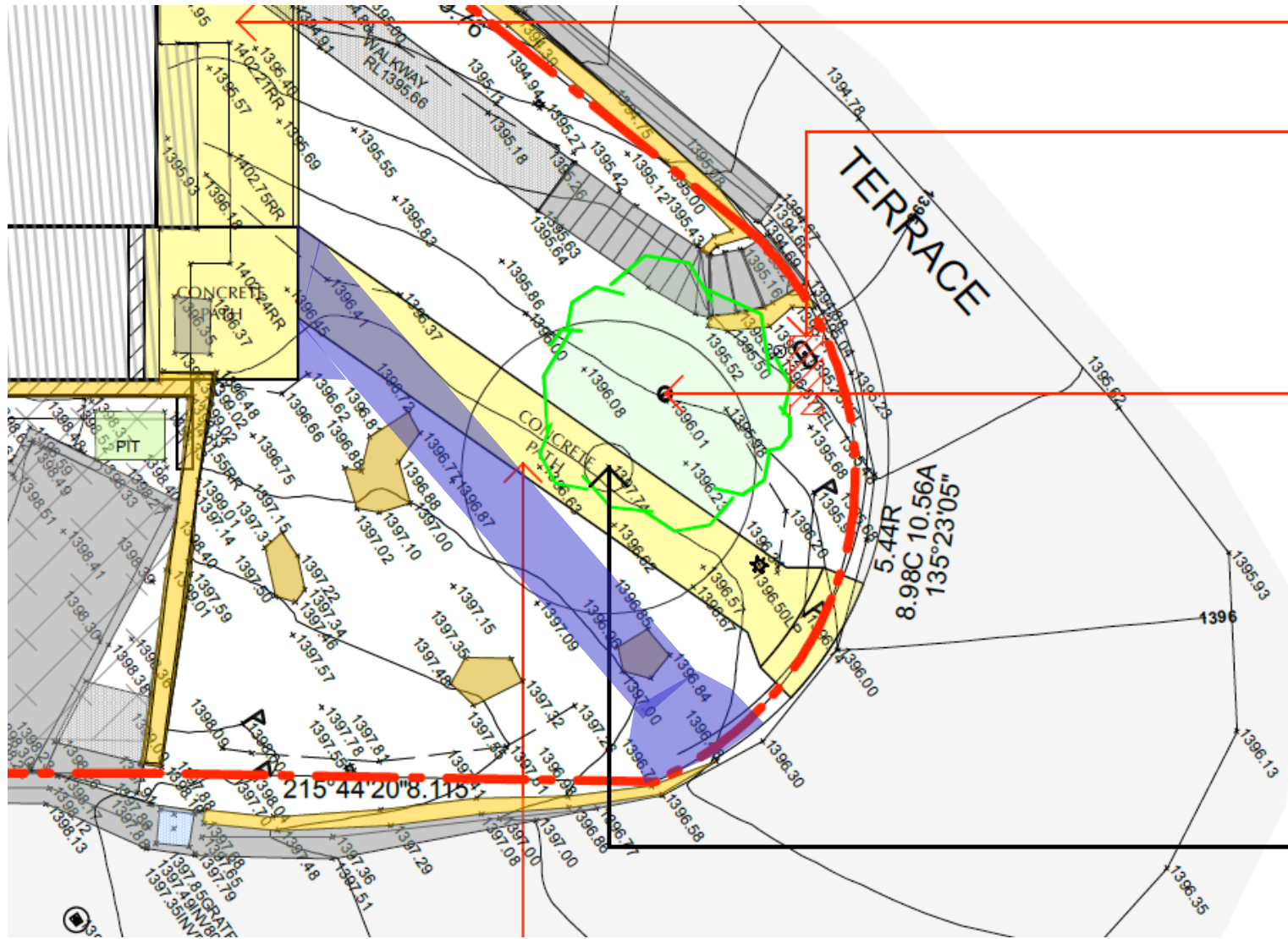
Issued under the Environmental Planning and Assessment Act 1979

Approved Application No 24/17507

Granted on the 26/2/2025

Signed Z Derbyshire

Sheet No 29 of 29



PROPOSED ACCESS RAMP.

LOCATION OF EXISTING LIGHT POST & STREET SIGN TO REMAIN.

LOCATION OF EXISTING TREE TO REMAIN

NOTE: TREE SHOWN IN PATH LINE DOES NOT EXIST.

Proposed Alterations & Additions
HI NOON SKI CLUB
12 BANJO DRIVE THREDBO NSW 2625

PRACTICAL ENGINEERING SOLUTIONS P/L



ACN 157 931 069

STRUCTURAL DRAWING LIST

SHEET NO	TITLE
S01	COVER
S02	SPECIFICATIONS
S03	FOOTING, ACCESS PATH & FLOOR PLAN
S04	PATH LONG SECTION
S05	FRAMING PLAN
S06	SECTIONS

PRACTICAL ENGINEERING
SOLUTIONS P/L

ABN 67 157 931 069
**Structural &
Project Management ENGINEERS**
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M: 0402 15 22 16
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Drawing Name:


Proposed Alterations & Additions
HI NOON SKI CLUB
12 BANJO DRIVE THREDBO NSW
2625

Client:
HI NOON SKI CLUB

Structural Sheet No. S01 of 6

Scale: NTS
Date: 15.07.2024
Drawing No: 20230727A
COVER PAGE

Sheet Size: A3
Designed: O Boaru
Drawn: A Sferle
Checked: O Boaru

Approved:

Ovi Boaru MIEAust CPEng

ISSUE	DATE	AMENDMENT	INITIALS
V1	08.08.24	FOOTPATH	OB

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.

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 referred 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 TZ DESIGN Architect indicated therein:
Plans No. - 353 revision E
Plan date - 09.01.23
Roof Structure -
Wall Structure -
Floor Structure - BEARERS & JOISTS

6. Reference to UNO = Unless Noted Otherwise & NA = Not Applicable.

7. Handrail construction to BCA requirements. NA

8. Where disturbed existing building must have bracing and tie-down investigated by the builder and referred to the Engineer for compliance checking.

SITE CONDITIONS:

1. Stability/Vegetation -

2. Drainage -

3. Soil Type/profile -

4. AS2870 - 2011 site classification - report

5. AS4055 - 2012 wind classification N3

6. AS1170.3 - 2003 Ultimate Ground Design 1 / 150 Snow Load AT Thredbo - 9.3 KPa
- NA

NA

NA

Class 'P' See geotech

50m/s (Vh,u).

CONCRETE:

1. All concrete works to be in accordance with AS3600 2001

2. Concrete strength cover and durability details (refer AS3600)
Footings - 32 MPa
Internal Slab Garage -25MPa
External Slab - 40 MPa (or 20MPa if weather proofed, ie tiling)
Beams/Columns - NA

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 2870-2011.

MASONRY:

1. All masonry (clay, stone and concrete) to comply with AS3700 2011. masonry code.

2. Masonry control joints to AS3700.

3. Core fill grout mix for hollow block fill to be 20 MPa.

TIMBER:

1. All timber construction to comply with Australian Framing Code AS1684.2 - 2010.

2. Bracing and tie down as shown on These Sheets 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.

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Drawing Name:

Proposed Alterations & Additions
HI NOON SKI CLUB
12 BANJO DRIVE THREDBO NSW 2625


Client:
HI NOON SKI CLUB

Structural Sheet No. S02 of 6

Scale: NTS
Date: 15.07.2024
Drawing No: 12.07.2024
COVER PAGE

Sheet Size: A3
Designed: O Boaru
Drawn: A Sferle
Checked: O Boaru

Approved:


Ovi Boaru MIEAust CPEng

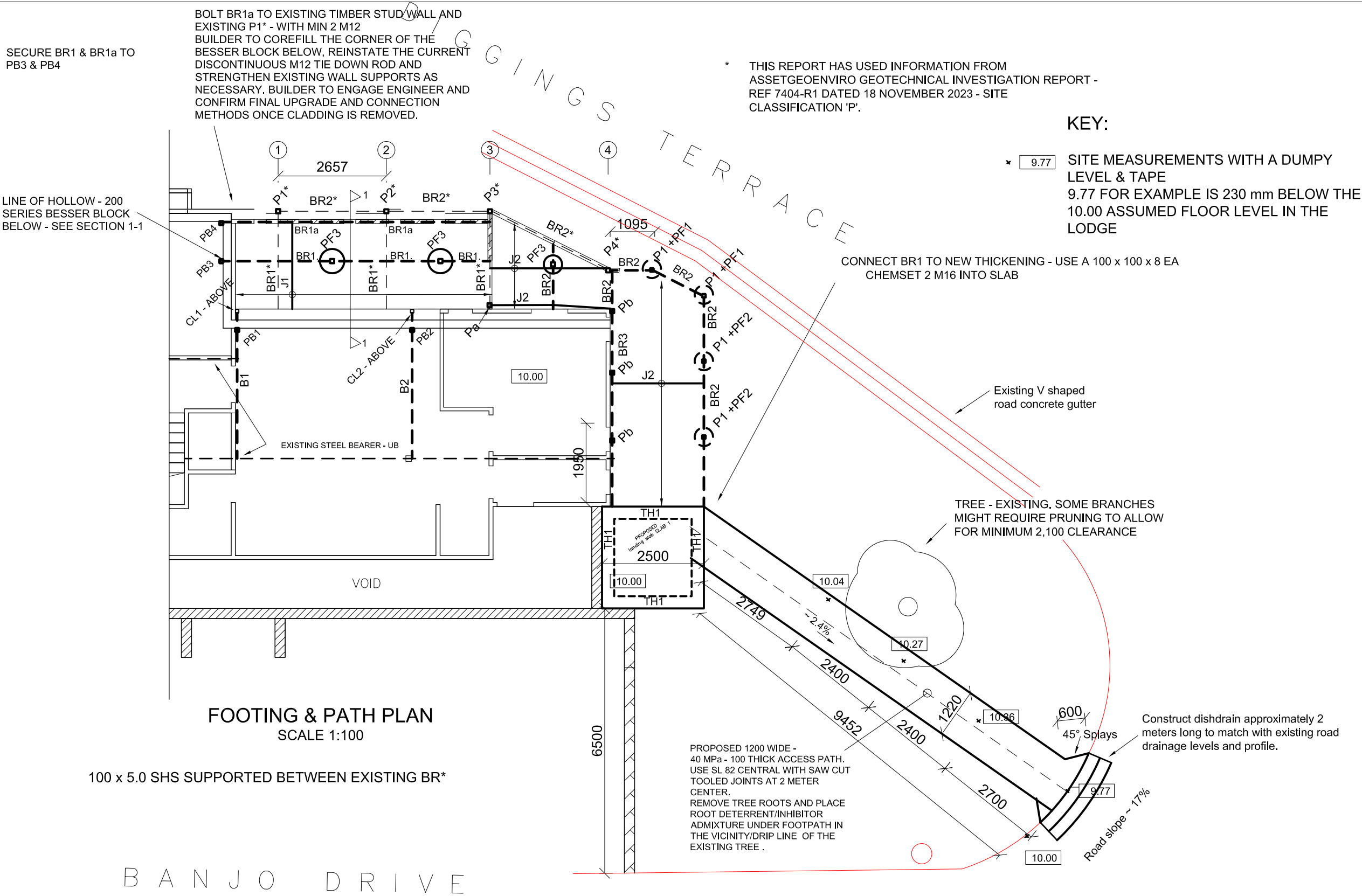
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Client:

HI NOON SKI CLUB

Structural Sheet No.

S03 of 6

Scale:

1:100

Date:

15.07.2024

Drawing No:

20230727A
FOOTING AND PATH PLAN

Sheet Size:

A3

Designed:

O Boaru

Drawn:

A Sferle

Checked:

O Boaru

Approved:

Boaru

Ovi Boaru MIEAust CPEng

ISSUE	DATE	AMENDMENT	INITIALS
V1	08.08.24	FOOTPATH	OB
V2	19.09.24	STEEL	OB

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HI NOON SKI CLUB
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2625

Client:

HI NOON SKI CLUB

Structural Sheet No. S04 of 6

Scale: 12:20,1:100

Date: 15.07.2024

Drawing No: 20230727A
PATH LONG SECTION


Sheet Size: A3

Designed: O Boaru

Drawn: A Sferle

Checked: O Boaru

Approved:


Ovi Boaru MIEAust CPEng

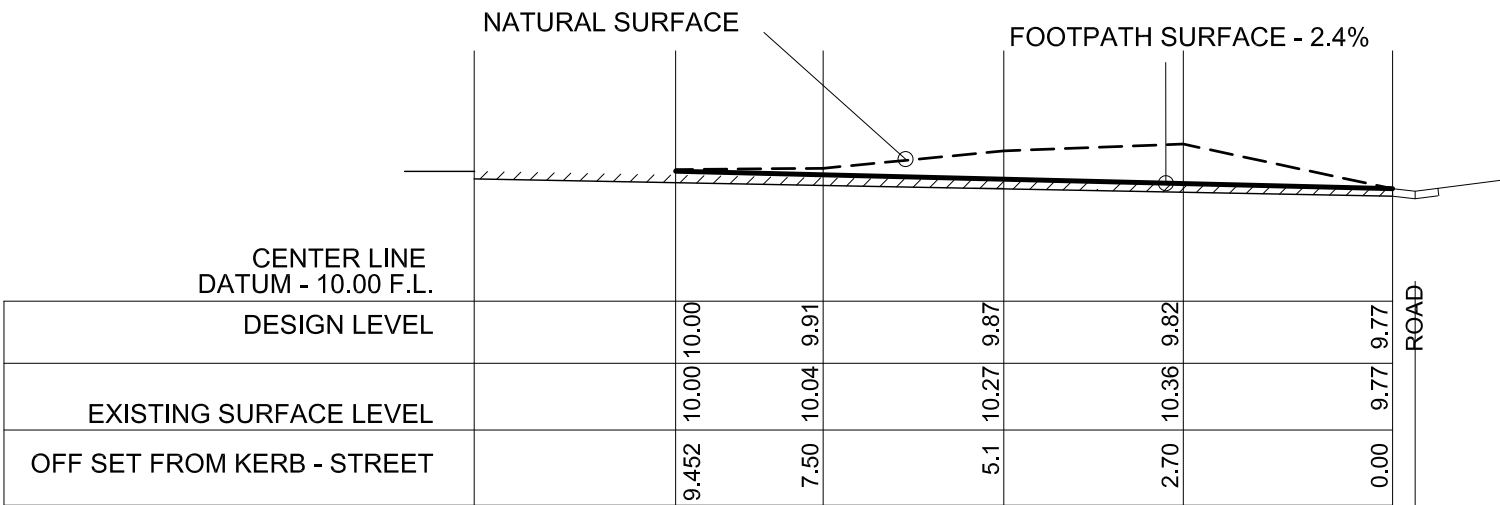
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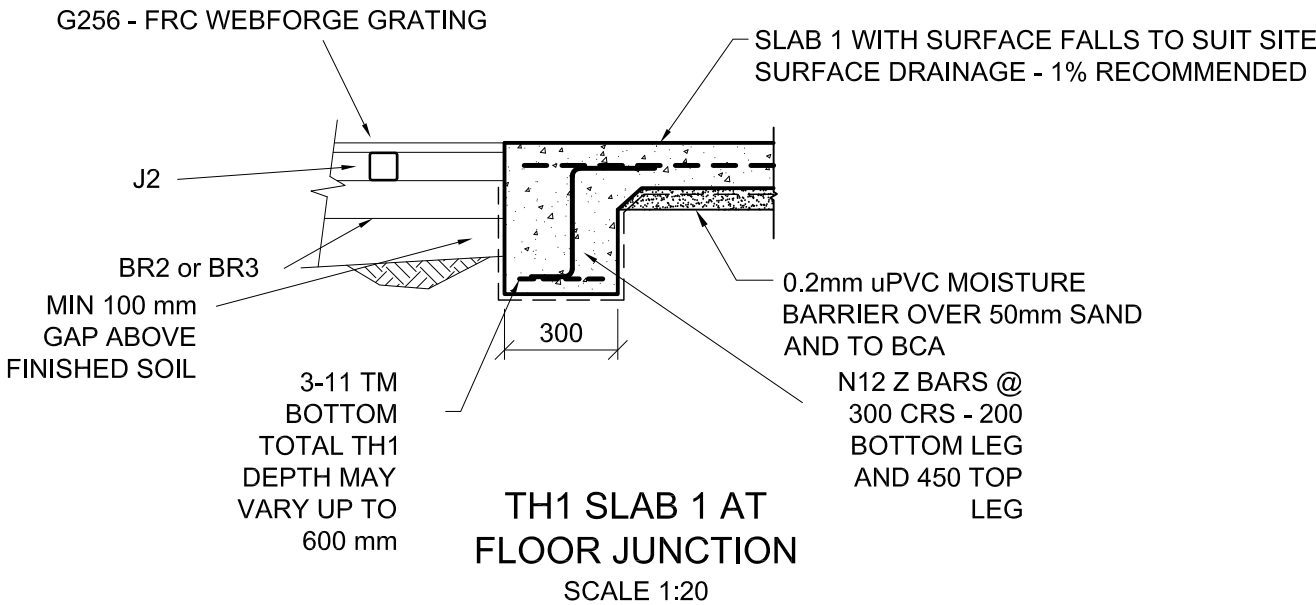
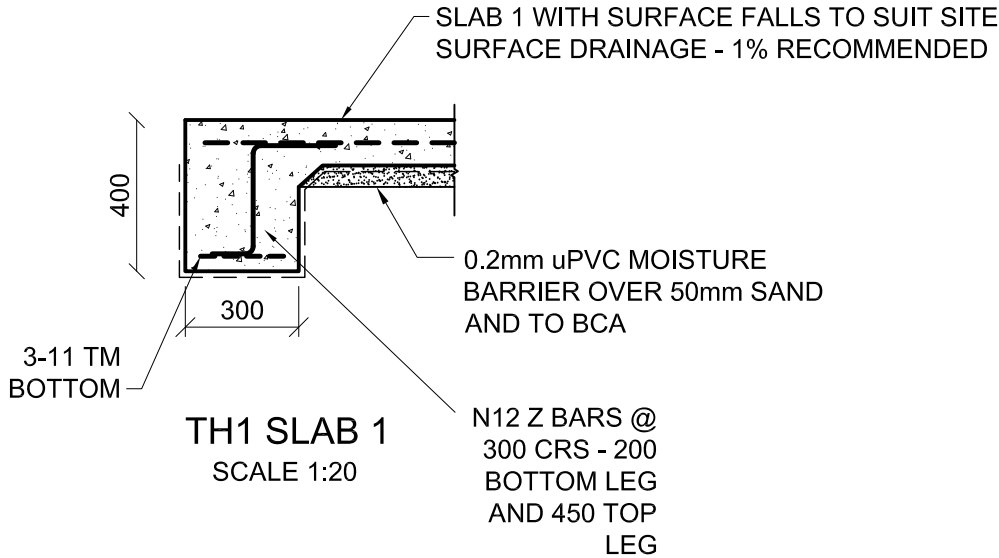
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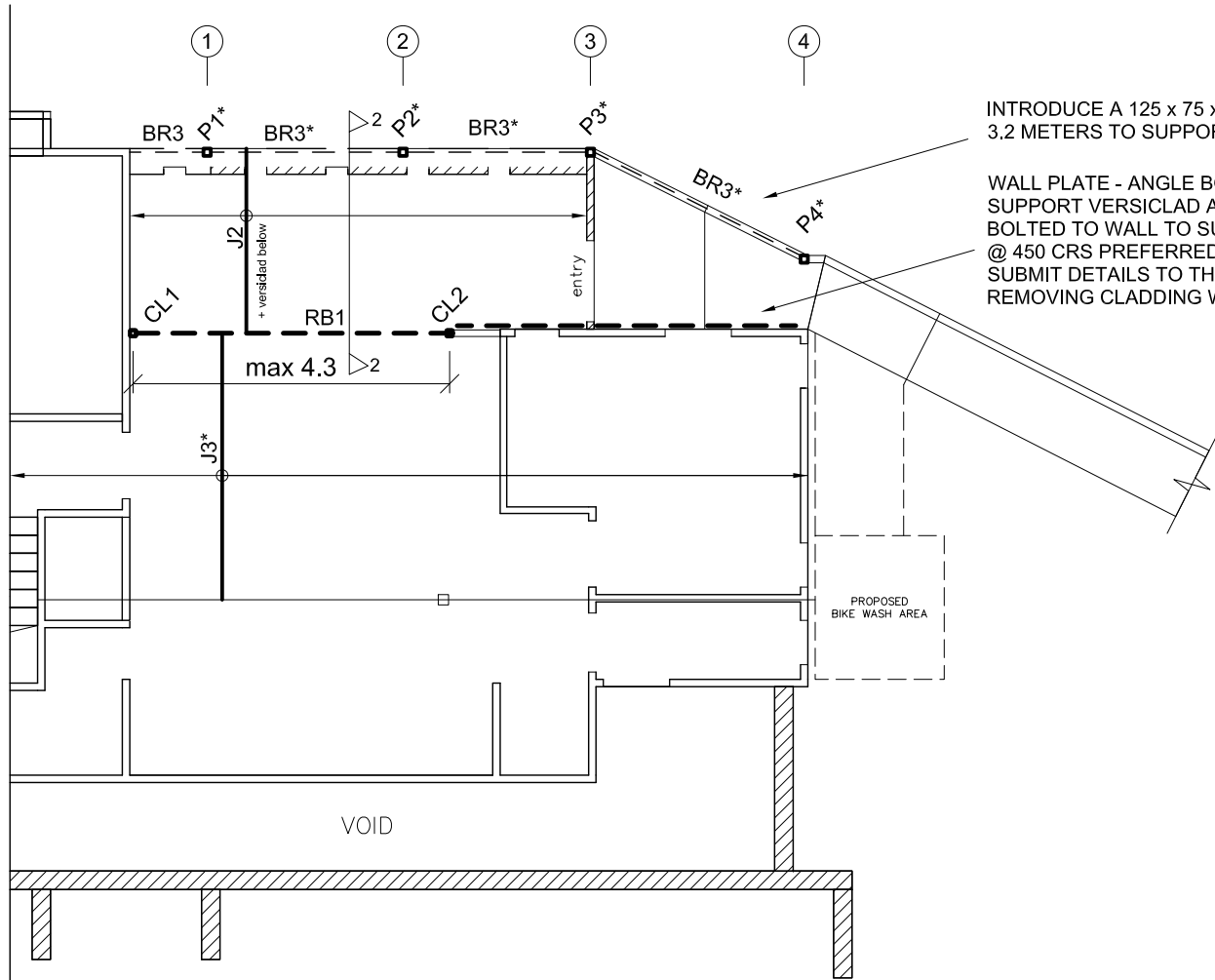
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PROPOSED FOOTPATH LONG SECTION ~
2.1% GRADE
SCALE 1:100





INTRODUCE A 125 x 75 x 3.0 RHS MAX SPAN 3.2 METERS TO SUPPORT VERSICLAD HERE

WALL PLATE - ANGLE BOLTED TO STUDS TO SUPPORT VERSICLAD AND STEEL PLATE BOLTED TO WALL TO SUPPORT JOISTS. 2 M10 @ 450 CRS PREFERRED. SUBMIT DETAILS TO THIS OFFICE AFTER REMOVING CLADDING WHERE IN DOUBT

SYMBOL	SPECIFICATION	MAX SPAN
RB1	230 PFC WELDED BETWEEN CL1 & CL2	4.3 m
-	-	-
CL1 & CL2	89 x 6.0 SHS TO STEEL BEAM BELOW	-
J*, BR*	EXISTING STRUCTURE	-
-	-	-
-	-	-

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Client:
 HI NOON SKI CLUB

Structural Sheet No. S05 of 6

Scale: 1:20, 1:100
 Date: 15.07.2024
 Drawing No: 20230727A
 FRAMING PLAN

Sheet Size: A3
 Designed: O Boaru
 Drawn: A Sferle
 Checked: O Boaru

Approved:

Boaru

Ovi Boaru MIEAust CPEng

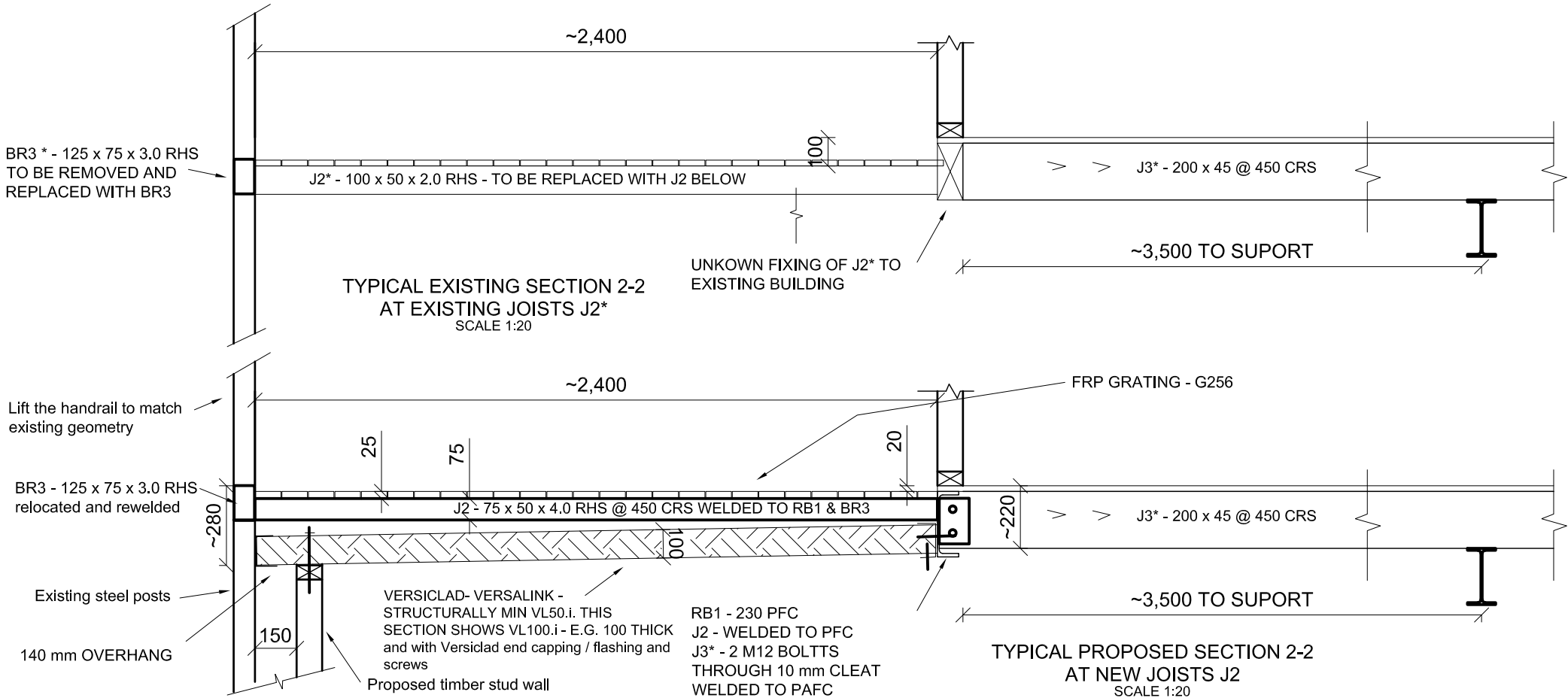
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Structural Sheet No. S06 of 6

Scale: 1:20
Date: 15.07.2024
Drawing No: 20230727A
SECTIONS FLOOR

Sheet Size: A3
Designed: O Boaru
Drawn: A Sferle
Checked: O Boaru

Approved:

Ovi Boaru MIEAust CPEng

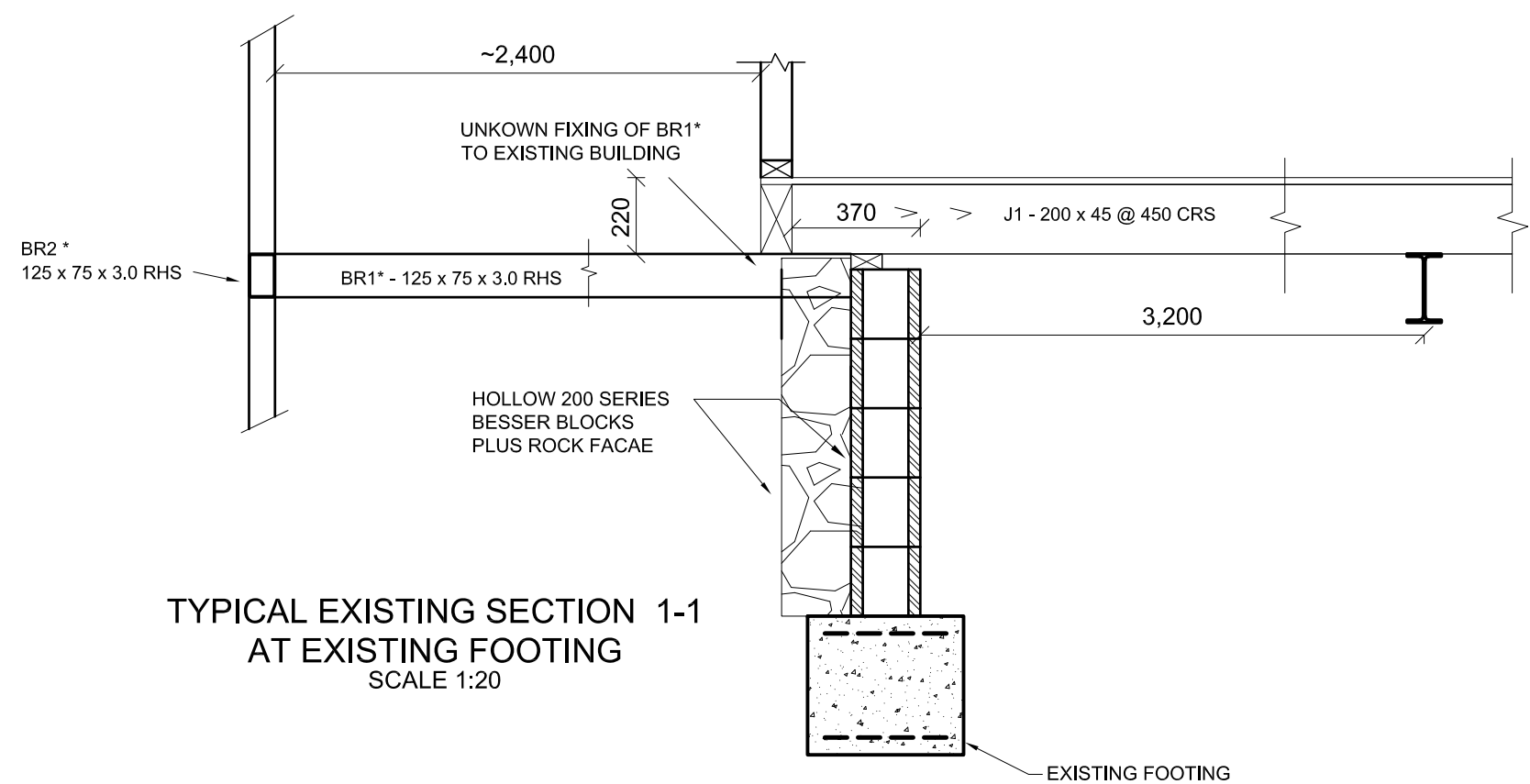
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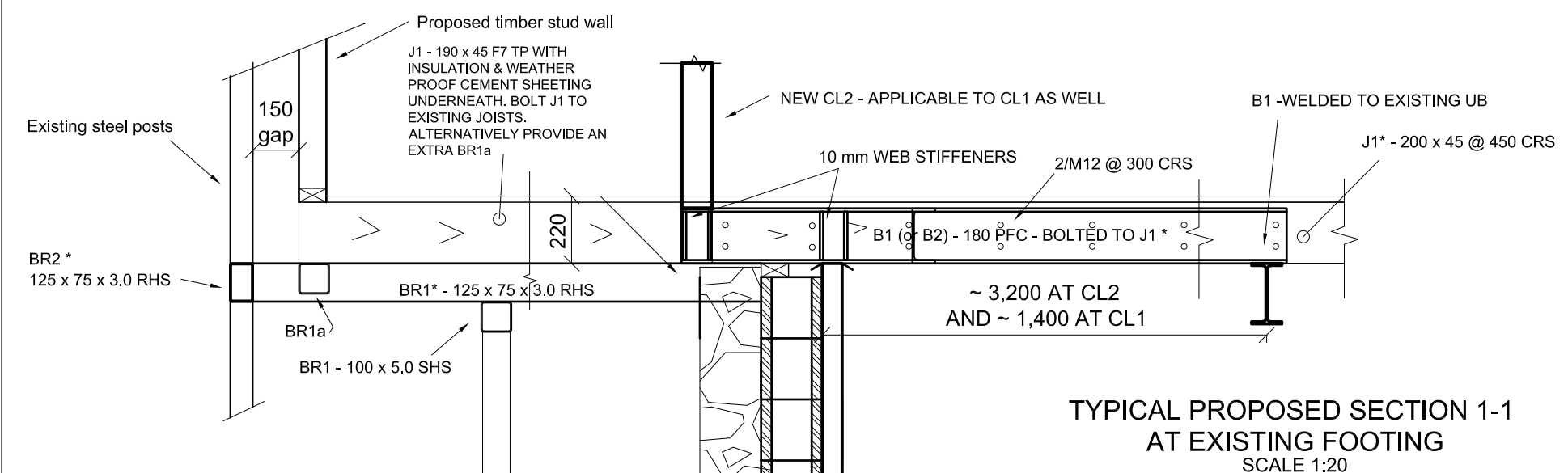
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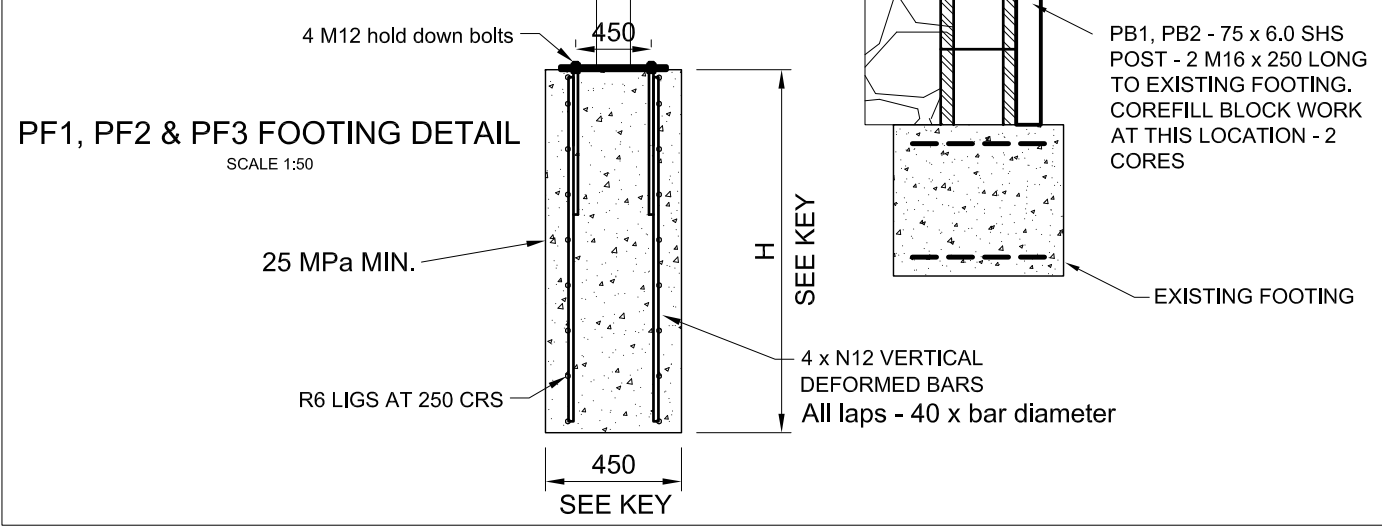
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TYPICAL EXISTING SECTION 1-1
AT EXISTING FOOTING
SCALE 1:20



TYPICAL PROPOSED SECTION 1-1
AT EXISTING FOOTING
SCALE 1:20



PF1, PF2 & PF3 FOOTING DETAIL
SCALE 1:50