

APPENDIX B

STRUCTURAL ENGINEERING DRAWINGS



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

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**Structural &
Project Management ENGINEERS**
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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 -

5. AS4055 - 2012 wind classification N3

6. AS1170.3 - 2003 Ultimate Ground Design 1 / 150 Snow Load
- NA

NA

NA

Class 'P' See geotech report

40m/s (Vh,u).

AT Thredbo - 9.3 KPa

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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Client:
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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

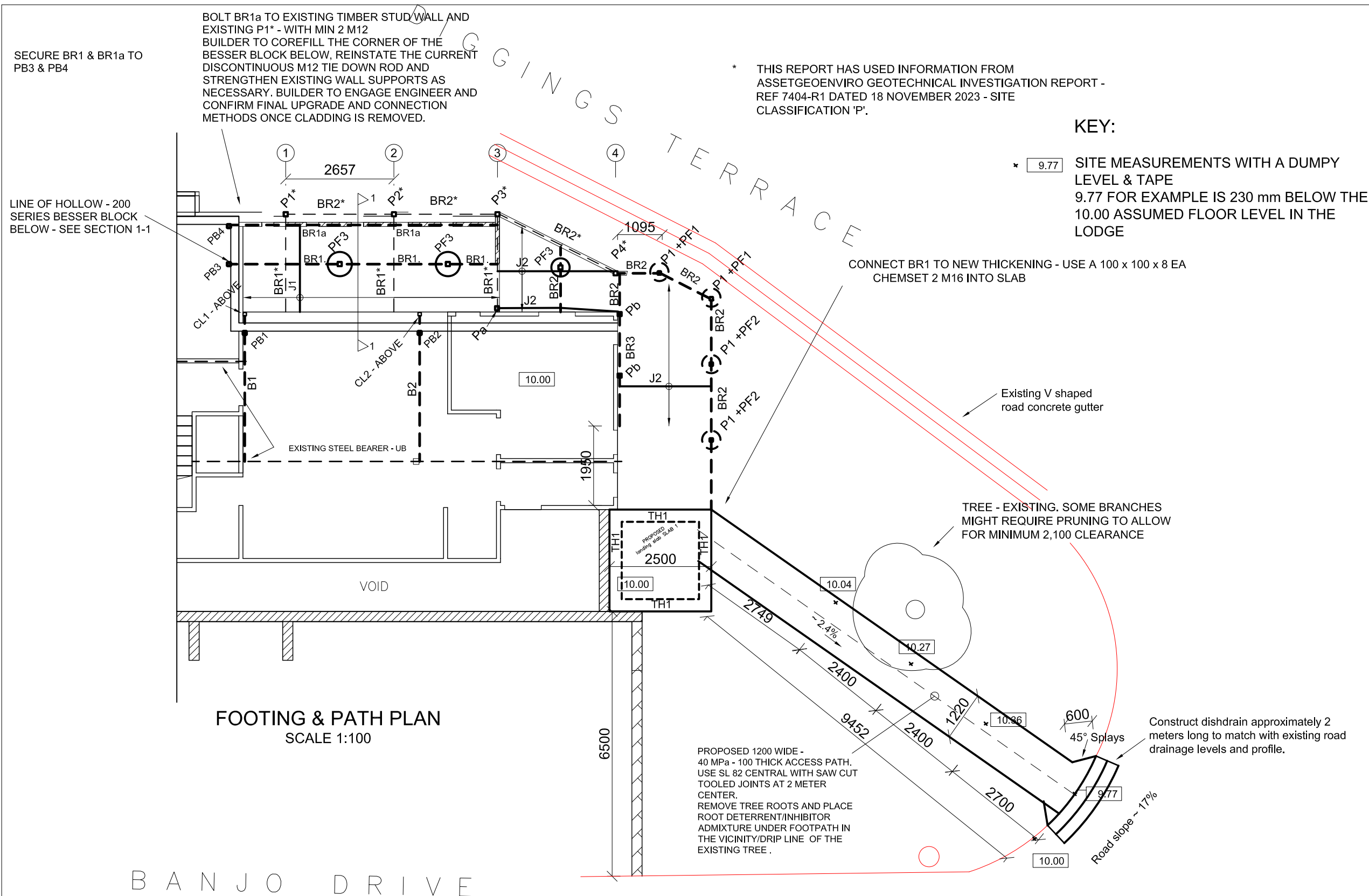
ISSUE	DATE	AMENDMENT	INITIALS
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Client:
HI NOON SKI CLUB

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:

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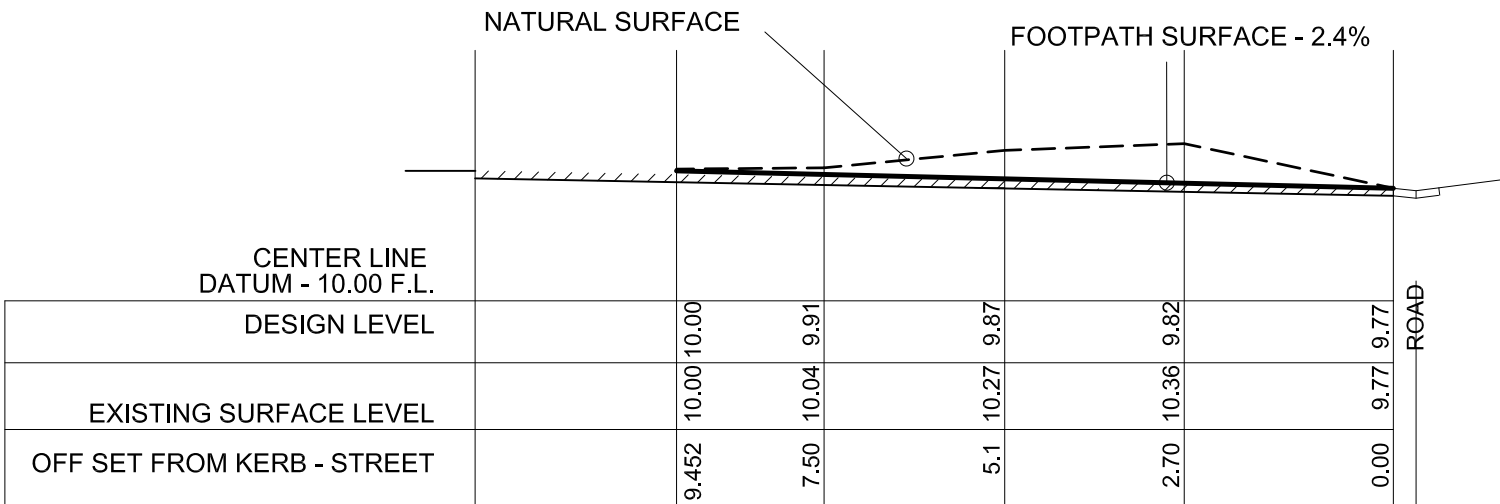
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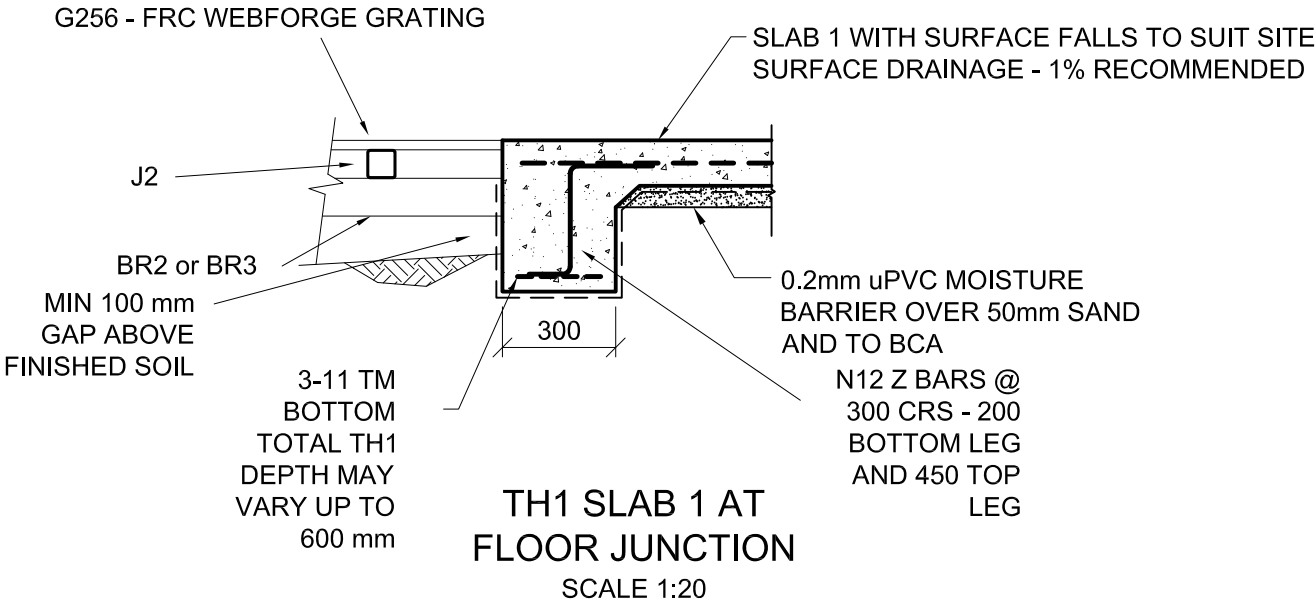
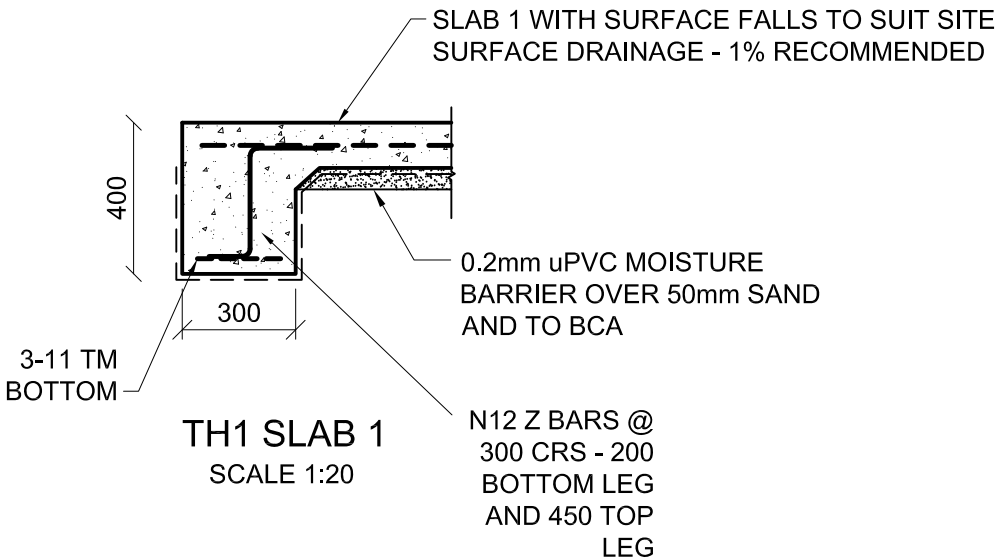
All workmanship and materials to conform with latest edition of the Building Code of Australia and relevant Australian Standards.

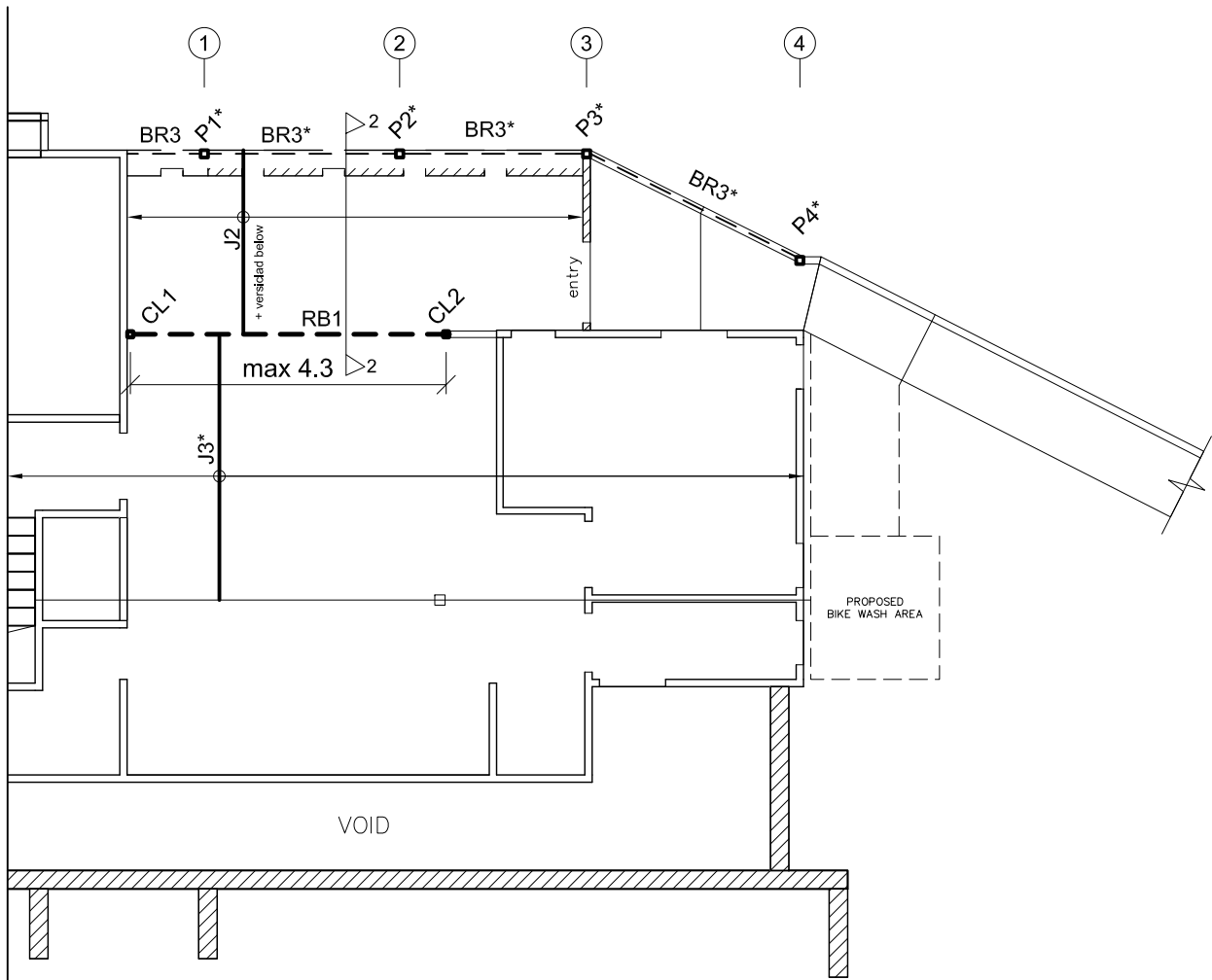
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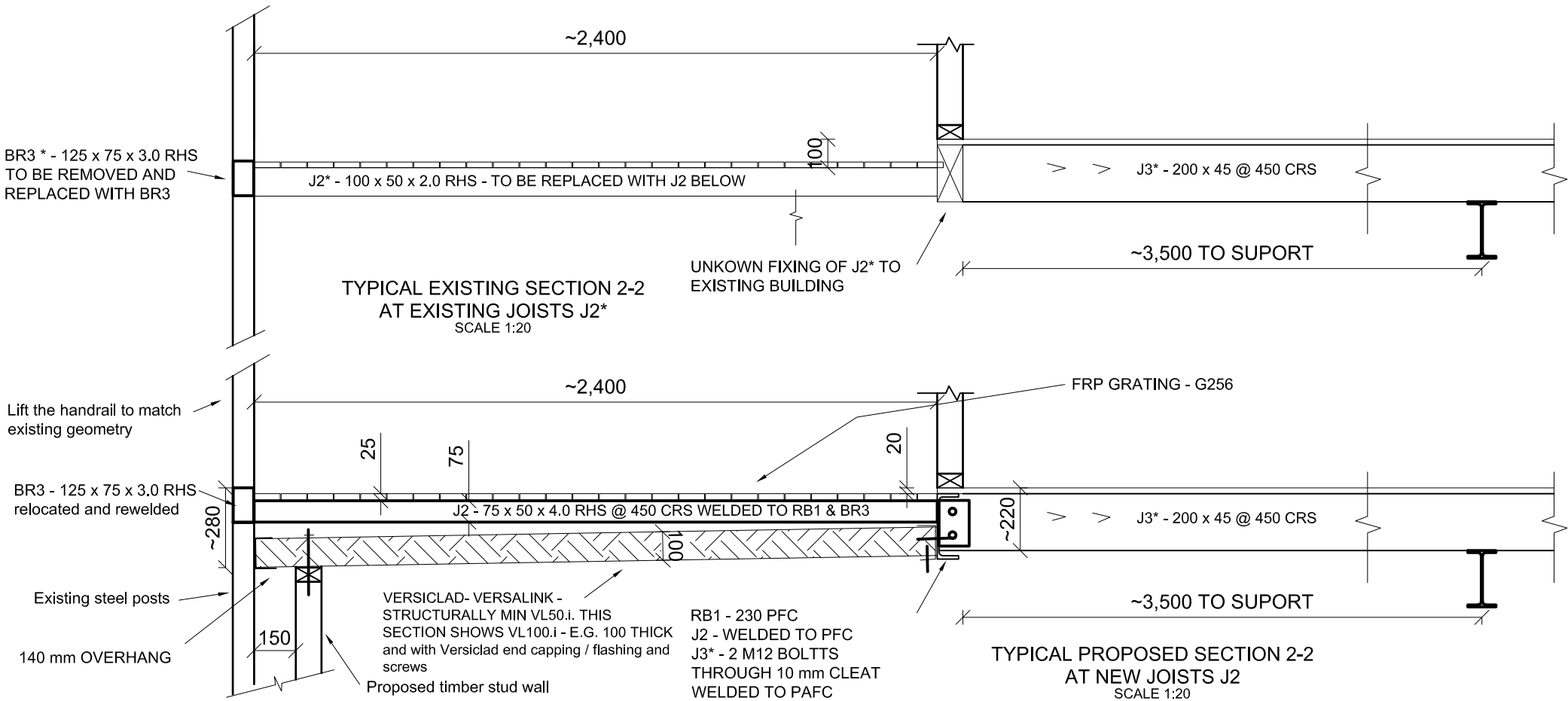
PROPOSED FOOTPATH LONG SECTION ~
2.1% GRADE
SCALE 1:100





FRAMING PLAN
SCALE 1:100

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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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
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