Proposed Concrete Slab to Support Ice Making Factor at Friday Flat - Thredbo NSW

PRACTICAL ENGINEERING SOLUTIONS P/L



ACN 157 931 069

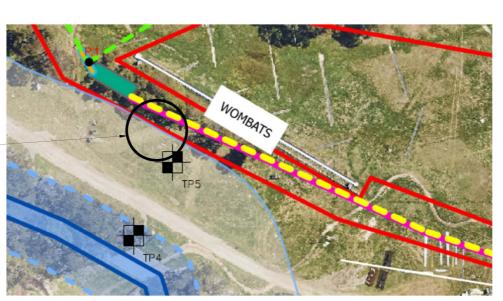
STRUCTURAL DRAWING LIST

SHEET NO	TITLE

S01	COVER
S02	SPECIFICATIONS
S03	SLAB & FOOTING PLAN
S04	FOOTING SECTIONS
S05	RETAINING WALL DESIGN



PROPOSED LOCATION



PRACTICAL ENGINEERING SOLUTIONS P/L

ABN 67 157 931 069
Structural & Project Management ENGINEERS

46 Egan Street Cooma NSW 2630

M: 0402 15 22 16

office@practicalengineers.com.au

Drawing Name:

Proposed Concrete Slab to Support Ice Making Factor at Friday Flat -Thredbo NSW

Client:

KOSCIUSZKO THREDBO P/L C/- RUSSELL NURIDIN THREDBO NSW 2627 Structural Sheet No. S01 of 5

Scale: NTS **Date:** 06.11.2024

2024 1018A COVER PAGE

Sheet Size: A3

Designed: O Boaru

Drawn: A Sferle
Checked: O Boaru

Approved:

Drawing No:

Ovi Boaru MIEAust CPEng

Γ	ISSU	E DATE	AMENDMENT	INITIALS
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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.

LOCALITY MAP - GEOTECH REPORT EXTRACT

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 KT Py Ltd Architect indicated therein:

Plans No. - KTI - SNOW PRO 260, Preliminary 03.04.2023

Plan date - 03.04.2023

Roof Structure - Steel Container Roof

Wall Structure - Steel Container Wall

Floor Structure - Concrete Slab

- 6. Reference to UNO = Unless Noted Otherwise & NA = Not Applicable.
- 7. Handrail construction to BCA requirements.
- Where disturbed existing building must have bracing and tie-down investigated by the builder and referred to the Engineer for compliance checking. NA

SITE CONDITIONS:

1. Stability/Vegetation -

NA NA

2. Drainage -

NA

3. Soil Type/profile -

NA

4. AS2870 - 2011 site classification - Class 'P' See geotech report Ref 7604-R1-Rev1 Dated 26 September 2024 by AssestGeoEnviro

5. AS4055 - 2012 wind classification N3

50m/s (Vh,u).

6. AS1170.3 - 2003 Ultimate Ground Design 1 / 150 Snow Load AT Thredbo - 9.0 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:

- 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:

KOSCIUSZKO THREDBO P/L C/- RUSSELL NURIDIN THREDBO NSW 2627 Structural Sheet No. S02 of 5

 Scale:
 NTS

 Date:
 06.11.2024

 Drawing No:
 2024 1018A

SPECIFICATIONS

Sheet Size: A3

Designed: O Boaru

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Approved:

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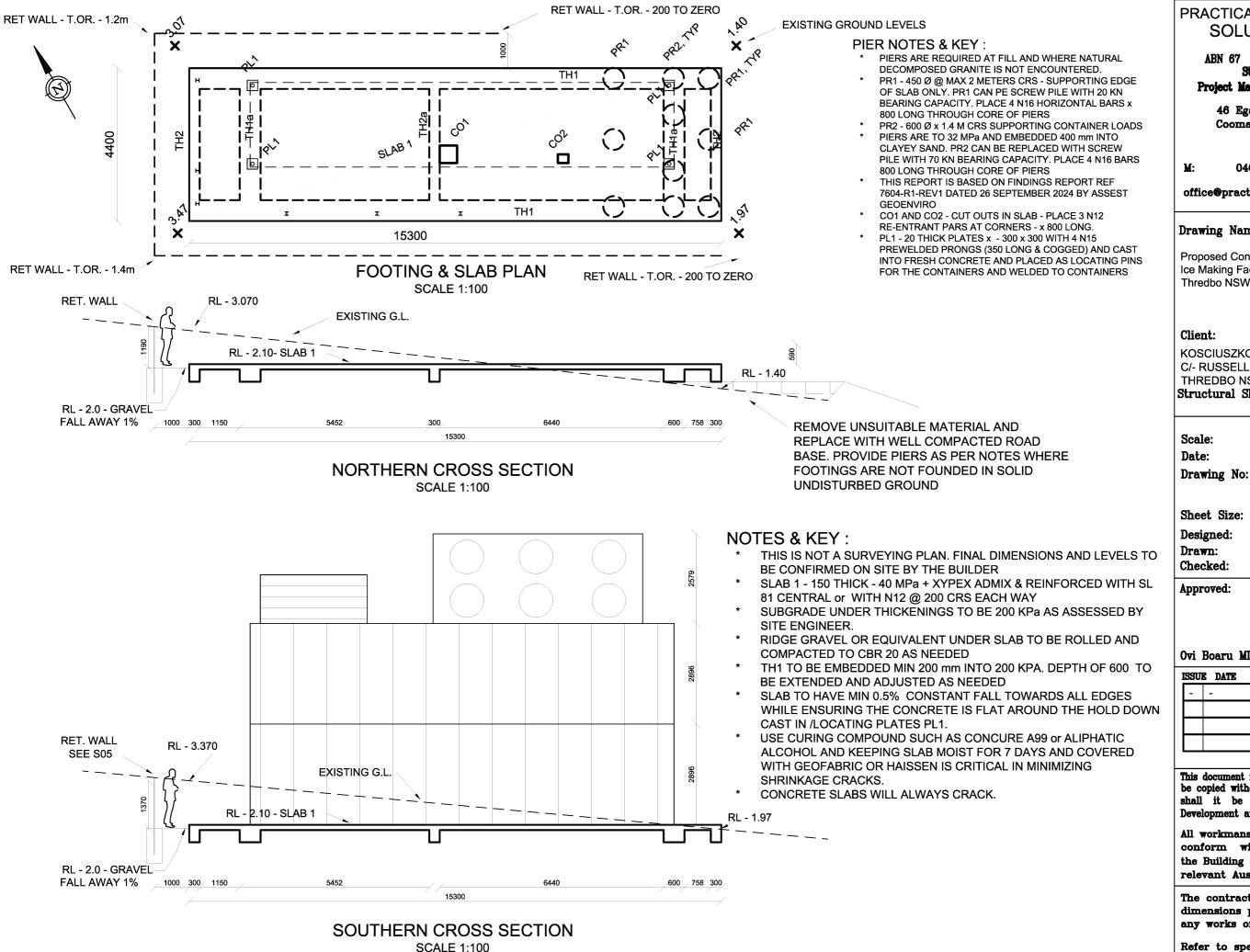
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Client:

KOSCIUSZKO THREDBO P/L C/- RUSSELL NURIDIN THREDBO NSW 2627 Structural Sheet No. S03 of 5

Scale: 1:100 06.11.2024

2024 1018A SLAB PLAN

Sheet Size: А3 O Boaru Designed: Drawn: A Sferle O Boaru

Approved:

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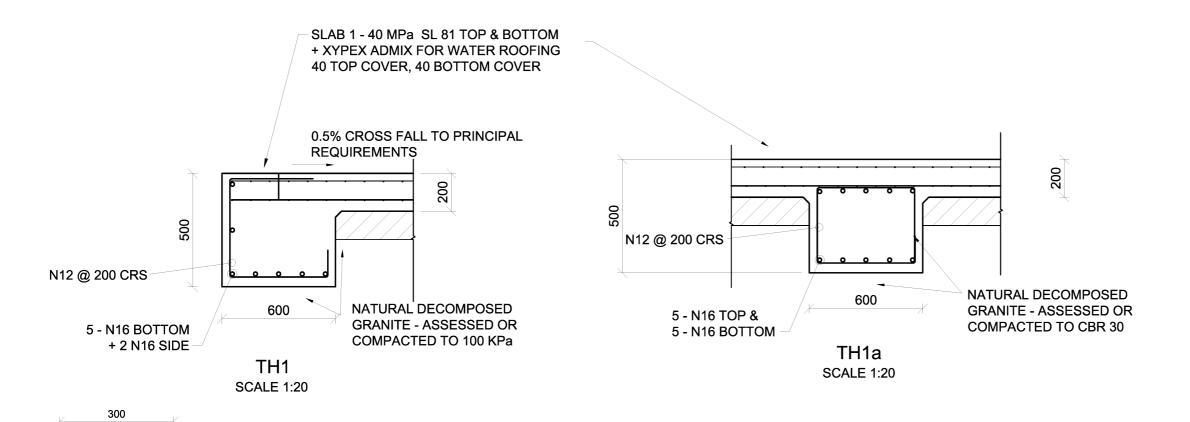
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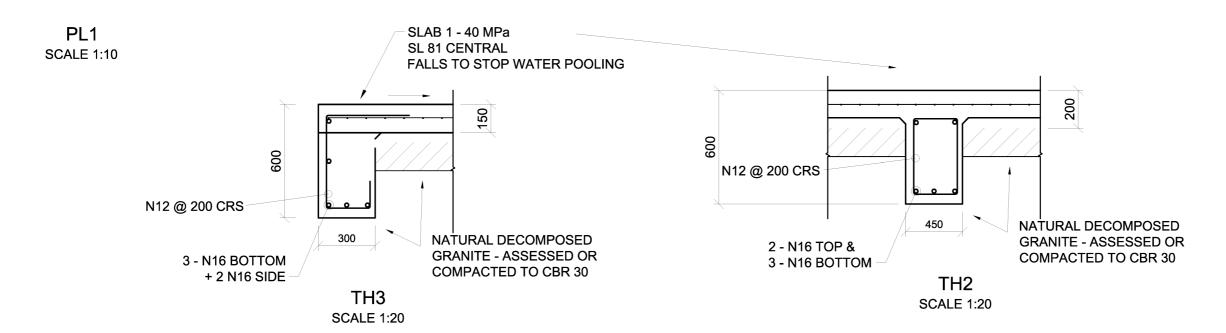
Refer to specification for other relevant information details.



20 mm THICK STEEL PLATE WITH 4 N16 PRONGS (350 LONG AND COGGED)

50mm ROUND STEEL LOCATING PIN FULLY WELDED TO PLATE

IMPORTANT NOTE TO CREATE A RAFT SLAB - PROVIDE L BARS AROUND ALL CORNERS - MIN LAP 40 BARS DIAMETER



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KOSCIUSZKO THREDBO P/L C/- RUSSELL NURIDIN THREDBO NSW 2627 Structural Sheet No. S04 of 5

Scale: 1:20 **Date:** 06.11.2024

Drawing No: 2024 1018A

SECTIONS

A3

Sheet Size:

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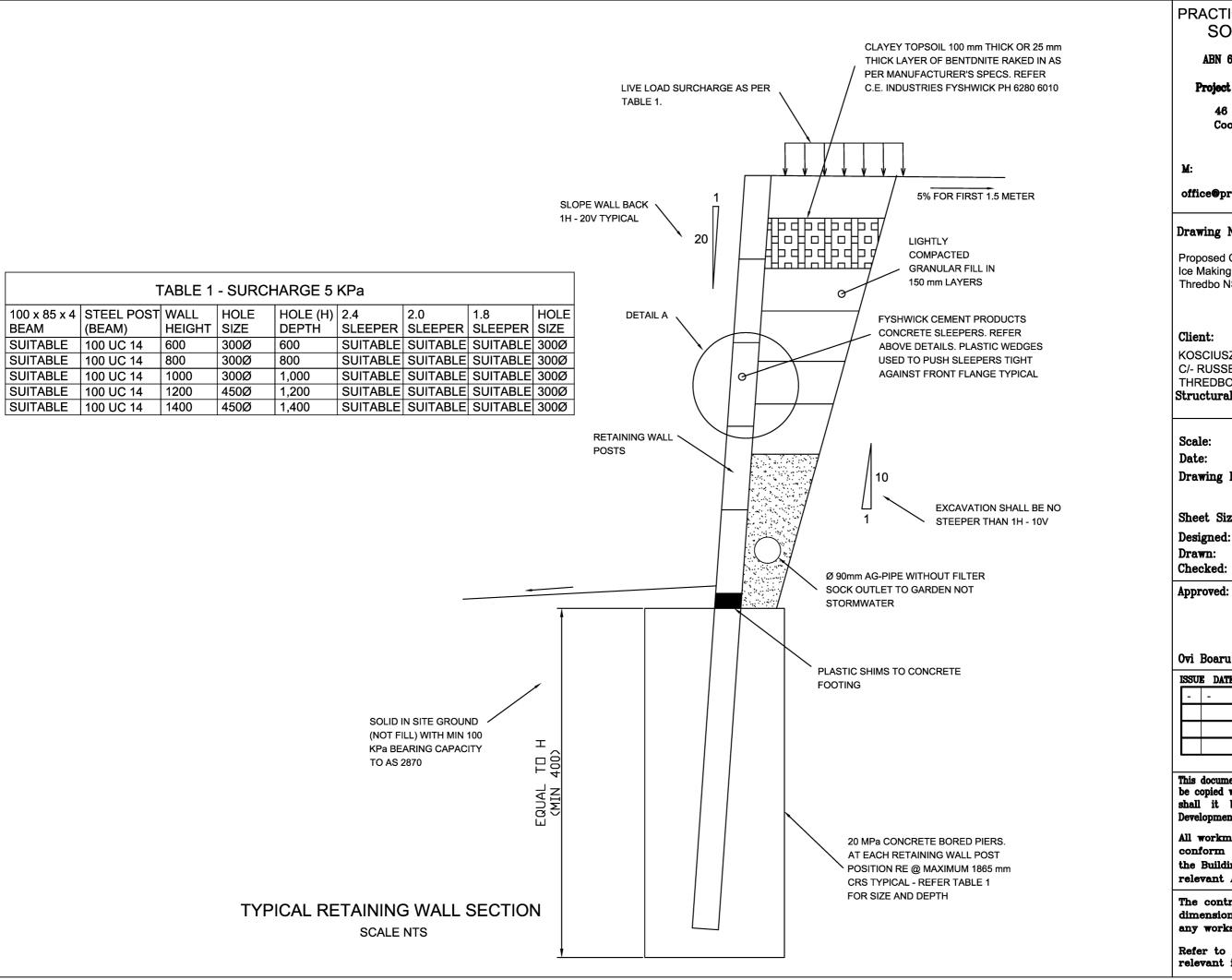
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Scale:

1:20 06.11.2024

Drawing No:

2024 1018A

RETAINING WALL

Sheet Size:

A3 O Boaru

Drawn:

A Sferle O Boaru

Approved:

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