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

03 February 2025

Dear Planning Department,

Owners of Hi Noon Ski Club 12 Banjo Drive Thredbo NSW 2625 Care of Paul Kupacz – Hi Noon Club

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



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

PRACTICAL ENGINEERING SOLUTIONS P/L



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	
46 Egan Street	
Cooma NSW 2630	
M: 0402 15 22 16	
office@practicalengineers.com.au	
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	
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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

CONCRETE:

- 1. All concrete works to be in accordance with AS3600 200
- 2. Concrete strength cover and durability details (refer AS3) Footings -32 MPa Internal Slab Garage -25MPa External Slab -40 MPa (or 20MPa if weather proo Beams/Columns -NA
- 3. All reinforcement to be adequately supported on bar chair correct positions.
- 4. Concrete to be formed as required by AS3610 and comp in accordance with AS3600 and AS3610 to achieve spec or relevant density durability and strength.
- 5. All reinforced fabric to be lapped one mesh panel plus 25 and reinforcement bars lapped 40 bar diameters, UNO.

FOOTINGS:

1. Footings and slabs on ground designs conform with AS 2

MASONRY:

- 1. All masonry (clay, stone and concrete) to comply with AS3 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 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 T

STEEL:

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

NA

Class 'P' See geotech

50m/s (Vh,u).

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KEY:

- PF1 THROUGH TO PF4 - 450 Ø CONCRETE PIERS BORED 400 mm INTO 150 KPa NATURAL GROUND AND REINFORCED AS FOLLOWS: FOR PIERS BETWEEN 600 & 1 METER DEEP PROVIDE 2 N12 VERTICAL BARS CENTRAL REINFORCED

* FOR PIERS BETWEEN 1 AND 2 METERS - SOCKET PIERS 300 mm INTO DECOMPOSED GRANITE AND PROVIDE A CAGE OF 4 N12 WITH R6 @ 220 CRS IN EACH PIER. UNDER FOOTINGS EXTEND BARS TO TOP MESH.

PF5 - 600 Ø BORED 400 INTO NATURAL GROUND AND REINFORCED AS PER PF1

BR1 100 x 5.0 SHS SUPPORTED BETWEEN EXISTING BR* 2.60 m BR1a 125 x 75 x 3.0 RHS SUPPORTED ON 75 x 5.0 SHS POSTS 2.60 m 100 x 5.0 SHS SUPPORTED ON 89 x 5.0 SHS POSTS BR2 2.30 m BR3 100 x 50 x 3.0 RHS 1.6 m P1, P2, P3 75 x 5.0 SHS - 4 M12 TO FOOTING Pa, Pb 75 x 3.0 SHS - 2 M12 TO EXISTING FOOTING PB1 - PB2 75 x 6.0 SHS - 2 M12 TO EXISTING FOOTING. PB3 - PB4 75 x 5.0 SHS - 2 M12 TO EXISTING FOOTING. B1, B2 180 PFC - SECURED TO EXISTING - SEE SECTION 1-1 P* EXISTING POSTS BR* EXISTING BEARERS 125 x 75 x 3.0 SHS J1 190 x 45 F7 TP @ 450 CRS - 2 M12 TO BEARERS 2.4 m 100 x 50 x 2.0 RHS or 75 x 50 x 3.0 RHS @ 450 CRS - WELDED 2.4 m

SYMBOL

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approximately 2 h with existing road profile.	Approved: Socra Ovi Boaru MIEAust CPEng	
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46 Egan Street Cooma NSW 2630	
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Proposed Alterations & Additions HI NOON SKI CLUB 12 BANJO DRIVE THREDBO NSW 2625	
Client: HI NOON SKI CLUB	
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Client: HI NOON SKI CLUB	
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Scale: 1:20	
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