

Date: 21th July 2021 Client: Nicole Keogh Job No. 200831 Engineer: CMcL/CJ

Site: 1031 BARRENJOEY ROAD, PALM BEACH

At the request of Nicole Keogh, Cameron Jones & Chris Mclean of Northern Beaches Consulting Engineers P/L carried out a site inspection at the above property on the 21st June 2021. The purpose of the visit was to inspect and comment on the structural adequacy of the recently constructed pergola and deck structure, as detailed on the woks as executed architectural plans by 'o2architecture' (dated 15th June 2021).

The assessment was limited to the constructed deck & pergola structure and consisted of a walk over style inspection. The pergola and deck were of timber framed construction and extend out from the existing two storey clad building, currently operating as a café.

ASSESSMENT

- At the time of inspection, the deck structure was not accessible for inspection. Therefore, Northern Beaches Consulting Engineers P/L cannot currently certify the deck structure. Certification of the deck structure may be considered if the builder can provide clear, detailed photographs of the deck under construction (subject to engineering review) and a statutory declaration.
- At the time of inspection, the extension to the existing roof structure was deemed not compliant with the relevant Australian standards. The following amendments need to be made to the roof structure to achieve compliance with Australian Standards.

STRUCTURAL REQUIREMENTS

Please refer to the following structural requirements as detailed on the attached SK01 & SK02.

- 1. Provide triple grips or min 2 x 12-gauge bugles to connect rafters to beam supports (every rafter).
- 2. Provide a full span rafter (R1) between the existing timber beams (ERB1 & ERB2) refer attached SK01. Currently, the rafters for the new extension are spliced onto the existing rafters at midspan location and are not adequate.
- 3. Provide 45 x 45 F7 timber plate (PL1) bugled to bottom of (EJR1) (1 x 12 gauge bugles at 200 centers). Refer to sk02 for detail.



Please note that this certification does not cover any defects to the structure or structural/non-structural items that were not included for assessment at the time of inspection. In the event that defects are uncovered or become apparent after, then the engineer should inspect the areas of concern and prepare a specification for remedial works (These works will be carried out at hourly rates). The procedure above in no way relieves the builder of their usual construction obligations.

If the proposed works are to be certified in accordance with this report, they must be inspected by Northern Beaches Consulting Engineers while exposed. An additional fee applies.

Yours sincerely, NORTHERN BEACHES CONSULTING ENGINEERS P/L

Stewart McGeady BE MIEAust Director

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Northern Beaches Consulting Engineers Pty Ltd Structural, CMI & Stornwater Engineers ACN: 076-121-616 ABN: 24-076-121-616



HORIZONTAL DATUM:	VE
CO-ORDINATE SYSTEM: ASSUMED	DATU
1ARKS ADOPTED: N/A	B.M.
	R.L. 2
CA. NODTHEDN DEACHES	SOUR

