

FENG CONSULTING ENGINEERS

- CIVIL AND STRUCTURAL CONSULTING ENGINEERING

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20918 - Cert.01

PROJECT DETAILS

| | |
|---------------------|--|
| Location at: | No.20 Kevin Avenue, Avalon Beach |
| Inspection details: | New external timber stair installation |
| Date: | 20.03.20 |
| Our reference: | 20918 |

Structural Adequacy Assessment and Certification

A site inspection and the structural adequacy assessment to the installation of the new external timber stair was carried out by our qualified structural engineer to the entire stair structure and structural elements, the details as:

- 1) Designed live load (1.5 kPa) in accordance with the Australian Standard: AS 1170.1
- 2) Pad footing to all timber columns
- 3) The size of timber posts and fixing details.
- 4) The sizes and fixing details of the timber beams and floor joists
- 5) Timber beam attaching to existing wall of the dwelling
- 6) Fixing of the handrails.

This is to certify that the installation works of the above timber stair are structurally capable to carry the design loads in compliance with the relevant Australian Standards:

AS 1170.1:2002 – Structural design actions: permanent, imposed and other actions

AS 2870:2011 – Residential slabs and footings

AS1720.1:2010 – Timber structures: design method

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