



# ZHA Engineering Services

Structural – Forensic – Certification – Dilapidations

4<sup>th</sup> December 2022

Ref. No. 20221204-012

## **Structural compliance certificate – Steel shed structure on the rear of the property - at 166 Haldon Street, Lakemba NSW**

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**ZHA Engineering Services**, being Consulting Engineers and Chartered Members of the Institution of Engineers Australia hereby certify that the 'existing steel structure frame and the new alterations (to extend the clear height of the underside of the roof) and drawings (provided by ZHA)' for the property - at 166 Haldon Street, Lakemba NSW, are as per Australian standards and engineering practice. The steel frame and new proposed ramp are structurally adequate to carry the applicable loads as per the Building Code of Australia (BCA) and Australian Standards (AS).

ZHA Engineering services' representative visited and inspected the site to collect the existing site data, analysed the member sizes' and capacity of structural frames, and prepared the drawings. Based on the structural site information and calculations, ZHA Engineering Services certify the following:

- The shed roof steel structure framework is adequate to withstand the applicable dead, live, and wind loads as per AS1170.
- The shed roof steel structure framework is adequate and meets the provisions of the Building Code of Australia (BCA) and Australian Standards (AS).
- Timber members for the new proposed ramp are as per the requirements of AS1170 and BCA.
- Steelworks are as per the requirement of AS4100.

This certificate shall not be misconstrued as relieving the building contractors of their contractual responsibilities for changing / renovating architectural and structural features of the structure.

Please note that structures other than the shed steel frame and the new proposed timber ramp are out of the scope of this certificate.

Should you need anything further, or require any matters elaborated on, please contact the undersigned.

Yours faithfully,

**Zee Shan**

Principal Engineer

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