

8/03/2021

Project Number: 200629

Digby Rayward
c/- Perception Planning

Attention: Peta Harris

STRUCTURAL ENGINEERING REPORT

PROJECT NAME: Building Structural Report | 83 Fotheringay Road Clarence Town

SITE ADDRESS: 83 Fotheringay Road, Clarence Town, NSW 2321

Further to your request, we confirm that DRB Consulting Engineers Pty Ltd have undertaken a visual inspection of the modifications to the existing shed structure and cottage on 08.03.2021. The purpose of the inspection was to assess structural adequacy of these modifications. The existing shed consists of concrete ground slabs, timber superstructure steel sheet cladding. The existing cottage consists of concrete ground slabs, concrete walls, timber framed tiled roof.

We have undertaken a visual inspection of the following elements:

Cattle shed structure - Western addition:

- Edges and surface of the slab foundation.
- Timber framed addition.

Cottage structure addition:

- Edges and surface of the topping slab foundation.

Deck structure addition:

- Surface of deck pad footings
- Deck framing - posts, bearers, and joists

We, DRB Consulting Engineers Pty Ltd, being practising Structural Engineers as specified within the meaning of the National Construction Code of Australia, hereby certify that we have undertaken the structural engineering design review of the addition to the shed structure and modification to the floor of the cottage in accordance with sound engineering practices and in accordance with the relevant Australian Standards including:

AS1170 – Structural design actions
AS1684 – Residential timber-framed construction
AS1720 – Timber structures
AS2870 – Residential slabs and footings

The visible elements of the shed are generally structurally adequate except for the following:

- Rafters on the shed addition on western side. Existing rafters on the addition are not structurally adequate in accordance with current Australian Standards. Rafters need to be upgraded to minimum 120x35 MGP10 at 600 maximum centres.

This structural design statement does not cover design of the following elements:-

- Elements noted above as requiring rectification,
- Existing unmodified structures,
- Any areas that were not visible at the time of our inspection, these include:
 - Foundation depths and reinforcement,



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If you require any additional information or clarification of any points, please do not hesitate to contact us.

Kind Regards

Chris Bear
Senior Structural Engineer
DRB Consulting Engineers Pty Ltd