matt@completecertification.com.au

From:	Dovetail Constructions Mel Kroenert <info@dovetail.net.au></info@dovetail.net.au>
Sent:	Wednesday, December 10, 2014 10:01 PM
То:	matt@completecertification.com.au
Subject:	Fwd: Stables Resort - Perisher - Preliminary Structural Report - 10.11.2014

Begin forwarded message:

From: Ovi Boaru <<u>Ovi@goengineering.com.au</u>> To: 'Michael Sell' <<u>msell.yurugadesign@gmail.com</u>>, <<u>info@dovetail.net.au</u>> Cc: 'Geoff Bowland' <<u>Geoff@goengineering.com.au</u>>, 'Delia Boaru' <<u>Delia@goengineering.com.au</u>>, 'Ovi Boaru' <<u>engineering.ovi@gmail.com</u>> Subject: RE: Stables Resort - Perisher - Preliminary Structural Report - 10.11.2014 Date: 10 December 2014 3:38:09 pm AEDT

Dear Mel,

This is to advise the planning authority that GO Engineering Consultants have been engaged to produce structural engineering design and associated supervisory structural engineering related work for proposed alterations at Mr. Evelyn Hawkins Apartment at Stables resort, Perisher NSW.

For any questions please do not hesitate to contact our office, thank you,

Kind regards,

Ovi Boaru Civil & Structural Engineer - CPEng, NPER. for G.O. ENGINEERING CONSULTANTS P/L <u>ovi@goengineering.com.au</u> T 02 6452 4699 F 02 6452 4996 M 0402 15 22 16 <u>WWW.GOENGINEERING.COM.AU</u> OFFICE & MAIL: 153 COMMISSIONER ST COOMA NSW 2630 AUSTRALIA

G.O. ENGINEERING CONSULTANTS PTY LTD STRUCTURAL, CIVIL & CONTRACT ADMINISTRATION ENGINEERS

From: Ovi Boaru [mailto:Ovi@goengineering.com.au]
Sent: Wednesday, 8 October 2014 2:36 PM
To: 'Michael Sell'
Cc: 'Geoff Bowland'; 'Delia Boaru'; 'Ovi Boaru'
Subject: Stables Resort - Perisher - Preliminary Structural Report - 08.10.2014

Dear Michael,

Re – site visit at Stables Resort – Perisher – 02 October 2014

Thank you for the opportunity to inspect – with you and Mel - proposed alterations through removal of some walls at Stables Resort – for Mr. Evelyn Hawkins double storey apartment.

At the time of the inspection, even though there were no final architectural details available, site measurements were taken to determine whether or not the proposed wall removals were structurally achievable.

Summary of inspection:

Ground floor:

1a. Proposed removal of load bearing wall between existing Bedroom 1 and existing sitting area.

No particular structural concerns at this item – except that a timber bearer – B1 - would need to be sized and specified.

First floor:

2a. Proposed removal of wall between bedroom 2 and kitchen. Structural implications:

- Removal of wall may remove existing permanent bracing. This will be covered by re bracing the portion of the wall not affected by renovations
- A new raked steel beam RB1 approx. 200-250 deep will need to be specified to support existing roof rafters.
- Two new steel posts extended to the ground floor will be required to support both ends of RB1.

2b. A further load bearing suspended wall above the kitchen, parallel with RB1 to be removed. This will require a new steel beam – RB2 – and supported by two steel posts as per RB1.

2c. There was a conversation about opening up a loft under existing roof rafters. One of the suggestions was that the existing 5410 mm long – 400 deep timber beam can be laminated with a 250 PFC in order to support a point load coming from one end of RB2 roof. The beam would need two steel posts at the end. This new beam – B2 would also result in removal of existing 100 x 100 timber post – P1. However it is to be noted that P1 – currently provides support at least or the edge of the existing handrail.

Alternatively, a new steel post from ground flor and running along existing P1 can be installed to support RB2.

Conclusion:

- All structural works discussed on site are achievable subject to final architectural details,
- Further structural engineering design and associated drafting to local authorities Construction Certificate approval only would cost \$2,750 inc GST.
- We enclose our account for \$880 inc GST to inspect and report on this project, thank you.

Kind regards,

Ovi Boaru Civil & Structural Engineer - CPEng, NPER. for G.O. ENGINEERING CONSULTANTS P/L <u>ovi@goengineering.com.au</u> T 02 6452 4699 F 02 6452 4996 M 0402 15 22 16 <u>WWW.GOENGINEERING.COM.AU</u> OFFICE & MAIL: 153 COMMISSIONER ST COOMA NSW 2630 AUSTRALIA