



4/50 Meadowbank Rd, Meadowbank, Auckland 1072, NZ
T: +649 952 0001 F: +649 528 4906 M: 6421 259 1903
www.lignumstructural.co.nz

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HR Design Group Ltd
PO Box 103
Buddina
Queensland 4575

Ref 1340: Structural review of HR Design Group “Quick Design” software for New Zealand.

I have structurally reviewed the Quick Design Software version 2.0.1.0 produced by HR Design Group Ltd in accordance with sound engineering practice and with the following standards:

AS/NZS1170:2002
NZS3603:1993, A4

The program enables the user to design rafters, beams, bearers, joists and wall frame components, typically for domestic applications. Timber products available are Hyne LGL and 17C; Futurebuild Hyjoist, Hyspan and Hychord; Louisiana Pacific E13 and E14; Lumberworx I beam and LVL10.7; Nelson Pine LVL11 and LVL13; Craftbuilt Techlam GL8, GL10 and GL12; Prolam GL8, GL12, GL16; and machine stress graded pine and douglas fir SG6, SG8, SG10, SG12, SG15, LVL10, GL8, GL10, GL12, GL13, GL17 and GL18.

The review has consisted of running a range of typical scenarios through the software. No review of the internal program logic and programming code has been undertaken.

I am satisfied that with proper use by appropriately qualified personal the results from the software will enable selection of components to comply with the structural requirements of the New Zealand Building Code, subject to correct installation in accordance with the component suppliers' requirements.

Yours faithfully

A handwritten signature in blue ink, appearing to read 'D Reid'.

David Reid
STRUCTURAL ENGINEER, IPENZ Member ID 121639.

Specialist Structural Timber Engineering

David V Reid, Structural Engineer, BE, Dip Bus, MIPENZ (Civil Struct), CPEng