

CGW Ref: 17016-LET-001-A Spanman Certification

Date: 28 April 2021

Structural Review of Lumberworx Design Software Provided by Spanman for use in New Zealand

Certification Letter

April 2021

CGW Consulting engineers have reviewed Lumberworx.spanman Design Software produced by Spanware Pty Ltd in accordance with the following standards as of the release date May 2017:

- AS/NZS1170:2002 Structural Design Actions
- AS1720.1:2010 Timber Structures Part 1 Design Methods
- NZS3603:1993 Timber Structures
- NZS3604:2011 Timber Framed buildings
- The Engineering Basis of NZS3604:2013

The program designs rafters, beams, bearers, joists and lintels for domestic and light commercial applications using a range of engineered wood products. The review consisted of running a range of scenarios through the software and comparing it with existing proprietary design software and SED design to the above standards. No review of the internal program logic and design engine has been undertaken.

We are satisfied the software will meet the requirements of B1/VM1 when design inputs are by a competent, trained person (such as Structural engineers, LBP Designers, experienced truss detailers etc.) the software will enable selection of components to comply with the structural requirements of the New Zealand Building Code.

Yours faithfully,



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