

LSL10 FIXING

Garage Door Lintel

Release 1.0 June 2017



Lumberworx has a specifically designed Laminated Strand Lumber (LSL) garage lintel.

To assist installers we offer a specific design solution for fixing the lintel

- a) With wind uplift restraint to the load conditions described below
- b) Without wind uplift restraint where an alternative uplift solution will be used.
- c) Without wind uplift where there is a nearby stud preventing perpendicular fixing through the adjacent trimmer studs

These fixings also take account of "edge distance" requirements

If you require clarification or assistance please contact Lumberworx on the Freephone number below.

Conditions

Wind Load	Up to Very High
Snow Load	All Regions to 100m altitude (sg 0.90 kPa)
Roof Load	Up to 40kg/m ² roof + ceiling
Roof Pitch	Up to 35°
Truss Span	Max span 6000mm with 600mm overhang
Max Lintel Span	4900mm

Fixing Legend

- 1 Specified LSL Lintel
- 2 Supporting member/studs
- 3 150mm 14G Screw - Minimum 50mm into second member. Total 4 screws per end
- 4 150mm 14G Screw - Minimum 50mm into second member. Total 2 screws per end

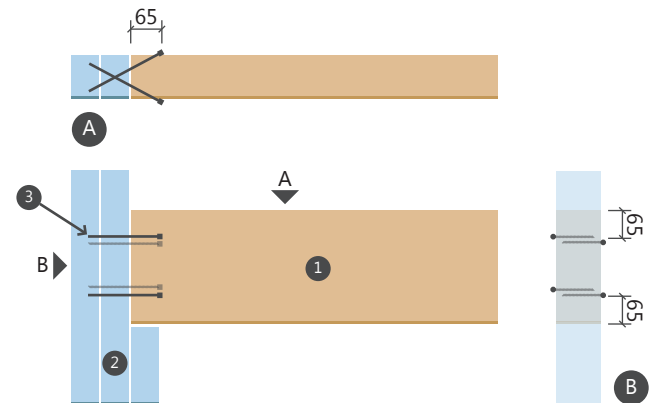


I have checked the details using sound structural engineering practices and with reference to NZS 3603 and certify the details may be used for buildings within the scope of NZS3604.

Cory John Bedford.....CPEng #238134

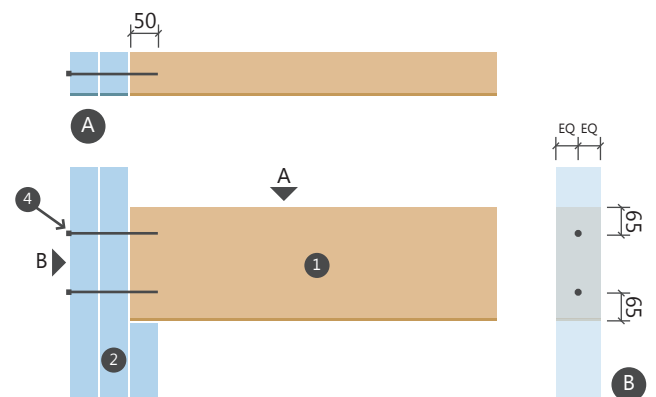
Date: 20/06/2017

Fixing Details



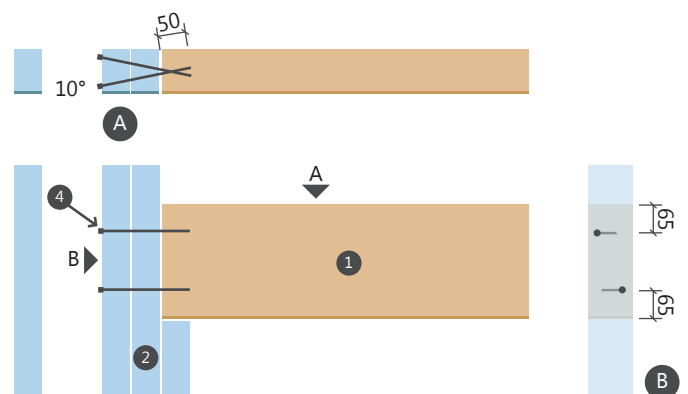
A - LSL LINTEL FIXING - 4 SCREWS

FIXING FOR UPLIFT



B - LSL LINTEL FIXING - 2 SCREWS

FIXING FOR NO UPLIFT



C - LSL LINTEL FIXING - 2 SCREWS

FIXING FOR NO UPLIFT WITH NEARBY STUD