

Facts on TimberLab

Multi Storey - Seismic Resistant Structures

Overview

As a result of R & D programmes that TimberLab has been involved in, the resilient performance of Timber Structures in recent earthquakes has been enhanced with new technologies involving post-tensioned multi storey solutions.

Post tensioning enables the structure to return to its original position. Timber's ability to absorb energy means structural integrity is maintained after the seismic event; where concrete and steel may shatter or deform, post tensioned timber structures continue. TimberLab's wide experience in gluing large structural members means fabricating large LVL sections is a natural progression.



Benefits

- » **Accuracy** - With the use of our 5 axis CNC bridge, TimberLab's accuracy is unparalleled, removing any uncertainty about rework onsite.
- » **Pre fitting** - critical connections in the factory makes on site assembly so much simpler and quicker.
- » **Factory Assembled** - Full size in-factory assembly ensures a correct fit to prepared site.
- » **Long lengths** - avoids complicated splice joints
- » **Utilities & Conduits** - Can be cut/drilled in factory for easy running of utilities onsite.
- » **Economical** - Fabricated LVL offers an extremely economical structural material.
- » **Environmental** - As TimberLab's LVL comes from only plantation timber, it is the good sustainable choice.



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TimberLab's LVL Projects

Carterton Events Centre (Carterton)

» LVL Shear walls & Trusses



Christchurch Transitional Cathedral

» Fabricated LVL rafters, the structural component of the cardboard tube. Additional joinery of the Rose window.



Diocesan School (Auckland)

» 27mtr Post Tensioned box beams



Merritt (Christchurch)

» 3 storey Post Tensioned Structure



Trimble (Christchurch)

- 2 storey post tension office block. LVL fabricated columns, floor and roof beams.

Other LVL Projects

» Trimble (Christchurch) » Transpower (Christchurch) » Brands Laboratory (Wellington) » Ihenga – Waiariki Training Centre (Rotorua)



INCORPORATING

TIMBERBOND



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