

## Facts on TimberLab LVL FABRICATION

### Overview

For LVL structures to achieve their greatest potential the individual billets of LVL need to be fabricated into larger finished sections.

This involves taking billets of LVL up to 1.2m wide and 105mm thick and forming them into specifically designed beams & columns.

Fabrication of LVL structures demands the same careful quality control as Glulam manufacture. TimberLab's wide experience in gluing large structural timber members meant fabricating large LVL sections was a natural progression.



Achieving adequate gluing pressure and dimensional accuracy are prerequisite to achieving the designer's expectations.

### 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 assembling so much simpler and quicker.
- » **Factory Assembled** - Full size in-factory assembly ensures a correct fit to prepared site.
- » **Long lengths** - avoid 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.



## 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



### Other LVL Projects

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



INCORPORATING

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