

# Glulam UPDATE am

A BI-ANNUAL NEWSLETTER FROM MCINTOSH TIMBER LAMINATES LTD: LEADERS IN GLULAM SINCE 1958 | SUMMER 2011

## OPENING UP THE VAULT

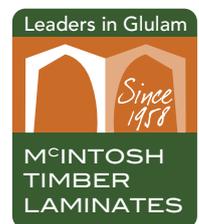


McIntosh Timber Laminates Ltd was called on by Bruce Bell, Managing Director of Timber Engineered Structures in Melbourne to manufacture the columns to craft this unique stairway which is the focal point of the foyer of National Australia Bank's new innovative creation in Melbourne's Dockland area.

The stairway was designed to resemble a tree-lined path and is a shining example of architectural vision, modern design and innovative structures.

The light-filled glass atrium which surrounds the staircase complements the naturalness of the timber. The superior properties of the timber engineered staircase columns support environmental sustainability but also provide diversity, durability, malleability and fire resistance.

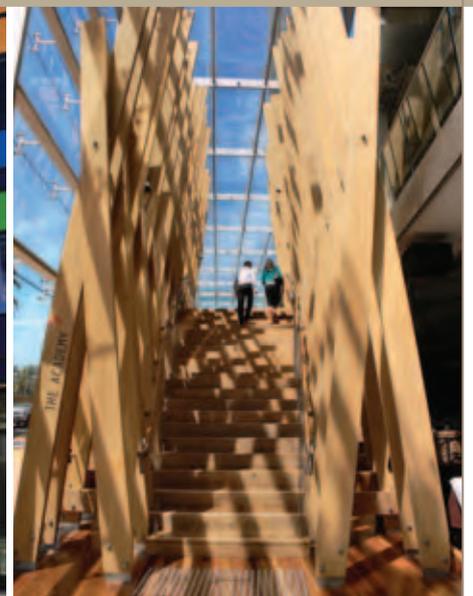
McIntosh Glulam was chosen because of the complexity and magnitude of the project.



Credits | CLIENT Timber Engineered Structures, Melbourne, Australia | ARCHITECT BVN Architecture | STRUCTURAL ENGINEER Robert Bird Group



[www.mcintosh.co.nz](http://www.mcintosh.co.nz)





# Rebuilding Samoa

The September 2009 Tsunami that swept through the south coast of Upolo (the main island of Samoa) took in its path the resort at Sinalei Beach Resort, destroying the existing island Restaurant, along with various accommodation.

A decision was made by the owners to rebuild the restaurant and MTL was commissioned by Ca'bella Pacific (Samoa) to design and supply the roof structure using McIntosh Glulam. The owners knew what they wanted with the style of roof but left it to MTL/Ca'bella to complete the design, supply and installation. Construction time was very short and from start on site to completion was just eight weeks.

The roof is octagonal with four pairs of rafters launching off main concrete columns to form a central ring; 190 x 45 rafters at 300 centres give a remarkable lattice effect. The plywood ceiling lining assists with bracing and the cedar shingles provide the outside finish. The Glulam roof structure has created a stunning over-water area and with the sea breeze, an extremely pleasurable fine-dining experience (as seen here by our MD).



Credits | CLIENT Arhaus | DESIGNER Box Living Ltd



## BOXING CLEVER



BOX is rocking the building industry with its modular housing system that promises architectural flair, shorter build costs and value for money. BOX Living is a modular system for designing and building a home. It specialises in building and project management of high-quality sustainable homes, significantly reducing architect design costs, shortening construction time and offering better value for money.

The core of the BOX bach for Kawau Island is the McIntosh Engineered Timber Beams, which support the whole structure.





### Lightweight winner

"Space frames for the large roof structures of water storage tanks built by Timbertank Enterprises Ltd (over 250m<sup>3</sup> tanks) utilise Glulam laminated beams in their construction because they can rely on their strength, accuracy of profiling and quality of timber treatment," says Managing Director, Justin Jordan.

"The team at McIntosh supply our needs quickly and efficiently," says Justin.

"Their product enables us to build strong but lightweight structures very economically. The benefits for us of their finger-jointed laminated and tanalised beams relate particularly to weight and ease of handling. It's a no-brainer compared to having to use steel."

TTEL has supplied water storage tanks to customers throughout New Zealand and The Pacific Islands for over 40 years.



The 20 year relationship between the two Auckland-based companies goes back to the fathers – Ken McIntosh and Morton Jordan and is being carried on by the present two Managing Directors, Grant McIntosh and Justin.

## SHAVINGS AND OFFCUTS

Christmas 2010 came and went with all enjoying their holidays. We are now well into yet another year.

The age-challenged office folk have been busy producing more grandchildren.

We are pleased to announce that we have gone electronic with our delivery docketts and we trust our clients will appreciate their clarity.

### Habitat for Humanity

In September last year our MD, Grant McIntosh with 150 other Kiwis visited Nepal on a Habitat for Humanity build just outside the city of Pokhara. Here he joined with volunteers from many parts of the world to make a total of 450 people to build 40 houses in six days. The houses consisted of a concrete slab bamboo wall and roof frame with solid plaster walls.

Grant writes...

*"It was extremely hard work in hot temperatures for a lot of people unused to physical labour, but incredibly satisfying to be using what little skills some of us had to build a home for people who had very little. The Nepalese people were just delightful and so appreciative that we had come to help in this way. After the build I was fortunate to be able to join with three others on a trek to visit a village in the foothills close to the Annapurna ranges. The reason for the visit was to see the work being undertaken by the Tony McClean Trust (Tony was the teacher who died in the Mangatopopo tragedy in 2008 and had lived and worked in this area of Nepal). He had a great passion for the Nepalese people in this area and their needs and wanted to be part of building schools and a health centre. It was very moving to see part of this dream being realised by people that knew and worked with him. We were in a beautiful part of Nepal and were fortunate to see great views of the Himalayas."*



**Remember to stock up on econoposts; they are going like hotcakes!**

## CONTACT US TODAY

We welcome your feedback and questions on anything Glulam. Please phone or email; we are always available to help.

### Management:

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*Quality is never an accident. It is always the result of intelligent effort.*

John Ruskin

## Why McIntosh Glulam?

**Are your beams up to strength?**  
To ensure the appropriate strength rating for the span of your beams use McIntosh Glulam.

We have in place the Optimiser which reduces visual defects such as larger knots before the timber moves to the A Grader to determine the stiffness of the timber using sound waves.

This gives McIntosh Glulam beams the strength to reach 8, 10 and 12 GL ratings as specified by the engineers and the Glulam industry.



AS/NZS 1491  
LIC. No. 2354  
AS/NZS 1328  
LIC. No. 2061



## Want to find out more?

Phone or email us to receive price lists, or information packs.

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