

Glulam UPDATE am

A BI-ANNUAL NEWSLETTER FROM MCINTOSH TIMBER LAMINATES LTD - LEADERS IN GLULAM | SUMMER 2009

Making waves

Unique glue laminated rib components were geometrically crafted to varying lengths; once grouped in a specific order they merge into an undulating sinuous form.



Credits | CLIENT North Shore City | ENGINEER/ARCHITECT Beca Carter Hollings & Ferner | CONTRACTOR Works Infrastructure

The ribs become more than purely aesthetic additions, rather serving as a shield from the busy traffic on Onewa Road, giving real as well as perceived safety to pedestrians, and providing a sheltered outlook onto the mangroves and the Onepoto Domain. With the aspect of visual pollution an important driver, the ribs conceal the concrete beam of the underlying structure and allow for the bridge to be completely camouflaged within the natural mangrove environment.

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Credits | CLIENT Yellow | ARCHITECT Pacific Environments | ENGINEER Holmes Consulting | CONTRACTORS NZ Strong Construction/Citywide Construction



Treehugging Glulam

The Yellow Treehouse Restaurant is a striking pod-shaped structure of Pine, Poplar and Redwood, built ten metres high in a redwood tree near Warkworth, north of Auckland.

Kiwi connection in Arabia



Local Bahrain residents crossing over the busy highway from the airport to Manama City will be relying on this 61m span by 3.6m wide Glulam Arch Bridge along with a 41m span bridge (see image top right) to carry them safely across. Manufactured as a complete package this bridge is another example of the innovative initiative from New Zealand by McIntosh Timber Laminates Ltd using renewable radiata, NZ design and manufacturing.

Credits | ENGINEER Mark L Batchelar | CONSULTANT MSCEB Bahrain | CONTRACTOR Nass Contracting

Created as part of an advertising campaign, its function was as a temporary restaurant (in February 2009) and then to be opened up for private functions and possibly public access.

Peter Eising and his team at Pacific Environment Architects said the brief was ideal for an architect because it was very open in terms of where and how the treehouse should be built. A great deal of care was taken in minimising the project's impact on the surrounding forest. An arborist was contracted to select a robust tree and the one used is about 40 years old. The tree was tested for the amount of give in strong winds, by using a line attached to a bulldozer.

Winner of the Outdoor Structures award at the Timber Design Society awards.

Eising's design is inspired through forms found in nature and is reminiscent of a butterfly's chrysalis. The architectural component embodies a simple pod form wrapped organically around the tree's trunk with two internal levels. Designed to account for the site's sunny aspect, the treehouse is clad with vertical timber fins which aid natural cooling. The restaurant's dining room is designed to support 25 people, with access provided by an elevated tree-top walkway. The tree's diameter at the platform level is 1.1m and the structure is securely fastened to the trunk using steel saddles. Parts of the walkway were built using redwood milled from two dead trees from the surrounding forest. Sustainably-grown pine and poplar were used for the vertical fins and slats.



Credits | CLIENT Auckland Zoo | ARCHITECT ASC Architects
ENGINEER Lewis & Williams | CONTRACTOR E.P. Maddren Construction



An education

Auckland Zoo's new NZ Centre for Conservation Medicine incorporates animal treatment, research, conservation and education.

The new facility includes public viewing into the animal surgery areas and interactive displays, a research centre, and an animal clinic and holding area.

It is the Gallery where timber has been used in its most distinctive form. The five Radiata Pine Glulam portals have been designed as the main structural support for this part of the Centre. All are different in size and angle. Being left completely exposed they accentuate the dynamic form of the Gallery space.

Credits | CLIENT Clendon Park School | ARCHITECT Pacific Environments NZ
CONTRACTOR Roy & Sam Osborne

New Fale built for Clendon Park School

This timber structure, over an existing open courtyard, was designed as part of the Samoan Bilingual unit established at the school in support of the Samoan student community.

The structure takes its design from the traditional Samoan Fale and extends the available covered space of the previously exposed outdoor courtyard, providing all weather use. The design includes natural lighting through the roof, as the walls are those of the adjoining existing buildings on four sides. The new timber structure provides a very functional teaching and assembly facility.



Economic post solution launched

We are pleased to introduce our laminated **econo posts** with the following specifications:

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GLULAM HISTORY BY KEN MCINTOSH

Available this year, Ken's book covers the pioneering history of our Company and of the Glulam Industry of New Zealand over the 50 years 1958 - 2008.



BEAM ME UP, SCOTTY!

McIntosh Timber Laminates Ltd is New Zealand's leading, licensed structural glue laminated (Glulam) timber manufacturer.

We can produce beams of any size, any shape, any where.

We also carry a substantial range of beams and posts in stock at all times.

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Plane or rip your timber to size:

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Serious about Quality

Manufacture of Glulam is an exacting exercise. As a pioneer of Glulam in NZ McIntosh is the longest serving licensed manufacturer producing to the strict requirements of ASNZS 1328 for Glulam and ASNZS 1491 for finger jointing. This entails regular factory inspections to ensure that clients can be confident McIntosh Glulam remains of the highest standard. Rigorous testing for timber strength and glue bond are carried out on a daily basis.

McIntosh was among the first to commercially apply the sonic A grader for checking timber stiffness. With every stick of timber tested to identify its strength and stiffness designers can be assured

McIntosh Glulam achieves the maximum values.



CONTACT US TODAY

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

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RECENT STAFF MOVEMENTS

In March this year Michael Wannell joined the ranks of McIntosh Timber Laminates Ltd as Operations Manager, a newly-created position which is keeping him busy.

In June, after a long time talking about it, Lois Ritchie retired and headed off on her big OE with husband in tow. We at McIntosh and many of our customers were very sad to see her go but also happy for her and Ron to be enjoying their "golden years." Vicki Higgan is settling in well as Lois's replacement.

Want to find out more?

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

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