

# Glulam UPDATE

A BI-ANNUAL NEWSLETTER FROM MCINTOSH TIMBER LAMINATES LTD: LEADERS IN GLULAM SINCE 1958 | WINTER 2010

## Ribs at Rubys

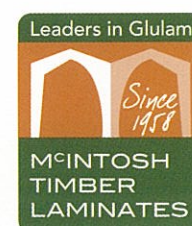


CLIENT Al Dar Developments | ARCHITECT Broadway Malyan | ENGINEER Mark L Batchelar

McIntosh Timber Laminates Ltd has taken another step forward in the U.A.E. with their innovative Glulam solution for the unique over-water restaurant Rubys at the Al Raha Beach Resort in Abu Dhabi.

Building on their past reputation for inventive Glulam designs MTL was able to demonstrate its ability to produce a structure with the flare and modernity that matched the architectural concept created by UK designers, Broadway Malyan.

Two intertwining trapezoids with curved corners are supported on turned Glulam columns up to 10m long. With glazed sidewalls the building has a transparent appearance exposing the curved Glulam portal frames like the ribs of a wooden galley. This large two storey over-water restaurant originally sat on reclaimed sand but once construction was near completion the sand was sucked back to sea to reveal the "floating" structure sitting atop concrete piles.



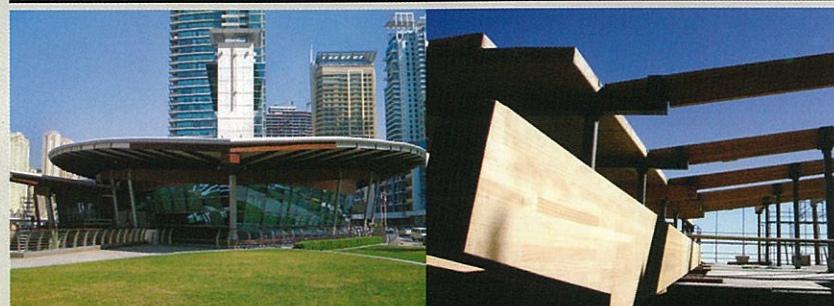


# Big Ideas?

There's only one company to call:  
McIntosh Timber Laminates Ltd



From riding arenas in Melbourne >> To churches in the Pacific



From a yacht club in the Middle East >> To the snowy peaks of Mt Ruapehu



From a Red Stag Factory >> To a river crossing cycleway



... if it fits on a big truck >> or in a shipping container...

... then you know it came from McIntosh Timber Laminates Ltd

We've been delivering projects of different shapes and sizes, all over the world for 52 years. So call us with your big idea or use our helpful design-build team.

**If you can dream it, we can deliver it.**  
**Call the team that makes it happen.**

Credits | CLIENT Ruapehu Alpine Lifts | ARCHITECT HB Architecture | ENGINEER Dunning Thornton Consultants | CONTRACTOR Stanley Construction Ltd

## On the (cutting) edge

After disastrous fire destroyed the Knoll Ridge Cafe on Mt Ruapehu, consultants Dunning Thornton were faced with the challenge of designing a new facility.

This had to be a fast-track project to make use of the weather conditions available and to close in the structure before the winter snows arrived.

Materials needed to be strong and durable to withstand the harsh and extreme conditions – but also easily transported and prefinished as much as possible. Consideration also needed to be given to environmental impact and the choice of a sustainable construction material.

This is where the benefits of McIntosh Glulam construction came to the fore. Manufactured from sustainable NZ radiata pine these lightweight members are stronger weight-for-weight than other building materials such as steel or concrete with minimal response to temperature change. McIntosh has developed extensive expertise in precise finishing and prefitting of purpose-made bracketry so that components arrive on site ready for immediate assembly and installation.



Credits | CLIENT University of Ballarat | ENGINEER Mark L Batchelar | ARCHITECT C4 Architects



## 43m span Glulam arches – a cost effective solution to University Riding Arena

McIntosh Timber Laminates have once again proven their ability to provide cost-effective Glulam solutions. When Bruce Bell of Timber Engineered Structures was approached to provide a purpose-built Riding Arena for Ballarat University in Victoria, he called on the long association TES has had representing McIntosh in Australia. MTL came up with a design and supply package from NZ that was more economical than other alternative options.

The 43m free spanning arches spaced at 8m centres cover an area 80m long.

The pre finished light weight timber arches arrived on site in three sections and were quickly assembled and erected.

Coming from selected quality NZ radiata pine this option provided a sustainable and renewable solution for the University. In a world where there is increasing pressure to consider environmental impact in the choice of construction materials McIntosh are achieving notable successes with Glulam.

Credits | CLIENT Rotorua District Council | ENGINEER LHT Design

## RIDING IN ROTORUA

An attractive new bridge connecting Rotorua's CBD to Ngongataha has already proven a great success with both the local community and Rotorua District Council. The bridge, designed by LHT Design, is part of a Council initiative to develop a series of cycle-ways throughout the region.

**"We enjoyed working closely with McIntosh Timber Laminates Ltd, ensuring the structure was simple to build, cost-effective and in line with the client's needs. The structural frame of the bridge curves in differing directions, creating a crossing that carries the required load, but also has a soft visual impact."** KELVIN LONDON – LHT







## TOP SCORE FOR CARLAW PARK DEVELOPMENT

Carlaw Park earns an Auckland City Council Merit Award under the Mixed Use Property section.

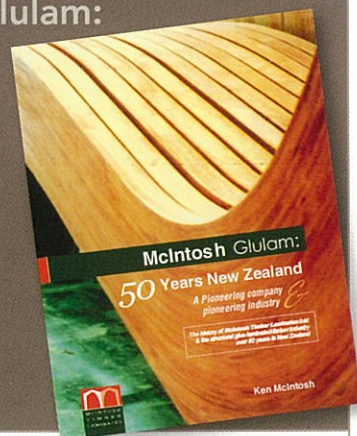
## NEW PUBLICATION McIntosh Glulam: 50 Years New Zealand 1958 to 2008

A Pioneering Company and Pioneering Industry.

This new book documents the history of McIntosh Timber Laminates Ltd and the structural glue laminated timber industry in New Zealand.

\$40 + GST (includes postage within NZ)

For orders please contact the office using the contact details below.



## GREEN CREDENTIALS

Are you concerned about the environment?

MTL Glulam uses NZ's only renewable construction material – TIMBER.

What other construction material can offer:

- > **Sustainable, renewable resource from managed forests in NZ?**
- > **Energy efficient manufacture?** (Glulam uses only 8% of the energy needed to make an equivalent steel beam)
- > **Carbon storage?** (Glulam beams act as carbon sinks storing carbon for their lifetime. While a Glulam beam will store 16.2kg of carbon the equivalent steel beam releases 28kg)

Remember the invigorating smell of a growing forest? Ever taken a deep breath of the "forest" where they "grow" steel?

## 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 AS/NZS 1328 for Glulam and AS/NZS 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.

### Management:

Grant McIntosh, Managing Director (grant@mcintosh.co.nz) or Owen Griffiths, Sales & Marketing Director (owen@mcintosh.co.nz)

### Technical queries and quotes:

Grant (Sandy) Sandiford (sandy@mcintosh.co.nz) or David Dash (david@mcintosh.co.nz)

### Factory/Operations:

Michael Wannell (michael@mcintosh.co.nz)

### Despatch/Reception/Admin:

Vicki Higgan (vicki@mcintosh.co.nz) or Dale Dobson (dale@mcintosh.co.nz)

### Accounts:

Ruel Nael (ruel@mcintosh.co.nz)

## SHAVINGS AND OFFCUTS

When our man of many skills, Sandy (Grant Sandiford) who has built boats, cars and houses in the past, felt the need for another "project" about five years ago, he began on a new venture; to build a microlight from plans (all taking place at his home). Well, he is now ready to take to the skies, so beware.

NZ is set to take on the "Ozzies" at something other than rugby – Owen Griffiths, Sales and Marketing Director, has been invited to present McIntosh International Achievements at Wood Solutions Conferences throughout Australia in September.

Ken McIntosh and wife Maureen are traveling again to far corners of the earth. They were last seen disappearing into the sunset over the North Sea. While away Ken is hoping his book sales will surpass those of John Grisham.

## Want to find out more?

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

**McIntosh Timber Laminates Ltd**  
9 Bostock Place, East Tamaki  
Manukau, PO Box 14 604  
Panmure, Auckland 1741

TELEPHONE 64 9 253 9349

FACSIMILE 64 9 253 9370

EMAIL sales@mcintosh.co.nz

WEBSITE www.mcintosh.co.nz