

ISSUE 8

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COPE



NZ Metal Roofing Manufacturers Inc.





SCOPE

NZ Metal Roofing Manufacturers
Inc. Executive Committee
2004/2005

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PRESIDENTS FOREWORD

Welcome to our eighth issue of SCOPE.

2004 has been an exciting but difficult year for metal roofing and cladding manufacturers who have, at times, struggled to meet the very high levels of demand that they have experienced, in all the markets that they operate in, due to New Zealand Steel supply and allocation issues.

As you will be aware New Zealand Steel undertook a major upgrade of their Metal Coating Line in the last two weeks of March 2004. Unfortunately they experienced commissioning problems during the "start up" phase and this led to lost production at the Mill. To make matters worse, the commissioning occurred at the same time as New Zealand was experiencing a twenty five year peak in residential and commercial building activity.

As a result of the continuing high levels of demand and ongoing performance issues, New Zealand Steel struggled to keep up with the domestic demand for steel and all of its customers were placed on allocation in June 2004. I am now pleased to report that, as of January 2005, New Zealand Steel have successfully increased the output of their plant and that we are now looking forward to a more stable supply year in 2005.

It is also encouraging to see the diverse range of material which is now being submitted for publication in Scope. Many architects, designers and manufacturers have recognised the value in submitting their work which is of benefit to the industry overall.

I trust you enjoy this issue and I look forward to your continued support in the next issue.

Darrell Back
President
The NZ Metal Roofing Manufacturers Inc.

Darrell Back President

Darrell Back is the Managing Director of the Steelform Group of Companies.

Tony Barbarich immediate past President

Tony Barbarich is the Director of Business Development for Metalcraft Industries.

Gary McNamara Executive Member

Gary McNamara is the New Zealand Sales and Marketing Manager for Gerard Roofing

Philip Meyers Executive Member

Philip Meyers is the Marketing Manager of Roofing Industries Limited

Warren Oliver Executive Member

Warren Oliver is the Managing Director of Franklin Long Roofing.

Gregg Somerville Executive Member

Gregg Somerville is Marketing Manager for Dimond.

Mark Winnard Executive Member

General Manager
Steel & Tube Roofing Products

Above is a brief introduction to the 2005 executive of the Association. It is intended that Scope be representative of the industry and therefore material of interest is welcomed from all sectors of the building industry be it design, research, manufacture or construction.

You can visit our website at:
<http://www.metalroofing.org.nz>

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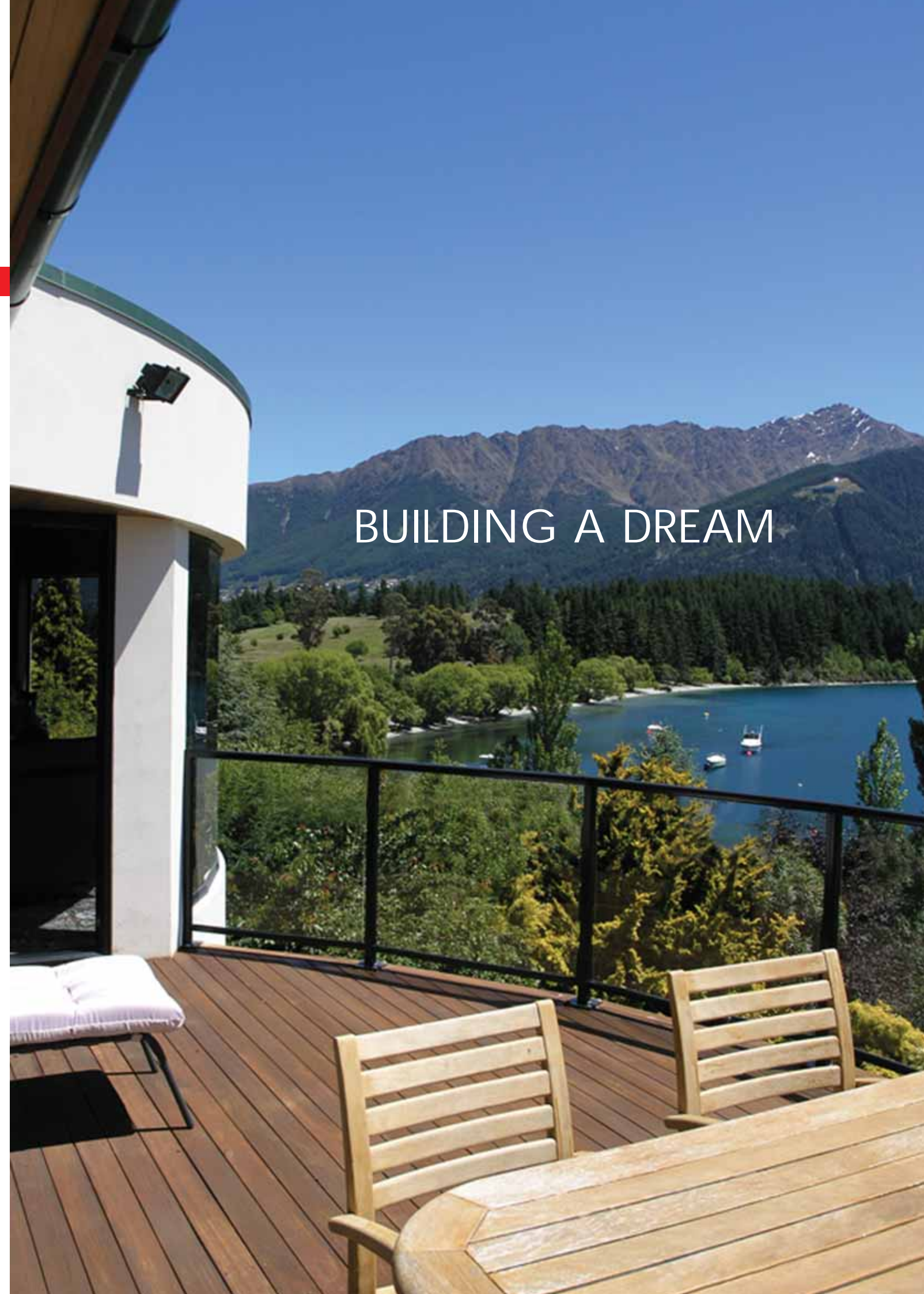
*Gary McNamara, Warren Oliver,
Gregg Somerville.*

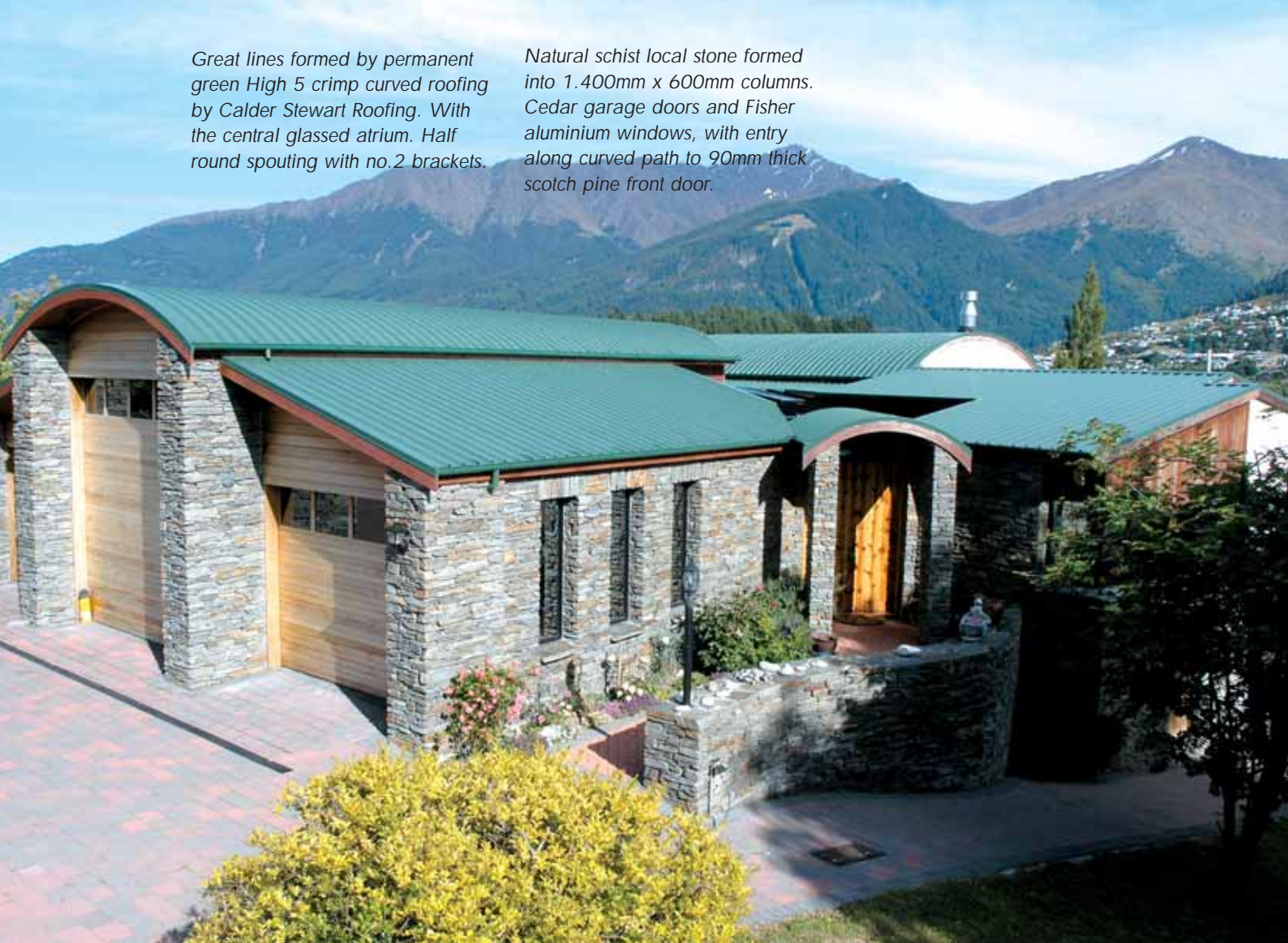
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Great lines formed by permanent green High 5 crimp curved roofing by Calder Stewart Roofing. With the central glassed atrium. Half round spouting with no.2 brackets.

Natural schist local stone formed into 1.400mm x 600mm columns. Cedar garage doors and Fisher aluminium windows, with entry along curved path to 90mm thick scotch pine front door.



Nestled on the sunny slopes above Queenstown this home offers spectacular views over Lake Wakatipu and Kelvin Heights Golf Course and is a home of rare and distinct beauty. It is the fulfilment of a boys dream and surrounds the family with many treasures from their farming origins. The home was created by designer/builder Martin Kennedy, with the help of John Weatherburn & Kerry Round, and has been built with meticulous attention to detail incorporating many features to suit the owners requirements.



Don & Doreen Goodall. A unique brief.

Imagine visiting the Goodalls on their Mossburn Hereford Bull stud farm and being presented with a pile of logs some 15m high with some logs up to 1.5m in diameter.

"Can you build me a house out of this?" said Don Goodall. Don had planted these trees on the family farm with his father as a child and his dream, to build a home from them, was about to be fulfilled. There was Scotch Pine, Lawsoniana, Macrocarpa, Oregon and we



bought in 10 cube of Heart Rimu for the kitchen and other furniture. Apart from the rimu and a little bit of decking all the timber was milled from that pile of logs to build a 480m2 house we produced 6 - 350 x 150 macrocarpa beams 7.0m long all the framing timber and

15,000 lineal meters of secret nailed tongue & grooved sarking. More timber than some people may like, but Don loved timber, the history of this timber and is absolutely enthusiastic about the results. Nothing is more important than that to both the client and designer.

A curved faceted window with superb views to the lake. The doors open onto decks which become part of the living space. (previous page)

The dinning area has a western theme with the huge dinning table,

Of course the design brief was rather more than "please build a home from this pile of logs" and incorporated everything from a launch with a flying bridge to a grand piano. Both Don and Doreen have a keen eye for detail and every aspect of their new home was thought through with care and discussed at length. Such was the detail that each piece of timber was hand picked by Don and given a place in the new home.

A FRESH NEW LOOK

By Jason Bailey. Architect

SoFresh NZ required a new office facility for their produce exporting headquarters, which would accommodate a ten person staff. The original brief was to renovate the existing office premises, a very ordinary single storey brick veneer house, to a more suitably commercial environment. It quickly became apparent that this existing structure was fundamentally restricting the brief, and we obtained agreement from Sofresh NZ to explore the design of a new building.

As a consequence, the new building would need to be constructed from a tight budget. We explored the basic requirement to design a comfortable and functional work environment, plus took the opportunity afforded by a new building to create an architectural representation for the company's image.

The flat and spacious site is located on a raised plateau with views toward the Pukekohe township. The proposed building would share the site with a large storage barn (temporarily accommodated by the Sofresh NZ team during construction), gravelled car park and outdoor barbeque and entertainment area.

The client provided us with a free reign to design according to their brief, and gave us the opportunity to follow through with all aspects of the design, extending to furniture and art selection.



A central spine form incorporates the entry, kitchen and toilet facilities, technology hub and storage rooms for the offices. This central form is a 'thickened wall', which divides the more public open plan office, reception and waiting areas from the more private meeting room spaces and lunch and entertaining room. This spine coincides with a generous internal gutter running the length of the building, and extends to the entrance with a projected signage wall.

This spine structure supports the tilted roof planes raking up to the east and west with expanses of glazing offering views to generous gardens.

We sought to explore the language of the rural shed, in response to the rural locality and the nature of the product. Longrun steel was an obvious cladding choice for walls and roofing, both for the vernacular association of rural structures and for the cost effectiveness of the material. We combined with rendered brick walls to provide an element of



The doors disappear into the walls and the decks become part of the living area.

warm & friendly." To achieve this Martin emphasises the importance of listening to his clients aspirations first, with no fixed ideas in mind. "Only then can you craft a home which will exactly suit the owners lifestyle and sit comfortably within its environment."

The Designer:

Martin Kennedy has been involved in the building industry since leaving college in the mid 60's. His early experience as a draughtsman, servicing the precut market, lead him into the area of design and build. Since 1972 Martin has been self employed and applied his industry experience, natural design flare and superb craftsmanship to create many fine homes. The Goodall home featured here is testimony to those skills. Of recent years Martin has concentrated more on design. His experience in the fundamentals of building has been invaluable and taught him to design from "the sticks up". " If I don't know how to build it, I don't expect anyone else to, and I won't draw it," says Martin. That will sound unfamiliar to a lot of builders and sub-trades within the industry but it is this practical knowledge and application, Martin believes, that sets him apart.



Solid heart rimu with stone inserts at working spaces. The barrel-vaulted ceiling continues through this area.

The Design

The approach to the upper level is bordered by a curved, schist stone wall which leads through stone pillars to a huge, solid Scotch Pine entry door. The entrance opens into a foyer bathed in light from the central atrium and offers a welcoming warm glow from selected grain timbers. From this central foyer you can access the garage, office, powder room, master bedroom or move through the double doors into the open plan dining, kitchen, lounge, sunroom area featuring massive vaulted ceilings and a superb view over Lake Whakatipu. The entire top floor has been designed to be fully self contained to provide a future solution in the event of mobility issues.

The lower level consists of 3 bedrooms, library, family room, bar and a bathroom and spa lit from the glass floor in the atrium above. Level 2 also has a garage to house the jetski.

During the building process when some 15,000 metres of T & G sarking was spread on the upper garage floor Don saw the different grains and selected each piece of timber for a particular wall and room. He would say, " I like these knotty bits can I have this in this room or that room?" This took time

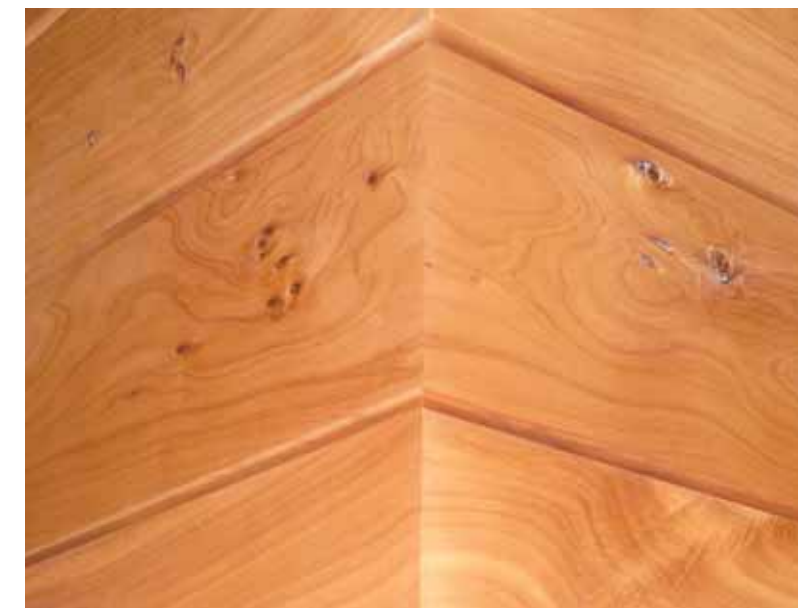


and put the project over budget by a considerable amount however the result was worth while and we were fortunate that Don knew what he wanted and accepted the costs involved. On that basis, "if our client wants it then the job is done." Don was happy and we were happy.

After some consideration it was decided that a barrel vaulted ceiling in the garage would best house the launch. This would be continued at a right angle in the lounge, with lean-to roofs. This was enhanced by having the central vaulted ceilings lined with T & G sarking which featured exposed rafters with sarking over in the wings.

Every mans dream 120m2. enough room for the boat and 3 cars. Features surround sound, a drained pit to wash your stern-drive and a butlers sink to clean the days catch.

The roof was supplied and installed by Calder Stewart Roofing. It is Permanent Green ZR8 Hi Five which has been crimp curved to follow the roofline designed by Martin Kennedy. (Calder Stewart can crimp curve Hi Five to a radius of less than 0.5m) Calder Stewart Sales Manager Brendan Monaghan says "This roof is interesting in that the design called for a trapezoidal not corrugated profile. This profile gives a more modern feel than that normally achieved with the traditional stacked stone and corrugate combination usually used in the area."



The attention to detail and craftsmanship in matching the grain is apparent throughout the home and a tribute to the carpenters.

This home is packed with thoughtful detail and character, filled with reminders of the owner's farming origins and many extra touches to make their lives convenient and pleasant.

Both Don and Doreen are convinced the excellence of Martin's joinery skills, his patience and attention to detail has provided them with a home built to the highest of standards. It is the realisation of their dream.

"To find a designer and builder of Martin's calibre today is very rare," says Don.

For Martin the challenge of creating a special house from that initial pile of logs was satisfying and enjoyable.

Doreen describes it as a home built with fun and laughter. "It has been nice to bring something of the farm with us."

Design Philosophy:

It is all about working together with the owners to design a home that is

Owners: Don & Doreen Goodall

*Designer: Martin Kennedy Design
Builder: Martin Kennedy
Construction
Queenstown
Telephone: 03 442 4890
e mail: m.kennedy@snap.net.nz
www.mkdesign.co.nz*

*Carpenters:
John Weatherburn & Kerry Round*

*Roofing Manufacturer & Fixer:
Calder Stewart Roofing
Telephone: 0800 115 232
Profile: Permanent Green ZR8 Hi Five*

*Plumber: Nelson Plumbing
Electrical: Laser Electrical*



robustness and anchoring the building to the site. Meranti plywood soffits provided an element of warmth and contrast to the harder more industrial material components.

Within the building, a comfortable and contemporary office environment relates to the world of international commerce. The generous kitchen and entertaining space was positioned in response to the existing and frequently used outdoor barbeque garden area.

Thanks to the confidence and cooperation extended to us by the client, and an efficient and responsive building contractor, the outcome was achieved on budget and to programme, and provided us with one of our more interesting commercial projects.

Client: Sofresh NZ

*Architect: Jason Bailey
Bailey Architects Ltd
Auckland*

Interior design: Megan Camp

Documentation: Jeremy Opie

Telephone: 09 520 5301

e-mail: info@baileyarchitects.co.nz

Contractor:

Reidy McKenzie Construction

Contact: Paul Reidy

Telephone: 09 267 3030

e-mail: office@reidymckenzie.co.nz

Roofing and cladding:

Roof Improvements

Telephone: 09 267 3030

Roofing & Cladding manufacturer:

Metalcraft Industries Limited

Hamilton

Telephone: 07 849 3807

Profile: Corrugate

Colour: Sandstone Grey

Photographer: Judith Holtebrinck

Lookaround Design

Telephone: 09 638 8330

Email: jh@lookaround.co.nz

Bailey Architects Ltd.

Jason Bailey formed Bailey Architects in 1998. The company's work predominately comes from the residential sector and includes new residential, holiday homes, renovations and multi unit developments. Bailey Architects work is not strictly confined to these areas and they do selective commercial work such as the Sofresh offices featured. Commercial work they have undertaken commissions for includes Dunk Cafe in Parnell, All Seasons Fitness Centres in Howick and Botany and they have recently begun a large apartment complex at Tutakaka, Northland. Whilst the practice is based in Auckland Bailey Architects offer their services nationally and have completed projects from Queenstown to Northland.

The services offered by Bailey Architects includes Architects, Architectural Technicians and Interior Design services.

"We believe that the Architectural services are enhanced by offering our clients the opportunity to work with us in collaboration with our interior designer. The synergy between interior and exterior is an important aspect of any project and an inherent part of services we like to offer our clients," says Jason Bailey.



Jason Bailey



Megan Camp



Jeremy Opie





MAKING THE MOST OF EVERYTHING

Architect Aidan Pykett, working together with owners John & Glenys Taylor, have created a unique environment which capitalises on the natural panorama and sunshine offered by the site and minimises the impact of very high winds in the area.



The Brief:

Owners John & Glenys Taylor come from a farming background and wanted their new home to reflect this heritage.

The home should be light and airy and yet feel solid and well grounded.

The site offers extensive views over Tasman Bay which John and Glenys wanted to make the most of. Due to it's elevated position the site experiences very high winds which

required careful planning to create sheltered outdoor entertainment areas.

Specific practical requirements were:

To house a collection of antiques in an otherwise contemporary design.

To enjoy the space of double the usual stud height in the lounge and dining area.

To incorporate an open fire in the lounge.

To have the master bedroom on the ground level.

To provide a self contained flat with separate outdoor living space for a family member above the garaging.

To have 2 guest bedrooms.

To create a family, office and breakfast area which would be cosy and take full advantage of the morning sun.

To provide garaging for three vehicles and...not least to take advantage of the high sunshine hours by utilising passive solar heating.



Design response:

The location of this site and the position of the home on the site was the first major consideration. How best could the natural beauty of the views be balanced against the severe winds experienced in the area.

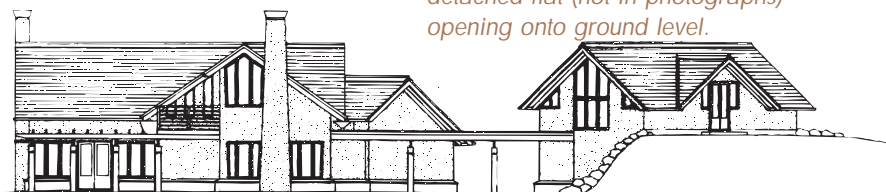


The house sits on a natural bench in a steep hillside 90 metres above sea level. The hillside behind the bench was excavated to "pull" the house back as far as was practical to tie it into the landscape, reduce the impact of road noise from the State highway and reduce the visual impact of the house to the highway. This gave the added benefit of increased shelter to outdoor areas for the main house and allowed the flat above the garaging to open out at the same level onto its own private outdoor area on the uphill side.

Consideration to the living comfort of the house was planned at the outset. It was important that the whole house, including the large and high living spaces, remain comfortably warm all night without supplementary heating in the winter and cool in the summer. The large areas of North and North West glazing took full advantage of the excellent views across Tasman Bay and Nelson and provided a light and airy feel. These were double glazed.

The insulated concrete floor slab and masonry elements within the building created heat sinks which, combined with better than standard insulation for the roof and walls, all combined to enable efficient passive solar heating.

Numerous products were considered prior to making the roof cladding decision. "We originally considered various bitumen based shingles but none, we looked at, could stand up to the very high wind speeds encountered on this exposed site," says Aidan. Gerard Senator Shingles were chosen for their non-reflective qualities (which further reduced the visual impact from the state highway), their low profile textured appearance, secure fixing and high wind rating.



Box trim was chosen in lieu of the usual angle trim to give a flatter look at the ridges, hips and barges.

Solidity and grounding are achieved by means of a schist plinth which visually ties the building to the ground. The pitched roof, tapering chimneys and columns add to this effect.

Pushing the living areas out in front of the building allowed uninterrupted views from these spaces and an easy flow from them to the outdoor living areas. This provides a choice of outdoor spaces, one of which is always sheltered from the wind, which was a major consideration with site planning.

Elevation shows the garage with the detached flat (not in photographs) opening onto ground level.



Aidan Pykett: Architectural Designer

Aidan did his degree in architecture at Oxford Brookes University, England.

Having travelled extensively in Asia, Africa and Europe for 5 years Aidan returned to Oxford Brookes to do postgraduate study in Architecture and combined this with a postgraduate in Third World Development.

His work included considerable research into appropriate technology solutions to third world building problems, particularly the use of mud brick and straw bale.

Some of his projects include work for the British Council in Zambia developing building systems for a series of teacher's resource centres, work on appropriate building systems in Ladakh, India and designed a hostel for schoolchildren in the Zaskar Valley, in the Indian Himalaya.

Ironically, says Aidan, I came to N.Z. about 7 years ago designing mud brick, straw bale and passively solar heated houses for New Zealanders.

Aidan's background and experience in a diverse range of building materials is reflected in his awareness to detail and concerns in environmentally friendly and sustainable resources.

Clients: John & Glenys Taylor

*Architect: Aidan Pykett
Aidan Pykett Architecture
Nelson
Telephone: 03 545 1110
E-mail: aidan.p@clear.net.nz*

*Builder: Phil Frost
Telephone: 021 220 5834*

*Manufacturer: Gerard roofs
Profile: Gerard Senator textured
Colour: Eclipse
Roofing contractor:
Roofing Systems (1977) Ltd.
Nelson
Telephone: 03 547 2930
E-mail: roofsys@extra.co.nz*



HYNDS BUILD AN ICON FOR THE FUTURE

by Neil Wyatt of Dalman
Architecture Limited

Often with Industrial projects of this type our Clients will come to us with a very rigid and functional brief with little room for aesthetics. This was not the case with the Hynds Pipe System project where their aim was to grow their concrete and plastic pipe business into the South Island, calling for the building to become an "Iconic" flagship for their future expansion plans.



Neil Wyatt

The building was required to have 450 m2 of warehousing with an adjoining 120 m2 of offices. This would form the basis of our brief and the Clients words "use your imagination - but keep it cost effective" forming the remainder. The site is on the southern periphery of Christchurch with a strong relationship to State Highway One. The new building is the first major industrial building to be seen on approaching Christchurch.

Our response to the brief was a concept of "fractured forms" with the warehouse and office elements defined in a mix of Zinalume®, compressed sheet and painted tilt-up concrete panels. The offices had to

be located on the north - east corner of the warehouse to suit the internal and external flow of the building. This resulted in a potentially visually difficult integration between office and warehouse - a critical aspect to get right on any industrial project. Our solution was not to hide this potential conflict, but highlight the interplay of forms with the office wall set at an angle to the warehouse, and with the office roof also angling up towards the highway. The offices do not appear to be "tacked on the side" like many similar industrial developments, but appear to emerge out of the end of the warehouse and fly out from it.



The main vehicle entry is not from the State Highway one, therefore the building required a second frontage to address visitors to the site. Wedged elements in hardwood slats and charcoal plastered concrete, lift up out of the ground plane to mark the building from this aspect. A staff courtyard is formed within the sheltered prow of hardwood slats. Signage and flagpoles provide corporate opportunities for the business from this entry aspect.

The interior of the warehouse is simply handled with concrete walls and floor with a steel portal framed structure and steel cladding all exposed.

The reception area highlights concrete systems with its terrazzo floor and concrete reception counter



with horizontal banding inlaid with stainless steel. The main entry canopy floats into the building and "folds down" into the floor to frame the reception counter.

The exterior colours are bold; in keeping with the industrial use. This helps a relatively small building stand out in the larger asphalted environment around it. Yellow and grey are the corporate colours of Hynds and these colours work well against the metallic look of the Zinclume® coated Dimond V-rib® wall claddings and Dimond Styleline® roofing.

Industrial buildings as in any other work place are the part of our built environment which many people spend most of their working life. They should not be reduced to arbitrary

metal or pre-cast concrete boxes bereft of style or imagination through the lack of a little thought at their conception. Designing in a creative way with differing configurations of materials does not necessarily mean more expensive results. If we can achieve an engagement of the people's minds in how these buildings look and function then all of our working environments can only improve.

Dalman Architecture Limited

Dalman Architecture Limited is a private company formed in July 1997, and is owned by Richard Dalman. Working Directors include Brett Ridley, John McGrail and Richard Hayman.



"The company concentrates solely on architecture and interior design, and undertakes work across many different sectors.

The success of Dalman Architecture has been founded on our philosophy of performing for our clients by producing practical, attractive and cost effective designs backed up by a high standard of construction documentation.

Our designs are developed from our client's requirements and are always appropriate to the site and context. High value is placed on working closely with our clients to meet their objectives.

We have a staff of 20 including architects, draughtsmen and interior designers within the Christchurch office, and have recently opened a new office in Arrowtown.

The company is set up for large, complex projects, but is also small enough to ensure detailed attention to smaller projects.

One of our key strengths is our communication skills which we believe are essential for successful projects.

Richard Dalman has used Zinclume® coated wall cladding sheets on his recently completed award-winning home in Christchurch".



Other Industrial projects undertaken by Dalman Architecture can be seen on their website www.dalman.co.nz

Client: Hynds Pipe Systems

Architects: Dalman Architects Limited

Christchurch

Architect: Neil Wyatt

Telephone: 03 366 5445

e-mail: nw@dalman.co.nz

Main contractor:

Bradford Building (ChCh) Ltd.

Telephone: 03 339 6688

Roofing & Cladding Manufacturer: Dimond

Telephone: 0800 400 222

Wall claddings: Dimond V-rib®

Roofing: Dimond Styleline®

Roofing Installer: Mill & Newfeild Ltd.

Photographer: Stephen Goodenough



PERFECTION IN PUKEKOHE

Located in an idyllic Pukekohe setting, this traditional brick and tile home designed by CTM Architectural Designers Ltd fits perfectly with its surrounding environment. Large eaves over the back deck provide a covered outdoor entertaining area perfect for summer barbeques or simply relaxing with friends.

Craig Mulholland of CTM explains that they chose brick for the external cladding due to its "look of traditional solidarity" which fits nicely with a country environment punctuated by majestic oak trees and green pastures. In addition, the brick cladding is "proven, reliable and low maintenance" ensuring an enduring visual impact.

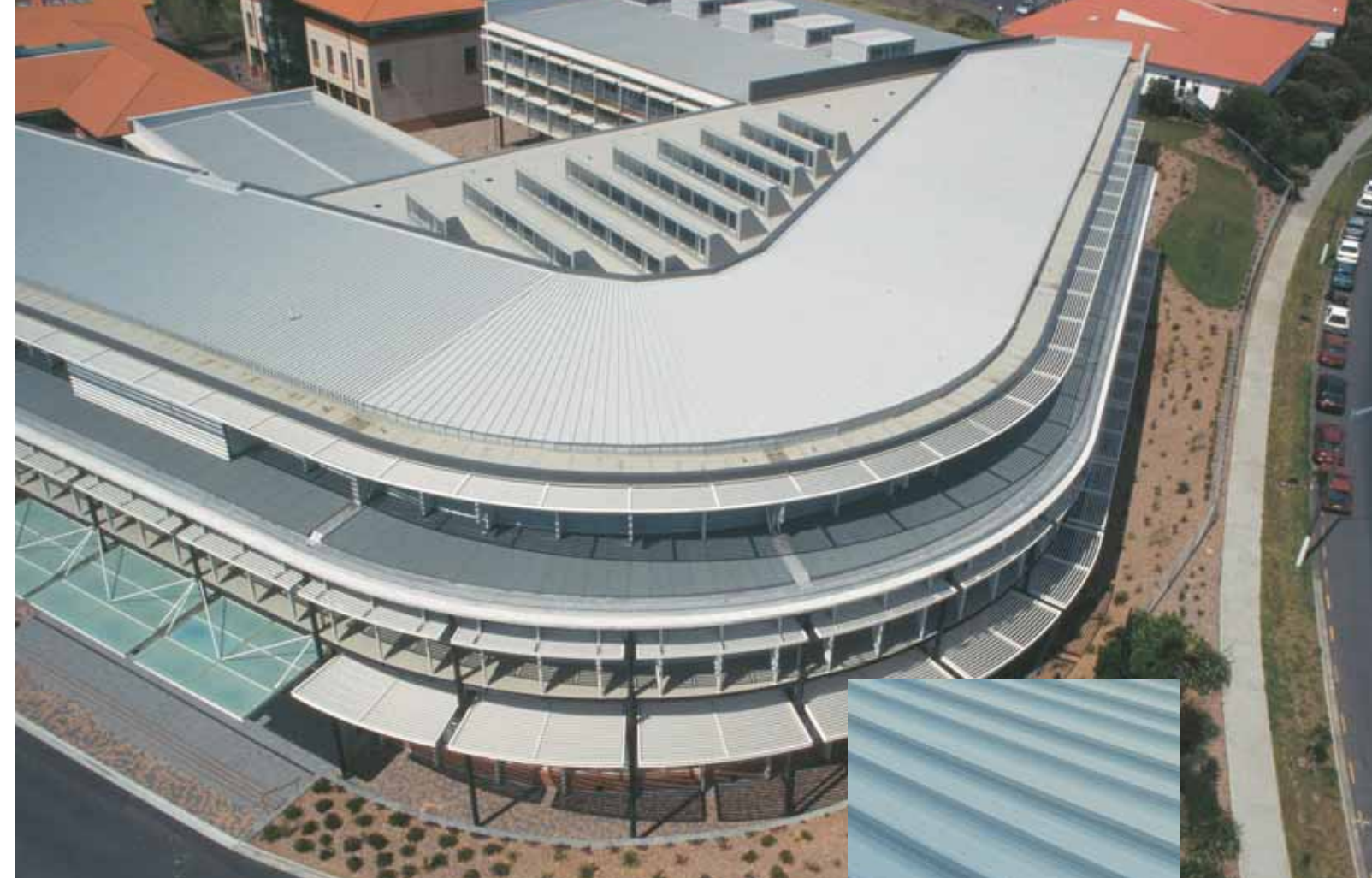
To complement the patterned brick work, Mulholland selected Dimond Riverstone Tile in Charcoal for the roof, creating an understated yet robust look. "We chose the Dimond Riverstone Tile for several reasons which included its durability of colour and finish, ability to be easily colour coordinated with the guttering

and for its lightweight tile characteristics which allowed us more flexibility in terms of the structural elements of the house." Furthermore, CTM were able to confidently specify Dimond Riverstone Tile with the knowledge that the installers, Counties Manukau Roofing, are experienced operators who always ensure a professional and exact finish.

Registered Architectural Designers:
CTM Architectural Designers Ltd
Telephone: 09 238 4414
E-mail: ctm.arch@extra.co.nz

Installation:
Counties Manukau Roofing Ltd
Telephone: 09 238 0085 or
0274 950 220

Roofing Manufacturer: Dimond
Telephone: 0800 Dimond
0800 346 663
Website: www.dimond.co.nz
Profile: Dimond Riverstone Tile



JOINING FORCES

From the foundation to the interior design, the University of Auckland's new Population Health Complex reflects modernity in its aesthetics, building technology, sustainability and sense of community.

John Lander (University Development Manager) says the project team was committed to exacting standards and time constraints. The overall intent was to provide a facility that encouraged interaction between academic resources and the wider community.

Considerable effort has been made to conserve energy with features such as energy efficient air conditioning and lighting systems, both supplemented by natural light and ventilation, and a climate responsive facade to minimise solar gain. Over all energy cost savings up to 40% are expected. Architectus Auckland designed the project, which was built by Fletcher Construction. To ensure a long term, completely

waterproof roof Architectus specified concealed fixed roofing for the entire complex. What made this design different from others was the selection of two complementary profiles to achieve the final result. Dimondek 400 was specified on the straight sections and Eurotray® Angleseam was specified through the curved sections. Eurotray was chosen as it is able to be tapered which allows it to follow a complex roofline.

"With today's emphasis on weathertightness concealed fixed roofs are ideally suited to achieving this and by selecting the profile or profiles that best meet the desired outcome of the client there is no need to compromise on either aesthetics or speed of construction" says Scott Townsend, Marketing Communications Manager for Dimond.

The principal advantage of concealed fixed roofing is the

elimination of holes. The concealed clip system is first attached to the purlins and then the roofing is clipped onto the clip eliminating both holes and visible fixings. Logically, this provides better weathertightness and has obvious aesthetic benefits.

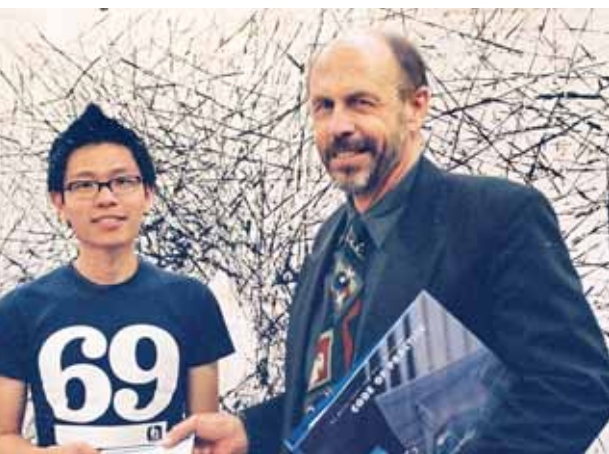
Client: The University of Auckland

Architect: Architectus Auckland
Telephone: 09 307 5970
Email: mail@architectus.co.nz

Main Contractor:
Fletcher Construction

Roofing Manufacturer:
Dimond
Telephone: 0800 346 663
www.dimond.co.nz
Product: Dimondek 400
Installer: Clarke Roofing

Roofing Manufacturer:
Calder Stewart Roofing Ltd.
Telephone: 0800 438 768
Product: Eurotray® Angleseam
ZR8 prepainted steel.
Installer: Calder Stewart Roofing



Winner of the NZMRM 2004 Residential Award.

In 2004 the Auckland School of Architecture introduced a new paper for second year architecture students. The central theme being "How can architecture continue to be new?"

The executive committee considers the support and growth of talent in our universities and amongst our youth as a vital part of the industry future. Together with Brian Taggart of The University of Auckland the committee agreed to sponsor the award for the building that best answered the brief and used some form of steel cladding or roofing. The judging was under the direct control of Carl Douglas, Design Staff Supervisor with no influence from the association.

The overall winner was Alex Chin Lee TEOH with his entry entitled "Frankenstein House" (featured in Scope issue 7).

Pictured above: Alex receives his award at The Auckland University from Peter Atkinson, Executive Officer NZMRM.

MEGA 5 HAS LANDED

Calder Stewart Roofing have released a new commercial roofing profile that is set to take off!!

MEGA 5 has been released to complement Calder Stewart's, already, comprehensive selection of roofing and rainwater products. With a rib height of 55mm, an effective coverage of 910mm and the ability to span over 4.0m, this profile will be ideal for large commercial buildings.

A unique rib design has been incorporated, in the profile design, which strengthens the rib as well as improving the ease of installation.

Material options of 0.4mm or 0.55mm bmt in, ZR8, ZRX or unpainted ZnAL are available. An insulating twin skin translucent roofing system, from Alsynite, is also available to match, and complement MEGA 5.



The first major project to see use this new profile is the Dunedin International Airport Extension, being run by Arrow International.

For further information contact Calder Stewart on 0800 438 768

AHI Roofing Purchase of Malaysian Tile Plant.

As you may be aware Fletcher Building has contracted to purchase the Malaysia Roofing Industries (MRI) factory in Malaysia in order to increase AHI Roofing's global manufacturing capacity.



With final settlement expected to take place during February 2005 the new company will be known as AHI Roofing Malaysia. It will operate from the existing MRI factory in Nilai, an industrial town some 45 minutes south of the capital city Kuala Lumpur.

All existing MRI staff will be offered jobs with AHI Roofing Malaysia and AHI Roofing's Asia Regional Manager, Stephen Homer, will be appointed Company Manager.

Progress with upgrading the existing factory is already well underway and a brand new accessory coating line and oven is currently being constructed. By July 2005 the Malaysian operation is expected to be manufacturing a range of tile and accessory products identical to those made in New Zealand.

Rarotonga 2004

This years NZMRM conference, held at the Edgewater Resort Rarotonga, from 6 to 11 October was by popular acclaim, the best yet. With a total attendance of 98, including 54 Delegates and Suppliers this was also one of the best attended conferences in recent years.

The first business day commenced with presentations by Executive chairs of the Association's various committees. Of particular note was the presentation by Brad Bridges on the recent market research undertaken by TNS on what drives the specification of Concrete and Steel in the residential new roof market.

The NZMRM also held workshop sessions in regards to the forward direction of the association, its relationship with RANZ, SCOPE magazine and the marketing of the NZ Metal Roofing Code of Practice.

Following the NZMRM workshops New Zealand Steel reviewed the current steel supply environment and provided an informative forecast in regards to market and economic trends. Pacific Coilcoaters then undertook a comprehensive presentation on the impact of environment and design in regards to product and warranty performance. They also reviewed the progress of a small number of partnership initiatives that they are managing in conjunction with the NZMRM.

Supplier and Technical presentations also covered a range of topics including edge protection, the Building Act, E2/AS1, Building Consent Authorities, Product Certification, the Licensing of Building Practitioners and roof underlay.

The social programme commenced with the New Zealand Steel Industry Dinner at Tamarind House. The theme of the evening was 1930s Retro Colonial with black and white costumes, white suits and broad brimmed hats.

The much anticipated Pacific Coilcoaters "Golden Day" was also a huge success. The day started with a range of beachside activities and concluded with dinner and cultural entertainment at the aptly named hillside retreat Highland Paradise.

Once again many thanks to all sponsors presenters and delegates for making Conference 2004 such a success. This years sponsors included Pacific Coilcoaters, New Zealand Steel, PPG, Ameron, Alsynite, Ampelite, Bon Pacific Trading, Hayes International, R C Macdonald, Ramset, Calder Stewart, Hylton Parker Fasteners, Tasman Insulation, Thermakraft, AKZO Nobel and DLM.

Dave McDonald, Richard Smith

Far right: Gary McNamara, Carol Meyers, Philip Meyers, Bryce Anderson, Barry Bunting



Conference Participants



Barrie Moss, Brenda Pearman



Hilary Smith, Inge Bridges, Brenda Pearman, Jo Somerville



Lou Gommons, Jackie Parr, Andrew Protheroe, Cathy Protheroe, Roger Moss



Rod Jeffries, Carol Meyers, Alistair Fleming



Angie Silbery-Dee



Darrell Black



Pacific Coilcoaters Golden Day



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