

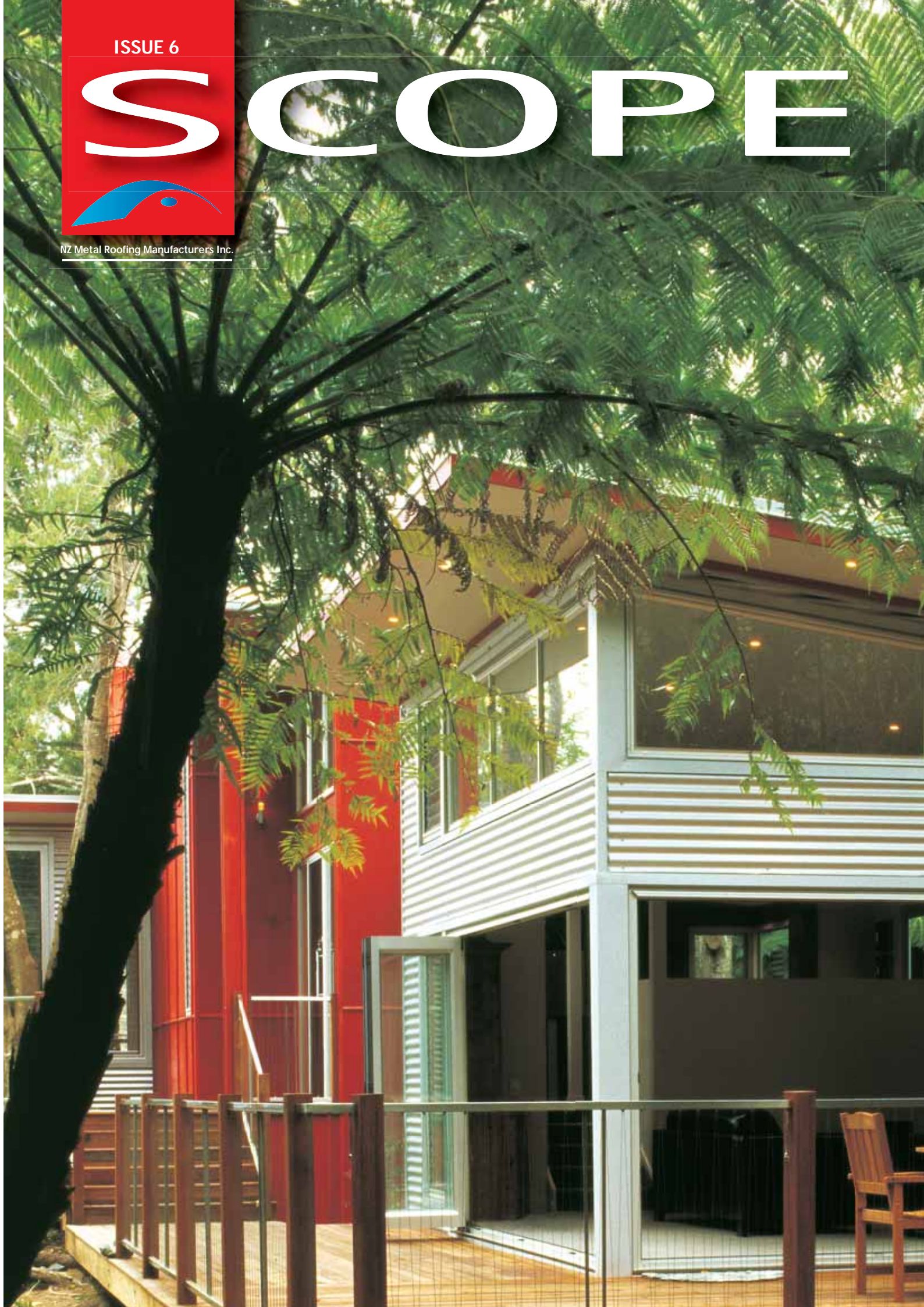
ISSUE 6

S

COPE



NZ Metal Roofing Manufacturers Inc.





PRESIDENT'S FOREWORD

Welcome to our sixth issue of SCOPE which completes our first two years of publication.

We have been excited and pleased by the projects which have been submitted for publication. It has been difficult to start a magazine from ground zero but we are heartened by the continued growing response, enthusiasm and distribution.

We are fortunate in that we have only had one letter of concern, in 2 years, which we view in a very positive light. The comparison was with the Australian publication "Steel Profile" which is admired throughout the industry for the quality of its projects and photography. We have since been able to put together a modest budget for photography and with the growing recognition of the publication we are now gaining access to an increased data base of material. Our committee is ever mindful of the standard of information and trust you will see this reflected in our future issues.

We encourage the industry to continue to support the magazine for our mutual benefits and the executive wish to extend their thanks to all who have submitted articles which is the life blood of our publication and industry.

I trust you enjoy this issue.

Darrell Back
President
The NZ Metal Roofing
Manufacturers Inc.

SCOPE

NZ Metal Roofing Manufacturers
Inc. Executive Committee
2003/2004

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.

Above is a brief introduction to the
2004 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.

If you would like to submit
material please contact any
member of the executive or
the publisher.

*Advertising and editorial opinions expressed in
Scope do not necessarily reflect the views of
the NZ Metal Roofing Manufacturers Inc., It's
executive, committees or publisher unless
expressly stated.*

You can visit our website at:
www.metalroofing.org.nz

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THE "FARAWAY TREE" HOUSE

Architect Carolyn Smith.
Collective Architecture

When home owners
Michelle and Rob decided
to create a new home for
their growing family and 4
resident cats they shared a
dream to be close to
nature, have space, peace
and quiet. Not least to
build an environment
which would afford them
the time to enjoy their
home and family with
limited maintenance.

Having sold their home
the search for the ideal
site lead them to
Auckland's North Shore
where they discovered a
one hectare block
completely covered in
mature and re-generating
native bush. The density of
the protected bush and the
sloping escarpment, they
soon discovered,
presented many
constraints for both
contractors and architect
Carolyn Smith.

Rob chose the site and
with the exception of
wanting a DOC style
study he was happy to
leave the overseeing of
design, planning and
contract management to
Michelle.

The walk way to the left provides a “bridge” linking the parking bay to the main entrance. In time the regenerating bush will add to the appearance of a floating platform.



Rob's DOC style office to the right could not be closer to the bush. The office opens onto a deck shared by the adjoining bedrooms.



For Michelle the search for ideas in magazines lead her to an article which captured her attention. The article featured the home of Hilary Scully (Co-Director of Collective Architecture). Many features of the home held an appeal, however, Michelle was particularly drawn to the company philosophy which suggested that “good architecture should be available and affordable to everyone who wants it”. Her perception prior to this was that only the very wealthy could afford an architect and as a result of the article she was encouraged to call Collective Architecture.

Having talked through the project with Carolyn Smith (Co-Director of Collective Architecture) they arranged a site visit after which Michelle was reassured that

Carolyn was the right choice of architect as they shared the same appreciation of the site aspects offered. Having struggled down an over grown logging track and on seeing a huge Puriri tree on site Carolyn said “That looks like The Faraway tree” (Enid Blyton’s fairytale book) which was exactly what Michelle had been reminded of when she and Rob first saw the site.

This was the beginning of an empathetic relationship between them which ultimately provided a very satisfying result for both client and architect.

Michelle provided a four page wish list, including site and budget restrictions, and a box full of magazines of design attributes she

liked saying “do what you like but here are a few ideas”. For Carolyn this proved very helpful and together with considerable communication, provided the insight she needed.

The result says Michelle “was fantastic. We never changed one thing from the first drawings.” Considering the restrictions imposed by the council and the need to protect numerous trees, Michelle applauds Carolyn’s skill in designing around the huge native trees, some of which are within a metre of the building.

“The limitations on the site and the council requirements proved a nightmare for design, engineering and building. The arborist was called at every stage and all site



By day and night the effect is secluded and dramatic. Two walls of the lounge open directly onto the deck and outdoor living area.

works had to be completed without the use of heavy machinery.”

Both Rob and Michelle hold those who worked on the project in very high regard, particularly Carolyn Smith (architect) and Greg Gunderson (building contractor). They have done a superb job.

Michelle summarises her building experience well. “Rob and I love this house and setting, and feel that we were lucky to find an architect that took the thoughts and ideas that we had for this land, but could not express, and turned them into this home. I think this was the key.”

The close proximity to the bush, cost and maintenance were all contributing factors to the choice of corrugate Zinalume. The effective combination of plywood provided additional bracing to the upper building.

The warm rusty red has been brought inside to the entry and kitchen area creating a seamless flow between the exterior and interior. The dining area opens directly into the bush. The flooring enhances the outdoor feeling with superb polished Kiwila timber.



Design Director Carolyn Smith

During the initial visit to meet the client (Michelle) and to view the site, we stood together gazing at the wonderful bush dotted with huge Puriri Trees and glades of Nikaus (a bit like a fairyland) and I knew this would be a really special project.

Apart from an old logging track there was no sign of human occupation, just extremely dense bush on a steep unstable slope. The massive Puriri trees caught my imagination immediately and I was reminded of an old childhood favourite story "The Faraway Tree". The council arborist considered this site to consist of significant bush and very stringent conditions were applied with regard to the trees and their root systems. After initial advice from our geotech engineer and arborist and a detailed site survey, the constraints were clear. We were essentially not allowed to dig and retain any earth, and any

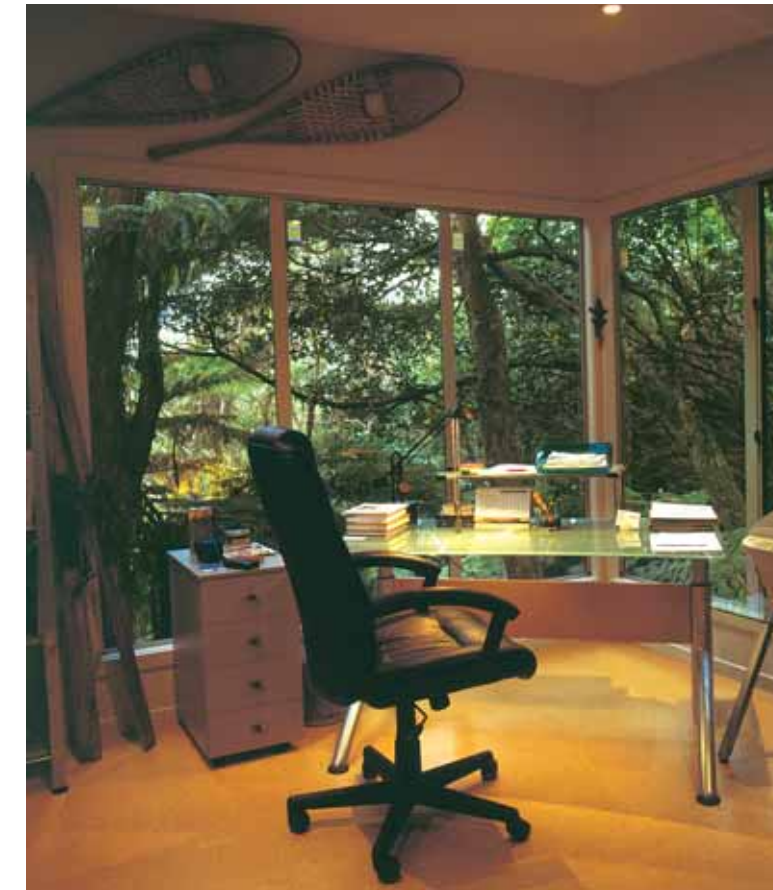
root over a diameter of 50mm which required cutting through required reporting to council for advice. The house had to be built on poles to minimise any disturbance to the roots and to allow water to pass naturally over the ground beneath the house itself. It was desirable that no significant tree was touched.

With such dense bush and a site sloping away from the sun my initial concerns were to design a house that would feel light and airy and avoid the potential darkness and dampness typical of south facing bush houses. The resulting design focuses on a long and relatively narrow L-shaped plan which opens up and lifts its roof up to the sunlight for maximum natural light and sunshine. It also aims to highlight the intimacy with the bush that Michelle and Rob loved so much, a bit like the directness and immediacy of a tree-hut. With the wonderful privacy this site offered there was an opportunity for spaces like bathrooms to be more open to the natural surroundings so full length glazing and louvered windows

were used to maximum effect. I think feeling close to nature gives one a sense of freedom and connection that we as humans need (like the experience of a solar shower slung from a tree whilst camping). Another advantage of a dense bush site is the fact that there is less wind and so the house opens up with wide sliding doors as much as possible to the north facing decks for much loved indoor/outdoor flow. The house opens more directly to the bush on the eastern slopes for more intimacy with the trees and for good cross-ventilation. The plan weaves its way to form an L-shape sitting between and avoiding touching several significant trees including a very old Kowhai tree at the entry.

In order to enter the house at a suitable part of the house, a raised timber board-walk was created to link the garage with the main house. In time the board-walk will float amongst the ferns and palms as they regenerate and fill all the gaps.

Both the upper level bathroom and "Rob's hideaway" reflect the truly tree house aspects to the home.



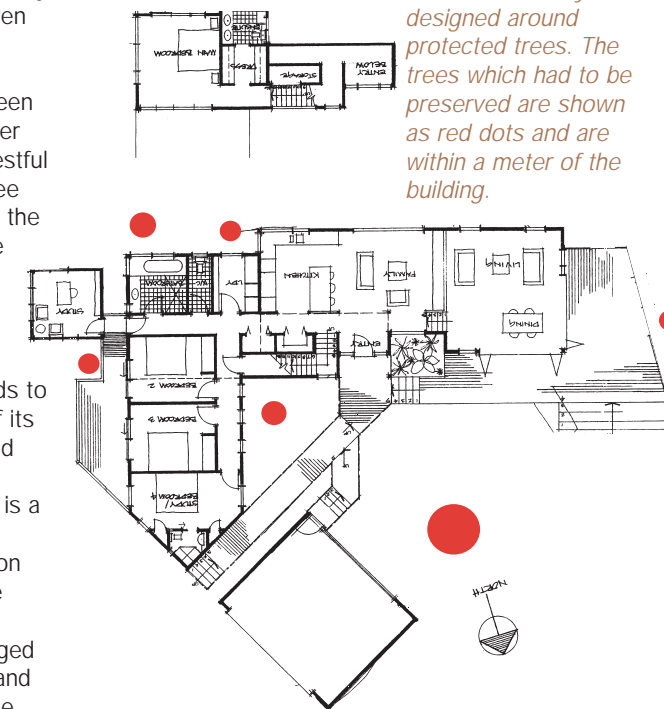
Another concern with a dense bush site, particularly not being on town water supply, is the maintenance of the building in the future. Materials were chosen to clad the house that are economic and require minimal maintenance. The bulk of the house is clad with zincalume, and then to link the two wings and to visually contrast with the zincalume, the central two-levelled block is clad with plywood and battens stained a rusty red.

The use of colour is an important feature of the house and indeed on most Collective Architecture projects it is used to enhance the character or mood of a space or group of spaces. In this scheme, the warm rusty red has been brought inside to the entry and kitchen area creating a seamless flow between the exterior and interior. All the spaces are linked together with a neutral light mushroom which provides a calming continuity and ties together the counterpoint of feature colours. The bathroom colours are a bit more

playful in particular the lower level bathroom which is primarily used by the two children. Both were given two colour schemes to choose from based on their bedroom colours: lilac, pink, pale lime green and white. Upstairs in the master ensuite the colours are more restful and sophisticated in warm coffee brown and off-white. Of course the luscious greens of the bush are ever present and a contributing colour to the general ambience of the whole home.

In summary, this house responds to the multi-layered possibilities of its site, the council restrictions, and the contemporary aesthetic aspirations of the occupants. It is a good example of a really good relationship, clear communication and an underlying trust with the client throughout the entire process. Hopefully it has managed to bring out something unique and special about this beautiful place and its particular program. We are very happy with the result.

The basic "L" shape has been skillfully designed around protected trees. The trees which had to be preserved are shown as red dots and are within a meter of the building.



The use of horizontally fixed, unpainted Zinalume is practical and provides a unique quality in reflected light and colour.



Typically, planning rules and regulations provide a very prescriptive set of design criteria that can potentially, and usually more easily, produce a very limited range of forms of house in response. When given the opportunity the skills of an Architect, and an informed and enthusiastic client can "beat the odds" and add real value by producing inspiring and more life-enhancing environments.

Carolyn Smith



Carolyn Smith



Hilary Scully

Collective Architecture Profile

Established in 1996, Collective Architecture specialise in residential architecture. Over the years their work has been featured in many architectural and lifestyle magazines, on TVNZ's "Homefront" program, in newspaper articles and



real estate features. In 2003 Carolyn was on the New Zealand Institute of Architects jury for the 2003 regional awards. They have won awards for their houses and for their kitchen and bathroom designs.

(The directors: Carolyn Smith and Hilary Scully came from an extensive background of residential and retail projects both in New Zealand and the UK before forming Collective Architecture. Soon to be renamed as Architecture Smith+Scully to better reflect the personality and personal nature of their business. Hilary and Carolyn have also designed and built their own houses with moderate budgets so they are well aware of the costs and stresses involved in the building process.

The philosophy which underlines their work at Collective Architecture is to be of value to their clients by providing high quality, appropriate and thoughtful design with attention to personal service.

Architects:
Carolyn Smith, Helena Mayo
Collective Architecture:
Soon to be renamed
Architecture Smith+Scully
Telephone: 09 845 6249
e-mail: collect.arch@clear.net.nz

Geo-tech Engineer:
KGA - Rodney Hutchinson

Structural Engineer:
Dave Shilton Engineers

Surveyors: Dimension Surveyors
Paul Connolly

Arborist: Arborlab Tree Consultancy
Carl Bergesser

Building contractor:
Greg Gunderson Builders
Telephone: 0274 439 856

Zinalume cladding and roofing:
Roofing Industries
Telephone: 09 414 4585

Fixing contractor:
Pacific Roofing Ltd

Photography: Chris Lambert
Photography
Telephone: 09 623 2050

A BEACON IN THE COMMUNITY

The new purpose-built Kapiti Police Station at Paraparaumu, north of Wellington, is a community icon with its architectural style reflecting the character of the coastal town.

The station's blue exterior elements and the winged atrium roof were designed to echo the image of seagulls and the sea, while the curved structure reflects the shape of the site. The interior provides robustness, thermal mass, good natural lighting and sheltered space including an enclosed courtyard.

The new station was the first to be commissioned by the New Zealand Police under their new design and procurements options.

The Minister of Police, George Hawkins, opened the station last year.





The distinctive winged front facade and main entry.

Below: The curved corrugated wall designed to fit the shape of the site.

Right: The reception and interior of the administration area of the new Station.



Opus Architecture set out to achieve a modern, informal and functional Police facility which would meet the needs of the rapidly growing population on the Kapiti Coast. No small task when you consider the diverse range of activities the station has to perform.

The intent was to move away from the traditional, somewhat institutionalised perception of "Police Stations" to one of community service and to project the wider role of the Police as friendly caretakers of this seaside community.

The new Kapiti Police Station was built alongside the "old station" and when completed operations were transferred and the "old station" demolished to make way for a car park facility.

The 800 sq metre station houses 45 staff, together with cells, interview rooms, watch house, communications centre, operations room and associated facilities.

The station fronts onto two busy roads so the semi-circular building was developed around an enclosed courtyard providing private sheltered space and protection



from traffic noise. The distinctive double storey winged "lantern-like" entrance way clearly identifies the station from all directions.

The winged roof echoes the images of seagulls and waves characteristic of the coast. The blue exterior elements identify it as a "Police Station" and provides another link with the sea.

Interior finishes are robust and practical while bright colours compliment natural concrete block

work and plywood. The result is a refreshingly modern, light and efficiently friendly working environment.

Sustainable ideas are incorporated in the design with concrete block walls for thermal mass, good natural lighting and low energy light fittings."

Long run Dimond ColorCote ZR8 Corrugate roofing was used on the majority of the building, with 'Sonoguard' waterproofing

membrane roofing over the toilet area, curved front portion and Lantern Roof. Horizontal Zinalume® Corrugate was used for the front curved wall facing the curved corner of the site and surrounding the courtyard and entrance into the car park.

The recently completed Kapiti Police Station won a 2004 Property Council of New Zealand Merit Award.

Opus also provided the structural engineering and building services for the project.



*John Rowe
Principal Architect*



*Steve Meredith
Architectural Designer*



*Greg Burr
Architectural Technician*



*Ed Sainsbury
Structural Engineer*

Opus Architecture Profile

Opus Architecture is one of the largest building design practices in New Zealand. As a division of Opus International Consultants, a professional services consultancy with offices throughout New Zealand and in Australia, Canada, Malaysia and the United Kingdom, Opus Architecture has developed a reputation in the institutional, commercial, retail and leisure sectors, with projects ranging from new state-of-the-art buildings, through refurbishment and plant expansion.

Building design and interior design forms a major part of Opus' capability, with our architects and designers bringing creative, visionary and total solutions to our client's projects. Many completed projects have been recognised by

our peers and won industry awards for innovation and flair.

Opus has an established network of links with designers in the United States, Australia and in the United Kingdom – bringing an international dimension to some major projects and providing a cross fertilisation of ideas and a competitive edge.

*Client: New Zealand Police
Architect: Opus Architecture
Auckland: 09 355 9500
Christchurch: 03 363 5400
Dunedin: 03 474 8899
Hamilton: 07 838 9344
Napier: 06 833 5100
Palmerston North: 06 350 2500
Wellington: 04 471 7000*

*Main contractor:
Arrow International Ltd
Telephone: 04 384 5400
Roofing & Cladding manufacturer:
Dimond
Telephone: 0800 Dimond (346663)
Roofing contractor: Protech Roofing
Telephone: 06 362 6040
Structural Steel: Whakatiki Engineering
Telephone: 04 528 8982*



*Russell Residence - Christchurch
Designer: Ray Hawthorne, Hawthorne-Duff
Builder: Daryl Hewitt, D J Hewitt Builders*



*Evans Residence - Whitianga
Designer: Cameron Baker, Ansby Bake Architecture
Builder: Rod Percival, Rod Percival Builders*



*Scoresby Manor - Whitby
Designer: Pat Shaw
Builder: Paul Vieveen, Vimarie Holding Ltd*



*Whiterod Residence - Levin
Designer: Jason Middleton
Builder: Gary Burns*



*Vlaar Residence - Upper Hutt
Designer: Dean Bussell Architects
Builder: Richard Vlaar Residential*

GERARD DESIGN AWARDS

Your vote counts in
selecting this years
Supreme Award Winner

Entries for this year's Gerard
Roofs design awards is testimony
to the importance placed on
defining the style of home with the
right roof. The high standard of
entries is testament to the
attention architects, designers and
home owners are placing on
achieving their objectives of
functional design with robust good
looks.

Designs have been entered for a
wide range of buildings including
hotels, motels, funeral homes,
large estate houses through to
modest homes and implement
sheds.

In almost all cases the design brief
states that a particular Gerard roof
was selected for its exceptional
performance, its weatherproof
warranty and the look that it
achieves when matched with
complimentary building products.
Another over-riding feature that
designers and builders have
sought is the lightweight nature of
the product while enhancing the
appearance of the building.

15 finalists have been selected
from the entries and are available
for viewing at: www.trensideas.com
where you can vote to select the
"Supreme Award Winner."

*Above is a random selection
showing the diverse range of home
styles entered in this years Gerard
Design Awards.*



SAN LA MERE: GULF HARBOUR

Simon Turnbull of Acsonim
Group says the
architecture of the San La
Mere development was
influenced by the style of
early colonial settlements
in the Caribbean.

Generally Whangaparaoa Peninsula
reflects this style with homes which
feature deep eaves, shuttered
porches, verandas and hipped
roofs.

"Traditional exterior materials were
chosen to be in keeping with the
colonial look," he says. "These
include concrete-block walls on the
lower levels, with weather boards to
upper floors."

Turnbull says Gerard Oberon
roofing shingles were chosen for
their traditional profile, light weight,
strength and suitability for the
coastal environment.

The Gerard roofing product range
offered a variety of trim options,
colour co-ordinates and a 50-year

pro rata weatherproof guarantee,
which covered coastal
environments. These collective
benefits were important given the
location and style we set out to
achieve.

*Client: Simon Turnbull of Acsonim
Group*

*Architect: Peddle Thorp Architects in
Auckland.*

Telephone: 09 379 9405

*Roofing Manufacturer: Gerard Roofs
Telephone: 0800 244 766
Website: www.gerardroofs.co.nz
Profile: Bark Oberon Shingles*



MAKING A DIFFERENCE

Replacing the roof is often a priority in a home renovation project. Considering the impact roofing has on the overall look of a home - and its value - this is probably not surprising.

The owners of this Bay of Plenty house wanted to update their home and introduce more sun to the interior.

Replacing the roof was the first priority. "We disliked the colour of the old clay tiles and we had always been wary of the minor damage caused by the Edgecumbe earthquake", they say. "After spending months looking at roofing in the new subdivisions in Mount Maunganui and Tauranga, we agreed that Gerard CoronaShake was the most suitable for the style of home we were developing. We also appreciated the insulation benefits of the roofing and it's low-maintenance."

The tiled roof now contrasts with the brick home's newly plastered exterior and new aluminium joinery.

"We are delighted with the final result," say the owners. "The house has proved to be very warm in winter and cool in summer."

Gerard CoronaShake has a flat, clean-lined profile, with a patterned grain. The roofing is available in a range of standard and bold colours, with either a satin or a textured finish. As with other Gerard Roofs products, CoronaShake comes with various trim options, and colour coordinates with most standard building products such as fascias, garage doors, window frames and guttering.



"With the escalation of property values more home owners seem to be electing to get off the treadmill of sale and purchase and invest in improving the property they have. With innovation and attention to detail it is remarkable what some home owners can achieve," says Gary McNamara, Marketing Manager, Gerard Roofs.



FINDING A SOLUTION

Auckland Architects van Veenendaal Rosnell Langley Architecture (VRLA) used an interplay of a masonry base form and a patinated copper upper roof shell form to create an NZIA Local Award winning house on a heavily treed central Auckland site.

Architect Leo van Veenendaal approached Calder Stewart roofing for their expertise in the use of the Lockseam wall cladding system after being impressed with their skilful installation of a Rollcap standing seam roof on a previous project in the South Island.

"We envisioned the upper roof and walls being patinated, giving a sense of lightness as a contrast to the heavy green tones of the stand of native trees. We were uncertain of the possibility of achieving the effect and discussed our options with Calder Stewart. Finding a system that someone could guarantee was proving difficult and it looked like patination idea was out the window," said the architect.

However the owner, who had a background understanding of metallurgy, was determined not to lose the essence of the patinated concept and pursued the matter until he found an answer. After research on the internet the owner found an appropriate formula which could be safely applied with out affecting surrounding building products. A solution was spray applied after installation of the cladding giving the desired look and is performing well to date.

*Architects : van Veenendaal Rosnell Langley Architecture Ltd.
Telephone: 09 307 0497*

*Installation:
Calder Stewart Roofing Ltd.
Telephone: 0800 115 232
www.roofer.co.nz*

Profile: Europanel Lock Seam panels



REFLECTING OUR HERITAGE

Metallic cladding systems have grown in popularity in recent years, and the material has shown that its suitability to both traditional and modern designs is unmatched. One architectural practice that has embraced this versatile product is Maurice Orr Architecture in Arrowtown.



Gorge Road Development, Queenstown features Beech ZR8 Corrugate roofing and wall cladding.

The use of Corrugate allows buildings to reflect the heritage of the area, where many residential buildings now proudly display the use of Corrugate and stacked stone. Maurice Orr Architecture have applied Corrugate to both residential and commercial buildings, and done so in new and interesting ways as seen in the photos on this page. The practice has done a large variety of commercial projects using corrugate made from many different materials including Zinalume, Galvanized, Pre-painted Steel, VM Zinc and Copper. Many of the building designs have incorporated their own flashing details, to highlight features of the building. Practice owner Robert Holland says, "We use Corrugate because it is THE traditional material that continues to perform well."

Holland says, "Our practice carries out a number of commercial projects where we like to use the mix of natural materials and finishes with modern materials to provide distinctive buildings which feel comfortable and look great. Natural materials like stone, timber, and copper age gracefully while galvanized steel, pre-finished metal panels and profiled sheets add a point of modernity and sharpness to the buildings. That mix of materials provides an edginess to the design."



Robert Holland (left) & Preston Stevens.

Maurice Orr Architecture has since changed its name to 2 Architecture Studio Ltd.

Not content to use only traditional materials like Corrugate, Maurice Orr Architecture have also used Metallic panel systems in Pre-painted Steel, Zinc and Copper to adorn the vertical faces and soffits of their buildings. Calder Stewart Roofing in Queenstown has been chosen for many of these projects. Holland says, "We like to see Calder Stewart on these jobs as they have the experience to help with design and they have a capable workforce that does a great job."

*Architects: 2 Architecture Studio Ltd
Principals: Robert Holland and Preston Stevens
72 Buckingham St, Arrowtown
Phone: 03 442 1207
Fax: 03 442 1255
Email: robert@2arc.co.nz
Roofing and Cladding:
Calder Stewart Roofing
Phone: 0800 115 232*

Photography: Lifestyle Photography

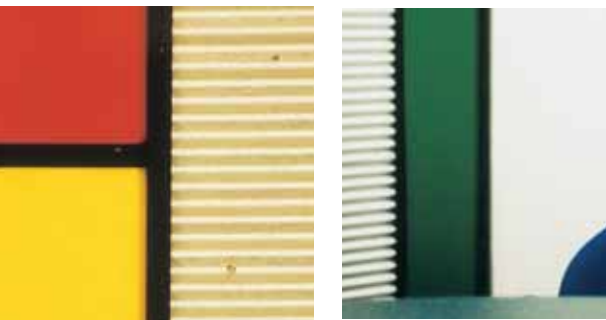


Monty's Church Lane Development, Queenstown features anthra Zinc and copper Corrugate wall panels with a pre-painted steel Eurotray roof. (above)

The Edge Building, Camp and Memorial Streets, Queenstown Imperial Green ZR8 Corrugate steel roofing and cladding.



Hamilton Building, Shotover Street, Queenstown features copper and black ZR8 Corrugate roofing and wall cladding panels.



DESIGN PLUS

Architect Davor Mikulcic



R.E Lendrum associates, based in Upper Hutt, offer clients a broad spectrum of expertise

comprised of Architectural, Surveying, Engineering and Planning services. The collaborative input of each discipline, they believe, enhances the opportunities to explore functions, form, space and combinations of many materials.

The Architectural design studio has a team of 5 who bring international and local experience together in the pursuit of innovative design solutions. The practices goal is not to specialise in niche markets but to work on a diverse range of projects accepting each as a new and exciting challenge. Their primary interests are in mid-scale projects which encompass schools, churches, rest homes, private residences, commercial, industrial and many more. The diverse expertise offered optimises communication between design and development.

These four examples illustrate the diverse nature of their design skills.

R.E Lendrum & Associates offices

The offices reflect their intention to be seen as innovative thinkers who move outside of the square. The intention was to combine new

materials with old to create a contemporary look and feel. Baby Corrugate Zincolume®, stained custom wood and griptread each provided a cost effective, practical and aesthetic design solution.

In the Category of Interior Design the Jury from the New Zealand Institute of Architects for Award in Architecture achievements summaries the project well:

This fit out was designed to create a strong "first impression". It uses bold, gutsy forms and strong textured materials to good effect. The careful planning of the entrance thoroughfare at once reveals the different staff work spaces and affords them some separation from each other. The fit out is expressive, creates an illusion of space and evokes curiosity through the complexity of its forms.



Cable Residence

The concept of this split level structure was to create a home which moved away from "standard" materials. The effective use of vertical colorsteel, horizontal timber and plywood cladding adds variety in texture, colour and design. The home is located on a narrow sloping site and the design takes full

advantage of the view and sun whilst providing a private outdoor living area.



Ramakers Residence

An example of a more "classical" architectural composition. The owners had several specific requirements for the materials used on this home. Martin, a joiner by trade, is described as "a person who cares about detail". Architect, Davor Mikulcic acknowledges the skills and input his client had in crafting this home from the first sketches and computer models, to the completed project.

The exterior brick cladding dominates the building style and is complimented by the Gerard CoronaShake textured metal colortiles – Pepperstone, with Klass Fascia External Rainwater System. There is a verandah around most of the building which enhances the open plan living areas on the lower ground level. The home is situated on a magnificent site with panoramic views across the countryside. The final touches on the project landscaping have recently been finished by owners Martin and Mia.



New Gillies Residence

The building has been conceived as a free standing sculpture and is a good illustration of metal being used as the dominant building material in roofing and wall cladding. To create this sculptural appearance through the building composition was the goal from the first sketches and model.

The metal roofing and cladding, with excellent attention to detail by Calder Stewart craftsmen, quickly distinguishes the New residence from the "standard" neighbourhood.

Design statement:

There is distinct New Zealand flavour to this house which echoes it's natural surrounding in a harmonious way. The house, situated on an elevated section, is north facing and has spectacular views. Typical, indoor/outdoor living required opening each north facing room onto a large, expansive deck.

The roof design, a key feature of the sculptural form, ties the feel of the house together creating the impression of a larger space.

At the heart of the house is a warm and intimate kitchen where the strong, simple design is apparent. Elements used throughout the house allow a continuation of the same theme but introduce different characters throughout each space. The colours are of a similar tonal range throughout with visual surprises of colour in each room adding interest to the repeating textures of the plywood, glass, black joinery and cedar. The use of plywood is echoed on the external eaves surfaces and colours are reinforced in the decking materials used.



The simplicity of this construction and its size allowed budget for additional benefits such as underfloor heating, floor tiles, kitchen appliances, cedar etc. This was a very successful project with an axiom of simplicity!

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A PASSION FOR DESIGN AND COLOUR

Saunders Architects Limited is a small vibrant architectural practice located in Taranaki. Their diverse range of projects illustrates well that good design and practice principles can be applied to architecture at both ends of the cost spectrum. Saunders work is sought after throughout New Zealand with many delighted clients. Why? We go the extra mile", says Neville Saunders. "It is a comment we hear, and like to hear often".



Neville Saunders ANZIA (the principal) believes that a good architectural practice should have the emphasis on confidential and personal service whilst upholding the principles of honesty, integrity and respect. Visual appearance, cost efficiency, functionality and good resale value are all vitals when it comes to designing for a client. The skills, knowledge and experience of the architect enables us to "do well what we do well!" and also enables us to give a project that little bit of extra pizzazz!

We listen to our client's wants, dreams and ideas and endeavour to expand the realm of imaginative possibilities to develop individual design solutions to fulfil those dreams. As specialists in design Saunders have a passion for colour, reflected in both buildings shown, which gives every project a unique presence.

The practice aims to place the client's needs above all else ensuring a continuity of work by means of referrals from delighted clients.

"There is no magic for a successful building project", says Neville Saunders. "It takes time and hard work to reach a position where a building is completed and the cost has been kept within the budget laid down."

KINDERCARE HEAD OFFICE & CHILDCARE CENTRE

BROWNS BAY, AUCKLAND

Combining a Childcare Centre with a Office complex proved to be a happy mix for this project by Saunders Architects Limited.

Using design solutions obtained from previous centres at Dannemora, Manurewa, Orewa and Albany the centre makes good use of steel, Alucobond cladding, Linea weatherboards, tinted green glass and colour to achieve a corporate look for Kindercare. It is an efficient use of space with



offices on the first floor and the childcare facility at ground level.

The suspended steel and glass canopies using special tinted glazing are not just eye catching but they provide shelter and shading to the children's play areas on the northern & western sides of the building.

The large drive-through front entrance canopy has become a Kindercare signature and provides much needed shelter for all visitors and provides a focus for the building complex.

Soaring roofs and glass at each end of the building give a sense of height and grandeur to the otherwise simple rectangular building "footprint".

"We love working here, and having the childcare facility below us is a daily reminder of our core business of caring for children... we think the combination has worked extremely well for us," says the Kindercare Director Allan Wendelborn.

*Saunders Architects Limited
Neville Saunders
New Plymouth
Telephone: 06 759 7430
nevis@clear.net.nz
www.saundersarchitects.co.nz*

*Garvin House:
Landscaping: Neville Saunders
Builder: Roger Hendry
Roofer: Dean Maxwell Roofing
Aluminium Joinery: Rylock
Steel: Fletcher Steel*



GARVIN HOUSE

Nestled into a sunny north facing site overlooking a park within the heart of residential suburbia this house creates a colourful relief from the typical fare of its surrounding neighbours. The owners expressed that they liked natural materials such as glass, steel and concrete but wanted plenty of colour both inside and outside the house. Bold primary colours are used to each element of the exterior and complimented with a plain horizontally laid Zinalume corrugate for texture and sparkle.

Budget constraints of under \$200,000.00 total cost determined the overall square metre area but not the striking appearance of the living environment. The house is based on a simple rectangular floor plan with the glazed atrium centrally placed providing light and volume to the lounge and dining areas and the rounded "silo" like ends encapsulating the bedrooms placed at each end of the house. The choice of Hot Blocs to these give solidity in form and texture.

The interior colours of "Zest", Pharo's Blue and a multicoloured linoleum encourage the sense of continuity between exterior and interior with informality being the keynote aspect that the owners wanted.



NO HOLES MEANS NO LEAKS

When your core business involves fresh fruit and vegetables it is absolutely essential that they are stored in a safe, dry environment. A solitary leak could destroy thousands of dollars worth of produce within a short space of time. It was with this in mind that architects, Cunningham & Partners, looked for a roofing profile that could "more than" guarantee water-tightness for the new 8000m2 Turners and Growers facility in Christchurch for decades to come.

For a building of this size (130 meters wide) metal long run roofing was the only viable roofing option so the key was to find the right one. It needed to be one that would satisfy the client's needs and meet the requirements of the construction channel for constructability. The architects, Cunningham & Partners, research lead them to Dimond's recently

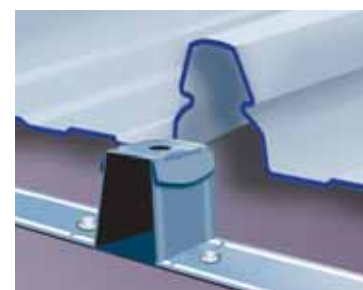
launched roofing profile Dimondek 630 as it provided the client desired solution and allowed the building to be designed with cleaner lines enhancing aesthetics and performance.

Robert Cunningham of Cunningham & Partners comments "With this system Dimond have really addressed the issue of not



only what a roof does (keeps out the elements) but also how the roof should be constructed for long-term durability and ease of installation. Every time a screw is fixed through a roof it creates the potential for a leak. In our experience typical longrun roofs have a few screws which are loose or have missed the purlin below - these are all leaks waiting to happen. Dimondek 630 eliminates this problem. If the clip screw is not fixed properly it is never exposed to the weather No hole, no leak - pretty clever!"

The secret to providing the solution is a concealed fixed clip system.... combine this with a sheet length



"We are impressed by this roof because it is a complete system - it has a number of components, each of which has been designed to do a job, and the entire roofing package is available from a single source."

Architect:
Cunningham & Partners Ltd,
Roofing Manufacturer: Dimond
0800 Dimond (346663)
Roofing Profile: Dimondek 630
www.dimond.co.nz
Roofing Installer:
Mill & Newfield Roofing Ltd.
Telephone: 03 351 9147

that is limited only by the imagination, and you have the perfect solution. This eliminated the need for unsightly steps in the roof design and screw holes therefore removing the risk of leaks and potential corrosion points. The absence of "swarf" from drilled holes avoids yet another corrosion issue. This system enabled us to design a single roof length of 65.5 metres. A New Zealand record! (Dimondek 630 can be manufactured on site up to lengths of 100 metres).

The sheets were run using the Dimond on-site manufacturing unit and then craned up onto the roof using a purpose built boom. As Robert Cunningham comments, "Steps are always a poor detail and opportunity for leaks. The Dimondek 630 roof simply doesn't require steps and yet the design allows it to flex as it heats and cools."

*65 metre long sheets
manufactured on site.*



SCOPE NEWS AND VIEWS



Fyfe Homes choose Gerard for their new show home

Street appeal is a vital consideration for most people building a new home. In recognition of the need for an executive-style house with a substantial presence, Fyfe Homes chose a brick construction and Gerard Roofs Senator Shingle roofing for the Howick show home featured here.

Marc Denness, Fyfe Homes manager, says the bricks were painted white to enhance the solid construction. Gerard Roofs Senator Shingles in Charcoal reinforce the substantial look of the house and enhance the solid, durable presence this house projects.

"We didn't want the roofing to look too busy," says Denness. "The Senator Shingles have a flat look that works well with brick."

"Weather patterns are changing," he says. "We are finding winters are wetter and more windy. Gerard lightweight roofing is very tolerant of these conditions. The horizontal fixing through the leading edge of the tile makes it very secure and watertight."

Dimond's Roofing and Cladding System Manual goes live!



Two and half years ago Dimond introduced a comprehensive technical manual written to suit the need of architects specifying its metal roofing and cladding products. "The Manual" has been well received by designers as it can assist right from the conception stage through to the final specification. "The Manual" in paper format is in high demand but given its physical nature it often isn't readily available for all designers all of the time. To meet this demand it was suggested that Dimond put "The Manual" on line in the same format as that of the paper version. This has now been completed and is available to all designers who register on line at: www.dimond.co.nz allowing ready access to the full information contained within the paper version when it's not to hand. One great thing about web based information is that you can be guaranteed it is the most current information available at any given point in time.

Registration on the site is as simple as submitting a user name / password and some quick contact details. The search engine used is very efficient and pulls up all relevant subject matter.

For further information on Metal Roofing or Cladding or details of any of the articles which appear in this publication please contact any of the members listed below.

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*Gerard Roofs
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SCOPE