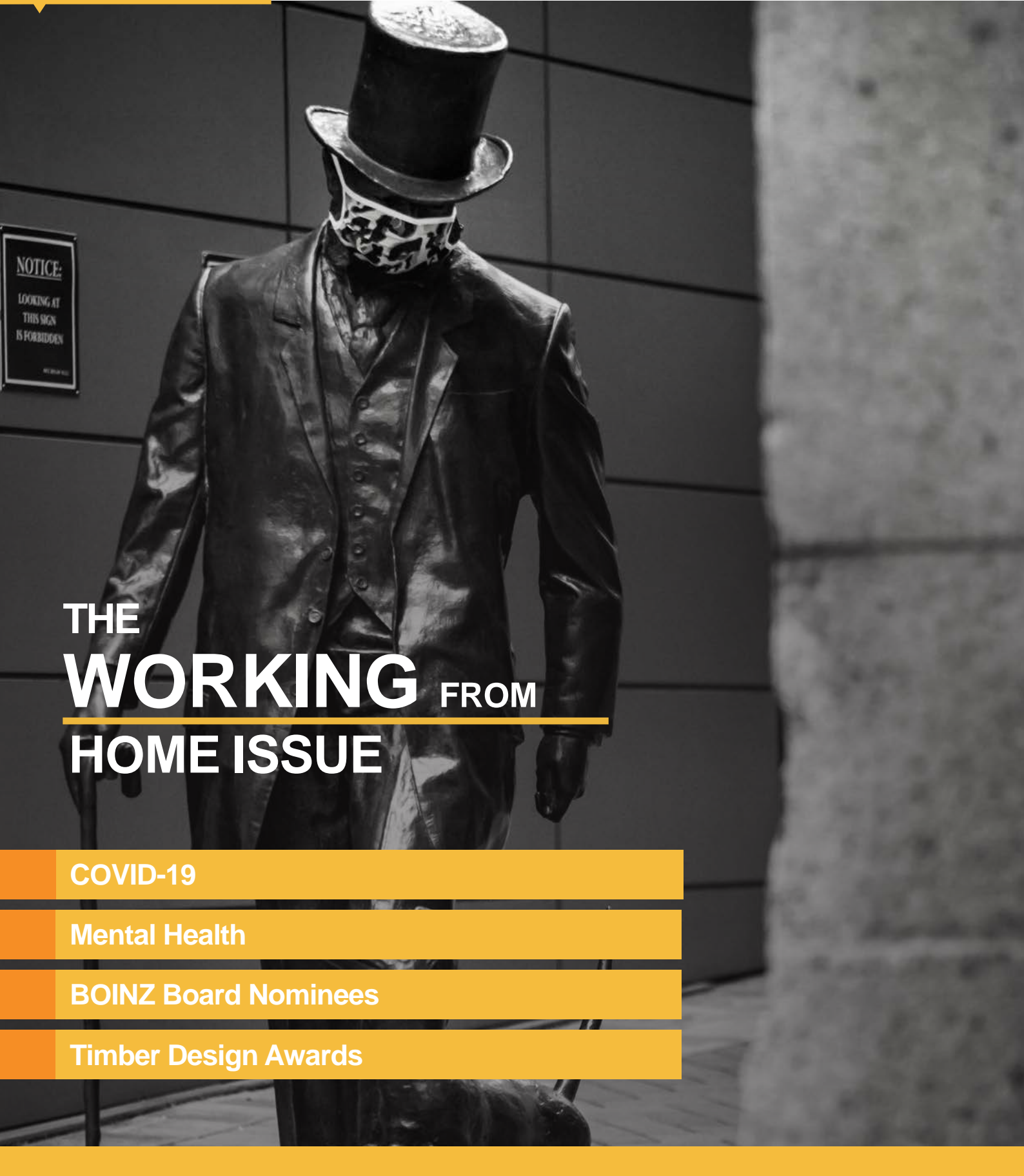


# STRAIGHT UP

THE MAGAZINE OF THE  
BUILDING OFFICIALS INSTITUTE  
OF NEW ZEALAND

Autumn 2020



## THE WORKING FROM HOME ISSUE

COVID-19

Mental Health

BOINZ Board Nominees

Timber Design Awards

# CAREER GROWTH. ONLINE.

[www.boinz.org.nz](http://www.boinz.org.nz)



**The BOINZ Online Training Academy is live and features accessible courses making your career development easy during these uncertain times.**

**Courses available:**

- Restricting Access to Residential Pools
- Complying with the Building Code

The Training Academy is hard at work developing alternative methods of face-to-face training during these uncertain times. Among the development of our eLearning packages, we are focusing development around interactive online webinars that will cover topics such as an Introduction to Building Warrant of Fitness, an Introduction to Building Controls, Report Writing, H1 Energy Efficiency, Fire Documents, NZS3604 and our Solid Fuel Heating (in partnership with the New Zealand Home Heating Association).

**If you have any topics you would like to have covered in one of our online courses or interactive webinars, or have any questions at all please email Jason at [training@boinz.org.nz](mailto:training@boinz.org.nz)**



## our contributors

### Board

#### President:

Kerry Walsh

#### Vice President

Peter Laurenson

#### Board Members

Wayne Goodfellow

Cory Lang

Craig White

### Administration:

#### Chief Executive

Nick Hill

#### Finance Manager

Deloitte Private

#### Marketing and Events Manager

Darlya Redfern

#### Education Advisor

Jason Goei

#### National Accreditation Division

Nicola Hakes

#### Membership Relations Coordinator

Henry Cassin

#### HR Division Manager

Michelle Te Ohaere

### Advertising/Editorial Contractors

Advertising/Editorial

Please contact the Building Officials

Institute's National Office via

[office@boinz.org.nz](mailto:office@boinz.org.nz)

### Design & Print

no9.co.nz

ISSN 1175-9739 (print)

ISSN 2230-2654 (online)

### Building Officials Institute of New Zealand

PO Box 11424

Manners Street, Wellington

Level 12, Grand Annexe

84 Boulcott St, Wellington

Phone (04) 473 6002

Fax (04) 473 6004

Email [office@boinz.org.nz](mailto:office@boinz.org.nz)

### Front Cover:

John Plimmer and Fritz - Plimmer Steps

Image by Darlya Redfern

## IN THIS ISSUE

|  |    |
|--|----|
| Presidents Message   | 04 |
| Chief Executive Message                                      | 06 |
| COVID-19   | 07 |
| Spotlight on a Member - Kevin Duthie                         | 10 |
| BOINZ Board Nominees   | 12 |
| Acrs Certification   | 28 |
| Mental Health  | 32 |
| Penetrations: the Good, the Bad and the Ugly                 | 34 |
| Structural Steel Industry Launches Latest Quality Initiative | 36 |
| Why is Timber Frame of a Building so Important?              | 38 |
| Builders Beware  | 40 |
| Timber Design Guides   | 42 |
| 45 Years of Timber Design                                    | 44 |
| Timber Design Awards   | 46 |
| Legal - Q & A  | 55 |

### Your Board:



**Kerry Walsh**  
President



**Peter Laurenson**  
Vice President



**Wayne Goodfellow**



**Cory Lang**



**Craig White**



**Nick Hill**  
Chief Executive

The information contained within this publication is of a general nature only. Building Officials Institute of New Zealand does not accept any responsibility or liability for any direct, indirect, incidental, consequential, special, exemplary or punitive damage or for any loss of profit, income or any intangible losses, or any claims, costs expenses, or damage, whether in contract, tort (including negligence), equity or otherwise arising directly or indirectly from, or connected with, your use of this publication or your reliance on information contained within this publication. The Building Officials Institute of New Zealand reserves the right to reject or accept any article or advertisement submitted for publication.





Kerry Walsh - BOINZ President

## Farewell and Best Wishes for the Future.

I am writing this from home! Like most of you at the moment trying to adapt to remote working and doing business from distance. Zoom has become my best friend and my emails have doubled overnight right! Some of the minor struggles of life under a lock down. But there are positives, the fuel bill is almost non-existent, and I can have the office set at whatever temperature I wish! For me the positive of spending more time with family is also a real plus. Personally I am working out of my garage as my wife claimed the office!

Working remotely as a Building Official does present some difficulties - mainly around inspections. However processing pretty much continues as per normal as almost all of us now work in a paperless environment. Carrying out inspections remotely is a new world that has been forced on us. It has its difficulties mainly around the reliability of the client to present the evidence to the inspector but building officials are experts at working with customers so I have no doubt that this will improve over the next month.

Workloads throughout the country were still at high levels prior to the lockdown and most Building Officials had at least a month's worth of work along with some other projects to start or complete that 'should have been done years ago'. That said, as with most of you, I want the lockdown to end as soon as possible and look forward to the time when it's safe to operate in the 'normal way' and the economy and construction sector can get back on track. The BOINZ National Office has also hunkered down at home thought-out the Wellington region. The team are working on business as usual plus looking into any changes that we need to prepare for in the uncertain time ahead.

Prior to the lockdown the Building Official sector was "on a roll" with BCA

performance improving across the country and an increasing number of Building Officials being trained on the job and in the classroom. Our new New Zealand National Diploma in Building Surveying is gaining momentum each year and this year we have over 130 students enrolled nationally from the top of the north to the bottom of the south.

Future Skills are doing a great job of continuing the work that BOINZ started off in initiating the diploma. The Institute's goal was that Building Officials had a qualification specific to our business and this has now been achieved after many years of hard work and investment. This high-level goal though has been hard financially for the Institute and in recent years the Institute has had a refocus to CPD training with more online content. This training content and channel delivery will be important for Building Officials. As you have probably worked out the Building Official of today is very different to the one of the past. From my own personal experience team members who have been through the diploma have come out the other end a more professional and knowledgeable Building Official. But of course just because you have the diploma doesn't mean that you don't need any more training or that you are competent to carry out your job. This is where again BOINZ slots in with competency-based training programme soon to be launched to compliment the quick CPD online based update training rolling out now.

BOINZ is committed to satisfy member demand for more online based training with planned developments in this area to allow a learning continuity. If you haven't been online with our courses, I encourage you to do so directly, as there is no better time than now to use any time capacity you have. Similarly, "like" the BOINZ Facebook page (well over 400 of us follow this so far) as this and the website are quick and simple ways to keep up to date with our sector and industry news.

Unfortunately, along with all large gatherings, the COVID 19 lockdown has seen our National Conference postponed, possibly to until later in the year. Our AGM is also a casualty and we are working to see how we can manage to achieve new dates and venues. Obviously, we are in rapidly changing times and dependant on government direction.

You will be aware the Institute is about to go through a Board Election process for the 2020-2022 term. I expect the calibre of the nominated candidates will be high and you will vote based on the required skills and best suited candidates needed for our board. Recent voting turn-out has been lower than usual, so I encourage you

to all vote in this up and coming election, ensuring our new board has the support and endorsement of a clear majority of members.

Personally, my time on the board and as President comes to an end in a few weeks as I elected to step down from the Board. I joined BOINZ as a 20-year-old and the Institute has been my passion for over 25 years since. I plan to stay actively involved over the next 25 years but it's time for a fresh prospective at board level, so this is my last writing for the BOINZ Straight Up magazine as your President. I wish the incoming Board all the best for a successful term.

I started out as a member learning the ropes, became a Branch chairperson, served as a board member for nine years and stepped up to the President for the past two terms. For someone who started out as a Building Official Cadet at 18 years of age, it just shows you can achieve anything you have passion for. So, I encourage members to get actively involved with BOINZ as I have. Engagement is part of membership, and the rewards are not only a self-benefit but a benefit to your peers. It has been my most rewarding experience. Giving time back to your industry is important for us all and for any industry to adapt, change and deliver.

As I vacate the Presidents role, I wish to thank you all for your support not only of me personally, but of the board, our staff and the Institute in general. The continuing support of members towards BOINZ is paramount and critical to the running of our Institute. It is our Institute, and what you contribute makes it what it is. Success in the world of Institute's and Associations is all about member input. There is a maxim "the more you put in the more you get out", so I encourage you to **own your membership**. When the call comes for assistance to develop member products and benefits or assist with legislative responses, please give support where you believe you can add value. The board and staff at National Office value member contributions.

Over the years I have met and worked with many people and enjoyed the interaction. I would especially like to thank our CEO Nick Hill and our staff at National Office. Nick is tireless in respect of his dedication to the Institute with a true passion for us as members and a will to deliver the very best for all of us. I have enjoyed working alongside Nick who has always been the solid rock.

Finally, and most importantly, I wish you our members the very best as we navigate through these uncertain times. Make sure you focus on positives, as in my view the glass is always half full - as it should be!!



# 2020 ANNUAL GENERAL MEETING POSTPONED

A new date will be announced in due course when there is clarity on movement and gatherings from the government.

Due to the current Covid-19 pandemic lockdown existing across New Zealand, which has necessitated restriction of individual movements and large gatherings, the Building Officials Institute of New Zealand's 2020 Annual General Meeting scheduled for 18th May at the Grand Millennium Hotel in Auckland has been postponed.

## Our Premier Partners

|  |  |  |  |  |
|--|--|--|--|--|
| <br><b>PLATINUM PARTNER</b> | <br><b>GOLD PARTNER</b>   | <br><b>GOLD PARTNER</b>  | <br><b>SILVER PARTNER</b> | <br><b>SILVER PARTNER</b> |
| <br><b>BRONZE PARTNER</b>   | <br><b>BRONZE PARTNER</b> | <br><b>BRONZE PARTNER</b> | <br><b>BRONZE PARTNER</b>  | <br><b>BRONZE PARTNER</b> |



Nick Hill - BOINZ Chief Executive

## MESSAGE FROM OUR CHIEF EXECUTIVE

We at BOINZ are wishing you the best during these hard times.

In these unprecedented and unpredictable times, we appreciate issues will continue to move quickly. As a nation we have taken action to minimise the impact of COVID-19. Like you the last week was all about the logistics of physically locking down, establishing processes around how we would care for members and importantly caring for our own staff.

At National Office we are now all working from home, and through daily conference calls looking at and working on how we can engage proactively in maintaining the provisions of our services, ensuring that as members you evolve from this situation wiser and more accepting that things we have known will change. I am in contact with a number of my peers and organisations, which also provides an industry perspective.

The sector we support, design and construction, as we speak is absorbing impacts many would not have envisioned or experienced in their lifetimes. Some will have been through the recessions of the 80's, 90's and the GFC, but this is also an environment with multiple layers of differing complexities, and it has dawned on us very quickly this time.

No matter what role you have provided most recently, it is likely you will have responded to this current environment in different ways. Some of you will still be actively engaged in the consenting process while others will have limited opportunities to practice your normal daily work routines. Some of you may be engaged in essential services, while others may be working on "work that needs to be done" where you haven't had the luxury of time in recent months/years.

The important message from me in times like this is that you keep yourself active and look for opportunities to grow your knowledge. In this way you can assist the nation climb out of this "event". As we speak other parts of our wider industry are doing the same. They know that design and

construction will need to move quickly to rebuild and that's why in the Construction Sector Accord and the Construction Industry Council (CIC) we are already talking about a Rapid Restart following the lifting of the lockdown.

We need to prepare to be in a position where our knowledge and skills can contribute to the restart success of all those companies that have been forced to deal with cashflow issues, retention of staff and/or sub-contractors among the myriad of issues that impact the design and construction administrative and contractual processes. We are all in this together and we need to all be in this as we climb out. Many residential and commercial projects will have levels of complexity as they begin their restart whether it be from the supply chain, remedial works or even the winter period.

As your Institute we can play vital roles, in times like this. We have done it in the past and we can continue to do it now and in the future. These are roles in leadership, both within and to the wider community, the caring and fostering of our members, and importantly enabling our members to help the wider industry chain. Our industry chain has many links and when one link fails the impact can be wide felt.

As individual members that means we all need to commit and assist. It is at times like this that your Institute needs you and we need to you respond to our calls not only to help your fellow members but also the wider industry chain. You have done it before, and we need you again.

When you get a message from us for assistance, please engage. It is your skills and time that we will need to develop products and ideas to help us all. I look forward to your support and engagement in the times ahead. I wish you, your families and whoever else you have in your bubble a safe journey through this lock-down.

Keep well.



## COVID 19

# 9 Ways to Stay Sane While Working at Home.

If you're anything like me, then this may have come as a bit of a shock. A week or two ago, I never would have considered the possibility of working from home full-time and yet, here I am in day three of my isolation from the outside world. Although this has already been a struggle for many including myself, I have learned a few things that I'm here to pass on that will help.

Proudly presented by Henry Cassin and the voices in his head: 9 Ways to Stay Sane While Working at Home.

### 1. Don't Do Work.

Just kidding. But don't do work first. Start your day with something for you. How do you start your day? Continue your routine but replace travel time with something for you. Go for a walk, read the paper, play hide and seek. Whatever it is, do something for you before you start your work so you're in the best frame of mind.

### 2. Dress for Success.

A normal day at BOINZ National Office sees all staff in professional attire. This keeps us grounded in what we are trying to do. Even though I'm not in the office, the work I am doing has not changed so why should my clothes? The dinosaur onesie needs to stay in the wardrobe and the shirt stays on.

### 3.) Structure Your Day.

It can be easy to fall out of routine. Perhaps you take one or two extra breaks than you should. If you're like me, the call of video games may be a little stronger than you would like. It is important to structure your day in the same way you would structure your regular working day. Take your regular breaks at the same time as you would on a normal day and allocate yourself the same lunch break. This structure allows you to remain work focused instead of home focused.

### 4. Turn off your notifications.

We all get them. Constantly. Sometimes

you love them, sometimes you hate them. Bing! That's Facebook. Bing! That's an email. Bing! That's Tinder.

The notifications will never stop unless you stop them, and there is nothing better to kill a work-flow than stopping to check each message.

Set yourself specific times of the day when you're going to check your messages and emails all at once. This way, you are in control of what work you are doing.

### 5. Create your space.

To be able to get into the work zone you need to create your own zone. I have a special desk in my home which is dedicated to my work, nothing else goes on this desk. This means that when I sit down to work, there is nothing to distract me, which leads me to my next point.

### 6. Separate.

Everyone in your home should understand that your workspace is for work. My partner knows that when my door is closed, I am working. When you shut the door or when you sit at your desk, they should treat you as if you are not there. In a last-ditch effort, work inside a giant bubble that they can't get inside.

### 7. Exercise.

Stay active. Do push ups, star-jumps, pretend the floor is lava. Just make sure you can get your blood pumping. Get outside for a run or a walk if you can do so safely. It's important that we continue

staying active and moving. Healthy body, healthy mind.

### 8.) Appreciate the good things.

I used to think it was magic that picked my clothes up off the floor and cleaned them, or voodoo that placed food in front of me at dinner time. Turns out it's my partner doing these things, I never knew! Make sure you're aware of all the great things in life, like those who care for you, or really well-built buildings. Stay focused on the positive.

### 9. Social Distance not Emotional Distance.

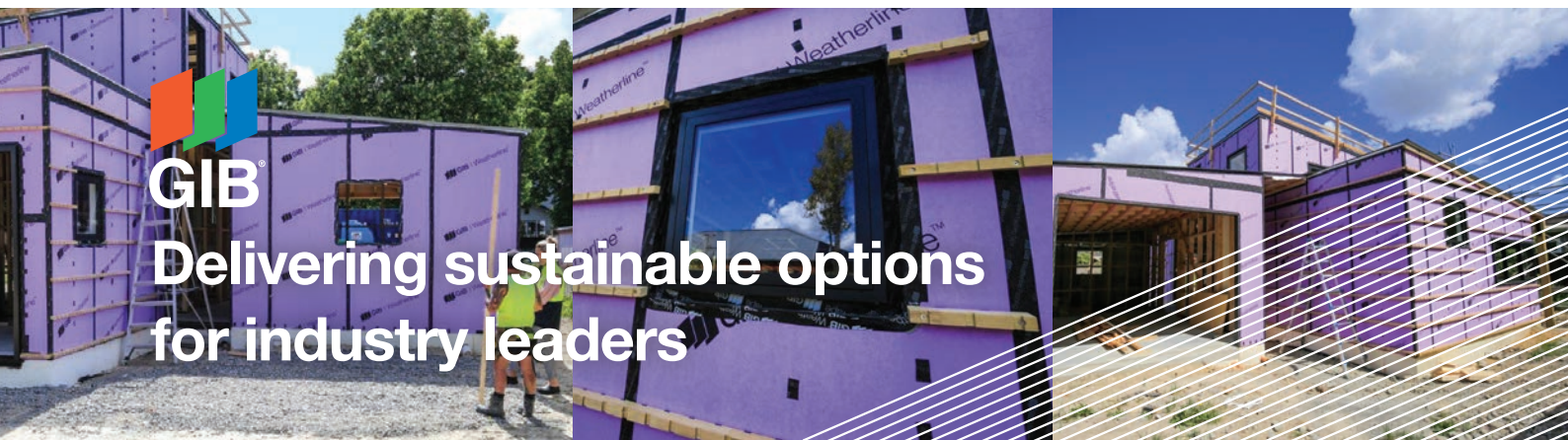
Talk to your friends, your family, your neighbour through the walls. Communicate with people. We are a nation fighting Covid-19 together and you are not alone.

If you need someone to chat with please don't hesitate to call or email me on 027 917 9856 or [membership@boinz.org.nz](mailto:membership@boinz.org.nz)

During the lock-down, all BOINZ staff are available as normal. Please call our usual lines and you will be transferred directly to us.

Stay Calm, Stay Safe, Unite Against COVID-19.





## Delivering sustainable options for industry leaders

At Winstone Wallboards we work closely with architects and designers, developing and supplying products that are constantly evolving and breaking new ground.

Our commitment to sustainability makes us a perfect fit for architectural designers such as Christchurch based Fiona Macpherson, of Fiona Macpherson Architecture, who is passionate about creating healthy, high performance homes using sustainable local materials.

As an architectural designer committed to using non-toxic materials, she liked the fact that it didn't need to be treated and could be recycled. And while non-toxic materials can often be difficult or more costly to install, GIB Weatherline® proved to be affordable and easy to use, even for first time users. She also described the colour as a standout.

But Fiona wasn't the only one who was impressed. Project builders, Steve Pomeroy Builders, loved the fact that only a craft knife was needed to score and snap. Even more importantly GIB Weatherline® contributed to the bracing and the speed of the build, enabling early close-in so that builders could keep working regardless of the weather conditions, helping mitigate delays.

For an architectural designer who designs homes not to meet the building code, but to exceed it, Fiona says products like GIB Weatherline® are invaluable.

Not only has Fiona completed the Living Building Challenge training, but she is also a strong advocate of Declare, considered to be the most advanced sustainability certification in the built environment. Winstone Wallboards is transparent and honest about their environmental position and has Declare certification\* for a range of its plasterboards.

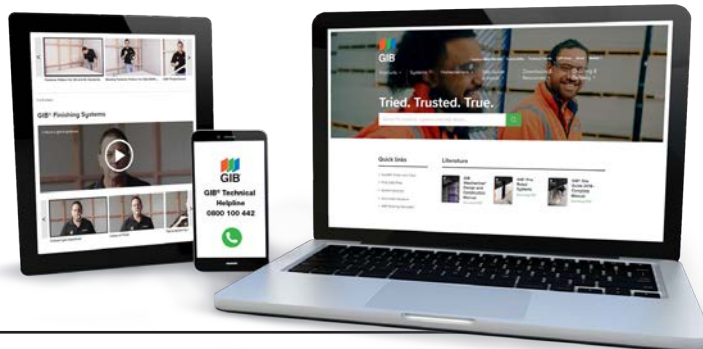
"Using GIB Weatherline® on our project made perfect sense - we have been searching for a non-toxic, easy to install Rigid Air Barrier," she says. "I also love that [Winstone Wallboards] GIB® are local and convey they are working hard on being more sustainably responsible. So am I."

\* Visit [gib.co.nz/certifications/](https://gib.co.nz/certifications/) to view full list of Winstone Wallboards Declare certificates.



### Here To Help

For technical support call the  
GIB® Helpline 0800 100 442  
or visit [gib.co.nz](https://gib.co.nz)





## COVID-19

# RICE SPEIR COVID-19 is Frustrating!

**Covid-19 is making life difficult for many people and the situation is changing on a daily, and sometimes hourly, basis. At the time of writing this article, New Zealand has closed schools and non-essential services with people expected to stay at home unless making essential trips.**

As a business and an employer there are numerous and complex duties owed to employees which must be navigated in these circumstances. Below we consider what rights you have to avoid performing a contract.

### **Force majeure clause.**

The first thing you should look for in a contract is a force majeure clause. *Force Majeure* means a “superior force”. A force majeure clause will normally allow either party to the contract to not perform the contract where there are unforeseeable circumstances that prevent performance. We normally think of natural disasters falling into this category. The way the clause operates can vary, from allowing a party not to perform the contract, to delaying performance. It may not be a “get out of jail free card” though as penalties for non-performance can still be applied,

they are just limited.

A *force majeure* clause must be looked at carefully as it may prescribe certain circumstances that are considered force majeure events, such as strikes, material shortages, and hopefully pandemics.

### **Frustration.**

If there is no force majeure clause or the clause does not account for pandemics then you still have the ability to rely on the doctrine of frustration. This is where an event occurs after formation of a contract that makes performance illegal or impossible, or that renders the obligation to perform something radically or fundamentally different from that contemplated by the parties at the time of the contract.

So when considering whether the frustration doctrine applies you will need to consider:

- What about the contract of the can't be performed due to the event or pandemic– is it all of the contract or only a part;
- Is the performance of the contract illegal when you consider recent Government announcements

on Covid-19? Please consider whether they are mere guidance (won't permit frustration) or actual laws preventing the contract from being performed (may allow frustration); and

- If the performance of the contract is illegal such that it would breach your duties as an employee or as a PCBU or Officer under the Health and Safety at Work Act 2015.

### **Working together.**

Importantly, the Covid-19 crisis should de-escalate. It is important to think of the work that will need to be undertaken after the crisis and the need for projects to catch up to their original deadlines. So even if there is no force majeure clause in your contract, or you don't have enough to rely upon the doctrine of frustration, the sensible course of action is to keep lines of dialogue open with the other party or parties. Look at possible variations to your contract with your legal advisor and consider whether you can find a workable solution to get through this event.

MELISSA RUSSELL, SPECIAL COUNSEL - RICE SPEIR





## SPOTLIGHT ON A MEMBER

Kevin Duthie

**Kevin is a Building Control Manager at South Waikato District Council. We spoke about how he got into the industry and what he loves about it.**

**What was your first full time job?**

School was not a great fit for me so I got a job as a general hand working in a local furniture/joinery manufacturers doing a bit of everything around the shop as required, machining and finishing timber, adzing (no good at this), finishing/coating and the application of upholstery. I quite liked my fingers and had seen a few incidents unfold in a short time, therefore I decided that this was not for me long term and I wanted to try something else, ultimately I wanted to see a bit of our country and the world as a young fella.

**How did you get into the industry?**

By chance, after returning from overseas and following the amalgamations of Council's that went on in the late 1980's an opportunity came up locally. My lead into my current role

as a Building Control Manager started with me working as a Regulatory Services Officer (General Inspector) and for five of those years I was dealing with Planning, LIM's, Dangerous Goods Inspection and assisting the Building Department with their workload on a daily basis. In time like most Building Department's they went through a period of growth, the experience already gained gave me an excellent understanding of the role and responsibilities expected of me so when a position came up for a Building Inspector I already had some significant experience behind me, I was never going to follow a path into Planning and/or Health, it was clear that the regulatory path of building was what made me get going each day and I could see a future in this ever changing field.

I was very fortunate to have others around me that were keen to share their knowledge and passion for this industry. My first manager in the Building department was a founding member of what is now BOINZ and who was recently recognised and attended our 50 year celebrations in Auckland. The subsequent two managers were also instrumental in getting me up

to speed in many facets of the job, always encouraging, supportive and giving me the motivation to keep learning and extending myself, approximately 30 years in local government.

**What are the biggest challenges you face?**

Currently I think it is the retention of the great team I have around me due to the lack of number of quality personnel available and numbers retiring or moving on throughout the country. As a reasonably small team of eight in a growing district we have our fair share of issues, all of the technical staff are multi skilled who process, inspect and certify with the usual mixture of territorial authority duties to attend to as well, we are fortunate from the point that we are all suitably qualified and have a diverse range of ages and aptitudes, keeping all staff up to speed is also critical to performance. I also see having to pick up processes that we do not touch on too often and re-learn them to be frustrating when we should have a suite of tools available at any time that is quick to hand, this is something I would like to grow.



### What are the biggest changes you have seen in the industry throughout your career?

The switch that required us to have a qualification that meets the regulation but also the competency requirement that reflects your skills and abilities , I cannot thank the previous and preceding governance of BOINZ enough to have made this qualification path happen, it had been spoken about for many years... although a demanding transition I do not believe anyone would want to go back to the pre-accreditation days and the lack of quality assurance.

“

*I have always really enjoyed seeing the energy and passion that all new people coming into our industry bring and the steadiness of the wise heads.*

”

### Any memorable highlights?

Becoming a Building Control Manager at 38 years old amongst a lot of older peers. Being a part of the Operation Suburb response in Christchurch following the 22 February 2011 earthquake , being able to contribute in a small way to such a significant national event.

Gaining accreditation for the first time, it was not an easy shift for most of us but I would not change a thing!

### What do you do outside of work?

I am fortunate enough to have a 100 year old bach on the Thames Coast, it is there that I enjoy fishing when the weather allows in my little boat and spending time with my family and friends, otherwise I enjoy playing a bit of golf and keeping away from the phone.

### What's your involvement with BOINZ and how has it impacted on your career?

I am within the Waikato/Bay of Plenty Branch and I have had the privilege of attending many BOINZ courses and conferences/seminars over the years. BOINZ has without doubt given me the training, additional skills and knowledge, connections, networking and relationships that I would not of otherwise obtained had I not been associated with our professional Institute. It has also given me the opportunity to speak to our members in a public forum and the sharing knowledge which I believe is integral to our success as an organisation and the perfect conduit for the sharing of knowledge, altogether this has enabled me to grow personally and add benefit to my employer.

### What advice would you give someone just starting their career in building control?

Here is a job in which you can add real value to your community and the industry as a whole, get involved, it is up to you how far you want to take it!

You will be challenged on a regular basis. No you cannot always be everyone's friend along the way, but by being your best self you will gain the trust and respect of others if you do what is right, stick to your morals and what is important to you and your employer.

Ultimately you will get the satisfaction of making a lot of people happy along the way, seeing them get into their buildings knowing that they will be fit for purpose.. you have got to love what you do!





## BOINZ BOARD NOMINEES

Here is the slate of nominees contending for a position on the Building Officials Institute of New Zealand's 2020 – 2022 Board term. The nominees will be vying for 6 Board positions.

- Voting category Members will be receiving voting information on or before the 20th April with a closing date for receipt of votes being 4th May.
- The eligible voting categories under the constitution are Licensed, Accredited, Associate, Life, Honorary and Retired.
- Please note as we are at Alert Level 4 for Covid-19 and the postal outlets are closed or curtailed, there will no paper ballot deliveries this year.
- You are encouraged to read the profiles of the nominee candidates below so you can contribute to the election of the best Board candidates in your view.

Keep checking your email for more Board election news and don't forget to vote!

---

### KAREL BOAKES

Regulatory Manager for the Manawatu District Council

#### Education

BSc (Hons) Building Management, Design & Construction, University of Northumbria, Newcastle Upon Tyne, UK (1994)  
SOLGM Opus Business School, Leadership for Middle Tier LG Managers - May 2011  
Certificate in AMINZ mediation skills intensive – March 2019

#### Experience

I am a Licensed member of BOINZ and have been a member for 16 years. I have regularly attended the Annual conferences and Central Branch meetings and am a keen advocate for the regional cluster group.



I am the Regulatory Manager for the Manawatu District Council and have 16 years' experience working in the regulatory field within NZ local government with a proven track record of delivering new initiatives to enhance operational efficiency and customer experience. I have a BSc (Hons) in Building Management, Design and Construction from the UK and have worked within the local government and construction industry in the UK and South Africa prior to emigrating to NZ in 2002.

I am skilled in stakeholder management, quality management systems, continuous improvement, strategic policy, conflict resolution, construction and development, project planning and management.

My current role requires a strategic outlook whilst managing the ever-changing operational building and planning environment.

Collaborative activities and positions held  
I am a founding member of the change management group of the 'Simpli' initiative, established with the aim of achieving consistency across Building Consenting Authorities (BCA's) and actively support and implement the Simpli products within the Manawatu District Council.

I was a member of the Earthquake Prone Building Technical Working Group for the development of the Earthquake Prone Regulations and am responsible for the implementation of the earthquake prone legislation for the Manawatu District Council.

I am also a new member of the Society of Local Government Managers Regulatory Reference Group. I enjoy the discussion and challenge of reality checking new government policy and regulation and I consistently submit on new government policy and regulation.

Goals

**Promote Building Control as a profession.** I

believe that we still need to address the ageing population within the industry and develop new strategies to encourage interest from the younger population. Further solutions and partnerships need to be developed to ensure that there is ongoing adequate demand and capacity for the training academy to be fully effective.

**Encourage diversity within the building and construction profession.** Having faced my own challenges as a female interested in a career in construction, I would like to ensure that other women have the opportunity to provide their unique set of skills and expertise to further enhance the industry. Leading by example and women in key positions within the industry provides a role model for others.

**Passion about new technology and the opportunities to improve efficiencies within the construction industry.** I have been a strong advocate for online technology within local government, but the industry generally has been slow to develop in this space. I believe there are more opportunities waiting to be developed and BOINZ could assist in providing a platform to highlight or showcase potential benefits.

Given my experience and background I have a keen awareness of the challenges within the industry, am a good listener, logical thinker, ask the difficult questions and am known for my straight talking and insightful approach.

I have the support of my team and wider regulatory cluster for the position and I will provide strong, balanced and committed leadership coupled with passion and energy to further enhance the industry and the Institute to deliver on its vision.



Karel Boakes

## BOOST YOUR BOINZ MEMBERSHIP WITH BOOST & BOOST+

Stay up to date with easy access to our newsletters, Straight up, Jobs Board and BOINZ events calendar and access your favourite member discounts through the BOOST button on the homepage. It's free as part of your BOINZ membership.

Unlock even more discounts with BOOST+



Just click the BOOST+ button on the app and sign up to access these extra discounts for a whole year.



## BRYAN CLARK

Team Leader, Palmerston North City Council

### Qualifications

Trade and Advanced Trade Certificate  
National Diploma. Building Control Surveying  
(Level 6)

### Experience

My experience in the construction industry started in 1984 as an apprentice carpenter for T & J McIlwaine working on a range of projects from general house maintenance to new commercial projects.

In 1991 I moved to H J Spackman working on similar projects until 2004 when I was fortunate to gain employment at Palmerston North City Council as a building officer.

### BOINZ Positions

Secretary 2016  
Central Branch Chair 2017- present

### Goals

Whilst I understand and support the commercial goals of the institute, I do feel the Institute has lost sight of its true role in supporting and enhancing all members.

The training academy is providing an excellent



resource for newer members but there is little for experienced members who are questioning the benefits of ongoing memberships.

As the Chair for the Central Branch area I believe the Institute needs to support the Branch Chairs and Secretaries in providing meaningful networking and training opportunities at a local level.

Bryan Clark

---

## KEVIN DUTHIE

Building Control Manager - South Waikato District Council

### Education

Diploma in Building Surveying – Small buildings  
Diploma in Building Surveying – Medium and Large buildings  
NZ Certificate – Front Line Management

### Experience

I have been in building control for 25 years and within local government for 30 years total (Regulatory Services Officer, Building Inspector, Building Control Officer, Senior Building Control Officer). I am the current Building Control Manager of a team of eight at the South Waikato District Council with 14 years in this role. During this time, I have seen many changes to our legislation which in turn has dictated the way I have had to manage our duties, the development and implementation of policies and procedures, accreditation and cross over into electronic consenting.

In 2018 I left local government for a 12-month break to work as a Project Manager for a residential



housing company gaining an understanding of pressures from the other side of the fence. What this confirmed to me is that although confident with common product application there is a lack of legislative and wider technical knowledge

in the industry and the important role that Building Consent Authorities play in the ongoing education of practitioners by default and how heavy the reliance on this knowledge is only required when things don't go to plan, we all know this story.

First joined as a member of our Institute (part of Waikato/Bay of Plenty branch) prior to 2000, I am a current Licenced member and have been fortunate enough to have attended many annual conferences, senior building control forums, branch meetings and training days in the past, the knowledge and confidence I have gained from my peers and colleagues cannot be understated.

Activities and Positions held  
Member of the technical review of qualifications (TRoQ) for National Diplomas in Building Surveying (Small, Medium/Large buildings) in 2015.  
Past Chairperson (two terms) and board member St Marys School Putāruru from 1999 -2011.  
Past Member of NZ Institute of Inspectors of Dangerous Goods 1997 - 2002.  
Current member and past Chair of the Lakes Coast Cluster Group.

Goals for the Institute  
I would like to think that I can bring fresh and

considered thinking to the table, to support and enhance the current strategic direction, meet the ongoing change in our industry, advocacy, transparency, to work alongside other members with the vision of quality outcomes and to add usefulness to the best of my abilities as a new member of the Board.

A heightened awareness and participation of members in quality branch and national training and professional development opportunities, education and skill development are key to success, I want all members to feel proud and have a sense of belonging to our Institute.

To facilitate improvement to the performance and quality of the built environment, influencing the legislative decision makers for better outcomes. Advocacy for all (current and future) BOINZ members interests for today and tomorrow.

Continued sustainability, diversity, innovation, visibility and growth of the Institute as a whole.

Kevin Buthie

---

## JEFF FAHRENSOHN

Manager Inspections - Auckland Council

BOINZ Member since 2004

### Experience

Jeff comes from a design and building background running his own company between 1991 and 1996 specialising in early childcare centres and residential construction projects.

After moving from Wellington to Auckland in 1996, Jeff started as a building inspector at Waitakere Council. In 1999 he took up professional rugby contracts in France's top league for Stade Aurillac and London Irish in the English premiership before returning to his inspecting role at Waitakere Council in 2003.

Jeff joined the newly formed Auckland Council in 2012 where he managed the former Papakura District Council building control team before becoming processing manager for the Auckland North and West teams in 2014 and then the Council regional training and competency manager in 2015. From 2016 (until present), Jeff has managed the Auckland Council inspection team which also includes CCC, BWO and pool fencing teams. Over the last year, this team has



carried out over 190,000 building inspections, 17,000 pool inspections, issued 16,000 CCCs and received 16,500 BWOs.

He is actively involved in the Unitec Building and plumbing/drainage advisory Board, Auckland

Universal Design committee and has also been involved several MBIE and BRANZ working groups over the years. Currently, Jeff holds all Residential 3 and Commercial 3 inspections and processing competencies.

His passion includes finding innovative ways of making building control more efficient while driving higher quality skills within the teams. In 2019, Jeff won the BOINZ innovator of the year award and the Auckland Council Tupu award for teamwork. He regularly presents to various industry groups to help them gain a better understanding of how we see the world through a regulatory lens.

### Goals

Jeff believes that BOINZ has the ideal vision to take our profession to a higher level equal to that of engineers and architects. He also believes these goals are driven from sound pragmatic governance and he is committed to providing strategically valuable tools for BOINZ members while providing the best bang for buck. Jeff's experience on the front line will add value to the future thinking approach BOINZ has taken to help offer cutting edge training, innovative tools and career developing strategies for all members.

"Having high performing BOINZ members means lifting industry quality and that is a legacy we would all be proud of handing to our grandkids".

Jeff Fahrensohn

---

## WAYNE GOODFELLOW

National Planning and Programme Manager for Fire and Emergency New Zealand

Wayne Goodfellow is the National Planning and Programme Manager for Fire and Emergency New Zealand (formally the New Zealand Fire Service) where he is responsible for the planning, programme and delivery of the \$750m investment into the built environment over the next 25 years for the most trusted organisation in New Zealand.

Wayne's focus is safety, compliance and the delivery of fit for purpose and sustainable buildings for our nationwide front-line emergency services in New Zealand.

Wayne has been a proud BOINZ member for almost 10 years and joined BOINZ while he was working at Wellington City Council (WCC) in the Building Compliance and Consents team. Wayne joined WCC as a Team Leader before moving into the role of Manager Building Consents and Licencing – Approvals.

Wayne took on the opportunity at Fire and Emergency New Zealand in 2013 with a focus on the seismic upgrade programme. His role expanded dramatically, now being involved in a diverse range of technical, governance and national project work throughout the organisation.



Wayne has proudly sat on previous governance boards and currently sits as the BOINZ Wellington Branch Chairperson, a role he has cherished since 2016. Working with an exciting, diverse and vastly experienced group within the Branch, his fondest moment for the branch was for the Wellington Branch to be awarded Branch of the year.

Wayne is a practical and big picture thinker, who celebrates success and always challenges the team in terms of their own intellectual and personal development. Putting wellbeing first, he



looks to build cultures that promote empowering decision makers, developing people's experience hands on, sharing intelligence and building legacies to aid future development of individuals, communities and their organisations.

Wayne has a background in corporate and public governance and 22 years in the building sector. Looking to add value to customer interactions, but at the same time ensuring an all of life solution for our built environment is in place. Wayne achieves this firstly through his key national network of relationships and secondly through collective listening and collaborative decision making.

Within his roles, Wayne has worked as a private/public interface and with communities managing long term risk and financial governance.

Wayne aims for achievable expectations and focused outcomes, before delivering them strategically and transparently. Some examples include building new fire stations in small rural communities, providing strong volunteer and equality property direction, right the way up to leading teams as part of Civil Defence events and post event continuity.

Wayne puts BOINZ members first and what interests him working on the Board more than anything, is to drive a commitment to get the best training, the best development and the best skills for our members, whilst ensuring they get the appreciation and recognition for their capability and experience in an ever-changing and widely diverse industry.

Our members and organisations deliver a valuable role in our communities and Wayne believes we should be rewarding that with a focused and best bang for their buck approach.

He aha te mea nui o te ao. He tāngata, he tāngata, he tāngata.

Thank you for your attention and consideration.

Wayne Goodfellow

## STANDARDS NZ SHORTS

**Standards New Zealand advised on 20 March 2020 the publication of two Standards and the release for public comment of one engineering Standard and three timber treatment Standards.**

Newly published standards are:

AS/NZS 3012:2019 A1 - Electrical installations - Construction and demolition sites

AS/NZS IEC 60903:2020 - Live working - Electrical insulating gloves

Standards released for public comment are:

DR AS/NZS 2205.3.1:202X Amd 1:2020 - Destructive tests on welds in metallic materials, Part 3.1: Bend tests Comments close on 24/04/2020

DR AS/NZS 1604.1:2020 - Preservative-treated wood-based products - Part 1: Products and treatment Comments close on 29/04/2020

DR AS/NZS 1604.3:2020 - Preservative-treated wood-based products - Part 3: Test methods Comments close on 29/04/2020

DR AS/NZS 1604.2:2020 - Preservative-treated wood-based products - Part 2: Verification requirements Comments close on 29/04/2020

All of the above Standards are available from Standards New Zealand website [www.standards.govt.nz](http://www.standards.govt.nz)

To put these joint AS/NZS timber treatment Standards into context, according to the SNZ Work Programme dated March 2020, the amended and updated versions of NZS 3640 *Chemical preservation of round and sawn timber* and NZS 3602 *Timber and wood-based products for use in building*, are scheduled for publication 31 May 2020.





# GRIDLOK®



GRIDLOK®  
C CHANNEL

GRIDLOK®  
SCREW FIX (TCR)

GRIDLOK®  
PEAKFORM

GRIDLOK®

GRIDLOK®  
U-PROFILE

## SEISMIC CEILING BRACING

Whether a ceiling is large, heavy or high or your project has a seismic requirement, the need for effective bracing is important. The need to provide a tested and consistent bracing solution is essential. GRIDLOK® is easy and quick to install, provides consistent performance and is compliant to AS/NZS1170. The GRIDLOK® connection saddle provides a solid bond to two-way grid, dry-wall grid, screw-fix TCR, unigrid, baffles and specialty ceiling systems. It also features the ability to rotate the brace footprint through 360° meaning service clashes are easily avoided.

Visit our website for a list of reputable distributors.

[www.tracklok.com](http://www.tracklok.com)

GRIDLOK® and  
GRIDLOK® PEAKFORM  
(marketed as GRIDLOK®  
PRELUDE in the USA)



**ESR-4187**

**APPROVED**

## MIN KIM

Dual Senior Building Official (Western Bay District Council & Opotiki District Council)  
Director of ONE BRAND  
Member of BOINZ

### Education

Glendowie College  
Whangarei Boys High School  
Victoria University of Wellington - Bachelor of Architecture (BArch)

### Experience

Min is a young, passionate leader and director in his 30s. He is currently acting as a Dual Senior Building Official, working for both Western Bay District Council and Opotiki District Council. He has good balanced years of experience as an architectural designer and building official in New Zealand.

Throughout his work experience, Min has clearly identified the issues that need to be addressed and improved within the NZ building industry. That is why Min joined BOINZ in 2019, to actively get involved with the Institute.

### Goals

#### **One Building Consent Platform**

Currently, inconsistent reasons for decisions and various processing platforms confuse the NZ building industry. Therefore, we must create one consistent and transparent processing / inspecting platform for everyone (officials, agents, engineers, builders and any other contractors) to communicate, process, inspect and share files.

The new platform will need to be run and funded by the government for transparency. This will provide equal training opportunities for everyone and will create better industry relationships. This initiation will put a stop to the blame games between industries.



#### **Young and Wise Buddy Programme**

Modern technology is advancing faster than society can handle which can be troublesome for some elder (wise) members while many young members need more onsite (real) building knowledge. I am confident that this initiation will utilise each generation's strength to benefit each other.

#### **Your voice to be heard by BOINZ**

As a member of BOINZ you are an integral part of representing the NZ building industry. Therefore, your opinions, ideas and concerns can really benefit the Institute to provide a better platform of influence. I will make sure that everyone's ideas, concerns and opinions are heard by the Institute and you will be guaranteed to receive the response for your voice.

We need more encouragement for the members to engage to improve our current building industry. I will help you speak out.

Min Kim

## DOWNLOAD THE NEW BOINZ MEMBER APP NOW

With the new BOOST+ optional add on, we'll put New Zealand's favourite products and services in your pocket and make you feel like a VIP every time you need a BOOST. Sign up to BOOST+ for just \$49 (\*yearly subscription price) and you'll get access to over 450 extra discounts for dining, entertainment, travel, experiences and retail.





## CORY LANG

Building Unit Manager, Hamilton City Council

### Education

National Diploma in Quantity Surveying

National Diploma in Construction Management

National Diploma Building Control Surveying (small, medium and large buildings)

### Experience

I have 15 years' experience as a Building Official across consents, inspections and customer service.

I currently hold the position of Building Unit Manager at Hamilton City Council, a position I've held for 5 years. As the Building Unit Manager, I'm responsible for the delivery of all Building Consent Authority functions and building related territorial responsibilities, including the management of all building related litigation.

I have been a member of the Institute for 12 years and have been involved at Branch and National level for a number of years. During this time, I've attended several BOINZ Annual Conferences and Senior Building Officers Forums.

I'm very passionate about our industry and organisation and take every opportunity to encourage industry partners and my team to become members and support the Institute, and actively participate at a local and national level.

### Activities and Offices Held

I am also involved in several other industry committees and working groups which allows me to play a part and understand the wider sector and feedings into my Council and board positions. Most recently I've been working on the Construction Sector Accord, specifically on the Regulatory Environment workstream, led by Richard Briggs.

In terms of governance experience, I've held several board positions in private and not for profit organisations and currently serve in the areas of Finance, Audit and Risk, and Human Resource, Property and Performance.

- During my last term on the BOINZ board I've been a member of the Audit Committee and represented BOINZ on the BCTRAG.

- I'm a current member of the New Zealand Institute of Directors and working towards being a Chartered member.

I've been fortunate to have served on the BOINZ



board for the last few years and made a constructive and positive contribution during this time. I believe the next twelve months will be pivotal for BOINZ due to the changing economic environment, industry change through the Construction Sector Accord and need for an individual member focus.

### Goals

I am a strong advocate of the Institute and see that it would be my role to work hard alongside other board members to achieve the Institute's strategic priorities.

I believe there are three key focus areas for the Institute moving forward these include but are not limited to:

- **Sustainability of the Institute;** Continue to stabilise our financial position while investing for membership benefit and strengthening the Institute as a recognised professional organisation.
- **Learning and Development;** Focus on developing a flexible and reliable training offering. We have spent the last few years at an educational level developing and rolling out our professional qualifications, and we now need to turn our focus to training (CPD needs & specialist skills) and agile delivery methods (online and accessible).
- **Membership and Profile;** Leverage wider industry relationships and have a voice in the circles of influence to deliver on the Institutes strategic priorities. New Government and Ministry changes may bring new challenges and opportunities to drive change and sector capability and performance.

I believe the Institute has a key role to play in representing its members in the wider Building and Construction industry. The need to influence decision making is more important now due to the changing focus of the Ministry, legislative reform and the Construction Sector Accord. BOINZ has a role to engage and enable its members for change.

I'm committed to bring sound governance and decision making to driving our Institute forward. As a Board Member I will ensure the members' best

interests are represented to strategically guide the institutes future direction.

I believe my experience puts me in a strong position to contribute to and represent you as a member on the board. It is on this basis that I put myself forward for election on the Board of the Building Officials Institute of New Zealand.

Cory Lang

---

## PETER LAURENSEN

Project Assessment Manager (South) for Auckland Council

### Institute Involvement

- I am a current Institute Board Member and have had the privilege to be the Vice President for the last two years.

- I have been a member of the Institute for 17 years and have taken an active part in branch meetings and activities, the institute's Annual Conferences, and the Senior Building Officers forums.

- I believe strongly in the value to members of specialised Qualifications and have been involved in the continuing development of these Qualifications for Building Officials.

- I am proud to have assisted our board to provide good governance, allowing the Institute through its CEO and staff to return us to a strong financial position, coming back from a rock bottom position some 10 years ago.

- It has been my pleasure to have been an active member of three branches now, Southern, Wellington, and currently Auckland. Equally being involved with the other regions through conferences and my board responsibilities has been very rewarding.

### Industry Experience

- I am employed as the Project Assessment Manager (South) for Auckland Council which is a challenging and rewarding role given the level of activity and changing construction dynamics.

- For the previous couple of years, I was the Manager Building System Controls for MBIE. The areas of responsibility included the Building Code and the Building Consenting Systems interacting with BCAs.



- I was the Building Services Manager for Queenstown Lakes District Council for 13 years, and prior to that I worked in the building supplies industry for around 22 years. I gained a Bachelor of Commerce degree whilst working in marketing and computer system installation roles.

- I have served for 8 years on the IANZ BCA Professional Advisory Committee and am currently the chairman. This is very interesting and has provided a good link for information flow between Building Officials and IANZ

- In terms of further Board experience, I was on the board of the Queenstown Chamber of Commerce for about 8 years including 3 years of that time as their President. I was on a Rotary board for around 8 years and was the president of the Queenstown Rotary Club in 2014.

### Direction for the Institute

- We are in unprecedented times in relation to how to undertake our professional roles. Self-isolation,

financial pressures, different communication methods are all things that have come into clear focus in the last few weeks. I believe our Institute has a good base to address these issues, and that it is going to take strong leadership whilst being prepared to listen carefully for all those innovative and productive ideas from our members.

- My view is that we need to advance our progress in the following areas:

- Focus on consistency and togetherness we need to be united in the things we do for the benefit of the built environment
- Training and communication need priority treatment to adapt to the needs of members and their employers, particularly into the digital delivery space
- Increased advocacy and speaking with one clear voice in terms of legislation review and the impacts on our profession

- We will likely face challenges for some time relating to how we physically interact with our colleagues, customers, and other institute members in particular. I think this is really the time for a variety of interaction formats, trying new things, enhancing the fun aspects between us, and learning to interact without some of the normal forums where we may have come together physically.

- NZ is a small country, and more than ever we need to share from each other's experiences. BOINZ is a fantastic vehicle for us to share together in an overarching framework of "not-for-profit" with a fundamental requirement for increasing the learning of our members. Now is the time for harnessing a joint approach to challenges, giving our resources and receiving the benefit through the power of our size and breadth of membership.

- It truly is a time for all members to be doing more for their Institute than ever before. If we are experienced, then we should give back to others that are learning. If we think there should be some feedback or advocacy done with regard to legislation, then we need many members to actually put their views forward and not just rely on the small portion who normally do.

- We need to further develop the qualifications pathways at both ends of the learning spectrum. Let's drive home the implementation and uptake of the new level 4 New Zealand Certificate in Building Regulatory Environment in respect of building control legislation and develop a specialist degree level qualification for

building surveying.

- We have had robust developments and uptake in the Building Surveyor field for pre-purchase property inspections and as an Institute we need to continue to forge a differentiated professional approach which is recognised. I believe we should move into the phase of demanding legislation is brought in to mandate recognised professional qualifications to operate in this space – let's go hard on this.

- The return over recent years to strength and the financial wellbeing of BOINZ has been hard-won and heart-warming. I believe we need to invest in the future generations of our members. Demonstrating value to our employers and the community of building owners/users is critical, and to do this we must be joined up and professional in our approach.

- We have done the best job possible at providing feedback and advocacy on behalf of members to MBIE and Ministers in the past few years. The problem has been that largely they haven't been listening and instead heading down a pre-determined pathway with little or no deviation.

Now is the time for very strong leadership and vocal advocacy on behalf of the Institutes' members. We will likely need to take an even more concise and occasionally confrontational approach (whilst maintaining our professionalism) to some of the proposed legislative changes (or lack of them), and I sense there is support for that approach from members.

- The variety of roles which I have held across the industry, are in my view a benefit to my role as a BOINZ board member. Should I be fortunate to have your support, I aim to continue to deliver the benefits of my learnings across the industry to allow the best of outcomes as a result of all parties being fully informed.

- It is based on these comments above, that I am prepared to put my best endeavours towards the growth and prosperity of our Institute, and to continue the good work done by many others over the years. Hence, I ask for your vote of support to serve as a Board Member for the Institute over the next term.

Peter Laurenson





# Your building could be put to the ultimate test.

## So we do the same to our steel.

At Pacific Steel, we put all our products through a rigorous testing regime. Our dedicated laboratory has full IANZ certification and we're the only local manufacturer of reinforcing steel to have third party ACRS certification. So when we say our SEISMIC® reinforcing steel is tested to meet the AS/NZS 4671 standard, you can be sure it's been put to the ultimate test.

**SEISMIC®**  
A PACIFIC STEEL PRODUCT



A steel bar about to be tested in one of five testing machines at our laboratory in Otahuhu.

## PHIL SAUNDERS

Building Control Manager at Otorohanga District Council

I joined BOINZ in 1978 when it was the NZ Institute of Building Inspectors, so I have a long association with the organisation.

During this time, I have been heavily involved at local branch level and also at a National level. I have enjoyed leadership roles as Branch Chairman and I also served two terms as Board Chairman and President. The latter was at a time when the institute was under immense pressure with financial problems which was very challenging from a leadership perspective. We were fortunate to employ a very experienced person as a CEO and the Board under my leadership developed a vision and long-term plan that has supported our members to grow and better themselves. When I completed my tenure as Board Chairman the Institute was left in a sound financial position and remains so to this day.

I have spent my working life in the construction sector, firstly as a qualified builder. I ran my own business before joining a Council as a BCO. I have spent 41 years working within the Building Control area in just about every role and I have enjoyed all of them. More lately I was the Building Control Manager at Hamilton City Council for over 20 years and I recently joined Otorohanga District Council as the Building Control Manager.

My goals for the future development of the Institute are principally around growing and supporting our people to be successful to become effective BCOs. BCOs don't grow on trees and likely people with the right attitude coupled with skills and sometimes a little experience need to be further trained and encouraged to become an effective BCO. This takes time and money but more than that it takes someone willing to get alongside that person and encourage, guide and mentor them so they feel supported to learn and grow.

I developed one of the early cadetship programmes for BCOs which has been very successful in bringing younger people into our sector. Many of these cadets have now gone onto senior management positions within BCAs, and others have achieved success in private companies supporting and interacting with our sector. The continuation and further development of the cadetship and internship philosophy and modelling forms an important part of recruitment and offers opportunity to bring younger people into our sector.

The development of the Building Surveying



Diploma(s) has also been a long standing vision of mine and I am proud not only of being involved in bringing these necessary qualifications into our sector to enable the professionalism of Building Surveying in New Zealand, but also to see the results and further attributes of those individuals who have made the commitment to get qualified. My vision doesn't stop there though, as I am also a strong supporter of getting our members involved in continual learning and I will be encouraging and committing my energies to growing and enhancing the Institute's Training Academy online training offerings.

For the ongoing success of our members and industry the Institute's board needs to continue to focus on supporting our members and together with key service providers drive the development and completion of a degree in building surveying. This will complete a path of academic education for our members to be on an equal footing with other construction sector professionals.

In the area of advocacy our Institute has been able to add significant value to the direction of a better built environment. A number of changes in respect of both the macro building environment (the Construction Sector Accord) and recent changes in building sector policy leadership will now provide the Institute with new opportunities to assist better build outcomes. I strongly believe that Building Surveyors have a vital role in the compliance and quality of our building stock.

We are in a high demand building cycle which leads to pressure on the BCA/BCO environment to not only do more with less, but to provide a service that is often unreasonably challenged in respect





# **ANNUAL CONFERENCE & EXPO 2020**

We are working on  
new dates

---

VISIT [WWW.BOINZ.ORG.NZ](http://WWW.BOINZ.ORG.NZ)  
FOR MORE INFO

**GRAND MILLENNIUM  
AUCKLAND**





of its commitment to compliance requirements. I fully expect a pressure increase in the commercial sector and as a consequence a regulatory push to diminish the requirements around accountability and responsibility of the wider design and built environment. These tensions are cyclical and can deliver both good and not-so-good solutions. Delivering on challenges and achieving best outcomes for regulatory positions will be vital in the term ahead.

Should I be successful in gaining your support as a board member, I will continue to use my skills, experience, drive and enthusiasm to support the board and Institute, and importantly to facilitate and

develop opportunities for assisting our younger people. Now is the time to actively grow the capabilities of younger members. Equally it is the time to add value to the skills of our members who have recently completed their qualifications. Both need support and the Institute is well positioned and capable of delivering. I am also very keen to encourage people looking for career changes to enter our industry and follow a career path in Building Control Surveying.

I thank you for your support  
Phil Saunders

---

## DANIEL SCHEIBMAIR

Specification Manager at Simpson Strong-Tie NZ

### Key Accomplishments

- Chartered Professional Engineer (CPEng) //
- Chartered Member Engineering NZ (CMEngNZ)
- Timber Design Society Management Committee Member & Past President
- NZWood Timber Design Awards Judge
- Representative on NZ Standards review committees

### Education

Bachelor of Engineering (Civil/Structural) 2002 //

Master of Engineering (Hons) (Civil) 2003

### Aspirations

BOINZ being the peak body for those engaged in Building Controls, and its vision of Improving the Quality and Performance of the Built Environment fit well with personal aspirations (as well as those of my employer Simpson Strong-Tie). Having spent two years working for the Institute has provided great insight not only of the Institute itself, but more importantly its members without which it would not be able to exist. With a background focused more on design, engineering, and construction product development and supply, the divide between the building control sector and design professionals and builders remains painfully visible. Some of the initiatives from my time employed by BOINZ have been designed to already help address this, but further improvements in better recognition of Building Control staff's professional standing and positive engagement from other professions with the Institute's members can still be achieved. While the Institute naturally first and foremost exists for its members, having representation from someone with a design and manufacturing background should



complement the Building Controls background the Institute's board has traditionally consisted of and relied upon to guide the Institute's strategic direction.

### Experience

Employment history to date focused on technical marketing, education and training, research and development, and engineering. Daniel was recently engaged by BOINZ taking on the challenge of evolve the Training Academy to include online learning and develop a cadetship study option for the NZQA approved NZ Diploma in Building Surveying. A role that's seen him expand his technical background to the NZ tertiary education system in creating innovative fit-for-purpose education and training for the not-for-profit's members, and drive positive change in the building control sector.

Previous roles included Engineering & Technical Marketing Manager in the ITW Residential Division,

with responsibility and reporting staff across Australia and NZ, which was a natural progression from prior technical focused support, marketing, and sales roles. All these required interaction with customers, regulators, and designers in one-on-one contact, tutoring training courses, and addressing audiences at local and international conferences and events. Daniel is currently employed by Simpson Strong-Tie and developing solutions for taller timber construction in NZ, as well as an education drive to build safer and stronger structures beyond the minimum requirements of NZS3604.

Another career highlight was being elected President of the Timber Design Society for 3 consecutive years, over which period membership numbers grew to just over 400, and numerous seminars and events were successfully organised and run; the biggest being a 3 day conference with split stream sessions, a Ministerial address at the event dinner, and site visits, attracting 150 attendees.

Daniel has been described as 'an acknowledged communicator with a talent for providing clarity from abstract form' and is a respected member on industry bodies and Standards/Codes committees. As a regular presenter, TDS Presidency, and the various roles held in the construction industry, he has gained extensive knowledge of construction, materials suppliers, building compliance, and prefabrication technology and methodology. Contacts established across the design and manufacturing sector, and associated regulatory bodies and government departments, have allowed him to be at the forefront of advances and innovation, and he continually seeks to leverage and build on experience and accumulated knowledge in the specialised field of timber engineering, mid-rise and Medium Density Housing (MDH), and his limited exposure to building controls.

Daniel Scheibmair



## ACCREDITED BUILDING SURVEYORS 2020 COURSES



22-24 May  
17-19 July  
18-20 September  
13-15 November

Auckland (TBC)  
Wellington  
Christchurch  
Auckland

*NB: These dates are subject to change*





## ACRS CERTIFICATION

### **ACRS Update: ACRS certification during COVID-19 Emergency, and ACRS Stage 2 Certificates use BCAs**

**Philp Sanders, CEO of ACRS answers questions from NZ Building Officials and engineers on ACRS continued assessment and assurance during the current coronavirus crisis, and gives further guidance on the call up and use of ACRS Stage 2 certification for rebar processors and mesh manufacturers, and structural steel welded sections producers, with some recent examples of related specification pitfalls and delivery problems.**

#### **Will the current COVID-19 emergency affect the validity of ACRS certification?**

Absolutely not. ACRS is very pleased to confirm that its operations have not been interrupted by the current crisis, and ACRS certificates remain fully valid. ACRS has worked very closely with a range of institutional stakeholders to ensure that the wide range of manufactured and processed steels supplied under ACRS certification continue to meet the requirements of both applicable AS/NZS Standards and related Government-based specifications, and consumers continue to enjoy the maximum possible choice of independently verified conforming steels.

#### **Will ACRS be continuing assessment, testing and assurance to expected levels of conformity?**

Yes. ACRS has put in place emergency assessment provisions and testing to assist suppliers, steel users, and consumers avoid non-ACRS Approved materials, or mixed supply of ACRS Approved and non-ACRS Approved materials, but you should always continue to check current certificate scope and validity by visiting the ACRS website.

#### **Will any certificate holders' certification be affected?**

It is possible that some certificate holders' may have changes to their existing certification. As part of the emergency provisions, ACRS will work with affected manufacturers, fabricators, and suppliers to minimise any necessary changes to certification status. However, if circumstances require ACRS will suspend, or withdraw certification to ensure the rigour of the ACRS scheme and the resulting confidence in conforming steel supply is maintained.

#### **ACRS 2 Stage certification – Check both the Stage 1 and Stage 2 certificates**

As I discussed in my last article, a lot can happen to steel between manufacture at the mill and when it arrives on site; steel can be rendered nonconforming by a number of factors and subsequent processes. So, you need to review both the ACRS Stage 1 certification and the Stage 2 certification to have full confidence that delivered steel meets Code requirements.

#### **ACRS 2 Stage certification – Why aren't any NZ rebar processors certified, like in Australia?**

Unlike in Australia, NZ industry took the position in



the early 2000's that rebar processors and fabricators would not need ACRS certification to supply. In late 2014, at industry request, ACRS undertook several goodwill assessments in NZ (at no charge), finding variable results. Feedback from local processors suggested as there was no specifier demand for rebar processor certification there was no benefit having it, and acquiring it would simply add unnecessary cost to business. A number of rebar suppliers indicated that should demand grow then at that point they would look to acquire certification.

ACRS has assessed overseas Stage 2 suppliers to the NZ market, and has refused certification where they do not meet NZ requirements.

### **ACRS and other certification schemes – how do they relate?**

We have been asked several times how ACRS certification ties in to other certification schemes. The answer is that different schemes are separate and not directly equivalent. This is unlike in ISO 9001 certification where all schemes are considered equal and interchangeable, and this is very likely the cause of confusion when the concept is mistakenly applied to product certification.

The reason ACRS was created as a 2-Stage system by government and private sector engineers and building surveyors is that common schemes cover either the mill, or the supplier (but usually not both) and focus on process (QMS), or Factory Production Control (FPC) assessment rather than actual ongoing verification of actual product output to the site. That said, different schemes can most definitely be directly compatible via a chain of certification, with each fulfilling its own function to deliver confidence to the market. For instance, considering structural steel construction, ISO 9001 certification provides assurance that the certificate holder has a documented quality management system that it works to, but ISO 9001 does not certify any product.

The excellent SCNZ/HERA steelwork fabricator certification scheme covers the broad range of specific AS/NZS 5131 fabrication processes, but it does not certify product. ACRS certifies the steel to AS/NZS Standards, certifies the welded fabrication that may render the steel noncompliant, and verifies the steel traceability between the steel mill and the welded steel section fabricator. Therefore, all three types of certification used in conjunction provide a consistent chain of assessment and assurance.

### **Can I use another scheme's welded section fabricator or rebar processor certification if the supplier assures me they will only use ACRS "Stage 1" manufactured steel?**

(This is a repeat of the question from last edition, as we have received more enquires on this than almost any other) Yes, you can choose a "Stage 2" scheme for certifying steel processing or fabrication other than ACRS but, and it is a big "but" for BCA's and engineers, ACRS does not cover steel from ACRS certified mills that is later processed into finished rebar or mesh, or fabricated into finished structural welded sections by any other "Stage 2" certifier. This is because different product schemes do not provide the same levels of assurance and ACRS did not Approve the provenance and conformity of the finished product. So ACRS steel mill cannot be used to suggest the delivered steel meets the construction Standard or specification. And the other scheme may not approve the delivered steel either, for instance because it is only "process-focussed" FPC or QMS review (see above, and below).

### **Can ACRS give any examples of where this has been a problem?**

Yes, unfortunately. And it would appear that this problem is increasing. For instance, there are already some initial indications of the current COVID-19 crisis related disruption of the supply chain being used to "excuse" supply of alternative materials to those specified.

Recent enquiries to ACRS have involved industrial buildings, multi storey buildings, and even bridge projects. Whilst the majority of project managers are aware of the pitfalls and manage materials procurement and supply well, ACRS now often hears the excuse that just-in-time (JIT) supply practice means that even if the contract and specification calling up AS/NZS Standards with ACRS certification is available months, or even more than a year ahead, the steel is ordered just a short time before delivery is required to site "and we had to take what steel we could get to keep the contract moving". This is called "Product substitution" and is a prevalent and persistent problem in the supply of many building materials, and especially steel (ref. past ACRS articles in Straight Up, September 2018, and April 2019).



For instance, ACRS has recently assisted an engineer who had specified hot rolled structural sections to be supplied to AS/NZS 3679.1 and ACRS certified. Instead, what arrived on site were welded structural steel sections manufactured from plate made from overseas steel grades not meeting AS/NZS Standards (and of course, not ACRS Stage 2 certified).

In another current case, Structural steels manufactured by an ACRS certified company were delivered to site. However, the building surveyor noticed the steel did not have the expected ACRS markings, labels, or documentation and so approached the engineer and ACRS. On investigation, we discovered that the steel, although very similar in size and profile, had been made to a different national steel standard for use in a third-country. It was never intended for supply to AS/NZS Standards. However, it was available cheaper than the company's (and others') AS/NZS materials, and so it was purchased as part of a winning low-cost tender.

Lastly, ACRS was shown another certification scheme's certificate for fabricated steel delivered to site. ACRS was asked if it could come to site and verify by additional assessment and testing that the materials met the specification, Standard,

and regulations, as the other scheme accepted the supplier's own test data without verification (a common practice, especially if the test laboratory is ILAC accredited). The other scheme also did not track materials traceability and it was thought steel might not be all from ACRS certified sources - both these aspects of course are fundamental to ACRS Stage 2 certification. Regrettably, ACRS is unable to assist in such cases.

*Always check whether, in addition to any other certification, steel has both ACRS manufacturer (mill) certification (Stage 1) and then ACRS rebar processing certification, or ACRS structural steel welded section certification (Stage 2).*

ACRS is an independent, expert, not for profit steel conformity body established in 2000 for consumer benefit.

Please contact ACRS, free of charge, if there is any aspect of steel specification, procurement, and supply that your team would like to discuss. All enquiries are confidential.

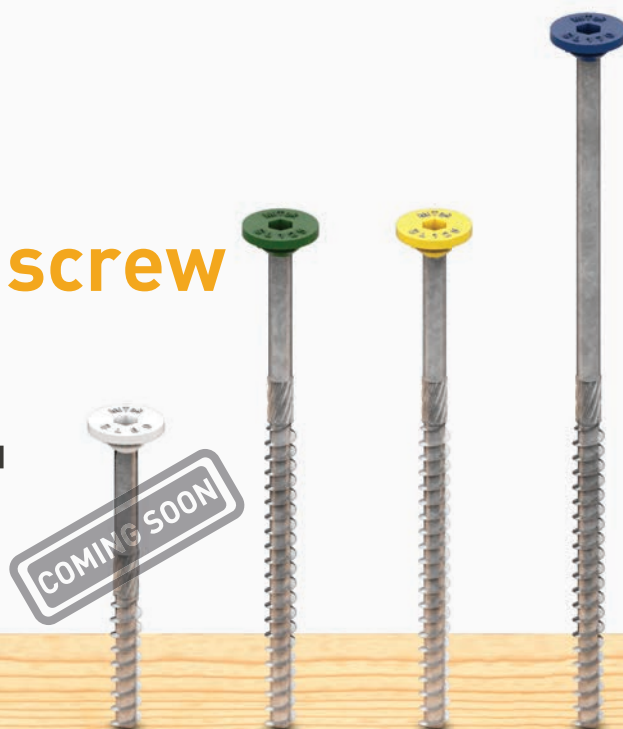
Email [info@steelcertification.com](mailto:info@steelcertification.com)

## MiTek® BOWMAC® Structural Fasteners

### StudLok™ More than just a screw

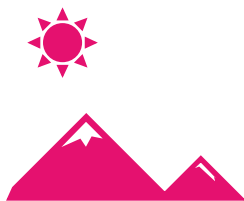
**STUDLOK™ STRUCTURAL FASTENERS  
HAVE BEEN SPECIFICALLY DEVELOPED  
TO PROVIDE EASY ALTERNATIVE  
OPTIONS FOR NZS 3604:2011 AND FORM  
AN INTEGRAL PART OF THE MITEK®  
TRUSS AND FRAME DESIGN LAYOUT.**

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



# Take care of your mental health

Make sure you are looking after your mental wellbeing as well as your physical wellbeing as we navigate coronavirus and practice social distancing. Here are a few good ways to start.



## Spend time outside, even when avoiding crowds

Make sure you're taking the time to get fresh air. Go for a walk, soak in some sun on your deck, or play with your pets to help ease cabin fever.

---

## Don't neglect exercise

Whether it's going for a run or following along with a class virtually, exercise is good for your mental health. There are plenty of great apps for quick, at-home workouts such as those offered by Les Mills or mobile apps such as 7 minute workout, or Daily Yoga that don't require equipment.



## Talk to your friends and family

Just because you're practicing social distancing doesn't mean you have to be anti-social. In the tech age, it's easy to Skype, Facetime or even set up a Google meet to chat with loved ones. Take a few minutes each day to chat with a friend or family member.

---

## Reach out if you need support

If you find yourself struggling with social distancing, don't hesitate to reach out. There are plenty of resources available in New Zealand. For a list of resources available check out the Ministry of Health's website or [click here](#).



*Some of these suggestions were sourced from National Alliance on Mental Illness New York. We are not mental health experts, if you are in need of professional medical or mental health advice, contact the Ministry of Health.*





## MENTAL HEALTH

# 7 Winning Tactics to Becoming More Comfortable with Uncertainty.

### What unpredictable times we are living in!

Uncertainty is defined as a situation in which something is unknown. Research shows us that uncertainty is a major trigger for anxiety and worry. That is, whenever you're not 100% sure of something, you are more likely to stress and worry about it.

Becoming comfortable with uncertainty is part of the decision-making process.

Need to make a big decision?

Got some tough decision you're trying to put off?

Maybe you're about to make a big decision, one that requires you to take a leap in the dark, is a long shot, or one forced upon you that could have major repercussions on not only you but your family, as well as those around you?

And perhaps you've finally come to a decision about something really important hoping you won't find

out later there are even greater challenges to face?

Often the greatest challenges come from inside your own mind, your own thinking?

If you're stressed, anxious or tense... making decisions, even the little ones, can make matters worse.

So, what strategies should you put in place to get more comfortable with uncertainty?

“  
*There's so much uncertainty out there... how can I ever cope with all of the unknown... what can I do when I have no idea on what's required?*  
”

Here are 7 winning tactics to becoming more comfortable with uncertainty:

### 1. You can never be 100% certain!

No-one can predict the future, and herein lies the problem... almost everything has an element of uncertainty. And make sure you acknowledge that the feeling of uncertainty exists.

### 2. Sometimes you've just got to back yourself.

Trusting your own judgement and then taking that leap of faith is what's required when pursuing your business, financial or family outcomes. Involve yourself in regular and ongoing staff communication... and make this a time to up-skill your managerial and leadership techniques to build that self-confidence in your ability to make decisions with more ease.

### 3. Positive affirmations do help.

Chose suitable messages, sayings, or quotes, to support you along the way. For example, Henry Ford said, 'Whether you think you can or you think you can't, you're right', or General Douglas MacArthur who said, 'There is no security on this earth; there is only opportunity'.

### 4. Build a picture in your mind of a certain future.

Focus on a future that feels comfortable; visualise the end result. Doing so takes the pressure off your current experience and helps remove any uncomfortable feelings of uncertainty.

### 5. Ask for help in laying your future's foundations.

Seek out the support you need - the earlier the better. There's nothing written down that says you must deal with all the uncertainties of life and business alone.

Qualified assistance can get you through the tough times and have you looking ahead with a positive mindset, to be ready and able for opportunities that arise.

### 6. Learn to become more comfortable with uncertainty.

Start acting as if you are already comfortable and self-assured with any uncertain situation you



face. This process allows you to generate particular thoughts and commit to particular actions as if you are already fulfilling the role.

### 7. A clear mind makes a difference.

When you are stressed, you can't see the forest for the trees, you focus on the wrong thing, or you don't know where to focus at all. Then your brain has difficulty coping with decision-making, big or small. Start working first on eliminating the overwhelm and reducing any stress you're experiencing.

LINDA WELLS

“

*You gain strength, courage and confidence by every experience in which you really stop to look fear in the face. You must do the thing you cannot do.*

*- Eleanor Roosevelt, 1884-1962, Writer and Diplomat*

”



About the Author, Linda Wells:

Are you looking, or know someone who's looking, for a speaker for your next seminar, association or industry meeting or conference? And want to get the leading-edge strategies on how to avoid being stressed and anxious at work so you remain on top of your game?

Then contact Linda at [www.outcomesunlimited.co.nz](http://www.outcomesunlimited.co.nz) She is the author of the book 'Transforming Your Stress Into Business Success', available at: [www.transformingyourstressintobusinesssuccess.com](http://www.transformingyourstressintobusinesssuccess.com)





## CONNECTIONS

### Penetrations: the Good, the Bad and the Ugly

It is a generally held belief that penetrations are a high-risk detail, yet properly designed and executed, they can be expected to be durable and weathertight. Unfortunately, many of the problems I see on roofs are created by penetrations, and most of these have escaped the compliance process. What's going on here?

**Article courtesy of Rob Newbold**

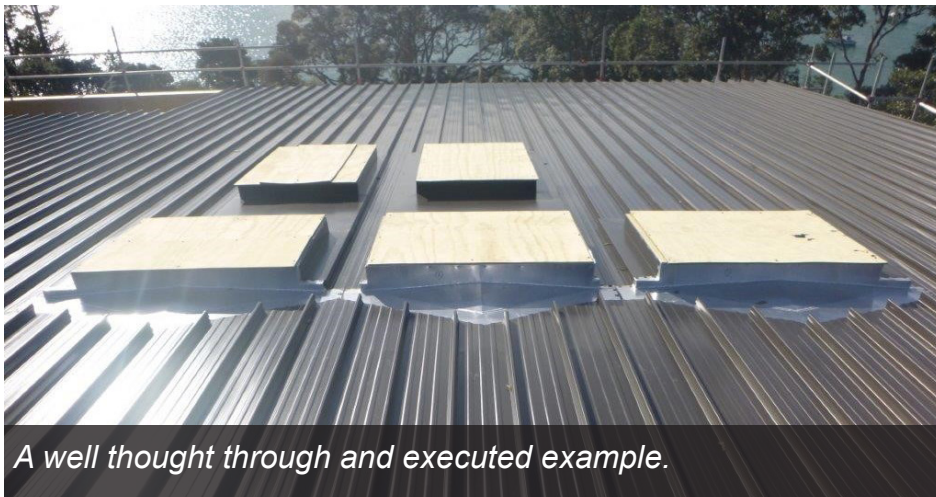
#### The Good

This residential job had multiple penetrations. The roofer worked with his supplier, his client, the designer and the building inspector to agree on detailing, according to penetration size and position. For example, these wide mid span penetrations were fitted with a cricket back flashing, soaker type, the narrower ones in their shelter had a flat back kerb and over flashing. Penetrations close to the apex were back-flashed to the head flashing, in line with the Metal Roofing Code of Practice recommendations.

#### The Bad

Non-residential penetrations are too often a different story. Typically, the penetrations are omitted from the consent drawings so that the structure can be built and clad while the internal fit-out is finalised. Then the plumber puts vents through the roof and they have to be flashed. Then the mechanical services contractor comes along and creates more holes. Skylights and roof hatches can add to the confusion. With post-cladding installation of penetrations, over-flashing is the

easiest solution. Regularly, both the timing and the positioning of these penetrations is haphazard and the cover-flashings overlap. When these flashings are too wide for a single width of metal, flashings are sometimes laid transversely with end laps at 1200mm centres. Often there are longitudinal seams as well as transverse ones. These flat riveted seams are a prime source of leaks. Commonly with the problems I see, the Building Inspector has not appraised these flashings. He may have inspected the roof when laid



*A well thought through and executed example.*



*More flashing than roofing.*





and given it a tick, then the penetrations are added without being subject to the compliance process.

### The Ugly

When penetration details are omitted from a plan, the go-to solution for a roofer is an over-flashing, because it is quick and easy. Also, Building Inspectors readily accept over flashings as the preferred solution in many situations. But if we think about it, such a flashing requires a lot of fasteners though a flat water-carrying surface. Is it really that safe; consider this, would you approve a roof that is pan fixed?

### Recommendations

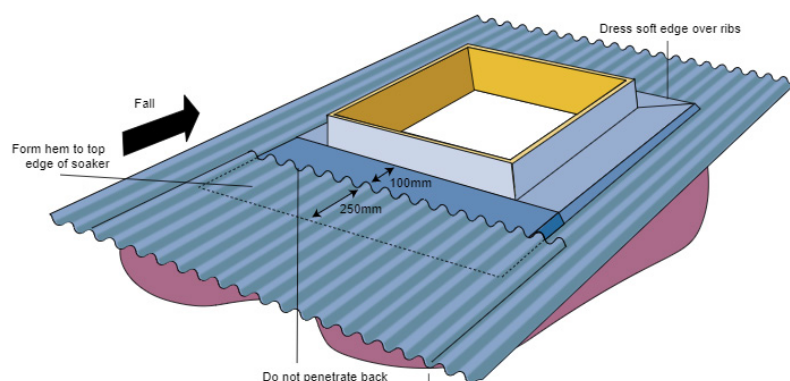
1. Insist that penetration details are included on consent drawings. If they aren't executed to detail, review and amend consent drawings or flashing.
2. Become familiar with Code of Practice Section: 9 External Moisture, Penetrations.
3. Have a tolerance for a greater range of penetration options rather than just over-flashing.
4. For non- residential work, require designers to include detail for subsequent penetrations, or endorse the consent to the effect that post-installation of

penetrations through the roof will require an additional consent.

5. Do not accept over flashings over 1.1 metres in width that do not have crests or standing seams and are not fully supported.



#### 9.4.2.5B Level Under-Soaker: Corrugate



*Soaker flashings are quite easy to install as part of the roofing process, are weathertight, and inexpensive.*





## CONNECTIONS

# Structural steel industry launches latest quality initiative: SCNZ Structural Distributor Charter

**All of Steel Construction New Zealand's (SCNZ's) Distributor members have now been independently audited to satisfy the requirements of the SCNZ Structural Distributor Charter.**

SCNZ General Manager Darren O'Riley says that the Charter is the latest quality assurance initiative led by the structural steel industry, complementing the Steel Fabrication Certification scheme launched in 2014.

"The Charter marks another important milestone for our industry, and demonstrates our ongoing commitment to quality and compliance," says Mr O'Riley. "It ensures that structural steels supplied to the local steel construction sector are sourced using best-practice procurement; it represents a mark of excellence for structural steel distributors in New Zealand."

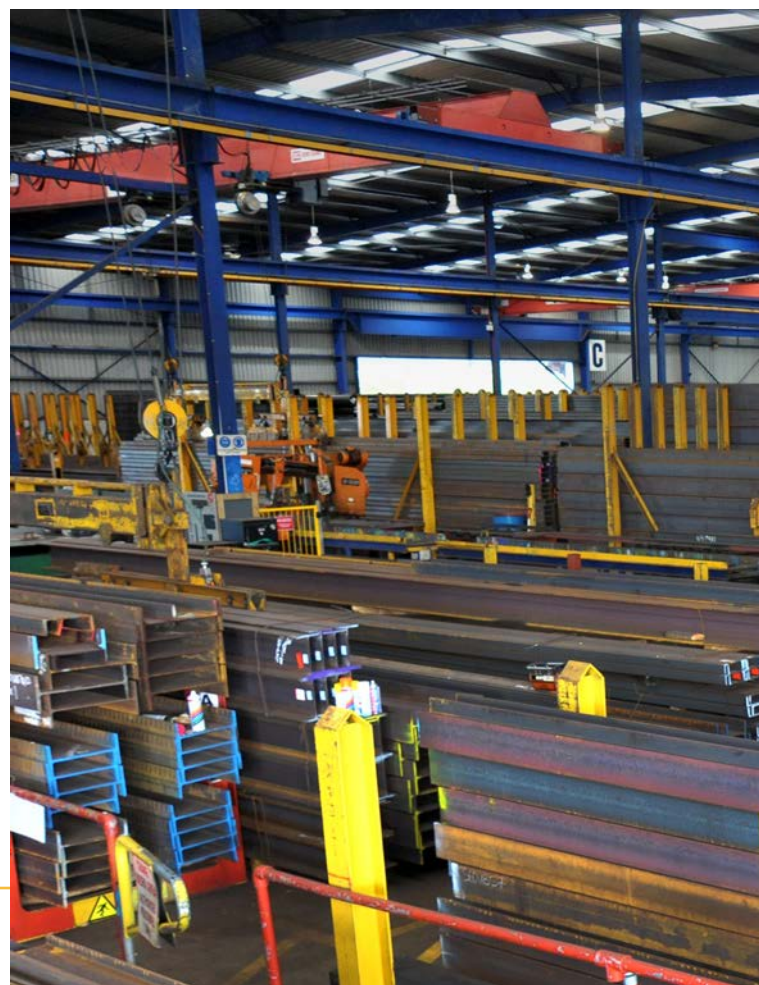
### **The Distributor members are:**

- Alrite Steel & Services NZ
- H.J. Asmuss & Co
- Steel & Tube
- United Steel
- Vulcan Steel
- Fletcher Easysteel

The Charter covers the sourcing of steels for structural and general engineering applications, including structural long sections, plate product, merchant bars and welded sections.

The initiative requires that chartered structural steel distributors operate a Quality Management System

(QMS) and satisfies an audit checklist. For example, they must undertake due diligence of new suppliers and monitor their performance, maintain product traceability, engage competent personnel, and appoint an appropriately accredited QMS assessor to undertake the audit process.





Evidence of compliance with the Structural Steel Distributor Charter comprises a valid QMS certificate as well as written confirmation from the distributor's assessor that the scope of certification meets the requirements of the initiative.

For more information on the SCNZ Distributor Charter please go to [www.scnz.org](http://www.scnz.org).

### About Structural Steel Distributors

Structural steel distributors import structural steels for use in the construction industry. These companies have extensive facilities to warehouse large inventory and provide limited pre-processing of structural steels prior to fabrication. Processes include profile cutting of plate components or supplying long, cut-to-length sections such as universal beams and columns, channels, angles and hollow sections. Structural steel is sourced directly from international steel mills or from overseas stockholders. Over half of the steel supplied is of Australian origin, with the remainder being sourced from Asia and South East Asia (South Korea, Japan, China, Taiwan, Thailand, Malaysia and Indonesia). The local structural steel sector consumes circa 110,000 tonnes of structural steel per annum.

### About Steel Construction New Zealand

Steel Construction New Zealand Inc. (SCNZ) aims to advance the interests of New Zealand's diverse steel construction industry by promoting the benefits of steel solutions in building and infrastructure projects. Members include manufacturers of structural

steel and steel products, distributors, fabricators, designers, detailers, galvanisers, and paint and building supply companies. SCNZ provides its members with technical advice on the latest in steel design trends and standards, networking opportunities and a representative voice with key industry and government decision-makers. For more information please visit [www.scnz.org](http://www.scnz.org).

*Media release  
12 February 2020*

### For further information contact:

Diandra Cave  
E. [diandra@anthem.co.nz](mailto:diandra@anthem.co.nz)  
M. 021 230 5038







## CONNECTIONS

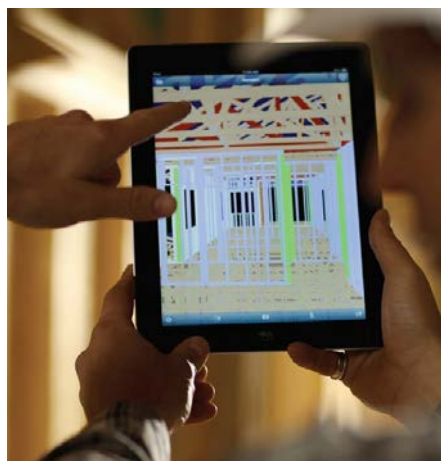
### Why is Timber Frame of a Building so Important?

Timber frames and trusses form the structural 'skeleton' of a building, the very framework upon which almost everything else hangs. This is why MiTek and the frame and truss industry have invested so heavily in advanced software and engineering technology to make sure each job is done right first time.

Over 37,000 dwellings were consented in 2017, and a high percentage of these were for one-off builds unlikely to be repeated. As it forms the crucial structural 'skeleton' of a building, frame and truss components have to be accurate to the millimetre.

To ensure high precision, today's frame and truss designs use advanced computer design techniques, automated manufacturing and innovative fixings to ensure uncompromising accuracy.

The crucial role of the Timber Structural Detailer



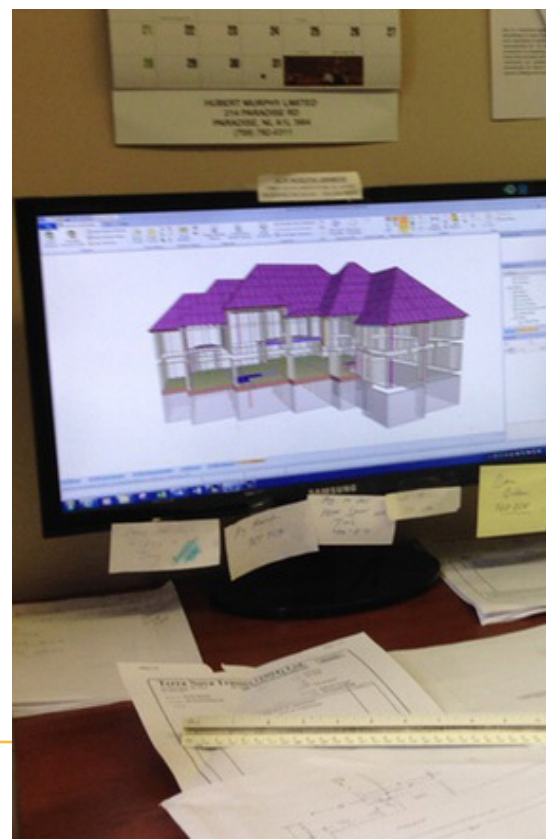
Frame and truss fabricators employ Timber Structure Detailers who turn architects' plans into on-site reality using purpose designed engineering software. They detail the timber roof truss and wall-framing designs from ridge beam to sub-floor for the offsite manufacturing process. MiTek offer a range of free videos that covers the background to the process in simple terms with clear visual explanations. Check them out in our video library: <https://www.mitek.nz.co.nz/services/Video-Library/>

The Timber Structural Detailer identifies the key structural elements using engineering software to calculate loads at various points in the structure, relative to local conditions. For example, structures will be subject to greater loads in different areas of the country depending on whether the location is in a high wind zone, an earthquake prone area or where roofs need to cope with the extra weight of snow.

Detailers also marry up durability and application of fixing solutions

in compliance with NZS3604:2011. The engineering properties, including the stiffness and strength of timber, are incorporated in the frames designed to NZS3604:2011.

Trusses are often specifically designed as alternative solutions with accompanying PS1 and design statements.





All design actions are taken from New Zealand standards and applied to Building Importance Levels 1, 2 & 3.

The entire structure is viewed in terms of the Building Code clauses B1 for the timber framed building of the house and fixings. The roles of the Designer, Fabricator, Structural Detailer and Building Official are all integrated into the framing process to ensure it is correct in every aspect – structurally, practically and regulatory.

Accurate truss layouts must be submitted with Building Consent applications showing fixings, lintel sizing and slab thickening where live and dead loads may be

“  
**... structures will be subject to greater loads in different areas of the country depending on whether the location is in a high wind zone, an earthquake rone area or where roofs need to cope with the extra weight of snow.**  
”



structurally transferred onto the concrete pad in situ.

Load paths will transfer through lintels and studs to floor plates, and slab thickening is considered part of the Building Consent application.

In the context of building and

compliance, the Timber Structural Detailer closely examines all timber frames, trusses and connections to make sure that accurate truss layouts are submitted at the building consent application stage.

Indeed, the detailers' impact on good design and building should never be underestimated. Timber Structural Detailers are continually looking to the future with software functionality for 3D Building Information Modelling (BIM) and the practical requirements of inspection and compliance.

Such as MiTek® Structure™ and MiTek® Viewer™ software solutions.

To see the software visit our website <https://www.mitek.nz.co.nz/software/> or drop Mitek an email at [support@mitek.nz.co.nz](mailto:support@mitek.nz.co.nz)







## BUILDING CONSENT

### **Builders Beware - Court confirms that buildings must be built in accordance with a building consent.**

**A construction company was taken to court in Queenstown after it veered from its resource consent, potentially risking public safety. It tried to say it could not be charged because it already had consent - but failed.**

Section 40 of the Building Act 2004 (the Act) makes it an offence to 'carry out any building work except in accordance with a building consent'. We have always considered this section to respond to two different scenarios:

- a. Where building work is carried out without a building consent at all; and
- b. Where a building consent has been obtained, but the actual building work carried out departs from the works specified by that consent.

In a case we have been assisting Queenstown Lakes District Council with (available for reading on our website here), our interpretation was endorsed by the District Court.

#### **The alleged facts.**

In 2018 Dominion Constructors Limited (Dominion) was involved in the construction of the Kmart building in Queenstown. The work was subject to a building consent.

During construction, the project manager on site allowed the cutting and repositioning of a number of 'starter bars'. Starter bars provide the link between a concrete floor and a concrete wall, and are essential to a building's

structural integrity. This work was carried out contrary to the plans which had formed part of the building consent, and without the oversight of a structural engineer. Queenstown Lakes District Council (council) only became aware of the cutting of the starter bars after an individual involved in the construction blew the whistle. The council received advice that, left unchecked, this posed a risk to public safety.





“

***The whole building process would be fraught with risk of undetected deception. The Building Act was aimed at exactly that situation. Further, allowing a situation where liability arises only upon sign-off or completion would be incredibly dangerous. It would create a situation where some builders may seek to cut costs and corners, resulting in defects that will be hidden by the time of the final inspection.***

”

Given the seriousness of the situation, the council charged Dominion and its project manager under s 40 of the Act. The project manager pleaded guilty and will be sentenced in late March.

However, Dominion sought to have the charge dismissed on the basis that s 40 only applies to situations where someone does illegal building work without a consent at all. As Dominion had a building consent, it argued that there was no case to answer.

Judge Brandts-Giesen dismissed Dominion’s arguments, saying in summary:

- A building consent implies

knowledge and conditions: “the council relies on a consent holder to comply with the building consent, including plans and specifications, and insofar as there is a breach, strict liability applies.”

- Accepting the defendant’s interpretation of the provision would render it ineffectual except in the case where there is no building consent at all.

- “The words of the statute... are and need to be wide enough to include not just the building consent, but compliance with its terms as well at the relevant stages...along the way”.

- When irreversible steps have been taken not in accordance with a consent, and that ‘stage’ of the building work is effectively complete, it is possible for liability to arise.

- The contents of a consent must be complied with. If that were not so:

- An offence may have been committed, even though it was rectified before the building was completed. This is relevant as mitigation but does not mean that an offence has not been committed.

### Take home points

One of the purposes of the Act is



of course to ensure that people who use buildings can do so safely and without endangering their health. Another is to promote the accountability of owners, designers, builders and building consent authorities. The council, as regulator, has an important part to play ensuring that these purposes are met.

Councils have compliance and enforcement tools available and this case endorses the appropriate use of those tools.

Building Act enforcement is becoming more common as our population continues to grow. If you have a compliance question that’s nagging at you, do pick up the phone and call one of our regulatory lawyers at Rice Speir for a confidential chat.

NATHAN SPEIR AND CALEB SMITH – RICE SPEIR

RICE  
SPEIR





## TIMBER

### Timber Design Guides help standardise advice on constructing in timber

**The Wood Processors and Manufacturers' Association (WPMA) has long recognised the need for standardised, good quality information to help the wider construction sector confidently design with and approve timber structures using the many new engineered timber solutions available today.**

Engineered wood turns softer timbers into beams, columns, trusses, portal frames and more that can deliver superior strength, resilience and fire resistance to other materials in the market. The 2011 Canterbury earthquake series and the 2016 Kaikoura events showed that such modern timber construction techniques will allow the built environment to withstand major events including earthquakes and fires comparatively unscathed. Such events have also helped raise awareness within the design community of just how creative it's possible to be with such a "traditional" construction material; something supported by the regular NZ Wood-Resene Timber Design Awards.

"New Zealand is a leader in timber construction," explains Andy Van Houtte, CPeng, Manager for the series of 16 Timber Design Guides. The first of the series was published in 2018, and the final ones will be released later this year.

"New Zealand has a lot of intellectual property around designing in timber," he explains, "and the WPMA is keen to provide a one stop shop for developers, architects, engineers and the wider construction industry, with freely available peer reviewed information. That way, we believe we can provide a clear framework for everyone to understand the relative advantages of different aspects of timber construction, and how to maximise a project's structural integrity and cost effectiveness while still complying with NZ Standards and the NZ Building Code. To be most useful, we need this to be a trans-industry project that provides

a clear path to consenting and construction."

Industry surveys and market research had confirmed which aspects of timber design that professionals were most interested in learning more about. Each Timber Design Guide was then written by a recognised expert in the field and peer reviewed through a highly qualified working group.

The nine topics covered to date include designing for fire safety, designing for prefabrication, the consenting process for timber buildings, how to cost them, standard connection details, how to work safely with prefabricated frames and trusses, explaining the varied properties of timber species, why timber benefits the environment, and timber's social



and health benefits in construction. Under way are explanations of flooring and cassette systems, acoustics, reinforcing timber beams, post and beam timber buildings, construction guidance, and seismic performance of timber buildings.

As they have been completed, the Guides are uploaded to a dedicated website <https://nzwooddesignguides.wpma.org.nz> which allows public access through a log-in function. Ultimately, Van Houtte is hoping for 20,000 registrations; about 90 percent of all New Zealand specifiers. The Guides can be supplied in a printed format but he's finding that most are using the web function as required, and downloading information themselves.

In 2007 the third edition of a single, comprehensive technical manual was announced entitled The Timber Design Guide, published by the New Zealand Timber Industry Federation Inc. and authored by

Andy Buchanan, previously Professor of Timber Engineering at the University of Canterbury. That and its updates (last published in 2015) covered the use of timber and wood products in large buildings through 29 chapters.

Andy Buchanan has authored two of the current NZ Wood Design Guides, and continues to be an inspiration to the development of timber buildings, says Van Houtte.



For further information, contact:

Andy Van Houtte, [design@nzwood.co.nz](mailto:design@nzwood.co.nz)

Debbie Fergie, Wood Processors & Manufacturers' Assn  
[Debbie@wpma.org.nz](mailto:Debbie@wpma.org.nz)







## TIMBER

### 45 Years of Timber Design – from 1975-2020

#### Winners announced for 2020 NZ Wood-Resene Timber Design Awards

From revolutionary building designs with the potential to change the way architects and engineers use timber to a brand new, flexible organic material developed from balsa wood that's significantly stronger and more transparent than the original, the NZ Wood-Resene Timber Design Awards once again showcased just what can be done with wood in New Zealand.

"The range and innovation demonstrated by entries increases every time and this year, with new and revised categories, these qualities have been in evidence even more," said judges on March 26.

The planned gala event to announce all winning and highly commended entries was regrettably cancelled following Covid-19 recommendations from the Ministry of Health. This has of course been a huge blow to organisers, sponsors, finalists and all ancillary staff.

The Resene Overall Supreme Award went to the Tuarangi Road, Auckland home "Outaspace," from TOA Architects. Judges commented that this build showcased how well timber can be used to provide structural strength while providing warmth and thermal mass - and integrate sympathetically with other structural elements on a challenging site.

Highly Commended was Lindis Lodge in Omarama, Otago, submitted by Architecture Workshop. The unique design of the topographic roof curves especially impressed judges, who commented particularly on the way the screw laminated gum worked with the steel beams. "The designers showed a great understanding of timber architecture and engineering, allowing grace and technology to intertwine," they said.

The Student Innovation Award went to Adam Clark of Victoria University

Wellington for his design Te Whare Wananga o Nga Mahi Auaha. "Strong conceptual thinking has been developed into an adventurous, well considered building which explores the connection between land, sea and sky, and honours Maori culture," said judges.

Highly Commended was Dorien Viliamu from the University of Auckland for his installation The Vakas of the Great Fleet. Judges felt the design blends together elements of the traditional Rarotongan vaka and fare and as a result forms, spaces and volumes sensitively connect with nature.

The eleven categories covered everything from residential and commercial construction to engineering and specialty timber applications and innovation, with revised criteria and expanded categories allowing more entries into relevant categories.

Entrants submitted an especially exciting range of designs this

season, says Wood Processors and Manufacturers Association's (WPMA)'s Promotions Manager Debbie Fergie. "Timber design has been formally celebrated through these awards for 45 years now, and each time judges see new and increasingly innovative ways to employ timber. The sheer volume and excellent quality of such diverse work makes it very challenging for our judges!"

The awards this year were judged by New Zealand Institute of Architects' president Tim Melville, New Zealand Timber Design Society president David Carradine, sustainable architect at Scion Andrea Stocchero, and NZ Wood Design Guides' manager Andy van Houtte.

"We have some fantastic finalists and winners who are pushing wood-based design to new levels," commented WPMA's CEO Jon Tanner when announcing the forced cancellation of the gala event announcing the winners. "We will [also] continue to build on the high degree of interest already shown in our NZ Wood Design Guide Series." The next Timber Design Awards event will be held in September 2021, with entries called in March 2021 for projects completed between 1 July 2019 to 28 February 2020.

For more information on individual entries:

Debbie Fergie  
[Debbie@wpma.org.nz](mailto:Debbie@wpma.org.nz)  
+6421-807 002

Corrie Cook  
[corrie@amcltd.co.nz](mailto:corrie@amcltd.co.nz)  
+6421-632 906



**Free assessments**  
**Excellent success rates**

**Rebecca 021 535 105**  
**Helen 021 026 32134**

**LICENSED IMMIGRATION ADVISERS**  
**[admin@nzvisaconnections.com](mailto:admin@nzvisaconnections.com)**

**Immigration help for  
Employers and Individuals**



**[nzvisaconnections.com](http://nzvisaconnections.com)**



A high-angle photograph of a construction site. Two workers in safety gear are visible. One worker in a blue cap and yellow vest is operating a table saw, cutting a piece of wood. Another worker in a white cap and orange vest stands nearby. The ground is covered with various timber planks and construction materials. A red excavator is partially visible on the left.

## TIMBER DESIGN AWARDS

Winning and Highly Commended entries in 2020 NZ Wood-Resene Timber Design Awards

### Resene Supreme Award



**Tuarangi Rd 'Outaspace' Auckland: TOA Architects © David Straight**

Judges' comments: This impressive integration of timber material with manufacturing precision shows designers what can be done with modern timber materials if they are not afraid to try something new.

### Highly Commended



**Lindis Lodge, Omarama, Otago: Architecture Workshop © Patrick Reynolds**

Judges' comments: The exquisite architecture, interior design and attention to detail elevates Lindis Lodge to the cusp of design where architecture and engineering fuse - much like the interior and exterior spaces created.



# Residential Design Awards

**For the use of timber and wood-based products as a signature feature resulting in excellent design of residential buildings, either stand-alone or multi-unit/multi-storey.**

**Sponsored by: Futurebuild Ltd**

## Winner



**Tuarangi Rd 'Outaspace' Auckland: TOA Architects © David Straight**

Judges' comments: This impressive integration of timber material with manufacturing precision shows designers what can be done with modern timber materials if they are not afraid to try something new.

## Highly Commended



**Arvida Living Well, Parklane Christchurch: Jasmax**

Judges' comments: Using biophilic design principles to introduce natural materials has helped to create a sense of community in a complex that celebrates environmental sustainability and innovative building systems.

---

# Commercial Design Award

**For the use of timber and wood-based products as a signature feature resulting in excellent design of commercial, industrial, hospitality, retail or office buildings.**

**Sponsored by: TimberLab Solutions Ltd**

## Winner



**Botany Toyota, Auckland: Woodhams Meikle Zhan Architects and Blueprint Consulting Engineers © WMZA & Michael Ng**

Judges' comments: Timber products were chosen for their ability to enhance both the workplace and visitor experience. The portal frame structure is practical, simple and elegant and demonstrates the flexibility of engineered timber.

## Joint Highly Commended



**Auckland Zoo Administration Building: Ignite Architects © Simon Devitt**

Judges' comments: Exterior cedar fins provide passive solar control and some safety for in-flight birds, and the floating CLT floor reminds us what timber is capable of, and how its light weight can be capitalised upon.

## Joint Highly Commended



**Haus Espresso, Christchurch: Dalman Architects © Jamie Armstrong**

Judges' comments: Afloat on a sea of asphalt, this simple and smart coffee kiosk uses timber components to maximum effect. Careful design creates a feeling of space on a very modest site

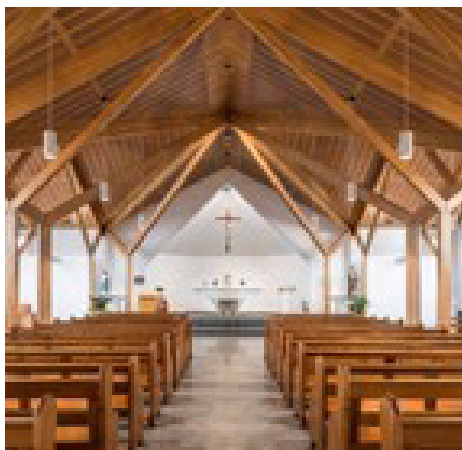
---

## Public Design Award

**For the use of timber and wood-based products as a signature feature resulting in excellent design of public buildings such as community, religious, education, healthcare and transport.**

**Sponsored by: XLam NZ Ltd**

## Winner



**St Patrick's Church, Lincoln (Canterbury): WSP Opus © Stephen Goodenough**

Judges' comments: This sensitive design references traditional church architecture, helping to preserve the memory of the building it's replaced. The 3D timber roof and column support system contrasts with the precast concrete base walls and the repurposed timber altar and pews.



## Highly Commended



### **Star Mountain Plaza, Papua New Guinea: Kirk Roberts Consulting**

Judges' comments: BIM modelling and coordination allows for smooth, accurate manufacture and efficient assembly on the remote site. A high degree of expertise was required to deliver the complex 29 metre clear span glulam arch portal frame.

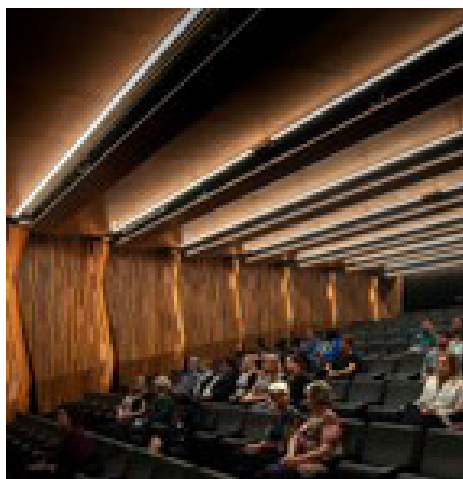
---

## Interior Design Award

**For the use of timber and wood-based products as a signature feature resulting in distinctive interior designs delivering ambiance, flair and practicality.**

**Sponsored by: Woodspan Ltd**

## Winner



### **National Library Auditorium, Wellington: Warren & Mahoney © Andy Spain**

Judges' comments: Taiwhanga Kauhau is designed to be an 'instrument for the voice,' and it plays with light and darkness as much as with sound and silence. Wood's unique properties create a fascinating space in which to observe performances and presentations.

## Highly Commended



### **Lara Lane, Kaiwaka, Rodney: Box Build Ltd**

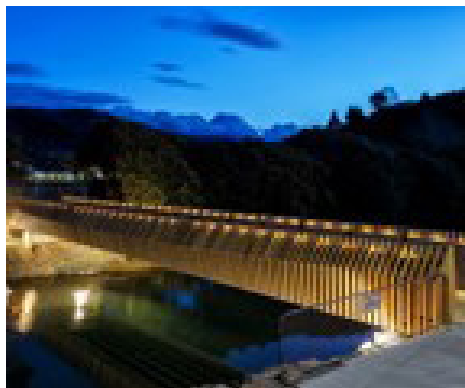
Judges' comments: Thoughtfully selected and treated solid and engineered wood products allow junction lines to orient and blend, not divide spaces. Different timber coatings and treatments help light to bounce and create interesting contrasts.

## Exterior Structure Design Award

For the use of timber and wood-based products as a signature feature resulting in designs of exterior structures and features such as bridges, pavilions, walkways, landscaping, exterior furniture and exterior art.

Sponsored by: Forest Stewardship Council NZ (FSC)

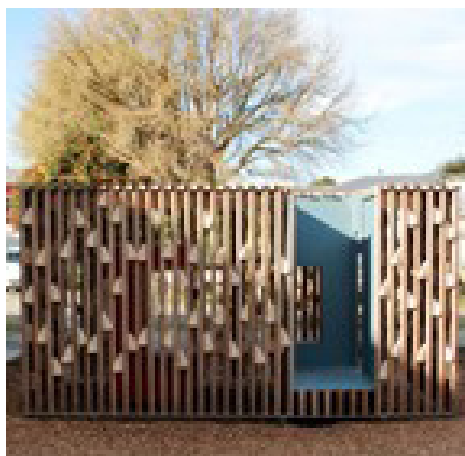
### Winner



**Saltwater Creek Cycleway Bridge, Nelson: Jerram Tocker Barron Architects © Virginia Woolf**

Judges' comments: The designers' material choice and component synthesis ensure the result is a beautiful and long-lasting structure. The angular timber slats reference a waka hull, and evoke a real sense of movement.

### Highly Commended



**Saltwater Creek Cycleway Bridge, Nelson: Jerram Tocker Barron Architects © Virginia Woolf**

Judges' comments: The designers' material choice and component synthesis ensure the result is a beautiful and long-lasting structure. The angular timber slats reference a waka hull, and evoke a real sense of movement.

---

## Student Design Award

For third year student work submitted throughout the year, as selected by each University. NZ Timber Design Award judges then select a winner and highly commended entry, and the two finalists receive an all-expenses trip to make short presentations at the Awards.

Sponsored by Juken Ltd

### Winner



**Te Whare Wānanga o Nga Mahi Auaha, Adam Clark, Victoria University of Wellington**

Judges' comments: Strong conceptual thinking has been developed into an adventurous, well considered building which explores the connection between land, sea, sky and Wellington's taniwha. Timber use has developed interesting interior and exterior experiences for visitors and users of the building.



## Highly Commended



### **The Vakas of the Great Fleet, Dorien Viliamu, University of Auckland**

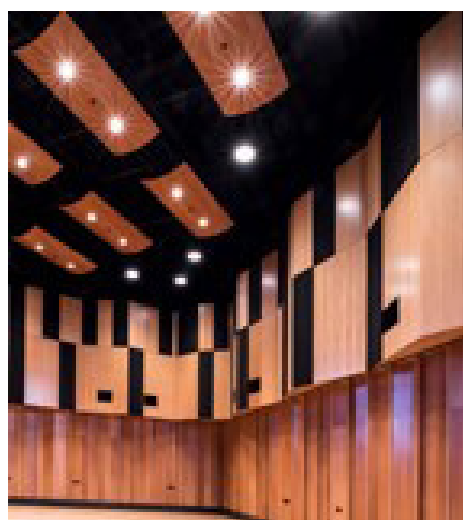
Judges' comments: The project integrates different buildings and landscape features, offering a modern reinterpretation of Polynesian culture and its relationship with the natural environment. Timber elevates this union between architecture, craftsmanship and natural materials.

---

## NZ Speciality Timber Award

**For the use of NZ-grown alternative species (excludes Douglas Fir and Radiata Pine).  
Sponsored by: NZ Farm Forestry Association**

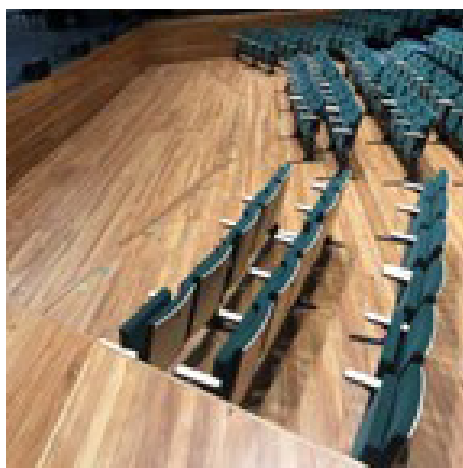
## Winner



### **Ron Ball Studio, CSO Centre, Christchurch Town Hall: Warren & Mahoney © Stephen Goodenough, Simon Laurie**

Judges' comments: The rich warmth of Southland Beech coupled with the acoustic wall detailing makes the Ron Ball Studio a unique space. The design merges acoustic engineering and architecture to create an intimate shrine to music people will be reluctant to leave.

## Highly Commended



### **Rimu floor, James Hay Theatre, Christchurch Town Hall: Timbers of New Zealand © Simon Laurie**

Judges' comments: Using beautiful, native and sustainably harvested Westland rimu helps preserve an icon of our built heritage, and helps the Town Hall itself transition into the future. Now, both can live on to create further history for New Zealand.

# Sustainable Development Award (new)

**For the use of timber and wood-based products in projects that are achieving low environmental impact and enhancing New Zealand's unique society and environment.**

**Sponsored by: Scion Research**

## Winner



**Boat Shed, Lyttleton: Christchurch City Council © Julie Villard, Kirsten Sheppard**

Judges' comments: This NZ Green Building Council 9 star Homestar building proves sustainability is achievable. This project pioneers the use of wood fibre insulation (WFI) in New Zealand, which has been applied to the exterior of the CLT structure for an optimised hygrothermal (heat and moisture flows) performance.

## Highly Commended



**Arvida Living Well, Park Lane Christchurch: Jasmax**

Judges' comments: This retirement project creates a comprehensively considered sustainability approach to the build. Its large bulk of CLT stores 1,131 tonnes of CO2 in its structure, and the design principles include biophilic design, wellness focused architecture and high energy efficiency.

---

# Engineering Innovation Award

**For timber engineering solutions, processes and integrated team collaborative approaches that deliver innovative buildings.**

**Sponsored by: NZ Timber Design Society**

## Winner



**Lindis Lodge, Omarama, Otago: Architecture Workshop © Patrick Reynolds**

Judges' comments: A high level of collaboration, knowledge blending, and ingenuity have achieved efficient and effective structural solutions. Screw-laminated spotted gum forms a hybrid gridshell in unison with the steel beams, forming the topographic curves of the roof.



## Highly Commended



**Waihinga Martinborough Community Centre, Wairarapa: Holmes Consulting © Andy Spain**

Judges' comments: This Centre is a wonderful example of combining heritage and contemporary architecture sympathetically. The engineered glulam truss roof, LVL purlins supporting a plywood diaphragm and the timber batten cladding create a distinctive and unifying façade.

---

## Wood & Fibre Products & Technology Innovation Award

**For the development of novel wood, wood fibre and derived products, or for novel technology and process development, or original application of existing technology and processes.**

**Sponsored by: PEFC**

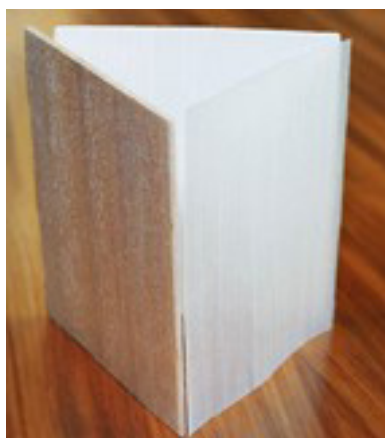
## Winner



**Smith house roof, Queenstown: Potius Building Systems Ltd**

Judges' comments: A simple and effective prefabricated building system was used for a complex roof design that was originally designed in concrete. The timber-based components meant a system that met the needs of the building and permitted rapid construction could be developed.

## Highly Commended



**Ultra-strong, transparent flexible wood, Rotorua: Scion Research © Scion**

Judges' comments: This remarkable new material has the potential to be used in a variety of applications and could conceivably replace petroleum-based plastics in many applications, thereby reducing carbon emissions and dependence on non-degradable polymers.

# Engineered Wood Products Innovation Award

For pushing the future boundaries of EWP and showing innovation such as Design for Manufacture and Assembly (DfMA), technical performance, novel use, aesthetics etc.

Sponsored by: Nelson Pine Industries Ltd

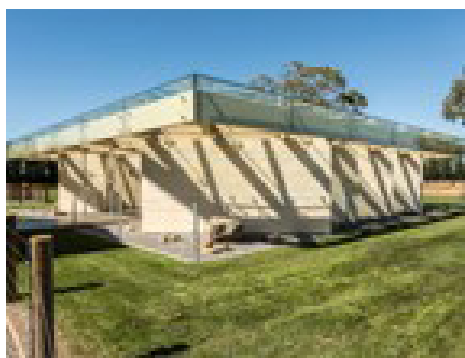
## Winner



### Concision house, Christchurch: Concision Panelised Technology

Judges' comments: The designers exhibited a comprehensive understanding of where engineered wood products can be used to maximise their efficiency and potential. This enabled a remarkable speed of manufacturing and on-site assembly, combined with high quality control.

## Highly Commended



### Farmers Corner Pavilion, Ashburton: PTL Consultants, Architype, Quaid Construction, Techlam NZ

Judges' comments: A Design for Manufacture and Assembly process which included innovative hidden connections, effective construction sequencing and a very high dimensional tolerance resulted in a roof structure that appears to hang in the air. It beautifully blends aesthetic with function.



The Ryanfire SL Collar, tested and approved on various service penetrations through fire-rated walls, floors and ceilings.

Contact Ryanfire for more info or check out our website at:

**[www.ryanfire.co.nz](http://www.ryanfire.co.nz)**





## LEGAL

# Q

**In the building industry suppliers of goods can have the upper hand when it comes to payment terms and conditions. In some cases, can the late payment of a debt attract interest and penalties?**

When a demand for payment of a debt includes a claim for interest it is important to ensure that the claimant is entitled to claim such interest.

The Interest on Money Claims Act 2016 came into force on 1 January 2018. The Act governs how much interest can be awarded by a Court in the event one party issues a claim for the repayment of a “money judgment”, which is a judgment or order made by a court in a civil proceeding that requires financial payment, so a civil debt. Claims issued prior to 1 January 2018 interest is governed by the sections 62B and 65A of the District Courts Act 1947.

A general summary of the Act which can be helpful to understand your rights as both a debtor and a claimant:

- If there is no contract, or the contract is silent on the issue of interest, then interest can be claimed as of right from the date of default until the date of payment;
- The default rate of interest is currently 5% per annum (subject to change by regulation);
- Compounding interest prescribed by the contract will be awarded where the contract provides for it;
- Interest will not applied to the claimant's legal costs until they are awarded by the Court;
- Interest will only be awarded for a claim on the debt itself. So penalties will not attract interest;

- There is a helpful calculator provided on the Ministry of Justice' website:

- <https://www.justice.govt.nz/fines/civil-debt-interest-calculator/>

Importantly if a debt is 6 years old or more then it can't be enforced without the leave of the Court or unless the debtor has paid an amount towards the debt in the last 6 years.

Obviously not all debts are taken to Court but the Act sets parties expectations for private or out of Court settlements. So when making a demand for payment or addressing a demand for payment consider the terms of the contract carefully and the Act to ensure you get what you are entitled to or only pay what you have to pay.

MELISSA RUSSEL  
SPECIAL COUNSEL - RICE SPEIR

RICE  
SPEIR

# BE THE EXPERT SHARE YOUR INSIGHT

**STRAIGHT  
UP**

THE MAGAZINE OF THE  
BUILDING OFFICIALS INSTITUTE  
OF NEW ZEALAND

Autumn 2020



## THE **WORKING** FROM HOME ISSUE

COVID-19

Mental Health

BOINZ Board Nominees

Timber Design Awards

### Contribute to Straight Up

Send your opinion piece, technical article or ideas for content  
to [marketing@boinz.org.nz](mailto:marketing@boinz.org.nz)