

Summer 2020/2021

Spotlight on a Member - Ana Coleman

BOINZ TV 'Breakfast with BOINZ'

People on the Move

Building Performance

THE RECHARGE ISSUE





BREAKFAST WITH BOINZ



BOINZ is excited to introduce BOINZ TV and our new dedicated industry TV show Breakfast with BOINZ.

Breakfast with BOINZ is a new fortnightly virtual 30minute TV show providing a unique communication channel across the Building Industry sharing current and relevant information direct to our members.

With an 8:30am start time, you can settle in with a hot cuppa or smoothie and enjoy news and interviews from across the country (and the world).

Streaming dates for 2021

8:30am Thursday 28 January, 8:30am Thursday 11 February
8:30am Thursday 25 February, 8:30am Thursday 11 March

For more information visit www.boinz.org.nz

Our contributors

Board

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Jacqui Neilson

National Accreditation Division

Nicola Hakes

Membership Relations Coordinator

Henry Cassin

HR Division Manager

Michelle Te Ohaere

Executive Assistant

Vivian Menard

Advertising/Editorial Contractors

Advertising/Editorial

Please contact the Building Officials Institute's National Office via

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

Your Board:



Peter Laurenson
President



Wayne Goodfellow
Vice President



Karel Boakes



Jeff Fahrensohn



Cory Lang



Phil Saunders



Daniel Scheibmair



Nick Hill
Chief Executive

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Peter Laurensen -
BOINZ Board President

MESSAGE FROM OUR PRESIDENT

BUILDING SURVEYING – PROFESSIONALISM IS ABOUT BELONGING, LEARNING AND COLLABORATING

Our sector is far too complex and dynamic to not challenge our thinking and skills on a daily basis. Our work environment is one area where stimulus and knowledge accrue. But the real independent and broad learning environment is the domain of the Institute.

Over the years it is the Institute that has driven change, education, training, networking and collegiality within building surveying. In 1967 we founded your "professional home", and we have held branch meetings and events since which has delivered information to allow you to better understand and do your jobs. Along the way we drove the qualification needs and outcomes as well as developing the course material. We created the processes for New Zealand's largest "event" response ("operation suburb" in Christchurch), so successfully we were cloned by the regulator's in-house process. We have worked tirelessly to improve the remuneration for what we do and of course we contribute to bettering our legislative suite.

And now we are challenging the paradigms of information delivery with the launch of BOINZ TV's Breakfast with BOINZ fortnightly half hour news, review, people and connection show that will keep you posted on what's hot and new in building and construction.

With so much happening and so quickly, your Institute must be the professional organisation you identify with if you guard the sanctity and safety of your career. BOINZ has been the leader, seed sower and protector of everything building surveying in New Zealand. With the most extraordinary year almost behind us, we go into 2021 with fresh eyes, new experiences and a vision to make your role even more important in the eyes of your employer and the public. Building and Construction needs your professionalism and BOINZ needs your collective input and support – Together we are stronger and more effective, and in today's environment, the most needed link in the build and construction chain.

Professionalism is fundamental to building surveying. After all we work in one of the most complex, demanding, and multi-faceted sectors; a sector that requires stringent observation, assessment, and reporting.

As professionals we have a commitment to self-monitor and improve. We also need a set of virtues and ethics that create expectations and behaviours in others of their roles and responsibilities. A big part of what we do on a day to day basis is creating effective relationships that ensures those we deal with

understand the context and realities of our expectations and requirements.

Our workplace environment is highly influential, and we must not lose sight of taking industry with us on the journey to compliance and quality delivery. The personal touch is important, but we know it is also important to stick to our guns should an outcome be questionable or faulty.

If you have been a member over the last 10 years you will have noticed a determined and strident move to professionalise our membership by your Institute. This has been deliberate, after all we are leaders, both technically and behaviourally, and to exhibit anything that isn't above the bar we set ourselves should give rise to you pushing your 'reset button'.

There are many ways to achieve a reset, but the clever approach is to avoid it through continual professional development. Some years ago, 2015 in fact, the Institute strengthened its licenced members and accredited members. This was and still is a proud achievement, as it recognised relevant qualifications of those members working across building surveying whether it be building control, pre purchase inspection or specialist inspection.

Both categories require a CPD commitment, and it is this commitment that sets you and your skills above others, gains respect from the sector and the public we serve.

Gone are the days where we were comfortable resting on the laurels of a qualification we got 2, 5, 10, or 15 years ago.

During the Christmas break, think about the value your membership provides and what you can contribute.

I wish you a very Merry Christmas and Happy New Year on behalf of the Board and look forward to seeing you in 2021.

Kind Regards,

Peter Laurenson
President



BOINZ National Office Christmas Hours

The BOINZ National Office will be closed from Wednesday 23rd December until Monday 18th January 2021.

Happy holidays from all of us!



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BREAKFAST WITH BOINZ

INTRODUCING BREAKFAST WITH BOINZ

Breakfast with BOINZ is a new fortnightly virtual 30minute TV show providing a unique communication channel across the Building Industry sharing current and relevant information.

Breakfast with BOINZ

Breakfast with BOINZ is a live, internet-streaming TV show providing a fortnightly, fast-paced 30-minutes as a unique communications channel for the Building Industry and a direct conduit to our members and wider industry stakeholders.

BOINZ TV will be streaming every second Thursday morning at 8:30am. In the lead up to each episode, we will email out a reminder so you can pop it in your calendar and ensure you don't miss out.

We are excited to provide this new platform and opportunity for the industry to connect and share information in one place. The content will be valuable, informative and relevant to all of our members.

Episode 1 launched this week!

We are very excited to have officially launched our inaugural episode of Breakfast with BOINZ this week. We had some fantastic guests with great stories. We were thrilled to showcase people such as Sam Alavi from Future Skills and Graham Burke from the NZ Construction Industry Council, among other wonderful guests and industry services.

We want to interview you!

We want your breaking news, hot topics, new innovations and ideas. Opportunities exist for pre-recorded and live interviews. Expand and inform the viewers knowledge, while at the same time presenting your brand front and centre. It's time to stand out.

We want your suggestions for content

Our members are pivotal to the success of this new endeavour and we want your input.

If you have content suggestions, please email boinztv@boinz.org.nz



Your host and team

Greg Ward is the main host of Breakfast with BOINZ. As an event, TV and stage professional, Greg's 25+ years of experience means he knows how to get the best from his guests.

Streaming dates for 2021

Episode 2 - 8:30am Thursday 28 January

Episode 3 - 8:30am Thursday 11 February

Episode 4 - 8:30am Thursday 25 February



MBIE

MBIE BUILDING PERFORMANCE WRAPS UP THE YEAR

As we wrap up 2020, and look forward towards 2021, there's a lot of exciting things happening in the Building Performance team that we wanted to share with you.

Building Consent Authorities Webinar Series

In early December, we ran our first webinar specifically for building consent authorities, which we plan to deliver quarterly, with the next one planned for March. The aim of this series is to give councils a chance to hear from us directly about the work we are doing on a regular basis and provide an opportunity for councils to ask us any questions. This first webinar featured staff from across the building space at MBIE and covered some of the key issues facing councils right now.

If you'd like to join our next webinar, please contact us at buildingfeedback@mbie.govt.nz

Building Performance and GNS Webinars

The National Seismic Hazard Model (NSHM) is a collection of many different models that are combined together to estimate future earthquake shaking in New Zealand.

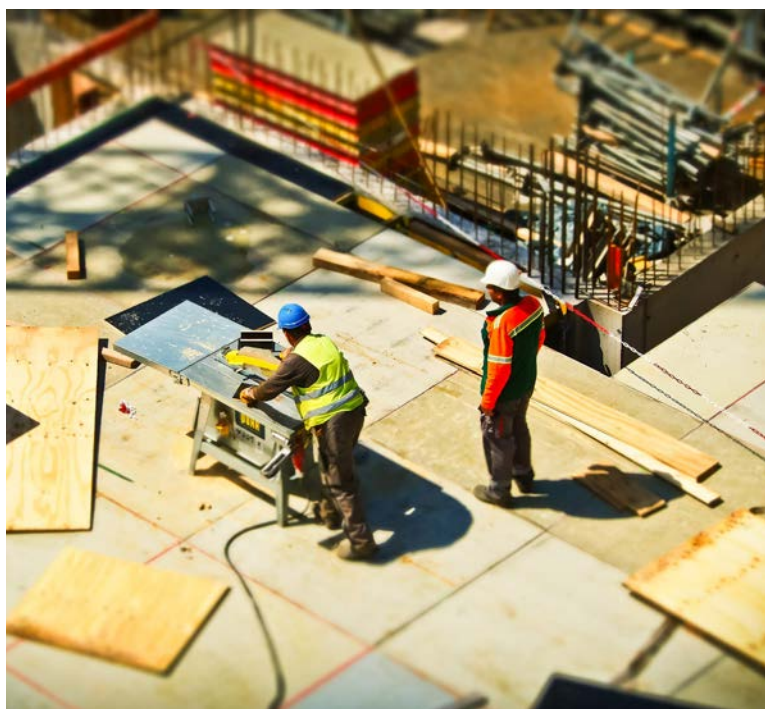
The model is currently being revised through a joint project between GNS Science, MBIE and the Earthquake Commission (EQC). The updated model will reflect advancements in scientific knowledge and international best practice.

We've recently run two webinars with GNS on the National Seismic Hazard Model revision project. There will be further chances to get involved and learn more about the update in 2021, so stay tuned. In the meantime, [you can learn more about the revision project](#) on the [GNS website](#), or [watch the November webinar](#).

Building Code Update

The next update of Building Code will focus on making buildings more energy efficient, healthier and warmer. A public consultation will be available from April and we'd love your view on what's proposed to help us improve the minimum standards for energy efficiency. These proposed changes are part of the Building for Climate Change programme as well as medium density housing and HD8 programmes.

[Learn more about our Building Code update programme](#)



WHAT'S ON @ BOINZ

Training Academy Calendar January - March 2021

January

22 Jan	Writing Skills for Building Control Officers	Online
27 Jan	Intro to BWoFs and Specified Systems	Online
28 Jan	NZHHA Solid Fuel Heating	Queenstown

February

3 Feb	TA004 Accreditation	Christchurch
11-12 Feb	TA020 Fire Documents	Queenstown
15-17 Feb	TA024 Investigative Training	Christchurch
17 Feb	TA010 Light Steel Frame	Wellington
22-26 Feb	TA019 Plumbing and Drainage Compliance	Auckland
24 Feb	ADV005 Difficult Consent	Nelson
26 Feb	Intro to BWoFs and Specified Systems	Online

March

1 Mar	ADV027 ANARP workshop	Dunedin
1-2 Mar	TA020 Fire Documents	Auckland
3 Mar	TA018 Piped Services and Waste	Christchurch
10 Mar	ADV005 Difficult to Consent	Auckland
11 Mar	NZHHA Solid Fuel Heating	Christchurch
11-12 Mar	TA012 H1 Energy Efficiency	Dunedin
15-17 Mar	TA002 Building Controls	Auckland
29-30 Mar	TA017 Services and Facilities	Hamilton
29 Mar	ADV020 Advanced Fire	Hamilton
29-31 Mar	TA022 BWoF and Specified Systems	Wellington

**course dates and locations subject to change*

UPCOMING BRANCH MEETINGS

**Subject to change; Branch meeting notices will be sent out closer to the time of the event with further details*

Canterbury/Westland Branch

26th January
9th March
27th April

Waikato/Bay of Plenty

26th February
28th May

Auckland Branch

3rd March
21st April

Southern Branch

12th March
30th July

Nelson/Marlborough Branch

17th February (virtual)
21st April (Blenheim)
16th June (virtual)
18th August (Nelson or Richmond)
20th October (virtual)
1st December (AGM)
(Nelson or Richmond)

Check with your Branch Chair if your branch is not featured above.



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



BRANCH MEETINGS

BOINZ Membership

As the BOINZ Membership Relations Coordinator, I am often asked “what is the value of BOINZ membership?”

I will be honest, that can be a tough question to answer. How can I explain everything BOINZ does for you in the space of a short 30-second elevator pitch? You ask the question, and my mind starts whizzing.

“Okay” I think to myself, “do they want to hear about the hundreds of hours spent every month on advocacy, and how we work to shape the industry into a more professional environment for our members? Maybe they would like to hear about our annual Conference and Senior Building Control Officers Forum, or perhaps they want to know about the savings on our BOINZ training courses and member exclusive discounts through the BOINZ app?”

It can be tough, I have you on the phone for a short period of time, but if I were to explain every reason why it's insane you aren't a member yet...well we would need an hour at least.

So, after nearly two years in this role, here is my best answer: Branch Training and Networking Events.

Branch Training and Networking Events are the best way of combining everything BOINZ has to offer into one place.

Each Branch has an Executive team of members who work voluntarily and incredibly hard to ensure each meeting is memorable and engaging for you. They work tirelessly to invite speakers with in-depth industry knowledge, create site visits of building works and factories, and provide a venue for networking events where you can meet and speak with like minded members to grow your personal connections and skills.

Best yet, these are not meetings for just anyone to wander into. These are ‘member only’ exclusive events that are completely free for you to attend. Now that is a great deal if you ask me.

That's not enough information for you? Oh, I see, you want me to fill up a full page in a magazine.

Okay, let's talk some of the work these Branches are doing.

Auckland

Over the last year, the Auckland Branch Executive has moved from a team of three executive members, to a dedicated team of twelve. Branch Chair Richard Fromont and Secretary Hasan Shueb have broken this team into three subgroups, each focusing on a different aspect of their meetings: Technical (speakers, site visits and presentations), Meetings (dates and venues) and Fun (woohoo).

Boy did they hit the ground running, especially considering their first meeting as a team was virtually during the second lockdown in Auckland (curse this COVID-19 nonsense). Their next order of business created a format for rotating venues instead of exclusively using Alexandra Park. Now there is a new location for every single meeting. This means members from across the Auckland region now have an opportunity to access the meetings where previously they would not have been able. Finally, the team reinstated and organised site visits for 2021. Site visits haven't been completed in Auckland for years, what a team!

Waikato/Bay of Plenty

The Waikato/Bay of Plenty Branch find the roots of their branch structure by mirroring BOINZ National Office. Holding positions who focus on Membership,

Training, Events, Chairing (Terrence Hayes) and the Secretary (Dave Thompson) roles, respectively. Their biggest claim to fame is being the only Branch with a recurring sponsorship provided by REDSTAG Timber.

Every year, this Branch puts together four wonderful full day branch meetings. Their most recent holding a site visit to Waikeria Prison (one of the most advanced prison builds in the country!) followed by a trip to Te Awamutu RSA for an afternoon of round robin presentations hosted by EBOSS.

Canterbury/Westland

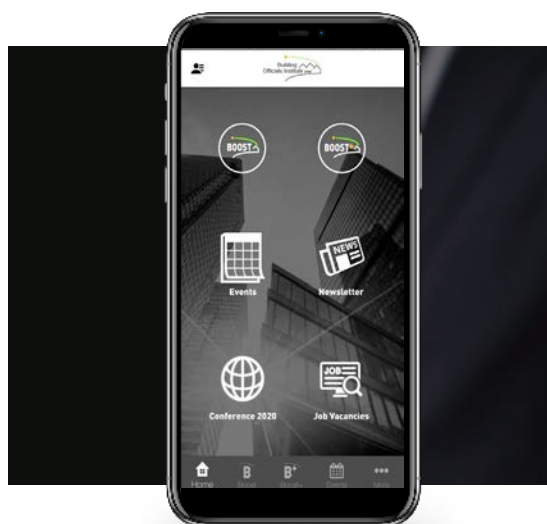
The Canterbury/Westland Branch does it all with just two members of the Executive Team: Chair Jennifer Clarke and Secretary Liz Ashwin. These two pack

a punch and aim to have a site visit at almost every single Branch meeting. Previously visiting the building site for Te Pae Christchurch Convention Centre and now holding their AGM at The International Antarctic Centre to hear from Simon Shelton on the Scott Base Redevelopment Project before networking in the Exhibition Gallery and visiting the Storm Dome.

If I had more time (and paper space), I could talk about every single Branch and the amazing work they are currently doing for BOINZ members in their free time.

With all this in mind, is there any doubt in your mind on becoming a member?

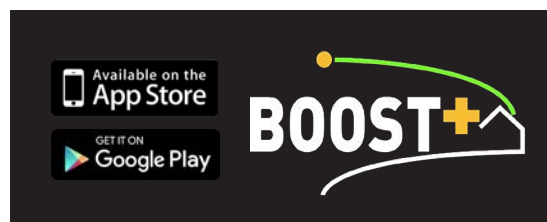
Henry Cassin
Membership Relations Coordinator



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SPOTLIGHT ON A MEMBER

Ana Coleman

Ana is a Building Control Manager in the Westland District Council. We have put the spotlight on Ana to highlight her career journey and what she loves most about the industry and her district

How long have you been working in Building Control?

I have been involved in building control for what seems like a lifetime, of 22 years!

Tell us about your pathway into the industry?

I started with Westland District Council in 1996 as a Junior Admin Officer and back up to the Building Administrator. In 1998 I was appointed the Building Administrator role which gave me an understanding of the admin side to building. In 2001 I moved to Nelson to work for the Building Department at Nelson City Council,

where my manager encouraged me to enrol in Construction Management with the open polytechnic. This was enough to spark my interest in processing building consents and undertaking inspections which I really enjoyed.

After 12 years and an experience with building certifying, I returned to the West Coast and Westland District Council as a processor and then progressed into the quality and accreditation role, before finally taking over as Building Control Manager in June 2020.

What has been the highlight of your career so far?

Definitely working with some amazingly talented, passionate and like-minded building people, who have been happy to share their knowledge and time with me. Also reflecting back, as I started out as an administrator, it's been a lot of hard work and I've progressed my way through the stages to Building Control Manager, which is something I'm proud of.

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

I have definitely seen a lot of change over the years. Things are constantly changing and evolving in our industry. One of the changes I would like to see moving forward is a review of the Building Act to reflect the construction of today and to ensure everything is relevant and clear to all users and to the Compliance Schedule Handbook.

What is your favourite thing about the Westland District and what do you do outside of work?

I'm based in Hokitika which has so much character and an amazing supportive community. It's definitely the lifestyle of Westland that I love and the opportunity to live in the outdoors with so much on our doorstep, which fits so well into some of my favourite activities I can do with my family, such as horses, dirt bikes and boating.



You attended the SBCO conference last year. What value have you found in face to face meetings in our industry?

The opportunity for networking at these conferences is invaluable, as well as seeing new practises or products to the market. It's a great way to meet other industry professionals.

Tell us your thoughts on the value of sending your staff on our training courses?

Training is so important as it gives staff the ability to be able to develop and grow their knowledge and strengths and to be more effective in the workplace. This benefits not only the staff member but the industry as a whole and increases productivity in your organisation.

What advice would you give to someone just starting their career in Building Control?

There's so much ability to progress in this industry so work hard and take the opportunities as they arise. It is a great industry to be involved in and you can add a lot of positive benefit.



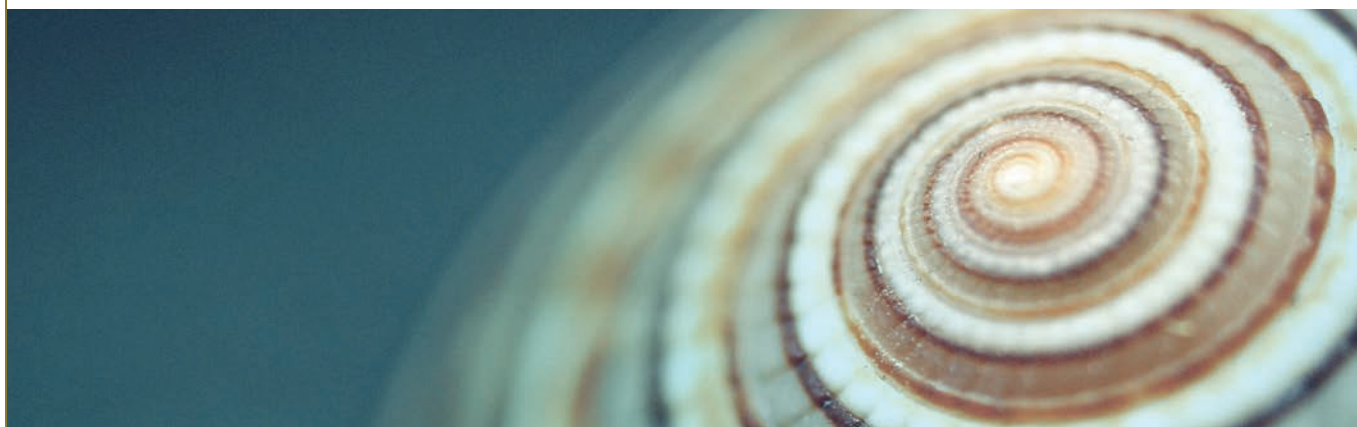
KNOW SOMEONE WHO DESERVES THE SPOTLIGHT?

If you're interested in talking to us for future issues or you know of someone who is doing great work within the industry and deserves to have the spotlight on them, please email marketing@boinz.org.nz



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BCA VOLUNTEERS WANTED TO TAKE PART IN BRANZ HIGH PERFORMANCE ASSEMBLIES PROJECT

The ultimate goal of the BRANZ “High Performance Assemblies” project currently underway is to help the New Zealand construction industry deliver higher performance buildings. As part of the project we’re asking BCAs to take part in workshops and interviews so we can get a clear picture of the barriers to improved performance and how we might help the industry do better.

New Zealand has many older buildings which occupants struggle to keep warm, dry and healthy. While our newer buildings are better, there is still a lot that can be done to improve the outcomes for occupants.

There are sectors of industry constructing high performance buildings. However, feedback suggests that getting some of these structures built takes more work than it should.

The BRANZ project is taking a case study approach to understand the issues that cause consenting delays and/or compromise the as-built performance of buildings that aim

to go above typical acceptable solutions.

Understanding the barriers is crucial for the industry to deliver high performance buildings at scale, and the better we understand the issues the easier it will be to meet the objectives of MBIE’s Building for Climate Change Programme.

We want to find out the level of detail BCAs need in consent applications to satisfy their risk concerns, given their exposure to joint and several liability. This will be compared with what the industry is providing. From here, a plan for education activities to bridge the gap between both parties will be created and tested with stakeholders.

There will usually be more than one layer of insulation in high performance buildings, along with multiple other layers like air barriers or vapour control layers. As these are not familiar to most of the industry there is a level of risk aversion anticipated.

The most prominent concerns identified so far are moisture accumulation in construction systems (interstitial condensation) and structural issues where the design has deviated from typical 3604 construction. They look to have arisen from the necessary departure from typical acceptable solutions to meet the performance objectives.

When assessing the risk of moisture accumulation, simulation tools like WUFI (figure 1) will be the weapon of choice for consultants. WUFI simulates the movement of both heat and moisture through a construction, and requires a raft of inputs.

Currently, there is not the level of skill across New Zealand to reliably mitigate risk, but this should improve over time. One of the challenges with tools like WUFI is applying reasonable assumptions about the indoor climate and getting the right material data to run a reliable model.



Looking for Volunteers

We're currently recruiting volunteers for a series of workshops and one-on-one interviews about projects that have gone above and beyond typical construction. They will be led by BRANZ scientists.

The scientists are impartial subject matter experts which will allow frank discussions with people who have different points of view, about barriers and where the pain points lie.

It would be great to be able to contact the design team involved in the projects we discuss, as well as the builder and inspector to see what was delivered.

The workshops and interviews will form the basis for the case studies, with details removed to protect participants' privacy.

What will you get out of it?

- First-hand discussions with experts in the field, who are only too happy to help.
- The published case studies.
- Knowledge you are doing your bit to help the industry construct higher performing buildings that are warm, dry, and healthy.

Please contact Steve McNeil if you'd like to volunteer - steve.mcneil@branz.co.nz

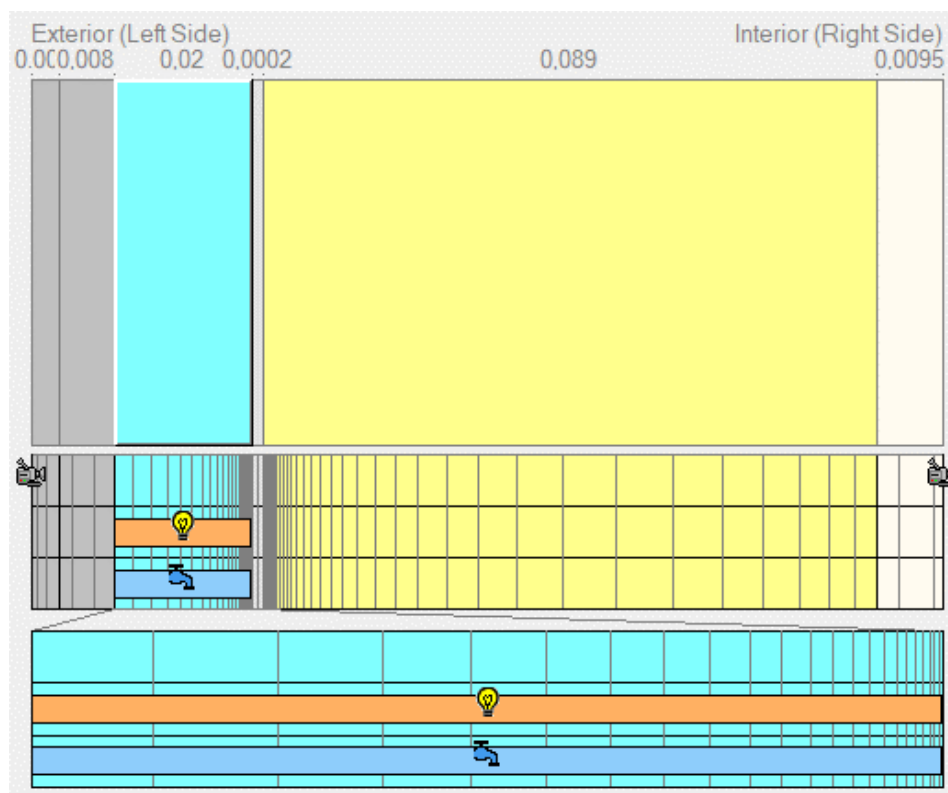


Figure 1- Layout of a typical 90mm stud wall in WUFI, with ventilated cavity under the cladding

If you have any concerns in this space, please do not hesitate to contact Steve McNeil (steve.mcneil@branz.co.nz).

BRANZ has collaborated with the Fraunhofer Institute for Building Physics for nearly 20 years, and worked closely with the team in the development of the WUFI range of computer models, performing extensive benchmarking of WUFI in a range of circumstances against measurements.





STEEL CONSTRUCTION

STEEL AWARDS SHOWCASE STRENGTH OF LOCAL INDUSTRY

The winners of this year's Steel Construction NZ (SCNZ) Excellence in Steel Awards were announced on 13 November 2020. Almost 170 structural steel industry leaders and specialists gathered at Skyline, Queenstown, to celebrate the best of the best at an event that showcases the sector's commitment to innovation, best practice and collaboration

Judges pared back 35 award entries to just 15 finalists, which demonstrate the exceptional design and execution possible when steel is used as the primary construction material.

SCNZ chair Frank Van Schaijik said: "The high calibre of projects showcased in this year's awards is testament to the knowledge, expertise and dedication of our people. It's what distinguishes New Zealand's structural steel industry from other countries, which is vital in light of COVID-19 when local skills and capability are so highly sought after."

The 2020 winners are:

- Supreme Winner and Under \$500K category: Global Engineering for NZ Blood Atrium

The project involved installation of a new atrium roof within the central compound of an existing building. Originally planned as a timber structure, the design soon changed to structural steel to accommodate the complex geometries and the desired spans. To achieve the

desired aesthetic, the final roof form is a combined space-truss and diagrid featuring architecturally exposed structural steel.

- \$500K-\$1.5M: VIP Steel for Redcliffs School

The new Redcliffs School in Christchurch uses structural steel to overcome numerous site and ground challenges, resulting in an extremely robust and efficient building. The site sits in a flood plain and a coastal inundation zone, and is subject to lateral spread and liquefaction settlement. Steel's light weight and flexibility were ideal for the design and detailing of the structure.

- \$1.5M-\$3M: Eastbridge for Manawatu River Cycleway Bridge
- This low-maintenance bridge is comprised of superstructure elements fabricated from weathering steel, and handrail and balustrade elements manufactured from grade 316 stainless steel. In total, 300 tonnes of steelwork were delivered to site over three months. The result is a standout bridge with a slender profile and a low aesthetic impact.

- Over \$3M: Eastbridge for Bridge 20 – Transmission Gully

This bridge was designed to be launched over Cannons Creek Gully. The lightweight steel structure kept the piled foundations and piers slim and, due to the material's lower mass, allowed for longer spans and improved seismic performance. The project required more than two years' worth of continuous fabrication time in the workshop. The design challenge was how to span the new four-lane alignment 50m above the Gully – the solution was a steel box girder bridge.

- Standalone Residential: VIP Steel for The Spur

Glenelg Spur is a small lane in the hills of Christchurch. Steel allowed clear spans, providing extensive views over the city. During the design process, VIP Steel put considerable thought into how the steel would be transported to site and the detailers designed in such a way that no steel member was longer than 13m. The bolt-up steel design enabled rapid construction – the total build time was just two weeks.



MITEK

MITEK® STUDLOK MORE THAN JUST A SCREW

WHAT TO USE?

Nails and screws still get the job done today. But how do you know which one to use for any given project?

That question was actually easier to answer a few decades ago because now there are many more types and sizes of nails and screws available, and many more—and better—ways to drive them in.

Both nails and screws are excellent wood fasteners when they're sized correctly and installed properly. And in many cases, you can use either a nail or a screw for a strong, lasting connection. The right choice often comes down to the tool used to drive in the fastener, and the dimensions of the wood pieces being fastened.

At one time, nails were preferred over screws because it was much easier and faster to hammer in nails than to use a manual screwdriver. As electric and pneumatic screwdrivers have become more commonplace, the popularity of screws has grown exponentially.

But the real quantum leap for power-driving screws coincided with the introduction of the cordless drill/driver, the most popular portable power tool ever invented. Soon came the subsequent introduction of cordless impact drivers and impact wrenches permitted power-driving even the very longest, thickest screws.

When deciding between nails and screws, keep in mind that nails are less brittle, so they provide greater shear strength. They may bend under pressure, but they seldom snap.

Screws, on the other hand, may not be as forgiving, but their threaded shafts hold better in wood and draw boards together much more tightly and they have greater tensile strength. Screws also do a better job of holding tight during wood's natural expansion and contraction.

The innovation by MiTek to develop the STUDLOK™ range provides construction experts a choice with the assurance that each STUDLOK™ has been tested by MiTek engineers to ensure they meet the rigors of New Zealand construction methodologies; be it for Top Plates, Lintels Fixings, Stringer or Ribbon boards or simply as connecting timber members.

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STUDLOK™ STRUCTURAL FASTENERS
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BCITO

BCITO ANNOUNCES NEW CE

The Building and Construction Industry Training Organisation (BCITO) is pleased to announce Mr Toby Beaglehole as its new Chief Executive

Toby joins BCITO from his previous role as Chief Executive of Connexis, which he has led since 2018. In that role, amongst other things, Toby has been managing the Reform of Vocational Education (Ro VE) for the organisation.

“We are delighted to have a new Chief Executive on board who is already across the transition and is familiar with the process and parties involved. He is also closely aligned with the direction of the BCITO through the BCITO- Connexis Heads of Agreement,” says BCITO Chairman Mike King.

“We are committed to ensuring that during this transition period we continue to do what is best for our apprentices, employers, staff, and the wider sector. Having a leader who has an existing and deep understanding of what we do and the issues our sector faces will ensure we manage the next 12 months or so as smoothly as possible,” continues King.

Toby also brings With him a wealth of experience in change management through previous complex roles with NZ Oil Services (JV between Z Energy and BP) and NZ Post, especially following the Canterbury earthquakes. He is expected to commence a transition from Connexis to BCITO in early December, with a view to being fully immersed in BCITO by the new year and as we move towards the new RoVE model.

Toby replaces Warwick Quinn who left BCITO earlier this month, to take up a role at Te Pukenga as Deputy Chief Executive Employer Journey and Experience.



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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 training@boinz.org.nz





MENTAL HEALTH

9 Ways to Recognise a Man's Stress

What are the signs you should be looking out for to tell if a male colleague or boss, partner or friend, is experiencing stress?

But hey...isn't stress just a figment of the imagination? Or, is it a very real state of mind that massively affects the body? And can you seriously tell if someone else is suffering inside?

Yes, stress is real, its effects on the body are far reaching, and yes, the tell-tale signs of stress will most likely be evident - males spend a lot of energy trying to hide how they feel for as long as possible so you will need to look for the evidence.

Stress can be described as a state of mental or emotional strain or tension resulting from adverse or demanding circumstances.

Everyone needs to understand how important it is to acknowledge any stress, anxiety, or tension they're experiencing. Admitting to yourself or to a trusted professional that you are living with stress is the first step towards finding a solution. It can be very easy to make excuses, deny the obvious signs, ignore any symptoms, justify the why, or convince yourself that what you're encountering is due to circumstances outside of your control.

So, how do you know if that guy you work or live with is experiencing some form of stress, overwhelm or anxiety?

“

You must first see yourself as part of the problem before you can be part of the solution.

- Peter Furlong

”

Here are 9 of the most commonly displayed symptoms which could indicate that the man in front of you is stressed or anxious:

1. Withdrawn

Seems to spend more time alone, hiding out in an office or out on the job, not joining in as much with others.

2. Working longer hours

Yet doesn't seem to be achieving any more, in fact it appears he's achieving less.



3. Doesn't want to do anything socially

Not as much fun as he used to be, things all seem a little too serious, not keen to do the social events with the team.

4. Always tired

Looks tired, seems lethargic and as though things are a bit of an effort.

5. Indecision

Takes longer to make decisions, even the simple everyday ones.

6. Sudden bursts of anger

These outbursts would be out of character, he 'loses it' over something relatively minor.

7. Loss of focus

His mind seems to be all over the place, you can't seem to get him to zoom into what's really needed, hard to pin down.

8. Increased addictive behaviours

Eating more junk food or missing lunch, drinking, smoking more, or using drugs (legal or otherwise).

9. Reduced emotional connection

Doesn't seem to care as much about the people around him, not as engaged as he used to be, not as available, not as present.

Keep a look out for these signs. One or two isolated events doesn't mean stress or anxiety but in combination these symptoms generally indicate there's something going on for the guy, and his stress or anxiety will require attention sometime soon.

People often ask me if men and women experience stress or overwhelm in the same way and do men and women give off the same 'stress signals'? The short answer is 'No'. There are some similarities but there are some crucial differences to look out for. I will cover these points next time in '9 Ways to Recognise a Woman's Stress'.

Linda Wells
Outcomes Unlimited





STEEL CONSTRUCTION

DEDICATION TO STRUCTURAL RESILIENCE EARNS PROMINENT AWARD

Canterbury academic wins coveted industry award

Greg MacRae, Associate Professor of Civil Engineering at the University of Canterbury, is this year's recipient of the prestigious Steel Construction NZ (SCNZ) Chair's Award. The annual award recognises individuals who have made a significant and lasting contribution to New Zealand's structural steel industry.

SCNZ Chair and John Jones Steel managing director Frank Van Schaijik presented Greg with the award at a gala dinner in Queenstown on 13 November.

"Greg has had a deep impact, not only on our structural steel industry, but also on the wider construction industry. He has demonstrated a clear focus on finding the best structural solutions for both the community and the industry using safe, strong and resilient structures," says Mr Van Schaijik.

When the devastating Canterbury earthquakes struck, Greg was head of the Structures Group at Canterbury university exploring structural steel frames that could withstand seismic events. Unsurprisingly, Greg's expertise were soon keenly sought after. With a focus on structural resilience and low-damage design, he consulted on many seismic-frame solutions.

Mr Van Schaijik says Greg's willingness to engage with industry to find the most cost-effective and buildable solutions led to the successful completion of many projects as part of the Canterbury rebuild.

"The 2011 earthquake made people rethink how buildings are constructed and how they perform

during and after a 'quake. While the primary concern for buildings is to ensure people can safely walk away after an earthquake, operational continuity where buildings can be quickly reoccupied following a seismic event is also critical."

The Christchurch rebuild showed a decisive shift from the traditional reinforced concrete frames towards the use of low-damage, seismic-resisting materials. As a result, demand for structural steel rose steeply and the material's share of the multilevel construction market grew from virtually nil to over 80 percent in Christchurch. The trend has seen architects favour exposed steel frames as part of the overall aesthetic, proudly displaying the critical seismic-resisting elements.

"Today, structural steel's uptake in Christchurch has become a blueprint for high-quality, seismically resilient construction throughout New Zealand," says Mr Van Schaijik.

Greg's work is internationally recognised. Results from his research have been incorporated in design guidelines around the world and have influenced the construction of millions of dollars' worth of buildings in New Zealand, Japan and the USA.

Greg was the director of the University's postgraduate earthquake engineering research programme and he was a member of its Quake Centre board. He has written for the Royal Commission on the Canterbury earthquakes and from 2011-2019 he was the



New Zealand representative to the International Association of Earthquake Engineering. He currently heads the New Zealand-China ROBUST test programme, which is associated with the International Association of Earthquake Engineering.

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.



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STEEL CONSTRUCTION

STEEL CONSTRUCTION INDUSTRY SERIOUS ABOUT NURTURING FUTURE TALENT

The structural steel industry recently gathered in Queenstown to salute the outstanding new blood in the industry with the Apprentice of the Year and Young Achiever of the Year awards.

The awards are a nod to the increasing number of talented workers emerging in the structural steel industry, and celebrate those whose skills, drive and willingness to learn has helped them to achieve outstanding outcomes. They recognise well-rounded people who demonstrate not only talent and a good attitude, but display traits important to the industry – commitment, innovation and agility.

The awards also reflect the industry's commitment to upskilling young members of the trade and investing in the future of the local structural steel industry, which is crucial given the impact of COVID-19 on New Zealand-grown capability.

"As a well-established industry we have a responsibility to ensure we pass on our skills and experience to the next generation of structural steel specialists to safeguard the future of the sector and support our economic recovery," says Mr Van Schaijik.

"Of the total workforce employed by local structural steel contractors, 9.1 percent are in a training programme, and 69 percent of structural steel contractors employ an average of four apprentices. So it's fantastic to see SCNZ's Apprentice of the Year and Young Achiever of the Year awards gather momentum, year on year. Our industry should be proud of its commitment to fostering our bright, young talent."

Judging the awards was made difficult by the high

standard of each of the finalists, who are all deserving of an accolade. The judges noted that the calibre of people coming through points to a great future for the industry.

The 2020 winners and finalists are:

Apprentice of the Year Winner: Joshua Jackson, Global Engineering

Global Engineering Business Development Manager Will Mahon says that Joshua is a great asset to the business thanks to his constant drive to do the best job he can.

"Joshua has risen to the challenge with some complex and architecturally demanding projects and has successfully come up with smart ways to apply his engineering knowledge," says Will.

Joshua credits his success to being surrounded by highly skilled and committed mentors in the workshop. Now he's keen to pay it forward, sharing his knowledge with the new apprentices.

Apprentice of the Year finalists:

- Archie Morales, John Jones Steel
- Gavin Neal Menzies, Red Steel
- Leighton Dewar, John Jones Steel
- Micah Swindells, Petone Engineering'

Young Achiever of the Year Winner: Kieran Houssenloge, Petone Engineering

Kieran joined Petone Engineering as a fabricator in 2018, and Managing Director Chris Molenaar says he turned out to be a particularly good one.

"It was clear early on that Kieran had leadership skills and he quickly became the workshop supervisor without needing a formal title. He started organising the work as it came through the shop and the fabrication team was happy to do as he instructed," says Chris.

One standout attribute is Kieran's willingness to embrace change, improvements and innovative technology. "It's an asset to anyone in a rapidly growing company," says Chris. "He is a quick learner and takes responsibility for his own personal development."

One of Kieran's early challenges was successfully managing the fabrication of 30 K-frames that Petone Engineering made for the Chinese Embassy in Wellington.

"At the time we had a small shop and the logistics of handling the steel in a small area was his greatest challenge. and we had just added two new fabricators to our team so Kieran was training the new staff at the same time," says Chris.

"Kieran leads by example and sets high standards for his team. With his willingness to learn and his proactive approach to personal development, there is no ceiling to limit where he could go in this industry."

Young Achiever of the Year finalists:

- Blair Neverman, Global Engineering
- Luke O'Brien, Steel Pencil
- Petrus Barkowitz, Waikato Steel Fabricators



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REAL ESTATE AUTHORITY

THE WOMAN BEHIND THE REGISTRAR'S DESK - GET TO KNOW BELINDA MOFFAT

Last month, we welcomed Belinda Moffat to the Real Estate Authority Te Mana Papawhenua as our new Chief Executive and Registrar. Here, we sit down with Belinda to learn a bit more about the woman behind the Registrar's desk - from working with prisoners on death row in the Caribbean to mentoring teenage girls and promoting high standards of conduct and integrity across a range of markets in New Zealand.



Belinda Moffat

Belinda joined us from her role as Chief Executive at the Broadcasting Standards Authority (BSA). During her time there, she led the team responsible for dealing with complaints about breaches of broadcasting standards.

"One of the most challenging parts of this work is achieving a balance between the right to freedom of expression and the avoidance of harm."

Following the Christchurch mosque attacks, Belinda and her team worked with broadcasters to develop guidance for reporting on terrorism and violent extremism.

"The focus was to take sector best practice and guidance from BSA, and provide it to broadcasters in a way that was practical, and easy to use in times of crisis," says Belinda. "Listening to, and working with, the industry to develop this guidance was central to our approach to regulatory effectiveness."

As part of modernising the broadcasting standards regime, she also oversaw the review of timebands and classifications on free-to-air television and a refresh of the Election Programmes Code

ahead of the 2020 General Election. Belinda's 25-year career has included working as a private practice litigation lawyer in New Zealand and the United Kingdom, and as Director of Enforcement and Investigations at the Financial Markets Authority. She's also worked as Head of Dispute Resolution at one of New Zealand's major banks.

"I joined the bank at the beginning of the global financial crisis (GFC) in 2008. At the time, it felt like the biggest period of change and uncertainty that our generation would face. And yet, in the last 4 years, we've faced significant earthquakes, a terrorist attack, a volcanic eruption and now a pandemic," Belinda explains.

"The lessons I learned supporting a team as we weathered the GFC, working in a sector that was so hard-hit, is something I've found myself reflecting on a lot in recent weeks.

While the real estate industry has proven to be more resilient than many might have predicted back in March, it's certainly a challenging and unpredictable time," she adds.

"That being said, I acknowledge the dedication and optimism of the real estate professionals I've met in my first few weeks on the job. I'm proud to have joined the team at REA, who are committed to supporting the industry and consumers in their engagement with New Zealand's real estate sector." Belinda recognises that being able to adapt and embrace change is essential to an organisation's success.

"Change and disruption is a contemporary constant theme. The ability to adapt to change is essential in any vocation, but particularly in regulation, where you need to be able to adapt the regulatory focus to the changes in the environment, and also support the team you work with to do the same," Belinda says.

Having spent over 10 years working overseas in the early phase of her career, Belinda says she's grateful to be home as the world navigates the uncharted waters of COVID-19. In the late 1990s, Belinda was a litigation solicitor for a large London law firm. While committed to commercial cases by day, in her own time she provided pro bono representation to prisoners on death row in the Caribbean.

"It was in equal parts challenging, rewarding and eye-opening," says Belinda.

“

Providing access to justice, and promoting basic human rights was the driver behind my commitment to these cases.

- Belinda Moffat

”

Passionate about the next generation, Belinda has spent time fostering talent in young Kiwis. She's worked as an Adjunct Instructor at the College of Law New Zealand since 2015 and spent four years mentoring a young woman from a low decile high school in Auckland as part of the YWCA's Future Leaders programme.

"The programme pairs 12 to 18-year-old young women from disadvantaged backgrounds with female mentors, to support them in developing leadership skills and resilience," Belinda explains. "The young

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women I met through this programme were just so determined and dedicated - I felt really fortunate to support and champion their growth, and to help them see the possibilities ahead of them."

Belinda also spent almost five years on the Board of Dress for Success Auckland, a charity that supports women in need to enter or re-enter the workforce. After 10 years of living in Auckland, Belinda moved back to her hometown of Wellington in 2016, where she now lives with her family and dog, Tana.

Turning to the future, Belinda is looking forward to getting stuck in at REA and continuing to build on the organisation's commitment to promoting public confidence in the real estate sector and protecting the interests of consumers.

"In the months ahead, I hope to meet with as many in the sector as I can to understand the reality of the issues and challenges facing the sector. While the market remains buoyant, stock is low and the country is facing a range of economic pressures. This can place pressure on both licensees and consumers," Belinda says.

"At REA, we have an important role to support licensees to understand and fulfil their obligations. We must also ensure we provide consumers with an accessible and effective complaints process, and information that can protect them from harm as they navigate the real estate process," she adds.

"In this unpredictable environment, it's important that, as the regulator, we're connected with the sector and we're being proactive and agile. We will continue to work hard to equip the sector with guidance and education that supports and promotes good conduct."

As well as supporting licensees, Belinda says REA will continue to provide consumers with a high-quality complaints service and produce useful information that helps buyers and sellers navigate the real estate process without harm.





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CONCRETE NZ

QUALITY SYSTEMS FOR READY MIXED CONCRETE

The Concrete New Zealand (NZ) Plant Audit Scheme provides a rigorous and objective audit of the quality systems in place at a ready mixed concrete plant.

Engineers and builders, as well as their clients, can be confident that ready mixed concrete from a producer audited by the Scheme meets the requirements of the *New Zealand Building Code* through *NZS 3104 Specification for Concrete Production*.

SCHEME HISTORY

The New Zealand ready mixed concrete industry came into being around 1936 through the foresight of James Fletcher and George Winstone. This led to the creation of Certified Concrete Ltd under Sandy Cormack. The first ready mixed concrete plant was built at Grant Road, Wellington in 1938 followed by a plant in Symonds Street, Auckland in 1939.

By the time *NZSS 95 Model Building Bylaw Parts V and VI* were written in 1950, ready mixed concrete production was already an integral part of the document. *NZSS 95* became *NZS 1900 Model Building Bylaw* in 1964 and in 1967 a new Standard *NZS 2086 New Zealand Standard Specification for Concrete Production - High Grade and Special Grade* was released. With *NZSS 95* setting the various production grades it became clear that some means of establishing which plant qualified for which grading was needed.

The protocols of quality control being used by Sandy Cormack at Certified Concrete Ltd ahead of the introduction of *NZS 2086*, were developed into a draft quality control scheme in May 1963. This led to the

formation of the New Zealand Ready Mixed Concrete Association (NZRMCA), with full membership restricted to plants that could demonstrate compliance. At this time, the Ministry of Works and Development also had an inspection programme for concrete facilities. After discussion, the two systems merged.

As a follow up to combining the two systems, work commenced on updating *NZS 2086*, leading to *NZS 3104 Specification for Concrete Production* in 1983. With the advent of *NZS 3104*, statistical control, already practiced in the NZRMCA Scheme, became the accepted practice recognised by *NZS 3109 Concrete*



Construction. NZS 3104 underwent an update in 1991 before a major revision in 2003, with a 2021 revision pending publication. The NZRMCA was dissolved in 2019 as part of the Concrete NZ launch, with ownership of the Scheme transferring to the new 'consolidated' association.

WHAT THE SCHEME PROVIDES

The recently rebranded Plant Audit Scheme operates to audit Concrete NZ Readymix Sector Group member's ready mixed concrete plants as defined in NZS 3104. The Scheme audits the quality systems in place at a ready mixed concrete plant. Audits are carried out by the Plant Audit Committee, a group of experienced engineers. The management system of the Scheme conforms with the requirements of ISO 9001, and is independently audited by Bureau Veritas (New Zealand) Limited.

WHAT THE SCHEME REQUIRES

Compliance with NZS 3104 and the relevant parts of related documents is mandatory under the Scheme, along with an appropriately qualified concrete tester at each plant, and a suitably qualified plant engineer. Records must be properly maintained to provide an audit trail confirming the test records analysed are correct and complete.

SPECIFIC BENCHMARKS AUDITED

Plants report quality performance data to the Committee annually and are subject to an annual data review together with an on-site audit every second year. Among performance criteria audited are concrete strengths, aggregate quality, equipment calibration, as

well as production and testing records.

MAINTAINING AN AUDIT CERTIFICATE

In addition to the benchmarks audited, the frequency of testing within each quarter year must be submitted to the Committee. Failure to maintain testing requirements can result in the withdrawal of an Audit Certificate, which are issued for a period not exceeding 12 months. Compliance with NZS 3104 can also be demonstrated outside of the Concrete NZ Plant Audit Scheme by the concrete producer obtaining an Audit Certificate from an appropriately qualified engineer. When using concrete from a plant that does not have an Audit Certificate, the purchaser (or their agent) is responsible for ensuring that systems are in place (e.g. testing) to verify that the concrete meets the requirements of NZS 3104.

ITS IN THE MIX

Concrete NZ Plant Audit Scheme is:

Independent & Rigorous

The Scheme provides a rigorous and objective audit of the quality systems in place at a ready mixed concrete plant to ensure that the concrete produced complies with the requirements of NZS 3104, the main Standard used to specify structural concrete.

Preferred Choice

The vast majority of ready mixed concrete producers in New Zealand choose to be members of the Concrete NZ Readymix Sector Group and use the Scheme to demonstrate that the concrete they produce meets the required industry Standards.

Consumer Confidence

Purchasers can be confident that ready mixed concrete from a producer audited through the Scheme meets the requirements of NZS 3104. This provides assurance that the concrete will achieve its strength and durability requirements in its application.

A full list of audited plants is available on the Scheme's website - www.rmcpplantaudit.org.nz





GS1 NEWS

BUILDING AND CONSTRUCTION INDUSTRY CAN LIFT PRODUCTIVITY THROUGH STANDARDISED DIGITAL PRODUCT DATA

New Zealand's building and construction industry can lift its poor productivity by establishing a digital database on building products, accessible to all industry members and providing them with important product assurance information.

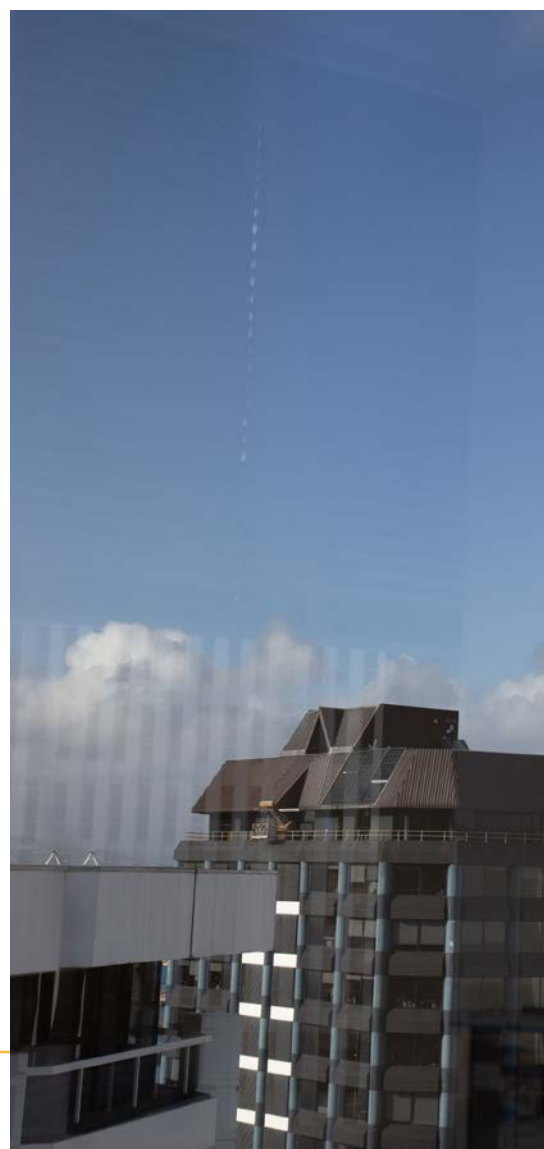
This opportunity is explored in “Digital Product Data for Lifting Productivity” - a major new report from GSI New Zealand on how such a digital database, or repository, would support the building and construction industry and on feasible steps for its establishment. The report, funded by BRANZ from the Building Research Levy, draws on analysis commissioned from the NZ Institute of Economic Research (NZIER), on international examples of productivity gain from using digital data systems, and GSI expertise in data standards and related technologies.

The report states improved accuracy of information, once standardised and digitalised, is a key source of productivity gain. This is because of reduced paperwork, information search time and costs. Furthermore, online availability of information - especially authoritative product assurance information for determining whether products are

fit for purpose - can enable much greater certainty and confidence in product selection, and in building consent processes.

The latest statistics put the industry's annual output at \$64 billion or 11.5% of New Zealand's total economic output. The report notes that its record of low productivity growth needs to be addressed (annual 0.9% per annum for the past 25 years; less than 30% of that seen in the ICT sector, and less than half of that in agriculture). “Digital infostructure”, including a product information database with information used in numerous business decisions, is one means of starting to tackle the problem.

The report says such infostructure, enabling rapid exchange of product information across the industry, cannot succeed without the use of standardised data, and it recommends the use of global standards. The repository would



use “cloud” computing with multiple channels for “anytime, anywhere” access, and it would enable much more inter-operability between industry players.

The digital repository would enable suppliers to load product data once, making the data available to hundreds of users saving suppliers paper work, time and money.

NZIER has estimated that information barriers to efficient consenting on residential building projects could be costing more than \$30 million annually: having digital product data available across the industry would help reduce those costs. The NZIER analysis indicates the appropriate infostructure could lead to productivity gains which benefit New Zealand’s Gross Domestic Product by as much as \$220 million.

Nick Allison, GSI General Manager Government, says the infostructure

required does not involve any “cutting edge” or new technology, and would plug into systems already in use throughout the building and construction industry. “The technology component might cost in the order of \$1.5 million. The real challenge is cross-sector coordination and collaboration, including the adoption of common standards and data structures which enable information to be effectively gathered and exchanged,” says Mr Allison.

The infostructure design is market neutral, thereby enabling pro-competitive use and extension of data by the private sector supporting innovation.

“Having structured and standardised data is the critical element, and this starting point is already recognised by the construction industry and government agencies. In general, industries with lakes of unstructured data are actually ‘information poor’ because the data just doesn’t enable the critical changes in business systems and practices which lead to productivity gain,” he says.

The report recommends the establishment of an initial, core set of data on products including “metadata” which links structured information about each back to its globally unique identifier. It proposes that an industry not-for-profit governance body oversee the infostructure and promote the necessary trust and collaboration.

Mr Allison says the industry has yet to reach consensus on data standards and structures although the concepts and their potential for productivity gain are understood. “Our research has outlined a feasible approach for the New Zealand construction industry to move forward on and there is plenty of goodwill and interest to do so.



We hope it is sufficient to overcome industry collaboration barriers.”

It is noted that the Environment Select Committee is considering submissions on the Building (Building Products and Methods, Modular Components, and Other Matters) Amendment Bill.





GIB

GIB AQUALINE® - AS A SUBSTRATE FOR WET AREA TILING

GIB Aqualine® is part of a system that protects areas where there is intermittent water exposure and areas prone to water splashing within residential and non-residential buildings – in particular, areas covered by the New Zealand Building Code (NZBC), Clause E3 Internal Moisture.

Although able to cope with infrequent short-term exposure, standard gypsum plasterboard will have a shortened life expectancy when frequently exposed to water or moisture.

It is highly desirable to incorporate lining materials that will maintain their integrity longer when exposed more frequently to water, or steam, and particularly to one-off events such as a plumbing leak causing the flooding of a room. GIB Aqualine® is ideal in such situations because it features a water resistant core.

Unlike other commonly used substrates, the GIB Aqualine® core not only resists penetration of water through the lining into the framing behind, but also resists water “wicking” up the core, a common

cause of long-term damage where a water resistant lining has not been used. GIB Aqualine® will maintain its integrity for extended periods, particularly where wicking over large areas can destroy the integrity of the interface between the lining and paint or wallpaper surfaces or between the lining and the tile adhesive.

Because GIB Aqualine® is dimensionally stable and resistant to water damage, it is an ideal substrate for tiling in residential wet areas. 10mm and 13mm GIB Aqualine® are suitable for tile weights up to 20kg/m² on timber framing, and 13mm GIB Aqualine® on steel framing and for tile weights between 20 and 32kg/m².

Liquid applied water proof membranes and tile adhesives readily adhere to the GIB Aqualine® face liner and GIB® jointing compounds. It is important, though, to use a water proof membrane that is compatible with the GIB Aqualine® and the tiles. The Wet Area Systems book and the GIB® Site Guide provide further information to help.

GIB Aqualine® Benefits

- Dimensionally stable, will not buckle or warp, hence an excellent substrate for ceramic tiles.
- Water resistant and durable to help protect against water damage.
- Suitable for both residential and non-residential applications.
- Conventional jointing methods.
- Easy to cut and form openings.
- Contains fibreglass and other additives for strength and fire resistance. May be used in GIB® Bracing, GIB® Fire Rated and GIB Noise Control® Systems (see Compliance with the NZBC, Clauses B1, C3 and G6). Consult the appropriate GIB® literature for installation details.
- Green face paper for ease of recognition.

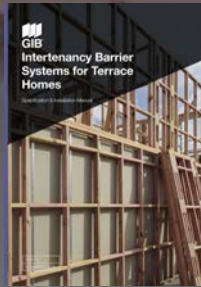
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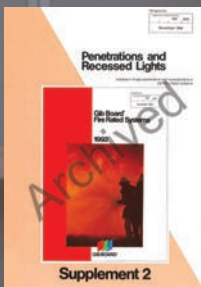
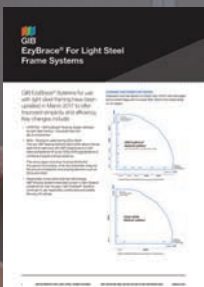


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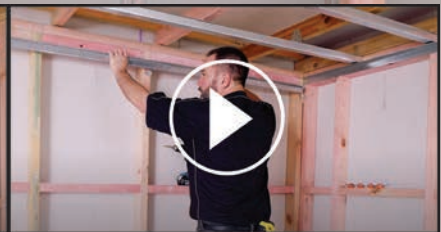
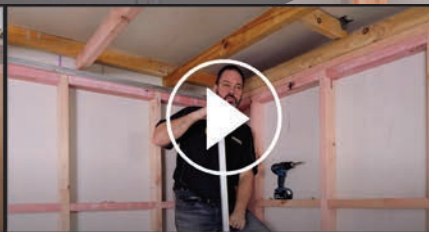
A comprehensive range of system manuals.



Supporting documents, best practice advice and archived literature.



Video tutorials and learning resources.



For any specific queries call the
GIB® Helpline 0800 100 442.

Limitations

- GIB Aqualine® must not be used for bracing purposes in shower cubicles or above baths.

- Do not use GIB Aqualine® where it may be exposed for extended periods to humidities of 90 percent RH and above. Such areas include group shower or steam rooms as well as moisture and chlorine rich environments such as indoor swimming pools.

- GIB Aqualine® must not be directly applied to solid plaster (gypsum or cement), wood based sheet linings or similar materials, masonry or concrete. GIB Aqualine® may only be applied to these materials where timber strapping or steel furring channels are installed.

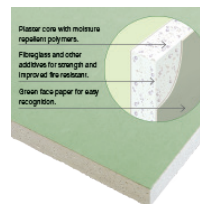
- GIB Aqualine® must not be installed over a vapour barrier or a wall acting as a vapour barrier.

- Cracked or damaged sheets must never be used.

- GIB Aqualine® must not be used in external applications.

- GIB® plasterboard must not be exposed to temperatures in excess of 52°C for prolonged periods. Heat-generating devices may include halogen lighting, cooking

elements, radiant heating, solid fuel exhausts and fire surrounds. Consult the appliance manufacturer for installation details.



By John Jamison, Technical Manager at Winstone Wallboards

ONLINE COURSE:

COMPLYING WITH THE BUILDING CODE

This online course is designed as an introduction to the Building Code System, and will increase the participant's understanding of the Building Code, the ways to comply with the Building Code and increase the efficiency of building consent processes to provide safe buildings.

Target Audience:

All individuals working in the building industry including but not limited to; building consent officers, building owners, engineers, architects, designers, subcontractors and builders.

Course Content:

- *Understand the role of the Building Code
- *Describe the structure of the Building Code
- *Describe the content of the Building Code
- *Understand and describe the ways of complying with the Building Code

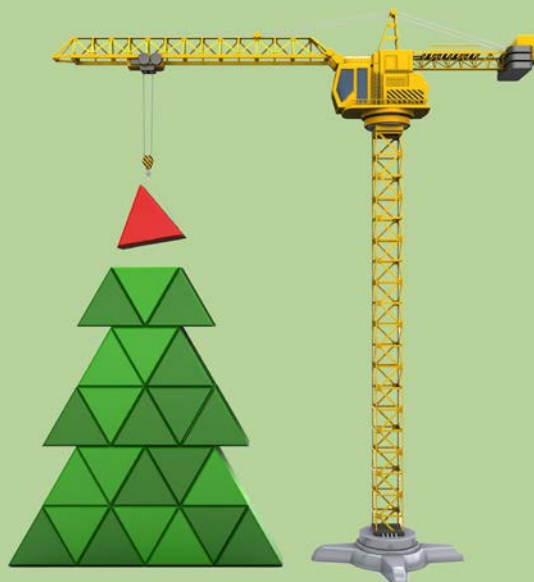
For More Info email : training@boinz.org.nz

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send photo to marketing@boinz.org.nz





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30-day job advert posting, with your own business profile to upload and edit jobs easily and efficiently.

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- Only dedicates Building Surveying jobs board in the market

\$250 + gst

SOCIAL + LISTING

Everything from "Listing only" *PLUS*

- Job shared on our Facebook and LinkedIn pages

Effective way to reach a broader audience

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DIGITAL + LISTING

Everything from "Social" *PLUS*

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- 300-word feature with links to your application page

\$325 + gst

CONNECTION + LISTING

Everything from "Digital" *PLUS*

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- We will work with you to discuss your ideal candidates and directly contact anyone we know who fits the criteria

\$350 + gst

Email recruitment@boinz.org.nz for more info



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Y	V	Q	M	B	Y	W	P	X	D	A	L	Q	X	V	W	X	N	X	H	A	D	B	R
T	Y	Y	A	C	B	H	F	J	X	N	H	A	S	O	I	P	G	M	O	K	F	K	R
I	P	P	N	T	A	U	R	A	N	G	A	S	A	Q	V	Y	Q	T	T	H	L	O	Q
C	Y	D	A	O	B	A	S	W	T	A	B	L	S	Y	F	G	A	V	O	B	H	I	Y
N	M	P	W	L	H	X	A	G	H	L	O	Q	T	N	W	K	Q	C	V	T	I	A	L
I	F	A	A	S	N	I	H	B	A	H	X	E	C	S	I	H	U	R	U	N	U	I	O
D	C	Y	T	Q	R	E	K	G	M	F	O	A	V	A	E	T	Q	N	F	P	N	W	A
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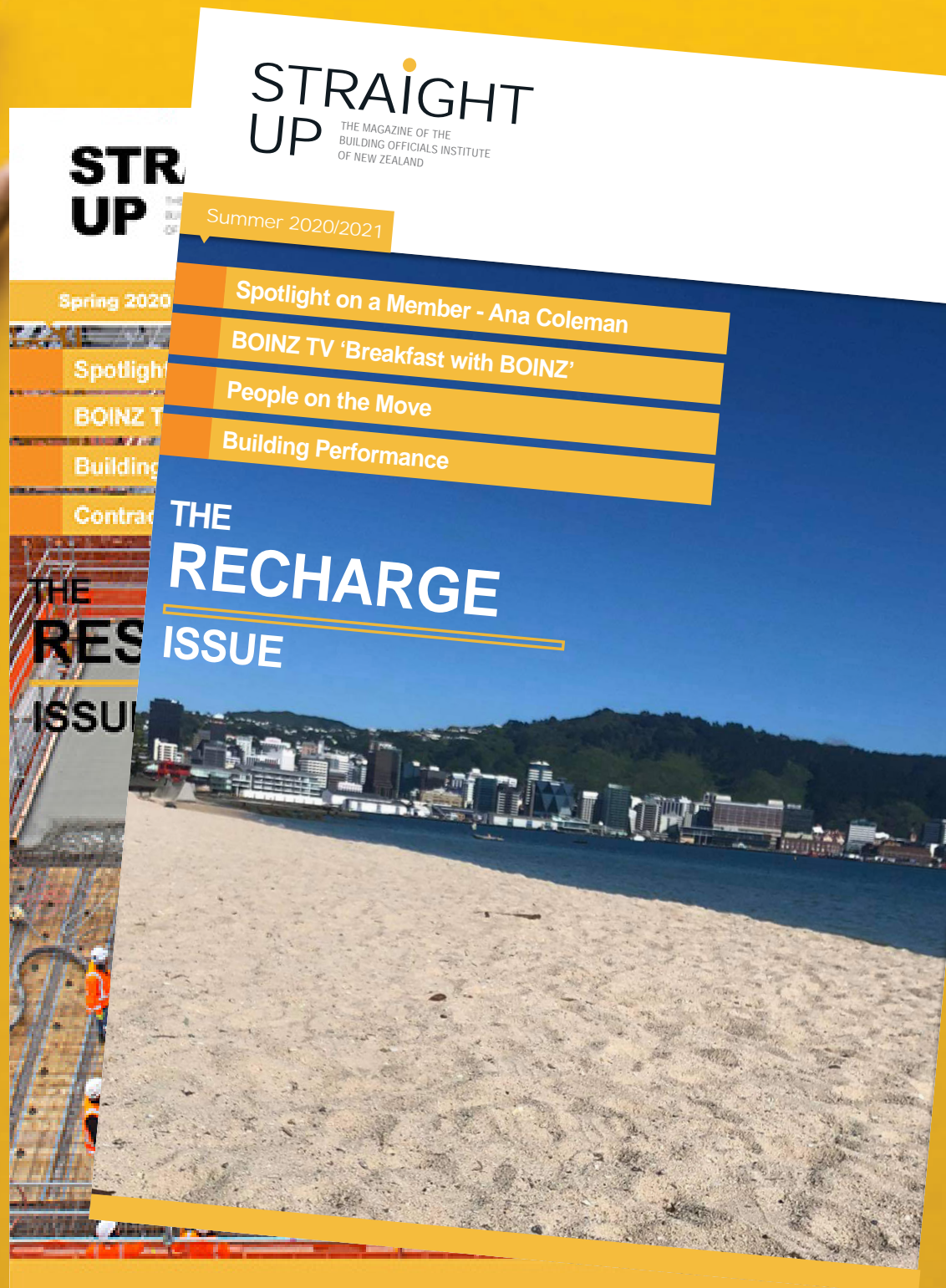
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