

sa health & medical research institute adelaide



Photo by Peter Barnes

PROJECT SPOTLIGHT:

With the demand for leading scientific research facilities growing each year, the South Australian Government commissioned the development of the **SOUTH AUSTRALIAN HEALTH & MEDICAL RESEARCH INSTITUTE (SAHMRI)**. Since the project commenced in 2010, Rondo supplied our KEY-LOCK® Suspended Ceiling System, Steel Stud and Track, DUO® Exposed Grid Ceiling System, PANTHER® Access Panels, Shaftwall and WALK-ABOUT Trafficable Ceiling System.

The visually stunning building required assistance from Rondo's Technical Services team in the design of external service walkways which are subjected to external wind loads. Additionally, Rondo's team provided Seismic Designs for Rondo's DUO® Exposed Grid Ceiling System (*see more about our Seismic Systems on page 6*).

Ceiling and Wall Contractors in South Australia explained that they used Rondo's Wall Design Wizards available on our website to ensure several full height walls were achievable as specified and in some cases, the wall height had to be adjusted to match that calculated using the Rondo Wall Wizard.

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SAHMRI (continued from Page 1)



The interior of SAHMRI features a large curved steel staircase with its spiral sides formed using Rondo's 76mm Stud and Track as vertical support and with Flexible Track capping the Stud to create the spiral curve effect. The plasterboard lining the sides of the staircase is supported by Recessed Furring Channel curved horizontally around the stud work.

The curved bulkheads on each level of the building that provide an architectural feature are formed using Rondo 76mm Stud and Track. The curve was set out with Rondo Flexible Track from which stud droppers were installed and finished at the bottom with similar Flexible Track. The framing braced back to the structure with 76mm stud supports. This provided the framework to which the plasterboard was installed to form the curved bulkheads.

The \$3 billion, 25,000m² purpose-built structure's distinctive 'dia-grid' façade adapts to its environment, becoming a living organism that responds to the position of the sun. Inspired by the look of a pinecone, the SAHMRI is on track to receive a LEED GOLD rating due to its sustainable features.

The first stage of the largest health and biomedical precinct in the southern hemisphere was officially opened by Prime Minister, Tony Abbott in late November. The facility will house a team of more than 600 leading researchers with state-of-the-art facilities in the search of enhanced treatments and cures for some of the world's leading health issues.



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update

OUR HANDY RESOURCE: RONDO INSTALLATION GUIDES

All five of Rondo's Installation Guides were updated late last year with new images and technical information. Rondo's Installation Guides are the perfect resource for users requiring practical application and installation details on Rondo's standard systems.

Installation Guides are available on the following Rondo systems:

- KEY-LOCK® Concealed Ceiling System
- DUO® Exposed Grid Ceiling System
- Steel Stud & Track Wall Framing System
- EXANGLE® Finishing Sections
- PANTHER® Access Panels

Get your copy from an Authorised Rondo Distributor or visit www.rondo.com.au to download one today.



news

UP-TO-DATE: PROFESSIONAL DESIGN MANUAL USB

To keep up with the latest technologies and customer requirements, Rondo has decided to replace our Technical CDs with the more commonly used, and highly accessible, USBs.

By inserting Rondo's business card-sized USB into your computer, an interactive menu screen will be launched, giving you access to each section of the Rondo Professional Design Manual, as well as videos on how to install our wall and ceiling systems.

The USB is available to order online now by visiting www.rondo.com.au/services/technical-usb



update

OUR COMMUNITY: KIDS UNDER COVER



Rondo provides various support to local charities in the regions in which we operate, and in a National capacity, Rondo is partnered with Kids

Under Cover, a not-for-profit Australian organisation which works tirelessly to prevent youth homelessness by building studio homes for at-risk young people. It also supports their education through scholarships and mentoring arrangements.

Rondo supports Kids Under Cover through promotional initiatives, volunteering and holding fundraising events, with the most recent being held at our Head Office offering the Staff the opportunity to contribute to the cause.

Kerry Butcher, our KUC representative attended and expressed that *"the contribution made by Rondo will go a long way towards providing a positive future for the people we are working with"*. Rondo was additionally presented with an award to thank us for our contribution to Kids Under Cover throughout 2013.

Moving forward, Rondo will continue working with Kids Under Cover to help raise awareness of their fight to alleviate youth homelessness, with some exciting initiatives already in the works for 2014.

new product

NEW: RONDO 311D DUAL DIRECT FIX CLIP

The new Rondo 311D Dual Direct Fix Clip offers installers flexibility in their choice of Rondo Ceiling Battens in direct-fix applications.

The existing Rondo 311 Clip was designed to suit the Rondo 310 (35mm deep) Ceiling Batten; it will now be replaced with the new, superior 311D Clip, which features an additional slot to also accommodate the Rondo 303 (24mm deep) Ceiling Batten.

Previously, Rondo 303 Batten could only be screw-fixed via the flanges; however it can now be installed using the 311D Dual Direct Fix Clip.

Example: Where roof trusses or joists are not level enough to risk fixing direct to the bottom chord, the 311D clip can be used.

For convenience, the Rondo 311D Clip is clearly marked to show the installer which position on the clip each Batten should be installed. To ensure safety standards are upheld, the 311D has been designed and tested to ensure it will still perform if the 310 Batten is mistakenly installed into the 303 Batten slot. Conversely, it is impossible to install Rondo 303 Batten into the 310 Batten slot.

All current span tables relevant to direct-fixing of Rondo 303 and 310 Battens remain applicable, and the new Rondo 311D Clip will take on the existing price and packaging quantities of the superseded Rondo 311 Clip.

To view Rondo's latest products and download our Tech Briefs, visit www.rondo.com.au or alternatively, simply scan the QR code alongside.



RONDO 311D DUAL DIRECT FIX CLIP



OUR LATEST RONDO APP IS NOW EVEN MORE ADVANCED.



When we released our Rondo iPhone & iPad App in 2011, it was the first of its kind in the wall and ceiling industry. Now a few years later we've taken it even further.

In addition to calculating what Rondo products are required for your wall or ceiling design and putting you in touch with our huge network of stockists for a quote, you can now scroll through our systems to view details of over 250 Rondo products.

This includes details of their weight, length, the pack sizes they come in and, in most cases, their dimensions.

Connecting with us and viewing installation videos has been made easier with direct links to our social networks, Facebook and YouTube. And so that more Rondo customers can have this handy tool at their fingertips, we've also made it available for Android on both smart phone and tablet devices.

IMPROVED STRENGTH & FLEXIBILITY: RONDO FLEXIBLE TRACK



Adelaide is now host to one of Australia's most impressive infrastructural designs of curves and spirals, namely the South Australian Health & Medical Institute (SAHMRI), with its standout internal open staircase and bulkheads showing the remarkable architectural features that can be achieved using Rondo's Flexible Track.

The interior of SAHMRI features a large curved steel staircase of which, the spiral sides were formed with Rondo's 76mm Stud and Track as vertical support and with Flexible Track capping the Stud to create the spiral curve effect. The Rondo Flexible Track section delivers unrivalled results, with perfect cap, top and bottom placement, framing the staircase's flanking walls so that the curved lining board could be neatly finished. The plasterboard lining the sides of the staircase are supported by Rondo's Recessed Furring Channel which is curved around the stud work horizontally. The SAHMRI building has extensive bulkheads around its entire perimeter at each level. The buildings curvy footprint requires the bulkheads to follow these curves, and the simplest way to form them was to install Rondo's Flexible Track to the concrete soffits to follow the buildings shape, and to attach braced vertical stud droppers capped at the

base with more Flexible Track. The framing formed a perfectly shaped base for the curved plasterboard sheeting. Rondo Flexible Track is available to suit all of the standard Rondo Stud sizes; 51mm, 64mm, 76mm, 92mm and 150mm – and with the exception of 51mm, are available with a 50mm deep deflection head track size as standard, which offers improvements in strength and ease of installation.

In final stages of completion, the entire building was clad with a spectacular geometrically shaped glazing system, which now provides a striking addition to the Adelaide skyline.

Full information on Rondo's Flexible Track is available in the Rondo Professional Design Manual, alternatively it can be downloaded via www.rondo.com.au.



MAJOR RELEASE: RONDO SEISMIC WALL & CEILING SYSTEMS

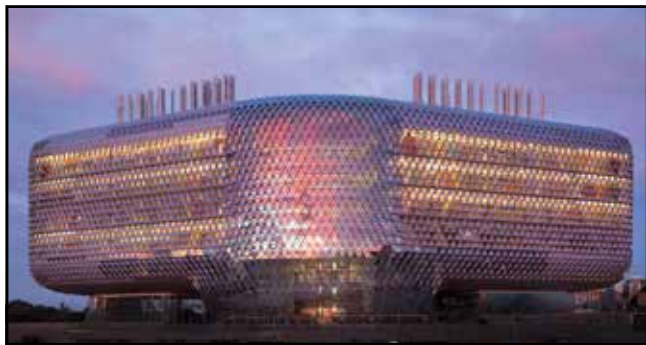
The demand for projects requiring Seismic Designs is increasing, both in Australia and New Zealand. As always, Rondo is at the forefront of product innovation, and we have developed superior seismic Wall and Ceiling Systems which can be tailored to suit a project's seismic requirements.

Rondo's market-leading Seismic Designs have been developed using Australian and New Zealand Standards and comprehensive in-house and third party testing, as well as extensive research into the latest seismic developments.

Seismic solutions are available for Rondo's KEY-LOCK® Concealed Suspended Ceiling System, DUO® Exposed Grid Ceiling System and Steel Stud and Track Drywall Framing System.

Rondo's Seismic Wall & Ceiling Systems have been designed and extensively tested to ensure they:

- are strong enough to resist lateral forces during an earth-quake
- limit the structural damage of the systems
- accommodate differential movements resulting from inter-story movements
- prevent tiles and lining boards from dislodging and blocking evacuation paths
- support critical services after an earthquake



SA Health & Medical Research Institute



Taranaki Base Hospital



Kilmore St Medical Centre



Lambton Square

SEISMIC TESTING PROGRAM

Rondo's seismic testing program consisted of component testing at Rondo's Head Office, followed by full scale testing at an independent laboratory in New Zealand, which was chosen due to their expertise and dedicated team of engineers. Our research team also included KCL Consulting Engineers based in New Zealand, as well as Rondo's own structural engineers.



RONDO'S SEISMIC PROJECTS

Thanks to Rondo's engineering expertise, our Seismic Wall and Ceiling Designs have been supplied to major projects across Australia and New Zealand. Recent examples include *Taranaki Base Hospital* in New Zealand where our Engineers designed an internal wall framing system that could stabilise seismic loads; *Lambton Square in Wellington*, which required bracing over numerous levels and varying planes; and *Kilmore St Medical Centre in Christchurch* which required seismic wall and ceiling designs that would allow it to remain operational after a 1 in 500-year earthquake.

new products

Included in Rondo's Seismic Wall and Ceiling Systems is a range of new Rondo products such as **Rondo 865 Seismic TCR Joiner** used in splicing applications for the KEY-LOCK® Seismic Ceiling System.

Also within this system is the new **Rondo 141 Wall Track** which is a 1.15bmt heavy duty version of Rondo's existing 140 Wall Track to suit 129 Furring Channel.

The Rondo DUO® Seismic Ceiling System incorporates the new **Rondo 850 Seismic Sliding Clip** which offers both a fixed or sliding connection at the ceiling perimeter. A new 1.15bmt heavy duty wall angle, called **Rondo 530**, has also been developed for use within the system.

To allow movement along the stud wall, Rondo has developed the **Seismic Deflection Head Track**. The slot within the Seismic Deflection Head Track allows displacement of adjacent Wall Studs, letting them slide within the Wall Track.

To see Rondo's new Seismic products in situ, visit www.rondo.com.au/seismic



865 SEISMIC TCR JOINER



141 WALL TRACK



850 SEISMIC SLIDING CLIP



530 HEAVY DUTY ANGLE



SEISMIC DEFLECTION HEAD TRACK

* Patent Pending

new resources

SEISMIC WIZARDS

Rondo has released online Seismic Wizards to help design Rondo KEY-LOCK® and DUO® Seismic Ceiling Systems, which are available at www.rondo.com.au/seismic

Rondo Contractors can use the wizards to create seismic ceiling designs and work out products required for the tender stage of their project. Once completing a calculation, Contractors can simply email their result to themselves or to their local Rondo Technical Representative for support.

The designs produced in Rondo's Seismic Wizards meet code requirements for both Australia and New Zealand.



SEISMIC WALL & CEILING SYSTEM BROCHURE



The Rondo Seismic Wall & Ceiling System brochure is an introductory guide to Rondo's Seismic solutions. It covers areas such as components, splice details, and typical applications, as well as installation and workmanship.

Simply speak to your Rondo Technical Sales Representative for a copy of the manual or visit www.rondo.com.au/seismic to download it today.

update

RONDO SKILLS 3: ADVANCED TRAINING PROGRAM

Launched in March, Rondo SKILLS 3 is a mostly theory-based Product Training Program aimed at users requiring an advanced knowledge of Rondo products.

The training program has a particular emphasis on Rondo's KEY-LOCK® Concealed Suspended Ceiling System, DUO® Exposed Grid Ceiling System, Steel Stud and Track Drywall Framing System and MAXIframe® External Wall Framing Systems.

On completing the Rondo SKILLS 3 for Advanced course, attendees will be able to;

- Read span and load tables for Rondo ceiling applications, KEY-LOCK® Concealed Suspended Ceiling System and DUO® Exposed Grid Ceiling System
- Read wall height tables for Rondo Steel Stud & Track installations
- Read design charts for MAXIframe® External Wall Framing Systems, including calculations of the maximum achievable window openings
- Determine Steel Wall construction requirements, including noggings and deflection head tracks
- Understand how sloped ceilings and bulkheads are constructed



For more information regarding SKILLS 3 for Advanced, speak with your Rondo Sales Representative or register your interest to training@rondo.com.au

update

EASY TO FIND: YOUR RONDO DISTRIBUTOR LOCATOR

We supply our products to a large network of Authorised Rondo Distributors throughout Australia, New Zealand, Asia, India and the Middle East.

With over 700 distributors worldwide, we ensure our products are available when and where our customers need them.

To locate an Authorised Rondo Distributor nearest to you, use the "Distributor Locator" on our website www.rondo.com.au or go directly to it by scanning the QR code below.



update

LET'S CONNECT

Rondo has an industry-leading presence on social media platforms, particularly Facebook, YouTube and LinkedIn.

We provide up-to-date information on new product releases, current building projects, and technical questions and feedback... PLUS plenty of giveaways exclusive to our fans.



project

PROJECT NEWS: PRIMA PEARL APARTMENTS, VIC



Rondo has once again delivered exceptional expertise and technical assistance during the design and construction of Melbourne's Prima Pearl, residential skyscraper.

Work has commenced on this prestigious 667 apartment landmark, which boasts unparalleled amenities across 72 levels, some of which include a private cinema, virtual golf driving range and Level 67 Sky Lounge.

By assisting Brookfield Multiplex Constructions' architects at the design stage, Rondo has ensured our products are readily accessible on site, resulting in less design enquiries during construction. Rondo will be supplying the project with Stud and Track in 64mm, 76mm and 92mm sizes, KEY-LOCK® Concealed Suspended Ceiling System and PANTHER® Access Panels.

Victoria's Prima Pearl \$200 million project has been confirmed to be completed by April 2015 and, upon completion, the building will stand 254m high, making it the fourth tallest building in Melbourne, and fifth tallest in Australia.

project

PROJECT NEWS: MIDLAND HEALTH CAMPUS, WA



Western Australia's State Government and the Commonwealth Government are each contributing \$180 million to the design and construction of Midland's Health Campus. In excess of 125,000 Lineal Meters of Rondo product will be used in this multi-million dollar project: special custom lengths of Steel Stud and Tracks, KEY-LOCK® Concealed Suspended Ceiling Systems and Rondo MAXIjamb® (jamb stud). The construction of this Health Campus is a direct result of a critical Public Private Partnership strategy to enable greater ease of accessibility, respite and hospital care closer to the eastern suburbs of Perth. Midland Health Campus will be the first major hospital facility to be erected within the area for more than 50 years.

project

PROJECT NEWS: ADELAIDE OVAL, SA



Following our supply of materials for the Western Grandstand at Adelaide Oval, Rondo provided products for the external facade and internal walls and ceilings for the new southern and eastern stands. For the external façade, contractor Cladding and Roofing used Rondo's Top Hats and externally designed KEY-LOCK® Concealed Suspended Ceiling System, as well as Rondo's heavy duty 681/680 92mm Stud Framing and Bulkhead System. The interior fitout contractors, Laser Linings and Expoconti, have been using a number of Rondo products including 64mm, 92mm and 150mm Stud Wall Systems and 92mm QUIET STUD® Acoustic Wall System in the corporate facility areas and KEY-LOCK® Concealed Suspended Ceiling System, DUO® Exposed Grid Ceiling System and Exangle® Finishing Sections throughout. A fourth contractor, F&V Ceilings, used Rondo products in the media boxes on both western and southern grandstands.

A specific design was engineered by Rondo for the external wall applications, which resolved the challenges posed by crowd impact on walls. Other complexities included the acoustic requirements for the media boxes on both stands and in the corporate areas, as well as requirements for fire-rated walls. Rondo's combination of innovative high-quality products, efficient supply, expert technical advice and experience in demanding projects enabled the façade and fitout teams to deliver superior results and meet all the required milestones in a timely manner.

"The time schedule has been tight, with many deadlines required for completion, such as getting the base oval functional for the Ashes Test late in 2013", said Rondo State Manager, SA/NT, Ivar Spanovskis.

project

PROJECT NEWS: P1 MALAGA DATA CENTRE, WA



Rondo's products were specifically requested in the design process for Australia's most environmentally sustainable data centre in Malaga, Western Australia. Perth's first and only carrier-neutral colocation Data Centre is designed and built with the latest data centre technologies to promote continuity for energy-efficient technology and security.

P1's construction timeline estimated 15 months to completion, allocating time for design reviews and adjustments.

The initial door framing sections specified in the design plans were reviewed for the project's construction. Rondo Technical Sales Representative, Paul Bowden, worked with Complex Ceilings, along with the assistance of Rondo's Technical Team, to specify a suitable option in the use of Rondo's MAXIJamb® profile. Complex Ceilings expressed their satisfaction with the product and commented on its ease of installation.

Rondo's 92mm Stud and Track Wall Framing, and KEY-LOCK® Concealed Suspended Ceiling System were also selected for use on the project, which was officially opened in late February.

Aussie Plastaboard supplied Rondo with exceptional quality and service throughout this project, with specific thanks to Dominic Crisoma and James Moore.

PROJECT NEWS: VICTORIAN COMPREHENSIVE CANCER CENTRE, VIC



The \$1 billion world-class Victorian Comprehensive Cancer Centre (VCCC) is a purposely-built facility for cancer research, treatment and care in the heart of Melbourne. It is one of the largest and most complex construction projects currently underway in Australia, and upon completion in 2016, will set a new benchmark in the consultative design and construction of hospitals. The VCCC is being developed on the former dental hospital (FDH Building Site) in the biomedical research precinct to the Royal Melbourne Hospital, connected by new bridging and decking structures.

Grocon have a joint venture partnership with PCL, who are currently enlisting the skills of contractors Arc Plaster, Upgrade Interiors and Comcraft Constructions and will maintain the recruitment of additional contractors where deemed necessary as the project progresses.

Design requirements had to be completed prior to commencement of trades, with an extensive design folder put together by Rondo's Technical Services Team. The design of all wall types for the entire project were carried out by Grocon's engineering department, assisted by Rondo's own Engineers.

Since the project's commencement, Rondo has been supplying wall and ceiling systems, including; 92mm x 0.75bmt, 150mm x 0.75bmt and 64mm x 1.15bmt Steel Stud, Deflection Head Tracks, Base Wall Track, Speed Panel Track and KEY-LOCK® Concealed Suspended Ceiling Systems. Rondo has also been conducting weekly site inspections at the project to ensure that works are being carried out according to specification and to be on hand to assist with any technical queries.

Image supplied by the Department of Health (Victoria)



1964



2014

Some things will never change...

While technology has changed over the past fifty years, our commitment to using the latest technology and most efficient manufacturing processes hasn't.

With our constantly-evolving manufacturing methods, we have been able to produce orders quickly and efficiently, as well as having the flexibility to meet specialised customers' requirements, placing us at the forefront of the industry.

And we plan to keep on doing just that for the *next* fifty years.

Now that's something to celebrate.

MANUFACTURING
CAPABILITIES

FIFTIETH **50** ANNIVERSARY

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