

 **SPEEDPANEL**

PROJECT PORTFOLIO

A CURATED ALBUM, HIGHLIGHTING THE *SPEED, PERFORMANCE & VERSATILITY* OF **SPEEDPANEL®** FIRE & ACOUSTIC RATED WALL SYSTEMS IN AUSTRALIAN CONSTRUCTION PROJECTS.

HIGH-RISE & INFRASTRUCTURE

MULTI-RESIDENTIAL

INDUSTRIAL & CINEMA

TEMPORARY WALLS



SAFE & SOUND



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655 COLLINS ST, MELBOURNE C.B.D. ,VIC

PROJECT: MEDIA HOUSE
CLIENT: GROCON
ARCHITECT: BATES SMART
STATUS: COMPLETED 2009
PROJECT COST: \$110 million

SPEEDPANEL® APPLICATIONS:

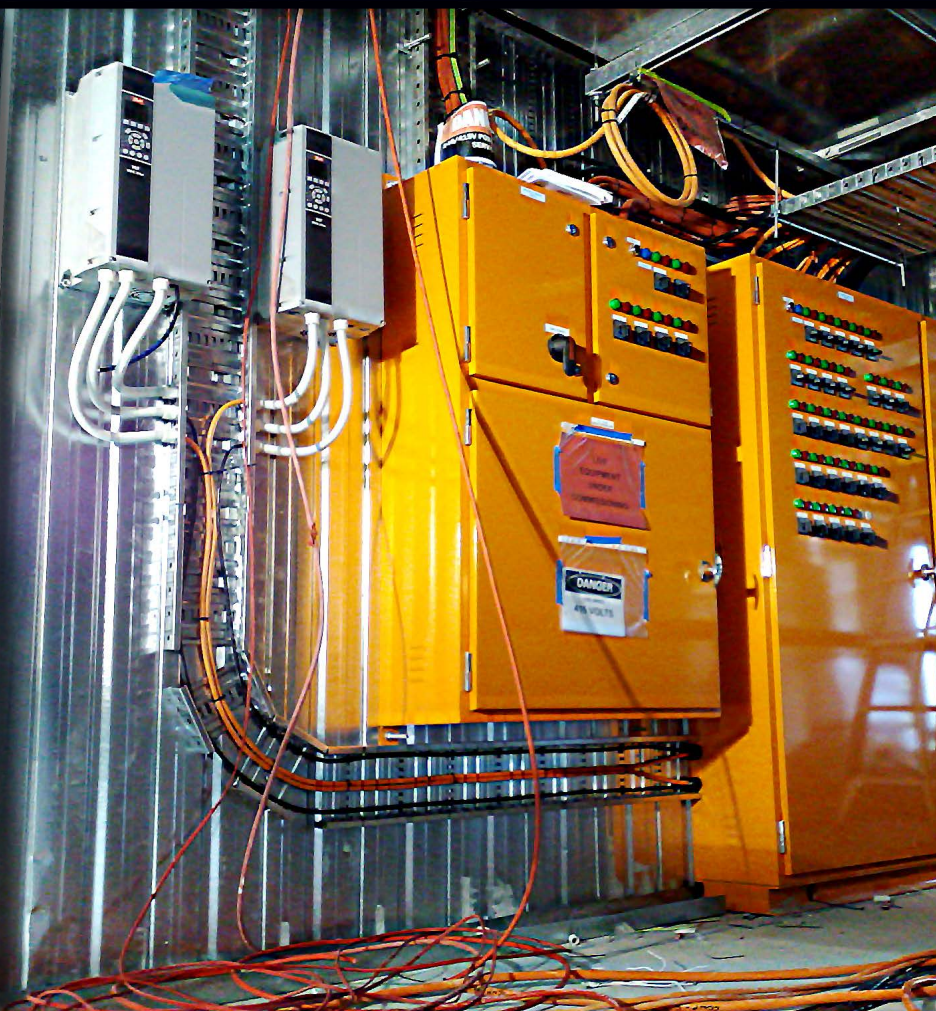
- SERVICE SHAFTS
- PLANT ROOMS

"THE AGE" BUILDING

This award winning 5-star, Green Star rated facility is home to multiple media outlets including Fairfax, The Age, Australian Financial Review and 3AW. Project challenges included building over the rail lines without disruption to commuters.

Speedpanel® was extensively used around all shafts and plant rooms fulfilling both fire and acoustic requirements but also offering major program savings due to the speed of installation.

MEDIA HOUSE





750 COLLINS STREET, DOCKLANDS,
MELBOURNE, VIC

PROJECT: AXA OFFICE COMPLEX
CLIENT: GROCON
ARCHITECT: WEBBER AUSTRALIA
STATUS: COMPLETED 2007
PROJECT COST: \$100M

SPEEDPANEL® APPLICATIONS:

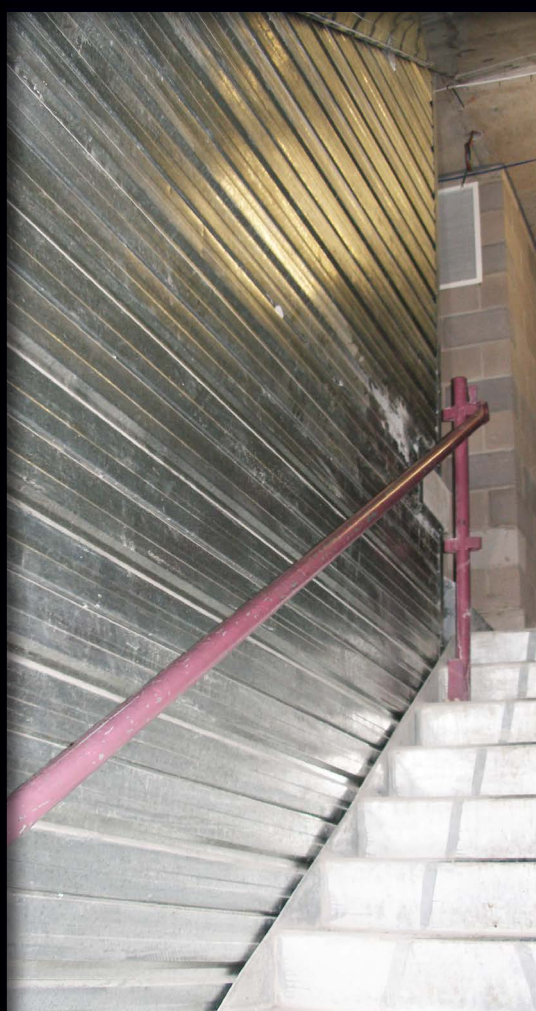
- PRESSURISED SHAFTS
- FIRE STAIRWELLS
- FIRE SEPARATION WALLS

PROFITABILITY FROM EFFICIENCY

This exciting campus-style office development contains 40,000 square meters of office space, 4,000 square meters of retail space and 420 car parks. Speedpanel® was used to construct all duct risers providing the required fire protection in continuous walls built from basement to rooftop over 30m.

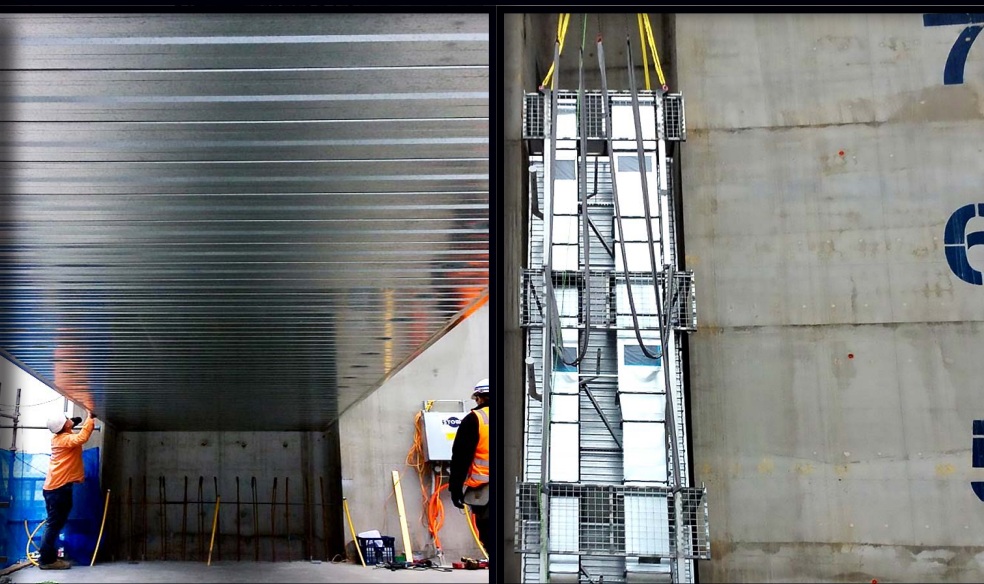
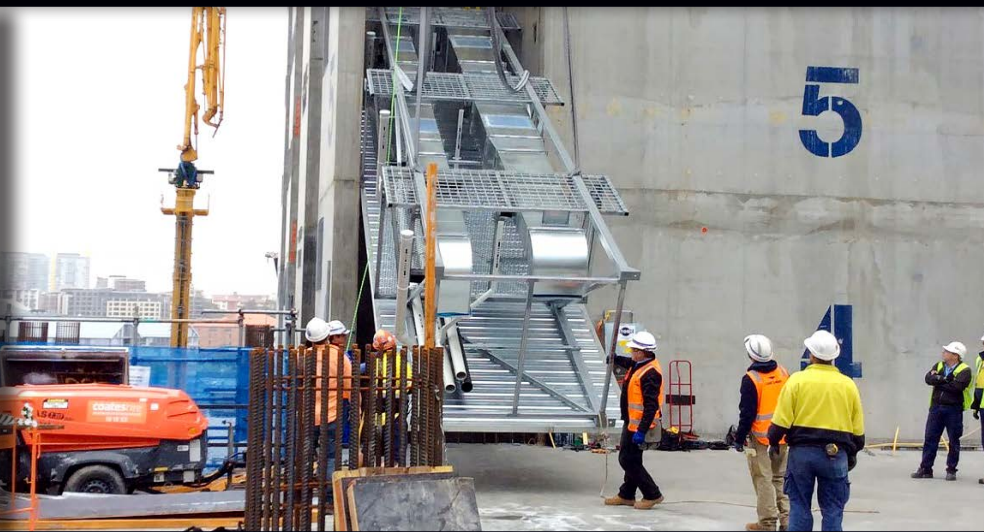
Speedpanel® has the ability to seal the joints on the duct riser panels replacing the vertical ducts altogether. By using the horizontal installation method of Speedpanel® the walls were built in a "continuous stack" spanning the overall height of the building without any additional structure.

AXA CENTRE





BARANGAROO SOUTH



21/201 KENT ST, SYDNEY NSW

PROJECT: BARANGAROO SOUTH

T1, T2, T3, R8 & R9

CLIENT: LEND LEASE

ARCHITECTS:

ROGERS STIRK HARBOUR + PARTNERS / RENZO PIANO BUILDING WORKSHOP / WILKINSON EYRE ARCHITECTS / FRANCIS-JONES MOREHEN THORP / PEDDLE THORP & WALKER / TZANNES ASSOCIATES / TONY CARO ARCHITECTS / HASSELL / DURBACH BLOCK JAGGERS / COLLINS & TURNER / SKIDMORE, OWINGS & MERRILL / PWP LANDSCAPE ARCHITECTURE / GRANT ASSOCIATES / ASPECT / OCULUS

STATUS: VARIOUS STAGES OF COMPLETION 2015 & 2016.

PROJECT COST: \$6+ BILLION

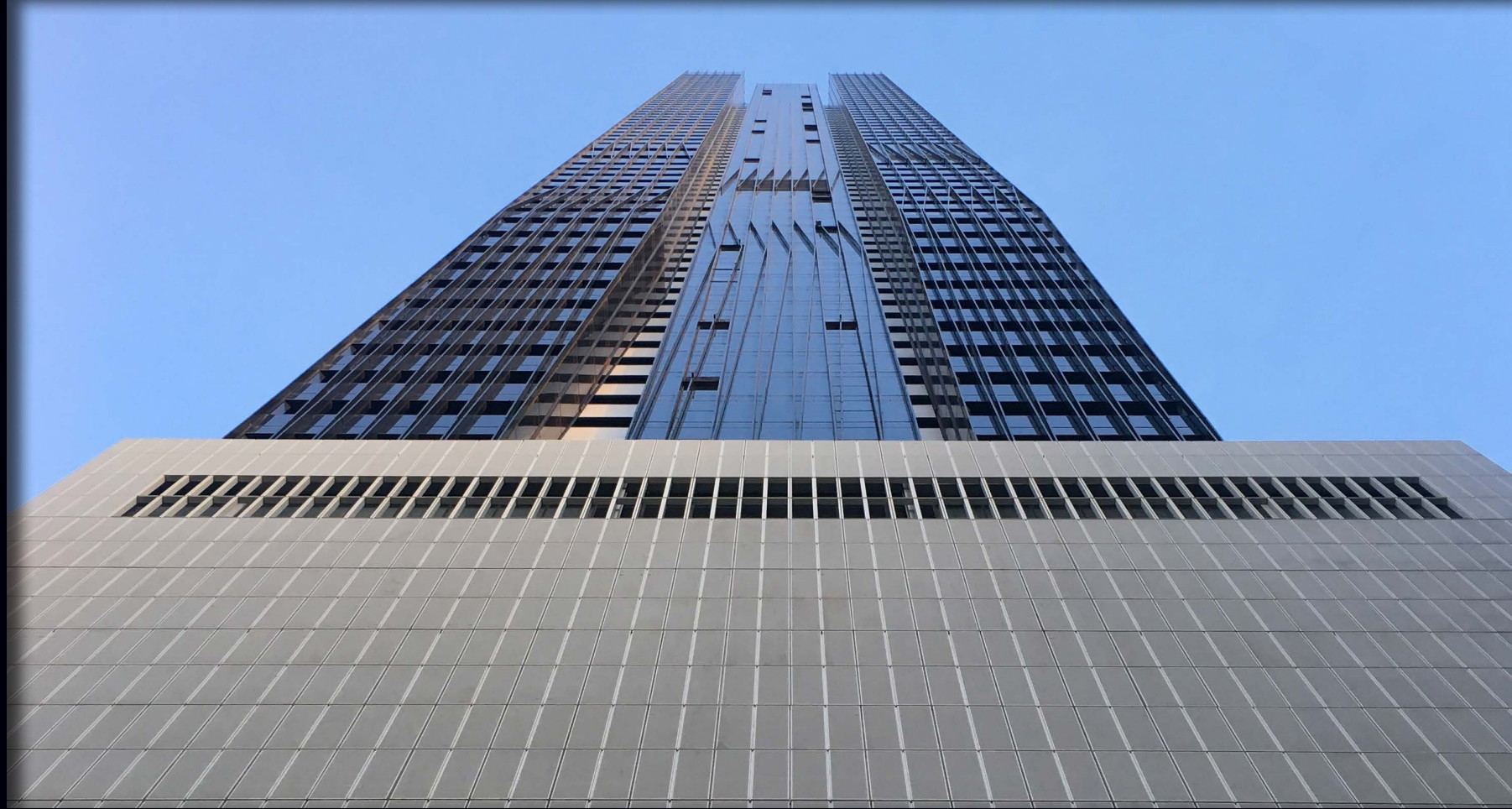
SPEEDPANEL® APPLICATIONS:

- FIRE WALLS
- ACOUSTIC WALLS
- PREFABRICATED CRANE- IN SHAFTS
- SHAFTS & RISERS

TOWERS 1,2,3 - R8 & R9

This waterfront development is made up of multiple world class buildings including office space, premium residential buildings together with shopping, dining, hotel, hospitality and public spaces.

Speedpanel® was used in multiple towers within the shaft and riser areas for its ability to stack to unlimited heights and be installed easily with no need for scaffolding. T3 also included a pre-fabricated crane- in service riser where Speedpanel® had already been attached at an off site factory.



568 COLLINS

MELBOURNE



568 COLLINS ST, MELBOURNE C.B.D.,
VIC

PROJECT: 568 COLLINS
CLIENT: HICKORY
ARCHITECT:
BRUCE HENDERSON
ARCHITECTS
STATUS: COMPLETED 2015
PROJECT COST: \$68M

SPEEDPANEL® APPLICATIONS:

- FIRE SEPARATION WALLS IN BETWEEN PREFABRICATED PODS

MODULAR POD INTEGRATION

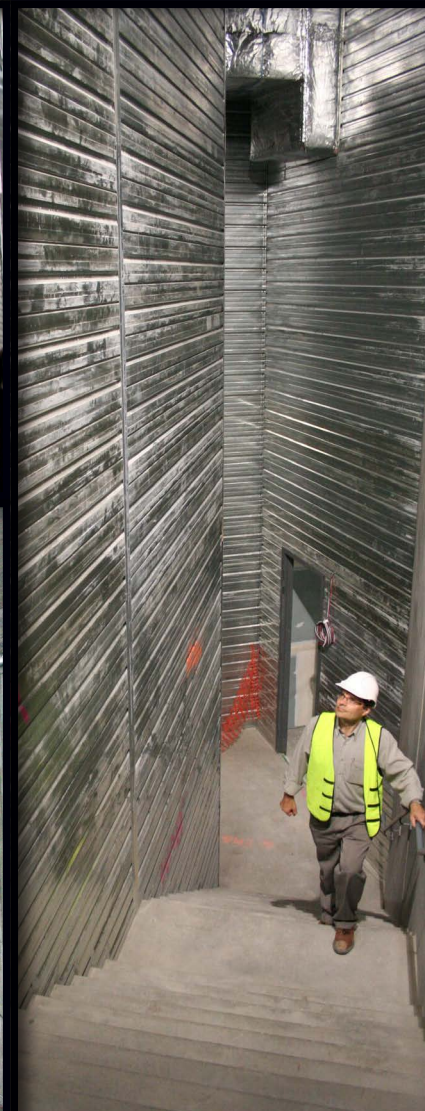
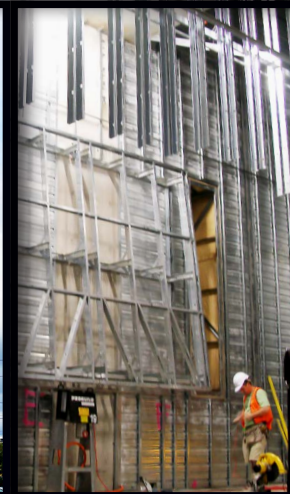
This tall and narrow 224 metre tower in Melbourne's CBD built over 65 levels containing 588 apartments was able to gain several benefits through pre-fabricated crane-in bathroom pods.

Speedpanel® was the perfect choice for fast and simple fire separation walls in between the pre-fabricated pods. Project timelines around the pods were easily met and trade coordination was drastically increased due to this combination of modular construction.





UNIVERSITY OF MELBOURNE



198 BERKELEY ST, CARLTON, VIC

PROJECT: MELBOURNE UNIVERSITY "THE SPOT"
CLIENT: PROBUILD
ARCHITECTS: METIER 3
STATUS: COMPLETED - 2009

SPEEDPANEL® APPLICATIONS:

- PLANT ROOMS
- STAIRWELLS
- BACK OF HOUSE AREAS
- FACADE SUBSTRATE

Faculty of Business & Economics

"The Spot"

The first building in the educational sector to achieve the 5-star, Green Star target rating under the green building council's pilot educational tool, completed on time and under budget.

This 13 storey building encompasses 6 levels of collaborative teaching areas and 6 levels of academic offices together with a roof top plant room.

Speedpanel® demonstrated its versatility throughout several applications on this project, providing non load-bearing fire rated and acoustic walls within fire stairwells, plant and service areas and other separation walls.



20 MARTIN PLACE

SYDNEY

 20 MARTIN PLACE, SYDNEY C.B.D.,
NSW

PROJECT: 20 MARTIN PLACE,
CLIENT: BUILT
ARCHITECTS: CRONE PARTNERS /
JAMIE CARPENTER & ASSOCIATES
STATUS: COMPLETED SEPT.
PROJECT COST: \$110M

SPEEDPANEL® APPLICATIONS:

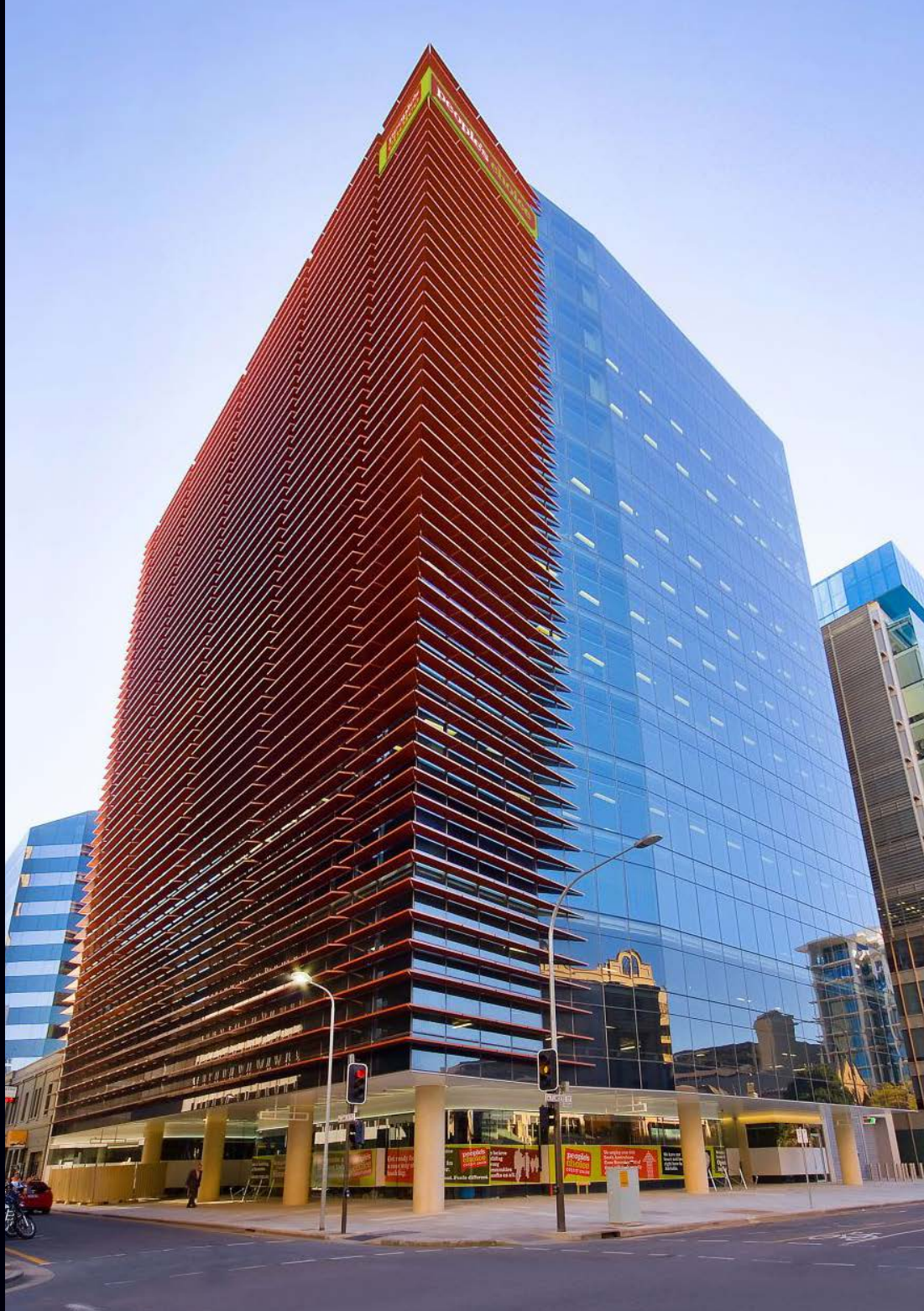
- SCISSOR STAIRS
- SERVICE AREAS

'TOP OUT' SOONER!

This project involved the complete reconstruction of the out-dated 20-storey 1970s office building transforming it into a signature building in the heart of Sydney's CBD. A new high-performing, environmentally responsive façade system, sets a world-class standard for energy efficiency in commercial buildings.

On this build the horizontal stack method of Speedpanel® was used within the scissor stairs. When Speedpanel® is installed this way it's certified to act as a continuous fire wall to unlimited heights, assisting fast installation second to none.





50 FLINDERS ST, ADELAIDE C.B.D, S.A.

PROJECT: 50 FLINDERS ST, ADELAIDE
CLIENT: HANSEN YUNCKEN
ARCHITECT: JPE DESIGN STUDIO /
 ASHLEY HALLIDAY ARCHITECTS
STATUS:
 COMPLETED 2015.
PROJECT COST: \$140M

SPEEDPANEL® APPLICATIONS:

- CURVED CARPARK WALLS
- PREFABRICATED CRANED-IN SHAFTS

START-STOP FLEXIBILITY

This 23,000m² tower includes 12 levels of office accommodation, two parking levels, retail banking, crèche, café and a public lobby.

Speedpanel® was chosen for the car park wall areas, and also utilised within pre-fabricated crane-in service riser modules. The Speedpanel® was made to length and attached to the steel frame in a factory off site, then craned into position. The ability to start and stop Speedpanel® walls made for ease of connection once in place.



ADELAIDE 50 FLINDERS ST





681 CHAPEL STREET, SOUTH YARRA, VIC

PROJECT: AVENUE APARTMENTS
CLIENT: ICON CONSTRUCTIONS
ARCHITECT: ELENBERG FRASER
STATUS: COMPLETED MAY, 2014
PROJECT COST: \$50.5M

SPEEDPANEL® APPLICATIONS:

- SCISSOR STAIRS
- SERVICE SHAFTS
- GARBAGE CHUTES

AESTHETIC FIRE WALLS

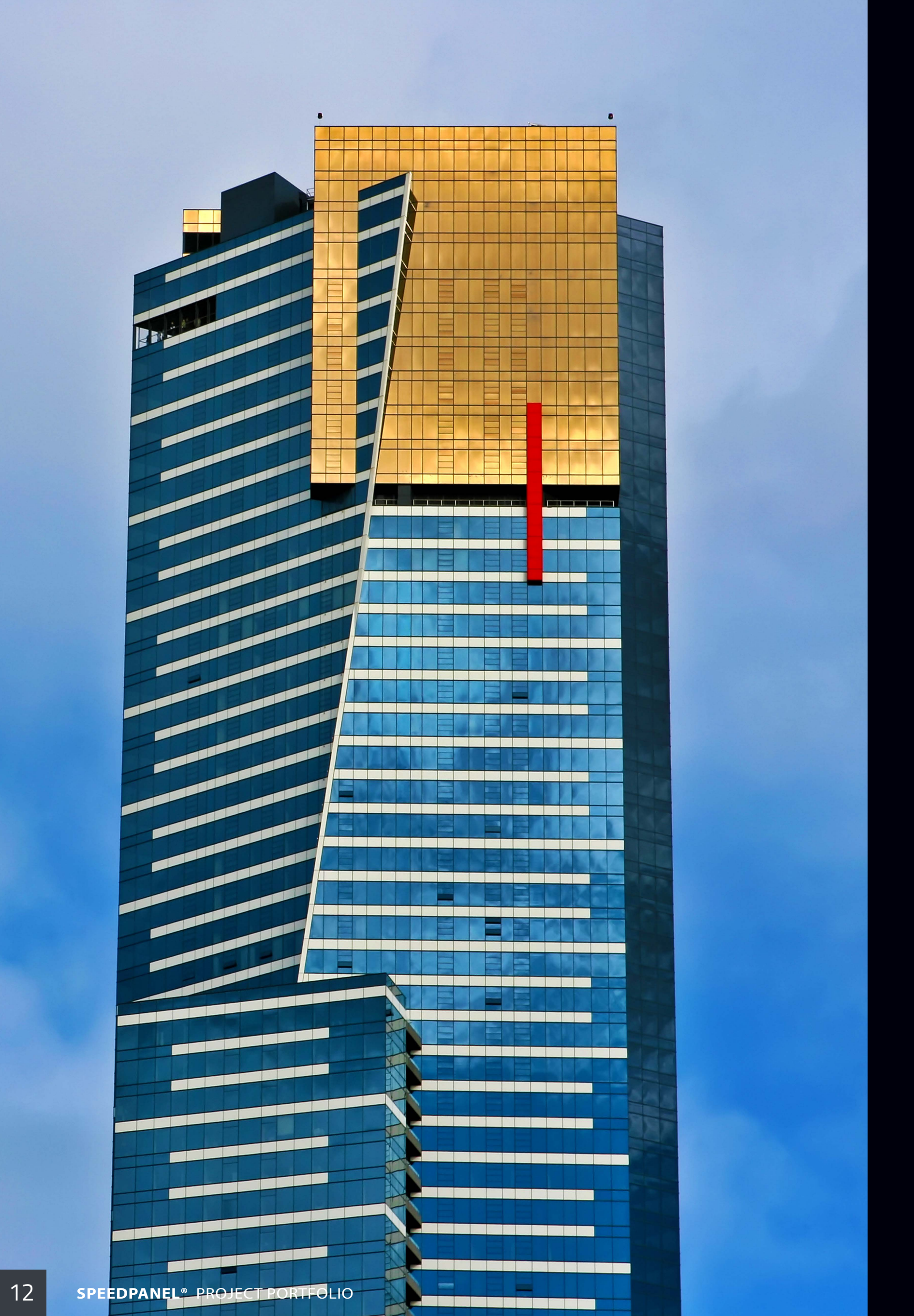
Prominently positioned on the corner of Chapel St and Alexandra Ave and boasting uninterrupted City and Yarra River views, Avenue apartments represent the peak of contemporary design in one of Melbourne's most affluent and highly sought after inner city suburbs.

This project incorporates 16 storeys of 182 apartments, and includes two basement levels and a retail space at ground level. Its signature feature is a striking curved concrete structure and glass curtain wall façade extending across the full breadth of the building.

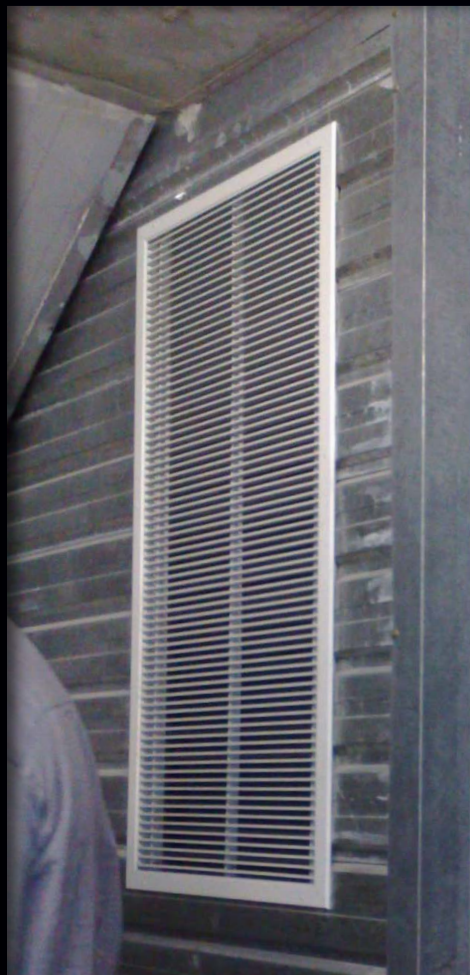
Speedpanel® was used to fire rate the scissor stairs, shafts and risers of the apartment building. Additionally, as seen in the images below, Speedpanel® was also used to construct the garbage disposal chutes.

MELBOURNE AVENUE APARTMENTS





EUREKA TOWER



7 RIVERSIDE QUAY, SOUTHBANK, VIC

PROJECT: EUREKA TOWER
CLIENT: GROCON
ARCHITECT: FENDER KATSALIDIS
STATUS: COMPLETED - OCTOBER 2006
PROJECT COST: \$500M APPROX

SPEEDPANEL® APPLICATIONS:

- SCISSOR STAIRS
- FIRE ESCAPES

24-CARAT GOLD PLATED GLAZING

This iconic project is one of the world's tallest residential buildings at over 300 metres in height and containing 550 apartments. It is a major tourist attraction to Melbourne with its exceptional views from the Skydeck and Edge experience.

Speedpanel® has a unique ability to continuously stack to unlimited heights providing major time and structural savings within the fire escape stairwells. Speedpanel® walls within these stairwells are continuous over 80 floors.





CNR LONDON CIRCUIT & EDINBURGH
AVE, CANBERRA, ACT

PROJECT:
METROPOLITAN APARTMENTS
CLIENT:
AMALGAMATED PROPERTY GROUP /
HINDMARSH
STATUS: COMPLETED AUGUST 2007
PROJECT COST: \$130M

SPEEDPANEL® APPLICATIONS:

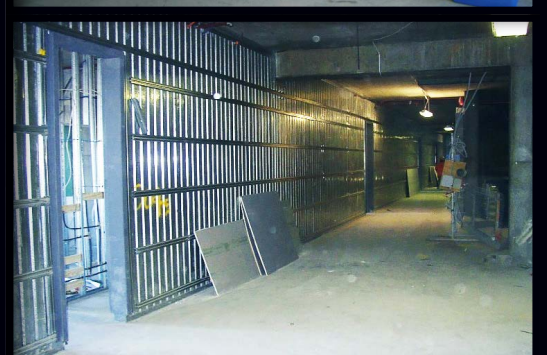
- INTERTENANCY WALLS
- CORRIDOR WALLS
- SHAFT WALLS
- FIRE ESCAPE
- CAR PARK VENTILATION WALLS

AWARD WINNING

This award winning development comprises 8 buildings covering an entire city block. The lively urban development contains a total of 342 apartments and notably achieved 100% in pre-construction sales.

Speedpanel® was used extensively for fire and acoustic performance throughout the intertenancy & corridor walls as well as within the shaft, fire escape & car park ventilation walls. By allowing all trades increased speed of access to the workface, the use of Speedpanel® resulted in savings positively effecting the project's critical path while ensuring all quality standards were met.

METROPOLITAN APARTMENTS





35 QUEENSBIDGE SQUARE,
MELBOURNE, VIC

PROJECT: PRIMA PEARL APARTMENTS
CLIENT: BROOKFIELD MULTIPLEX
ARCHITECT: DETAIL 3
STATUS: COMPLETED - MARCH 2014

SPEEDPANEL® APPLICATIONS:

- FIRE ESCAPES
- INTERTENANCY WALLS
- CORRIDOR WALLS

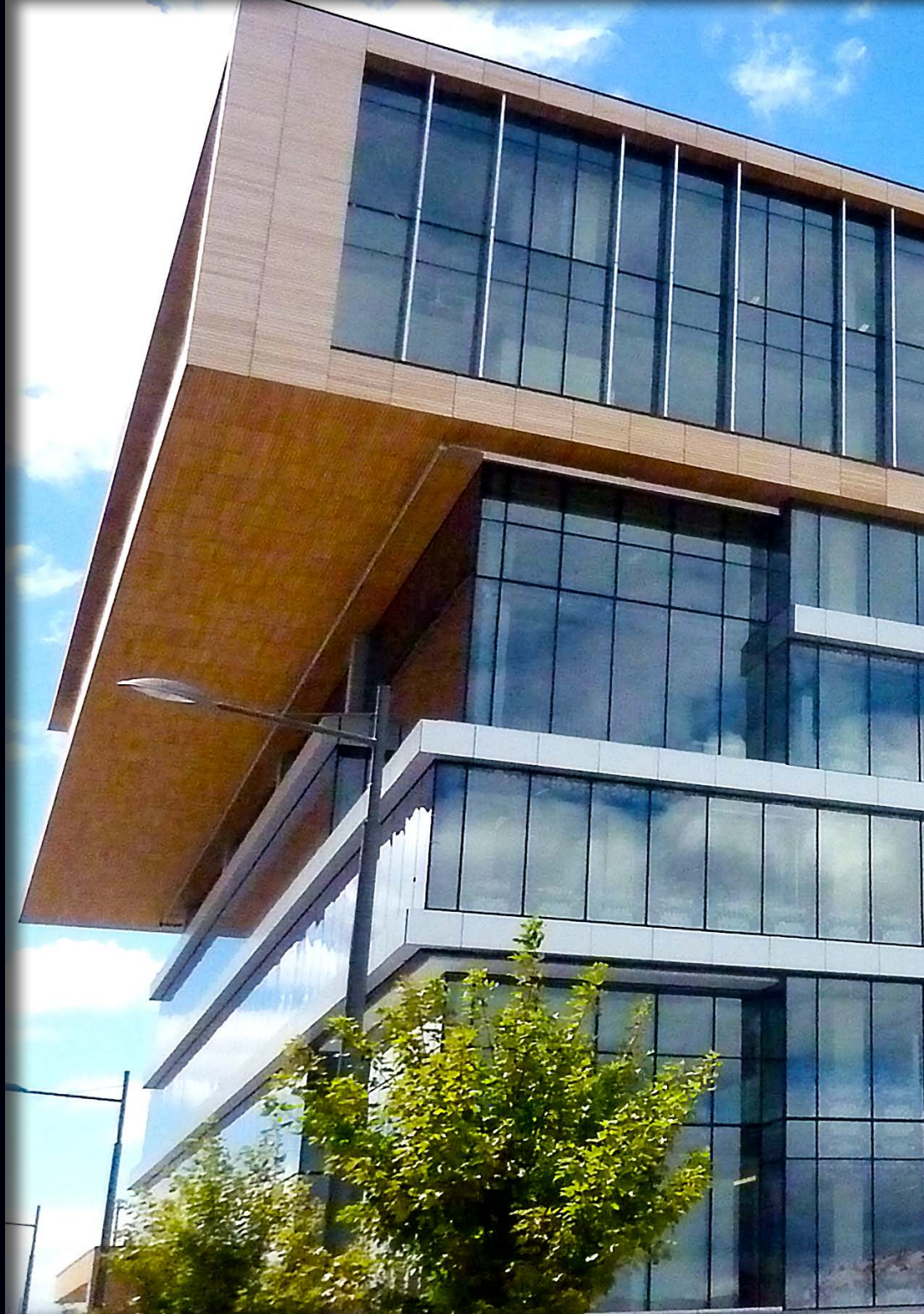
LUXURY APARTMENT SOUND PROOF WALLS

At 255 metres high this 72 level tower is Melbourne's second tallest residential building featuring 680 designer apartments and other resort-like amenities including pool, spa, sauna, gymnasium and cinema amongst their commercial showroom space.

Speedpanel® was selected as a lightweight intertenancy wall solution, with a significantly small footprint to meet the high end acoustic requirements of the client. Speedpanel® can be used in the early stages of construction, before the façade has been installed due to its weather resistant properties and high wind loading performance. Superior acoustic properties and security are further benefits that set Speedpanel® apart from alternative solutions on the market.

PRIMA PEARL TOWER





165-169 THOMAS ST, DANDENONG, VIC

PROJECT: (G.S.O.)
GOVERNMENT SERVICES OFFICE,
DANDENONG
CLIENT: GROCON
ARCHITECT: HASSELL
STATUS:
COMPLETED 2012
PROJECT COST: \$68M

SPEEDPANEL® APPLICATIONS:

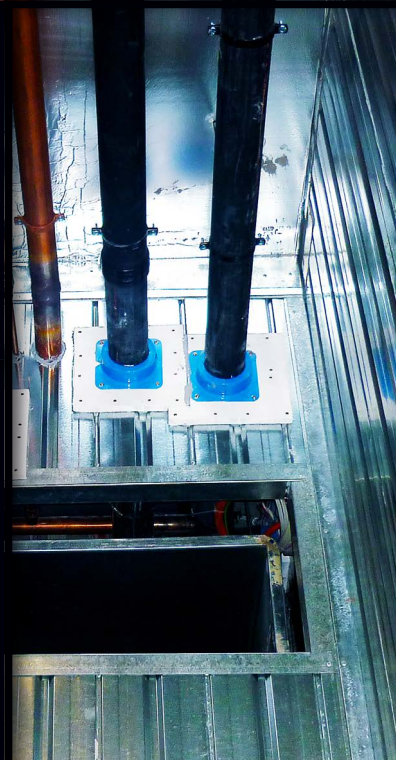
- FIRE ESCAPE STAIRS
- SHAFTS
- SERVICE RISERS
- CARPARK PLENUM WALLS
- LIFT / LOBBY AREAS
- TALL TENANCY WALLS

**SPEEDPANEL®
FULLY INTEGRATED**

This 6-star, Green Star rated office building houses four government departments, and was one of the first buildings to achieve this Green Star rating in the Dandenong area.

Speedpanel® was used in the fire escape stairs, shafts and service risers along with car park plenum walls, lift lobby areas and lower level tall tenancy walls. Ease of certification due to extensive penetration testing and assessments of Speedpanel® Systems aided building sign off.

G.S.O. GOVERNMENT SERVICES OFFICE





717 BOURKE ST, MELBOURNE C.B.D, VIC

PROJECT: 717 BOURKE
(CHANNEL 9 OFFICES)
CLIENT: PROBUILD
ARCHITECT: METIER3
STATUS: COMPLETED - 2010

SPEEDPANEL® APPLICATIONS:

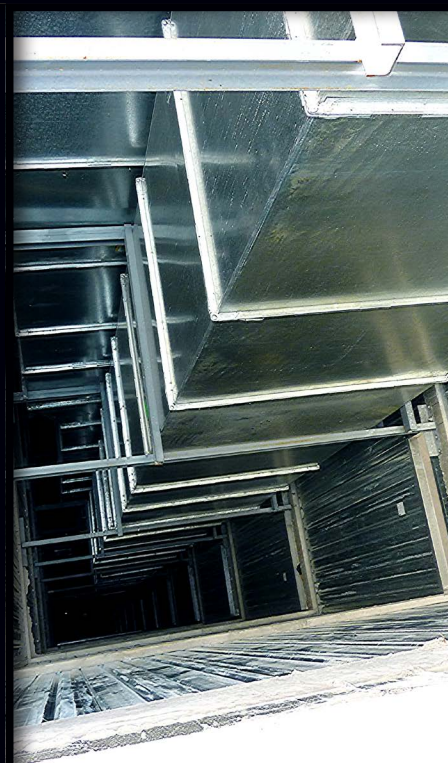
- SHAFT & RISER WALLS
- PLANT ROOMS
- SERVICE CUPBOARDS
- FIRE & ACOUSTIC SEPARATION WALLS

MAJOR PROGRAM FLEXIBILITY

This 5-star, Green star rated project is located at one of Docklands busiest intersections. Now the headquarters for Channel 9, this project contains retail space, car parking, a hotel, five podium levels and two multi-level towers.

Speedpanel® was implemented extensively throughout the building for both fire and acoustic separation walls in shaft and plant areas. Quick to install, Speedpanel® allows extra program savings by engaging other trades earlier in the build which reduces multiple weeks in overall construction time.

717 BOURKE STREET





720 BOURKE STREET,
MELBOURNE C.B.D. ,VIC

PROJECT:
MEDIBANK PLACE, DOCKLANDS
CLIENT:
BROOKFIELD MULTIPLEX
ARCHITECT: HASSELL
STATUS: COMPLETED JUNE 2014
PROJECT COST: \$440M

SPEEDPANEL® APPLICATIONS:

- FIRE ESCAPE STAIRS
- SHAFTS
- SERVICE RISERS
- CARPARK PLENUM WALLS
- LIFT / LOBBY AREAS
- TALL TENANCY WALLS

6 STAR - GREEN STAR

This targeted 6-star, Green Star project is a prestigious 16 level commercial use building containing office space, retail and food premises, gym and multi-purpose sporting facilities and the Medibank clinic on the concourse.

Speedpanel® was used for fire and acoustic purposes in the fire escape stairs, shaft and service risers, car park plenum walls, lift lobby and plant room areas throughout the building.

DOCKLANDS MEDIBANK PLACE





80 PYRMONT STREET, PYRMONT NSW

PROJECT:
THE STAR, ENTERTAINMENT PRECINCT
(SYDNEY)
CLIENT: BROOKFIELD MULTIPLEX
ARCHITECT: FITZPATRICK & PARTNERS /
BUCHAN GROUP
STATUS: COMPLETED 2013
PROJECT COST: \$100M

SPEEDPANEL® APPLICATIONS:

- HIGH PERFORMANCE ACOUSTIC WALLS
- TEMPORARY WALLS

EXCITEMENT CONTAINED

With its commercial nature in mind, Brookfield Multiplex managed to maintain operational functions within this site as well as minimising disruption caused by noise, dust and vibration during the construction of the 3000 seat multi-use entertainment facility and casino refurbishment. Its 16m height is split into three levels which include a theatre and loading dock.

The design includes double layers of Speedpanel® horizontally installed as acoustic walls which will provide high sound energy absorbance & sound reduction across all acoustic bands to meet performance requirements. Speedpanel® is extensively used throughout many fire and acoustic rated walls. The entire dual skin wall around the perimeter of the facility provided the simplest solution for fire and acoustic walls that could be built in extremely tight areas due to the external façade structure.

Image Source: Brookfield Multiplex

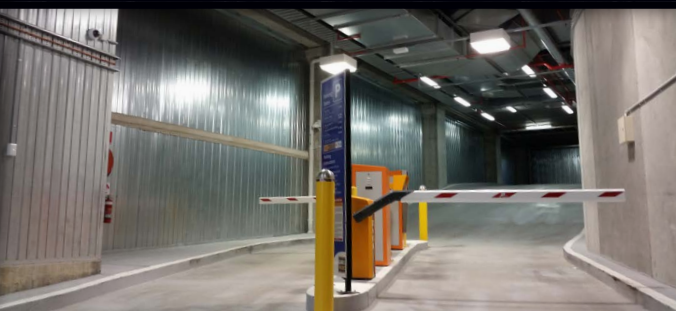
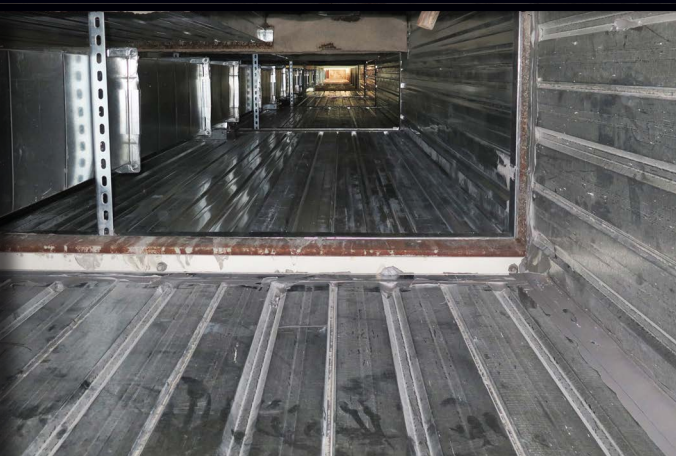
ENTERTAINMENT PRECINCT THE STAR





ATO

THE AUSTRALIAN TAXATION OFFICE



990 WHITEHORSE RD, BOX HILL, VIC

PROJECT: ATO, BOX HILL
CLIENT: GROCON
ARCHITECT: COX
STATUS: COMPLETED 2013
PROJECT COST: \$118M

SPEEDPANEL® APPLICATIONS:

- CARPARK WALLS
- SHAFTS / RISERS
- FACADE SUBSTRATE

NOT JUST A WALL

A 13 level office building located at Box Hill, Melbourne has become the new home for the ATO. Approximately 19,350 sqm of A-grade office space houses up to 1250 staff. As far as green credentials go, the building targeted and achieved the prestigious 5-star, Green Star energy rating from The Green Building Council of Australia.

Throughout the 6 storey carpark Speedanel® can be seen accommodating to sloping and steps in wall heights, curves and reflective finishes.



GORE HILL DATA CENTRE

 1-5 BROADCAST WAY ARTARMON, NSW

PROJECT: GORE HILL DATA CENTRE
(SECURUS DATA PROPERTY FUND)
CLIENT: FDC
ARCHITECT: LEFFLER SIMES ARCHITECTS
STATUS: COMPLETED AUGUST 2015
PROJECT COST: \$20M

SPEEDPANEL® APPLICATIONS:

- COLOUR STEEL FIRE SEPARATION WALLS
- CORRIDOR WALLS
- REMOVEABLE PLANT ROOM WALLS

THE FASTEST DATA CENTRE CONSTRUCTION IN AUSTRALIA

This high spec data centre won the award for the NSW MBA Best Communication Building in 2012 and due to smart design and construction methodologies were able to deliver the project ahead of contracted dates.

Speedpanel® was used extensively for tall fire and acoustic separation walls throughout the data centre. The colour steel Speedpanel® surface provided a simple pre-finished aesthetic that was fast and simple to install. Easily certified service penetrations and removable wall sections were other value adding benefits which Speedpanel® brought to the project.





1 WILLIAM STREET BRISBANE



1 WILLIAM STREET, BRISBANE C.B.D, QLD

PROJECT: 1 WILLIAM STREET, BRISBANE

CLIENT: BROOKFIELD MULTIPLEX

ARCHITECT: WOODS BAGOT

STATUS:

UNDER CONSTRUCTION MID 2016

PROJECT COST: \$650M APPROX

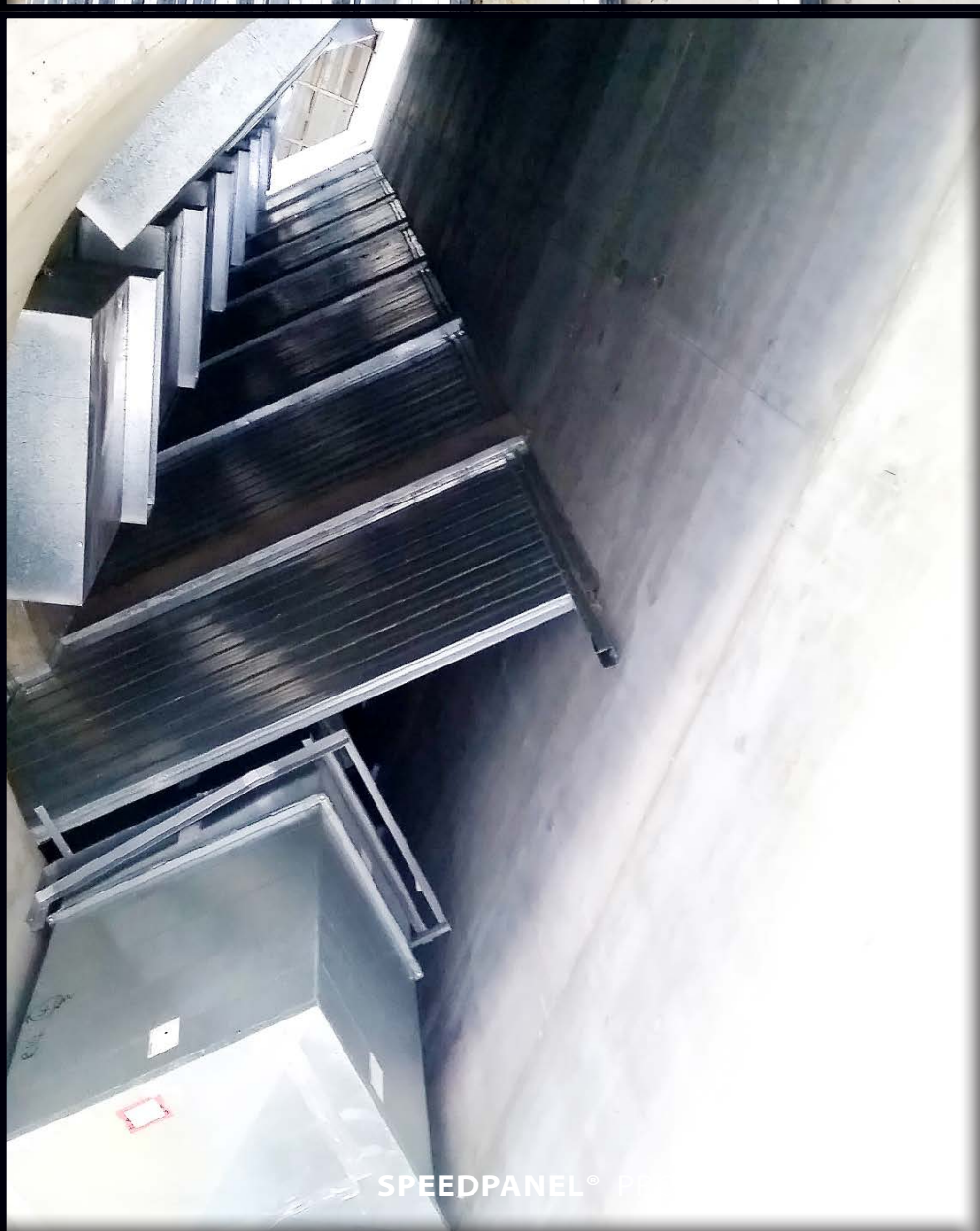
SPEEDPANEL® APPLICATIONS:

- COMPLEX SHAFTS & RISERS
- CURVED FIRE WALLS
- PLANT ROOM WALLS
- INFILL WALLS

FACILITATING COMPLEX DESIGN

Standing at 44 floors, 1 William Street will become Brisbane's tallest commercial office building. Considered a high-end office tower amongst other similar buildings, 1 William Street boasts premium grade finishes and is targeting a five star Green Star rating.

Speedpanel® was used throughout this project in the plant areas, shafts and risers. Showing prodigious versatility, Speedpanel® was once again called upon to facilitate a solution around some problematic infill walls within the concrete structure of the building.



SPEEDPANEL®



M.C.G.

MELBOURNE CRICKET GROUND REDEVELOPMENT





"THE G"

Redeveloped in the lead up to the highly successful 2006 Commonwealth Games, the stadium was under construction works during both the AFL grand final and the Boxing day cricket match to create a new northern stand containing 55,000 seats amongst other upgrades.

Installed in shaft and plant room areas, Speedpanel® also provided an acoustic substrate for grandstand infill walls for the façade system to fix to. The use of Speedpanel® reduced the requirement for additional elements of structural steel normally required for an architectural façade system of this nature.



BRUNTON AVE, RICHMOND VIC

PROJECT: M.C.G. - REDEVELOPMENT

CLIENT: GROCON

ARCHITECTS:

COX ARCHITECTURE / HASSELL

/ POPULOUS / TS & E / DARYL

JACKSON ARCHITECTS

STATUS: COMPLETED - 2006

SPEEDPANEL® APPLICATIONS:

- FACADE SUBSTRATE (ACOUSTIC BARRIER)
- PLANT ROOM WALLS
- INFILL WALLS





AAMI PARK

RECTANGULAR STADIUM

SIMPLE FIRE WALL PENETRATIONS

A rectangular sports field, AAMI Stadium features a distinctive cutting-edge Bioframe design with a geodesic dome roof structure which substantially covers the seating area. Purpose built for soccer, rugby union and rugby league. Located in the heart of Melbourne's sporting precinct by the Yarra river, it holds a capacity of 30,050 fans. AAMI stadium performs a colourful light show utilising 1544 LED lights on its external facade varying its pattern on game days.

Boasting extensive certification for fire-wall penetrations, Speedpanel® was integrated into the stadium plant rooms, taking care of multiple ducts, pipes, cables & cable trays.

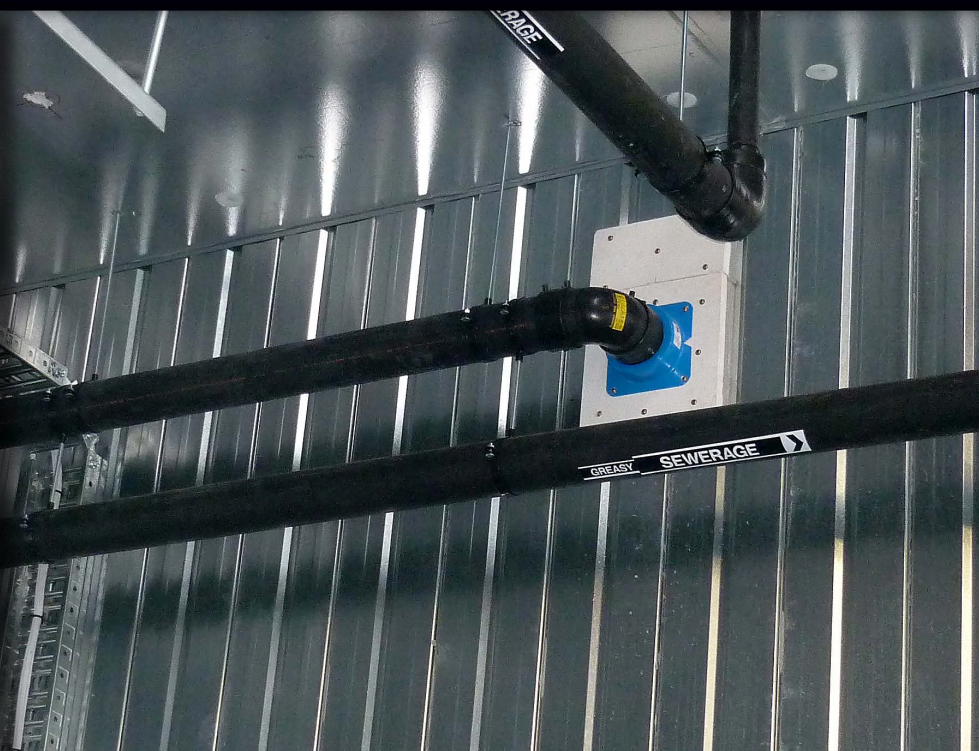


OLYMPIC BLVD, MELBOURNE, VIC

PROJECT: AAMI STADIUM
CLIENT: GROCON
ARCHITECT:
 COX ARCHITECTURE
STATUS: COMPLETED 2010
PROJECT COST: \$267.5M

SPEEDPANEL® APPLICATIONS:

- PLANT ROOM WALLS
- SHAFT & RISER WALLS





GOLD COAST

UNIVERSITY HOSPITAL

LARGE APERTURE & PENETRATIONS

The innovative dedicated teaching hospital providing 750 patient beds was designed with flexibility and technology in mind whilst ensuring that the changing and growing needs of the community were met.

Speedpanel® was chosen for the fire rated facade substrate in the atrium and the fire stair and service areas while demonstrating the ability of Speedpanel® to easily cater for large apertures and penetrations for pipes without losing required fire rating performance.



1 HOSPITAL BLVD, SOUTHPORT QLD

PROJECT: G.C.U.H
GOLD COAST UNIVERSITY HOSPITAL
CLIENT: LEND LEASE
ARCHITECTS:
 HASSELL / POWELL DODS THORPE /
 SILVER THOMAS HANLEY
STATUS: COMPLETED - MID 2016
PROJECT COST: \$1.76 BILLION

SPEEDPANEL® APPLICATIONS:

- FAÇADE SUBSTRATE
- PLANT ROOM WALLS
- SHAFT & RISER WALLS
- FIRE ESCAPE STAIRS





VCCC

VICTORIAN COMPREHENSIVE CANCER CENTRE

305 GRATTAN ST, NORTH
MELBOURNE, VIC

PROJECT:

(VCCC) - VICTORIAN COMPREHENSIVE
CANCER CENTRE

CLIENT:

GROCON / PCL

ARCHITECTS:

DESIGN INC / SILVER THOMAS
HANDLEY / MCBRIDE CHARLES RYAN
/ TS & E

STATUS:

DUE FOR COMPLETION MID 2016

PROJECT COST: \$1 BILLION

SPEEDPANEL® APPLICATIONS:

- FIRE STAIRWELLS
- PLANT ROOM WALLS
- PRESSURISED WALLS
- RISER SHAFT WALLS
- CAR PARK WALLS
- LOBBY AREAS
- COMMUNICATION ROOMS
- ELECTRICAL CUPBOARDS

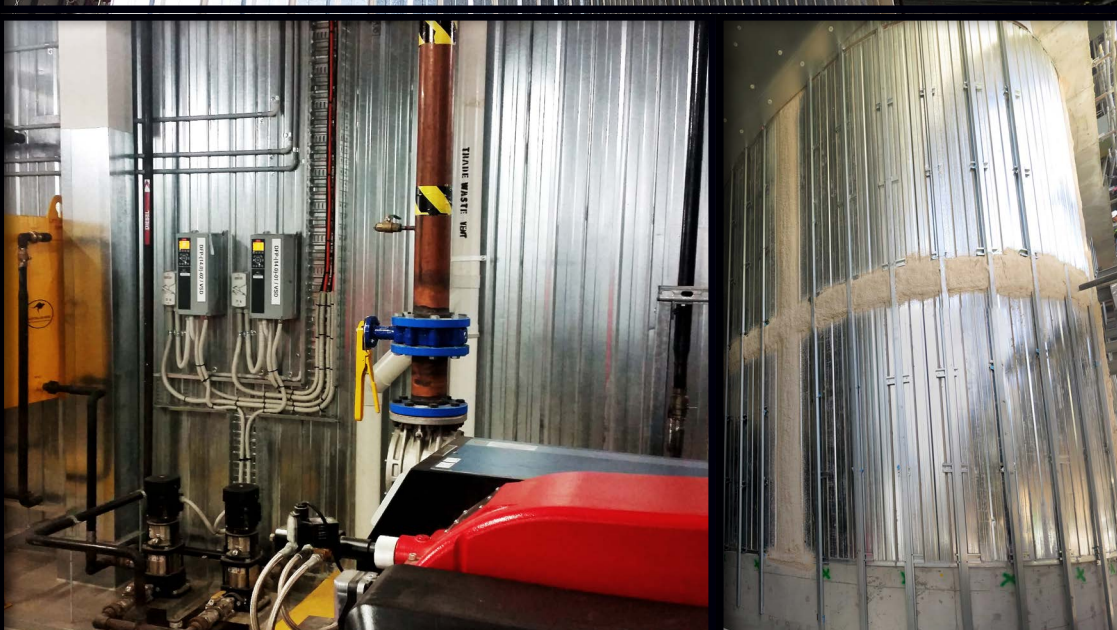
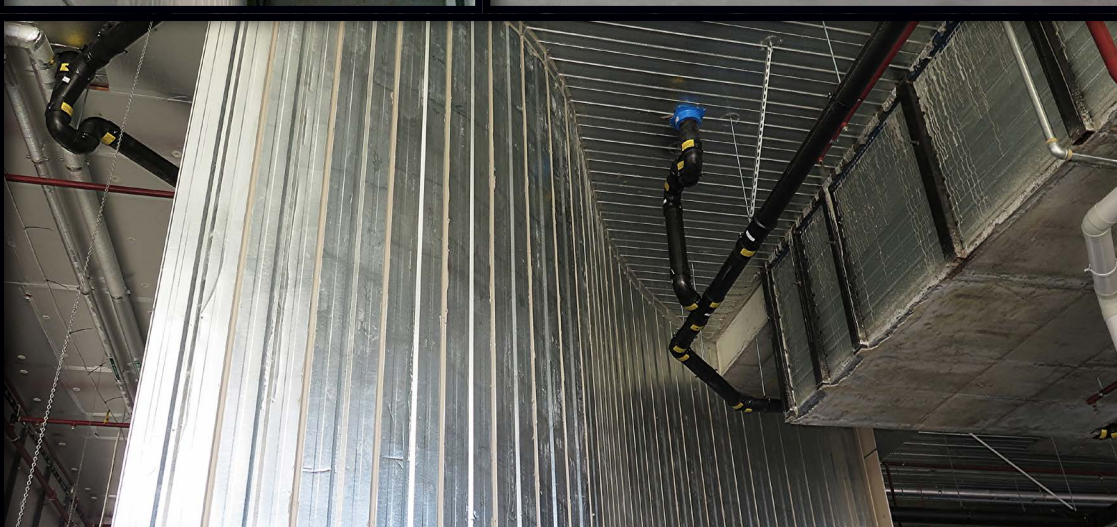
STATE OF THE ART

This purpose built world class facility has been designed and constructed for cancer research, treatment and care. It will be home to the Peter MacCallum Cancer Centre with new cancer research and clinical services for Melbourne Health and the University of Melbourne.

Used extensively throughout this project, Speedpanel® was able to speed up program time via its use within fire stairwells, plant rooms, pressurised shafts, car park and lobby areas, electrical cupboards, gas and riser shafts and communications rooms.

PROJECT FACT

Around 7,000m³ of concrete, 1,069 tonnes of steel reinforcement and 1,100 tonnes of 200mm thick plate steel has been used in the construction of the bunkers. Incredibly, the radiation bunkers make up 11 per cent of the project's total concrete volume.





NEW ROYAL ADELAIDE HOSPITAL



LOT 5 PORT RD, ADELAIDE, SA

PROJECT: (nRAH)

new Royal Adelaide Hospital

CLIENT:

(Joint Venture - HYLC)

Hansen Yuncken &
Leightons Contractors

ARCHITECT:

Silver Thomas Hanley

STATUS:

Due for Completion 2016

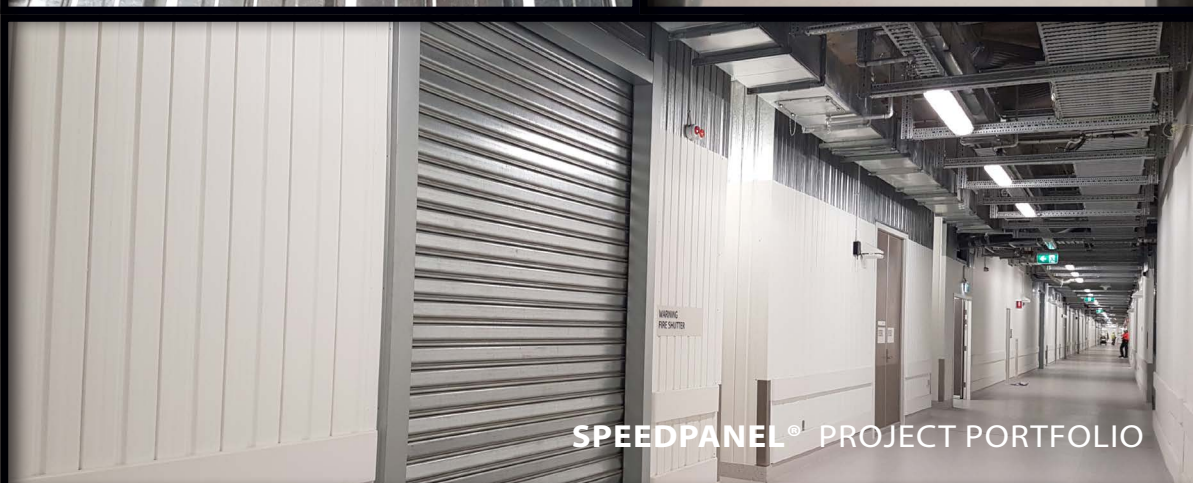
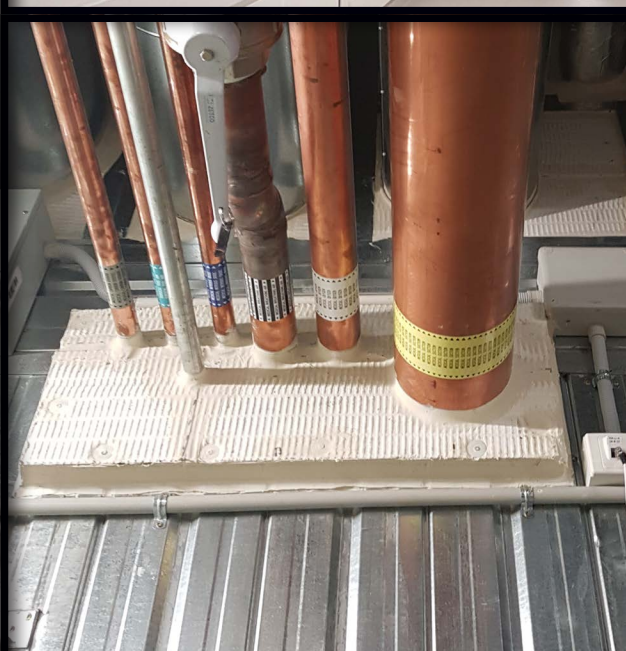
SPEEDPANEL® APPLICATIONS:

- SERVICE RISERS
- SHAFT WALLS
- PLANT ROOM AREAS
- LONG CORRIDORS
- FIRE & ACOUSTIC WALLS
WITH LARGE SEISMIC
& GROUND HEAVE
REQUIREMENTS
- HELICOPTER LANDING PAD
ACOUSTIC CEILING

AUSTRALIAS' LARGEST HOSPITAL BUILD EVER

The largest hospital ever undertaken in Australia, containing 800 beds & 40 operating theaters. Built to withstand 1:1500 year earthquake, the seismic and heave requirements compelled special design considerations.

Speedpanel® was able to meet strict design criteria of 60mm seismic racking, up and down deflection and heave movement of 75mm and the necessary fire and acoustic performance. Speedpanel® was used heavily throughout service risers, shafts and plant areas including long corridor walls associated with a project that has such a large footprint.





MIDLAND

ST. JOHN OF GOD PUBLIC & PRIVATE HOSPITALS





Image Source: Brookfield Multiplex

PENETRATIONS GALORE

This project delivered a new 307 bed public and 60 bed private hospital in the heart of Midland town centre, providing medical services including emergency, cancer services, paediatrics and expanded rehabilitation and mental health services.

Speedpanel® is being used on all external walls of this project providing fire-rating and the substrate which supports the façade. Speedpanel® can withstand high wind loads during and after construction. The Speedpanel® system was engineered to support the façade of the building.

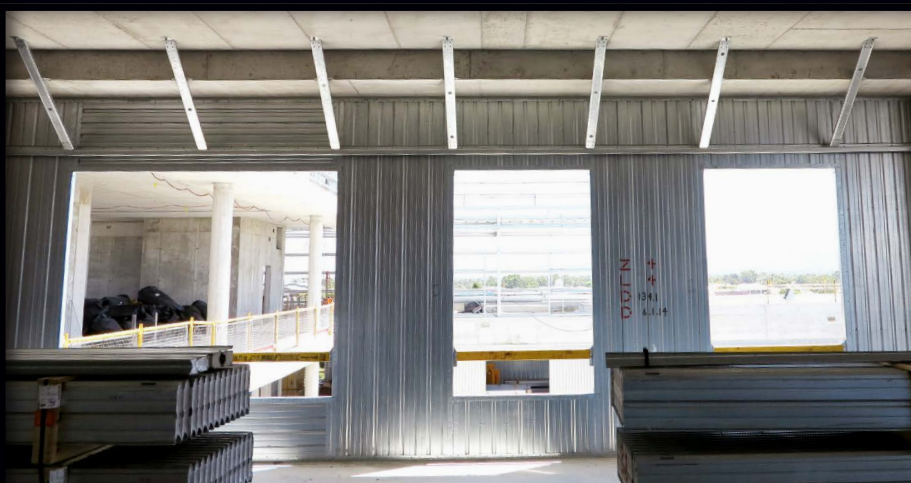


1 CLAYTON ST, MIDLAND, WA

PROJECT:
ST JOHN OF GOD
MIDLAND PUBLIC AND
PRIVATE HOSPITALS
CLIENT:
BROOKFIELD MULTIPLEX
ARCHITECT: HASSELL
STATUS: COMPLETED
AUGUST 2015

SPEEDPANEL® APPLICATIONS:

- FAÇADE SUBSTRATE
- SHAFT & RISER WALLS





COLLINS SQUARE

AN ENTIRE CITY BLOCK.

Collins Square is a \$1.8 billion development consisting of five commercial office buildings and over 200,000 square metres of net lettable area over a whole city block. The development will be environmentally sustainable and is targeting a 5-star, Green Star Design. Speedpanel® is being used in shaft and riser service areas and on external colour steel façade walls. Speedpanel® boasts a wide array of certification around penetrations, ducts, pipes and cable trays. The speed of installation and ease of sign-off assisted the overall build sequence.



727 COLLINS ST, DOCKLANDS, MELBOURNE C.B.D, VIC

PROJECT: COLLINS SQUARE

CLIENT:

BUILT / BROOKFIELD MULTIPLEX

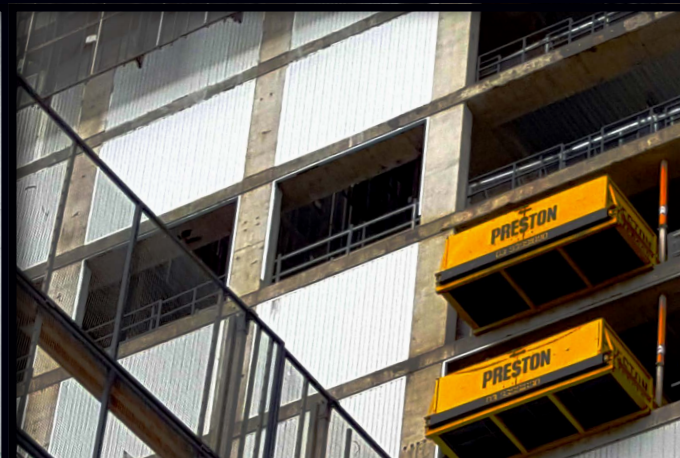
ARCHITECT: HASSELL

STATUS: UNDER CONSTRUCTION
MID 2016.

PROJECT COST: \$1.8 BILLION

SPEEDPANEL® APPLICATIONS:

- EXTERNAL COLOURED FAÇADE
- SHAFT & RISER WALLS
- PLANT AREA WALLS





M.C.E.C MELBOURNE CONVENTION & EXHIBITION CENTRE

MINIMISING STRUCTURAL STEEL

This unique complex begins with a remarkable foyer and flows through to 52 meeting rooms, a grand banquet room and a state of the art plenary area that can be divided into three self contained, acoustically separate theatres. This was the first 6-star, Green Star convention centre in the world.

Speedpanel® was used extensively throughout the entire complex for fire and acoustic separation walls and the adjoining Hilton Hotel. Speedpanel® also formed the rear auditorium walls and the main acoustic barriers in the operable roof truss system. Simple cutting of Speedpanel® created infill acoustic barriers inside the roof trusses. Due to its spanning ability Speedpanel® walls were easily constructed without the need for extra structural elements.



1 CONVENTION CENTRE PL, SOUTH WHARF, VIC

PROJECT: M.C.E.C
CLIENT: BROOKFIELD MULTIPLEX
ARCHITECT: WOODS BAGOT / NH ARCHITECTURE
STATUS: COMPLETED 2009
PROJECT COST: \$1 BILLION

SPEEDPANEL® APPLICATIONS:

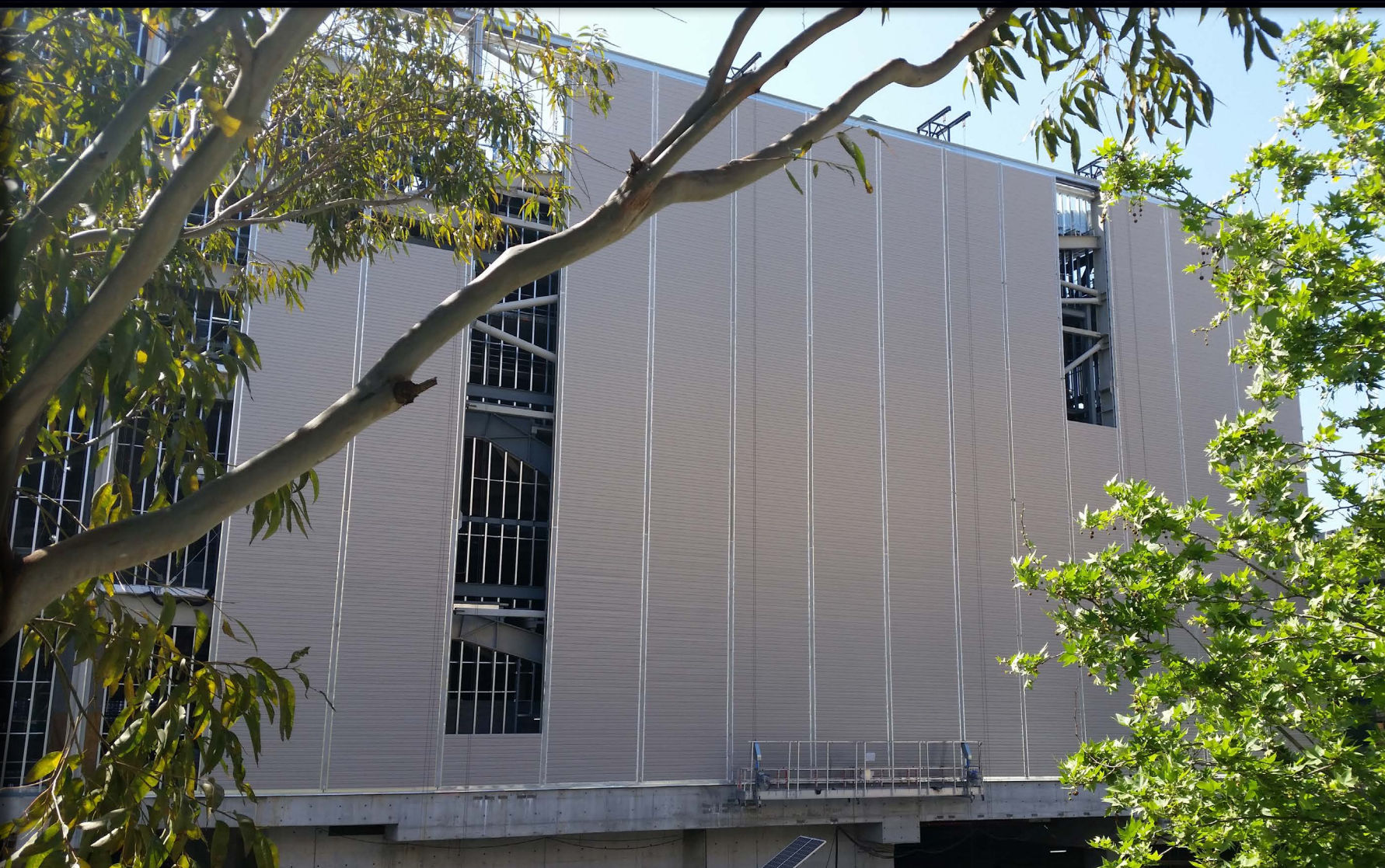
- SHAFT & RISER WALLS
- PLANT AREAS
- BACK OF HOUSE AREAS
- INFILL OF OPERABLE AUDITORIUM ROOF TRUSS





I.C.C.

INTERNATIONAL CONVENTION
CENTRE, Sydney





BLOCK OUT FREEWAY NOISE

The new convention, exhibition and entertainment centre is part of the overall Darling Harbour Live development. The facility is capable of hosting 12,000 delegates and holding multiple large conferences and exhibitions at any one time.

Pre-finished colour steel was used for the horizontally stacked Speedpanel® façade substrate walls, starting 10m off the ground and continuing 30m upwards. Nearby freeway noise is blocked due to the highly superior acoustic performance of Speedpanel®.



321 KENT ST, SYDNEY NSW

PROJECT: ICC
CLIENT: LEND LEASE
ARCHITECT: HASSELL /
POPULOUS
STATUS:
DUE FOR COMPLETION
LATE 2016.
PROJECT COST: \$150M

SPEEDPANEL® APPLICATIONS:

- EXTERNAL COLOUR
FAÇADE SUBSTRATE
- ACOUSTIC BARRIER
- HIGH WALLS (30m)





VICTORIA UNIVERSITY COMMUNITY SPORTS STADIUM



417 BARKLY STREET, WEST FOOTSCRAY, VIC

PROJECT: VICTORIA UNIVERSITY -COMMUNITY SPORTS STADIUM

CLIENT: CONTRACT CONTROL

ARCHITECT: PEDDLE THORP ARCHITECTS.

STATUS: COMPLETED 2013

PROJECT COST: 1.5M

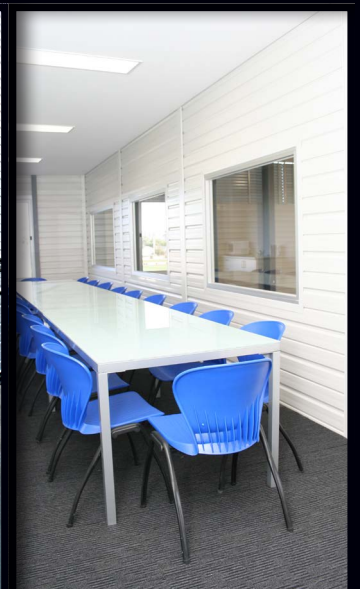
SPEEDPANEL® APPLICATIONS:

- EXTERNAL COLOUR STEEL WALLS
- CORRIDOR WALLS
- MEETING AREAS
- GYMNASIUM WALLS

MIX & MATCH COLOUR FINISHES

The Western Bulldogs Whitten Oval redevelopment was built using pre-finished colour steel Speedpanel®. The four-court stadium will hold competitions in basketball, netball, futsal, volleyball and badminton.

Speedpanel® was used to create the external colour steel walls surrounding the basketball stadium. The lightweight nature of Speedpanel® saved the builder money in both concrete footings and structural steel whilst providing an attractive product that was quick and easy to install using their own carpenters.





ST JOHN'S PERFORMANCE CENTRE



JAYNE ST, FRANKSTON EAST, VIC

PROJECT: ST JOHN'S PERFORMANCE CENTRE
CLIENT: CONTRACT CONTROL
STATUS: COMPLETED

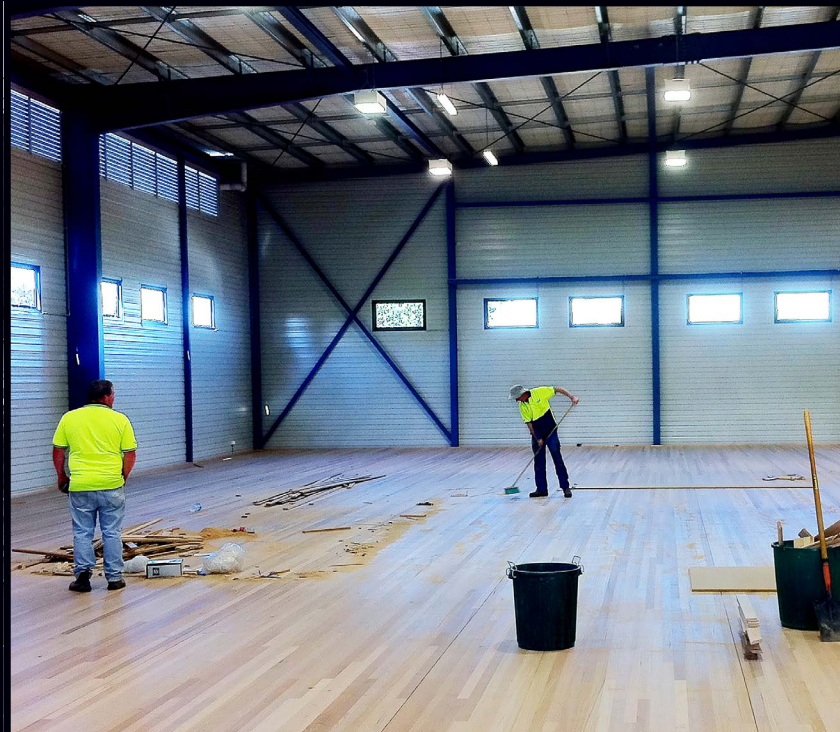
SPEEDPANEL® APPLICATIONS:

- EXTERNAL COLOUR STEEL WALLS
- GYMNASIUM WALLS

EXTERIOR WALLS, WITHOUT DRAMA

Speedpanel® accommodates for durable & weatherproof walls whilst allowing for multiple penetrations, high wind loading & a wide palette of colour options to choose from.

The inspired decision to order a varied mix of coloured Speedpanel® allowed the architects to design a banded finished aesthetic without any need for additional paint or other façade treatments.





CINEMA
5

HOYTS CINEMA

CHADSTONE SHOPPING CENTRE

CENTRE COMPLEX

1341 DANDENONG RD,
MALVERN EAST VIC

PROJECT: HOYTS CINEMA -
CHADSTONE SHOPPING CENTRE
CLIENT: PROBUILD
ARCHITECT: BUCHAN GROUP /
BATES SMART
STATUS: DUE FOR COMPLETION LATE 2016
PROJECT COST: \$580M

SPEEDPANEL® APPLICATIONS:

- CINEMA SEPARATION WALLS
- BACK OF HOUSE AREAS
- HIGH PERFORMANCE ACOUSTIC BARRIERS

ACOUSTIC PERFORMANCE

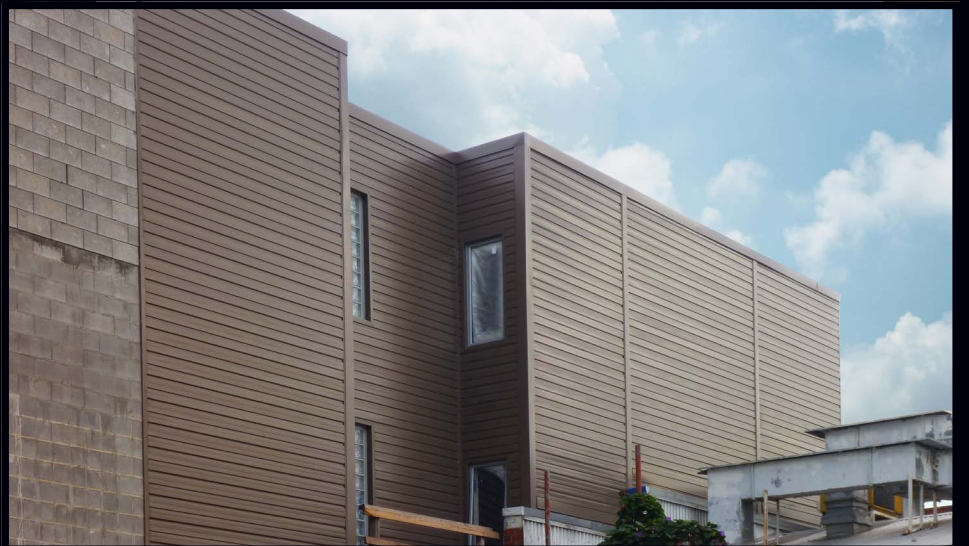
A new state of the art 17-screen Hoyts cinema. Already a 5 Star Green Star building, the new development will add 60,000m² of space to the centre, including 25,000m² of retail space. Dual skin high performance Speedpanel® acoustic systems were developed to meet the specific requirements of this project.

Panels were installed horizontally up to 16m in height prior to the external skin of the building being built. This was possible due to the windloading capability and weather resistant properties of Speedpanel®.





SPEEDPANEL[®] RESIDENTIAL BOUNDARY WALLS





THE FULL PACKAGE

Speedpanel® walls are available in the full colour steel range. This enables architects to easily satisfy both the clients desired aesthetic & any town planning colour scheme prerequisites while meeting or even exceeding the acoustic and fire requirements enforced by building regulations.

VARIOUS LOCATIONS

<p>PROJECT: VARIOUS CLIENT: VARIOUS ARCHITECT: VARIOUS STATUS: COMPLETED PROJECT COST: -</p>	<p>SPEEDPANEL® APPLICATIONS:</p> <ul style="list-style-type: none"> EXTERNAL BOUNDARY WALLS (COLOUR STEEL FINISH) EXTERNAL BOUNDARY WALLS (GALVANISED FINISH)
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SPEEDPANEL[®] RESIDENTIAL PARTY WALLS






TRY TO FIND A FASTER SYSTEM!

Speedpanel® is a valued addition to many multi-residential dwellings where fire rated party walls and boundary walls are required. The weather-resistance and ease of installation allows various types of trades people to install Speedpanel® during wet conditions.

The click together technology and simplicity of screw fixings allows Speedpanel® systems to be easily dismantled and re-used. Temporary or excess panels which are in good condition at the end of the project may be even sold back to Speedpanel®.

 VARIOUS LOCATIONS

<p>PROJECT: VARIOUS CLIENT: VARIOUS ARCHITECT: VARIOUS STATUS: COMPLETED PROJECT COST: -</p>	<p>SPEEDPANEL APPLICATIONS:</p> <ul style="list-style-type: none"> ▪ PARTY WALL ▪ EXTERNAL WALLS DURING CONSTRUCTION
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SPEEDPANEL® INDUSTRIAL & FACTORY BOUNDARY WALLS





VARIOUS LOCATIONS

PROJECT: VARIOUS
CLIENT: VARIOUS
ARCHITECT: VARIOUS
STATUS: COMPLETED
PROJECT COST: -

SPEEDPANEL® APPLICATIONS:

- GYMNASIUM WALLS
- EDUCATION FACILITIES
- FACTORY SEPARATION WALLS
- WAREHOUSE BOUNDARY WALLS

SEPARATION WALLS





SPEEDPANEL® NOISE BARRIERS



VARIOUS LOCATIONS

PROJECT: VARIOUS
CLIENT: VARIOUS
ARCHITECT: VARIOUS
STATUS: COMPLETED
PROJECT COST: -

SPEEDPANEL® APPLICATIONS:

- EXTERNAL NOISE BARRIERS
- GALVANISED FINISH
- COLOUR STEEL FINISH

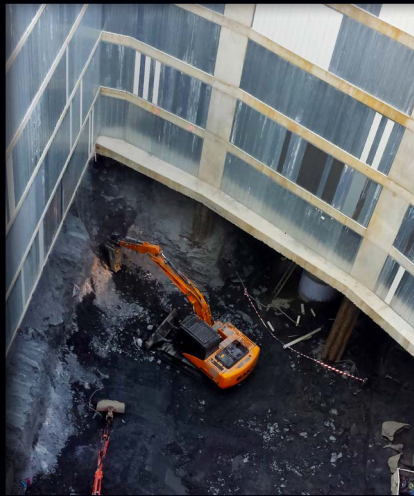
PROTECT FROM NOISE


Freeways, airports, music venues & factories produce high levels of noise pollution, often affecting sensitive areas such as residential housing. Speedpanel® offers an acoustic barrier solution which also has durability to withstand external weather conditions.

Colour variations to either side of every wall are possible because each panel is made from two steel halves, allowing two independent finishes which can assist perfect visual integration into your required environment.



SPEEDPANEL® TEMPORARY WALLS



 VARIOUS LOCATIONS

PROJECT:
TEMPORARY WALLS
CLIENT: VARIOUS
ARCHITECT: VARIOUS
STATUS: COMPLETED
PROJECT COST: -

SPEEDPANEL® APPLICATIONS:

- TEMPORARY WALLS
- FIRE & ACOUSTIC HOARDING
 - GALVANISED FINISH
 - COLOUR STEEL FINISH

REMOVEABLE & REUSEABLE





SPEEDPANEL® MANUFACTURING & DISTRIBUTION





MANUFACTURING FACILITY - BAYSWATER, AUSTRALIA

TRANSPORTING SPEEDPANEL®

78MM PANEL = (14 PER PACK)

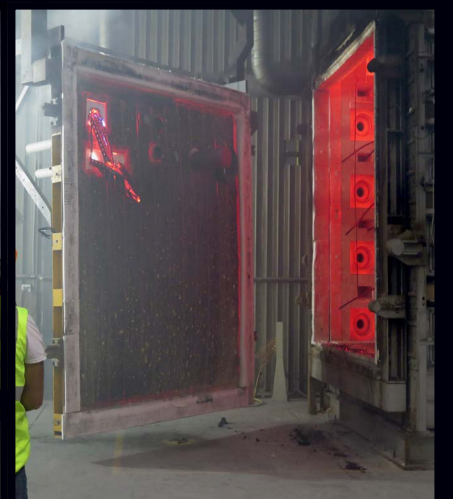
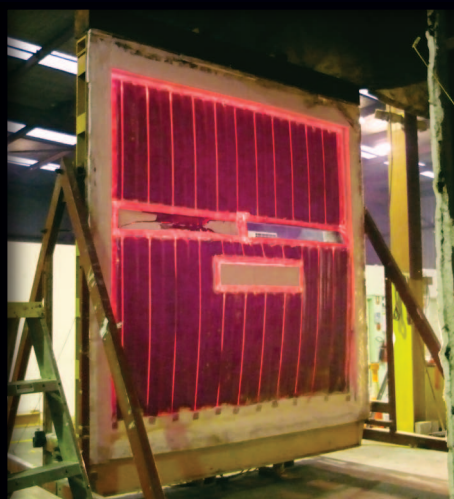
64MM PANEL = (17 PER PACK)

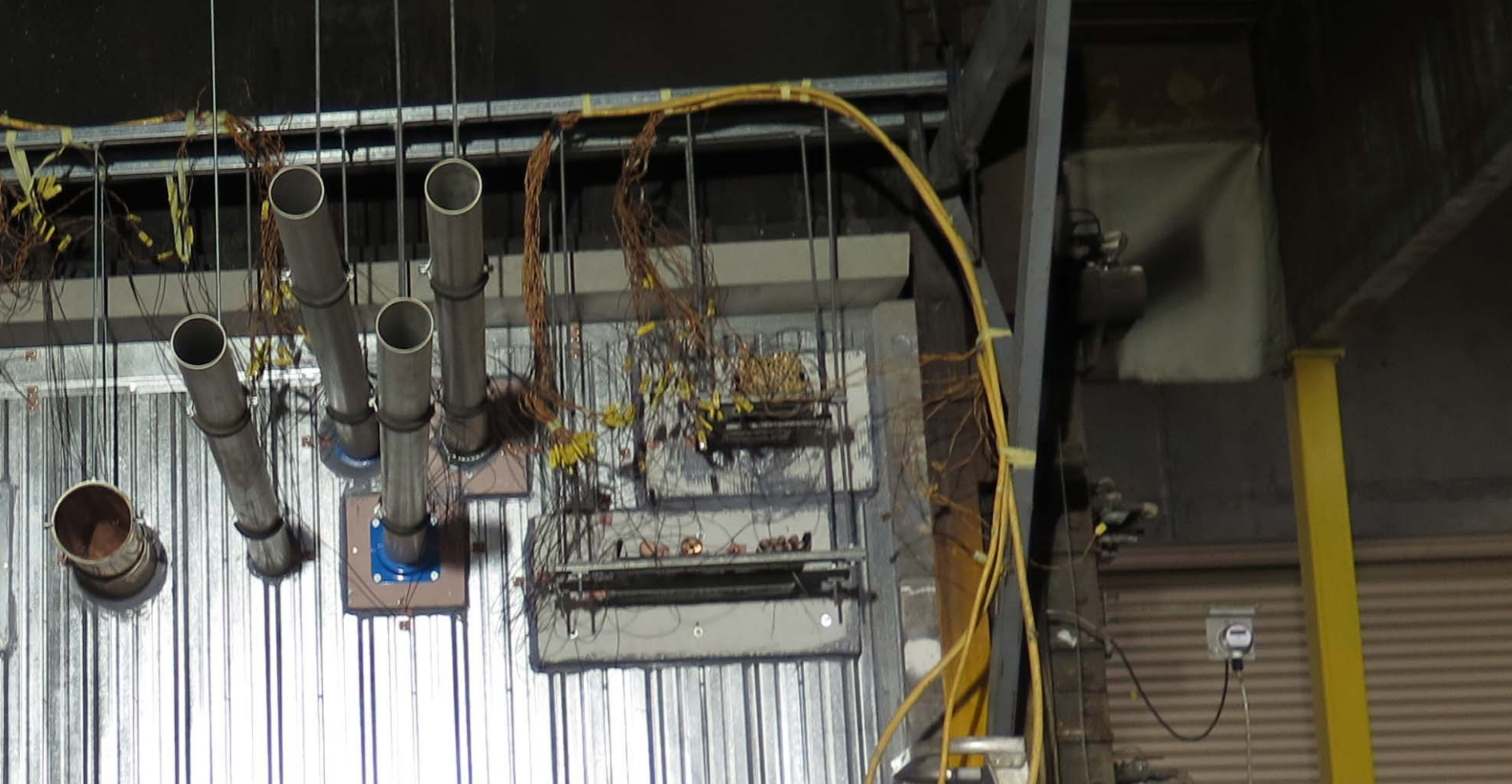
51MM PANEL = (21 PER PACK)





SPEEDPANEL® RESEARCH & DEVELOPMENT





TESTING FACILITIES:

- EXOVA WARRINGTONFIRE
- RMIT UNIVERSITY
- BRANZ
- JAMES COOK UNIVERSITY
- CSIRO
- VIPAC

SPEEDPANEL TESTS:

- | | |
|------------|--------------------|
| ▪ FIRE | ▪ DURABILITY |
| ▪ ACOUSTIC | ▪ STRUCTURAL |
| ▪ CYCLONIC | ▪ AIR INFILTRATION |
| ▪ SEISMIC | ▪ WIND LOADING |

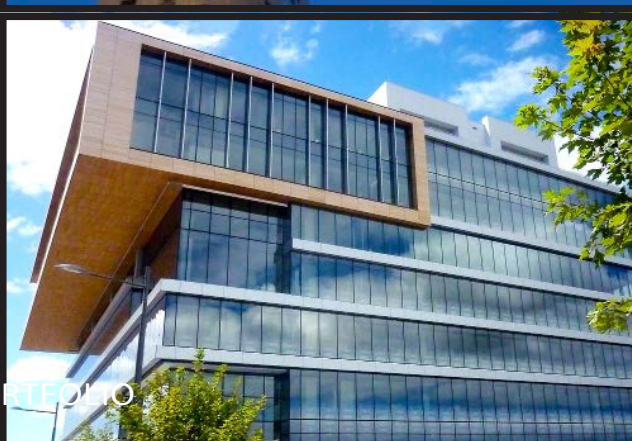
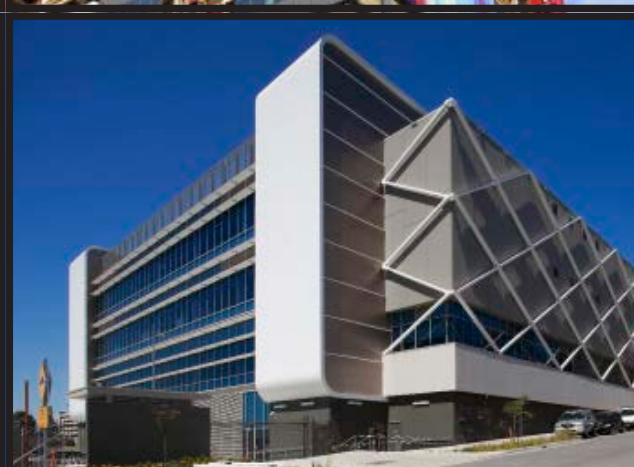
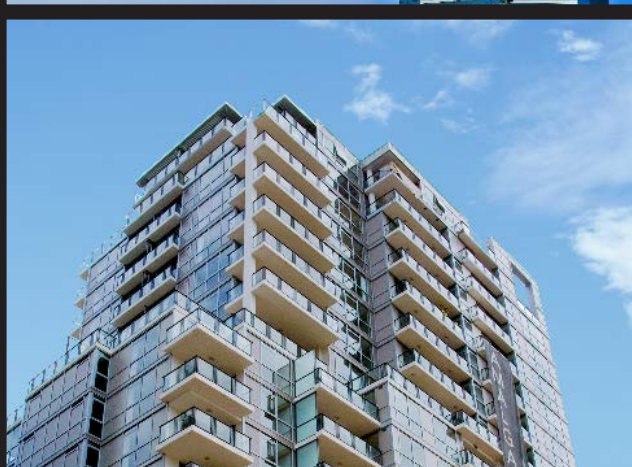
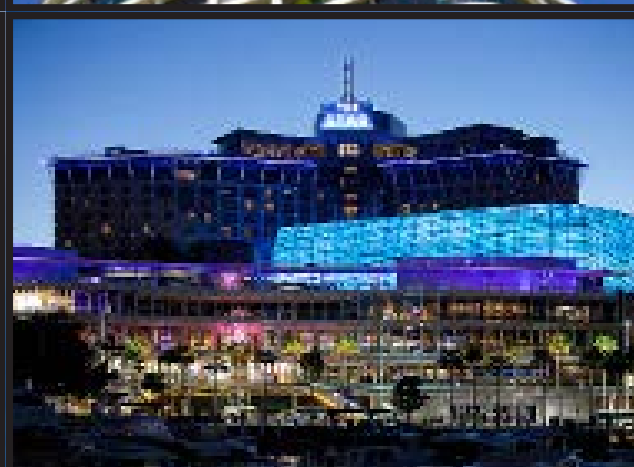
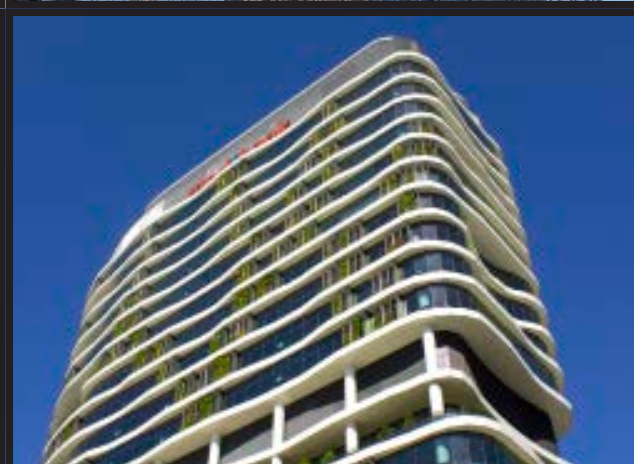
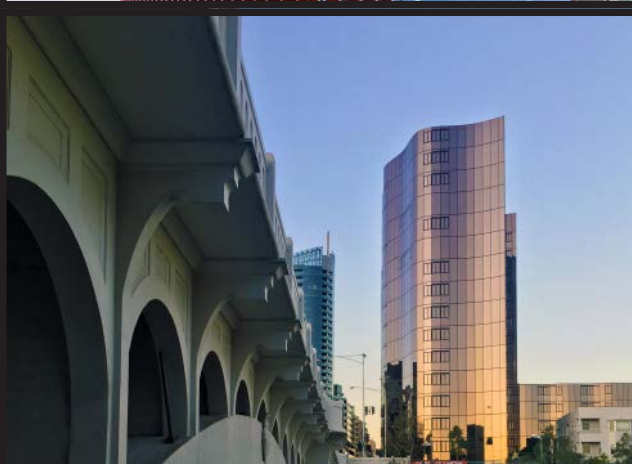
FULLY TESTED & CERTIFIED

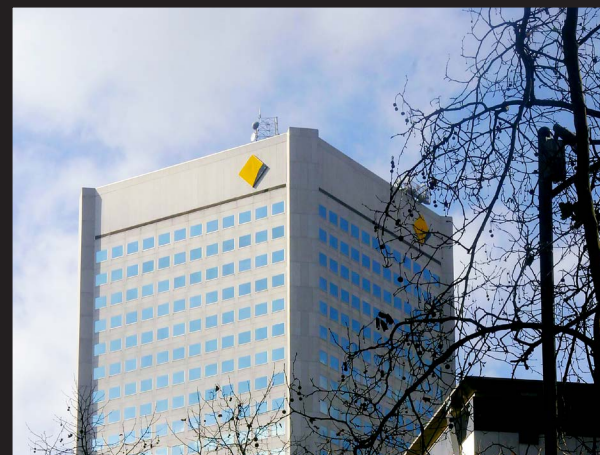
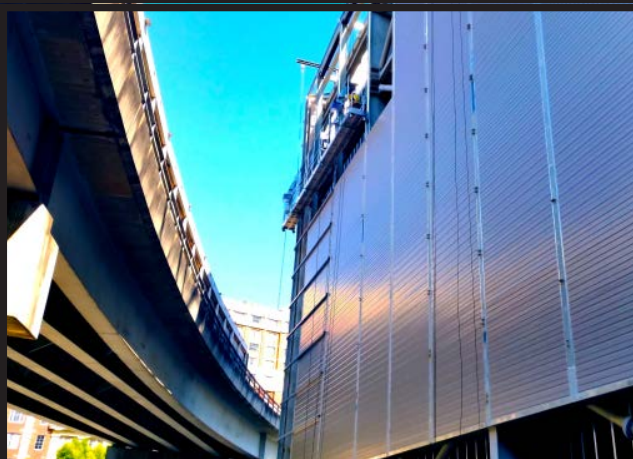


The extensive range of tests and assessments include several heights, spans and connecting configurations. These forms of certification allow vertically installed Speedpanel® built up to 14m high and horizontally installed Speedpanel® spanning 4.5m between structures, to be built with no limit in height, whilst still providing the desired fire rating.

Complete service penetration requirements including pipes, cables, ducts, cable trays, dampers and doors have all been accredited. Speedpanel® can provide up to a -/240/240 FRL.







CONTACT INFORMATION

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SAFE & SOUND