

record FULLVIEW Series



TECHNICAL OVERVIEW

door canopy
w/ drive motor
[extended height version]

leading door post
PE safety sensor

removable ceiling panels
[drive and electrics access]

revolving ceiling w/
LED downlights

carousel top rail
infrared safety sensor

mode key switch
emergency stop
[inside only]

door wing glass
[12mm toughened]

frameless centre carousel
[black silicon butt joint]

sidewall glass
[8mm curved toughened]

slow speed button
[inside and outside]

carousel bottom rail
contact safety sensor

floor matting
[by others / optional extra]

sidewall bottom rail
& stile framing

floor ring
[finish stainless steel]



The most popular revolving door available on the Australian market for almost 20 years, the record Fullview Series is an exceptional all purpose entrance door. With an extensive range of optional features, it is suitable for any building type and many different applications.

As the 'Fullview' Series name suggests, the door is designed to be transparent and modern without the cluttered look of conventional revolving doors that require metal columns at the central axis or fully framed rotating door wings.

The door is available in either 3 or 4 wing configuration in sizes from 2400mm to 4800mm in diameter and can be built with either fixed or collapsible door wings. The electrical motor drive and control system is mounted in the canopy for easy access and service. The canopy can be finished in stainless steel, aluminium or brass.

Every Fullview door is fitted with a range of concealed electronic safety sensor to ensure optimum safety at all times. A large number of innovative options and engineering initiatives are available to allow each door to be custom built to suit your specific requirements.



1 McNab Avenue, Footscray



100 St Georges Terrace, Perth

DESIGN

When designing a building entrance with a revolving door, the diameter and door wing configuration are of critical importance in ensuring that the entrance has a door that is safe and able to meet the expected traffic flows of the building occupants.

In general terms the larger the diameter of a revolving door, the more practical this door will be, in terms of pedestrian capacity as well as the ability for people with bulky goods, strollers or in wheelchairs to also use the door.

When it comes to door wing configuration, 3 wing doors are more practical in smaller diameter revolving doors, where maximising the usable space per door segment is very important. In larger diameter doors however, the larger clear opening width provided by a 4 wing door can provide advantages with the flow of people entering and exiting the door at the same time.

When considering the size and configuration of the revolving door(s) for your building, other factors need to be taken into account, such as the general safety and comfort level of the door users, the entrance location (proximity to public transport) the type of building (commercial, leisure, hotel, shopping) and the type of people expected to use the revolving door (business people, families, senior citizens).

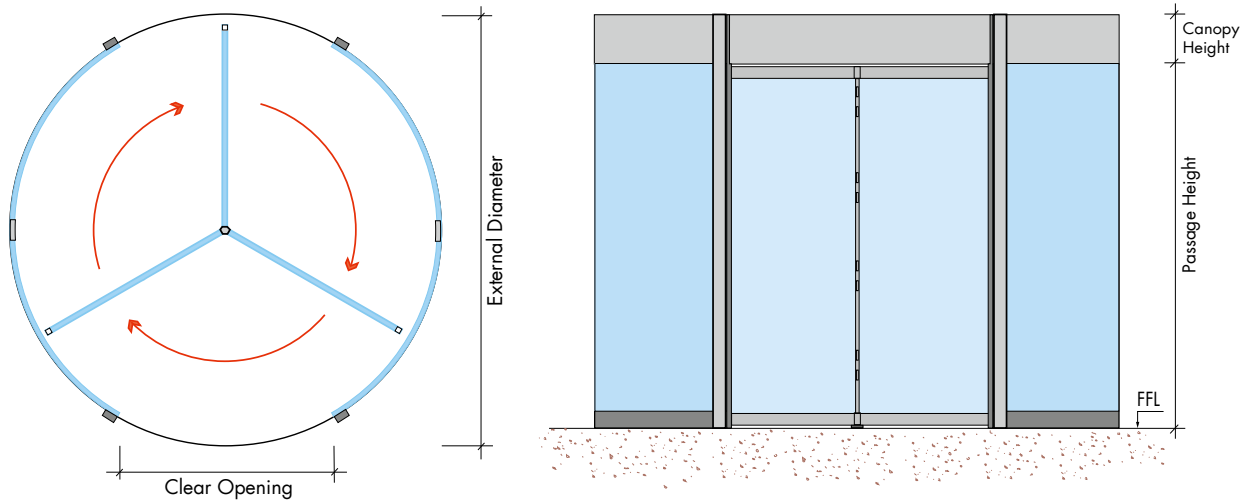
The information contained in the table below is derived from the rotating speed of the carousel (maximum as per AS5007) and the number of people who can, in theory, safely use each segment of the revolving door. The results are for capacity in one direction only and assumes that each possible segment has the maximum prescribed number of people.



Theoretical Door Capacity

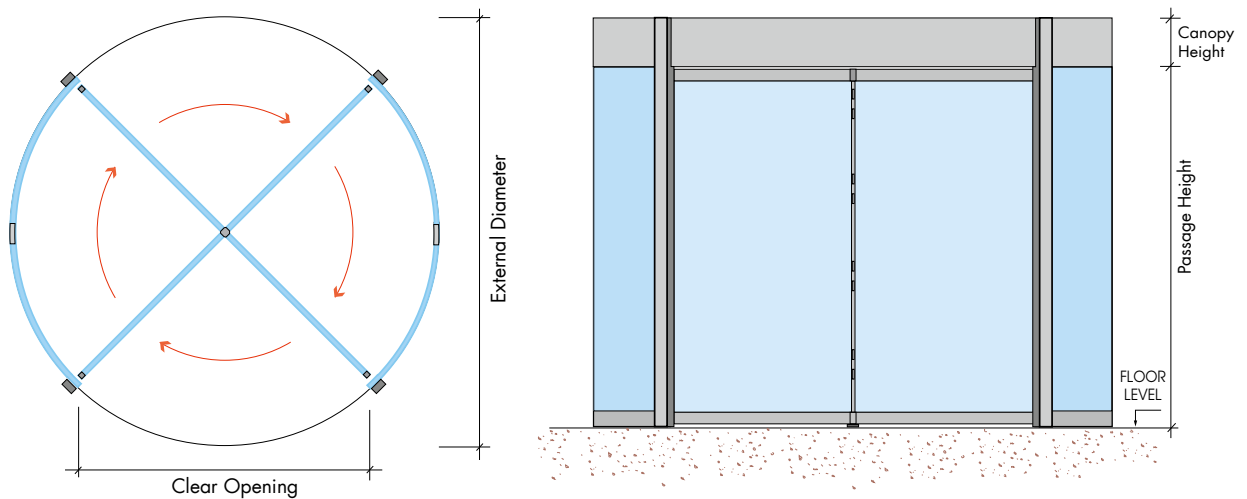
| Diameter (mm) | Speed (m/sec) | Revolutions / Minute | 3 WING CONFIGURATION | | | 4 WING CONFIGURATION | | |
|---------------|---------------|----------------------|----------------------|-------------------|-----------------|----------------------|-------------------|-----------------|
| | | | Persons / Segment | Capacity / Minute | Capacity / Hour | Persons / Segment | Capacity / Minute | Capacity / Hour |
| 2400 | 0.75 | 6.0 | 1 | 18.0 | 1080 | | | |
| 2700 | 0.75 | 5.3 | 1.5 | 23.9 | 1431 | | | |
| 3000 | 0.75 | 4.8 | 2 | 28.8 | 1728 | 1 | 19.2 | 1152 |
| 3600 | 0.75 | 4.0 | 3 | 36.0 | 2160 | 2 | 32.0 | 1920 |
| 4000 | 0.75 | 3.6 | 4 | 43.2 | 2592 | 3 | 43.2 | 2592 |
| 4400 | 0.75 | 3.2 | 4.5 | 44.6 | 2673 | 3.5 | 46.2 | 2772 |
| 4800 | 0.75 | 3.0 | 5 | 45.0 | 2700 | 4 | 48.0 | 2880 |

3 Wing Configuration



| | | | | | |
|--------------------|------|------|------|------|------|
| External Diameter | 2400 | 3000 | 3600 | 4200 | 4800 |
| Clear Opening | 1200 | 1500 | 1800 | 2100 | 2400 |
| Passage Height Max | 4000 | 4000 | 3800 | 3200 | 3000 |

4 Wing Configuration



| | | | | |
|--------------------|------|------|------|------|
| External Diameter | 3000 | 3600 | 4200 | 4800 |
| Clear Opening | 2000 | 2400 | 2800 | 3200 |
| Passage Height Max | 3500 | 3600 | 3200 | 2800 |

Note: All Fullview revolving doors can be manufactured to any dimension

STANDARD FEATURES

CLADDING

Doors can be supplied in a range of finishes including powdercoated and anodised aluminium as well as stainless steel in finished or mirror finishes.

LOCKING

Electric locking of the doorset is built into the drive wheel to provide a secure entrance at night. This locking is fully concealed.

LIGHTS

LED down lights are fitted within in the inner revolving ceiling. These lights give a high light level within each segment of the door and as the lights rotate within the door there are no 'strobing' effects or shadows within the door caused when the door wings pass under a stationary light. These lights automatically switch off 20 seconds after the door has locked.

GLASS

All glazing within the revolving door meets the requirements of AS1288:2007. The glass to the revolving carousel is 12mm toughened. The glass to the sidewalls is 8mm curved toughened.

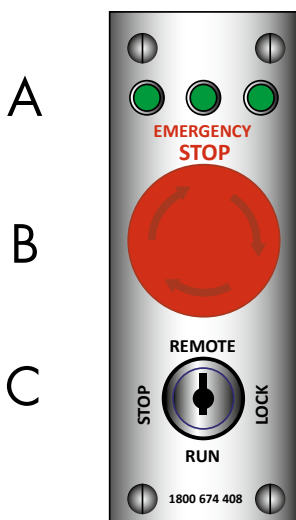
All glass is clear with other options, such as heat soaking, low iron or tinted, available upon request at additional cost.

SPEED 'SLOW DOWN' BUTTON

All doors are fitted with an illuminated push button that will slow the door down to half of its normal speed for two revolutions. This will make the revolving door more safely accessible for wheelchair users and elderly people.

CONTROL SWITCH PANEL

All doors are fitted with a stainless steel control switch plate on the inside door post that has a number of features:



A. Mode and Fault Indicator LED's

The 3 indicator LEDs are designed to indicate the current status of the four position mode key switch as well as any fault indications.

The LEDs will either be switched constantly on, slowly flashing or fast flashing and can be in any combination of these to give a particular mode or fault indication.

B. Emergency Stop Button

When the button is pressed the door will stop immediately.

C. Mode Key Switch

The four position mode switch can have the key removed in any position leaving the door set in that particular operational mode. The functions of the control switch are as follows;

'REMOTE' mode

This mode is used when the door is connected to a remote security system that will automatically switch the door from lock mode to run mode on a programmed basis.

'RUN' mode (automatic operation)

The door will run automatically and override any remote signals.

'LOCK' mode

The door will rotate to the lock position and automatically lock. Should 'clamshell' sidewalls be fitted, these will automatically close. This mode will override a signal from a remote security system.

'STOP' mode

The door will stop in the locking position but the door will not lock.

DOOR OPERATION

Fullview doors can be programmed to operate in the following ways.

'CONSTANT SPEED' (Standard).

In this mode the door will revolve at a constant speed with no radar sensors mounted on the door canopy.

'STOP - RUN' (Optional Extra).

In this mode the door will remain stationary until a radar sensor picks up an approaching person. The door will then smoothly accelerate to the run speed and when no traffic has been detected for a predetermined period the door will slow down to idle speed for two revolutions before stopping. This mode requires the mounting of radar sensors onto the door canopy.

AESTHETICS IN SAFETY

Unlike any competing revolving door on the market, the record Fullview Series revolving door features safety sensors that are fully incorporated into the door design, making them effectively hidden to the untrained eye.

For concealed safety along the leading sidewall edge, photo electric microcell sensors are mounted to the underside of the door canopy.

The door wing infrared sensors are mounted within the custom designed top rail framing that incorporates a curved lens housing (rather than a black plastic sensor mounted on the door rail).

And for additional safety record's bottom rail design incorporates a concealed contact sensor (rather than a rubber bumper sensor mounted on the rail, or no safety sensor).



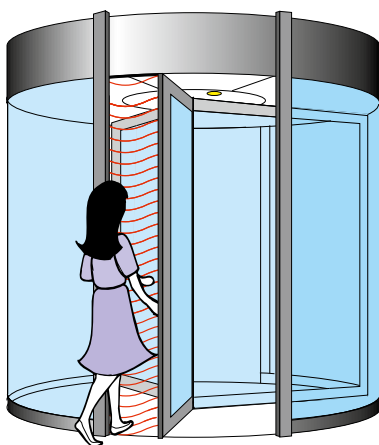
Hilton Hotel
480 George Street, Sydney

LEADING EDGE SAFETY SENSORS (A)

The leading edge PE microcell safety sensors provide an invisible safety barrier between the leading edge of the curved glass sidewall and the approaching revolving door leaf.

If an object is detected in front of this leading edge when the door leaf is approaching the carousel will stop rotating until the object has moved from the safety zone.

The record leading edge safety sensors comply with the Australian Standard on Revolving Doors AS5007:2007.



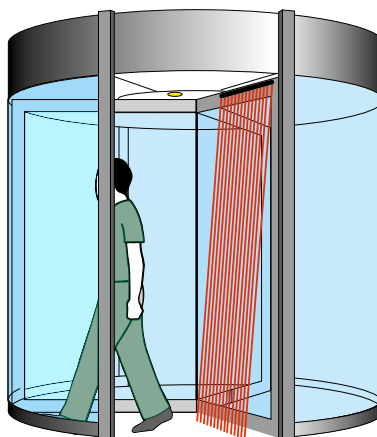
TOP RAIL SAFETY SENSORS (B)

The rotating carousel infrared safety sensors are fitted to the top door rail and scans the area directly in front of each door leaf.

Should a person be detected the door will slow down to the speed of the person and if necessary stop.

The system is designed to minimise the possibility of collision between each revolving door leaf and a person or object inside the revolving door. For elderly or handicapped persons the ability of a door to slow down to the same speed as they are walking has real safety advantages. This system is ideally suited for larger doors when there is more space inside each door segment.

The record top rail safety sensors comply with the Australian Standard on Revolving Doors AS5007:2007.



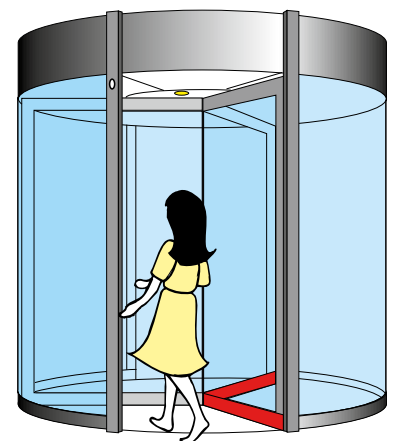
BOTTOM RAIL SAFETY SENSORS (C)

The rotating carousel contact safety sensors are fitted to the front of each door leaf bottom rail.

Should a person's foot come into contact with the bottom rail the revolving door will immediately stop.

The system is designed to stop the revolving door should the infrared sensor fail to pick up the obstruction earlier.

The record bottom rail safety sensors comply with the Australian Standard on Revolving Doors AS5007:2007.



OPTIONAL FEATURES


AUTO WIND BACK DOOR WINGS w/ BATTERY BACKUP

record Fullview Series revolving door wings can be fitted with a motor drive system that will automatically open one or two wings on a signal from the remote system, time clock, fire trip or local key switch.

This system is particularly useful if there is a need for emergency egress, smoke ventilation requirements or when high volumes of traffic are anticipated a certain times of the day.

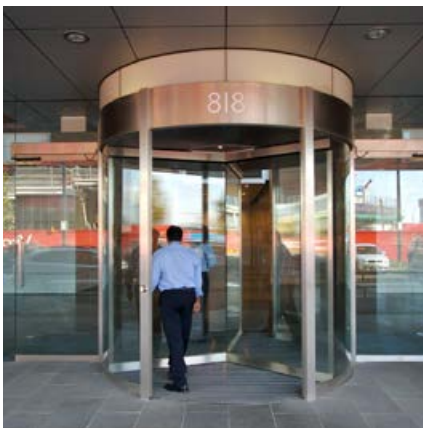
A UPS can be fitted to provide continued power to the revolving door (for a limited period) in the event of a power failure.




 YouTube Video: auto windback door wing

ILLUMINATED SIGNAGE

To provide personalised branding or identification to the building entry, the canopy fascia of the revolving door can have numbers, the building name or company logos laser cut and illuminated from behind.



 Instagram video: illuminated signage colour


AUTOMATIC SLIDING 'CLAMSHELL' SIDEWALLS

As an alternative to additional night doors that close off the entrance of the revolving door at night, when operated manually, record Fullview doors can be fitted with 'clamshell' sliding sidewalls. These are indistinguishable from the sidewalls of a conventional revolving door and provide a more aesthetically pleasing product than conventional night doors, which are hung on the outside of the sidewalls.

When the door is switched to lock mode, the sidewalls are motorised to automatically slide to the closed position and lock to prevent unwanted access to the door entry area and to keep it free from airborne debris, papers, dust and rubbish.

When the Door is switched to run mode the clamshells automatically unlock and slide open with the door commencing normal operation.



 YouTube video: auto 'clamshell' night shields

CANTILEVERED AWNINGS

To provide greater protection for users when a door is installed in an exposed location, or simply as an architectural feature, a custom made cantilevered glass awning can be integrated into the revolving door design, as pictured (below) at 1 Margaret Street, Sydney.

To drain water off the roof of the door, a gutter can be incorporated, with a downpipe running down one of the support posts.



HIGHLIGHT GLAZING SUPPORT

The canopy structure of the Fullview Series revolving door can be custom designed to support the dead load weight of surrounding frameless glass assemblies, negating the requirement for additional portal frame structures around the revolving door. Example of this is Department of Social Services building in Greenway ACT, pictured below.



STREAMLINED CANOPY

The standard Fullview design has the door support mullions fixed to the outside face of the canopy. To have these posts stop at the underside of the canopy, record can extend the canopy fascia out to provide a continuous canopy line, as pictured (below) at Media House, Melbourne.



LED STARLIGHTING

As an alternative to the standard LED downlights in the centre rotating ceiling, a special LED starlight feature can be incorporated into the fixed ceiling panels.

The LED lights are low energy and long lasting, and with the potential to provide a custom design to suit the client, it can provide a unique entrance to any Hybrid revolving door, as demonstrated at Grosvenor Place, Sydney



HALO ROOF LIGHTING

To provide a unique lighting feature to the revolving door entrance, curved LED strip lighting can be recessed into the ceiling panels around the perimeter of the revolving door canopy.

The below entrance at 201 Kent Street Sydney was designed specifically to meet the requirements of the architects, Architectus and complement the feature lighting used elsewhere in the foyer.



EXTRA HEIGHT CANOPY

Fullview revolving doors have a nominal height of 400mm however as an architectural feature, or to suit a particular application, it is possible to provide a special extended height canopy. This could range from a 500mm to 1200mm standard canopy design, as pictured (right) at 2 Market Street Sydney, or a special 3000mm barrel vault design, as pictured (below) at 363 George Street, Sydney.



ILLUMINATED CEILING PANELS

For a more illuminated revolving door entrance, record can replace the standard metal fixed ceiling panels, with translucent glass panels. Within the canopy space a large number of fluorescent lights are installed to provide a bright and consistent lighting feature, as shown below at 126 Phillip Street, Sydney.



in record Fullview revolving doors with custom lighting features

NSW INSTALLATIONS



One Melbourne Quarter (Plaza Entry), Docklands



Northpoint Tower, Sydney



60 Carrington Street, Sydney



1 Margaret Street, Sydney



40 Miller Street, North Sydney



1 Darling Island Drive, Pyrmont



2 Market Street (Kent Street Entrance), Sydney (2008-2019)



2 Bulletin Place, Sydney



201 Kent Street, Sydney



Sydney Water, Potts Hill



Parramatta Trials Court, Parramatta



Darling Hotel at The Star, Pyrmont



100 Market Street, Sydney



20 Windmill Street, Sydney (upgrade)



Workplace6, Pyrmont (upgrade)



126 Phillip Street, Sydney



60 Margaret Street, Sydney

NSW INSTALLATIONS



ANZ Tower, 161 Castlereagh Street, Sydney



Commonwealth Bank Place, Sydney



1 Woolworths Way, Bella Vista



9 Hunter Street, Sydney



10 Dawn Fraser Avenue, Sydney Olympic Park



10 Shelley Street, Sydney



2 Market Street, Sydney



Meriton Suites Carter Street, Lidcombe



Crown Plaza, 1 Binara Street, Canberra (upgrade)



IP Australia, 47 Bowes Street, Phillip



50 Marcus Clarke Street, Canberra



Department of Social Services, Greenway



Caroline Chisholm Centre, Greenway



111 Alinga Street, Canberra



ATO Building, 26 Narellan Avenue, Canberra

VIC INSTALLATIONS



Melbourne Law School, Carlton



120 Spencer Street, Melbourne (upgrade)



1230 Nepean Highway, Cheltenham



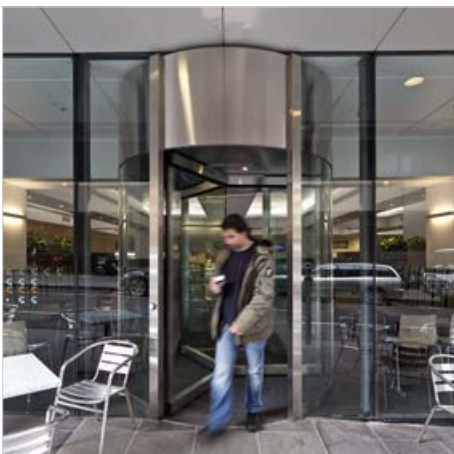
242 Exhibition Street, Melbourne



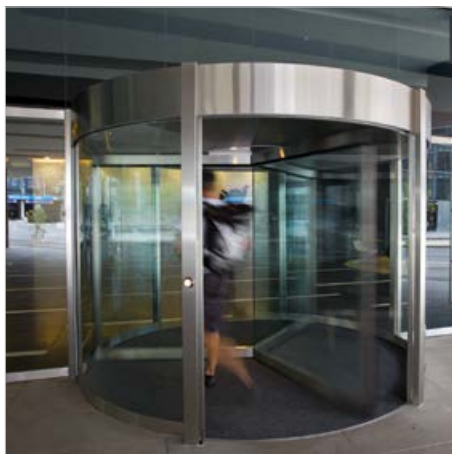
357 Collins Street, Melbourne



Victoria County Court, Melbourne



242 Exhibition Street (Food Court Entry), Melbourne



737 Bourke Street, Docklands



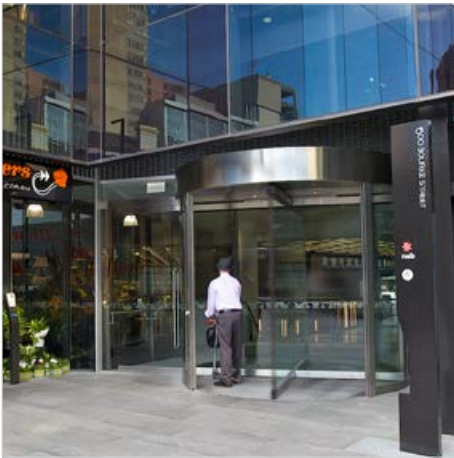
One Freshwater Place, Melbourne



50 Lonsdale Street, Melbourne



2 Lonsdale Street, Melbourne



500 Bourke Street (Lt Bourke St entry), Melbourne



Reserve Bank, 80 Collins Street, Melbourne



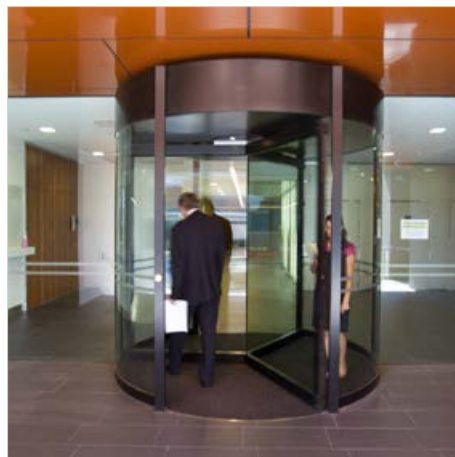
1 Palmer Parade, Richmond



242 Exhibition Street (Food Court Entry), Melbourne



500 Bourke Street, Melbourne



Box Hill Hospital, Box Hill



800 Collins Street, Docklands

VIC INSTALLATIONS



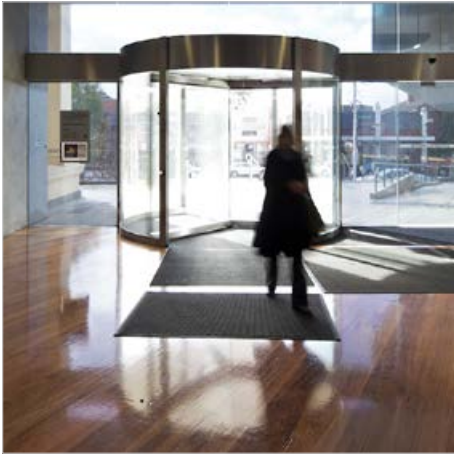
Media House, 655 Collins Street, Docklands



242 Exhibition Street (Lt Lonsdale St Entry), Melbourne



Southern Cross West Tower, 111 Bourke Street, Melbourne



St Kilda Town Hall, 99A Carlisle Street, St Kilda



1 McNab Avenue, Footscray



535 Bourke Street, Melbourne



501 Bourke Street, Melbourne



11 Exhibition Street, Melbourne



101 Collins Street, Melbourne



SA Water House, 250 Victoria Square, Adelaide



100 St Georges Terrace, Perth



168 St Georges Terrace, Perth



Perth Childrens Court, Perth



190 St Georges Terrace, Perth



32 St Georges Terrace, Perth



140 William Street, Perth



City of Melville, 10 Almondbury Road, Booragoon

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