HUFCOR®
Masters in glass

# **Hufcor** – Masters in glass

We are "Masters in Glass". Hufcor Australia exports to the world, through our network of international branches and distributors. Our reputation in this area of expertise sees us called upon to produce various types of Glass Operable Walls.

Clearly visionary, Hufcor Glasswalls offer a wide range of glazing options – Frameless, Weather Resistant, Acoustic Framed, Single Glazed or glazed with IGU's, Wood Framed and more to suit a variety of applications.

Glass is an exacting material. It requires a high level of expertise and know-how to ensure a quality installation and operation. The aesthetics of elegant glass can be used to both divide and maintain an open, contemporary space. Moveable Glasswalls can adapt to angles which allow space to be divided regardless of room size or shape.

Only glass retains visibility and allows designers to separate areas without losing the scenic aspects of the outdoor or the amenity of internal divisions to create a more peaceful area without shutting out safety aspects or any desired viewing convenience.

Hufcor engineered Glasswalls are setting new standards in offices, churches, retail space, shopping centres, restaurants, luxury sporting arenas, car dealerships, banks and hotels.

Discover your new dimensions in space and sound with Hufcor Glasswalls. Attractive and easy to operate, the panels are suspended from intricate overhead tracking systems. The overhead tracking removes the need for unsightly floor tracks which collect debris and can pose safety hazards.

In colours or clear, smooth or textured, with logos and/or images or plain finish – we are the masters in glass. For the distinctive look, you can't go past what glass provides and at Hufcor, we provide you with the best.

Hufcor also manufacture a unique range of sliding glass and acoustic sliding doors. Please ask for a copy of our Sliding Door Brochure or visit our web site at www.hufcor.com.au.

Consult Hufcor today, we are pleased to offer you our technical advice and recommendations on how glass can make your environment come alive.

# **Product** Gallery

## AcoustiVu® 5000 Range

Acoustic glass walls utilize the Hufcor Series 5000 perimeter frame, providing a system of glass doors and panels with the virtues of a proven operable wall system but with the vision and acoustics of glass. Acoustically tested models to $R_W$46.

## AllVu® 3000 Range

A quality system of toughened glass panels and doors designed to provide maximum space management with vision and security, maintaining a physical barrier but not a visual barrier.

# AcoustiVu®: Clearly Visionary

Series 5630-SG-L

Child Support Agency - Canberra  Aluminium finish: SNA  Glazing: 12.76mm clear laminate with applied film

Series 5630-IGU-L

AGL Head Office - Sydney  Aluminium finish: SNA  Glazing: $R_W$46, clear IGU's

Series 5550-SG-L

Rouse Hill Town Centre, Food Court - NSW  Aluminium finish: Axolotl  Glazing: 13.52mm toughened Digiglass

Series 5631-SG-L Fitted with sub-sills

Avila College - VIC  Aluminium finish: Powdercoated  Glazing: 10.38mm clear laminate

# AcoustiVu®: Product Selector

| | | | |
|---|---|---|---|
| **Product:** | Series 5000 SGL, IGU, IGUV Acoustic Glass Wall | | |
| **Series:** | 5550-SG- | 5550-IGU- | 5550-IGUV- |
| | 5630-SG- | 5630-IGU- | 5630-IGUV- |
| | 5551-SG- | 5551-IGU- | 5551-IGUV- |
| | 5631-SG- | 5631-IGU- | 5631-IGUV- |

**Recommended Maximum Dimensions – For Internal Applications ONLY**

**MULTI DIRECTIONAL - INDIVIDUAL**

| | Panels | Doors |
|---|---|---|
| Height | 3800mm IGU | 3800mm |
| | 4500mm SG | 3800mm |
| Width | 1200mm | 900mm - 1060mm |

**CENTRE TRACKING - PAIRED**

| | Panels | Doors |
|---|---|---|
| Height | 3300mm | 3300mm |
| Width | 1000mm | 900mm - 1060mm |

**NB – For sizing beyond those recommended, please discuss with Hufcor's Glass Technical Services Team.*

- All glass and glazing must comply with AS1288 – 2006 Section 5.2 / 5.4, Table 5.1
- For all EXTERNAL applications, panel heights and widths are to be determined by the applicable design wind pressure per AS1170.2 for compliance to AS1288-2006, AS1664 & AS4055.

AcoustiVu glass walls utilize our standard, Series 5000, operable wall, perimeter framing. Into this framing we have designed a suite of extruded aluminium glazing sections that combine to produce doors and panels with all the virtues of a proven operable wall system but with the vision and acoustics of glass. [Tested to $R_W$46]. A wide range of glazing options are available including single panel glazing, Insulated Glass Units and Insulated Glass Unit with enclosed Venetians. Panels can be fully or partially glazed with options for square, bevel or L-shaped glazing beads.
(All bottom mechanical seal panels require a 350mm high kick rail).

**Description:**

- Individual Multi Directional Panels or Paired Centre Tracking Panels, Horizontal Sliders are also available.
- Manually Operated
- Top Supported
- No Bottom Guides
- SG = Single Glazing
- IGU = Insulated Glass Unit
- IGUV = Insulated Glass Unit with Venetian Blinds

## "Standard" Product Features and Benefits

Look for these features when comparing similar products.

1. **Feature:** Top supported.
   **Benefit:** No need for floor tracks that gather dirt and dust and are easily damaged.
2. **Feature:** Hufcor Type 3 multi directional tracking system or Type 5 centre tracking system.
   **Benefit:** Proven performance in thousands of moveable wall installations around the world. Life cycle tested to 160klms or approximately 10yrs of use.
3. **Feature:** Glass fixed with snap on beads to all four sides, wet silicone top sealed.
   **Benefit:** Provides variety of choice for single or IGU glazing and also for the selection of various glazing bead options. (square, bevel, tall or "L" shape beads)
4. **Feature:** Hufcor's vertical aluminium extrusions incorporate a tongue with two vinyl gaskets that nest into the vertical recess in the edge of the adjoining panel creating a tongue and groove joint.
   **Benefit:** Creates positive interlocking between panels providing stability, ease of panel alignment, acoustic and draft seals.
5. **Feature:** Full perimeter aluminium frame bolts together with steel RHS beams, 4 times bolted.
   **Benefit:** Creates a strong durable panel.
6. **Feature:** Available with mechanically operated bottom seals.
   **Benefit:** Provides panel stability when extended and friction free travel when retracted.
7. **Feature:** Optional Insulated Glass units with enclosed venetian blinds.
   **Benefit:** Provides light, privacy, thermal and acoustic control.
8. **Feature:** Perimeter frame is Hufcor Series 5000 operable wall frame.
   **Benefit:** Glass wall panel can be included as a feature in a standard operable wall installation.
9. **Feature:** Insulated Glass Units.
   **Benefit:** High acoustic and energy efficiencies.

Series 5550-SG-L

Eltham High School - VIC  Aluminium finish: SNA  Glazing: 10.38mm clear laminate with applied film

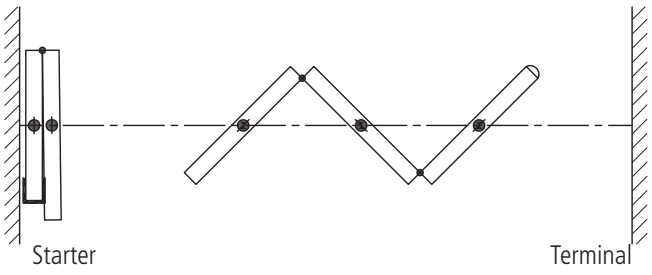
Series 5630-IGU-L

Biota Head Office  Aluminium finish: SNA  Glazing: $R_W$46 clear IGU's

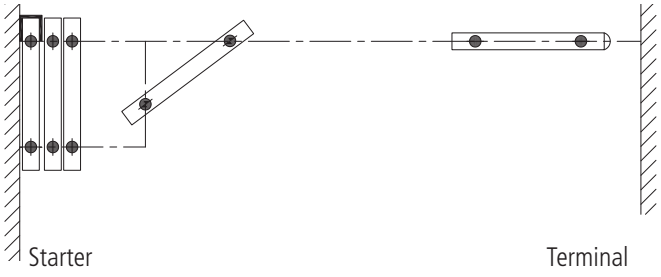
# AcoustiVu®: Technical Info

*AcoustiVu 5000 Series is designated with the first number 5. Example: 5... - ...*

**Select a stack configuration:**



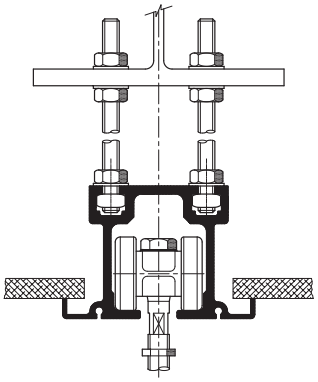

Centre Hung (Paired Panels)
Designated with the second number 5. ***Example: 55.. - ...***



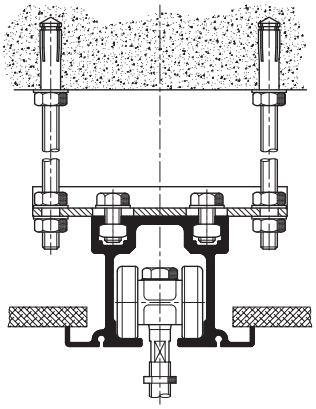

Multi-Directional (Individual Panels)
Designated with the second number 6. ***Example: 56.. - ...***

**Select a track system type:**

**Type 5**
(for Centre Hung layouts)



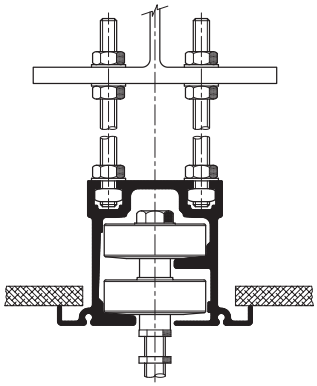
Suspended to top of track



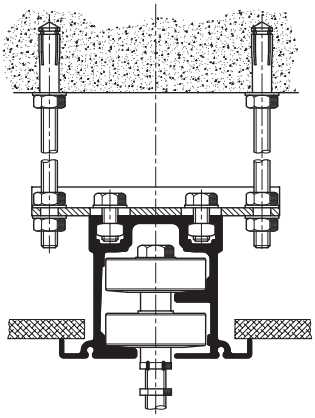
Suspended to cleat

*Third number - Example: 555.-...*

**Type 3**
(for Multi Directional layouts)



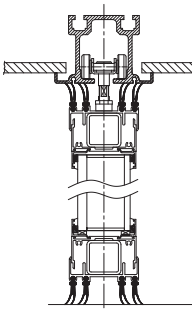
Suspended to top of track



Suspended to cleat

*Third number - Example: 563.-...*

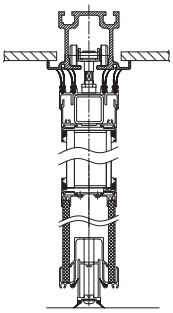
**Select a Horizontal Seal (Option):**



- Code 0

  Top & bottom of each panel shall incorporate non PVC thermoplastic, sweep seals affixed to both sides of the rails.

*Fourth number - Example: 5550 - ... Paired Panels*
*5630 - ... Individual Panels*



- Code 1

  Top rail of each panel shall incorporate non PVC thermoplastic, sweep seals affixed to both sides of the rail.

  The bottom rail of each panel shall incorporate an extruded, aluminium box section, mechanical, pressure seal.

*5551 - ... Paired Panels*
*5631 - ... Individual Panels*

**Glazing:** Select glass type (include acoustic and thermal properties)

Monolithic Toughened: Designated with SG-T

Single Laminate: Designated with SG-L

IGU: Laminate – Designated with IGU-L

Toughened – Designated with IGU-T

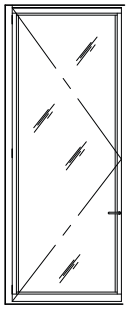
Venetians – Designated with IGUV-L Laminate

IGUV-T Toughened

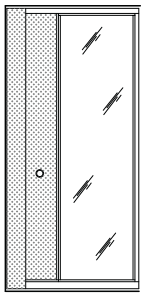
All recognized as Grade A Safety Glass in AS1288. For external applications, glazing panel must comply with AS 1170.2.

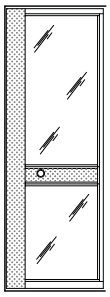
*Example: 5550 - IGU-L*

**Select a Jamb Starter (Options):**



- Hinged Full Height Access Door.
- Pivot Full Height Access Door.

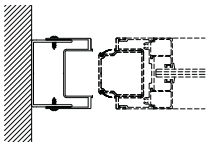




- Telescopic/Expanding Panel
- Generally used at one end to close the final gap between the operable wall and the structural end wall.

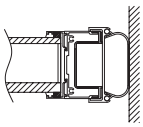
*All bottom mechanised seal panels require a 350 high kick rail.

**Select a Terminal Jamb (Options):**



- Fixed Adjustable Jamb
- A permanently attached 2 piece extruded aluminium jamb.

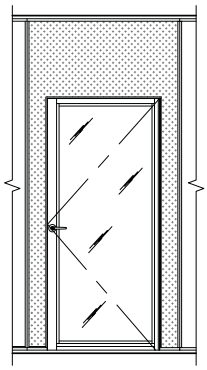
**Balloon Bumper Seal**



- Stores away with terminal panel. (Internal applications only)
- An ovoid hollow extruded non-PVC thermoplastic seal

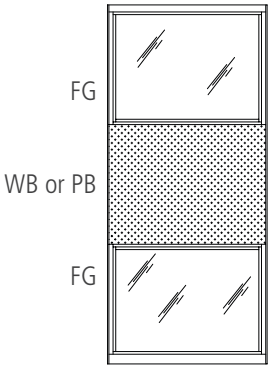
**Accessories:**

GLAZED INSET ACCESS DOORS



INSET WORKING SURFACES:

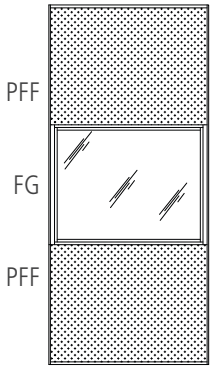
Whiteboard - Pinboards




FG - Fixed Glazing
WB - Whiteboard
PB - Pinboard
PFF - Panel Face Finish

MULTIPART FACES:

glazed or non transparent




Listing of further options:

- 90 degree hydraulic closer on pivot full height access door
- escape locks with lever handles
- enclosed venetian blinds in Insulated Glass Units

For Product Design specification contact HUFCOR or visit www.hufcor.com.au

# Introducing
# **Glass Autodoor System**
# by Hufcor

Hufcor's Glass Division continues to develop new, innovative products for the operable glass wall market. We now move another step forward proving that Hufcor are "Masters In Glass" once again.

The AllVu frameless glass wall now comes with an option of an automatic door. Standard access has been via the pivot door which requires manual operation. The autodoor option allows the user to enter/exit the room by simply activating the sensor without having to continuously open and unlock the pivot door.

The system is simple to operate and is suited for the hospitality sector and for applications with continuous high human traffic, and high end domestic applications.

# Glass Autodoor System by Hufcor

The opening mechanism is an automatic door opener and can be opened by various methods such as an auto sensor, swipe card, internally operated switch or via a remote control.

The auto door is supplied as a single operated sliding door or as a double automated sliding door. One of the main advantages is that any panel along the opening of the operable wall can be selected as the auto door. More than one set of auto doors can be configured into the wall (dependent upon the application).

The auto slider panels are offset along the branch track and sit parallel to the sliding panels when activated. A permanent operating mechanism is concealed above the track which operates the auto slide door. Adjacent jamb panels are fitted with a 90 degree return to close the gap between the auto door and the sliding panels.

The wall remains rigid at all times in the closed position with locking pins fitted to the sliding panels and a guide pin fitted to the adjacent jamb panel. This stabilizes the wall laterally reducing the chances of panels being damaged through miss-use.

Auto Sensor

Swipe Card

Internally Operated Switch

Remote Control

# **Glass Autodoor System** by Hufcor

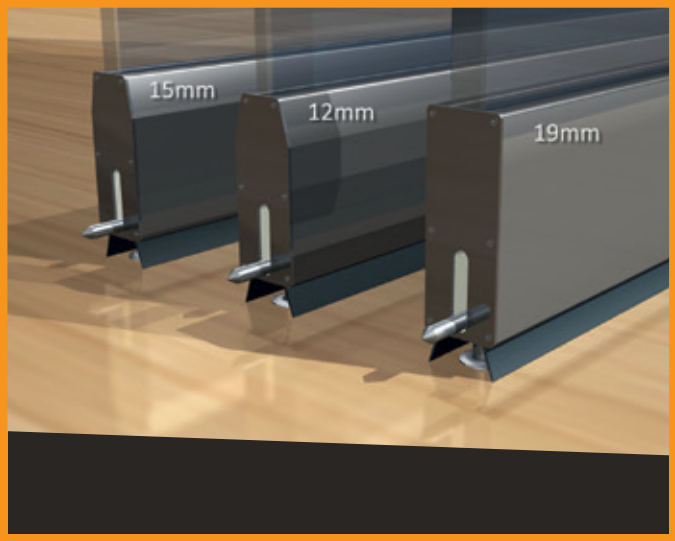
The wall system is suited to 12, 15 and 19mm thick toughened glass and are glazed in accordance with Australian Standards AS1288-2006 and design for wind pressures to comply with AS1170.2 and AS4420, and is O.H. & S compliant.

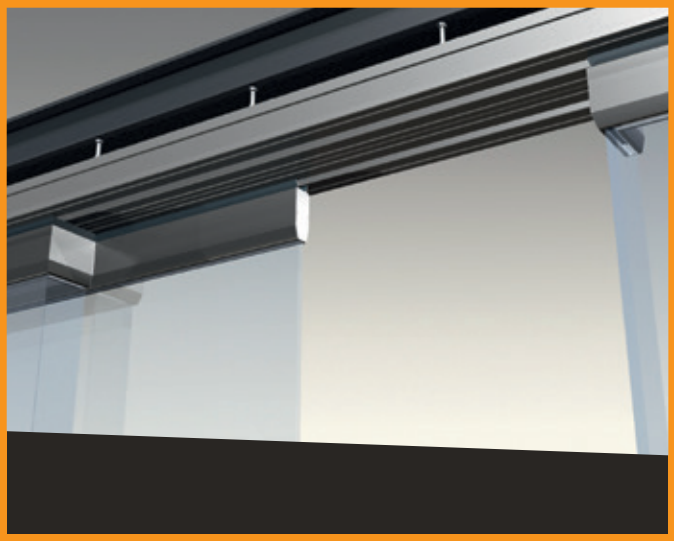
Weather seals are fitted to the top and bottom rail extrusions with bulb seals fitted to the vertical edges on one side only of each panel. Once the bulb seals are compressed, they then provide protection against wind and rain.

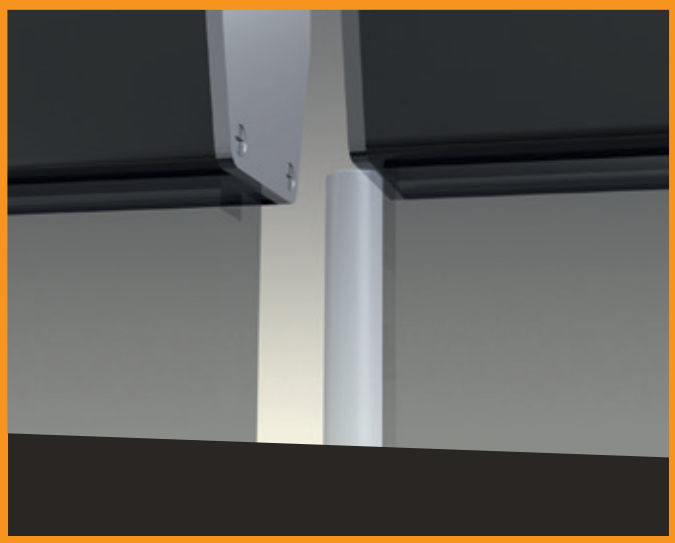
Hufcor recommends panel widths between 900-1200mm with an approximate height limit of 3200mm for all 3 nominated glass thicknesses.

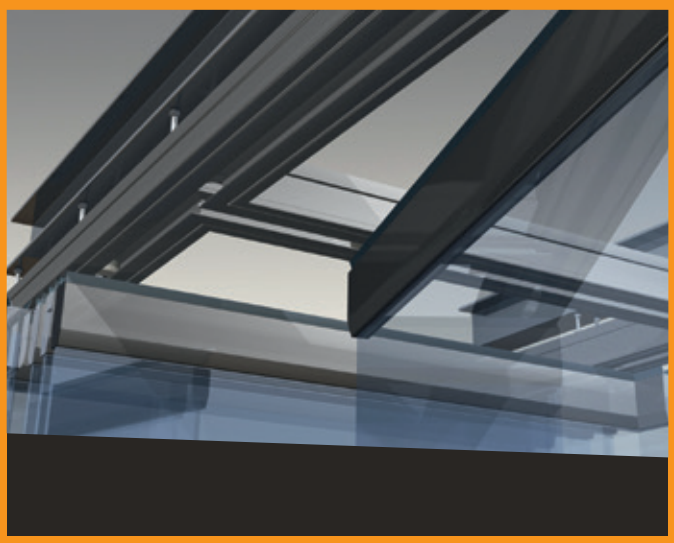
The autodoor option is also available with Hufcor's fully framed, glass operable wall panels.

The operable glass walls with auto door provide convenience and flexibility to the end user without affecting the visual aspect of the operable wall.







**"The operable glass walls with auto door provide convenience and flexibility to the end user without affecting the visual aspect of the operable wall."**

Contact your local Hufcor supplier for further details on the "autodoor" system.

# AllVu®: Seamless moveable glass walls

Series 3630-I5

Perigian Springs, Golf Course - QLD  Aluminium finish: SNA  Glazing: 15mm clear toughened

Series 3630-12

Residence: Albert Park - VIC  Aluminium finish: SNA  Glazing: 12mm clear toughened

Series 3550-12

Mark Bar - QLD Aluminium finish: SNA Glazing: 12mm toughened opaque with applied film

Series 3630-12

Accenture Buildings, Sydney - NSW
Aluminium finish: Powdercoated
Glazing: 12mm clear toughened

Series 3630-12

Telstra Wintergarden - QLD
Aluminium finish: SNA
Glazing: 12mm clear toughened

# AllVu®: Product Selector

| | | | |
|---|---|---|---|
| **Product:** | Glass Wall - Frameless | | |
| **Series:** | 3550-12 | 3550-15 | 3630-19 |
| | 3630-12 | 3630-15 | 3850-19 |
| | 3750-12 | 3750-15 | |
| | 3850-12 | 3850-15 | |

**Recommended maximum sizing of panels, using single pane Grade A safety toughened glass.**

| | Height | Width |
|---|---|---|
| 12mm | 3200mm | 1000mm |
| 15mm | 3500mm | 1000mm |
| 19mm | 3500mm | 1000mm |

**NB – For sizing beyond those recommended, please discuss with Hufcor's Glass Technical Services Team*

- All glass and glazing must comply with AS1288 – 2006; Table 5.3 refers to unframed side edges.
- **External Use: From AS1170.2 a design wind pressure must be provided to ensure code compliance for serviceability and deflection.**

**NB – For exposure to coastal and chlorine environments, stainless steel fixing and components should be considered.*

A quality system of operable toughened glass doors and panels, designed to give maximum utilization of space with vision. To be used in areas that you wish to divide with a physical, but not a visual barrier.

**Ultimate strength tested to AS4420-1996**.
"Test available on request"

**Description:**

- Individual Multi Directional Panels, Paired Centre Tracking Panels, Paired Bi-folds and Horizontal Sliding panels.
- Manually Operated
- Top Supported (No floor track required)
- No Acoustic Rating (Note: 12mm glass has a laboratory test of STC30. 15mm glass has a laboratory test of STC34. With fitment of gaskets our panels should provide some acoustic benefits).

## "Standard" Product Features and Benefits

Look for these features when comparing similar products.

1. **Feature:** Top supported.
   **Benefit:** No need for floor tracks that gather dirt and dust and are easily damaged.
2. **Feature:** Hufcor Type 3 multi directional tracking system or Type 5 centre tracking system.
   **Benefit:** Proven performance in thousands of moveable wall installations around the world. Life cycle tested to 160klms or approximately 10yrs of use.
3. **Feature:** Glass fixed to rails with stainless steel rods through holes in the glass (instead of friction).
   **Benefit:** Provides a positive hold and ensures that the glass cannot slip from the top rail.
4. **Feature:** Horizontal rails are a one-piece aluminium extrusion
   **Benefit:** No requirement for face cover plates that are easily dislodged from multi-part rails
5. **Feature:** Unique rail design allows concealed fitment of footbolts and lock bodies
   **Benefit:** Aesthetics and protection from damage and the elements
6. **Feature:** Rail design allows fitment of dual seals that are uninterrupted by the fitment of any hardware.
   **Benefit:** This has draught proofing and aesthetic benefits and also eliminates the need to fit additional aluminium sections for the installation of brush seals.
7. **Feature:** Rail end caps fixed at 6 points.
   **Benefit:** Greater strength and less likely to move or dislodge than end caps that are held with one or two fixings.
8. **Feature:** Interlocking bottom rails.
   **Benefit:** Ensures flat set-up of the partition.
9. **Feature:** Footbolts must be set before next panel can be positioned.
   **Benefit:** Ensures that footbolts are set, that the panel is plum and is securely locked in place.

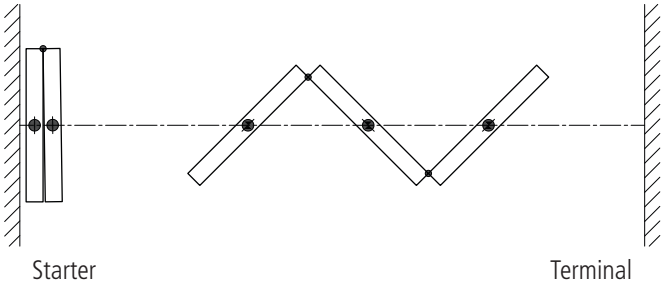
Series 3630-12

Tuscany Restaurant - NSW
Aluminium finish: SNA
Glazing: 15mm clear toughened

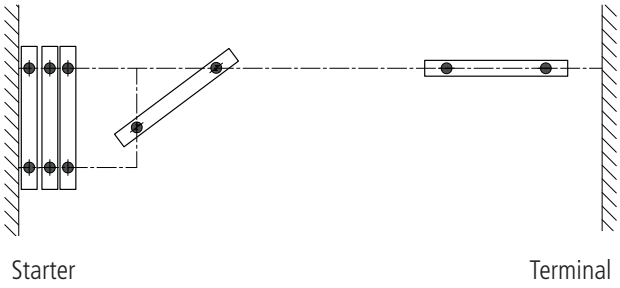
# AllVu®: Technical Info

*AllVu 3000 Series is designated with the first number 3. Example: 3... - ...*

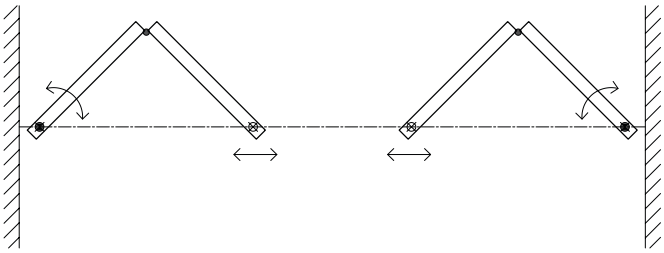
**Select a stack configuration:**




Centre Hung (Paired Panels)
Designated with the second number 5. ***Example: 35.. - ...***




Multi-Directional (Individual Panels)
Designated with the second number 6. ***Example: 36.. - ...***

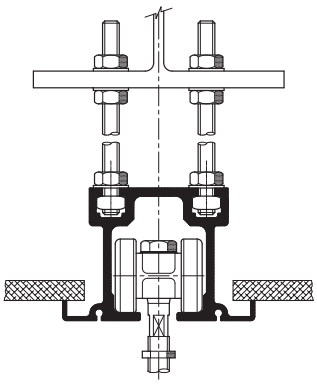


Bifolding Panels
Designated with the second number 7. ***Example: 37.. - ...***

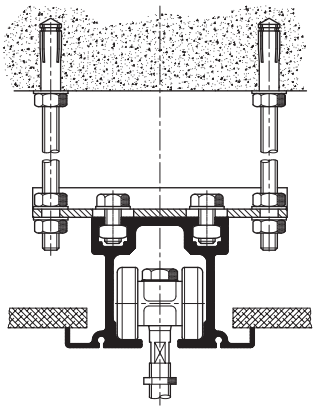
Slider Door
Designated with the second number 8. ***Example: 38.. - ...***

**Select a track system type:**

**Type 5**
(for Centre Hung layouts)



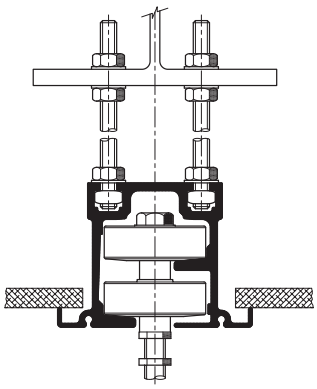
Suspended to top of track



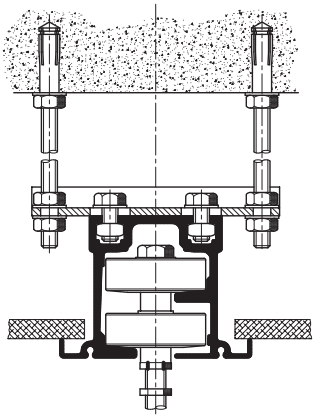
Suspended to cleat

*Third number - Example: 355. - ...*

**Type 3**
(for Multi Directional layouts)



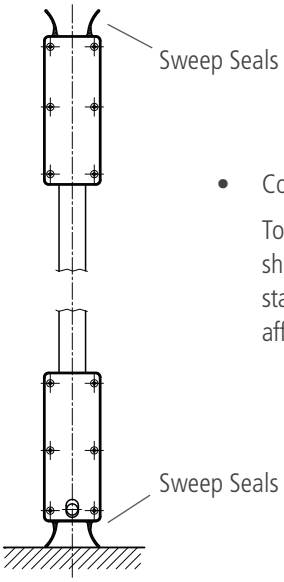
Suspended to top of track



Suspended to cleat

*Third number - Example: 363. - ...*

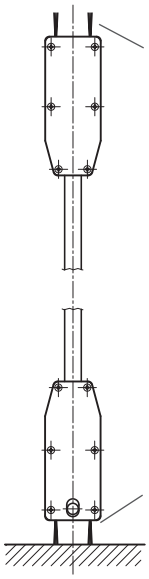
**Select a horizontal seal (options):**




- Code 0 (Standard)

  Top and Bottom of each panel shall incorporate – non PVC, U.V, stabilized thermoplastic, sweep seals affixed to both sides of the rails.

*Fourth Number - Example: 3630 - ...*




- Code B (Optional)

  Top and Bottom of each panel shall incorporate nylon filament brush strip seals affixed to both sides of the rails.

*Fourth Number - Example: 363B - ...*

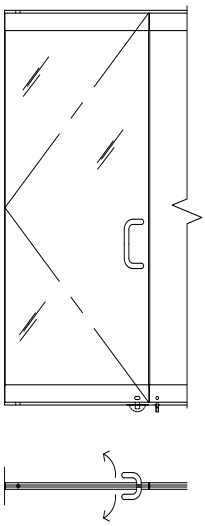
**Select required glazing thickness:**

Monolithic Toughened: Recognized as a Grade A safety glass in AS.1288

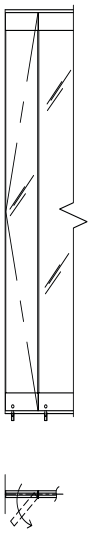
Top and bottom rails – available to accommodate 12-15 and 19mm thick glass.

*Selection Example: 3630 - 19*

**Select a Jamb Starter (Options):**

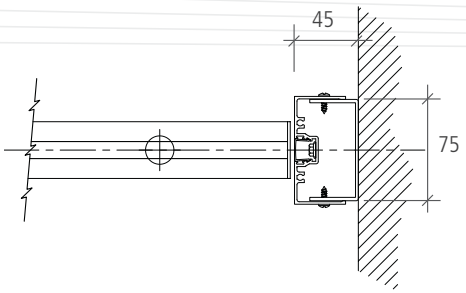


- Full height access door swinging 90-180° degrees
- Free travelling or with hydraulic closer

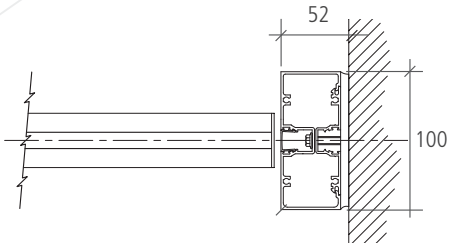


- Hinged flipper panel
- Used in lieu of a pivot door to create a void to allow the wall to function.

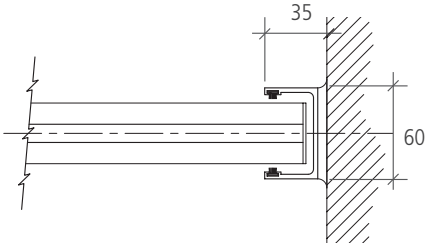
**Select a Jamb (Options):**




- 300 Series
  Can be fitted at either end of opening.




- 400 Series
  Can be fitted at either end of opening.

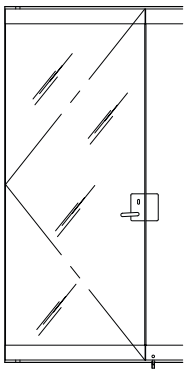



**Terminal C Jamb.**

- Option for Terminal end of opening

**Accessories:**

SIDE FIX PATCH LOCK FITTINGS.



**Listing of further options:**

- Hydraulic floor springs 90° & 180° action.
- Push - pull handles as selected.
- Semi - automatic footbolt.
- Stainless steel or brass coverplates.

Series 3630-15

Moonee Valley Racecourse  Aluminium finish: SNA  Glazing: 15mm clear toughened

Series 3630-19

Crown Buffet - VIC Aluminium finish: SNA Glazing: 19mm thick 3form Varia glass

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