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OPERABLE WALLS



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About Us

Unifold is an Australian owned company with decades of experience in the design and manufacture of acoustic movable partitions and accordion doors. We are proud to serve a national and international customer base, working with some of the best tier 1 and 2 builders all around Australia. Our customers can count on our accessibility and willingness to assist, from their first enquiry right through to installation and onwards.

We've been making acoustic dividing products since 1984. Fast forward to today and our culture is very much the same although we're not just talking folding doors. We now have a range of high quality operable wall and glazed products. Over the years we have evolved to become more than just a manufacturer. We design, consult, engineer, install and maintain. We look forward to being of service to established and new customers seeking a quality, custom solution to their partitioning and acoustic management needs for many years to come.



Values



RESPECT

We respect and value our customers and team mates alike, and the contribution that they make.



INTEGRITY

We act fairly, ethically and professionally in all we do.



TEAMWORK

We combine our energy, skills and resources to deliver the best achievable results.



PERSEVERANCE

No matter how difficult or challenging the task, we finish what we started.



CONSISTENCY

Constant effort and continuous improvement to providing only the best quality workmanship and customer service.



CULTURE

We check our egos at the door, committed to supporting our customers whilst creating a healthy, fun and productive work environment.

The Unifold Difference

We are proud to serve a national and international customer base, supplying our products throughout Australasia. Many of our customers have utilised our products for years over multiple projects, appreciative of the Unifold culture for customer service excellence. This commitment includes offering flexible lead times, rapid turnaround time for quotations and delivery, expert advisory, a solid factory warranty and prompt service and repairs. Our customers can count on our accessibility and willingness to assist, from their first enquiry right through to installation and onwards.

Unifold is positioned to manage small and large projects. Our broad scope of works means our customers can procure a diverse range of complete products from the one supplier, all manufactured and installed to equally high standards.

As a testimony to the Unifold difference, the company has been a finalist for Progressive Australian Business Awards and has been awarded Australian Design Awards. In 2009 we were nominated as an outstanding supplier for the National Public Building Awards. In an effort to do our part for a more sustainable future, we have become members of the Green Building Council of Australia.

Unifold intends to continue on our proven path to longevity and success.

We provide high quality operable wall, folding door and glazed products combined with exceptional customer service.

From the design and manufacture stages through to installation and support we promise to be professional, honest and customer focused.

Our aim is to build a great business on a great reputation.

The 70 Series & the 100 Series

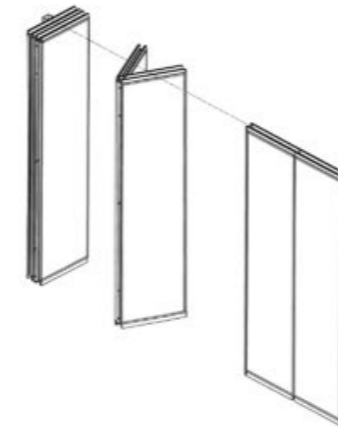
Unifold Operable Walls provide a stylish and versatile solution to meet your space dividing needs. With several available options, we can construct your Operable Wall to meet a wide range of sound reduction needs. Our design requires no floor track however as an accessory you can choose the optional retracting floor seal for additional stability. If necessary, the panels can easily manoeuvre along 90-degree turns in the ceiling track, allowing full closure for any shape of room, or even an out of view stacking cupboard.

Below are the standard specification of a Unifold Operable Wall.

SPECIFICATION	70 SERIES	100 SERIES
Panel Thickness	75mm	100mm
Panel Width	1200mm maximum	1200mm maximum
Acoustic Rating	RW41 – 45	RW50
Weight	21kg/m ² – 39kg/m ²	58kg/m ²

Stacking

When your operable wall is retracted, there are several options for storing your panels. A centre stack is the most simple and basic stacking option available. A side stack allows you to store the panels slightly off to the side of the main track, which would keep the stack from protruding into a hallway, for example. This is particularly ideal for applications which utilize a full-sized pass door. Lastly, a remote stacking option allows you to store the panels wherever you wish, such as a cupboard bay, which both protects the panels whilst also keeping them out of view.

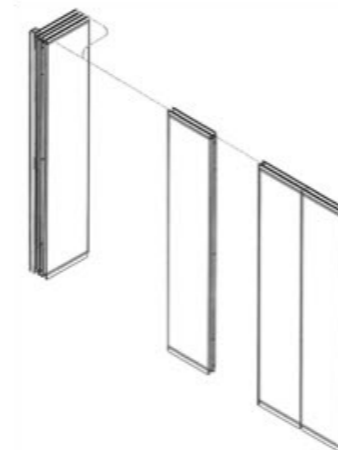


Centre Stack

Each Panel includes one centrally located 4-wheel trolley.

This is the most common stacking arrangement. For extra stability, the panels are operated and hinged in pairs. With a full height pass door option, the door will open to one side of track only, not half-half, as with stacking of all other panels.

ADVANTAGE	SPECIAL CONSIDERATION
<ul style="list-style-type: none"> - No additional headwork for stack end of the wall. - Ideal for bulkhead installations. - Low cost - Can accommodate up to 15 degree corners. 	Stronger structural head required due to the ability to stack all panels anywhere along the track. (Point load).

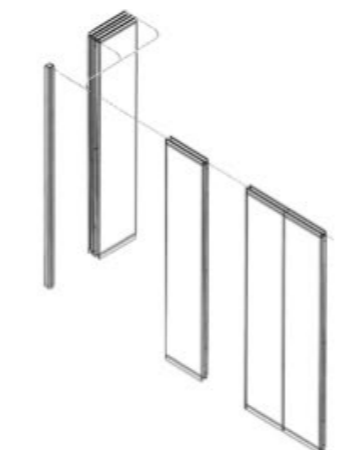


Side Stack

Each Panel includes two 4 wheel carriers

The easiest way to operate panels as they are individually pushed along the track. All panels will stack to one end and into the stack bay.

ADVANTAGE	SPECIAL CONSIDERATION
<ul style="list-style-type: none"> - Easy to operate - Point load only at the stack end. - Can accommodate corners and columns. 	Extra headwork required for the stack track. (If fitted to a bulkhead, a separate bulkhead required for stack track).



Remote Stack

Each Panel includes two 4 wheel carriers.

Similar to side stack, but panels are moved along the track to a remote stack away from the main track. (Into a separate stacking bay, storage room etc).

ADVANTAGE	SPECIAL CONSIDERATION
<ul style="list-style-type: none"> - Can be stored in a separate area. - No panels seen when wall is open. - Can accommodate corners and columns. 	Extra costs involved with requirements for extra tracking and headwork.

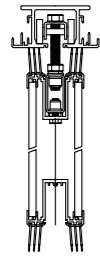


Seals

There are several options to consider when deciding on the proper seals of your Operable Wall. The main factor will be your desired Rw Rating. (Weighted Sound Reduction).

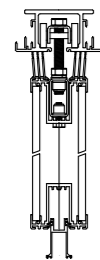
Many of our customers find that fixed sweeping seal to be sufficient when finalising specifications of their Operable Wall. The main benefit of retractable bottom seals are ease of movement, the capability to facilitate with more out level floors (up to 12mm) and overhead beam deflections.

Testing completed at the NATA (National Association of Testing Authorities) has proven that sweep seals do not compromise acoustic performance. All Operable Wall testing has been completed with fixed top and bottom seals up to the acoustic level of a Rw50.



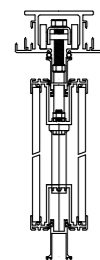
Seal Option 1:

Fixed top and bottom seals: the most economical solution with double 3 finger sweep seals top and bottom of panel. Sweep seals can accommodate up to 25mm variance in floor levels due to 'tear offs' in each finger.



Seal Option 2:

Fixed top and retractable bottom seals: combines the option of the 3 finger sweep seal on the top of panel to track with a mechanical seal at bottom of the panel to floor. This option allows for up to 12mm floor variance. Retractable seals are easily operated with a removable handle.



Seal Option 3:

Retractable top and bottom seals: mechanical seal from top of panel to track and bottom of panel to floor. Retractable seals are easily operated with a removable handle.

Panel Frames

Stiles

The aluminium panel and door stiles are designed to achieve superb sound isolation qualities. Using an interlocking male-to-female principal, the stiles lock the panels together and become airtight with the use of rubber seals. operable in between acoustic & wall.

Be sure to ask for advice from our Unifold representatives what the most suited seal combination is for your acoustic wall.

Acoustics

The typical insulated wall in a house has a RW rating between 34-39, so even our most basic operable wall will perform better than a standard wall. When you are deciding the best sound rating for your wall, it is important to consider a few things. As with all things, a chain is only as strong as its weakest link. In this case, the weak link will be spaces where sound can leak; such as through air ducts, or open spaces in the ceiling. Make sure that you are picking a wall that will properly match the acoustics of your room.

RW RATING	RATING	WEIGHT
1	41	21 kg/m ²
2	42	23 kg/m ²
3	44	36 kg/m ²
4	45	39 kg/m ²
5	50	58 kg/m ²

RW CHART

- 34 - 38 Loud Speech Understood Schools
- 38 - 42 Normal Speech Audible; uninstal Libraries, Churches
- 40 - 44 Loud Speech Audible, but uninstal Meeting Rooms, Higher Ed
- 43 - 47 Loud Speech Barely Audible Boardroom, Clubs
- 46 - 50 Shouting Not Audible Community Halls, Private Meeting Rooms

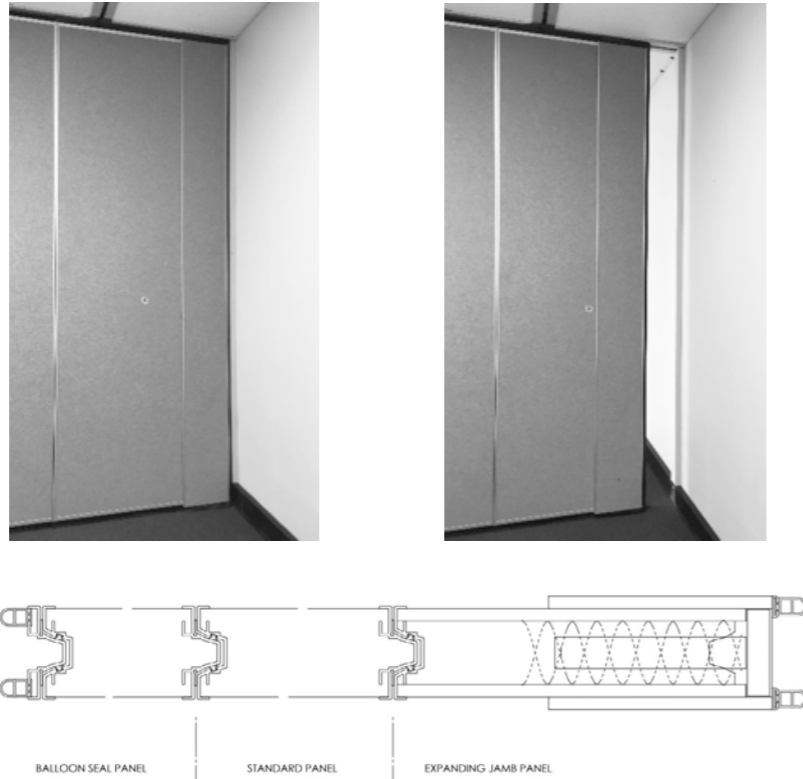


Closures

Operable Walls require a specific closure in order for the panels to sit both flush when opened and closed.

Option 1:

Expanding Panel - A panel that has two telescopic wings sections that expand out to create a seal. Opposite end closure is a balloon seal. See diagram below;



Option 2:

Full Height Pass Door – Suitable on standard height walls. This is positioned as the last panel and is hinged off the fixed jamb.

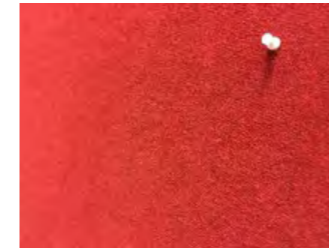
Alternatively, balloon type bulb seals can be used at the end of the panels eliminating any fixtures on the perimeter wall.



Finishes

Choose from featured finishes below or even find your own textile or patterned finish that suits your space and we will fit it to your wall.

Standard:



Pinboard (available in non pinnable)



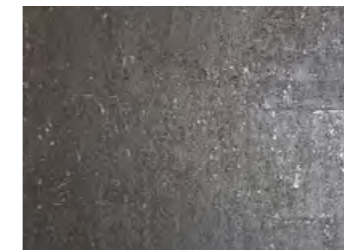
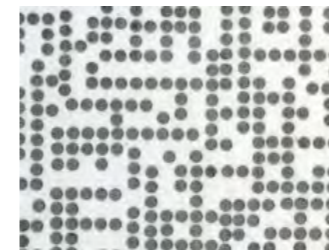
Whiteboard



Vinyl

Textiles

Our suppliers include Instyle, Woven Image, Rim Fabrics and Baresque.



Accessories

Footbolts, Kickplates, Concealed Frame, Key locks, Pinboard, Whiteboard



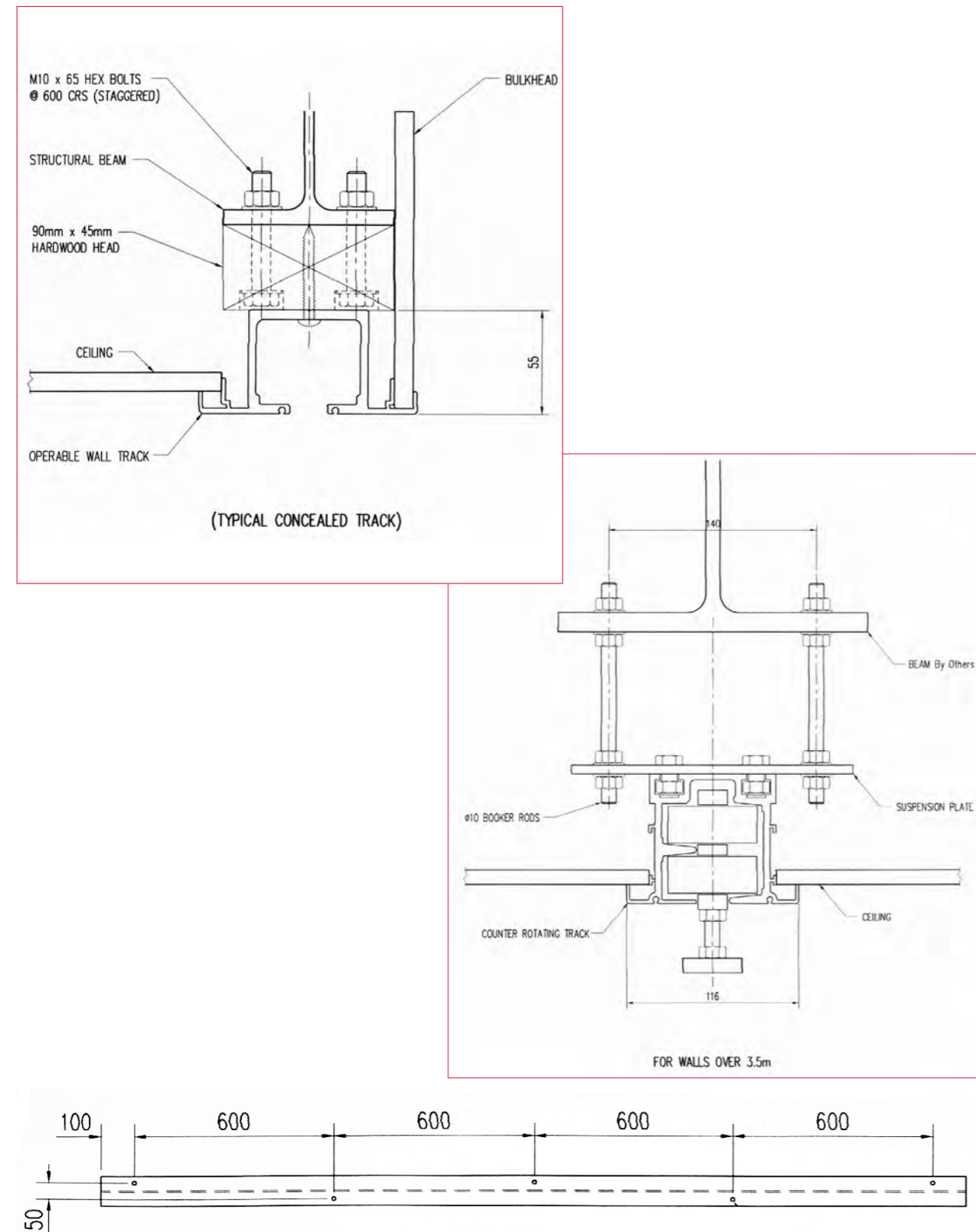
Inset Pass Door



Viewing Panel

Technical Data

Tracking System



Export

Throughout its history Unifold has always been involved in international supply and has built a network of contacts throughout years of service. Our key strengths in Export lay in the diversity to supply a wide range of projects by specialising our service to cater to their unique needs.

We have a vast customer network that covers Australasia, South East Asia, and the South Pacific. Unifold has been involved in Export for in excess of 20 years and is now established as a known brand in its trading markets. This provides Unifold with unique knowledge that takes a lifetime to accumulate and contact bases in foreign markets that are difficult to build.

Professional export packing staff provide a safe, robust and cost effective solution to ensure your order arrives at the destination in the same condition it left our premises; regardless of size, weight and delicate nature of the product.

Talk to us today about Distributors in your area.

Service Repair Warranty & Maintenance

Your operable wall is guaranteed for one (1) year against manufacturer's defects.

However, in order to assure a lifetime of reliable and easy operation, we recommend Operable Walls & Accordion Doors be serviced regularly. More important than the wellbeing of the product, regular service will help to prevent safety issues caused from neglect and general wear and tear. Over time, head tracks can collect dust, making doors and wall panels more difficult to move. This often occurs subtly and over a period of time, making it hard to notice when your door or wall is not operating at an optimum level of performance. We suggest a regular service yearly. This is the best way to protect your investment and assure many years of use.

Operable Wall & Accordion Door services include:

- Cleaning and adjustment of tracks and wheel carriers
- Lubrication of track systems
- Complete inspection of all parts including mechanical seals and carriers
- Integrity inspection of all rubber parts, including stile seals and floor/track sweeps
- Overall inspection of structure to assure stability and strength of wall or door

We want to make sure that our product is performing to your standards and is maintaining the same level of performance as the day we handed it over to you.

REQUEST A QUOTE - available online now

