



*Bildspec Operable Walls*





## About Us

Bildspec was established in 1969 by Sydney engineer, John Ellacott. The business started off as the NSW distributor of an overseas company's range of folding doors and operable walls. When the overseas company went out of business in the mid 1980's, Bildspec started manufacturing our own range of operable walls from high-quality, locally sourced parts.

Bildspec quickly developed a reputation for providing industry-leading products within fast lead times, and at great value to customers, Australia-wide. This value does not only encompass price, but also product quality, speed to market and the overall level of customer service offered.

## Introduction

We have designed this brochure with you in mind to assist with your Operable Wall decisions and specifications. Our operable walls carry a market leading 2-year warranty coupled with stringent acoustic testing, so you can rest assured that our panels are made to last and perform to the highest acoustic standards. Bildspec pride ourselves on delivering our operable walls on-time and defect free to assist you in bringing your operable wall project to a hassle-free completion.



# At Bildspec, we are always conscious that our customers are the very reason we exist!

Customers are at the core of what we do.

Here are few of our service and care commitments to our customers:

- Our Operable walls are designed with the end user in mind.
- We offer early design stage consultation for space planning and costing.
- 2-year manufacturer's warranty as standard.
- Our systems have under gone all required acoustic and engineering tests to ensure they are robust and deliver the acoustic attenuation stated.
- Our operable wall systems have been designed to move easily with the aid of diverters to ensure the movement of the panels are as easy as possible for the end users.
- We have one of the shortest lead-times on the market and deliver to agreed timelines.
- Handover and demonstration to the end user are offered on all our jobs.
- Bildspec have implemented a continuous improvement program aided by customer feedback, design improvements and continuous laboratory testing.
- Our service department provides a quick response to any repair/service needs through our highly trained service technicians. However, as with any quality product, regular servicing and maintenance is recommended. We offer preventative maintenance agreements which are an effective way to ensure your operable walls are regularly inspected and serviced.



**Our commitment is to supply high-quality operable walls at competitive prices, as well as to provide innovative solutions & uncompromising after-sales service.**



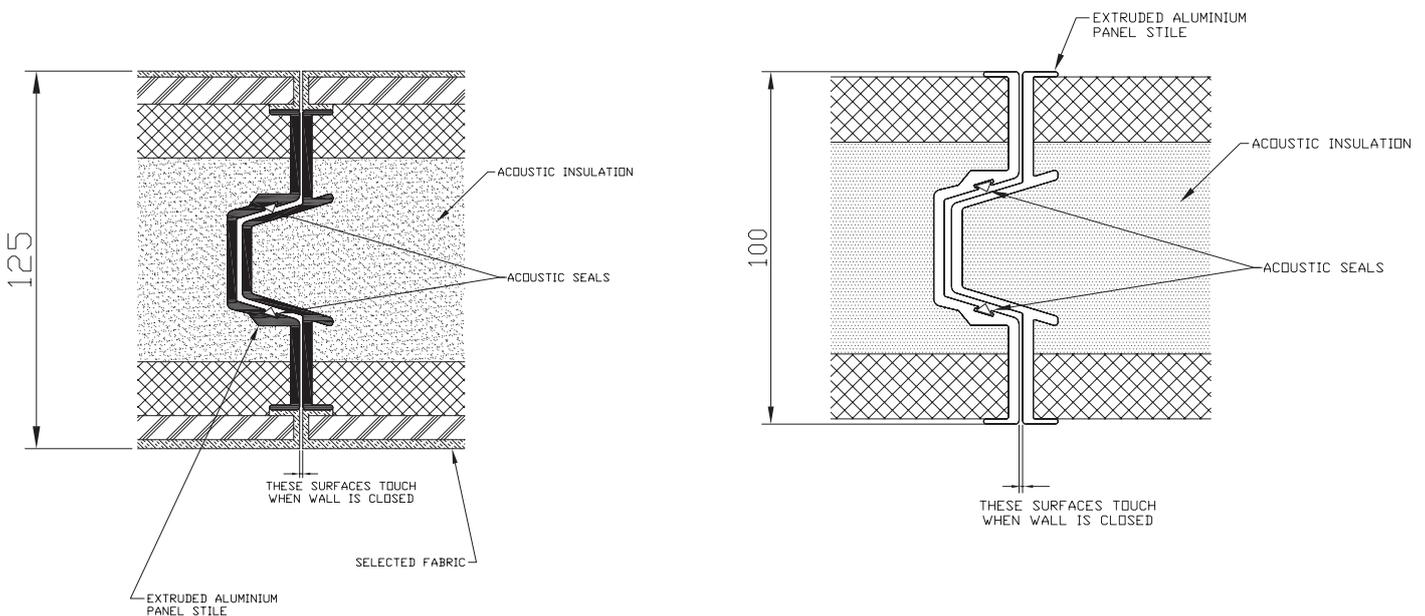
# Specification: How to Specify Our Products

A typical example of a specification code is 100S/49/SD2. Read below for further information as to what this means:

## Step 1. Panel Section:

Our series 100 walls come in two frame types:

1. Standard stile: (S) with a trim that consists of a 9mm wide perimeter frame around the 100mm thick panel.
2. Concealed Stile: (C) with no visible perimeter frame and a 124mm thick panel.



## Step 2. Acoustic Performance (Rw):

This is the most important part of an operable wall specification. Please consider that selecting high acoustic ratings may not be necessary for your project or, that the surrounding structure (periphery) may not support it structurally or acoustically. Selecting higher than required acoustic ratings adds to project costs and adds weight to the overall system and components.

**Rw42** Normal speaking voices intelligible, generally suited to lower end applications where acoustic control is not required and the operable wall is to act more like a physical divide.

**Rw45** Normal speaking voices somewhat intelligible, you can understand some words and tonality. Suited to applications like school classrooms (EFSG standard), smaller 4 – 6 people meeting rooms, church halls and aged care facilities.

**Rw47** Normal speaking voices barely intelligible, suited to applications like 6 – 10 people meeting rooms, school halls, church halls and aged care facilities

Bildspec's range has been tested to Australian Standard AS1191-200 (R2016) and AS/NZ ISO 717-1 (20040). The following is a guide to selecting what is appropriate for your project from our range:

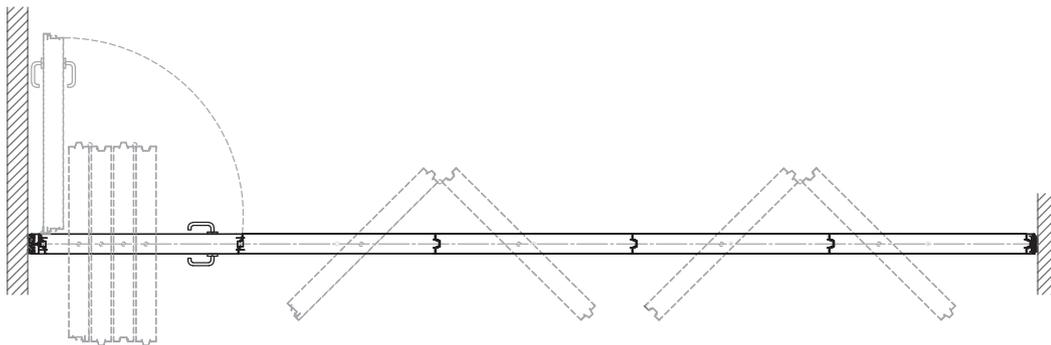
**Rw49** Raised voices barely intelligible, suited to applications such as boardrooms, larger 8 – 12 people meeting spaces, smaller conference centres and hotel function rooms.

**Rw52** Raised voices unintelligible, and amplified sound is controlled, at the high end of the frequency range this is used in large 12 – 20 people training rooms, board rooms, conference centres, hotel function rooms, lecture theatres, convention centres and spaces/rooms where a high level of sound attenuation is paramount.

### Step 3. Stacking Arrangement:

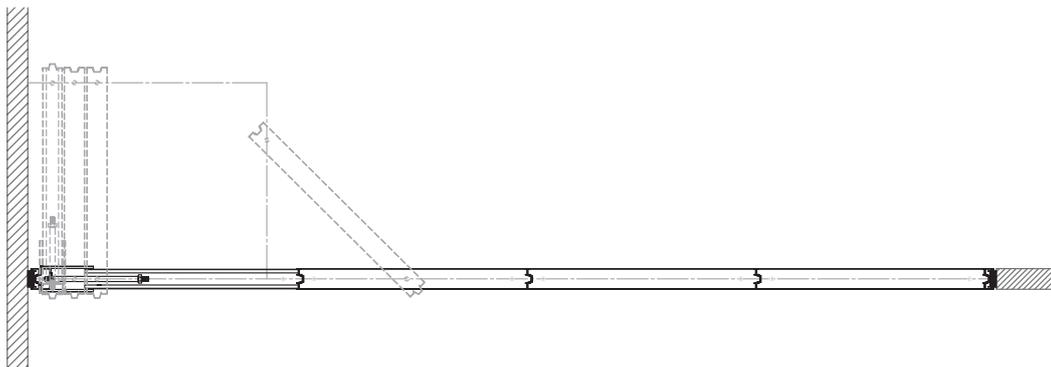
The next selection for your project is to choose how and to where the panels will stack away. There are 3 standard types to choose from **centre stack, side stack and remote stack:**

**Centre Stack** A single straight line of track where the panels turn perpendicular to the track. The carriers/trolleys are central to the panel and 50% of the panel is either side of the centreline of the head track. The panels fold away on the main run of track to one or both ends. Please note the head track will need to be supported continuously (all along each line of track) by either a concrete slab or a steel beam.



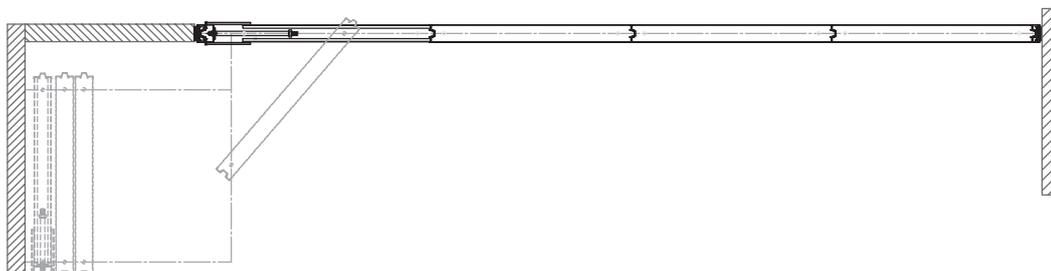
This is the simplest and most cost-effective way to stack away your panels. This system typically has the panels hinged in pairs for stability. By using our 4 bearing trolleys, the end user can glide the panels away and transform the space as required.

**Side Stack** There is a main, straight line of track, with the stacking area mainly off to one side of the track only (looks like an h shape). The panels run along the main line of track and turn perpendicular to the track. The carriers/trolleys move 95% to the side of the centreline of the head



track, with only one carrier/trolley staying on the main line of the track. Please note the head track will need to be supported continuously (all along each line of track) by either a concrete slab or a steel beam\*.

**Remote Stack** There is a main, straight line of track, with the stacking area completely off to one side of the track only (looks like a one-handed Trident/pitchfork). The panels run along the main line of track and turn perpendicular to the



track with both carriers/trolleys 100% off the centreline of the head track, and normally stacking into a formed pocket or stacking bay\*.

\*Bildspec offer two types of tracking systems to accommodate both the high-end user or heavy weights. These are our premium Number One Track and Curves, or our cost-effective Number Two Track, which incorporates high and low rollers to carry the panels.

## Step 4. Closure Type:

An acoustic wall with interlocking stiles requires a gap to be created to stack or close up the wall. We can create this gap in 2 ways depending on your project's requirements:

- D DOOR FULL HEIGHT**
- X EXPANDING PANEL**

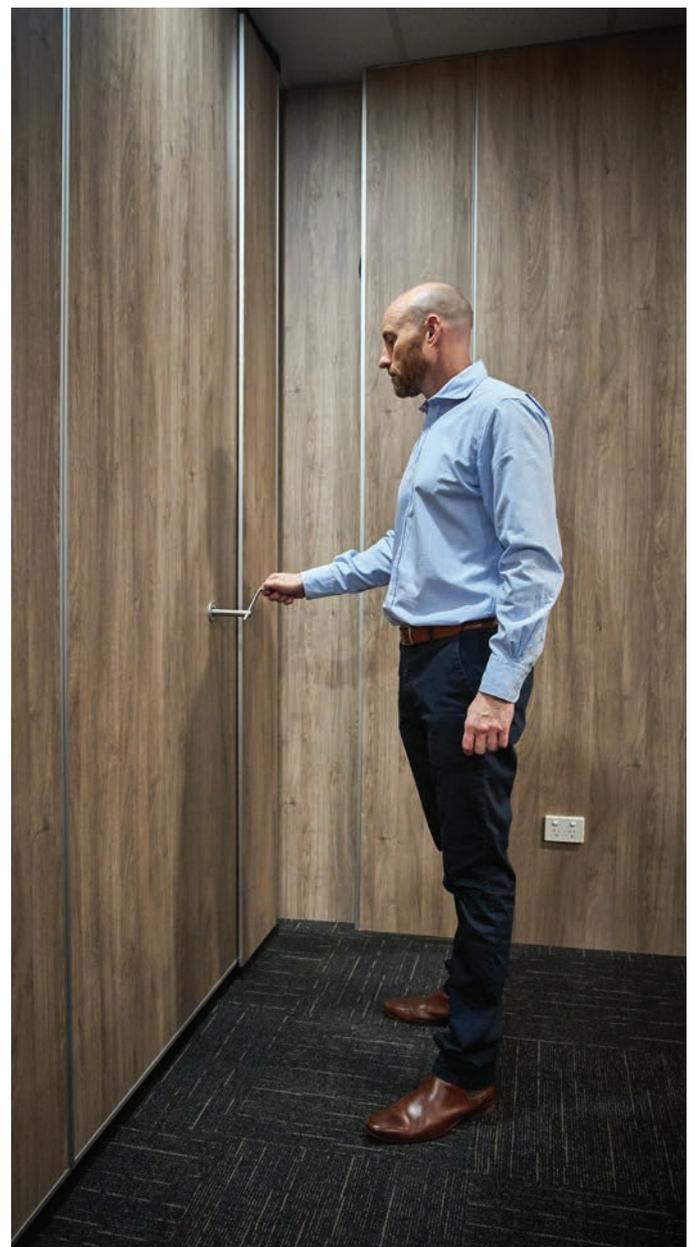
### Full Height Door Panel

Generally hinged off the wall at the stacking end (but can be hinged from another panel), this closure type allows not only to “break” the wall down or close it off, but also allows pedestrian access through the wall. This access can be designed to provide DDA compliance. (Disability Discrimination Act requirement).



### Expanding Panel

This method has a telescopic section that mechanically moves in and out, to “break” the wall down or close it off, however it does not allow for pedestrian access through the wall. This method has the best acoustic properties and adds extra rigidity to the wall system when it is in place. It is operated by a removable handle which means it cannot be operated by people without the required key.





## Step 5. Seals - Top and Bottom:

Our systems incorporate a number of seal configurations dependant on the site conditions and the application.

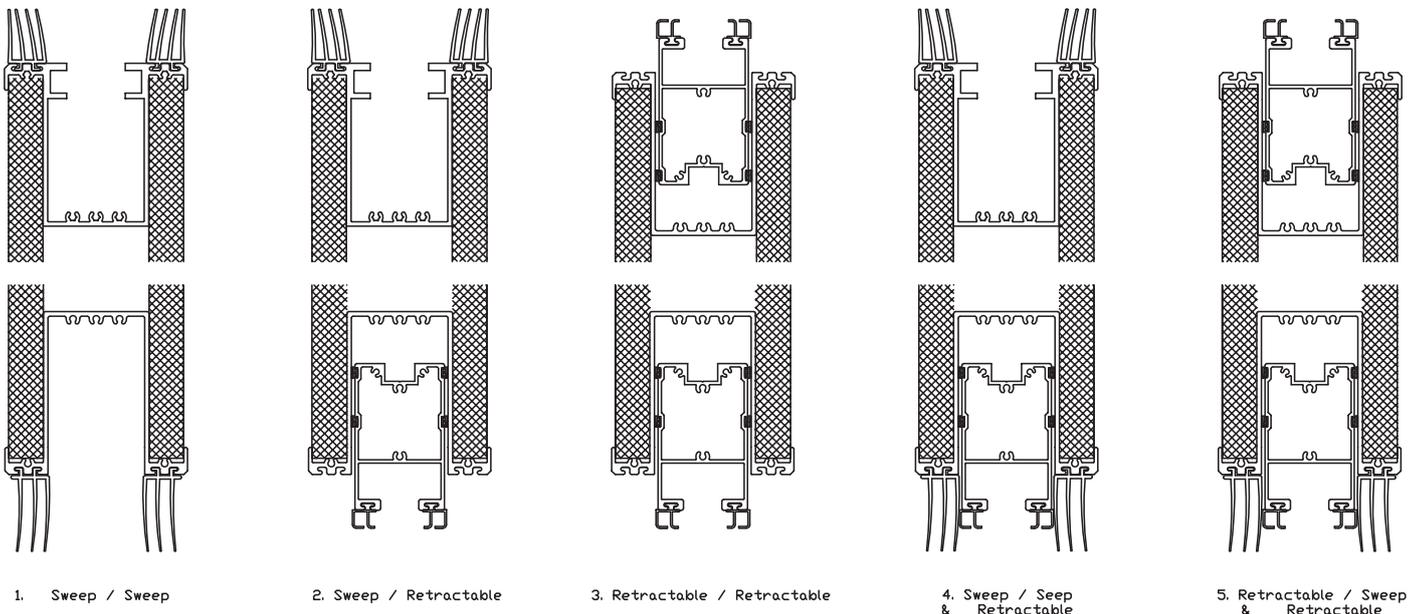
**Type 1** Our basic offering being a dual line of fixed triple finger sweep seals top and bottom, which can be trimmed to the floor. These are a cost-effective option, however they can cause friction when the panels travel over the floor's high points which in turn makes the panels harder to move.

**Type 2** Our recommended and standard offering of dual line fixed triple finger sweep seals at top and mechanical retractable bottom seals. This assists the friction free movement of the panel offered by the retracting bottom seal. Furthermore, with a seal travel of 35mm, panels are able to accommodate more inconsistencies in undulating floor levels.

**Type 3** For higher acoustic applications 50 Rw and above, Bildspec suggest a combination of fixed dual line triple finger sweep seals and mechanical retractable seals to the bottom. This still gives the panels the added manoeuvrability of the retracting seal while providing a stronger sound barrier by adding a fixed dual line of fixed triple finger sweep seals.

### Type Top / Bottom

- 1 Sweep / Sweep
- 2 Sweep / Retractable
- 3 Retractable / Retractable
- 4 Sweep / Sweep and Retractable
- 5 Retractable / Sweep and Retractable



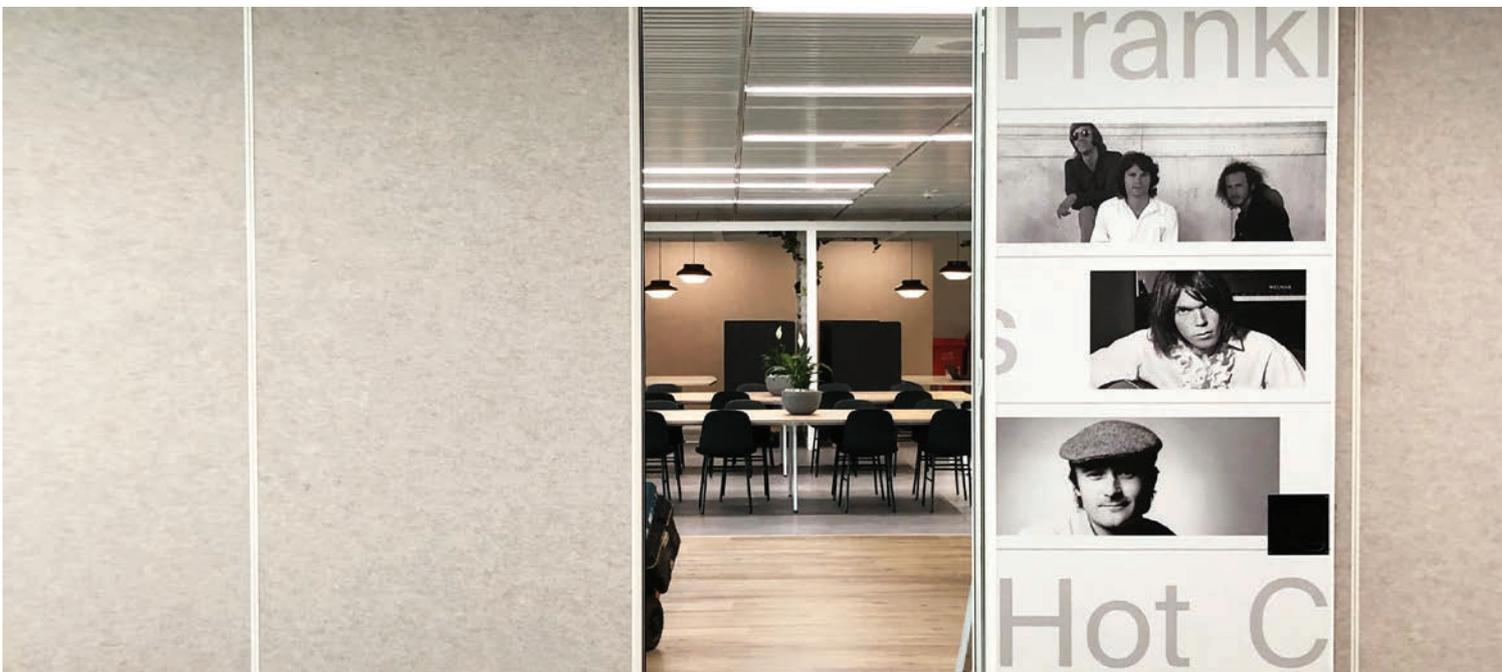
## Step 6. Finishes:

It is time to add some personality to your operable walls by choosing your finishes.

Panel faces can be finished in a multitude of surfaces. These can be bonded to the acoustically tested base board, and include, but are not limited to, most fabrics, vinyls, laminates, timber veneers, pinboard materials, whiteboards, two pac polyurethane, colour backed glass and more. You can even apply custom printed vinyl wraps.

Panel trims, wall jambs and tracks can be either anodised or powder coated.

Bildspec's standard aluminium finishes are white powder coated head track (to match ceilings), and satin natural anodised panel frames and jambs (because of its neutral colour tone and the fact that it is the most durable finish).

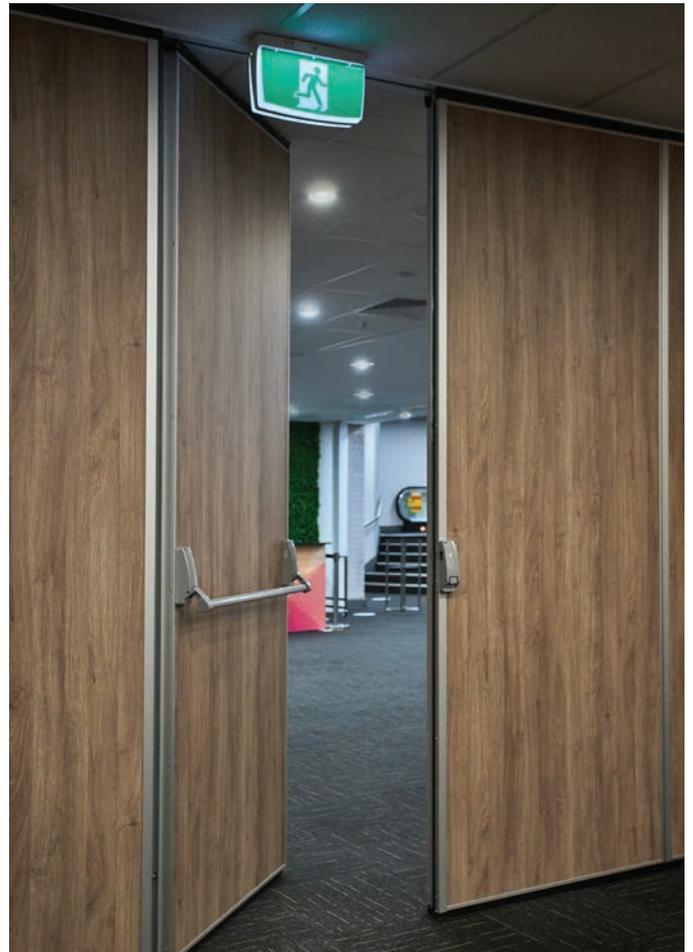


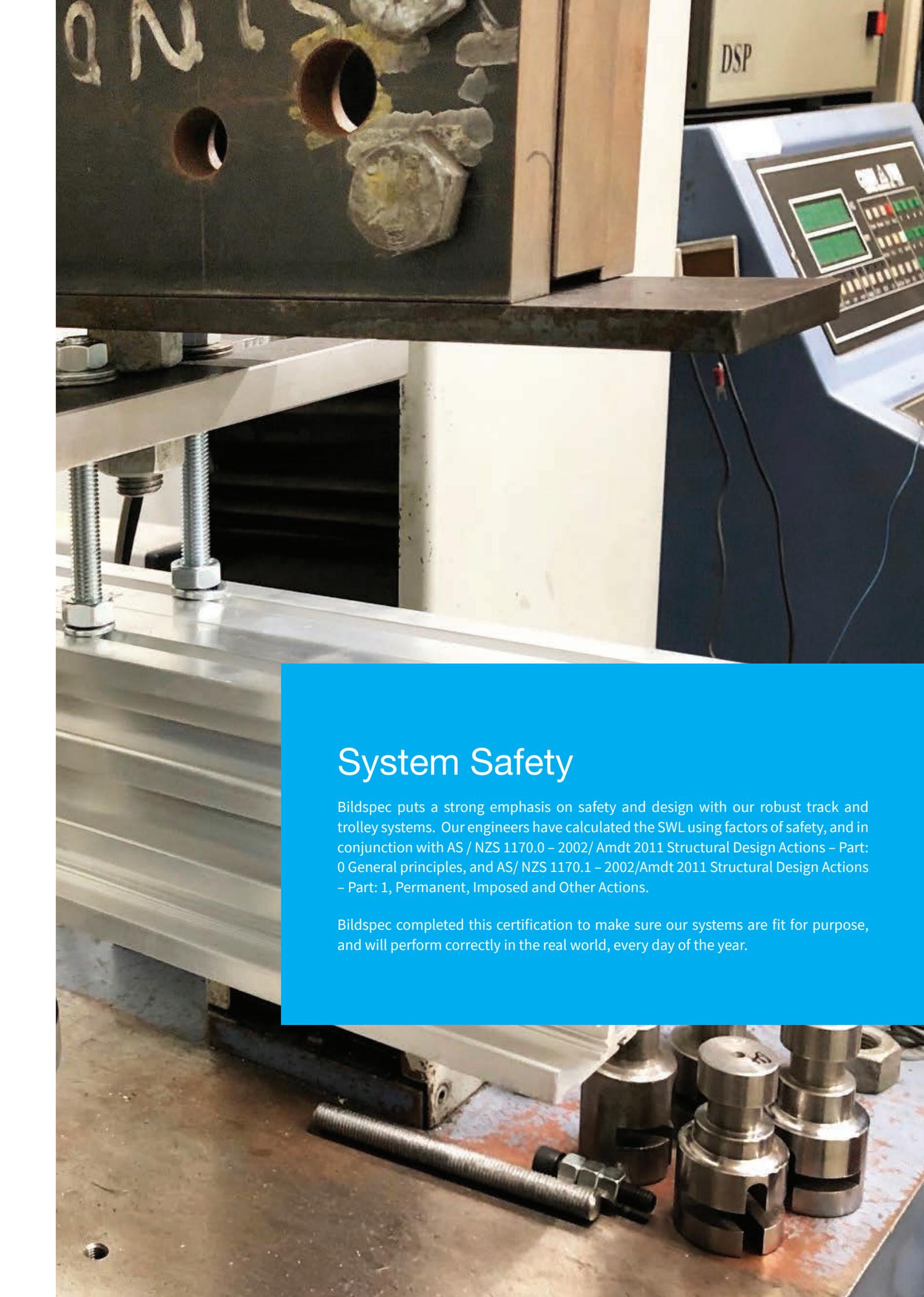
## Step 7. Accessories:

Our Operable Walls can be further accessorised to add a higher level of functionality or to suit your aesthetic goals.

### These accessories include:

- Inset Whiteboards
- Inset Whiteboards with Pen pockets
- Kick rails or skirting
- Chair rails
- Inset veneer or fabric panels
- Vertical and horizontal, inset windows - small and large
- DDA compliant pass door hung off another panel, with or without emergency bars
- DDA compliant "L" inset pass doors for access while the wall is in place, with or without emergency bars
- DDA compliant double "L" inset pass doors with or without emergency bars





## System Safety

Bildspec puts a strong emphasis on safety and design with our robust track and trolley systems. Our engineers have calculated the SWL using factors of safety, and in conjunction with AS / NZS 1170.0 – 2002/ Amdt 2011 Structural Design Actions – Part: 0 General principles, and AS/ NZS 1170.1 – 2002/Amdt 2011 Structural Design Actions – Part: 1, Permanent, Imposed and Other Actions.

Bildspec completed this certification to make sure our systems are fit for purpose, and will perform correctly in the real world, every day of the year.



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### Brisbane/Gold Coast

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