



ARCHITECTURAL ACOUSTIC SYSTEMS

GLYDE—

Beautiful in form. Reliable in function.

OPERABLE WALLS AND ACOUSTIC SLIDING DOORS

GLYDE

Create beautiful, agile spaces, that encourage collaborative learning and working with our innovative range of acoustic products designed to breathe life into your next project.

GLYDE® Acoustic Sliders deliver smooth and safe operation. They meet DDA requirements and have industry leading acoustic performance credentials.

Our sliders can be installed in many configurations, both face and cavity fixed. Acoustic

performances ranging up to Rw40 can be achieved with an accessibility compliant door.

Safety drives the design of GLYDE large format sliders. Built-in dampeners reduce the risk of finger entrapment.

GLYDE Optica Acoustic Operable Walls feature unmatched design, performance, and operation at a friendly price.

Sleek and easy to use, Optica glazed panels feature narrow sightlines, low profile retractable

seal carriers, an expanding jamb option, and DDA compliant doors.

GLYDE provides a resolved product range by combining Optica with GLYDE acoustic sliding doors. Projects are simpler from design to install for architects and builders.

GLYDE systems were designed for easy maintenance without the need for access panels.



FLEXIBLE SOLUTIONS

GLYDE's systems have been designed to ensure the operation is smooth and safe. Our products help create flexible learning and working spaces that meet stringent requirement and produce industry-leading acoustic performance.



EXPERIENCED TEAM

We assembled the most experienced team in the flexible space solutions industry. We recruited top industry experts from Design and Specification through to Sales and Customer Care, so we can provide you with the best quality products and services.



100% AUSTRALIAN

All GLYDE products are 100 per cent designed and manufactured in Australia. Only the highest quality materials are used. Our products will always be beautiful in form and reliable in function.



SERVICE & SUPPORT

Choose GLYDE to easily create multi-purpose spaces with acoustic separation. Talk to us about your project's requirements and we'll guide you to the GLYDE system you want.

Let's build something amazing.



DESIGN CONSULTATION

Good design meets the client's spec. Great design delivers the project's requirements with flair. Consult with our experts for a project built to your vision; one that engages and enhances daily life for the people inhabiting it.

Our team manage bespoke project design requirements that bring your dream to life.



CPD

GLYDE's AIA approved CPD program provides the information and tools you need to design flexible learning and working areas.

Through critical consideration, learn about products that deliver the required flexibility, while meeting requirements of adaptability, DDA compliance, acoustics, and safety



SPECIFICATION & ESTIMATING

You love designing creative, clever buildings. We love deep-diving into the nitty gritty details of products to ensure they are fit for purpose, reliable, and beautiful.

The specification team at GLYDE will help you get what you want with your budget in mind.



PROJECT MANAGEMENT

Our people expertly navigate the complex, moving parts of an installation and deliver on time, every time. GLYDE Project Managers facilitate your project from product manufacture to handover.

Unique in the flexible space solutions industry, GLYDE maintains its own fabrication facilities and powder coating line.



INSTALLATION

GLYDE's established network of certified installers bring their experience in multiple market sectors to your project. The results are better quality products beautifully installed with faster lead times.



SERVICE & MAINTENANCE

Finishing a project is only the beginning. We get that.

To meet real world needs, GLYDE product engineers designed Optica acoustic operable walls and acoustic sliding doors with easy ongoing maintenance as a priority.

Project on page 4: St Thomas the Apostle Church

glydearchitectural.com.au | sales@glydearch.com.au



ACOUSTIC
sliding door systems

SHARE
LIGHT
CONTROL
SOUND

YOUR PERFECT SLIDER

GLYDE Acoustic Sliders meet the needs of future learning while overcoming the limitations of other systems in the market. They are smooth and safe to operate and can be installed in many configurations. No floor tracks required.

Our suite of sliding doors can incorporate various glass types and solid surfaces such as pinboard or whiteboards.

Individual sliders can be installed up to 3m high and 5m wide.* Openings up to 18m wide can be accommodated using multi-stacking systems.

* Please note: for GLYDE sliders larger than this guideline, please talk to a GLYDE representative.

OPTIMAL
ACOUSTICS,
MAXIMUM
FLEXIBILITY

Project: Derinya Primary School

GLYDE Acoustic Sliders make workplace fitouts easy.

Choose GLYDE to reconfigure one large room into two, three, four, or more spaces for meetings or small group collaboration areas. Businesses get adaptable work spaces as the organisation's needs evolve.



ACOUSTIC PERFORMANCE

GLYDE offer certified test reports for sliders in multiple configurations, including face fixed, cavity, dual sliders, and multistacking.



DDA COMPLIANCE

GLYDE acoustic sliders have been designed to ensure operation is smooth and safe. They meet stringent accessibility requirements. Certification available on request.



GLYDE ANTI-SLAM SYSTEM (GASS)

Our patented GASS feature safely slows large sliders prior to reaching the closing jamb, reducing risk of finger entrapment while ensuring doors are easy to operate. GASS can be fitted to both the closing and opening action on our over-sized sliders as an added safety feature.

GLYDE PERFORMS

GLYDE Architectural Acoustic Systems offer a suite of sliders that deliver large spans, acoustic performance, design flexibility, safety, and accessibility.

PRODUCT FEATURE:

Create a 3-way junction without the need for a post to get full flexibility of space configuration.

Project: Rosebud Primary School

ACOUSTIC REQUIREMENTS



- Independent CSIRO test certificates available on request
- Glazed systems tested up to Rw39
- Solid systems tested up to Rw40

TRACK TYPE & FORMAT



- Face Mounted
- Cavity Mounted
- Recess Mounted
- Single Track
- Double Track
- Triple Track
- Multi-stacking

MULTIPLE CONFIGURATIONS



- Single
- Bi-Parting
- T Intersection
- Clear View (No Midrails)
- Mid Rails
- Vertical Mullions
- Decorative Mullions
- Integrated Footbolts

SLIMLINE PANELS



- Minimal storage footprint
- 50mm deep frames
- Internal cavity dimension of 90mm for Single and 155mm for Dual Sliders

TRACK ACCESS



Easily access GLYDE sliders for servicing. The tracks can be fully recessed into the ceiling or bulkheads, as there is no need for ceiling access after they are installed.

100% AUSTRALIAN



All GLYDE products are designed and manufactured in Australia. We use the highest quality materials, ensuring our systems will always be beautiful in form and reliable in function.

ACOUSTIC SLIDERS

TECHNICAL INFORMATION & KEY FEATURES

Key Features

- 50mm Narrow Profile, reducing weight and cavity thickness
- Anti-Slam (brake) System
- Recessed Tracks accessible for servicing without the need for ceiling access post installation
- In-house Powder Coating and Finishing
- Multiple Configurations

Configurations

Max. Panel Height:	3000mm
Max. Single Panel Width:	5000mm
*Panel configurations dependent on:	
<ul style="list-style-type: none"> • Rw rating • Site access • DDA requirements • Weight limitations • Glass limitations 	

Compliance

CSIRO Acoustic Testing	Reports available on request
AS1288 Glazing Standards	
AS1428.1 DDA Compliant	
*Compliance dependent on:	
<ul style="list-style-type: none"> • Rw rating • Panel weights • Handle locations (through glass or leading stile) • Handle type 	

Hardware Options

Standard 60mm backset lock:	varied key/snib configurations available (Master keying compatibility)
Straight handle - square or oval profile:	600mm centres
Offset handle - square or oval profile:	600mm centres
*All handles are DDA compliant	
Consult with the GLYDE Team for alternative hardware requirements	

Acoustic Ratings & Panel Weights

Glazed Slider	
Rw31:	21kg/sqm
Rw34:	29kg/sqm
Rw35:	29kg/sqm
Rw37:	29kg/sqm
Rw39:	34kg/sqm
Board Slider	
Rw30:	20kg/sqm
Rw35:	25kg/sqm
Rw40	30kg/sqm
See Specification Matrix page 16 for options.	
Sqm weights do not include finishes.	

Section Dimensions

Internal Cavity Dimensions:	90mm - Single Slider 155mm - Dual Slider 220mm - Triple Slider
Panel Centres:	65mm
Stile Width:	120mm
Stile Depth:	50mm
Surface Mounted Receiving Jamb:	65 +/- 10mm
Corner Mounted Receiving Jamb:	90 +/- 10mm
Glazed Slider	
Midrails:	75mm (can be used in lieu of applied manifestations)
Vertical Mullion: 75mm	Structural (to accommodate extended widths)
Decorative Mullion: 55mm	Non-Structural (to accommodate handle locations)
Board Slider	
Midrails & Vertical Join:	22mm
Board/Glazed Combination Slider	
Midrails:	33mm



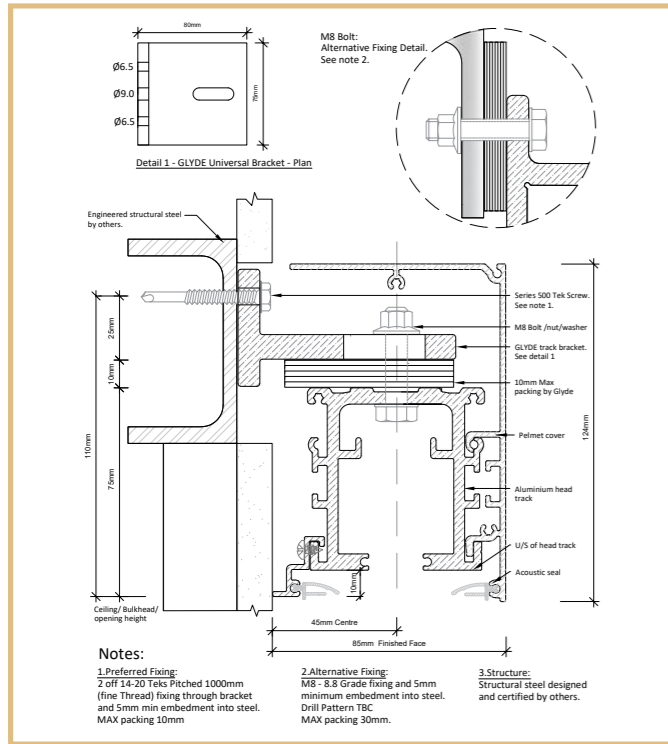
ACOUSTIC sliding door systems

We can offer innovative solutions to questions you may have not even thought of yet.

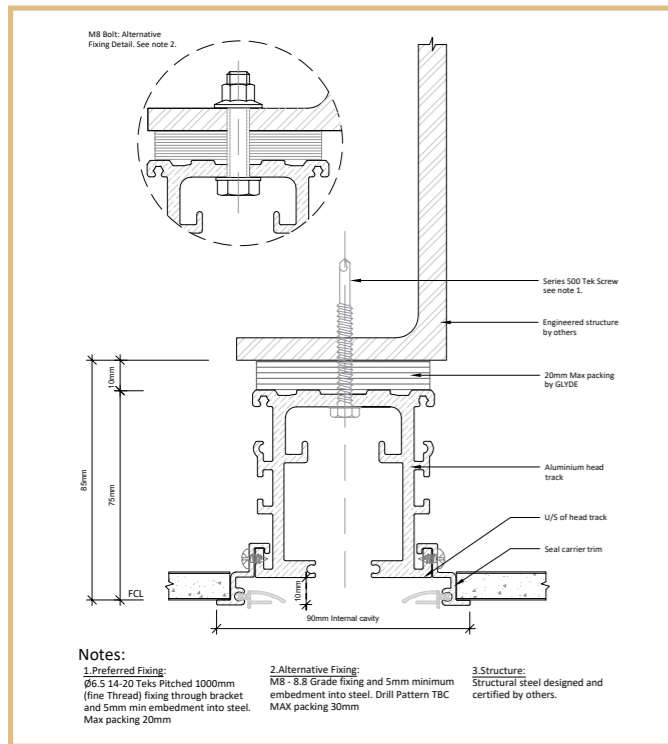
Talk to a GLYDE expert.

ACOUSTIC SLIDERS

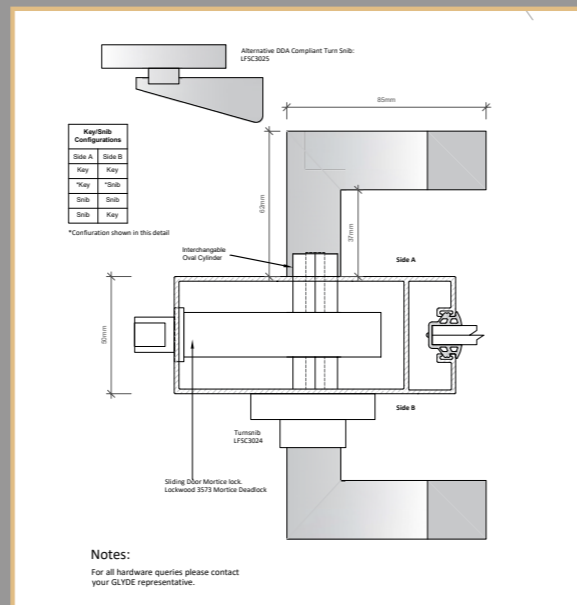
TYPICAL DETAILS



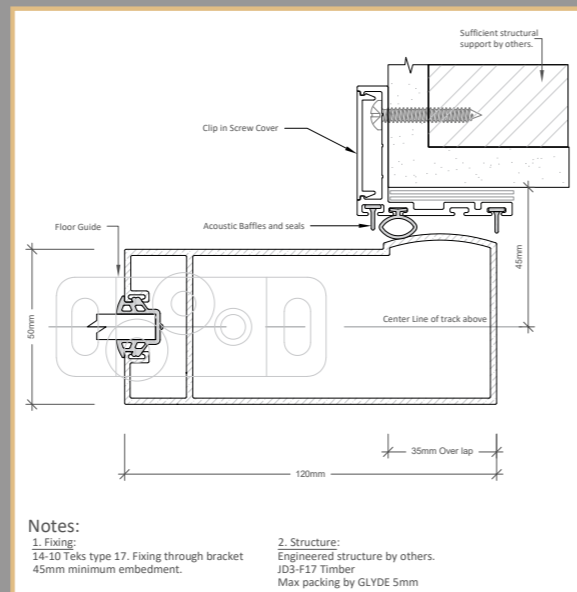
FACE MOUNTED TO STEEL



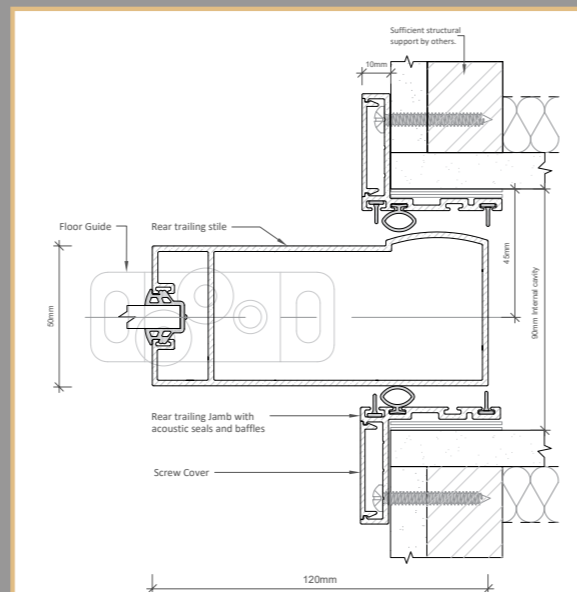
DIRECT TO STEEL



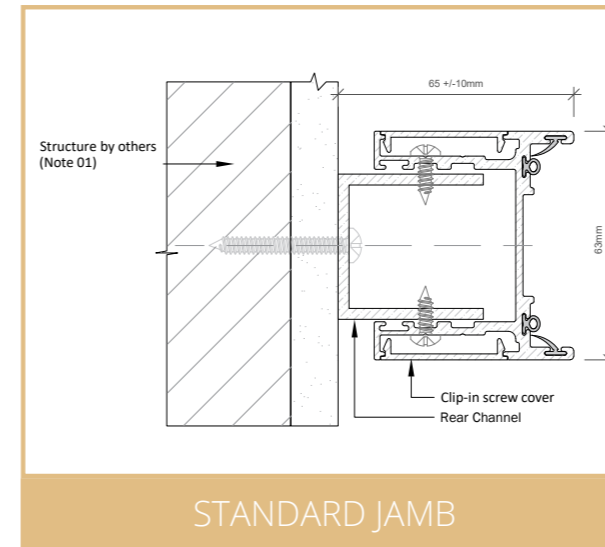
LEAD STILE



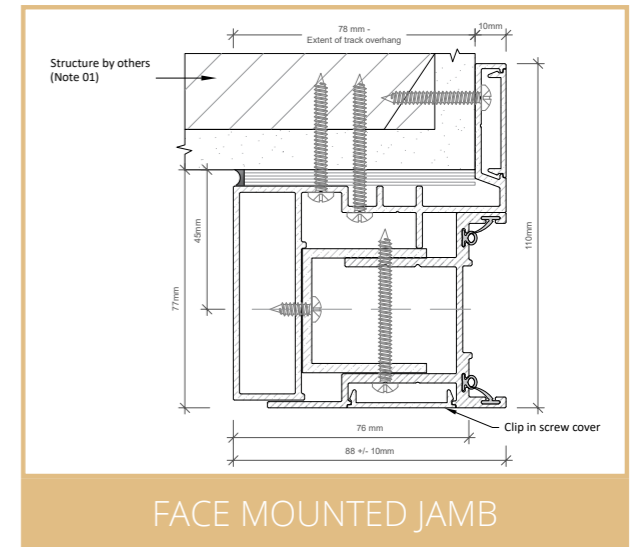
TRAILING STILE - FACE MOUNTED SLIDER



TRAILING STILE - CAVITY

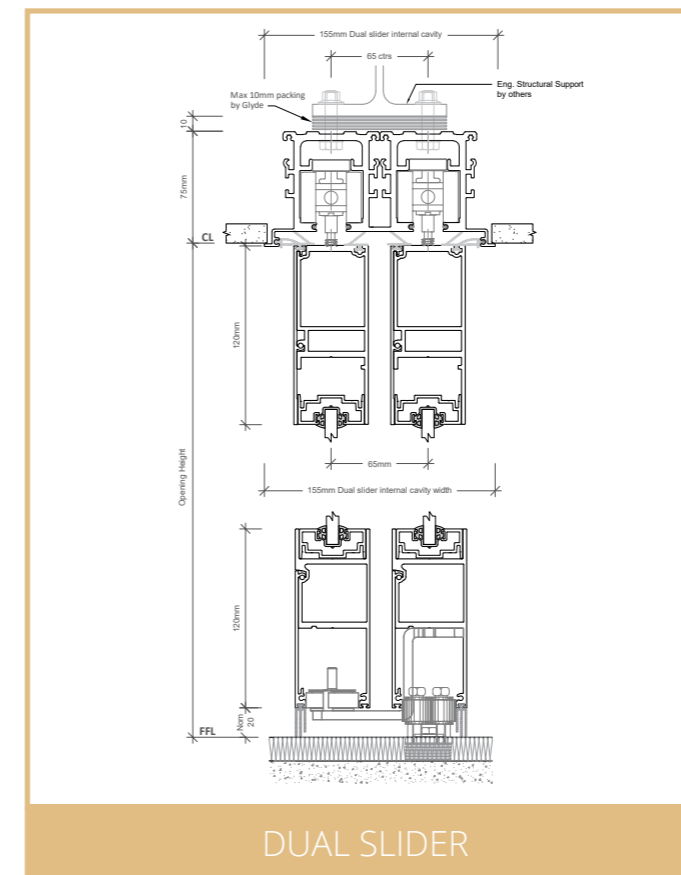


STANDARD JAMB

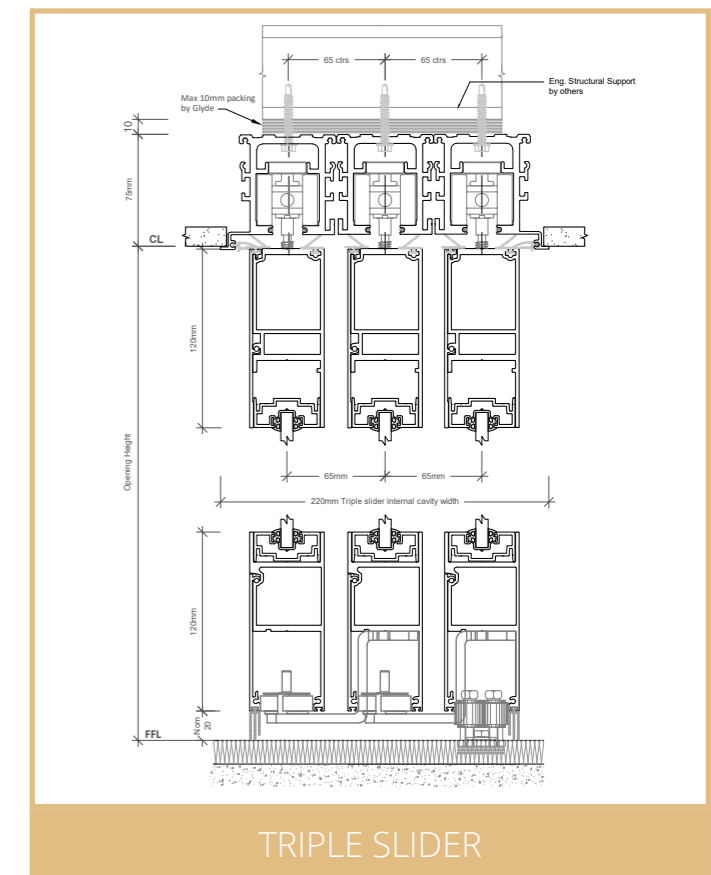


FACE MOUNTED JAMB

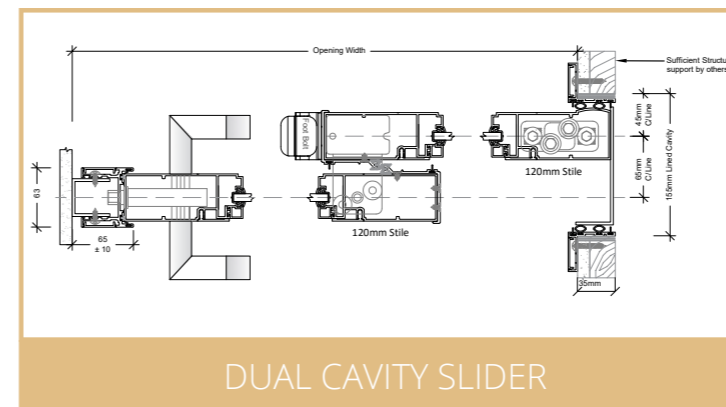
Note 01: Builder to ensure sufficient structure for fixing jambs securely.



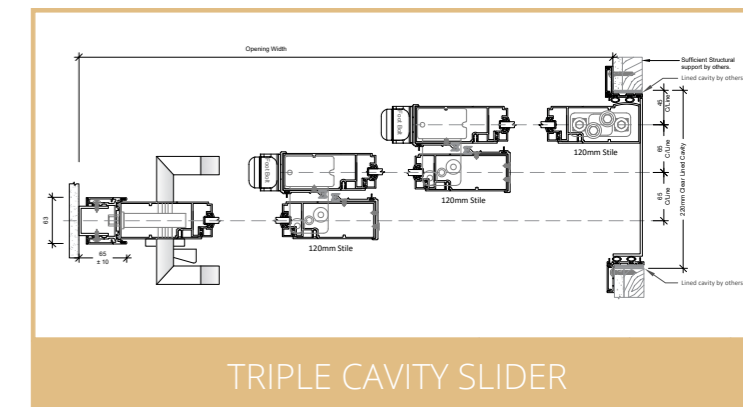
DUAL SLIDER



TRIPLE SLIDER



DUAL CAVITY SLIDER



TRIPLE CAVITY SLIDER

*Note: Recessed track available in fullwidth or stepped configurations.

GLYDE® Sliders Specification Matrix

Select one option from each section

Slider Options		Description	Code
Format	Glazed Sliders	Glass construction	SG50
	Solid Sliders	Board construction	SB50
Track Type	Face Mounted	Track is fixed to the face of a wall or bulkhead	F
	Cavity Mounted	Track runs into a cavity/pocket <i>(constructed by others)</i>	C
	Recess Mounted	Track is partially recessed into the ceiling	R
Track Layout	Single	For single or bi-parting sliders running along a single track line	1
	Dual	Dual slider configuration	2
	Triple	Triple slider configuration	3
	Multi-stacking	Four or more panel slider configuration	4
Configuration	One Way	Opening from one end	O
	Bi-Parting	Opening from the middle <i>*Note on spec if doors are to meet at a 90° angle</i>	B
	T Intersection	Three way intersection <i>(3 sliders meeting to form a T configuration)</i>	T
Glass Construction	Clear View (no mid rails or vertical mullions)	A butt joint will be incorporated into the glass for panels over 1.5m wide	CV
	1 or 2 x Mid Rails	Can be used in place of a manifestation, powder coated to suit / accommodate multiple finishes	1MR or 2MR
	1 or 2 x Vertical Mullions	Panels over 2.6m wide may require vertical mullions if midrails are not suitable / for panels over 3000mm wide	1VM or 2VM
	Decorative Mullion (55mm)	For handle fixing in laminated glass	DM
Board Construction	Mid Rails	For Board/Glass combinations	MR
	Vertical Join	For joining finishes/boards	VJ
Acoustics	Glass: Rw31, Rw34, Rw35, Rw37, Rw39	<i>* Sizes for Rw31 option; are limited by glass area regulations</i> <i>* Acoustic certificate not available for Rw30 board construction</i>	A34
	Solid : Rw30*, Rw35, Rw40		

Example

SG50 R 2 O CV A34

SG50 / R20 / CV / A34

Glazed Slider
Recess Mounted Track
Dual slider configuration
Opening one way
Clear view (no mid rail)
Acoustic rating of Rw34

Note:

- GASS (GLYDE Anti-Slam Systems) are fitted to all slider configurations on the closing operation.
- Also available for opening operation on particular configurations if required.
- DDA Certified Compliant systems - subject to weight limitations.

Please contact a GLYDE Specification Manager to assist with your project requirements.

* Dual & Triple configurations may impact the acoustic performance of the systems

FIXED GLAZING COMPLEMENTARY TO SLIDERS

Exclusively for use with our sliders, GLYDE's 100 Centre Single Glazed fixed glazing suite is an easy choice.



FEATURES:

- 100mm x 44mm frame
- Accepts 6mm to 12.5mm glass
- Centre glazed
- 44mm integrated midrails
- 75mm integrated midrails to match slider profiles
- 80mm surface mounted midrails
- Vertical mullions can be incorporated, providing options for panel configurations in lieu of midrails
- Glass butt joints in lieu of intermediate mullions (subject to glass limits)
- Integrates with GLYDE sliding door systems

LIMITATIONS:

- Nominal 3000mm high frames up to 1500 panel widths

*wider frames can be accommodated with the introduction of vertical mullions



Project: Wollert East Secondary College

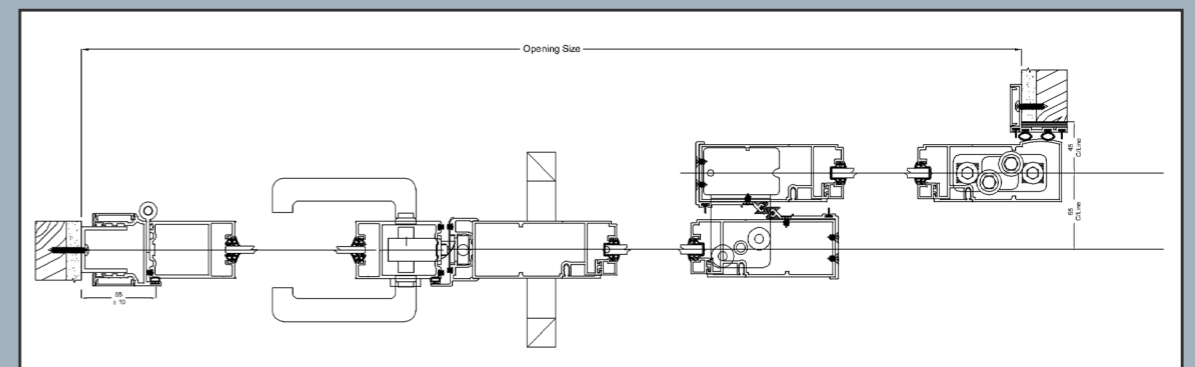
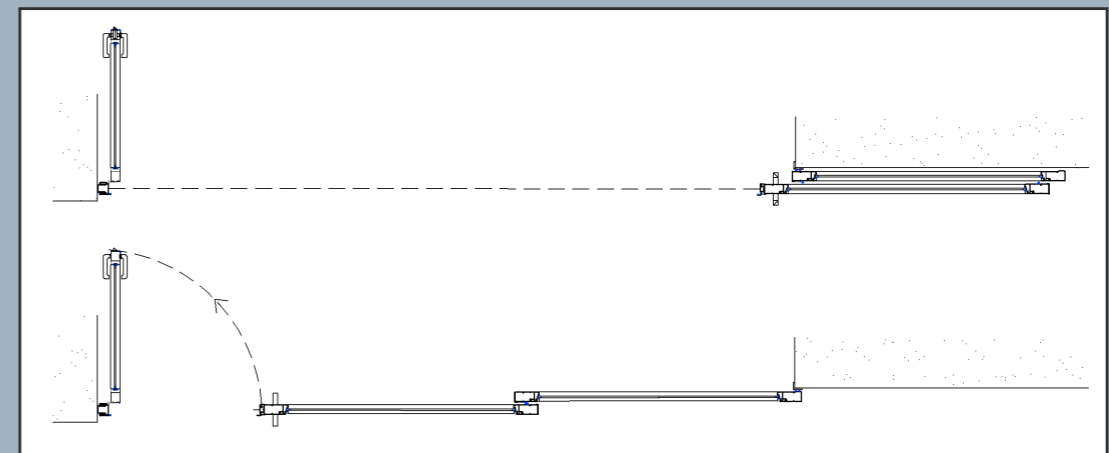
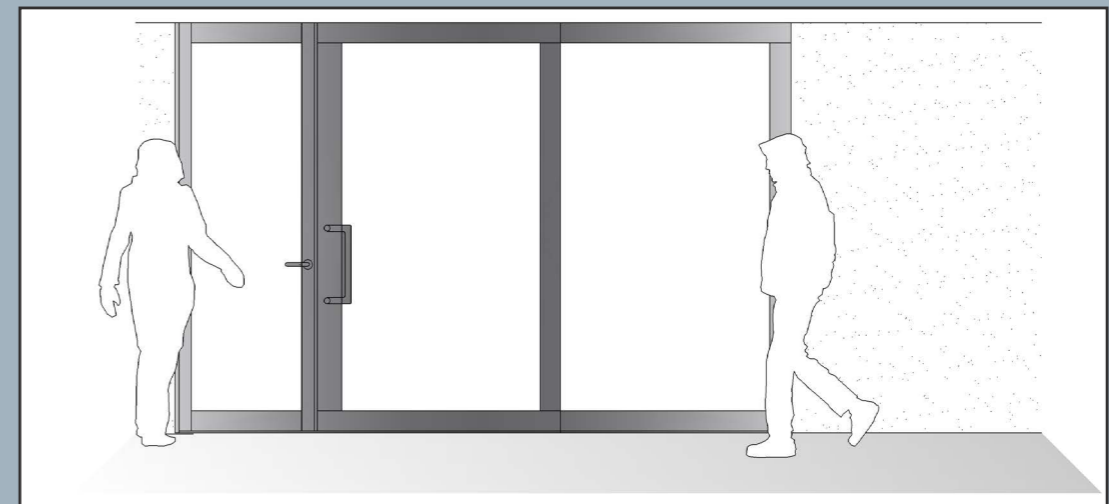
ACOUSTIC SLIDING DOOR SYSTEMS

INNOVATIVE PROJECT SOLUTIONS

GLYDE's in-house Design and Engineering Team will work with you to provide innovative system solutions for your projects.

Using a combination of our *Large Format Glazed Sliders* integrated with a glazed *Jamb Hung Passdoor*, GLYDE allows for conventional, DDA compliant entry and egress with unlimited clear width openings once the multi-stacking sliders are opened. No floor tracks are used. Integrated lock-down footbolts give each sliding panel stability.

The ultimate in easy and efficient flexibility for use of learning space.





OPTICA
operable wall systems

FLEXIBLE
SPACES
VISUAL
CONNECTION



ACOUSTIC OPERABLE WALL SYSTEMS

GLYDE Architectural Acoustic Systems presents Optica, a range of acoustic movable wall systems that feature an unmatched level of design, performance, and operation at a friendly price. Our team of experts will support you in achieving your project requirements with a beautiful and compliant acoustic operable wall.

Sleek and easy to use, glazed Optica panels transfer light while controlling sound. Optica board panels offer practical use features and options to enhance overall interior design by injecting colour or texture.

Optica's smart design features include various acoustic options, midrails to accommodate multiple finishes, narrow sight lines, low profile retractable seal carriers, and accessible doors.

Get glazed and solid panel options within the same wall. Optica board panels offer a select range of finishes such as pinboard, whiteboard, and laminates along with a unique feature of being able to integrate glazed and solid sections within a single panel.

TRUSTED EXPERTS

A brand of Aluminium Industries of Australia (Ai), GLYDE products benefit from Ai's more than 25 years' experience in the development and manufacture of architectural door and window systems in Australia.



Project: Mabel Park State High School

Acoustic performance

Acoustic Rw rating:

GLASS	BOARD
44	45*
45	46
47	47
48	49
49	50
	53**

*acoustic options
**consult GLYDE for higher acoustic requirements

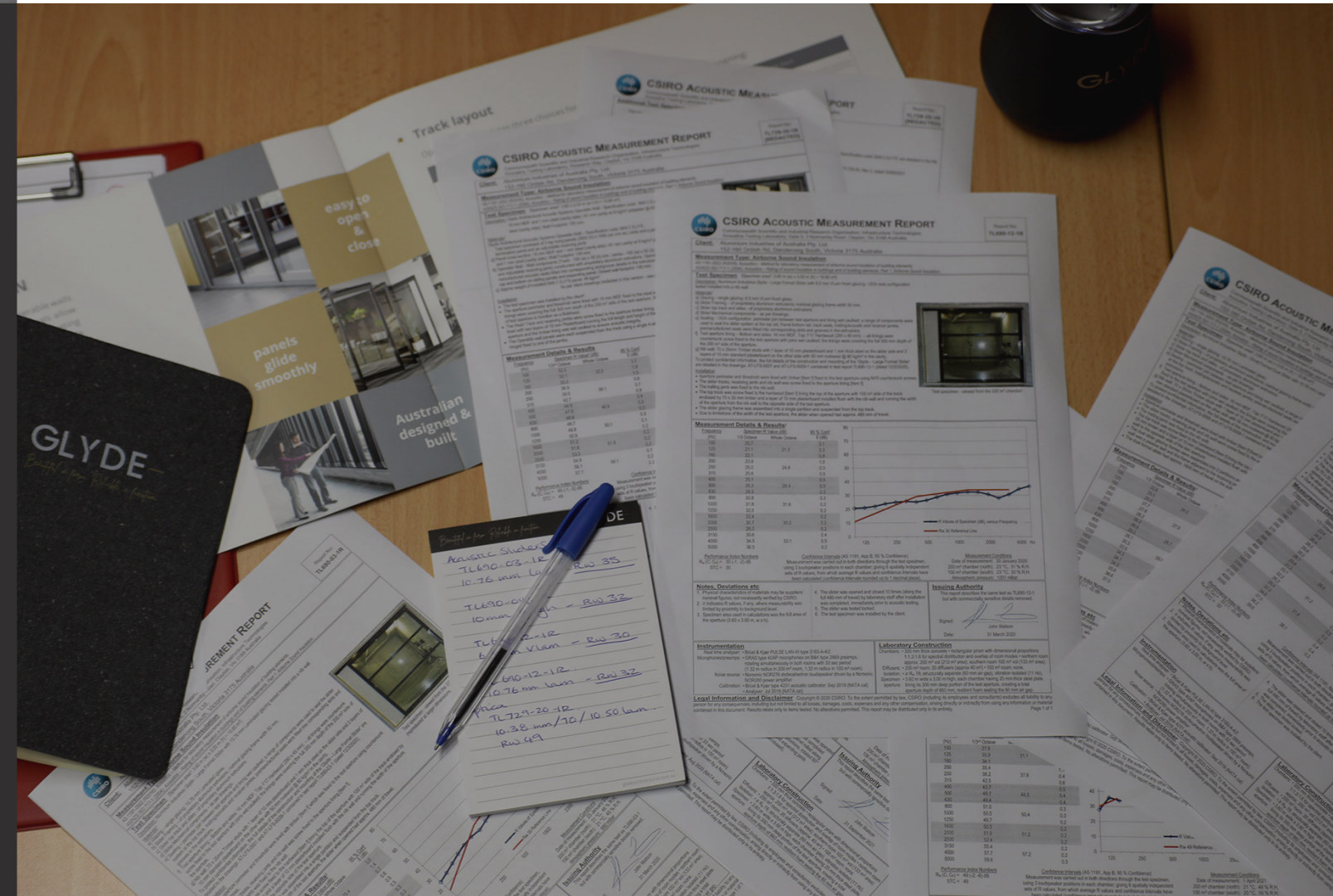
- Experts in acoustics, glass, and aluminium, GLYDE designers engineered Optica for increased performance and functionality.
- Optica systems are fully certified with independent testing completed by CSIRO in 2021, in-line with AS/NZ 150 717.1 (2004).
- Optica systems come in a range of acoustic (Rw) solutions to suit your requirements.

Panel construction

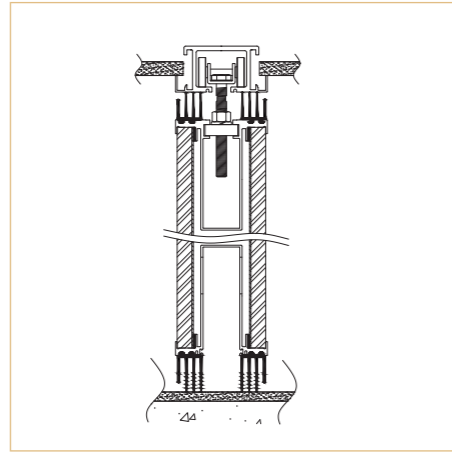
- **GLASS:** Choose glass for maximum visual connection and transfer of light. The recommended glass type depends on a project's acoustic requirements.
- **BOARD:** Panels accommodate select fabrics, pinboard, whiteboard, and laminate finishes, increasing flexibility of use and integration into the space.

PRODUCT FEATURE:

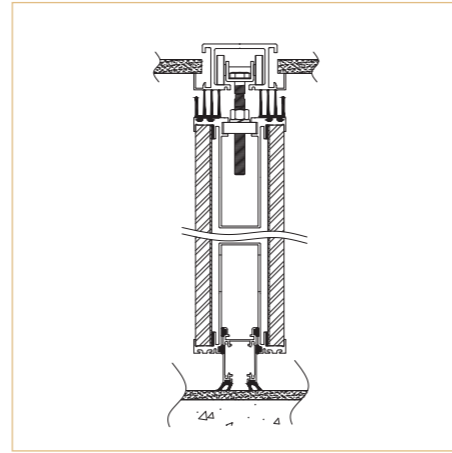
Optica can incorporate combinations of glass and board panels within the same wall.



OPTICA SEAL OPTIONS & CONFIGURATIONS



fixed top & bottom seals



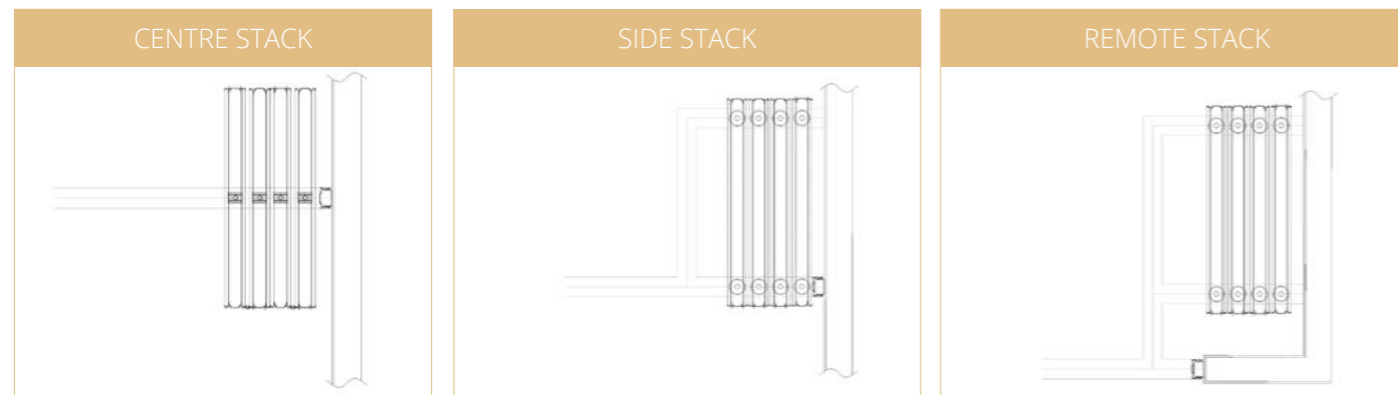
retractable bottom seals, incorporating fixed top seals

OPTICA CLOSURES

DOOR	EXPANDING PANEL	EXPANDING JAMB
full height door, jamb hung, panel hung	expanding mechanism fitted to last panel located at stacking end	expanding mechanism fitted to jamb (used for glass walls if door closure not required)

OPTICA TRACK LAYOUTS

Optica accommodates three choices for stacking of panels to the side when opening:



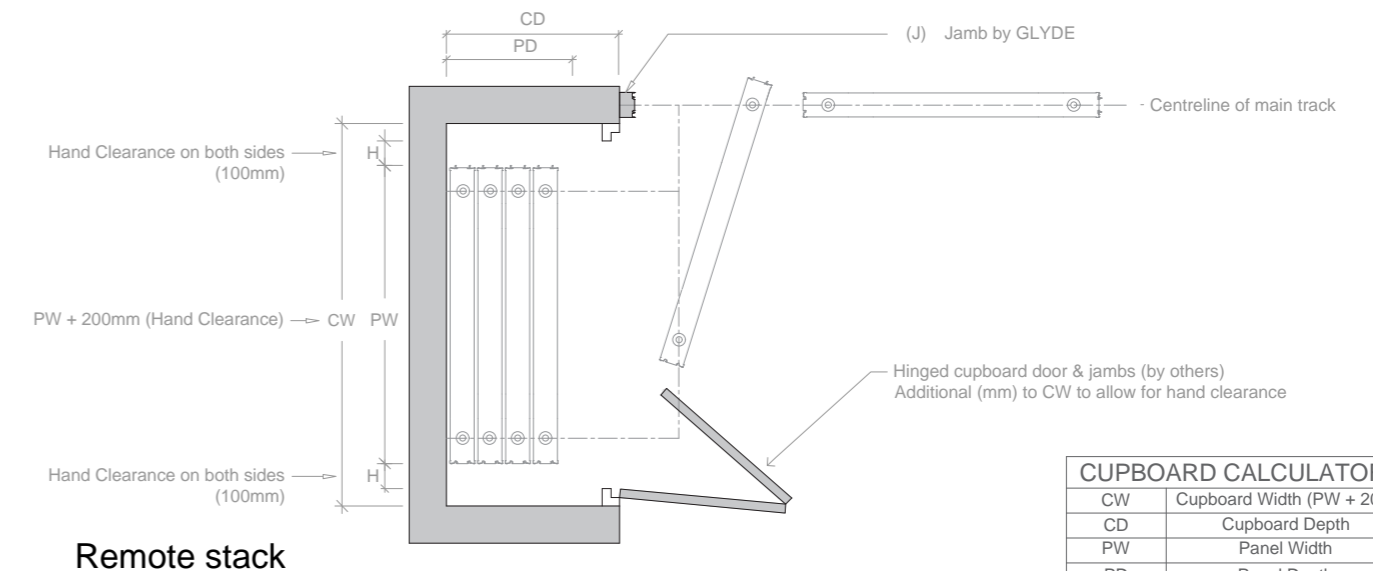
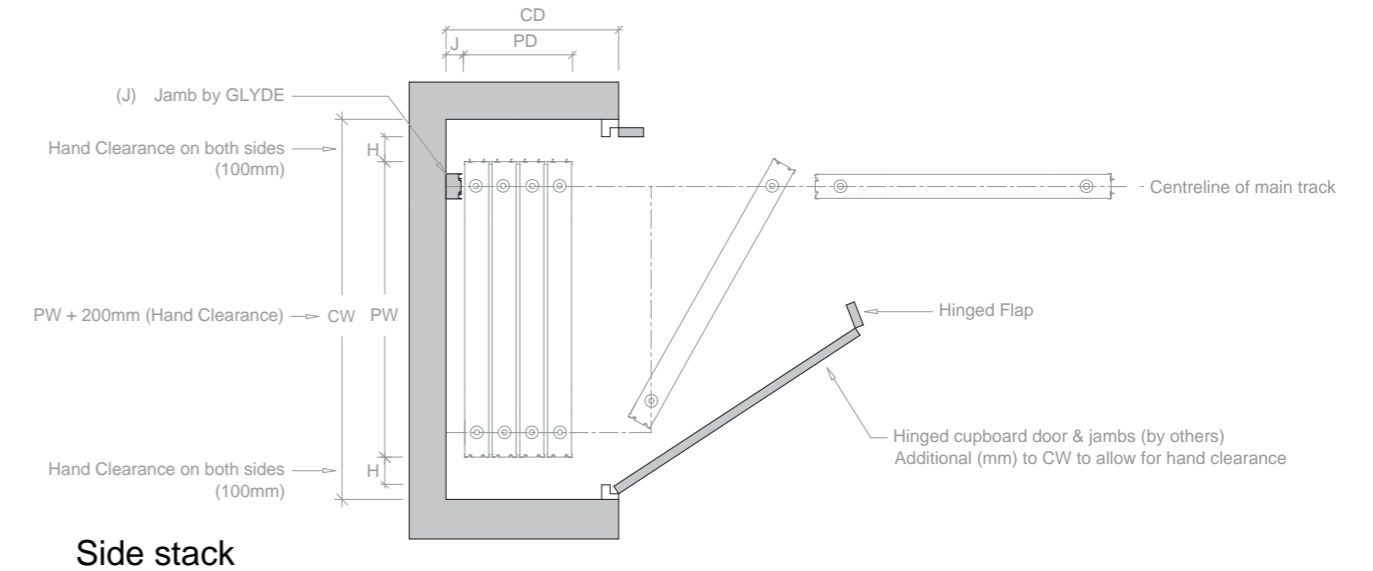
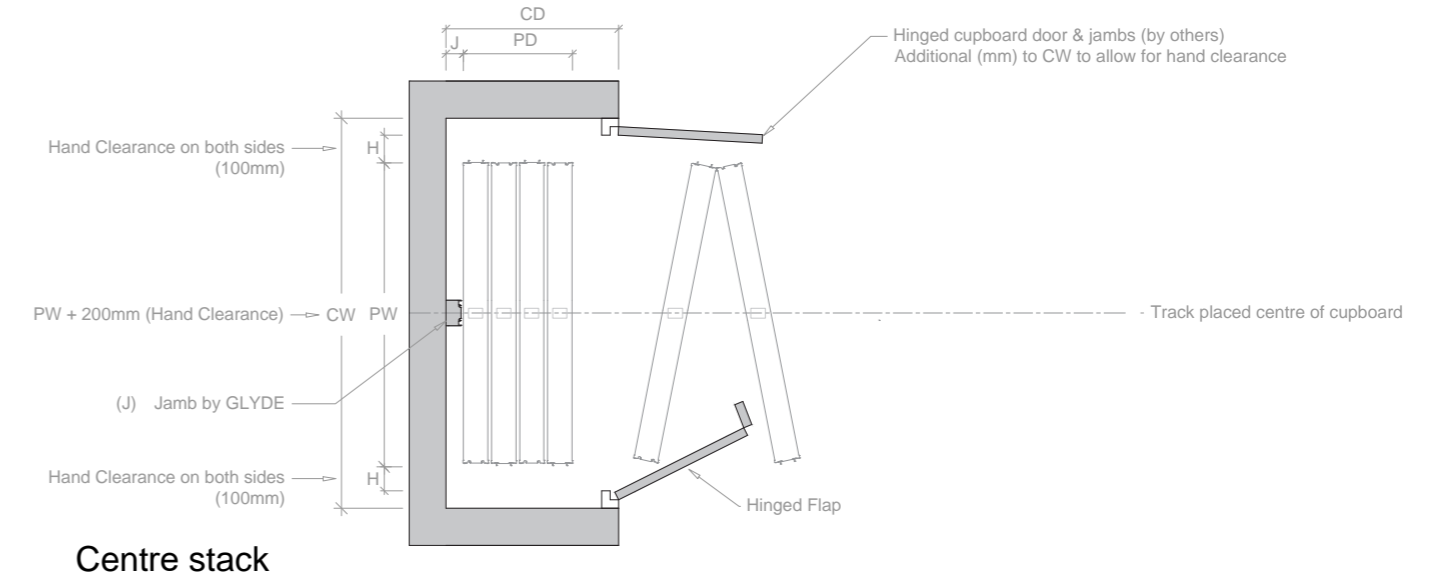
CENTRE STACK
a straight track on a central trolley, hinged in pairs

SIDE STACK
single panels suspended from two carriers at the top corners; one corner will remain on the main track

REMOTE STACK
omnidirectional carriers allow panels to be stored in a cupboard or niche

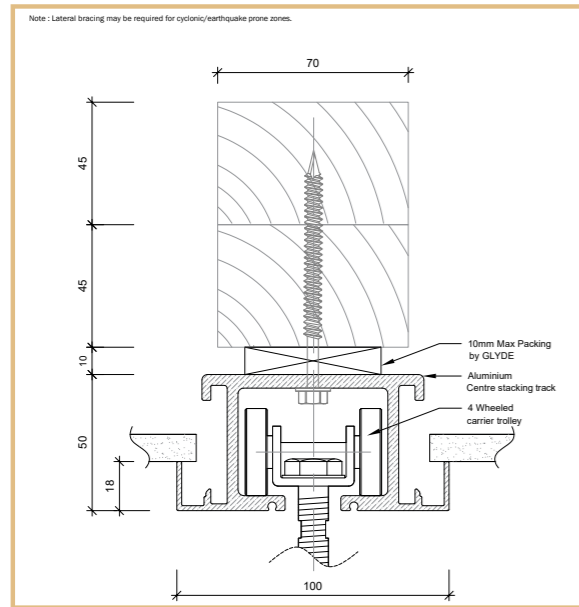
*Please note: for alternative stack arrangements, please contact a GLYDE representative. We will be happy to assist you.

OPTICA CUPBOARD DESIGN

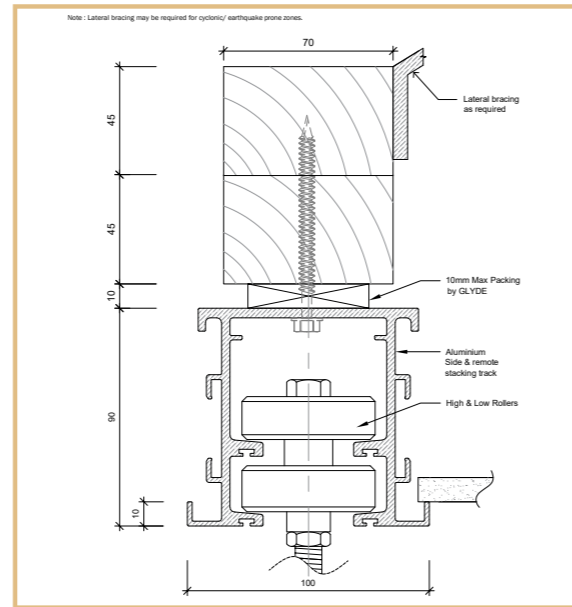


CW	Cupboard Width (PW + 200)
CD	Cupboard Depth
PW	Panel Width
PD	Panel Depth
H	Hand Clearance
J	Jamb (13 - 60mm)
P	Panel Thickness = 100mm

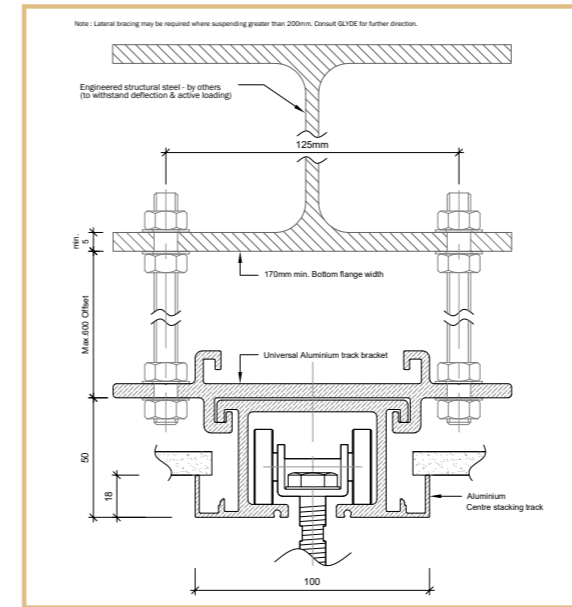
OPTICA TYPICAL FIXING DETAILS



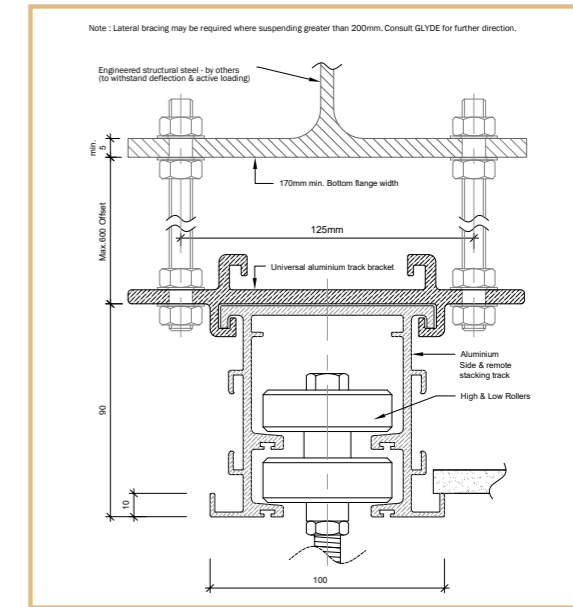
CENTRE STACK - FIXED TO TIMBER



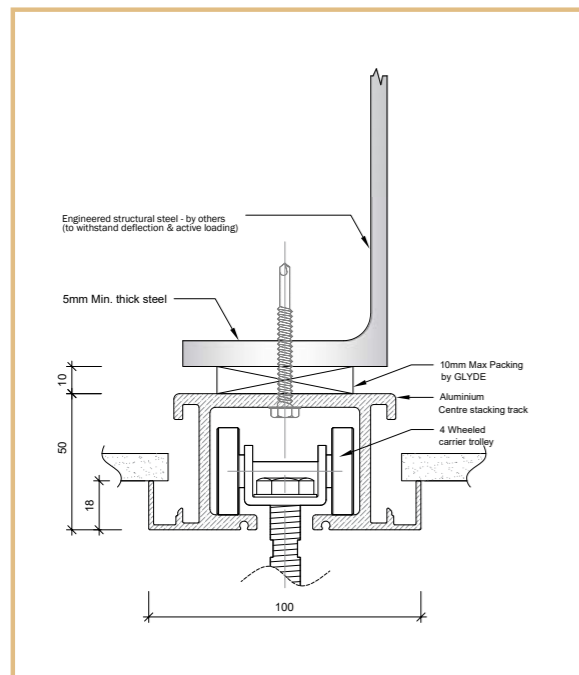
SIDE/REMOTE STACK - FIXED TO TIMBER



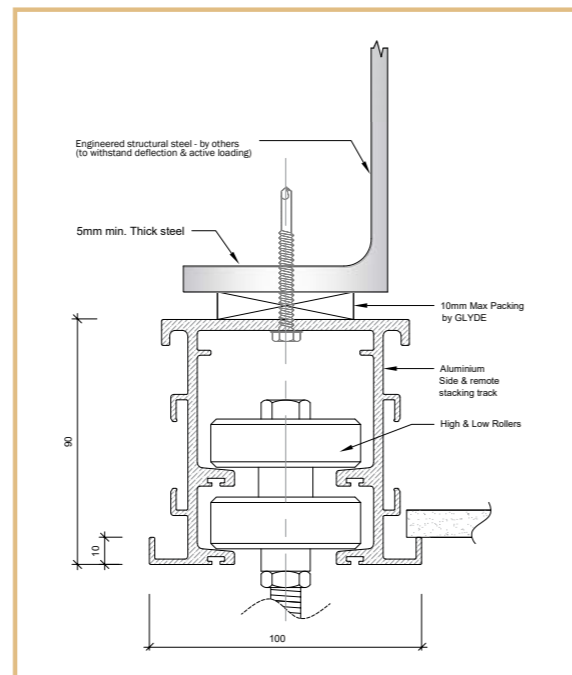
CENTRE STACK - FIXED TO STEEL - SUSPENDED



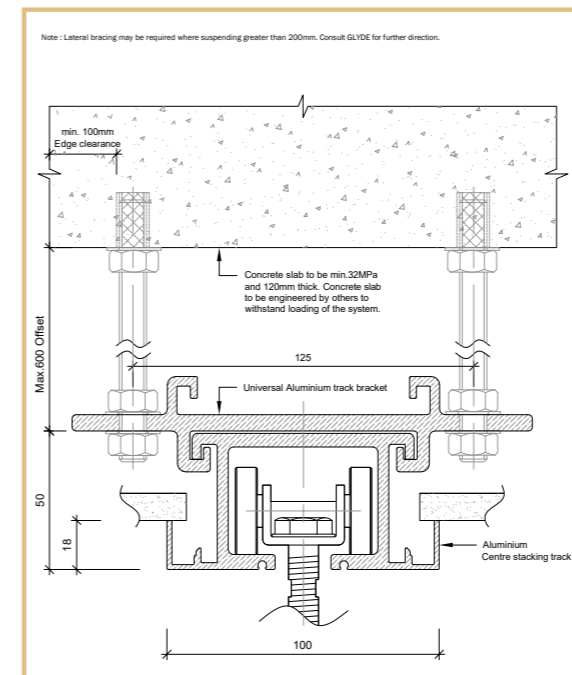
SIDE/REMOTE STACK - FIXED TO STEEL - SUSPENDED



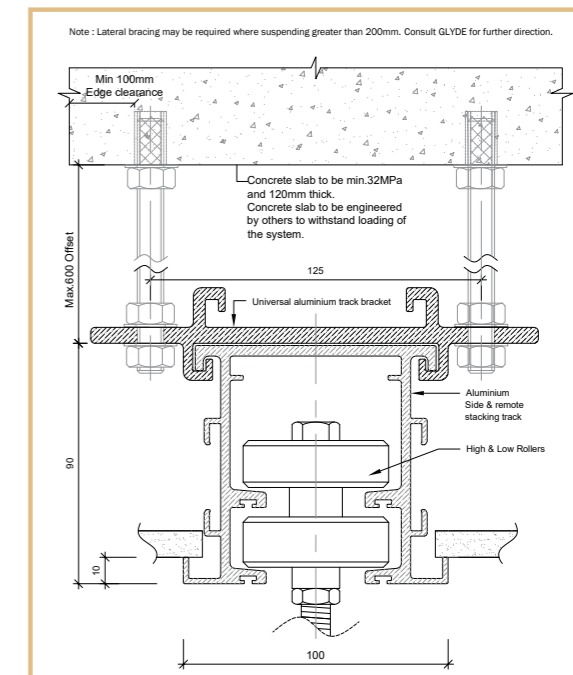
CENTRE STACK - FIXED TO STEEL DIRECT



SIDE/REMOTE STACK - FIXED TO STEEL - DIRECT



CENTRE STACK - FIXED TO CONCRETE - SUSPENDED



SIDE/REMOTE STACK - FIXED TO CONCRETE - SUSPENDED

Visit the Optica page on glydearchitectural.com.au to view these drawing full size.

These drawings highlight a selection of general information. Talk to a GLYDE team member for assistance with specific project specifications.

INTEGRATE ACOUSTIC WALLS & SLIDING DOORS

GLYDE provides a resolved product range by combining Optica acoustic walls with GLYDE acoustic sliding doors. Specifying both performance systems in a project makes it easier to create flexibility and multi-functional spaces.

Architects and builders enjoy a simplified specification, supply, and delivery process.



Project: QUT Kelvin Grove

Compliance & certification



Be confident with Optica. Navigating regulatory guidelines can challenge the most experienced architect. GLYDE's specification team works with you to ensure Optica systems comply with project requirements, including accessibility and acoustic performance.

Reliability



Locally sourced components ensure we deliver Optica in-full, on-time, every time. GLYDE is Australian designed, Australian owned, and Australian built. We manufacture in Melbourne with representation in all Australian states. Our on-site capabilities include extrusion, powder coating, and fabrication.

Accredited CPD program



GLYDE's popular AIA approved CPD program covers concepts and practical tools for:

- Design intent
- DDA compliance
- Acoustic performance
- Measuring acoustic performance

Full customer support



GLYDE team members are experienced, knowledgeable, and available to help. GLYDE offers a high level of technical design and specification support to ensure Optica systems meet the needs of the end user, look great, and perform even better.

OPTICA

TECHNICAL INFORMATION

Track Dimensions

Centre Stack Track:	100mm wide x 50mm high
Multi-directional Side or Remote Track:	100mm wide x 90mm high

Maximum Panel Size

Maximum Panel Height:	3.6m
Board Maximum Panel Width:	1.2m wide

Tolerances

Floor should be level within +/- 5mm across the opening for satisfactory acoustic performance
Jambs to be plumb +/- 5mm
Overhead support to suit the weight of the wall systems with no greater than a 5mm deflection

Glass Construction

Stile Width:	25mm External / 45mm Internal
Top & Bottom Rail:	120mm Internal <i>(please refer to GLYDE's "Typical Section Details")</i>

Board Construction

Stile Width:	12mm
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Closure Options

Full Height Door with Standard Flush Pull Handles or Lever Handles options <i>* Keylock options available</i>
Expanding panel or Expanding jamb

Panel Weights

Glazed Rw Rating	
Rw44	41kg/sqm
Rw45	46kg/sqm
Rw47	46-55kg/sqm
Rw48	55kg/sqm
Rw49	60kg/sqm

Board Rw Rating	
Rw45*	32kg/sqm
Rw46	33kg/sqm
Rw47	35kg/sqm
Rw49	46kg/sqm
Rw50	48kg/sqm
Rw53*	55kg/sqm

**Contact GLYDE for acoustic opinions for Rw45 and Rw53*



GLYDE Optica Specification Matrix

Select one option from each section

	Code	Options	Description
Panel Construction	G	Glass	Glass type based on acoustic requirements
	B	Board	Will accommodate select fabrics, pin board, whiteboard, and laminate finishes
Acoustic Rw Rating	44	Glass Rw44	NOTE: Glazed Acoustic walls provide a visual connection between rooms which reduces some dependency on high acoustic specifications.
	45	Glass Rw45	
	47	Glass Rw47	
	48	Glass Rw48	
	49	Glass Rw49	Solid walls require higher acoustic specifications when compared to the glazed systems.
	45	Board Rw45*	
	46	Board Rw46	As a guideline, we recommend: <ul style="list-style-type: none"> Rw44 - 47 for GLAs in schools and standard Meeting Rooms Rw47 - 50 for Boardroom applications and Music rooms
	47	Board Rw47	
	49	Board Rw49	
	50	Board Rw50	All GLYDE panels are 100mm thick. <i>*Contact GLYDE for acoustic opinions for Rw45 and Rw53</i>
53	Board Rw53*		
Track Layout	C	Centre stack	Contact GLYDE for alternative stack designs outside of the standard configurations.
	S	Side stack	
	R	Remote stack	
Closures	D	Door	Full height door - hinged off jamb or adjacent panel (some limits may apply for this configuration)
	EP	Expanding panel	Expanding mechanism fitted to the last panel
	EJ	Expanding jamb	Expanding mechanism fitted to the jamb (recommended for glass panels if door closure not required)
Seals	FS	Fixed seals	Top and bottom
	RS1	Retractable bottom seals	Incorporating fixed top seals

Example

G 47 C EJ RS1

G47 / C / EJ / RS1 specifies:

1. Glass operable wall
2. Rw47
3. Centre stack
4. Expanding jamb
5. Retractable bottom seals



**DECORATIVE
SCREEN and
AGILE PANEL
systems**

VERSATILE
DESIGN
**FRESH
FEATURE**

FLEXIBILITY

GLYDE Decorative Screens and Agile Panels for education and commercial spaces for performance and privacy.

Decorative Screens and Agile Panels offer a versatile design element, solving problems in commercial spaces while adding a dash of character. They can serve solely as a decorative feature or work as space dividers and privacy element.

GLYDE Decorative Screens are available in perforated metal, whiteboards, pinboards, or select fabric panels. Agile panels incorporate whiteboard or pinboard options.



GLYDE Decorative Screens & Agile Panels	Decorative Screen	Agile Panel
Various track and trolley configurations available		✓
Narrow track design to suit single or multiple linear track systems	✓	
Light weight construction technology	✓	
Ideal for applications such as art galleries with regularly changing or rotating displays		✓
No floor track required		✓
Incorporate retractable base seals used to stabilize the panels		✓



RECONFIGURE

GLYDE Single Glazed Doors offer an elegant cost saving alternative to our Optica operable wall systems.

Our Single Glazed Door systems let users easily reconfigure rooms and spaces, making schools and corporate spaces more practical and flexible. They come in the same stack configurations as our Optica operable wall range, require no floor tracks, and incorporate jamb hung or panel hung door closures.

These systems can accommodate pinboard and whiteboard finishes in addition to glass configurations. GLYDE Single Glazed Door systems deliver an estimated Rw35-38 rating, depending on the glass or finish selected.

GLYDE single glazed door systems are for internal building use only and not engineered for use as exterior doors.

**SINGLE
GLAZED**
door systems

PRACTICAL
PERFORMANCE
**FRIENDLY
PRICE**

GLYDE Single Glazed Systems

A cost effective, physical separation of spaces requiring a moderate level of acoustic performance	✓
Lightweight construction, easy to operate	✓
Various track and trolley configurations available	✓
Accommodates acoustic panels, whiteboards, pinboards, and glass	✓

Project: St Hilda's Essteam Studio

ARCHITECTURAL ACOUSTIC SYSTEMS

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