OPTICA

operable wall systems

GLYDE—

Beautiful in form. Reliable in function.

GLAZED ACOUSTIC OPERABLE WALL SYSTEMS

GLYDE® Architectural Acoustic Systems presents Optica™, a range of acoustic 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 operable glazed acoustic wall.

Sleek and easy to use, Optica transfers light while controlling sound. Optica's smart design features include acoustic performance, auto-drop bottom seals, narrow sight lines, low profile retractable seal carriers, a narrow expander panel or expanding jamb options, and DDA compliant doors. Standard Optica panels are also available in board construction.

Trusted experts

A brand of Aluminium Industries of Australia (Ai), GLYDE products benefit from Ai's more than 20 years' experience in the development and manufacture of architectural door and window systems in Australia.

SHARE LIGHT, CONTROL SOUND

Choose Optica acoustic wall systems to create flexible working or learning spaces that maximise visual connectivity while controlling sound.

Optica allows more natural light into interior spaces. Research indicates natural light in corporate and learning environments can improve productivity, and mental and physical wellbeing, while supporting engagement and collaboration.

Optica systems incorporate several features that deliver performance not previously attainable for projects with a mid-level budget:

- **narrow sight-lines of stiles** allow for greater glass size and visibility
- **industry leading low profile retractable seal carriers of 120mm**
- a **narrow expander** design allows for all the panels in the wall to be glazed

Panel construction

- Glass: For maximum visual connection and transfer of light. Recommended glass type depends on acoustic requirements.
- Board: Panels accommodate pin board, whiteboard, and laminate finishes, increasing flexibility of use and integration into the space.

Acoustic performance

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

Acoustic Rw rating

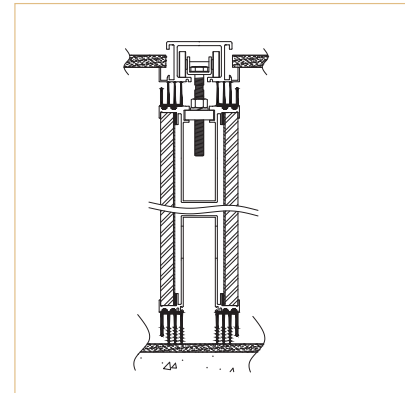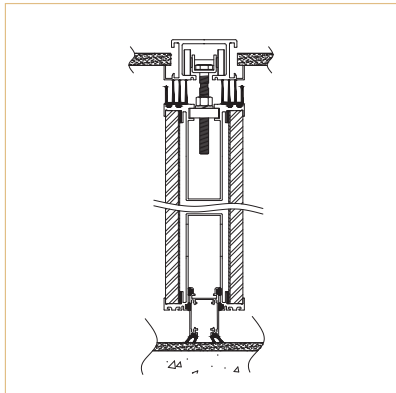| G	B
44	46
45	47
47	49
48	50
49	

auto-drop bottom seals

SMARTER OPERATION

Optica revolutionises glazed acoustic operable walls with our auto-drop bottom seals. These seals allow Optica panels to glide smoothly, while eliminating manual operation required by traditional retractable seals. Optica seals will automatically drop when locating panels into position.
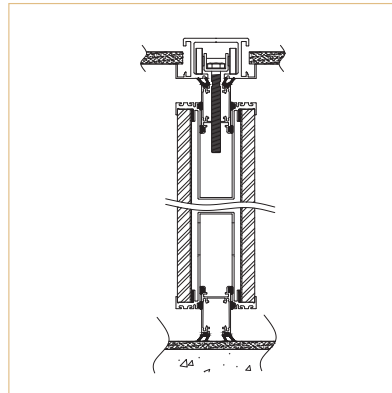
■ Seal options & configurations

fixed top & bottom seals

retractable bottom seals, incorporating fixed top seals

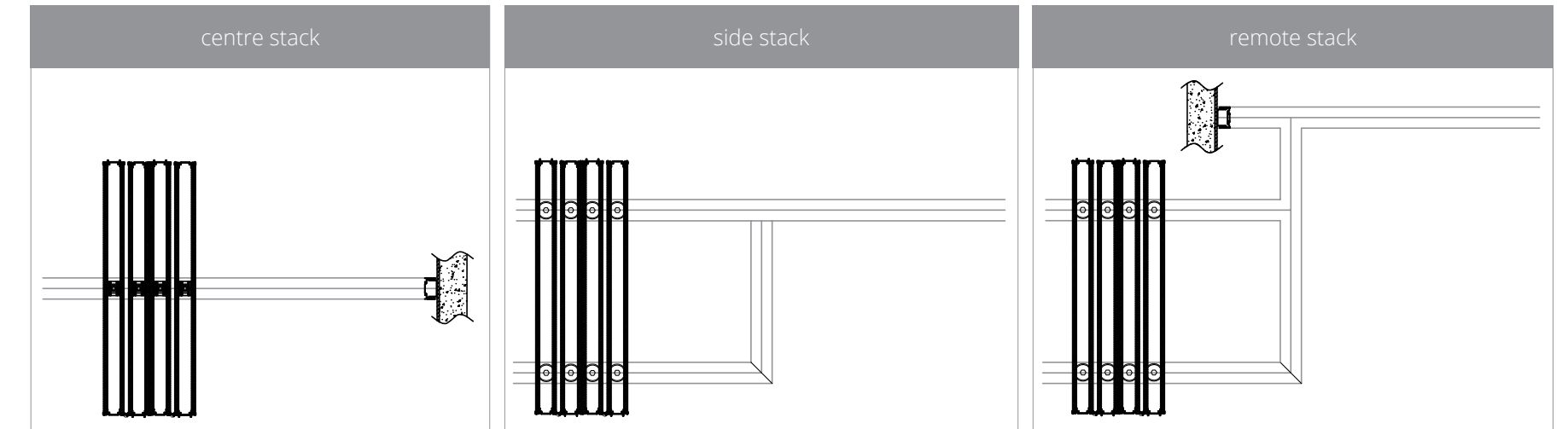retractable top & bottom seals (pending)

easy to open & close

panels glide smoothly

Australian designed & built

■ Track layout

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

centre stack	side stack	remote stack
a straight track on a central trolley, hinged in pairs	panels suspended at the top corners from two carriers	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.

■ Closures

- Door: full height door, jamb hung, panel hung
- Expanding portal: expanding mechanism fitted to last panel located at stacking end
- Expanding jamb: expanding mechanism fitted to jamb
  (used for glass walls if door closure not required)

Compliance

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 DDA accessibility and acoustic performance.

Customer support

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. GLYDE team members are experienced, knowledgeable, and available to help.

Reliability

Using locally sourced components ensures we can deliver Optica in full, on time, every time. GLYDE is Australian designed, Australian owned, and Australian manufactured. Our on-site capabilities include extrusion, powder coating, and fabrication.

Integrate glazed 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 single project creates flexibility and multi-functional spaces.

OPTICA SPECIFICATION MATRIX
Select one option from each section

GLYDE

	Code	Options	Description
Panel Construction	G	Glass	Glass type based on acoustic requirements
	B	Board	Will accommodate pin board, whiteboard, and laminate finishes
Acoustic Rw Rating	44	Glass Rw44	**NOTE:**
	45	Glass Rw45	Glazed Acoustic walls provide a visual connection between rooms which reduces some dependency on high acoustic specifications.
	47	Glass Rw47	
	48	Glass Rw48	Solid walls require higher acoustic specifications when compared to the glazed systems.
	49	Glass Rw49	
	46	Board Rw46	As a guideline, we recommend:
	47	Board Rw47	• Rw44 - 47 for GLAs in schools and standard Meeting Rooms
	49	Board Rw49	• Rw47 - 50 for Boardroom applications and Music rooms
	50	Board Rw50	All GLYDE panels are 100mm thick.
Track Layout	C	Centre stack	
	S	Side stack	Contact GLYDE for alternative stack designs outside of the standard configurations.
	R	Remote stack	
Closures	D	Door	Full height door - hinged off jamb or adjacent panel (some limits may apply for this configuration)
	EP	Expanding portal	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
	RS2	Retractable top & bottom seals	Option pending - please contact GLYDE for timeline of availability

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

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