A seamless wall with endless possibilities.

Folding glass walls have been a signature product of Solar Innovations® for over 15 years. Also known as bi-fold doors or accordion-style doors, folding glass walls can accommodate any number of panels and configurations. These systems offer a flexible and customizable opening that can be incorporated into any residential or commercial project including covered patios, living rooms, decks, enclosed porches, and pool houses. Swing doors can be integrated into the folding glass walls, allowing the user to easily enter and exit a room without opening all of the panels. The endless possibilities—including custom color finishes, custom hardware, and highest impact rating—make folding glass walls the perfect opening for any application.

**FEATURES**

**PANELS:**
- Top or bottom load
- In-fold or out-fold operation
- Endless configurations possible
- LEED friendly system including recycled content
- Designed and manufactured in the U.S.A.

**HARDWARE:**
- Custom manufactured operable hardware
- Panic hardware and closer options available
- Roller assemblies designed to minimize and simplify panel maintenance
- Zero-maintenance extruded aluminum hinges with stainless steel pins
- Multiple hardware styles and finishes
- Multiple sill designs, including ADA compliant ramps

**GLAZING:**
- Designed to accommodate almost any glazing infill including panels, glass, acrylic, and polycarbonate from 3/16" to 1⅛"

**OPTIONS**

**FINISHES:**
- Standard finishes:
  - AAMA 2603: Bronze, White
  - AAMA 611 Class I Anodized: Clear, Dark Bronze
- Designer finishes:
  - AAMA 2603: Hartford Green, Black Natural Clay, Sandstone
- Custom finishes:
  - Powder coat finish: AAMA 2604 - 2605
  - Fluoropolymer (50% or 70%): AAMA 2604 - 2605
  - Wood veneer, metal cladding, and foiling options
  - Dual color or dual finish options

**ACCESSORIES:**
- Matching fixed transoms & sidelites
- Integrated options:
  - Swing doors - single or double
  - Dutch doors - single or double
  - Pet doors
- Screen options: folding, sliding, retractable
- Factory installed sill drain tubes, if required
- Mullions, decorative muntins, simulated divided lites (SDLs), interior and exterior grids
A: Handles

STANDARD OPTIONS

Finish Options
- Matte Black
- White
- Satin Nickel*

ALUMINUM - INLAND APPLICATIONS

Finish Options
- Black
- White
- Satin Chrome

BRASS - INLAND APPLICATIONS

- Satin Chrome
- Polished Chrome
- Polished Brass
- Antique Brass
- Dark Bronze
- Pewter
- White
- Black

SOLID BRASS - COASTAL APPLICATIONS*

- Polished Chrome*
- Oil Rubbed Brass
- Brushed Chrome*
- Rustic Umber
- White
- Matte Black
- Satin Nickel*
- Brass*
- Antique Nickel*

*Coastal applications are only available with select finish options.

Additional handle styles, colors, and back plate options available upon request. Non-standard handle options may increase lead times and/or cost. All handles available with thumbturn interior lock with lever exterior, lever interior and exterior, and thumbturn interior lock with keyed exterior options.
**B: Pull Hardware**

- Recessed Pull (In-Fold)
- Wire Pull Hinge (Out-Fold)
- Low Profile Handle
- Semi-Concealed Hinge
- Surface Mount Hinge

**Pull Hardware, Hinge, and Lock Finish Options**

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<thead>
<tr>
<th>Finish Options</th>
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<tbody>
<tr>
<td>Si White</td>
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<td>Si Bronze</td>
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<tr>
<td>Class I Clear Anodized</td>
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<td>Dark Bronze Anodized</td>
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Custom color options are also available.

**C: Hinges**

- D Series 7414 Door Closer
- D Series T593 Door Closer
- C Series PR82 Door Closer
- D Series BTS80 Floor Closer
- R Series H28S Floor Closer

**D: Locks**

- Two Point Locking Handle
- Two Point Keyed Lock
- Thumb Turn Lock
- Standard Flush Bolt

**Closer, Catch, & Limiter**

- Door Closer Finishes: Aluminum Painted, Bronze, Black

**Commercial Panic Hardware Options**

- Exterior Entry Trim SQUARE
- Mortise Panic
- Impact Panic
- Push/Pull
- Push Only
- Wire Pulls

**Passive Hardware Sets**

- Square Commercial
- Toronto

**CONFIGURATIONS**

- WP = Wall Panel
- SD = Single Door
- DD = Double Door
- DA = Door Adapter
- FJ = Floating Jamb

Custom configurations available upon request.

Please Note: All hardware is subject to vendor availability. Custom finishes may be available upon request at additional lead time and/or cost. Solar Innovations reserves the right to discontinue any hardware option at any time. Please be sure to visit our website for additional product information: www.solarinnovations.com
GRID OPTIONS

To find out more about the features and options of our folding glass walls, visit our website at solarinnovations.com/folding-glass-walls/ or contact one of our sales representatives at 800 618 0669.
G2 FOLDING GLASS WALLS

G2 Thermal System

G2 Aluminum Folding Glass Wall Systems are a great way to open your environment. The frame uses a thermal strut system that separates the interior metal from the exterior metal. By including a thermal break, the temperature transfer between the outdoors and indoors is minimized.

The frames are available in two vertical stile widths: narrow and standard. The widths can be combined over multiple units for a unique style or kept consistent throughout. This flexibility allows multiple sightline and bottom rail configurations that can be retrofitted to match an existing opening or accommodate specific structural requirements.

Panels
- Minimum panel size: 18" wide; smaller panels may be available upon engineering approval
- Panel size up to 3' x 10'; larger panel options may be available depending on application

Glazing
- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from 3⁄16" to 1¼"

Performance
- Water performance up to 15psf, depending on sill choice and configuration
- Structurally tested up to a design pressure of 80psf
- Higher design pressure ratings available with engineering approval
- Test results available upon request

G2 Nonthermal System

G2 Nonthermal Aluminum Folding Glass Wall Systems are ideal for mild climates and indoor uses. This system is popular for conference rooms, interior commercial entryways, classrooms, as well as residential and commercial room dividers. Frames are available in two vertical stile widths: narrow and standard. These can be combined over multiple units for a unique style or kept consistent throughout.

Panels
- Water performance up to 15psf, depending on sill choice and configuration
- Structurally tested up to a design pressure of 80psf
- Higher design pressure ratings available with engineering approval
- Test results available upon request
Top & Bottom Load Sill Options

- Recessed with Ramps
- Recessed Flush*
  - Air: >0.09 cfm/ft²
  - Water: 9.0psf
- Recessed Standard*
  - Air: >0.01 cfm/ft²
  - Water: 15.0psf
- Standard*
  - Air: >0.01 cfm/ft²
  - Water: 15.0psf

Top Load Only Sill Options

- Recessed Flush Hat
- Surface Mount
- ADA Surface Mount
- Thermal ADA Surface Mount

Vertical & Horizontal Rail Options

- Head Detail
- Standard Thermal
- Standard Nonthermal
- Narrow Thermal
- Narrow Nonthermal
- Stretch Rail
- Heavy Thermal
- 10" Bottom Rail
- Narrow Mullion
- Standard Mullion
- Wide Mullion

Mullion Options

(True Divided Lites)

Please note: All mullions offered by Solar Innovations® include thermal break, regardless of the system.

Jamb Details

- Regular G2 Jamb & Frame
- Narrow G2 Jamb & Regular G2 Frame
- Narrow G2 Jamb & Frame

Top and bottom horizontals unable to utilize narrow framing. Options dependent upon desired size and engineering requirements.
G3 FOLDING GLASS WALLS

G3 Thermal System

G3 Aluminum Folding Glass Wall Systems are designed for commercial and residential applications that require higher design pressures. This system has been designed to support larger sizes with ease of operation and offers exceptional air, water, structural, and thermal performance. The frame uses a thermal strut system that separates the interior metal from the exterior metal. By including this thermal break, the temperature transfer between the outdoors and indoors is limited.

Frames are available in three vertical stile widths: standard, narrow, and xtra narrow. You can select a consistent vertical width or mix and match the three stile widths to create a truly unique product. This system was created with similar sightlines to the G2 systems so that the two could be used together if desired. The flexibility of both systems allows multiple sightline and bottom rail configurations that can be retrofitted to match an existing opening or accommodate specific structural requirements.

G3 Nonthermal System

The G3 nonthermal system is ideal for applications that do not require thermal performance, including mild climates and indoor uses—this system is popular for interior entryways and room dividers.

G3 Marine Glazed System

Our G3 Extra Narrow Marine Glazed Folding Glass Wall System uses a patented design to combine vertical marine glazing with horizontal stop glazing in order to create a much narrower vertical frame than conventional stop glazed doors. The G3 Extra Narrow Marine Glazed System is the narrowest four-sided thermally broken glazed bi-fold door in the market.

Panels
- Minimum panel width: 24"; smaller panels may be available based upon engineering
- Panel size up to 3’ x 15’; larger panel options may be available depending on application

Glazing
- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from ¼” to 1½”

Performance
- Water performance up to 12psf, depending on sill choice and configuration
- Structural tested up to a design pressure of 100psf
- Higher water and structural performance available with engineering approval
- Test results available upon request

Performance does not apply to G3 Marine Glazed System.
### Top & Bottom Load Sill Options

- **Recessed Flush**: Air: 0.09 cfm/ft², Water: 9.0psf
- **Recessed Standard**: Air: 0.18 cfm/ft², Water: 12.0psf
- **Recessed with Ramps**: Air: 0.09 cfm/ft², Water: 9.0psf
- **Standard**: Air: 0.18 cfm/ft², Water: 12.0psf

### Top Load Only Sill Options

- **Recessed Flush**: Surface Mount
- **Surface Mount**: ADA Surface Mount
- **Thermal ADA Surface Mount**: Mullion Options (True Divided Lites)

### Vertical & Horizontal Rail Options

- **Head Detail**: Standard Thermal, Standard Nonthermal, Narrow Thermal, Xtra Narrow Thermal (Vertical), Stretch Rail
- **10" Bottom Rail**: Xtra Narrow Mullion, G3 Terrace Door Mullion, G3 Mullion 275

### Jamb Details

- **Standard G3 Jamb & Frame**: Narrow G3 Jamb & Standard G3 Frame
- **Narrow G3 Jamb & Frame**: Narrow G3 Jamb & Frame
- **Xtra Narrow G3 Jamb & Frame**: Xtra Narrow G3 Jamb & Frame

Top and bottom horizontals unable to utilize narrow or xtra narrow framing. Options dependent upon desired size and engineering requirements.

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Please note: All mullions offered by Solar Innovations® include thermal break, regardless of the system.