The ultimate in adaptive design.

Slide and stack glass wall systems feature individual panels that slide along a top hung track and stack to a remote location or into a pocketed space within a home. This system is designed to accommodate a large number of panels that open to provide unobstructed views. Slide and stack glass walls offer an incredibly flexible and customizable opening and can be incorporated into any residential or commercial project, including covered patios, enclosed porches, restaurants, stadiums, storefronts, and pool houses.

FEATURES

PANELS:
- Top load panels
- Unlimited panels and configurations
- LEED friendly system including recycled content
- Designed and manufactured in the U.S.A.

PERFORMANCE:
- Water performance up to 6.0 psf
- Structurally tested up to 40psf
- Thermally enhanced utilizing thermal strut

GLAZING:
- Designed to accommodate almost any glazing infill including panels, glass, acrylic, and polycarbonate

HARDWARE:
- Custom manufactured operable hardware
- Panic hardware and closer options available
- Panel assemblies, including hardware and trolleys, designed to minimize and simplify maintenance
- Multiple sill designs, including ADA compliant ramps
- Factory installed sill drain tubes, if required

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
- Mullions, decorative muntins, simulated divided lites (SDLs), interior and exterior grids
HARDWARE

A: Handles

STANDARD OPTIONS

**Finish Options**

<table>
<thead>
<tr>
<th>Matte Black</th>
<th>White</th>
<th>Satin Nickel*</th>
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**Aluminum - Inland Applications**

Frankfurt | London

**Finish Options**

- Black
- White
- Satin Chrome

**Brass - Inland Applications**

Capri | Venice

**SOLID BRASS - COASTAL APPLICATIONS***

Ródos | Verona | München | New Orleans | Dallas

**Finish Options**

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

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: Hinges

- Semi-Concealed Hinge
- Surface Mount Hinge

C: Locks

- Two Point Locking Handle
- Two Point Keyed Lock
- Thumbturn Lock
- Standard Flush Bolt

Pull Hardware

- Recessed Pull (In-Fold)
- Low Profile Handle

**Closer, Catch, & Limiter**

- D Series 7414 Door Closer
- D Series TS93 Door Closer
- C Series PR82 Door Closer
- D Series BTS80 Floor Closer
- R Series H28S Floor Closer
- Adjustable Door Catch
- Door Limiter

Door Closer Finishes: Aluminum Painted, Bronze, Black

- Adjustable Door Catch & Door Limiter Finishes: Clear Anodized, Dark Bronze Anodized, White Painted, and Bronze Painted.

**Commercial Panic Hardware Options**

- Exterior Entry Trim
  - SQUARE
  - Mortise Panic
  - PUSH/PULL
  - Wire Pulls
  - PUSH ONLY

- Concealed vertical rod available on commercial panic hardware.

**Passive Hardware Sets**

- SQUARE Commercial
- TORONTO

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:
solarinnovations.com

**Retail Applications**

Slide and stack walls are ideal for storefronts; they completely remove the indoor/outdoor barrier for customers during the day and provide efficient security after hours.
FINISH OPTIONS

Stock Finishes

Designer Finishes

Metal Cladding

Powder Coating Solids

Powder Coating Metallics

Faux Wood Finishes

Wood Veneering (Unfinished)

*Stock anodized finishes are available at an additional cost.

Please Note: Depending upon color selection, extra cost and lead times may apply for all finishes other than Solar Innovations® stock standards. Color illustrations are shown as accurate as standard photography and printing processes allow. Final finish selection should be made from a physical sample; please contact Solar Innovations® to receive samples. All product and finish options are subject to vendor availability. Solar Innovations® reserves the right to discontinue any option at any time without notice. Additional options, including custom color matches, are available; contact a Solar Innovations® sales designer for details.

LOW PROFILE GRIDS

Low profile grids can be used on all systems. Colonial, Ogee, and Traditional grids cannot be used on sliding glass doors, windows, or walls. Please visit solarinnovations.com for additional decorative options.

GRID OPTIONS

Arched Grid

Gothic Grid

Double Gothic Grid

Traditional Grid

Cross Grid

English Grid

Low Profile Grid with SDL

Colonial Grid Detail on Monolithic Glass

Interior Muntin Grid Detail on Insulated Glass

Ogee Grid with SDL

Traditional Grid with SDL

1 ¼” Traditional Grid with SDL
CONFIGURATIONS

60° Offset Stack Individual Panels
Stacking wall configurations in excess of 8’ in height should utilize the 60° configurations for ease of one-handed door operation.

90° Offset Stack Individual Panels

90° Center Hung Hinged Pairs

Custom Configurations
Limitless custom configurations
Consult Solar Innovations® Sales & Engineering Departments for custom project-specific designs.

SILL OPTIONS
G2 SLIDE & STACK GLASS WALLS

G2 Thermal System
Thermally Enhanced Aluminum Slide and Stack Glass Wall Systems are a great way to open your environment. The G2 Thermal System offers air, water, structural, and thermal performance in most conditions. 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: narrow, standard, and heavy. You can select a consistent vertical width or mix and match the three stile widths to create a truly unique product. This flexibility allows multiple sightline and bottom rail configurations that can be retrofitted to match an existing opening or accommodate specific structural requirements.

G2 Nonthermal System
G2 Nonthermal Aluminum Slide and Stack Glass Wall Systems are ideal for mild climates and indoor uses. G2 Nonthermal System 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
- 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 1½”

Performance
- Limited air & water performance depending on sill choice and configuration
- Structurally tested up to a design pressure of 40psf
- Test results available upon request
Stadium Applications
Stacking glass walls and windows are ideal for stadium boxes and suites because they allow for an enclosed, thermally-enhanced space during inclement weather and wide, unobstructed views of the action when open.

Vertical & Horizontal Rail Options

Mullion Options
(True Divided Lites)

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

Jamb Details

Standard Jamb & Frame

Narrow Jamb & Frame

Options dependent upon desired size and engineering requirements.
G3 SLIDE & STACK GLASS WALLS

G3 Nonthermal System

G3 Nonthermal Aluminum Slide and Stack Glass Wall Systems are ideal for mild climate and indoor uses where panels will exceed 3’ x 10’. 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.

Frames are available in three vertical stile widths: narrow, standard, and heavy. 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 on one project, 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.

Panels
- Minimum panel width: 24”;
- smaller panels may be available based upon engineering
- Maximum panel size: 4’ x 16’;
- larger panel options may be available depending on application*

Glazing
- Designed to accommodate monolithic and insulated glazing infills from ¼” to 1½”

Performance
- Acoustical performance utilizing G3 Narrow: STC 32 / OITC 28
- Air, water, structural, and thermal testing in progress

*Please note that while fabrication allows for larger sizes, operation may become more difficult in applications over 3’ x 10’.

G3 Thermal System

G3 Thermally Enhanced Aluminum Slide and Stack Glass Wall Systems are designed for commercial and residential applications where panels will exceed 3’ x 10’ and/or higher design pressures are required. For easy operation, this system has been designed to self support at larger sizes. 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: narrow, standard, and heavy. 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 on one project, 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.

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*Please note that while fabrication allows for larger sizes, operation may become more difficult in applications over 3’ x 10’.
Pool & Spa Applications
Stacking glass walls can be used to enclose a pool or spa area, allowing the space to be enjoyed year round.

Vertical & Horizontal Rail Options

Head Detail
Standard Thermal
Standard Nonthermal
Narrow Thermal
Stretch Rail
10” Bottom Rail

Mullion Options
(True Divided Lites)

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

Jamb Details

Standard Jamb & Frame

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

Learn More
To find out more about our Slide & Stack Glass Wall systems, visit our website at http://solarinnovations.com/stacking-glass-walls or contact one of our sales representatives at 800 618 0669.