The ultimate in adaptive design.

Series SI3000S Slide & Stack Glass Wall Systems feature individual panels which slide along a top hung track and stack to a remote location or into a pocketed space within a home or business. This system is designed to accommodate a large number of panels that can be opened for unobstructed views. Slide & Stack Glass Walls offer an incredibly flexible and customizable opening and can be incorporated into residential and commercial projects including covered patios, enclosed porches, restaurants, storefronts, retirement homes, stadiums, hotels, pool houses, and resorts, just to name a few applications.

**FEATURES**

**PANELS**
- Unlimited number of stacking panels
- Endless configurations possible
- Standard finishes
  - AAMA 2603: Bronze, White
  - AAMA 611 Class I Anodized: Clear, Dark Bronze
- Panel assemblies, including hardware and trolleys, designed to minimize and simplify maintenance
- LEED friendly system including recycled content
- Designed and manufactured in the U.S.A.

**HARDWARE**
- Operable hardware custom manufactured by Solar Innovations®
- Panic hardware and closer options available
- Multiple hardware styles and finishes available
- Custom stainless steel helical bearings rated for a maximum capacity of 350 lbs/pair; larger panels accommodated with multiple bearings

**OPTIONS**

- 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
- Matching fixed transoms & sidelites
- Integrated options
  - Swing doors: single or double
  - Dutch doors: single or double
  - Pet doors
- Screen options: folding, sliding, retractable
- Multiple sill designs, including ADA compliant ramps
- Factory installed sill drain tubes, if required
- Mullions, decorative muntins, simulated divided lites (SDLs), interior & exterior grids
- Designed to accommodate almost any glazing infill
- Custom tinted and decorative glazing available
SLIDE & STACK GLASS WALL SYSTEMS

HARDWARE

A: Handles

Coastal Applications

Heavy Corrosion Resistant Finish Options

- Matte Black
- White
- Satin Nickel

Inland Applications

Finish Options

- Black
- White
- Satin Chrome

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 thumb turn interior lock with lever exterior, lever interior and exterior, and thumb turn interior lock with keyed exterior options.

B: Hinges

C: Locks

Closures

For integrated doors

Lock & Hinge Finishes: Clear Anodized, Dark Bronze Anodized, White Painted, and Bronze Painted. Two Point Locking Handle guard available in black or white.

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
Commercial Panic Hardware Options

Passive Hardware Sets

Exterior Entry Trim
SQUARE
Rim Panic
MORTISE

PULL
PUSH

Wire Pulls
Exterior keyed lock and/or interior thumb turn lock available

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.

Straight Wall 60° Parallel Stack
Segmented Radius Wall Parallel Stack
Split Wall 60° Parallel Stack
No Post Corner 60° Parallel Stack

90° Offset Stack Individual Panels

Straight Wall Parallel Stack
Segmented Radius Wall Parallel Stack
Segmented Radius Wall Perpendicular Stack
Corner Wall Perpendicular Stack

90° Center Hung Hinged Pairs

Straight Wall Perpendicular Stack
Offset Wall Perpendicular Stack
Segmented Radius Wall Perpendicular Stack

Custom Configurations

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

60° 90° 60° 90° Stacking
Note: The use of two hands is required with this layout.
Please Note: Depending upon color selection, additional charges and increased lead times may apply. 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 match, are available; contact Solar Innovations® for details.
G2 Thermal System

Thermally Enhanced Aluminum Slide & 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 Non-Thermal System

Non-Thermal Aluminum Slide & Stack Glass Wall Systems are ideal for mild climates and indoor uses. G2 Non-Thermal 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 1 1/4"

Performance
- Water performance up to 6.0 psf, 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 & 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

Standard Jamb & Frame

Narrow Jamb & Frame

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

G3 Non-Thermal System

G3 Non-Thermal Aluminum Slide & Stack Glass Wall Systems are ideal for mild climate and indoor uses where panels will exceed 4’ x 12’ and higher design pressures are required. 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.

G3 Thermal System

G3 Thermally Enhanced Aluminum Slide & Stack Glass Wall Systems are designed for commercial and residential applications where panels will exceed 4’ x 12’ and 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.

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 1/16” to 1 1/2”

Performance

- Acoustical performance utilizing G3 Narrow: STC 32 / OITC 28
- Air, water, structural, and thermal testing in progress
**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 Non-Thermal
- Narrow Thermal
- Stretch Rail
- 10" Bottom Rail
- G3 Terrace Door Mullion
- G3 Mullion 275

---

**Mullion Options**
(1) 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