

SLIDE & STACK GLASS WALL SYSTEMS

SERIES SI3000S



SOLAR INNOVATIONS®
WINDOWS & DOORS

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



Toronto

Heavy Corrosion Resistant Finish Options



Matte Black
White
Satin Nickel

Inland Applications

Not available on G3 units



Allegro

Finish Options



Black
White
Satin Chrome

B: Hinges



Semi-Concealed Hinge

C: Locks



Two Point Locking Handle

Closures

For integrated doors



Door Closer



Adjustable Door Catch



Door Limiter

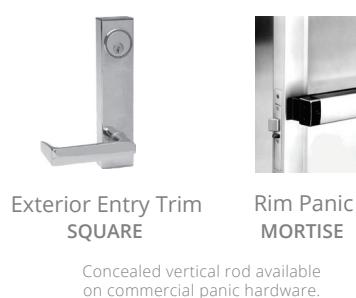
Lock & Hinge Finishes: Clear Anodized, Dark Bronze Anodized, White Painted, and Bronze Painted. Two Point Locking Handle guard available in black or white.

Door Closer Finishes: Aluminum Painted, Bronze, Black

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

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



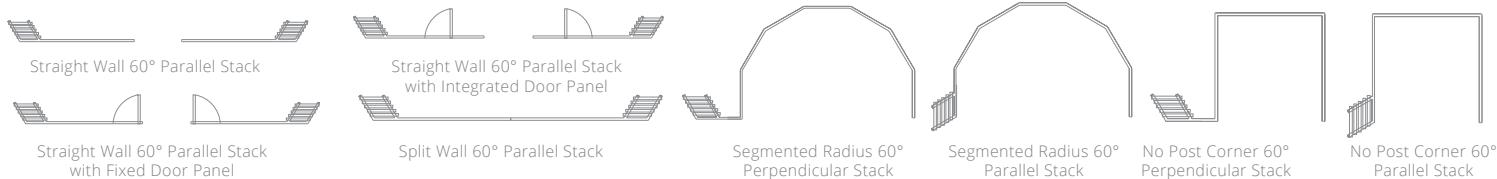
Passive Hardware Sets



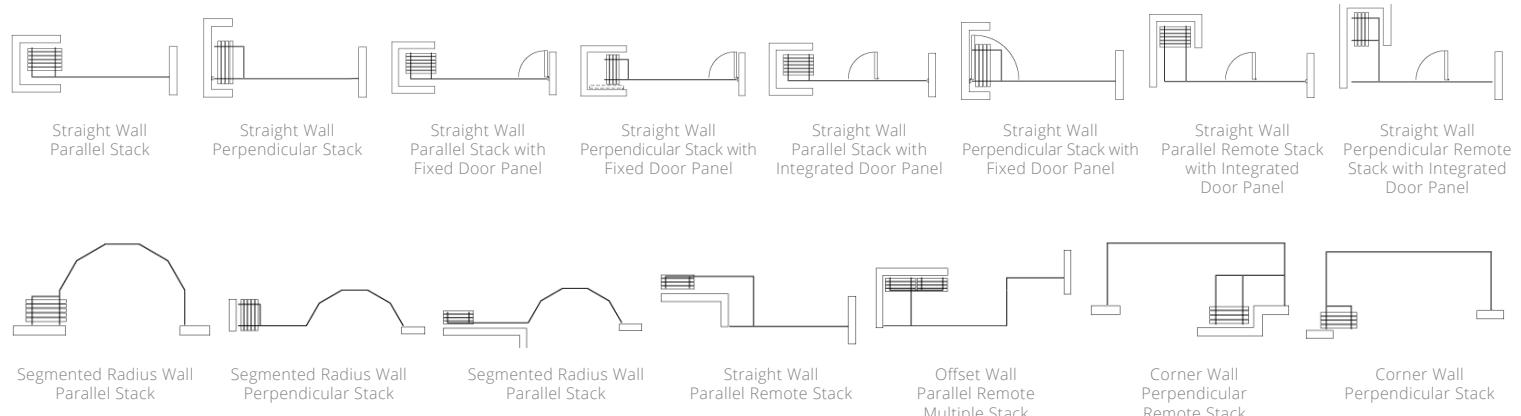
CONFIGURATIONS

60° Offset Stack Individual Panels

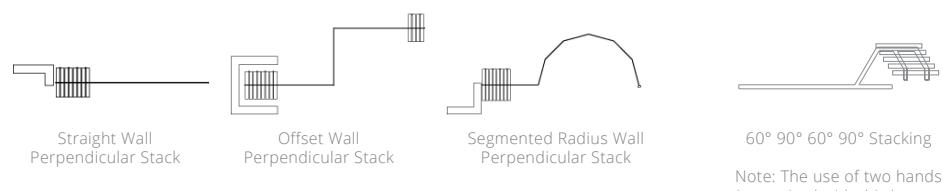
Stacking wall configurations in excess of 8' in height should utilize the 60° configurations for ease of one-handed door operation.



90° Offset Stack Individual Panels



90° Center Hung Hinged Pairs

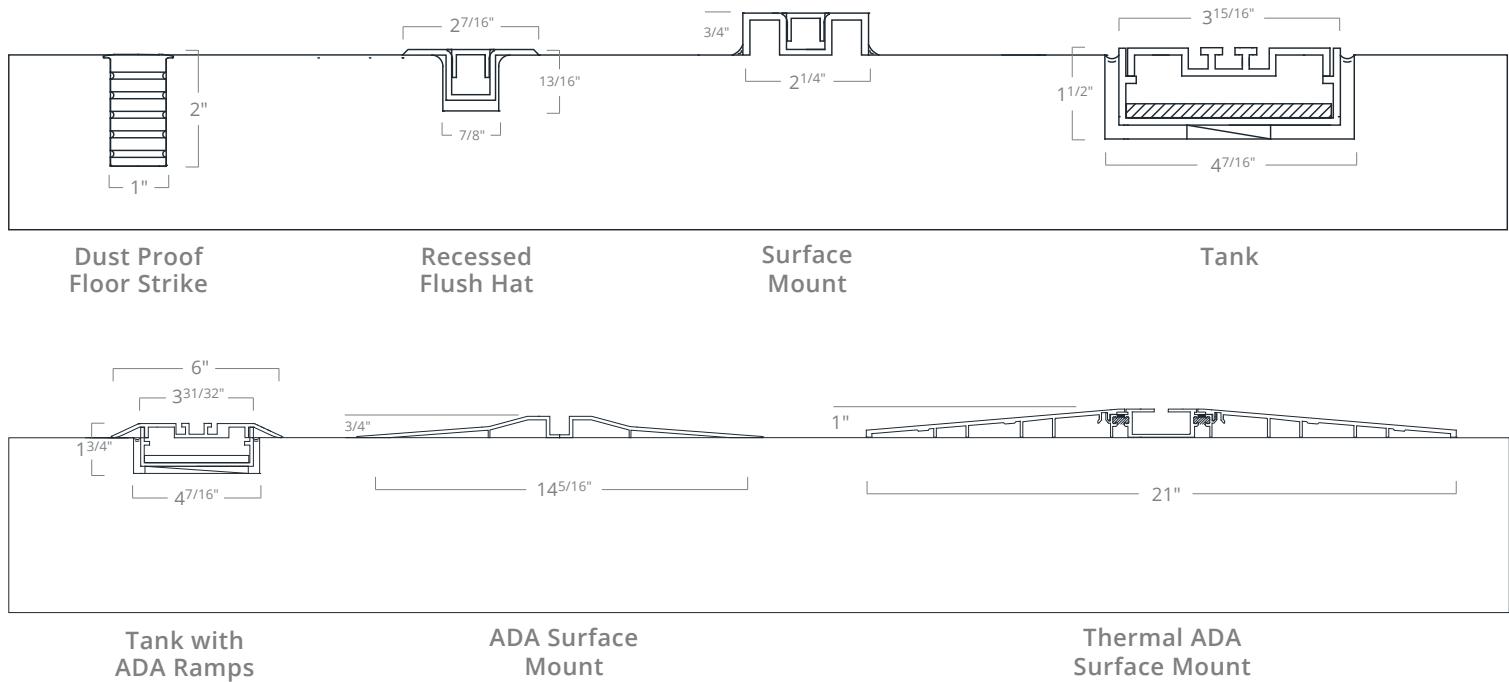


Custom Configurations

Limitless custom configurations

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

Sill Options



FINISH OPTIONS

Stock Finishes



SI White

SI Bronze

Class I Clear Anodized

Dark Bronze Anodized

Designer Finishes



SI Black

SI Sandstone

SI Natural Clay

SI Hartford Green

Metal Cladding



Copper

Lead Coated Copper

304 Stainless Steel #4 Satin Cladding

304 Stainless Steel #8 Mirror Cladding

Faux Wood Finishes



Acacia 1001
DS 733 Textured
DS 403 Smooth

Acacia 1001
DS 716 Textured
DS 402 Smooth

Douglas Fir 1501
DS 716 Textured
DS 402 Smooth

Cherry 1402
DS 716 Textured
DS 402 Smooth

Knotty Pine 2103
DS 716 Textured
DS 402 Smooth

Cherry 1402
DS 733 Textured
DS 403 Smooth

Oak Assi 2501
DS 733 Textured
DS 403 Smooth

Dark Walnut
1802
DS 733 Textured
DS 403 Smooth

Teak 2601
DS 706 Textured
Mahogany Finish

National
Walnut 1806
DS 706 Textured
Mahogany Finish

Wood Veneering (Unfinished)



White Oak

Birch

Mahogany

Southern
Yellow Pine

Northern
White Pine

Red Oak

Spanish Cedar

Western
Red Cedar

Douglas Fir

White Maple

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 SLIDE & STACK GLASS WALLS



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.

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

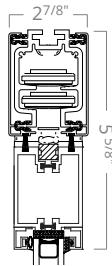


Stadium Applications

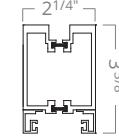
Stacking glass walls and windows are ideal for stadium boxes & suites because they allow for an enclosed, thermally-enhanced space during inclement weather and wide, unobstructed views of the action when open.



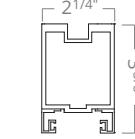
Vertical & Horizontal Rail Options



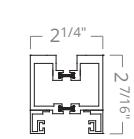
Head
Detail



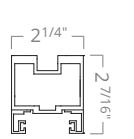
Standard
Thermal



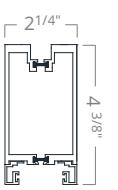
Standard
Non-Thermal



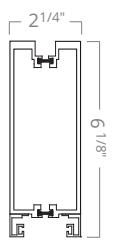
Narrow
Thermal



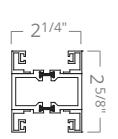
Narrow
Non-Thermal



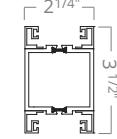
Stretch
Rail



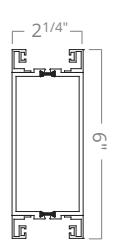
Heavy
Thermal



Narrow
Mullion



Standard
Mullion



Wide
Mullion

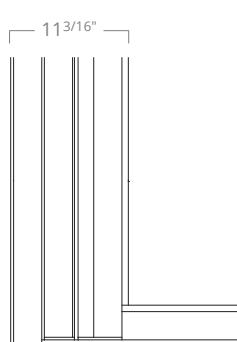
Mullion Options

(True Divided Lites)

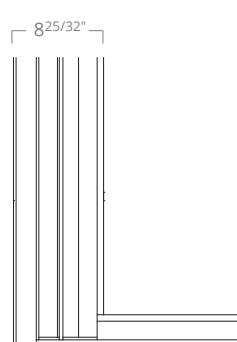
Please note: All mullions offered by Solar Innovations® include thermal break, regardless of the system

Jamb Details

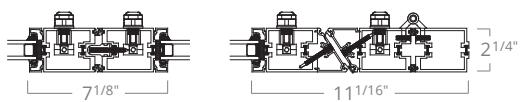
Standard Jamb & Frame



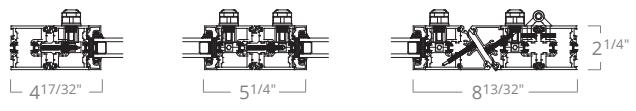
Narrow Jamb & Frame



Standard Jamb & Frame



Narrow Jamb & Frame



Options dependent upon desired size and engineering requirements.

G3 SLIDE & STACK GLASS WALLS



G3 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 1/4" to 1 1/2"

Performance

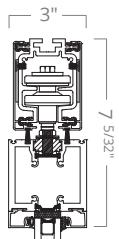
- Acoustical performance utilizing G3 Narrow: STC 32 / OITC 28
- Air, water, structural, and thermal testing in progress



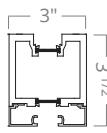
Pool & Spa Applications

Stacking glass walls can be used to enclose a pool or spa area, allowing the space to be enjoyed year round.

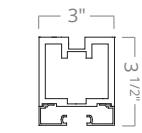
Vertical & Horizontal Rail Options



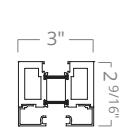
Head
Detail



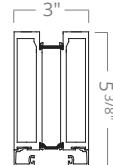
Standard
Thermal



Standard
Non-Thermal



Narrow
Thermal



Stretch
Rail

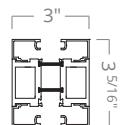


10" Bottom
Rail

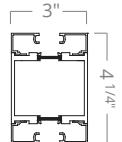
Mullion Options

(True Divided Lites)

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



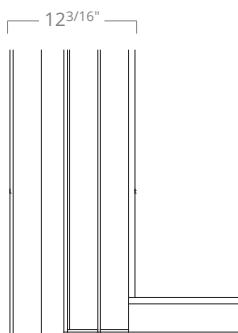
G3 Terrace
Door Mullion



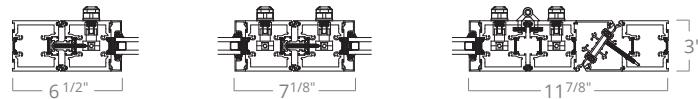
G3 Mullion
275

Jamb Details

Standard Jamb & Frame



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>