

# STRUCTURALLY-GLAZED FOLDING GLASS WALL SYSTEMS



## Maximizing the use of glass with minimal frame exposure

Our Structurally-Glazed Folding Glass Wall System operates just like the standard bifold door system that our customers absolutely love. This system maximizes the use of glass on the exterior and utilizes our G3 Framing System with structural sealant to secure the glass. Standard glass stops are used on the interior faces of the panels.

## FEATURES

### OPERATION:

- Top or bottom load
- In-fold or out-fold operation
- Endless configurations possible
- No corner post setup available
- Center pivot option

### FRAMING:

- Aluminum
- Up to 3' x 10' panels and larger
- Standard, high performance and ADA compliant sills
- Matching sidelites and transoms
- LEED friendly system including recycled content

### HARDWARE:

- Some handle options with engineering approval
- Panic hardware and closer options available
- Roller assemblies designed to minimize and simplify panel maintenance
- Zero-maintenance extruded aluminum hinges with stainless steel pins
- Custom manufactured pulls and locks
- Closers (overhead)

### GLAZING:

- Designed to accommodate 1" glazing infill

### PERFORMANCE:

- Air, water, structural, impact, acoustical and thermally tested options

### FINISHES:

- Standard finishes:
  - AAMA 2603: Black, White, Sandstone, Natural Clay, Bronze and Hartford Green
  - AAMA 611 Class I Anodized: Clear, Dark Bronze
- Designer finishes:
  - AAMA 2604: Black, White, Sandstone, Natural Clay, Bronze and Hartford Green
- Custom finishes:
  - Powder coat finish: AAMA 2604, 2605
  - Fluoropolymer (50% or 70%): AAMA 2604, 2605
  - Faux wood
  - Dual finish — interior/exterior applications

### OPTIONS:

- Framed and cartridge retractable screen options
- Manufacturer-installed sill drain tubes, if required
- Mullions, decorative muntins, simulated divided lites (SDLs), interior and exterior grids



## HARDWARE

### Pull Hardware



**Recessed Pull**  
(In-Fold)

**Extruded Hinge Pull**  
(Out-Fold)

**Low Profile Handle**

### Hinge



**Semi-Concealed Hinge**

### Locks



**Two-Point Locking Handle**



**Two-Point Keyed Locking Handle\***



**Thumb Turn Lock**



**Standard Flush Bolt**

\* Additional cost

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



SI White



SI Bronze



Class I Clear Anodized



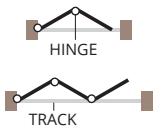
Dark Bronze Anodized

Custom color options are also available upon request.

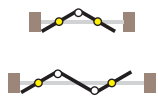
**Please Note:** All hardware is subject to vendor availability. Custom finishes may be available upon request at additional lead time and/or cost. Solar Innovations® reserves the right to discontinue any hardware option at any time. Please be sure to visit [solarinnovations.com](http://solarinnovations.com) for additional product information.

# OPERATION

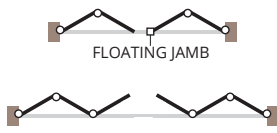
## Single Direction (All Wall)



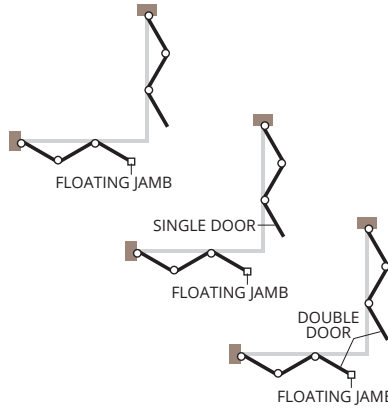
## Center Pivot



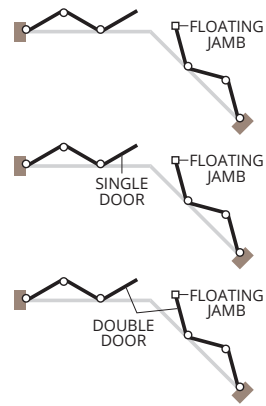
## Split Wall



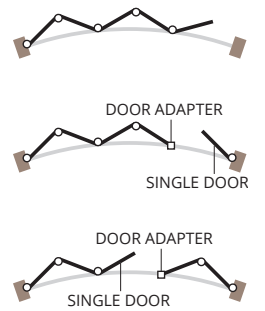
## 90 Degree No Post



## 135 Degree No Post

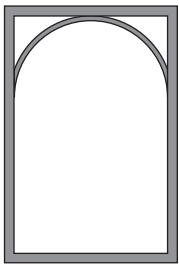


## Segmented Radius

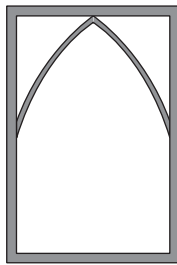


Custom configurations available upon request.

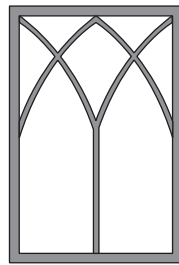
# GRID OPTIONS



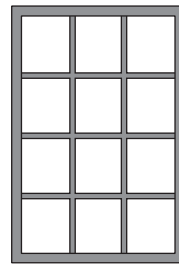
Arched Grid



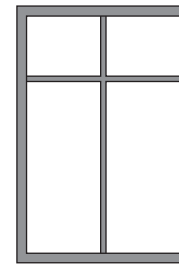
Gothic Grid



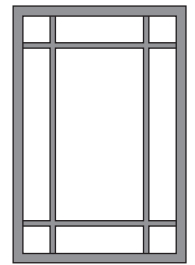
Double Gothic Grid



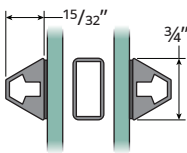
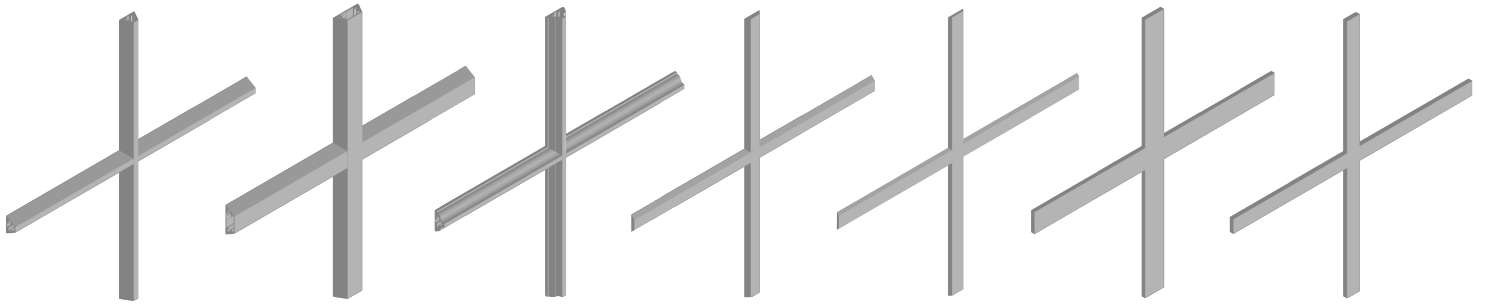
Traditional Grid



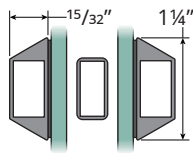
Cross Grid



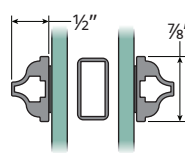
English Grid



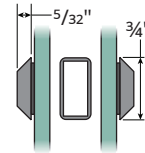
Traditional with SDL



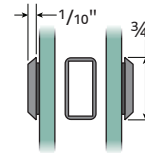
Wide Traditional with SDL



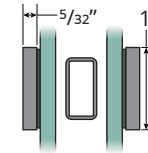
Ogee with SDL



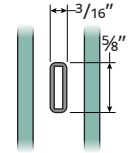
Low Profile with SDL



Thin Low Profile with SDL

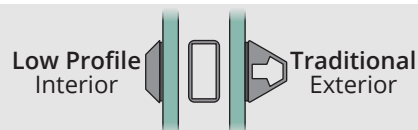


Simulated Steel with SDL



Interior Muntin in Insulated Glass

Like-sized grids can be mixed and matched, for example:



# FINISH OPTIONS

**Paint** AAMA 2603 (5 year warranty). Finishes available while in stock.



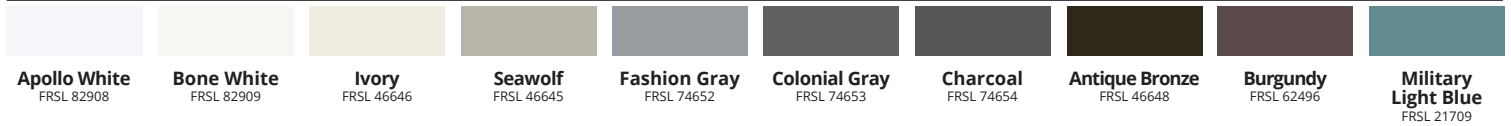
**Anodized** Additional cost



**Powder Coat Solids** STANDARD - AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.\*



**Powder Coat Solids** PREMIUM - AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.\*



Visit <https://www.ifsc coatings.com/content/assets/Uploads/brochures/IFS-Architectural-Digital-Color-Card.pdf> for additional metallic and anodic finishes.

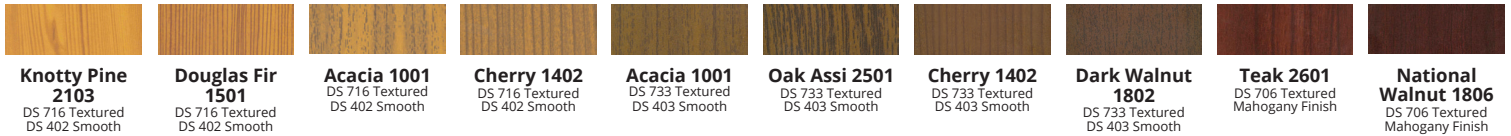
**Metal Clad** STANDARD\*



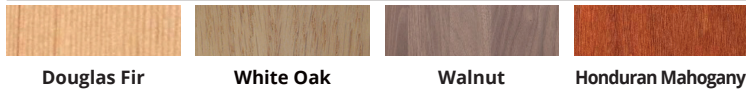
**Metal Clad** PREMIUM\*



**Decoral Finishes (Powder Coat)\***



**Wood Veneering (Unfinished)** STANDARD\*



**Wood Veneering (Unfinished)** PREMIUM\*






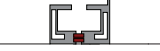


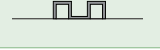



Note: wood veneering is for interior applications only. Available on a limited basis due to vendor supply.

\*Lead times subject to availability.

Note: Depending upon color selection, additional charges and increased lead times may apply. Extended warranties and service plans are available for an additional charge. Examples are shown as accurate as photography and printing processes allow. Final finish selection should be made from a physical sample; contact Solar Innovations® for samples. 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.

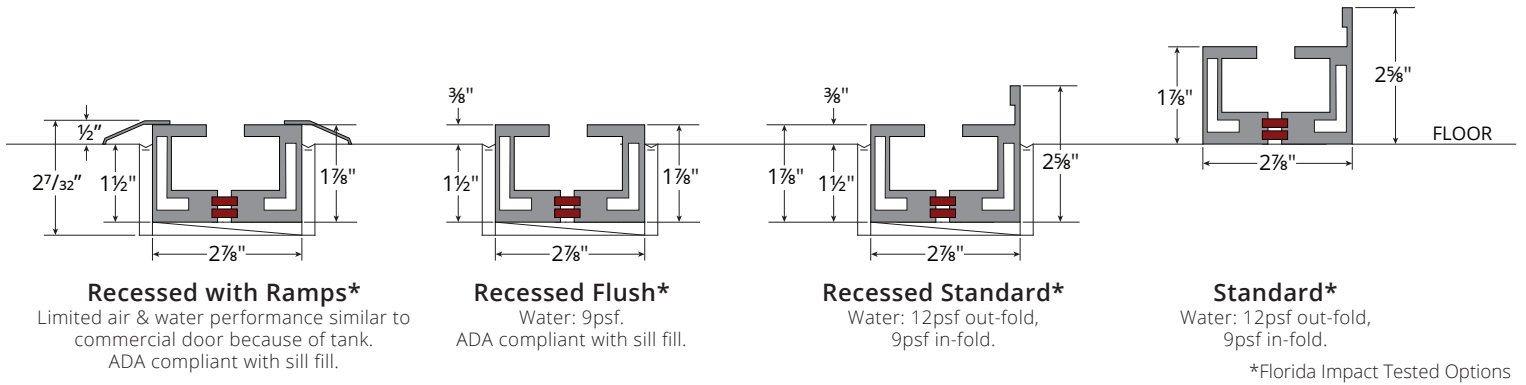
To find out more about the features and options of our folding glass walls, visit our website at [solarinnovations.com/folding-glass-walls/](https://solarinnovations.com/folding-glass-walls/) or contact one of our sales designers at 800 618 0669.

# SILL COMPARISONS

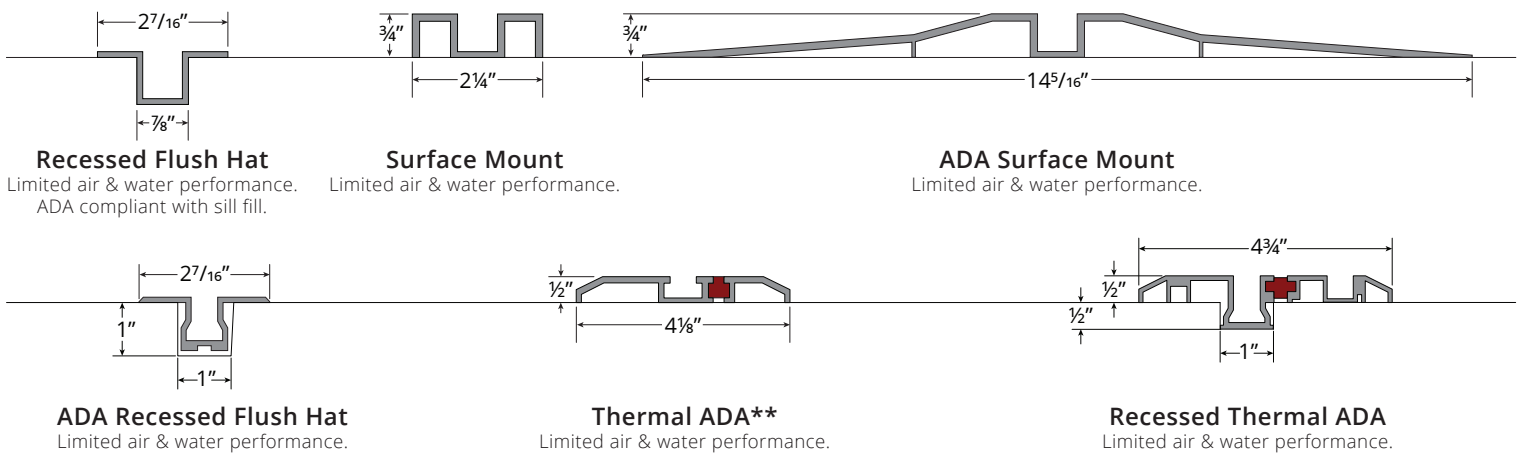
Folding Glass Wall Sill Type		Application	Top Load	Bottom Load	Recessed	Surface Mount	ADA Compliant	Florida Impact Tested	Water Performance	Max. Panel Height	Max. Frame Width	Max. Header Deflection
	<b>G2 Recessed with Ramps</b>	Interior or Exterior	Yes	Yes	Yes	No	Yes, with Sill Fill	Yes	Limited*	Varies	Varies	3/16"
	<b>G2 Recessed Flush</b>	Interior or Exterior	Yes	Yes	Yes	Yes	Yes, with Sill Fill	Yes	9psf	Varies	Varies	3/16"
	<b>G2 Recessed Standard</b>	Interior or Exterior	Yes	Yes	Yes	No	No	Yes	12psf Outfold 9psf Infold	Varies	Varies	3/16"
	<b>G2 Standard</b>	Interior or Exterior	Yes	Yes	No	Yes	No	Yes	12psf Outfold 9psf Infold	Varies	Varies	3/16"
	<b>Recessed Flush Hat</b>	Interior or Exterior	Yes	No	Yes	No	Yes, with Sill Fill	No	Limited*	10' 6"	Varies	3/16"
	<b>ADA Recessed Flush Hat</b>	Interior or Exterior	Yes	No	Yes	No	Yes	No	Limited*	10'	Varies	3/16"
	<b>Surface Mount</b>	Interior or Exterior	Yes	No	No	Yes	No	No	Limited*	10' 6"	Varies	3/16"
	<b>ADA Surface Mount</b>	Interior or Exterior	Yes	No	No	Yes	Yes	No	Limited*	10' 6"	Varies	3/16"
	<b>Thermal ADA</b>	Interior or Exterior	Yes	No	No	Yes	Yes	No	Limited*	8'	16'	3/32"
	<b>Recessed Thermal ADA</b>	Interior or Exterior	Yes	No	Yes	No	Yes	No	Limited*	10'	Varies	1/4"

\*Limited air and water performance similar to a commercial door

## TOP & BOTTOM LOAD SILLS



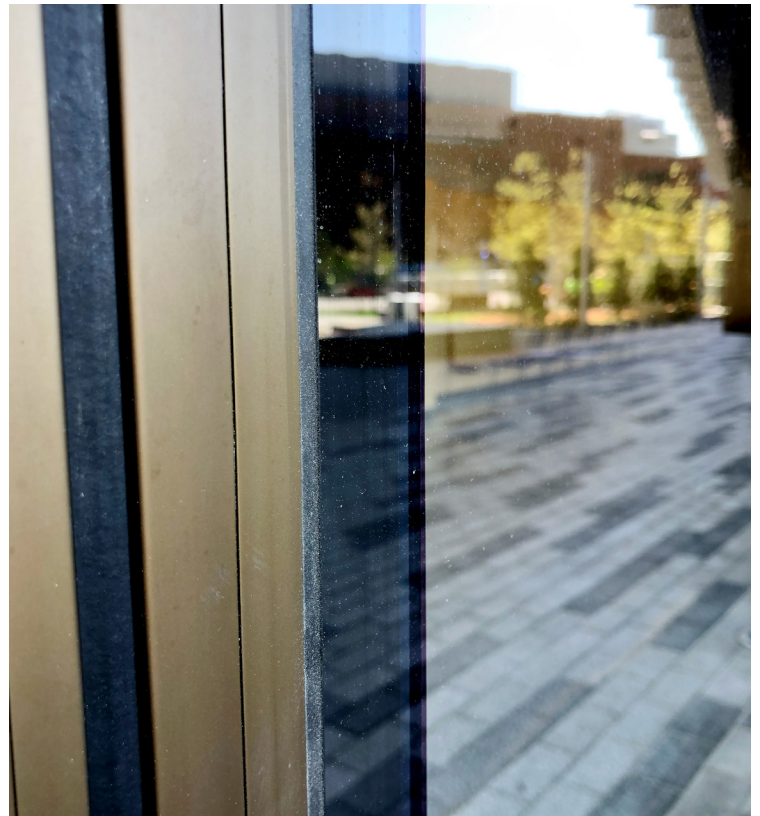
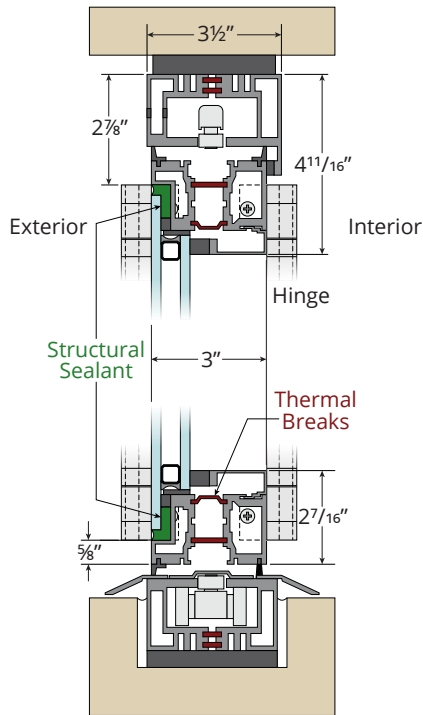
## TOP LOAD ONLY SILLS



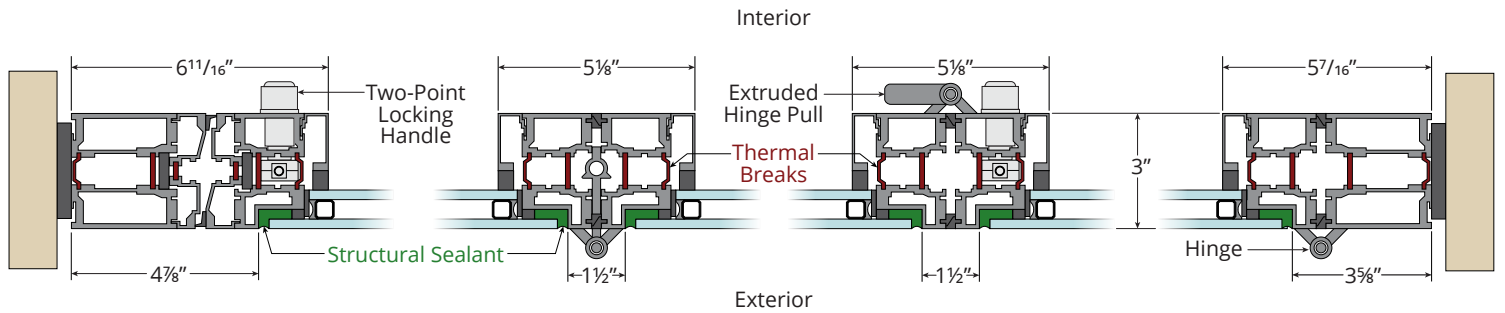
Note: Center Pivot Folding Glass Walls will get limited air and water performance.

\*\* 8' maximum panel height, 16' maximum frame width, 3/32" maximum allowable header deflection.

## HEAD & SILL DETAIL



## JAMB DETAIL



## ELEVATION DETAIL

