

# NO CORNER POST FOLDING GLASS WALL SYSTEMS



## Erasing the boundary between indoors and outdoors

Our No Corner Post Folding Glass Wall System enables the user to fully open a 90 degree corner of a room without the need for a structural post in the corner, presenting a totally unimpeded view of the surroundings. The ease of operation of this system allows an abundance of fresh air to permeate a space in less than a minute and truly erases the boundary between indoors and outdoors.

## FEATURES

### OPERATION:

- Top or bottom load
- In-fold or out-fold operation
- Endless configurations possible
- Swing door integration
- Center pivot option

### FRAMING:

- Aluminum or wood
- Frame widths: 3 $\frac{3}{8}$ ", 2 $\frac{7}{16}$ ", and 1 $\frac{5}{8}$ " (G3 only)
- Up to 3' x 15' panels and larger
- Standard, high performance and ADA compliant sills
- Matching sidelites and transoms
- LEED friendly system including recycled content

### HARDWARE:

- Multiple handle styles and finishes
- 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 almost any glazing infill including glass, acrylic, polycarbonate and solid panels, from  $\frac{3}{16}$ " to 1 $\frac{1}{16}$ "

### PERFORMANCE:

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

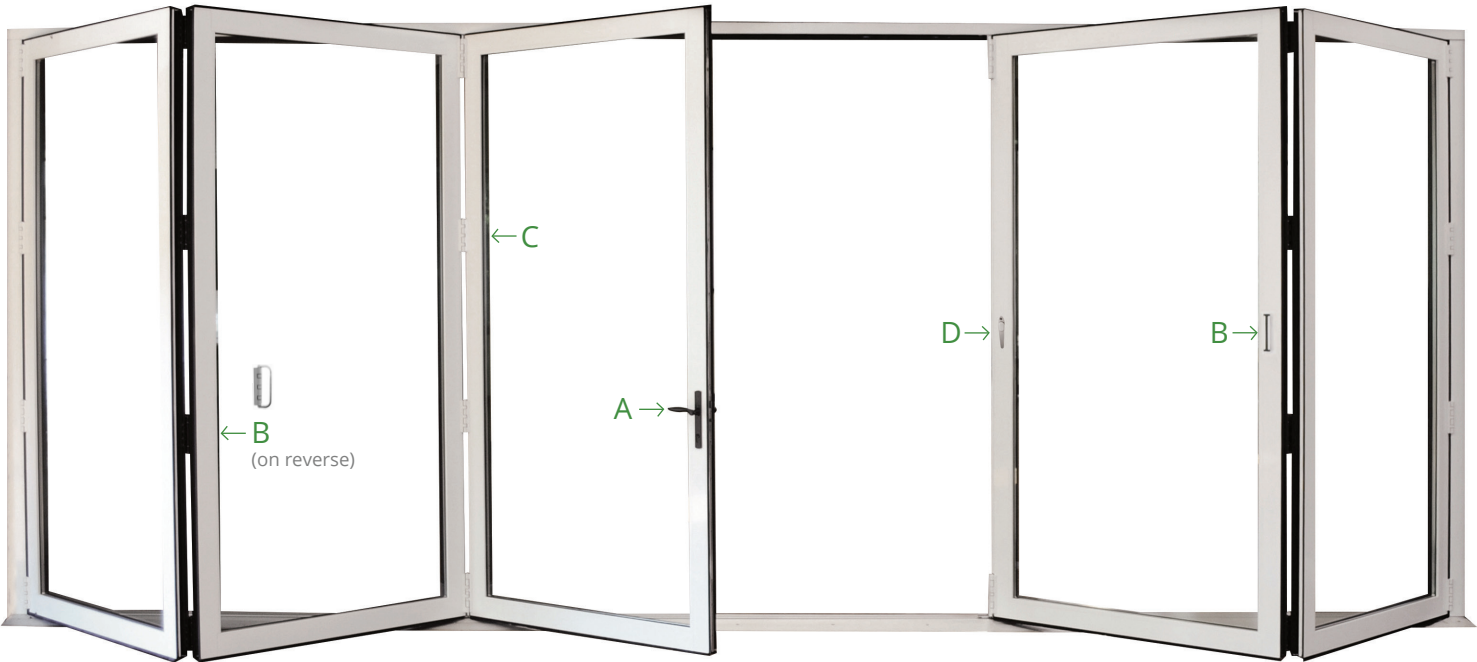
### FINISHES:

- 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:


- Wood veneer or metal cladding
- 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




A: Handles

SOLID BRASS — COASTAL APPLICATIONS\*



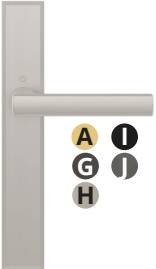
Toronto  
Standard

A G  
C H  
E I  
F




Atlanta

G H




Dallas

A I  
G I  
H



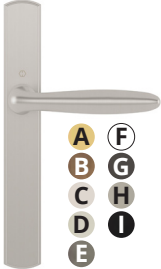
München

A G  
B H  
C I  
E J



Ródos

B G  
C H  
E I



Verona

A F  
B G  
C H  
D I  
E

Finish Options

<b>A</b> Polished Brass	<b>B</b> Antique Brass	<b>C</b> Brushed Chrome*	<b>D</b> Polished Chrome*	<b>E</b> Oil Rubbed Brass
<b>F</b> White	<b>G</b> Matte Black	<b>H</b> Satin Nickel*	<b>I</b> Rustic Umber	<b>J</b> Dark Bronze Metallic

\*Coastal applications are only available with select finish options.

ALUMINUM— INLAND APPLICATIONS



Frankfurt



London

Pure White

Pure Silver

ZAMAC/BRASS — INLAND APPLICATIONS (G2 ONLY)



Allegro



Torino



Venice

Satin Chrome	Antique Brass	Black PC	Dark Bronze
Polished Chrome*	Oil Rubbed Bronze	White PC	Pewter
Polished Brass	Dark Bronze PC	Satin Nickel	

\* Not available for Torino

FOR "KEYED ALIKE" APPLICATIONS



AR2190

- Bright Brass
- Satin Brass
- Dark Bronze
- Bright Stainless
- Satin Stainless

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)



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



**Low Profile Handle**

## C: Hinges



**Semi-Concealed Hinge**



**Surface Mount Hinge**

## D: 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.

## Closer, Catch, & Limiter



**D Series 7414 Door Closer**



**D Series TS93 Door Closer**



**C Series PR82 Door Closer**



**Standard Adjustable Door Catch**



**Extended Adjustable Door Catch**



**Door Limiter**

**Door Closer Finishes:** Aluminum Painted, Bronze, and Black

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

## Commercial Panic Hardware Options



**Exterior Entry Trim Square**



**Mortise Panic**



**Impact Panic**



**Push/Pull**



**Push Only**

Wire Pulls

## Passive Hardware Sets



**Square Commercial**



**Toronto**

Concealed vertical rod available.

**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.

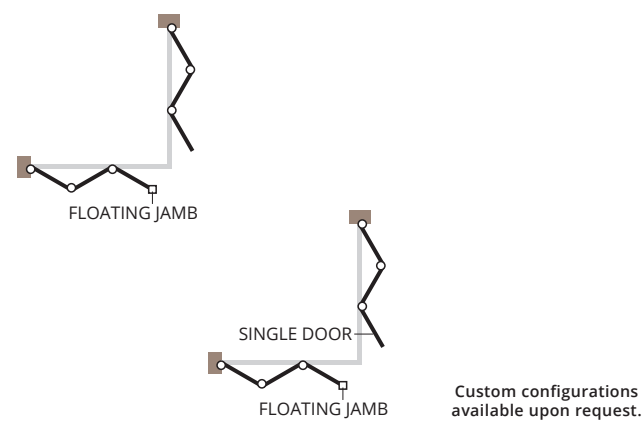
## Panels

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

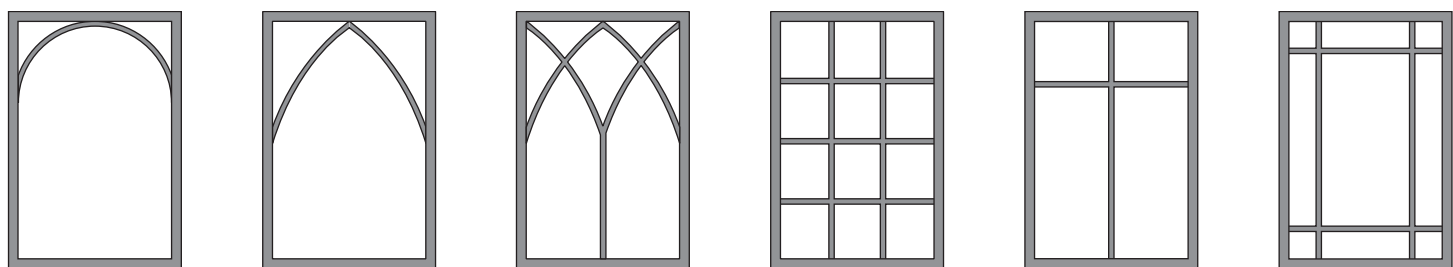
## Glazing

- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from ¼" to 1⅞"

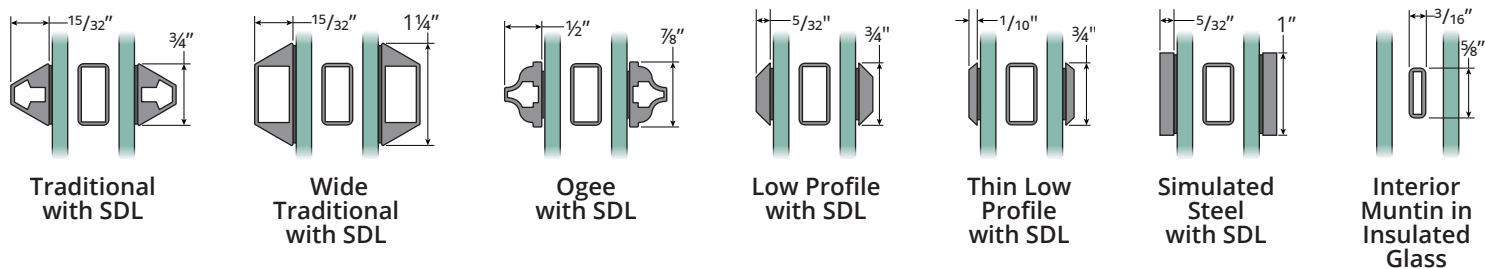
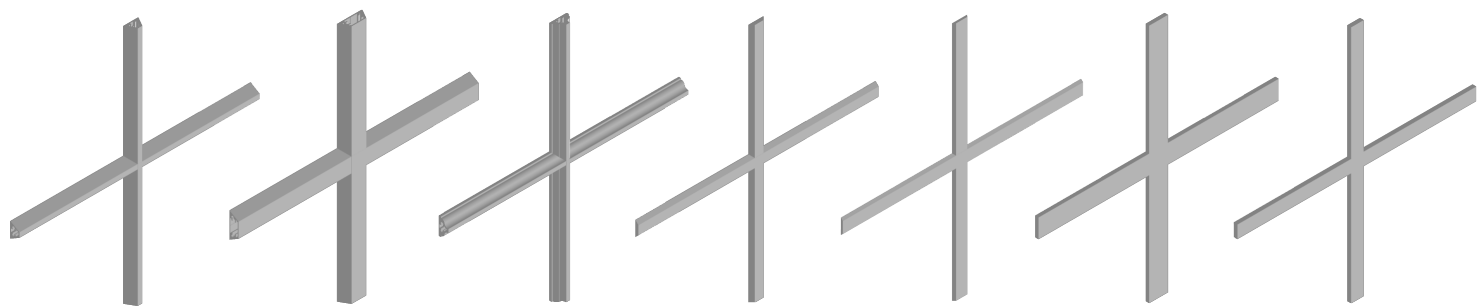
OPERATION



GRID OPTIONS



Arched Grid      Gothic Grid      Double Gothic Grid      Traditional Grid      Cross Grid      English Grid




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

Low Profile Interior      Traditional Exterior



# FINISH OPTIONS

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

					
SI Black	SI White	SI Sandstone	SI Natural Clay	SI Bronze	SI Hartford Green

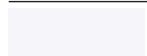









**Anodized** Additional cost

	
Class I Clear Anodized	Dark Bronze Anodized

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

					
Black FRSL 11618	White FRSL 83247	Sandstone FRSL 46647	Natural Clay FRSL 47591	Bronze FRML 97138	Hartford Green FRSL 32872

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

									
Apollo White FRSL 82908	Bone White FRSL 82909	Ivory FRSL 46646	Seawolf FRSL 46645	Fashion Gray FRSL 74652	Colonial Gray FRSL 74653	Charcoal FRSL 74654	Antique Bronze FRSL 46648	Burgundy FRSL 62496	Military Light Blue FRSL 21709

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


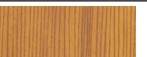








**Metal Clad** STANDARD\*

	
Copper	#4 Polished Stainless Steel

**Metal Clad** PREMIUM\*

				
Rheinzink Bright Rolled**	Rheinzink Blue Gray**	Rheinzink Graphite Gray**	Brass	Bronze

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

									
Knotty Pine 2103 DS 716 Textured DS 402 Smooth	Douglas Fir 1501 DS 716 Textured DS 402 Smooth	Acacia 1001 DS 716 Textured DS 402 Smooth	Cherry 1402 DS 716 Textured DS 402 Smooth	Acacia 1001 DS 733 Textured DS 403 Smooth	Oak Assi 2501 DS 733 Textured DS 403 Smooth	Cherry 1402 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)** STANDARD\*

			
Douglas Fir	White Oak	Walnut	Mahogany

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

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

		
White Pine	Pecan Pine	Cherry

**Wood/Glulam** STANDARD\*

			
Red Oak	White Ash	Hard Maple	White Oak

**Wood/Glulam** PREMIUM\*

			
Douglas Fir	Cherry	Sapele Mahogany	Walnut

\*Lead times subject to availability. \*\* Special order.

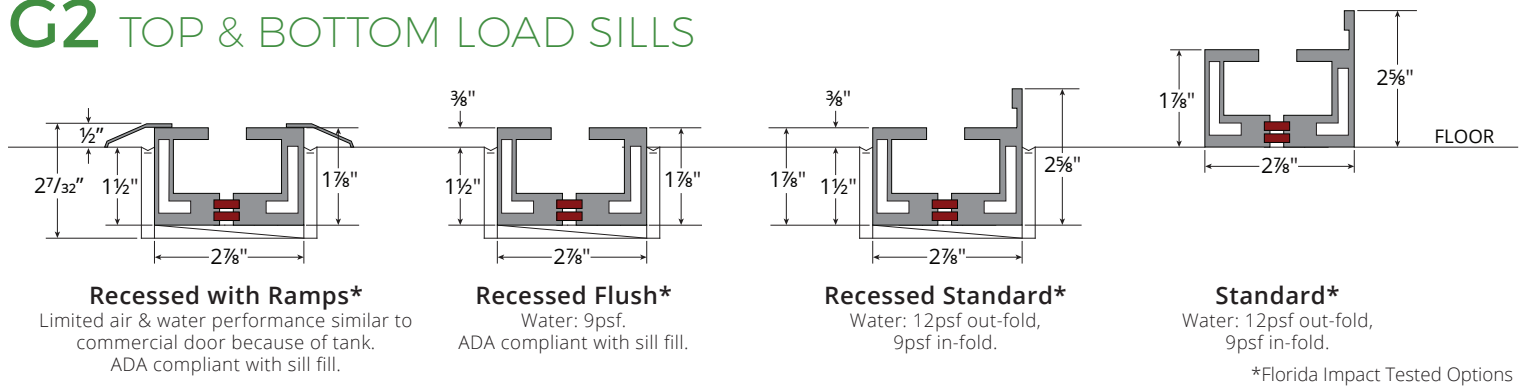
**Note:** Depending upon color selection, additional charges and increased lead times may apply. Extended warranties and service plans are available for an additional charge. Examples are shown as accurate as photography and printing processes allow. Final finish selection should be made from a physical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

## SILL COMPARISONS

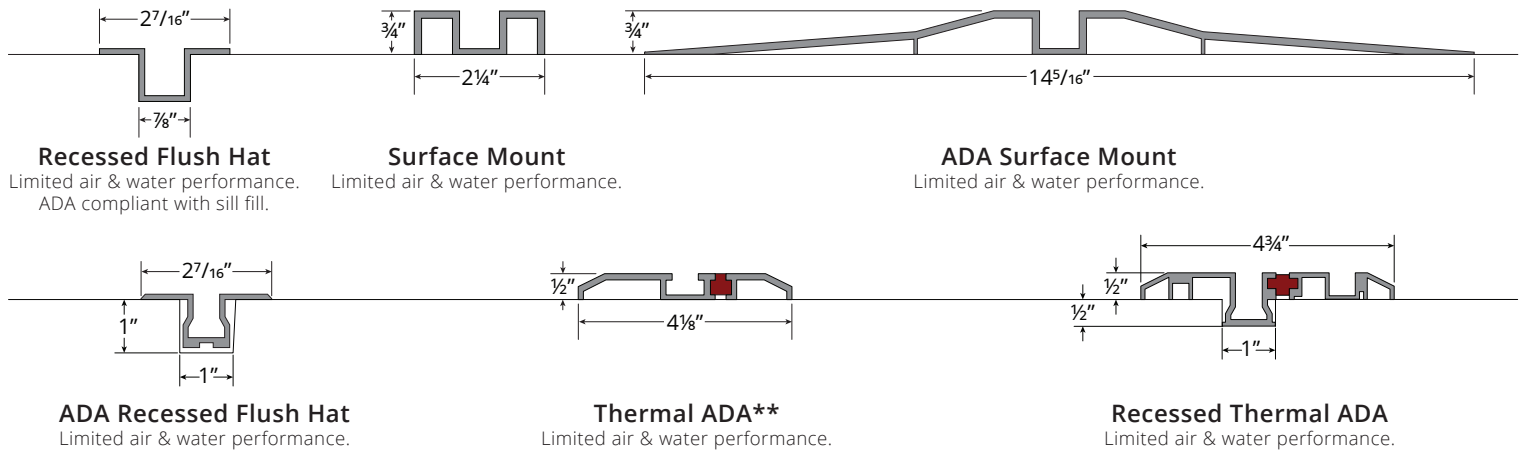
Folding Glass Wall Sill Type	Application	Top Load	Bottom Load	Recessed	Surface Mount	ADA Compliant	Florida Impact Tested	Water Performance	Max. Panel Height	Max. Frame Width	Max. Header Deflection	
G2 System												
	G2 Recessed with Ramps	Interior or Exterior	Yes	Yes	Yes	No	Yes, with Sill Fill	Yes	Limited*	Varies	Varies	3/16"
	G2 Recessed Flush	Interior or Exterior	Yes	Yes	Yes	Yes	Yes, with Sill Fill	Yes	9psf	Varies	Varies	3/16"
	G2 Recessed Standard	Interior or Exterior	Yes	Yes	Yes	No	No	Yes	12psf Outfold 9psf Infold	Varies	Varies	3/16"
	G2 Standard	Interior or Exterior	Yes	Yes	No	Yes	No	Yes	12psf Outfold 9psf Infold	Varies	Varies	3/16"
G3 System												
	G3 Recessed with Ramps	Interior or Exterior	Yes	Yes	Yes	No	Yes, with Sill Fill	Yes	Limited*	Varies	Varies	3/16"
	G3 Recessed Flush	Interior or Exterior	Yes	Yes	Yes	Yes	Yes, with Sill Fill	Yes	9psf	Varies	Varies	3/16"
	G3 Recessed Standard	Interior or Exterior	Yes	Yes	Yes	No	No	Yes	12psf Outfold 9psf Infold	Varies	Varies	3/16"
	G3 Standard	Interior or Exterior	Yes	Yes	No	Yes	No	Yes	12psf Outfold 9psf Infold	Varies	Varies	3/16"
	G3 Stepped with Ramps	Interior or Exterior	Yes	Yes	Yes	No	Yes	No	Limited*	Varies	Varies	3/16"
Both G2 & G3 Systems												
	Recessed Flush Hat	Interior or Exterior	Yes	No	Yes	No	Yes, with Sill Fill	No	Limited*	10' 6"	Varies	3/16"
	ADA Recessed Flush Hat	Interior or Exterior	Yes	No	Yes	No	Yes	No	Limited*	10'	Varies	3/16"
	Surface Mount	Interior or Exterior	Yes	No	No	Yes	No	No	Limited*	10' 6"	Varies	3/16"
	ADA Surface Mount	Interior or Exterior	Yes	No	No	Yes	Yes	No	Limited*	10' 6"	Varies	3/16"
	Thermal ADA	Interior or Exterior	Yes	No	No	Yes	Yes	No	Limited*	8'	16'	3/32"
	Recessed Thermal ADA	Interior or Exterior	Yes	No	Yes	No	Yes	No	Limited*	10'	Varies	¼"

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

## G2 TOP & BOTTOM LOAD SILLS



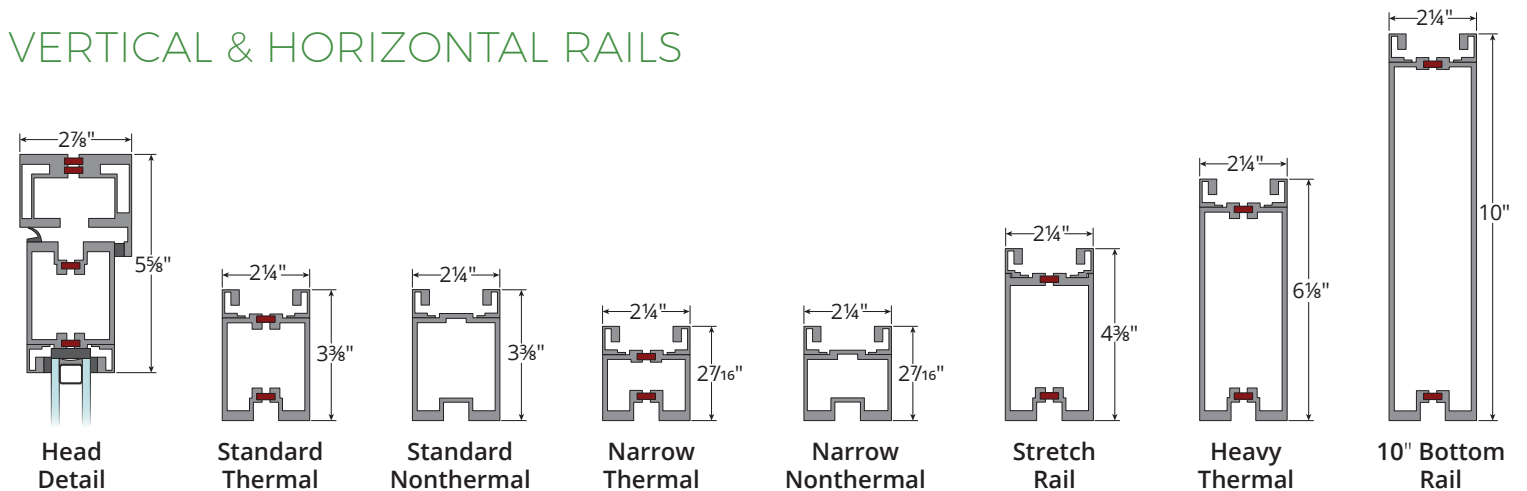
## TOP LOAD ONLY SILLS



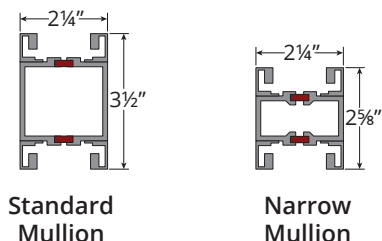
Note: Center Pivot Folding Glass Walls will get limited air and water performance.

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

## VERTICAL & HORIZONTAL RAILS

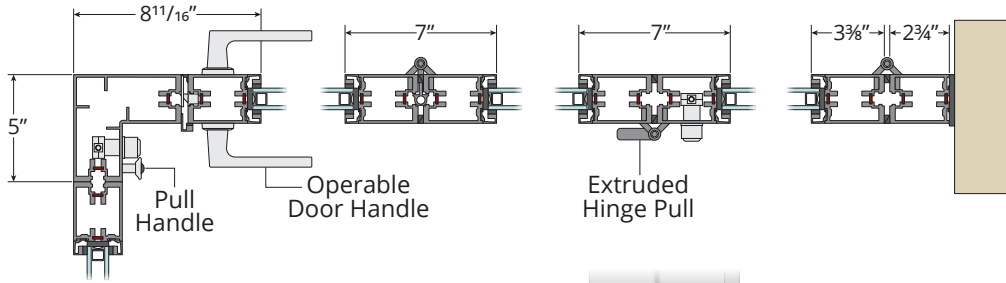


## MULLIONS (True Divided Lites)



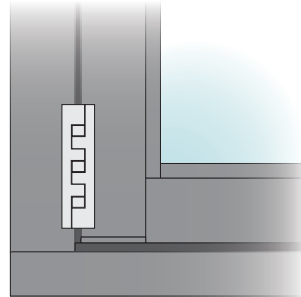
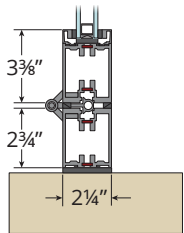
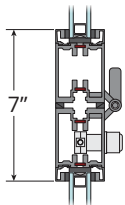
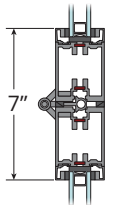
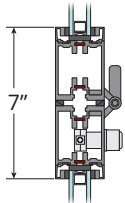
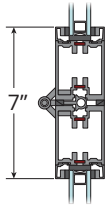
Please note: All mullions offered by Solar Innovations® include thermal break, regardless of the system.

# JAMB DETAILS

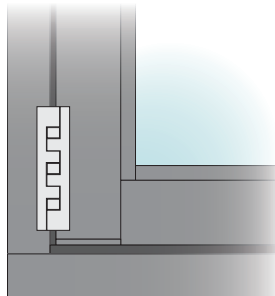


## G2 Outfold: Odd number of panels on both sides

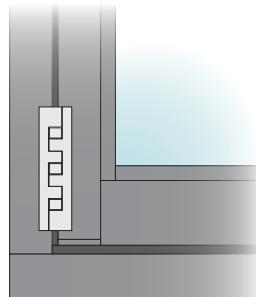
INTERIOR



Regular G2 Jamb & Frame



Narrow G2 Jamb & Regular G2 Frame

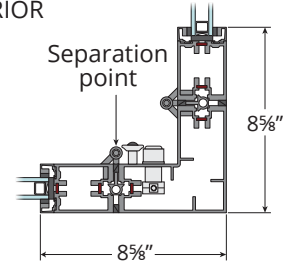
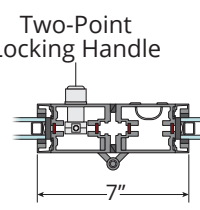
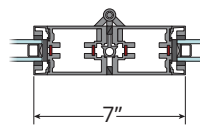
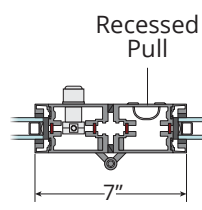
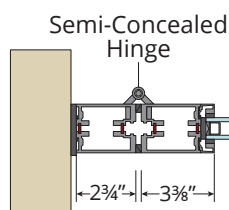
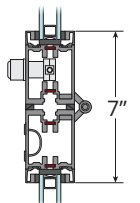
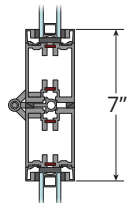
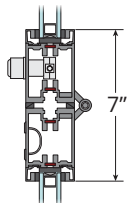
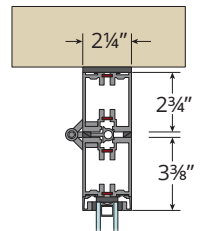


Narrow G2 Jamb & Frame

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

## G2 Infold: Even number of panels on both sides

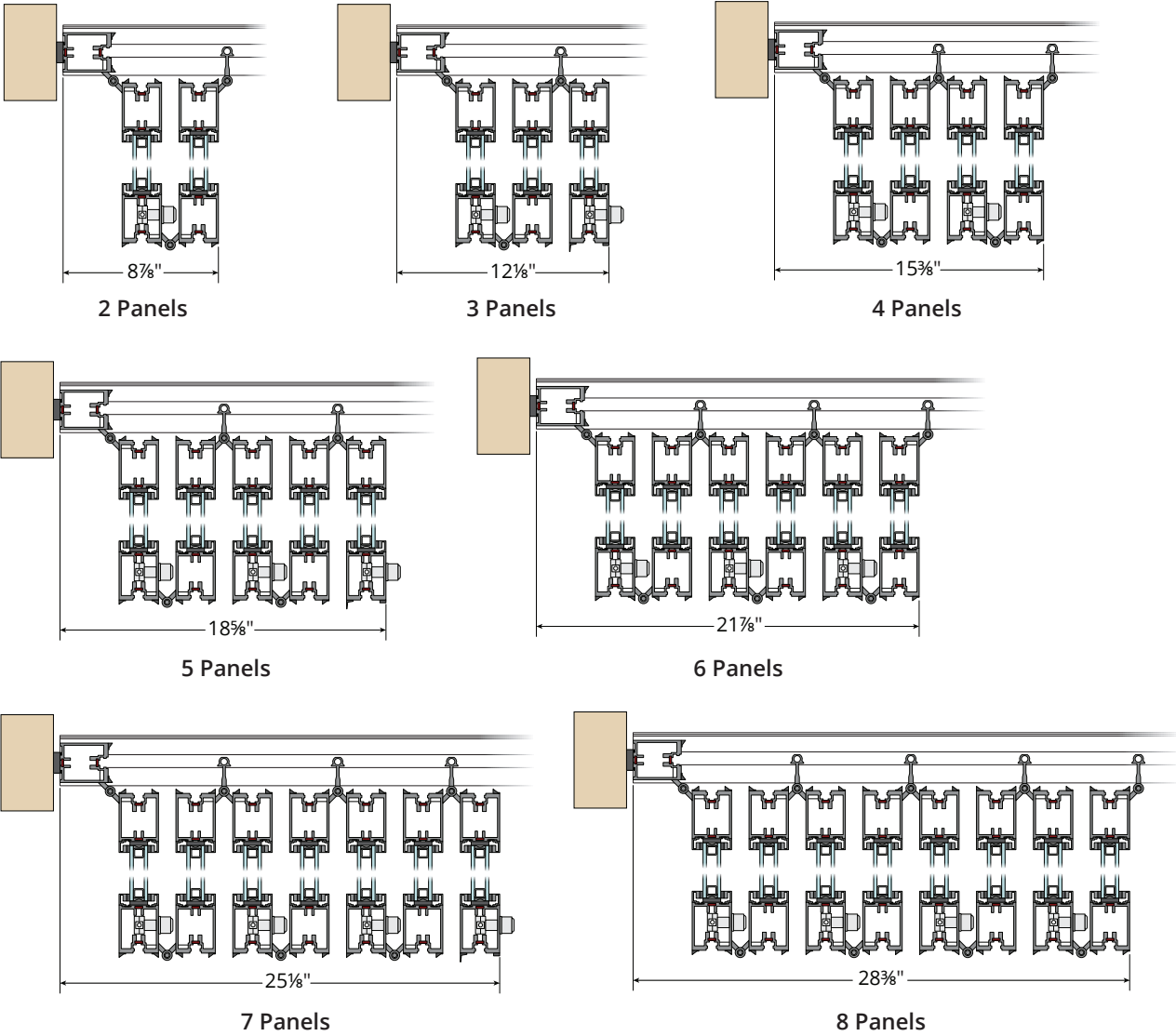
INTERIOR





# STACKED WALL DIMENSIONS

Standard Jamb. Subtract 15/16" for Narrow Jamb.

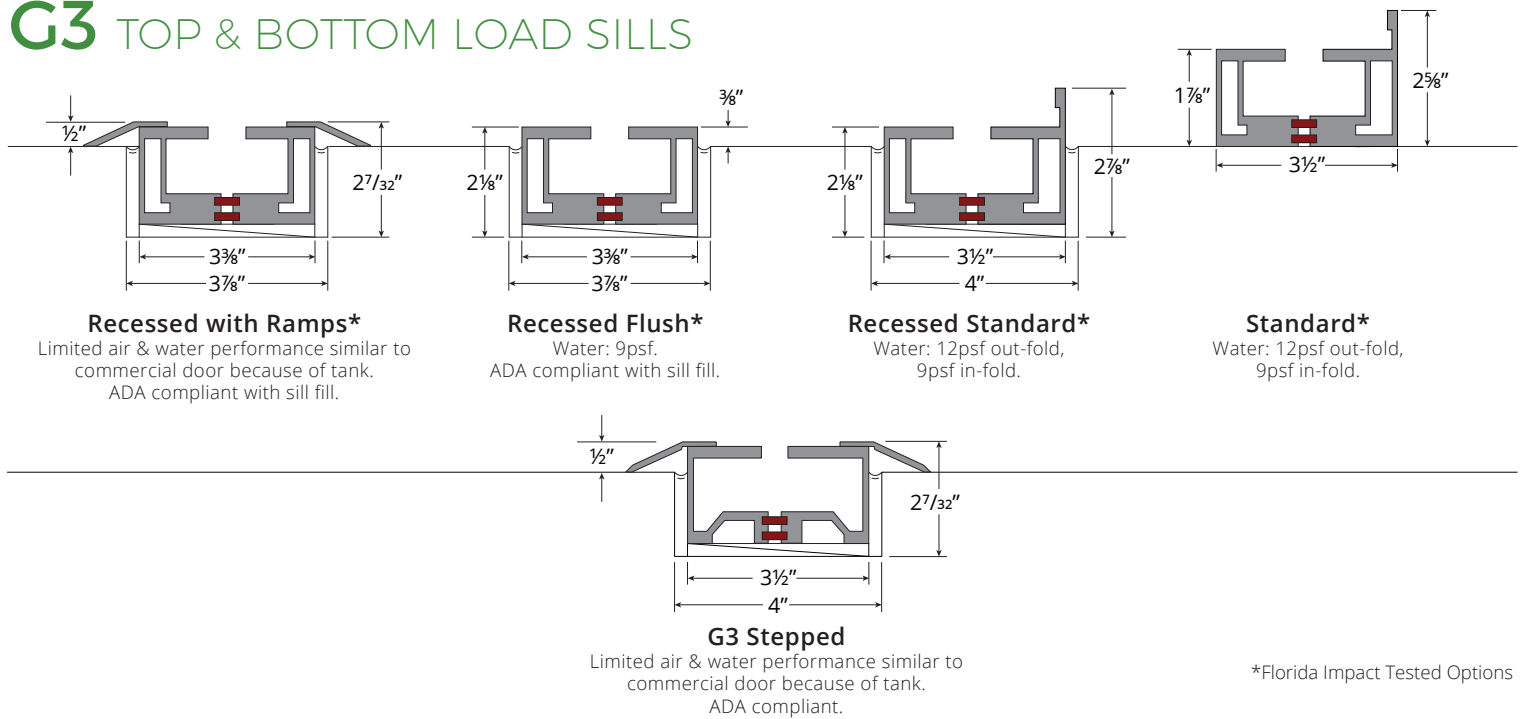


## TESTING

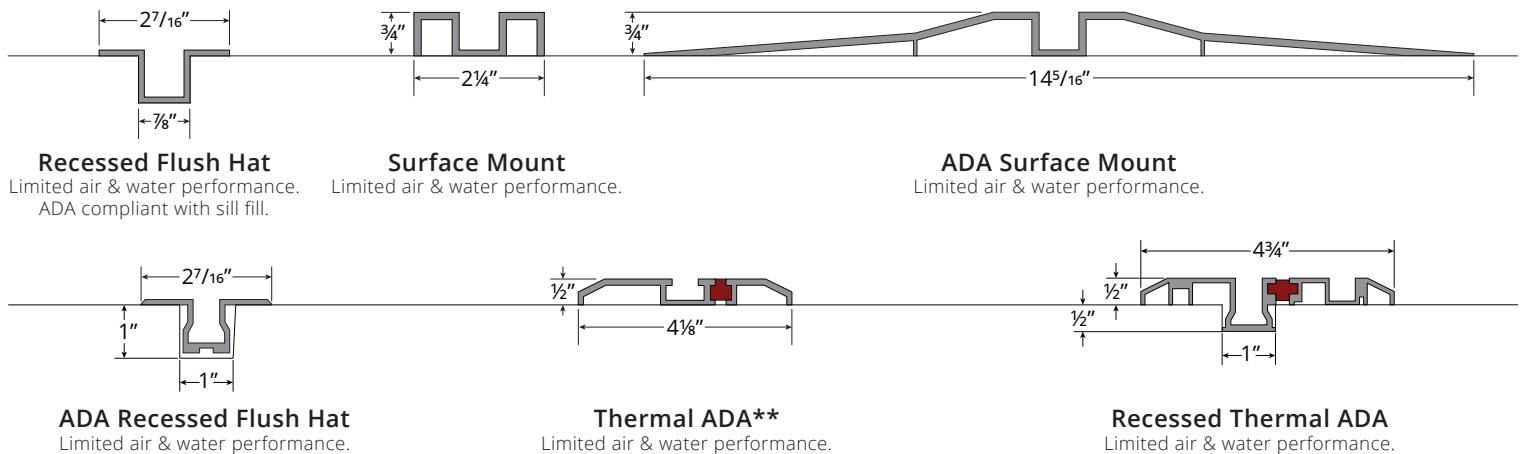
G2 No Corner Post Folding Glass Wall Impact Testing							
Certification	Description	Panel Size	Number of Panels	Design Pressure	Water Penetration	Glass Selection	HVHZ Approved
12278.1	G2 Regular Infold	36" X 96"	Unlimited	Max ±80psf	Standard Sill: 9psf Recessed Flush Sill: 9psf	1" IGU (3/16" Tempered over 7/16" Annealed Laminated (.090 SGP) 1 1/16" IGU (3/16" Tempered over 7/16" Annealed Laminated (.090 SGP) Monolithic 7/16" Annealed Laminated (.090 SPG)	Yes

G2 No Corner Post Folding Glass Wall STC Ratings						
Report	Description	Sill	Glazing Thickness	Glazing Makeup	STC	OITC
F3179.01	G2 Reg Thermal	Standard	1 1/8"	1/4" Lami w/ .030 Acoustical Interlayer, 1/2" Air, 3/8" Lami w/ .030 Acoustical Interlayer	39	32
F3179.02	G2 Reg Thermal	Recessed Flush or Recessed Ramp	1 1/8"	1/4" Lami w/ .030 Acoustical Interlayer, 1/2" Air, 3/8" Lami w/ .030 Acoustical Interlayer	34	29

## G3 TOP & BOTTOM LOAD SILLS



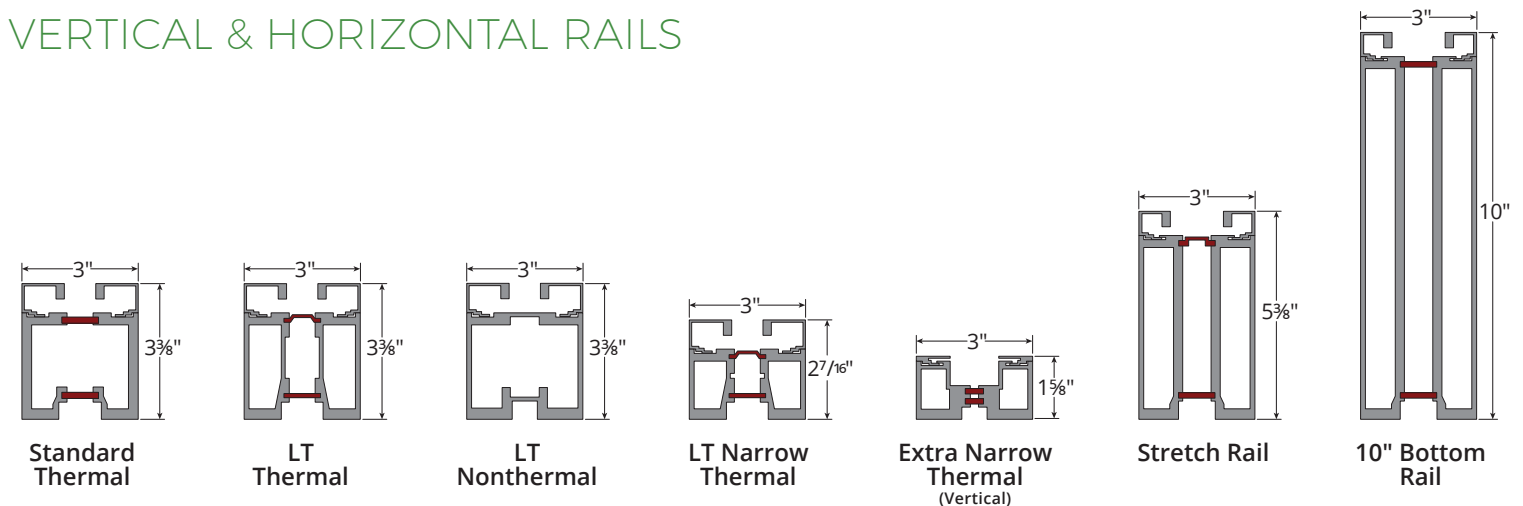
## TOP LOAD ONLY SILLS



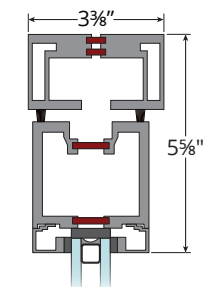
Note: Center Pivot Folding Glass Walls will get limited air and water performance.

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

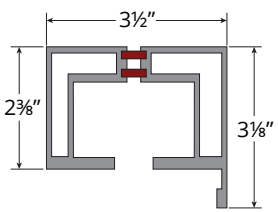
## VERTICAL & HORIZONTAL RAILS



HEADS



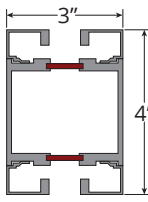
Standard Head & Frame Detail



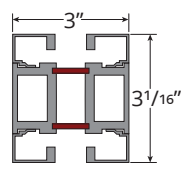
1 1/2" Dual Wheel Head

MULLIONS

(True Divided Lites)



Standard Mullion



Narrow Mullion

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

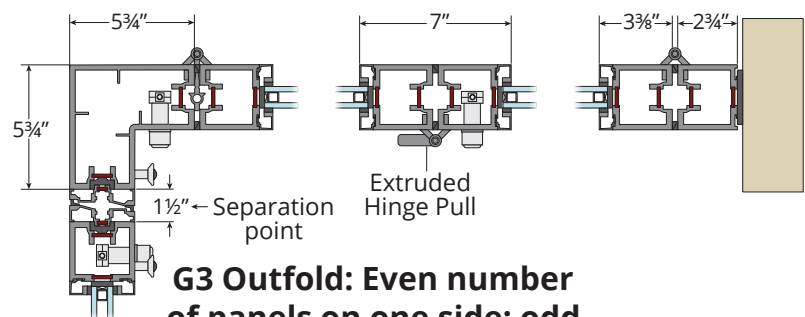


TESTING

G3 No Corner Post Folding Glass Wall Impact Testing							
Certification	Description	Panel Size	Number of Panels	Design Pressure	Water Penetration	Glass Selection	HVHZ Approved
13407.2	G3 Reg Infold w Flush Sill	42" x 114"	Unlimited	Max ±55psf	Recessed Flush Sill: 9psf	1" IGU (3/16" Tempered over 7/16" Annealed Laminated (.090 SGP) Monolithic 7/16" Annealed Laminated (.090 SPG)	Yes
13407.3	G3 Reg Infold w Standard Sill	42" x 114"	Unlimited	Max ±80psf	Standard Sill: 9psf	1" IGU (3/16" Tempered over 7/16" Annealed Laminated (.090 SGP) Monolithic 7/16" Annealed Laminated (.090 SPG)	Yes
13407.4	G3 Reg Outfold	42" x 114"	Unlimited	Max ±80psf	Standard Sill: 12psf Recessed Flush Sill: 9psf	1" IGU (3/16" Tempered over 7/16" Annealed Laminated (.090 SGP) Monolithic 7/16" Annealed Laminated (.090 SPG)	Yes

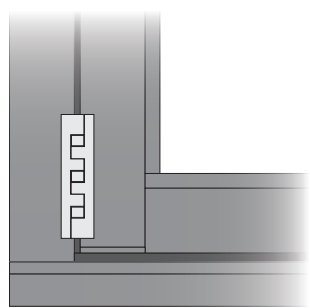
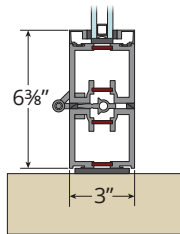
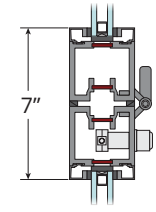
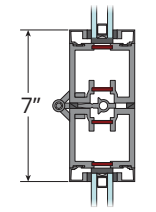
G3 No Corner Post Folding Glass Wall STC Ratings						
Report	Description	Sill	Glazing Thickness	Glazing Makeup	STC	OITC
F3184.01	G3 LT Thermal	Standard	1 1/8"	1/4" Lami w/ .030 Acoustical Interlayer, 1/2" Air, 3/8" Lami w/ .030 Acoustical Interlayer	39	32
F3184.02	G3 LT Thermal	Recessed Flush or Recessed Ramp	1 1/8"	1/4" Lami w/ .030 Acoustical Interlayer, 1/2" Air, 3/8" Lami w/ .030 Acoustical Interlayer	38	31
I0249.02	G3 LT Narrow Thermal	Standard	1 9/16"	3/8" Lami w/ .030 PVB Interlayer, 3/4" Air, 3/8" Lami w/ .030 PVB Interlayer	45	35
I0249.04	G3 LT Narrow Thermal	Recessed Flush	1 9/16"	3/8" Lami w/ .030 PVB Interlayer, 3/4" Air, 3/8" Lami w/ .030 PVB Interlayer	44	35

JAMB DETAILS

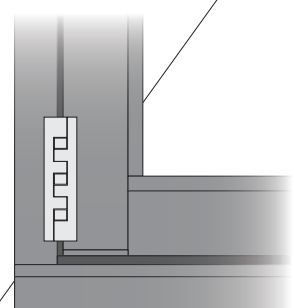


**G3 Outfold: Even number of panels on one side; odd number on the other side**

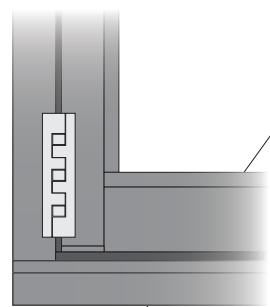
INTERIOR



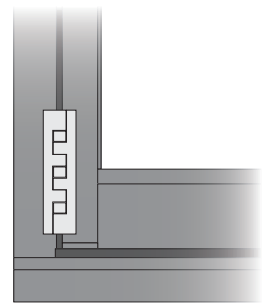
Standard G3 Jamb & Frame



Narrow G3 Jamb & Standard G3 Frame

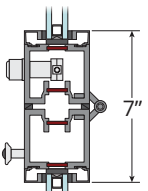
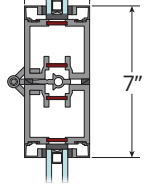
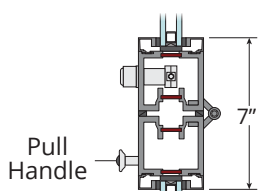
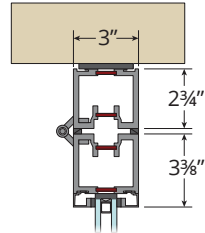


Narrow G3 Jamb & Frame



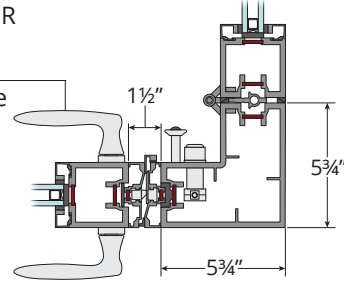
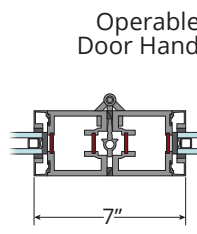
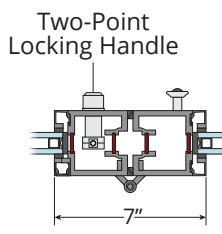
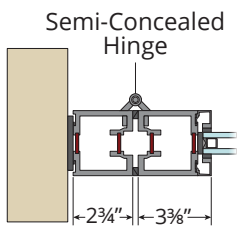
Extra Narrow G3 Panel and G3LT Narrow Jamb Frame

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



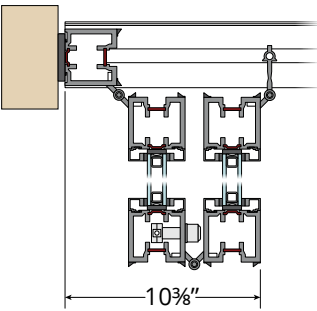
**G3 Infold: Even number of panels on one side; odd number on the other side**

INTERIOR

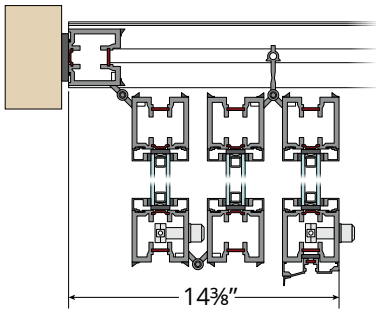


# STACKED WALL DIMENSIONS

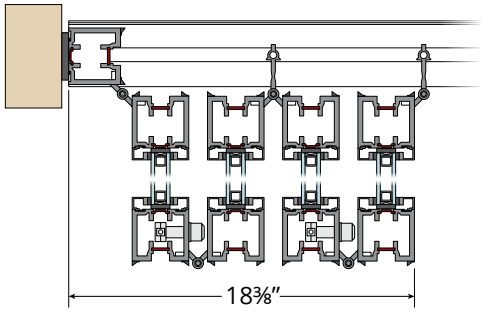
Standard Jamb. Subtract 15/16" for Narrow Jamb.



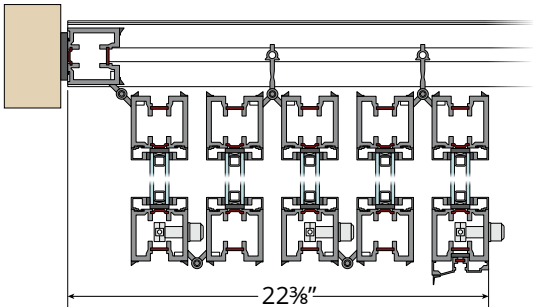
2 Panels



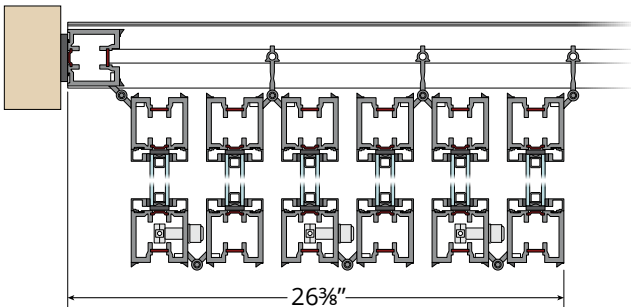
3 Panels



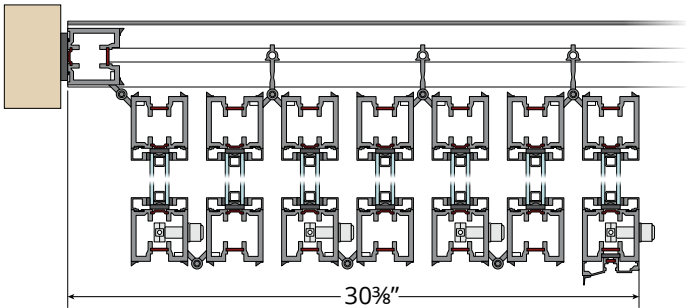
4 Panels



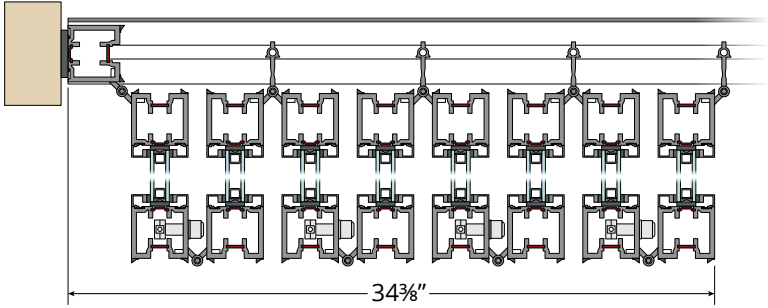
5 Panels



6 Panels



7 Panels



8 Panels