

NO CORNER POST FOLDING GLASS WALL SYSTEMS



Erasing the boundary between indoors and outdoors

Our No Corner Post, or Open Corner, 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 $\frac{1}{2}$ "

PERFORMANCE:

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

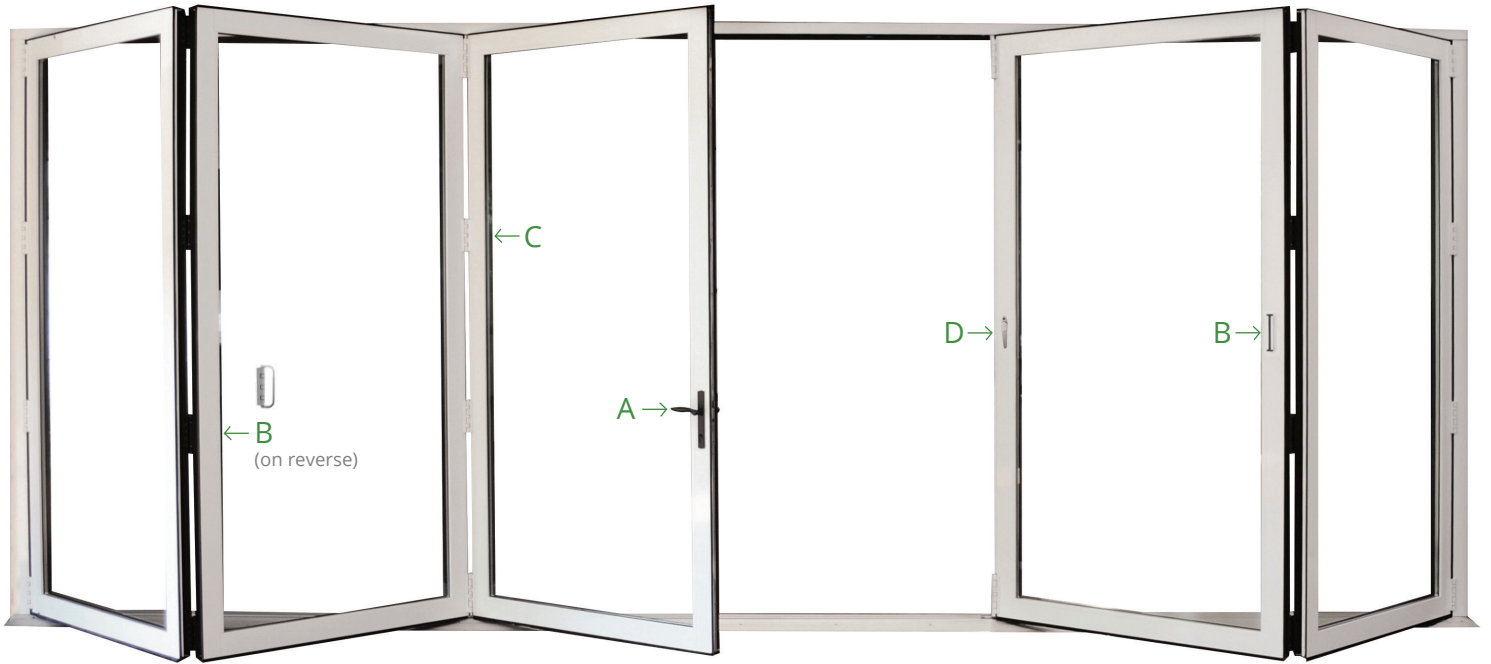
FINISHES:

- Standard AAMA 2603 paint finishes: Black, White, Sandstone, Natural Clay, Bronze and Hartford Green
- AAMA 611 Class I anodized finishes: Clear, Dark Bronze
- Standard AAMA 2605 powder coat finishes: Black, White, Sandstone, Natural Clay, Bronze and Hartford Green
- Premium AAMA powder coat finishes
- Custom finishes:
 - Fluoropolymer (50% or 70%): AAMA 2605
 - Faux wood (Decoral)
 - 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 F
C G
E H



Atlanta

F G



Dallas

A H
F I
G



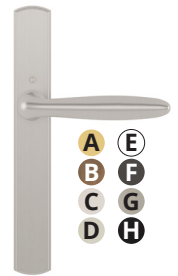
München

A G
B H
C I
F



Ródos

B G
C H
F



Verona

A E
B F
C G
D H

Finish Options

A Polished Brass	B Antique Brass	C Brushed Chrome*	D Polished Chrome*	E White
F Matte Black	G Satin Nickel*	H Rustic Umber	I Dark Bronze Metallic	

*Coastal applications are only available with select finish options.

ALUMINUM— INLAND APPLICATIONS



Frankfurt

A E
B F



London

A E
C F
D

A Silver	D Grey Brown
B Chestnut	E White
C Alpine Frost	F Matte Black

ZAMAC/BRASS — INLAND APPLICATIONS (G2 ONLY)



Allegro

Satin Chrome
Polished Chrome*
Polished Brass



Torino

Antique Brass	Black PC
Oil Rubbed Bronze	White PC
Dark Bronze PC	Satin Nickel



Venice

Dark Bronze
Pewter
* Not available for Torino

FOR "KEYED ALIKE" APPLICATIONS Commercial core



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

* Segmented Radius only.

** Additional cost. Not compatible with Extra Narrow systems.

Pull Hardware, Hinge, and Lock Finish Options



Custom color options are also available upon request.

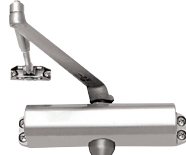
Closer, Catch, & Limiter



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 and Dark Bronze Anodized

* For Panic Bar applications

Commercial Panic Hardware Options



Exterior Entry Trim Square



Mortise Panic



Impact Panic*



Push/Pull



Push Only

Wire Pulls

Passive Hardware Sets



Square Commercial



Toronto

* G2 only. Concealed vertical rod.

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 for additional product information.

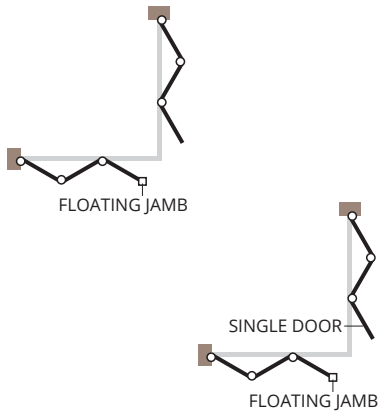
Panels

- 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

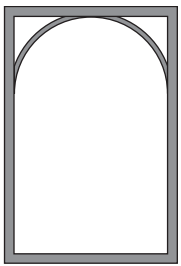
- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from ¼" to 1½"

OPERATION EXAMPLES

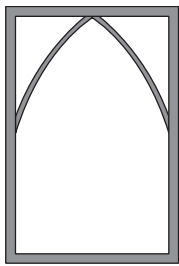


Custom configurations available upon request.

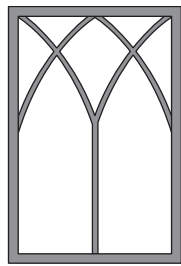
GRID OPTIONS



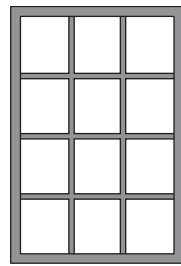
Arched Grid



Gothic Grid



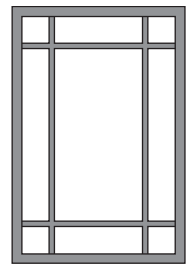
Double Gothic Grid



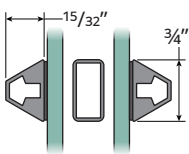
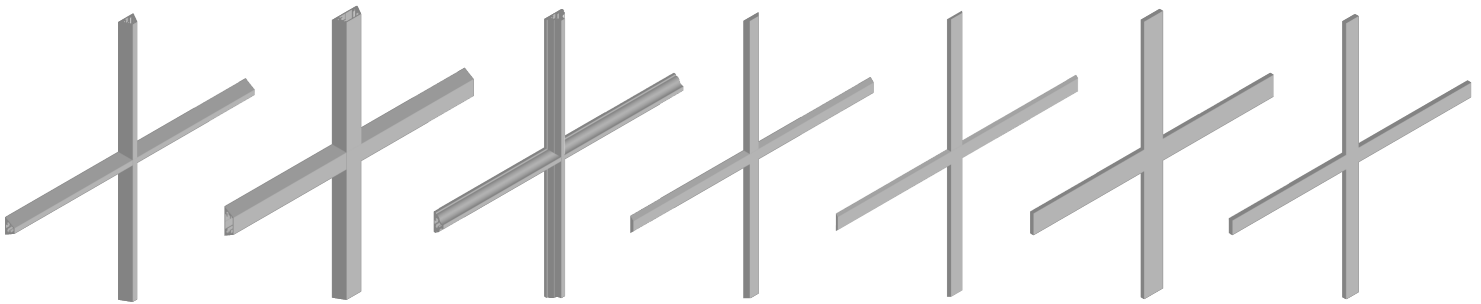
Traditional Grid



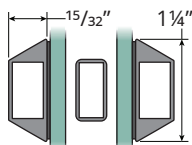
Cross Grid



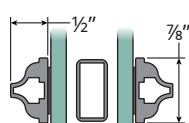
English Grid



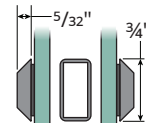
Traditional with SDL



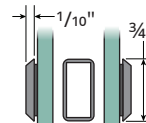
Wide Traditional with SDL



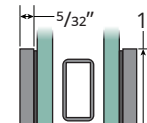
Ogee with SDL



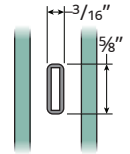
Low Profile with SDL



Thin Low Profile with SDL



Simulated Steel with SDL



Interior Muntin in Insulated Glass

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



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

FINISH OPTIONS

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



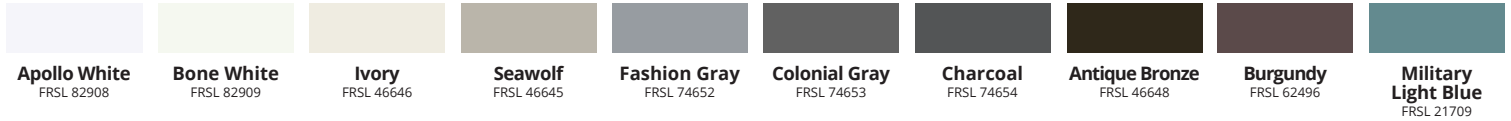
Anodized Additional cost



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

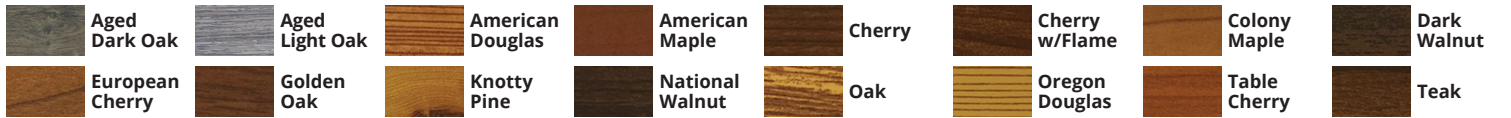
Metal Clad STANDARD* (EXTERIOR ONLY)



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. ** 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.

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



GLASS SPECIFICATIONS

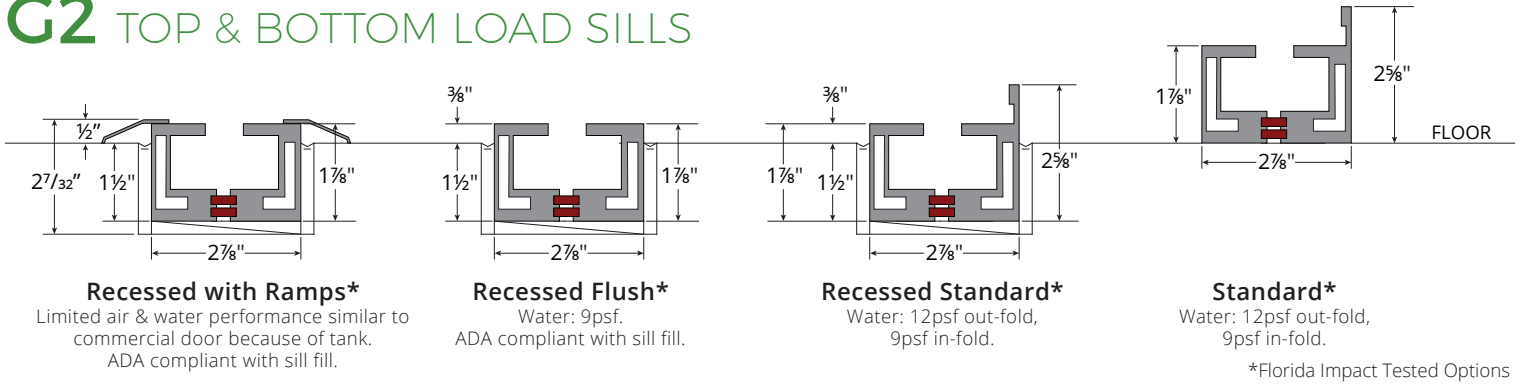
	Overall Unit Thickness	U-Value	R-Value	Solar Heat Gain Coefficient	Visible Light Transmission	Reflectance Out	Reflectance In	UV Transmittance
MONOLITHIC								
Clear	¼"	1.02	0.91	0.82	88%	8%	8%	62%
DOUBLE GLAZED Outside Lite/Inside Lite								
Clear/Clear	1"	0.46	2.17	0.78	82%	15%	15%	58%
180/Clear	1"	0.26	3.85	0.64	79%	15%	15%	29%
272/Clear	1"	0.25	4.00	0.41	72%	11%	12%	16%
366/Clear	1"	0.24	4.17	0.27	65%	11%	12%	5%
340/Clear	1"	0.25	4.00	0.18	39%	11%	13%	2%
180/i89	1"	0.21	4.76	0.62	77%	15%	14%	27%
272/i89	1"	0.20	5.00	0.41	70%	11%	11%	16%
366/i89	1"	0.20	5.00	0.27	63%	11%	11%	5%
340/i89	1"	0.20	5.00	0.17	38%	11%	12%	2%
Gray/Clear	1"	0.45	2.22	0.60	57%	9%	13%	32%
Gray/180	1"	0.26	3.85	0.49	53%	9%	14%	17%
Gray/272	1"	0.25	4.00	0.38	50%	8%	9%	10%
Bronze/Clear	1"	0.45	2.22	0.62	61%	10%	13%	31%
Bronze/180	1"	0.26	3.85	0.61	59%	10%	14%	17%
Bronze/272	1"	0.25	4.00	0.39	54%	8%	10%	10%
SolarBan 60/Clear	1"	0.24	-	0.39	70%	11%	12%	20%
SolarBan 70/Clear	1"	0.24	-	0.27	64%	14%	13%	6%
SolarBan 90/Clear	1"	0.24	-	0.23	51%	12%	19%	8%
TRIPLE GLAZED Outside Lite/Middle Lite/Inside Lite								
180/Clear/180	1½"	0.15	6.67	0.56	70%	20%	20%	13%
272/Clear/180	1½"	0.15	6.67	0.37	63%	15%	18%	8%
366/Clear/180	1½"	0.15	6.67	0.25	57%	14%	18%	2%
340/Clear/180	1½"	0.15	6.67	0.16	34%	13%	19%	1%

SILL COMPARISONS

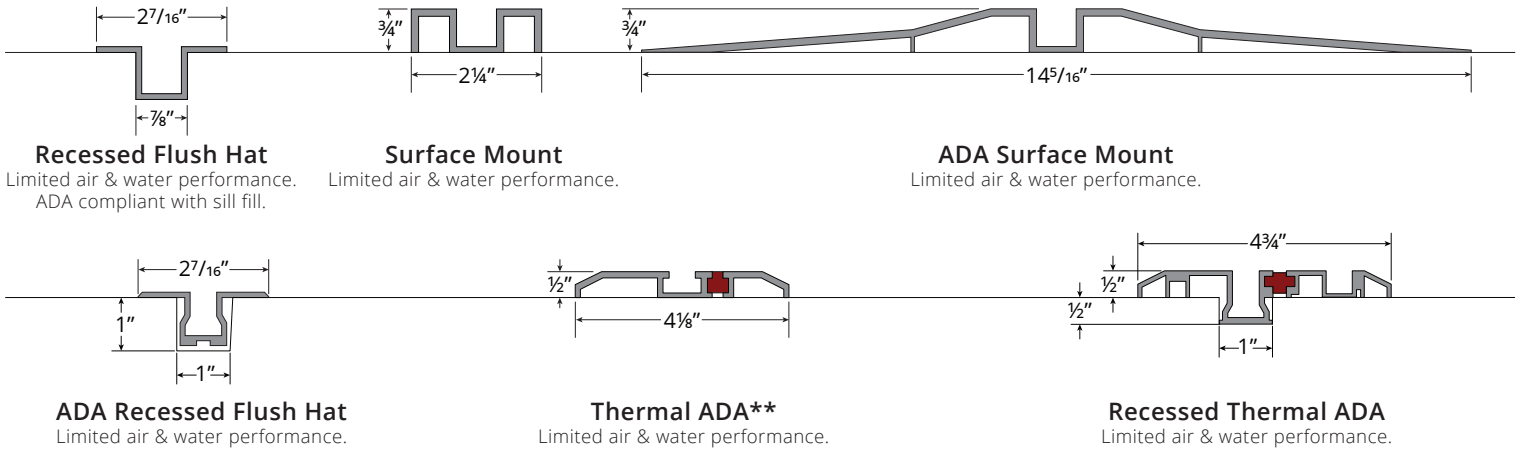
Folding Glass Wall Sill Type	Application	Top Load	Bottom Load	Recessed	Surface Mount	ADA Compliant	Florida Impact Tested	Water Performance	Max. Panel Height	Max. Frame Width	Max. Header Deflection	
G2 System												
	G2 Recessed with Ramps	Interior or Exterior	Yes	Yes	Yes	No	Yes, with Sill Fill	Yes	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	1/4"

*Limited air and water performance similar to a commercial door

G2 TOP & BOTTOM LOAD SILLS



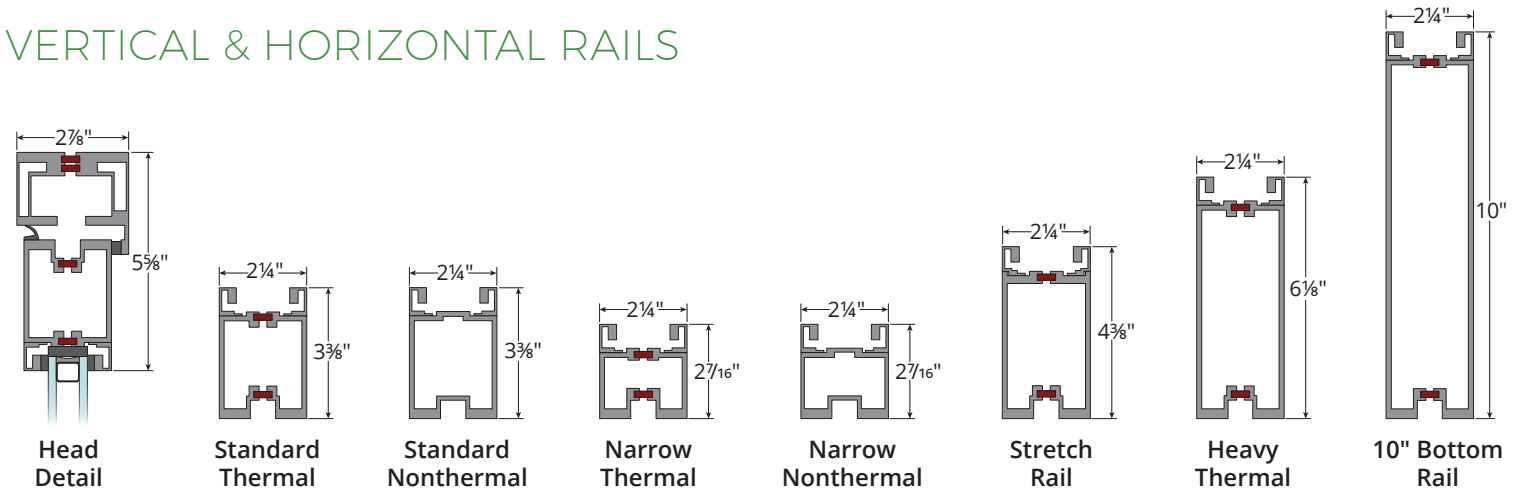
TOP LOAD ONLY SILLS



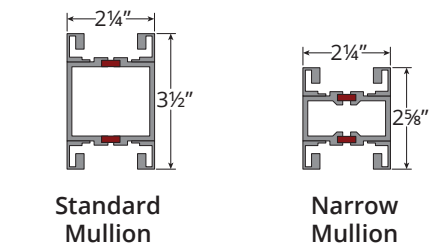
Note: Center Pivot Folding Glass Walls will get limited air and water performance.

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

VERTICAL & HORIZONTAL RAILS

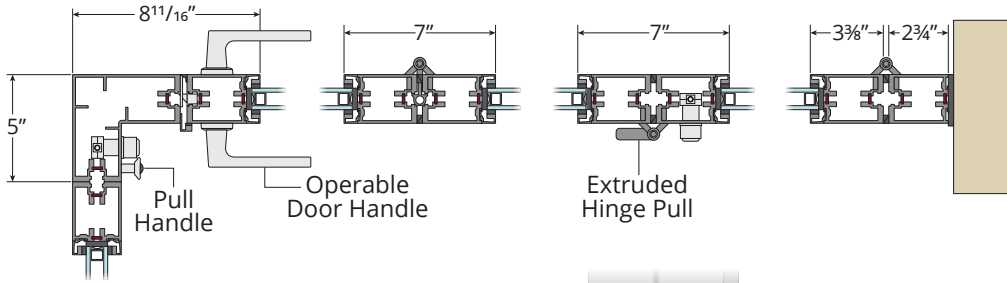


MULLIONS (True Divided Lites)



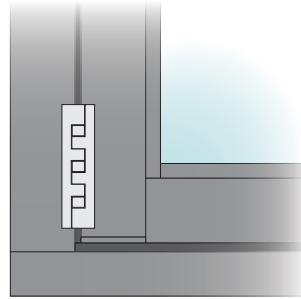
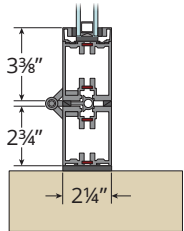
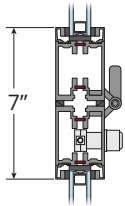
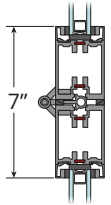
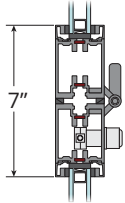
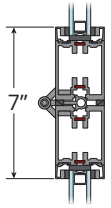
Please note: All mullions offered by Solar Innovations® include thermal break, regardless of the system.

JAMB DETAILS

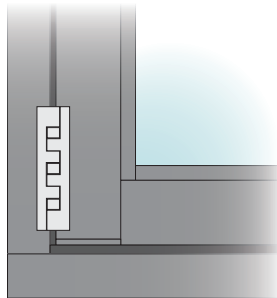


G2 Outfold: Odd number of panels on both sides

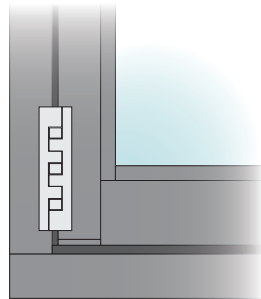
INTERIOR



Regular G2 Jamb & Frame



Narrow G2 Jamb & Regular G2 Frame

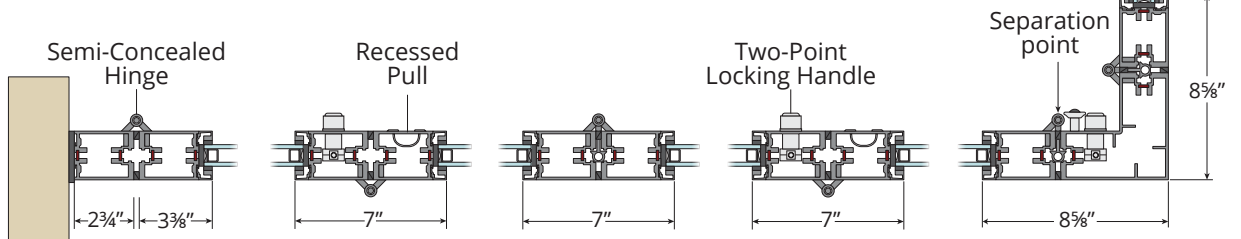
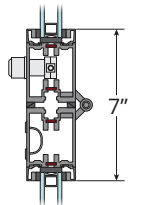
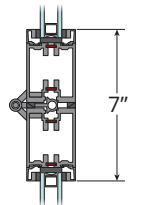
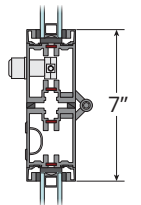
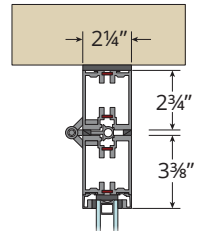


Narrow G2 Jamb & Frame

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

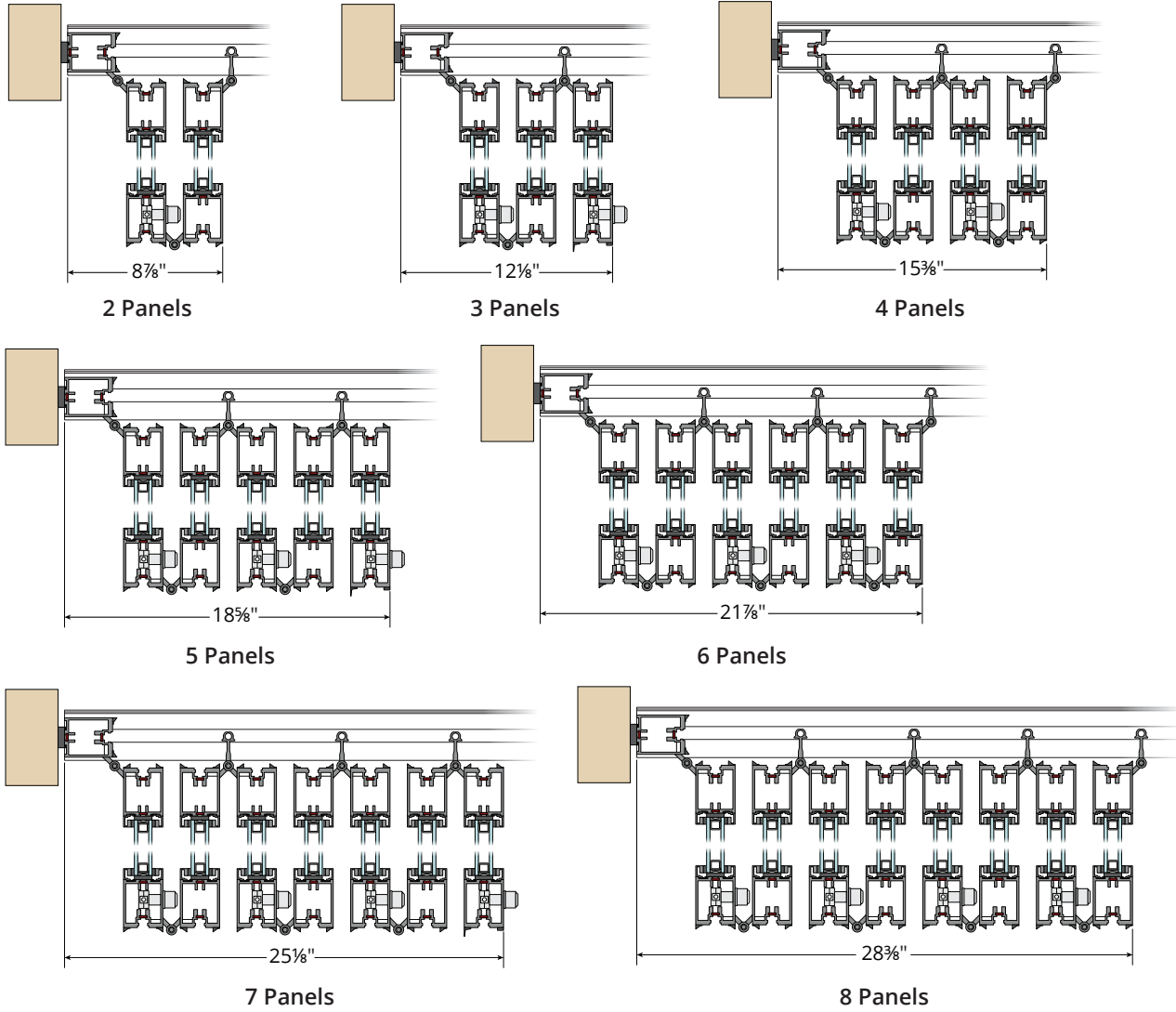
G2 Infold: Even number of panels on both sides

INTERIOR



STACKED WALL DIMENSIONS

Standard Jamb. Subtract $1\frac{5}{16}$ " for Narrow Jamb.



TESTING

G2 No Corner Post Folding Glass Wall Impact Testing

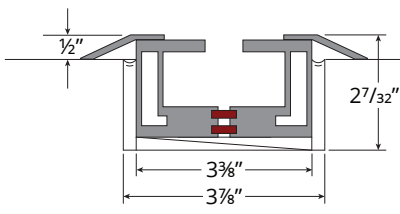
Certification	Description	Panel Size	Number of Panels	Design Pressure	Water Penetration	Glass Selection	HVHZ Approved
12278.1	G2 Regular Infold	36" X 96"	Unlimited	Max ± 80 psf	Standard Sill: 9psf Recessed Flush Sill: 9psf	1" IGU ($\frac{3}{16}$ " Tempered over $\frac{7}{16}$ " Annealed Laminated (.090 SGP) 1 $\frac{1}{16}$ " IGU ($\frac{3}{16}$ " Tempered over $\frac{7}{16}$ " Annealed Laminated (.090 SGP) Monolithic $\frac{7}{16}$ " Annealed Laminated (.090 SPG)	Yes

G2 No Corner Post Folding Glass Wall STC & OITC Ratings

Report	Description	Sill	Glazing Thickness	Glazing Makeup	STC	OITC
F3179.01	G2 Reg Thermal	Standard	1 $\frac{1}{8}$ "	$\frac{1}{4}$ " Lami w/ .030 Acoustical Interlayer, $\frac{1}{2}$ " Air, $\frac{3}{8}$ " Lami w/ .030 Acoustical Interlayer	39	32
F3179.02	G2 Reg Thermal	Recessed Flush or Recessed Ramp	1 $\frac{1}{8}$ "	$\frac{1}{4}$ " Lami w/ .030 Acoustical Interlayer, $\frac{1}{2}$ " Air, $\frac{3}{8}$ " Lami w/ .030 Acoustical Interlayer	34	29

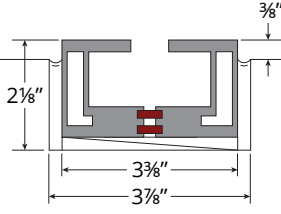
For more testing information visit our website at solarinnovations.com/information/testing

G3 TOP & BOTTOM LOAD SILLS



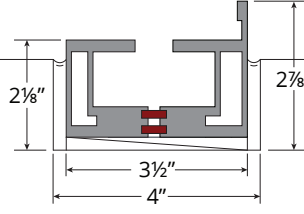
Recessed with Ramps*

Limited air & water performance similar to commercial door because of tank.
ADA compliant with sill fill.



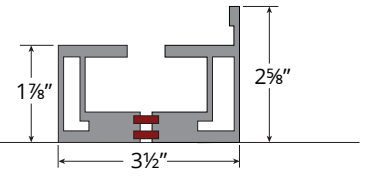
Recessed Flush*

Water: 9psf.
ADA compliant with sill fill.



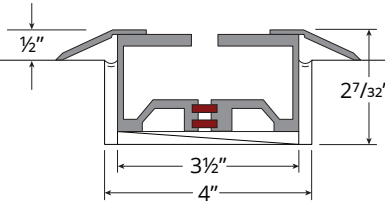
Recessed Standard*

Water: 12psf out-fold,
9psf in-fold.



Standard*

Water: 12psf out-fold,
9psf in-fold.

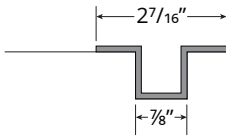


G3 Stepped

Limited air & water performance similar to commercial door because of tank.
ADA compliant.

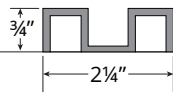
*Florida Impact Tested Options

TOP LOAD ONLY SILLS



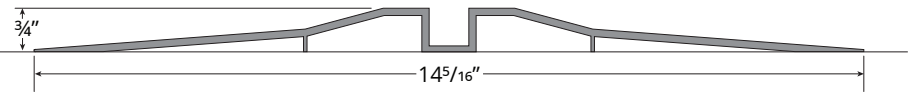
Recessed Flush Hat

Limited air & water performance.
ADA compliant with sill fill.



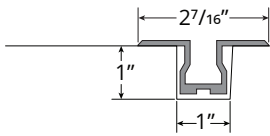
Surface Mount

Limited air & water performance.



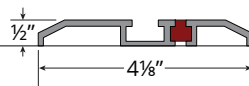
ADA Surface Mount

Limited air & water performance.



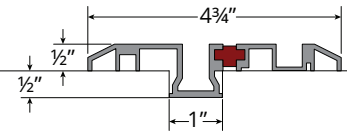
ADA Recessed Flush Hat

Limited air & water performance.



Thermal ADA**

Limited air & water performance.



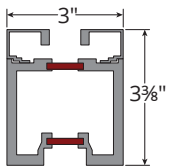
Recessed Thermal ADA

Limited air & water performance.

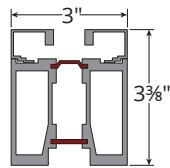
Note: Center Pivot Folding Glass Walls will get limited air and water performance.

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

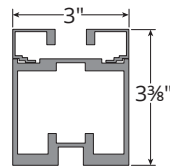
VERTICAL & HORIZONTAL RAILS



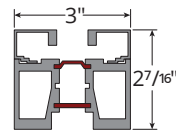
Standard Thermal



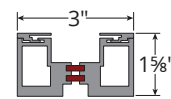
LT Thermal



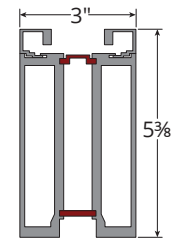
LT Nonthermal



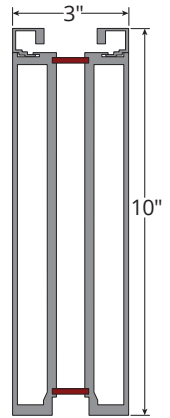
LT Narrow Thermal



Extra Narrow Thermal (Vertical)

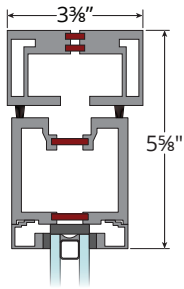


Stretch Rail

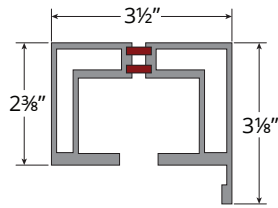


10" Bottom Rail

HEADS



Standard Head & Frame Detail

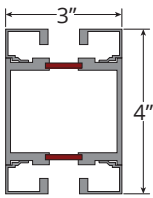


1 1/2" Dual Wheel Head

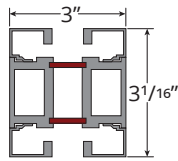


MULLIONS

(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

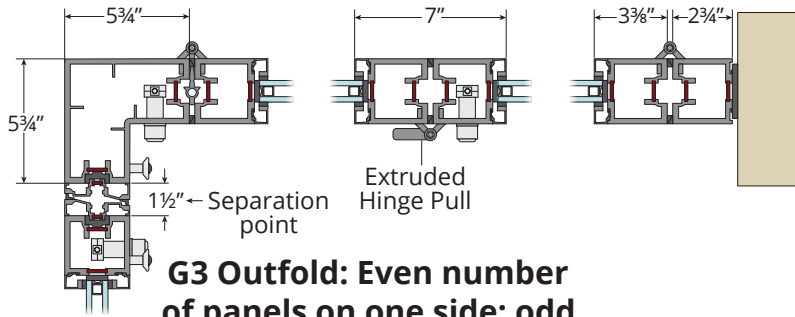
Certification	Description	Panel Size	Number of Panels	Design Pressure	Water Penetration	Glass Selection	HVHZ Approved
13407.2	G3 Reg Infold w Flush Sill	42" x 114"	Unlimited	Max ±55psf	Recessed Flush Sill: 9psf	1" IGU (3/16" Tempered over 7/16" Annealed Laminated (.090 SGP) Monolithic 7/16" Annealed 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 & OITC Ratings

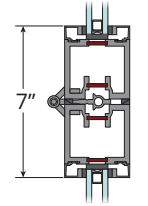
Report	Description	Sill	Glazing Thickness	Glazing Makeup	STC	OITC
F3184.01	G3 LT Thermal	Standard	1 1/8"	1/4" Lami w/ .030 Acoustical Interlayer, 1/2" Air, 3/8" Lami w/ .030 Acoustical Interlayer	39	32
F3184.02	G3 LT Thermal	Recessed Flush or Recessed Ramp	1 1/8"	1/4" Lami w/ .030 Acoustical Interlayer, 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

For more testing information visit our website at solarinnovations.com/information/testing

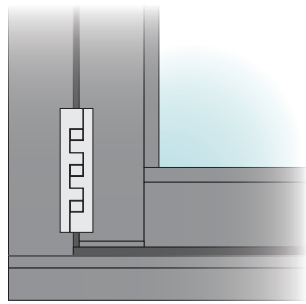
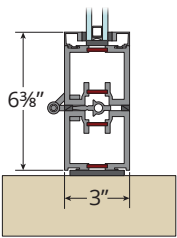
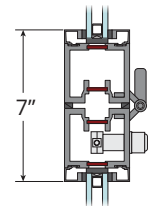
JAMB DETAILS



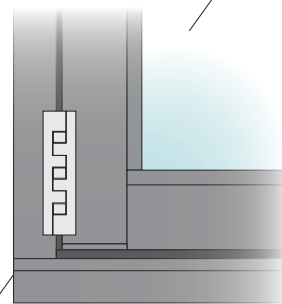
G3 Outfold: Even number of panels on one side; odd number on the other side



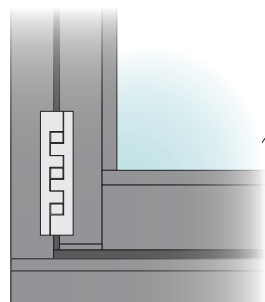
INTERIOR



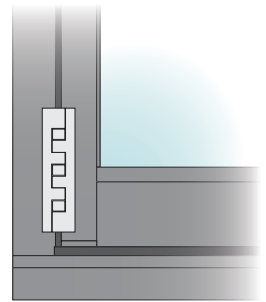
Standard G3 Jamb & Frame



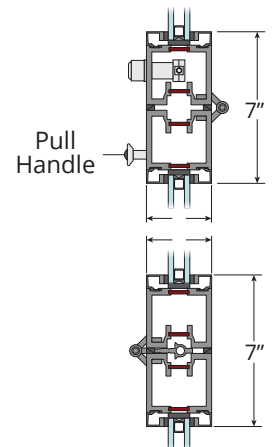
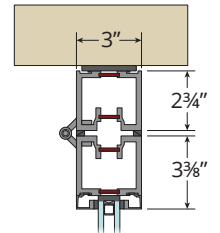
Narrow G3 Jamb & Standard G3 Frame



Narrow G3 Jamb & Frame



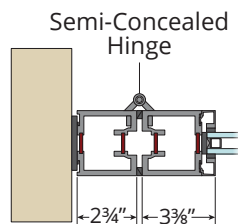
Extra Narrow G3 Panel and G3LT Narrow Jamb Frame



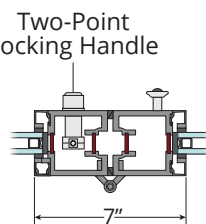
Top and bottom horizontals unable to utilize narrow or extra narrow framing. Options dependent upon desired size and engineering requirements.

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

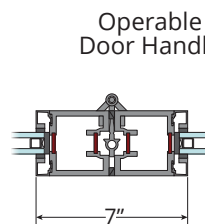
INTERIOR



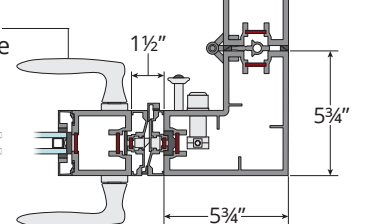
Semi-Concealed Hinge



Two-Point Locking Handle

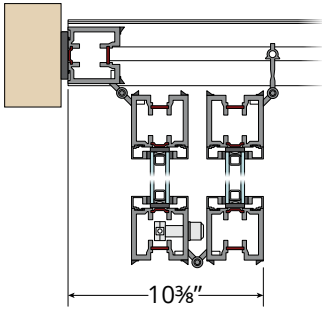


Operable Door Handle

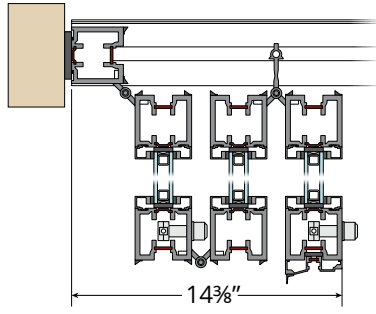


STACKED WALL DIMENSIONS

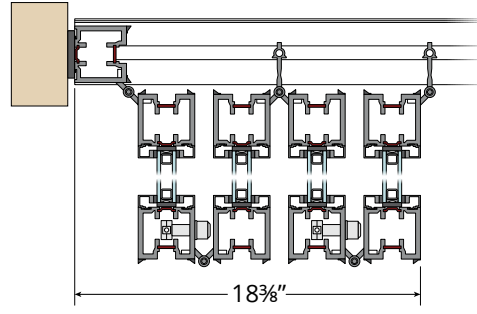
Standard Jamb. Subtract $\frac{15}{16}$ " for Narrow Jamb.



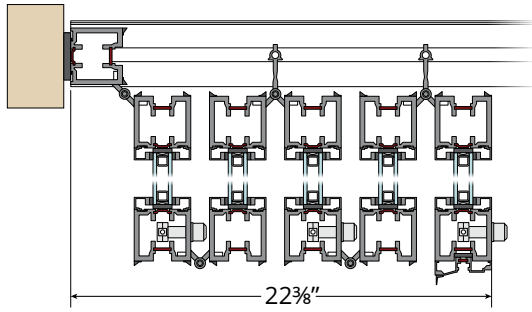
2 Panels



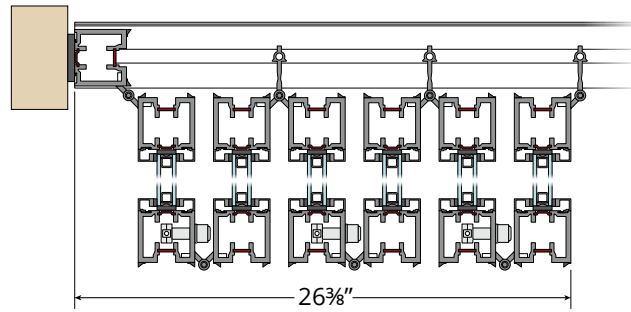
3 Panels



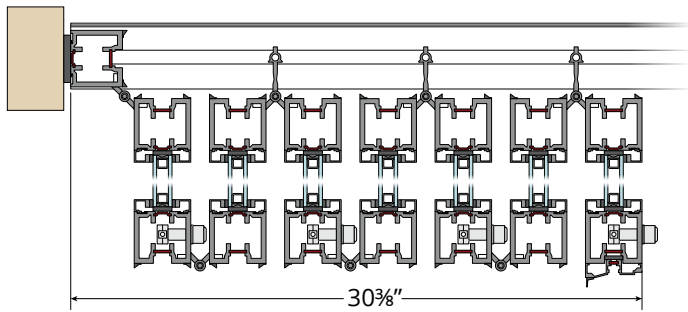
4 Panels



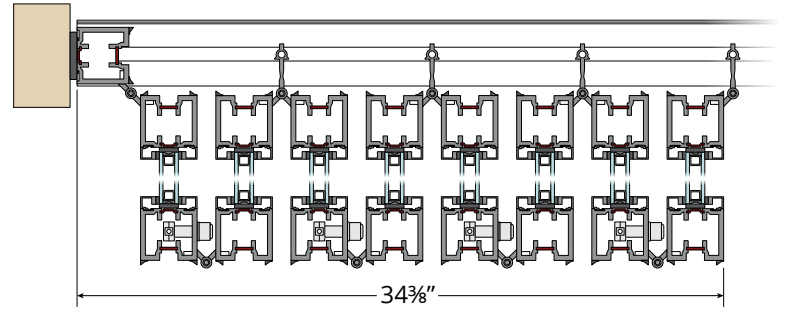
5 Panels



6 Panels



7 Panels



8 Panels