

MARINE GLAZED (EXTRA NARROW) FOLDING GLASS WALL SYSTEMS



The narrowest stiles in the industry

Our G3 Marine Glazed (Extra Narrow) Folding Glass Wall System optimizes the view of the outdoors by minimizing the width of the vertical stiles. Its patented design combines vertical marine glazing with horizontal stop glazing to create a much narrower vertical frame than conventional stop-glazed doors. The G3 Marine Glazed (Extra Narrow) System is the narrowest four-sided thermally broken glazed bi-fold door on the market.



FEATURES

OPERATION:

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

FRAMING:

- Aluminum or wood
- Frame width: 1½"
- Up to 3' x 12' 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 ¾" to 1¾"

PERFORMANCE:

- Air and water tested options

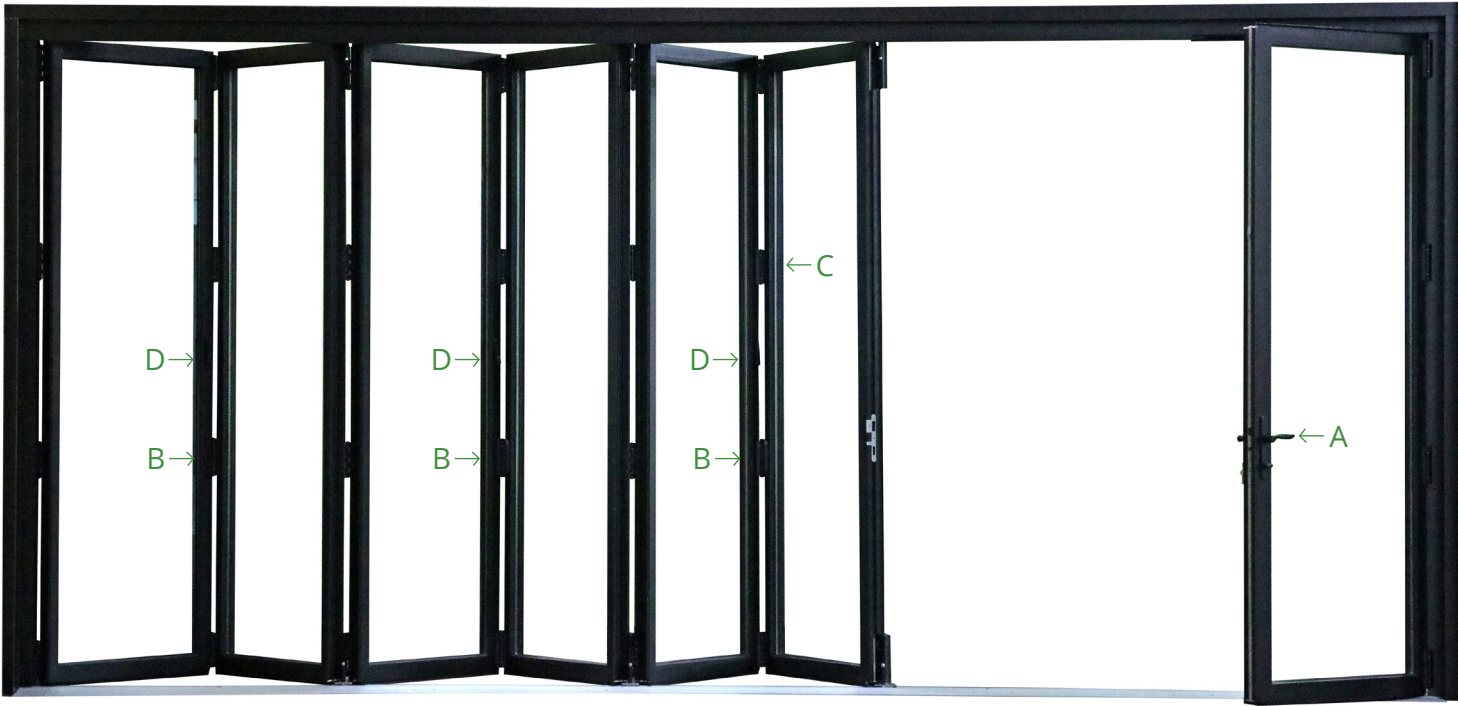
FINISHES:

- 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*



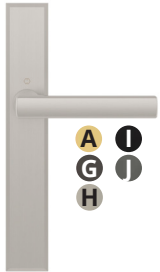
Toronto
Standard

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

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


*Coastal applications are only available with select finish options.

ALUMINUM— INLAND APPLICATIONS



Frankfurt

Pure White
Pure Silver



London

ZAMAC/BRASS — INLAND APPLICATIONS (G2 ONLY)



Allegro

Satin Chrome
Polished Chrome*
Polished Brass



Torino

Antique Brass
Oil Rubbed Bronze
Dark Bronze PC



Venice

Black PC
White PC
Satin Nickel

* Not available for Torino

Dark Bronze
Pewter

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.

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
Wire Pulls**




**Push Only
Wire Pulls**


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 for additional product information.

Passive Hardware Sets



**Square
Commercial**



Toronto

Panels

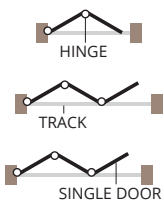
- Minimum panel width: 24"; smaller panels may be available based upon engineering approval
- Panel size up to 3' x 12'; larger panel options may be available depending on application

Glazing

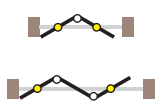
- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or 1" solid panel infill

CONFIGURATIONS/OPERATION

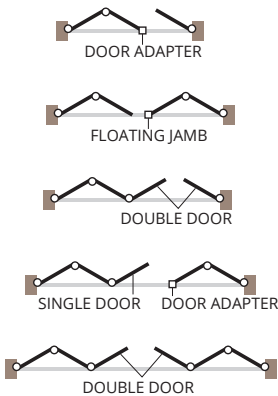
Single Direction (All Wall)



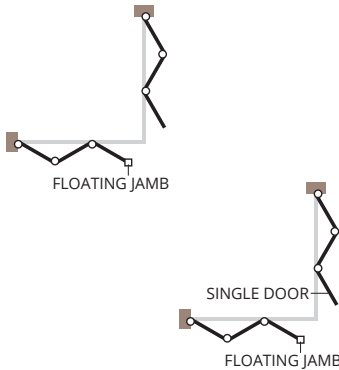
Center Pivot



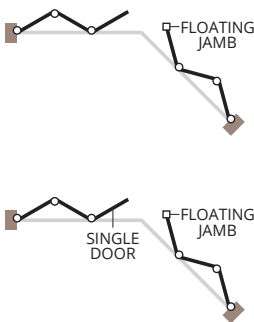
Split Wall



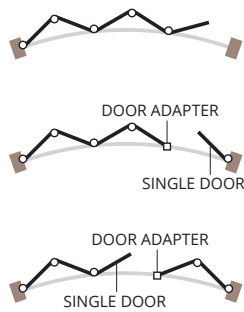
90 Degree No Post



135 Degree No Post

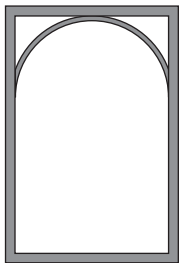


Segmented Radius

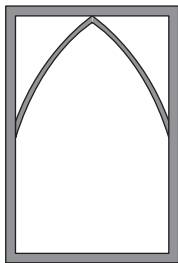


Custom configurations
available upon request.

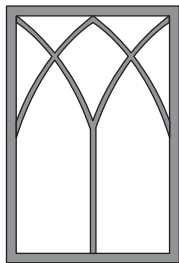
GRID OPTIONS



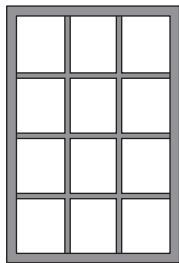
Arched Grid



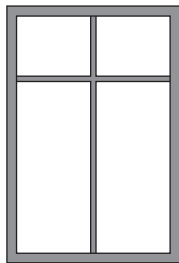
Gothic Grid



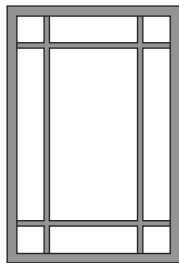
Double Gothic Grid



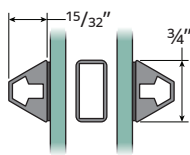
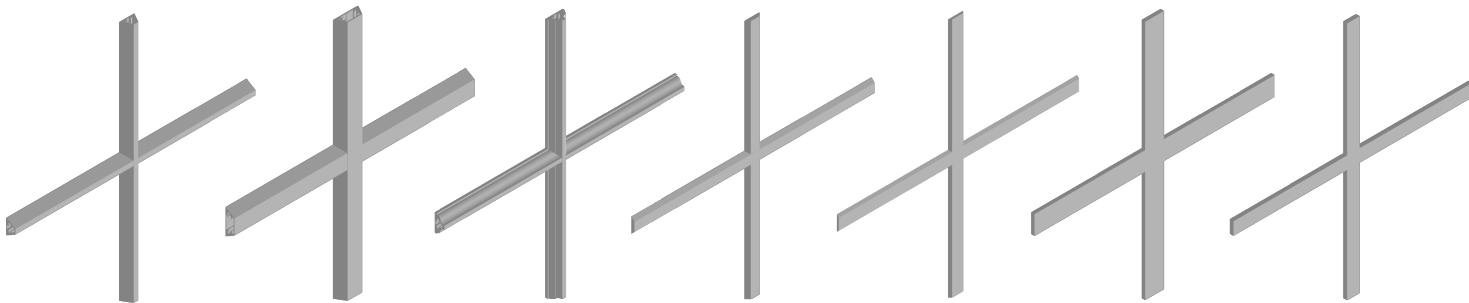
Traditional Grid



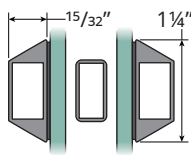
Cross Grid



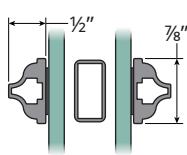
English Grid



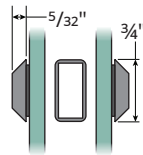
Traditional
with SDL



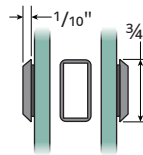
Wide
Traditional
with SDL



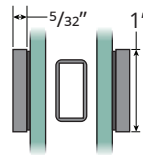
Ogee
with SDL



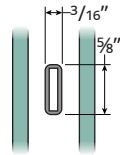
Low Profile
with SDL



Thin Low
Profile
with SDL

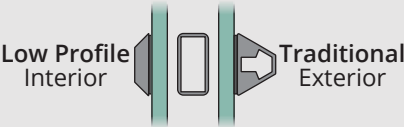


Simulated
Steel
with SDL




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.




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

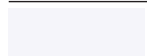


Bronze
FRML 97138




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

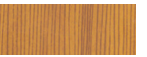


Bronze


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



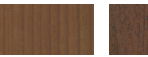
Cherry 1402
DS 716 Textured
DS 402 Smooth




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

Wood Veneering (Unfinished) PREMIUM*



White Pine



Pecan Pine



Cherry

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

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.

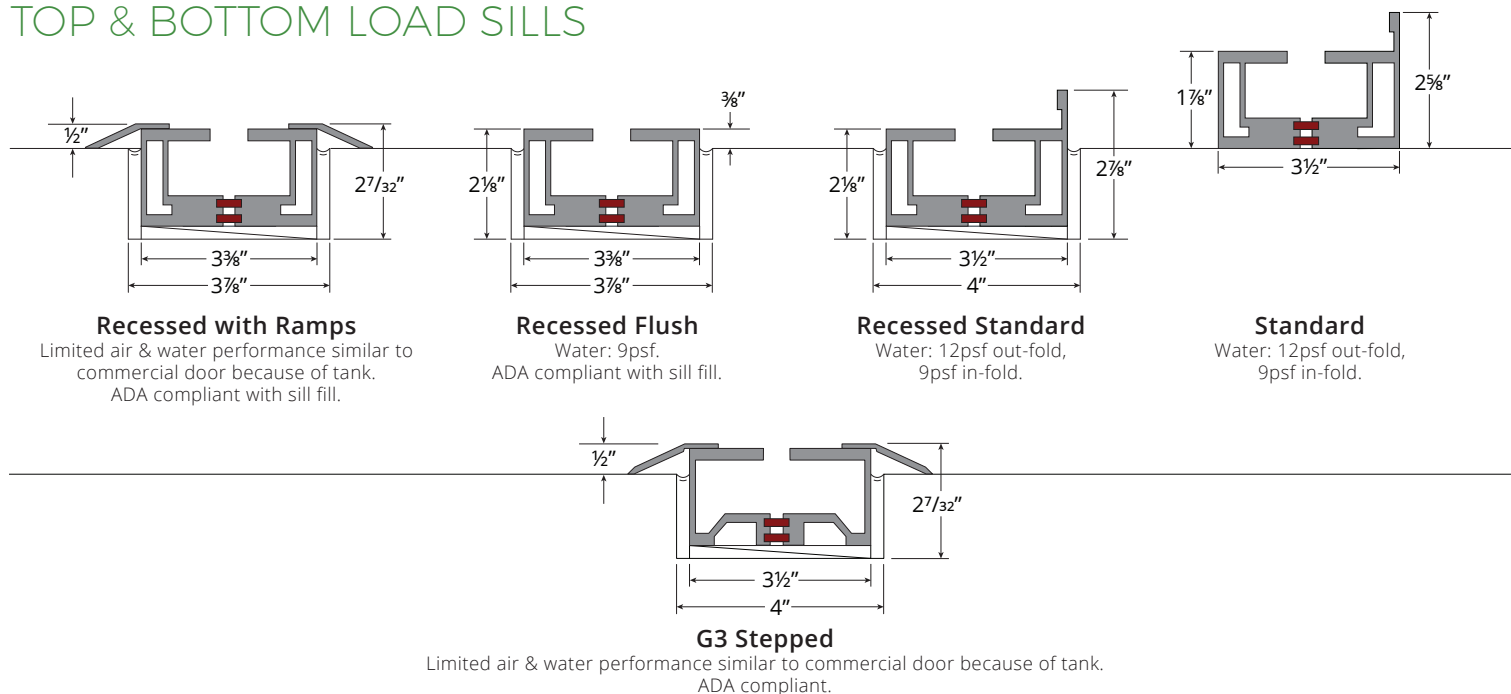
To find out more about the features and options of our folding glass walls, visit our website at solarinnovations.com/folding-glass-walls/ or contact one of our sales designers at 800 618 0669.

SILL COMPARISONS

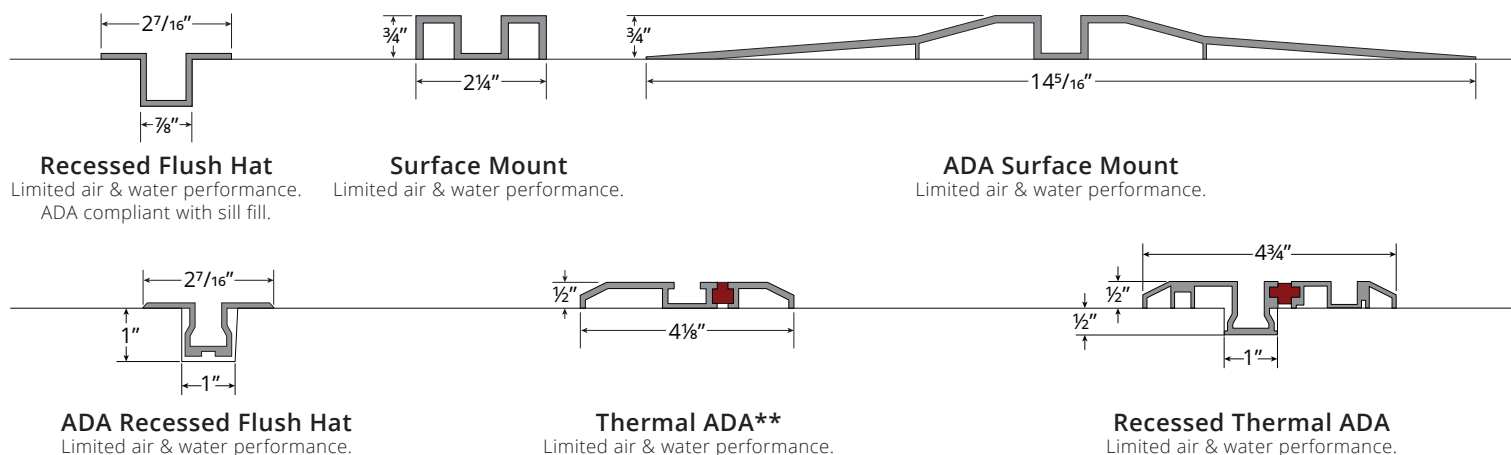
Folding Glass Wall Sill Type		Application	Top Load	Bottom Load	Recessed	Surface Mount	ADA Compliant	Water Performance	Max. Panel Height	Max. Frame Width	Max. Header Deflection
	G3 Recessed with Ramps	Interior or Exterior	Yes	Yes	Yes	No	Yes, with Sill Fill	Limited*	Varies	Varies	3/16"
	G3 Recessed Flush	Interior or Exterior	Yes	Yes	Yes	Yes	Yes, with Sill Fill	9psf	Varies	Varies	3/16"
	G3 Recessed Standard	Interior or Exterior	Yes	Yes	Yes	No	No	12psf Outfold 9psf Infold	Varies	Varies	3/16"
	G3 Standard	Interior or Exterior	Yes	Yes	No	Yes	No	12psf Outfold 9psf Infold	Varies	Varies	3/16"
	G3 Stepped with Ramps	Interior or Exterior	Yes	Yes	Yes	No	Yes	Limited*	Varies	Varies	3/16"
	Recessed Flush Hat	Interior or Exterior	Yes	No	Yes	No	Yes, with Sill Fill	Limited*	10' 6"	Varies	3/16"
	ADA Recessed Flush Hat	Interior or Exterior	Yes	No	Yes	No	Yes	Limited*	10'	Varies	3/16"
	Surface Mount	Interior or Exterior	Yes	No	No	Yes	No	Limited*	10' 6"	Varies	3/16"
	ADA Surface Mount	Interior or Exterior	Yes	No	No	Yes	Yes	Limited*	10' 6"	Varies	3/16"
	Thermal ADA	Interior or Exterior	Yes	No	No	Yes	Yes	Limited*	8'	16'	3/32"
	Recessed Thermal ADA	Interior or Exterior	Yes	No	Yes	No	Yes	Limited*	10'	Varies	1/4"

*Limited air and water performance similar to a commercial door

TOP & BOTTOM LOAD SILLS



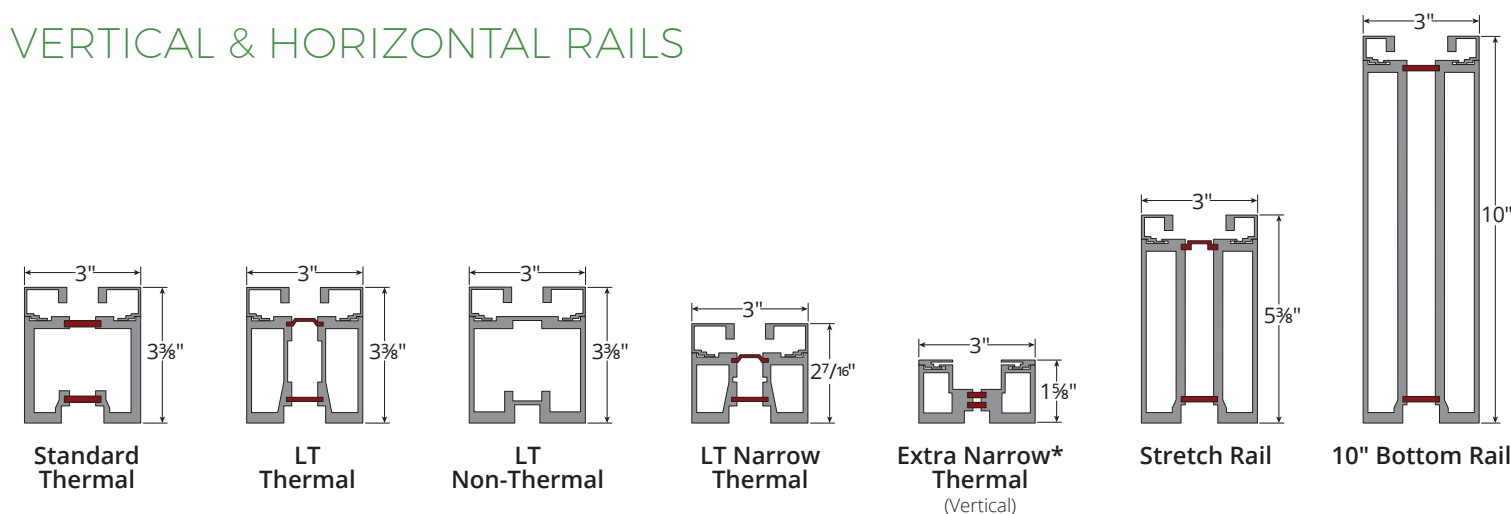
TOP LOAD ONLY SILLS



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

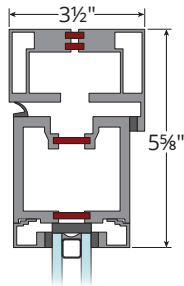
** 8' maximum panel height, 16' maximum frame width, 3/32" maximum allowable header deflection.

VERTICAL & HORIZONTAL RAILS

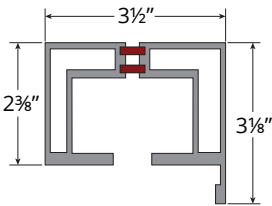


* Extra Narrow Thermal frames cannot support door hardware.

HEADS



Standard Head & Frame Detail

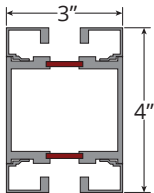


1 1/2" Dual Wheel Head

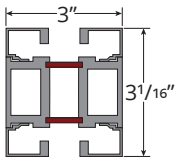
MULLION

(True Divided Lites)

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



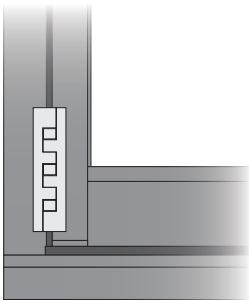
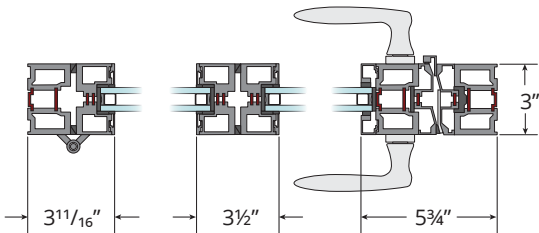
Standard Mullion



Narrow Mullion



JAMB DETAILS



Extra Narrow G3 Panel Vertical and G3LT Narrow Jamb Frame

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

STACKED WALL DIMENSIONS

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

