

PIVOT DOOR SYSTEMS



Turn the ordinary into the extraordinary.

The search for oversized doors can be difficult, but Solar Innovations® offers the perfect solution. Pivot doors are ideal for oversized openings in interior and light exterior applications. Rather than being hinged at the door jamb, these doors utilize pivot points in the head and sill of the opening. The pivot point is determined by the desired form and function of the door, with center and off-center pivot locations available. Pivot doors are equally suitable for residential and commercial applications. Another unique feature of this type of door is that the closers can be concealed within the floor, making the operation truly magical.

FEATURES

PANELS:

- Inswing or outswing
- Left, right, or center pivot
- Minimum 10" distance from center of pivot point to edge of either jamb*
- LEED friendly system including recycled content
- Designed and manufactured in the U.S.A.

PERFORMANCE:

- Thermally enhanced utilizing thermal strut
- Test results available upon request

GLAZING:

- Accommodates monolithic and insulated glazing infills from 3/16" to 1 9/16"

HARDWARE:

- Self actuating closers
- Panic hardware and door limiters available
- Multiple hardware styles and finishes

OPTIONS

FINISHES:

- Standard finishes
 - AAMA 2603: Bronze, White
 - AAMA 611 Class I Anodized: Clear, Dark Bronze
- 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

ACCESSORIES:

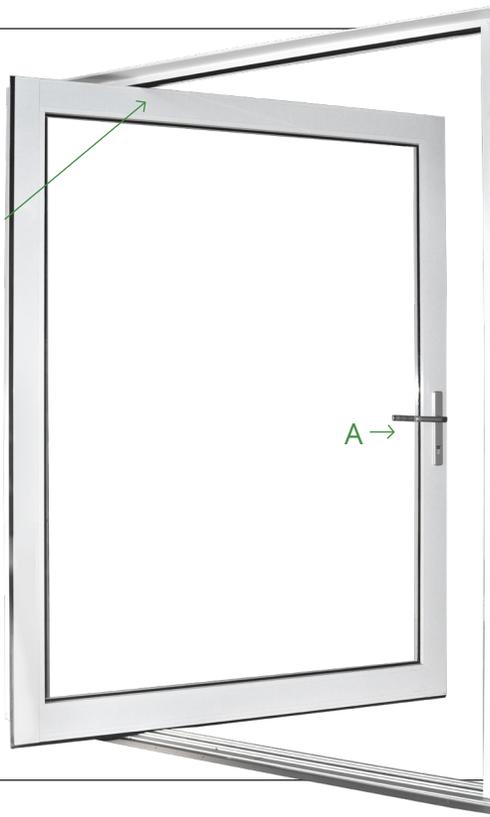
- Matching fixed transoms and sidelites
- Multiple sill designs, including ADA compliant ramps and sill-less options
- Mullions, decorative muntins, simulated divided lites (SDLs), interior & exterior grids

*Pivot locations for doors wider than 60" must be located further from the jamb at a location approximately 20% or greater than the width of the door panel.

HARDWARE



Adjustable Door Catch



A: Handles

SOLID BRASS — COASTAL APPLICATIONS*



Toronto
(Standard)



Atlanta



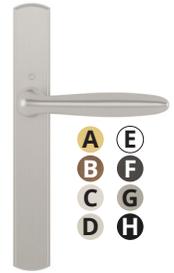
Dallas



München



Ródos



Verona

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



London

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

ZAMAC/BRASS — INLAND APPLICATIONS (G2 ONLY)



Allegro



Torino

- Satin Chrome**
- Antique Brass**
- Black PC**
- Polished Chrome***
- Oil Rubbed Bronze**
- White PC**
- Polished Brass**
- 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.

Locks



**Two Point
Locking
Handle
Non-Keyed**



**Two Point
Keyed Lock**



**Thumb Turn
Lock**



**Recessed
Pull**



**Low
Profile
Handle**

Pull Hardware

Architectural Door Pulls



GeoMetek



BandWidth



MegaCurve

Pull Hardware, Hinge, and Lock Finish Options



SI White



SI Bronze



Class I Clear Anodized



Dark Bronze Anodized

Custom color options are also available.

Closers & Catch



**R Series 370
Floor Closer
(up to 500 lbs.)**



**D Series BTS80
Floor Closer
(up to 660 lbs.)**



**R Series H28S
Floor Closer
(up to 1,000 lbs.)**



**Adjustable
Door Catch**



SI White



SI Bronze



Class I Clear Anodized



Dark Bronze Anodized

Door Closer Finishes: Aluminum Painted, Bronze, Black

Commercial Panic Hardware



**Exterior
Entry Trim
SQUARE**



**Mortise
Panic**



Push/Pull



Wire Pulls

Push Only

Passive Hardware Sets



**Square
Commercial**



Toronto

Concealed vertical rod available on commercial panic hardware.

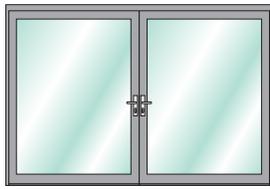
Please Note: All hardware is subject to vendor availability. Custom finishes may be available upon request at additional lead time and/or cost. Solar Innovations® reserves the right to discontinue any hardware option at any time. Please be sure to visit our website for additional product information: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

CONFIGURATION EXAMPLES

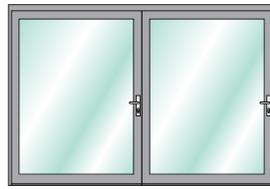
Additional configurations are available.



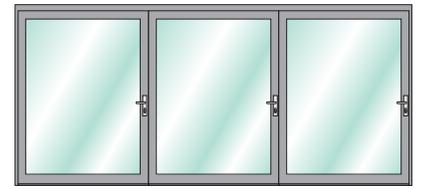
Single Door



French Door

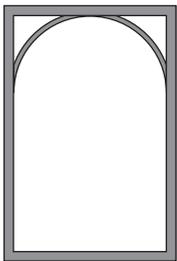


Double Door

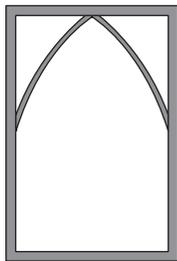


Center Pivot Triple Door

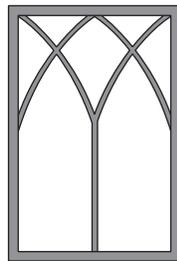
GRID OPTIONS



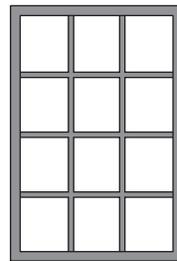
Arched Grid



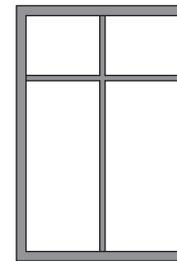
Gothic Grid



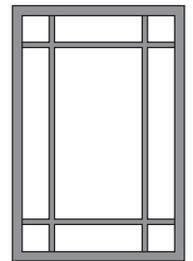
Double Gothic Grid



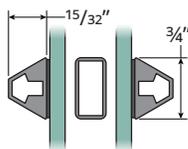
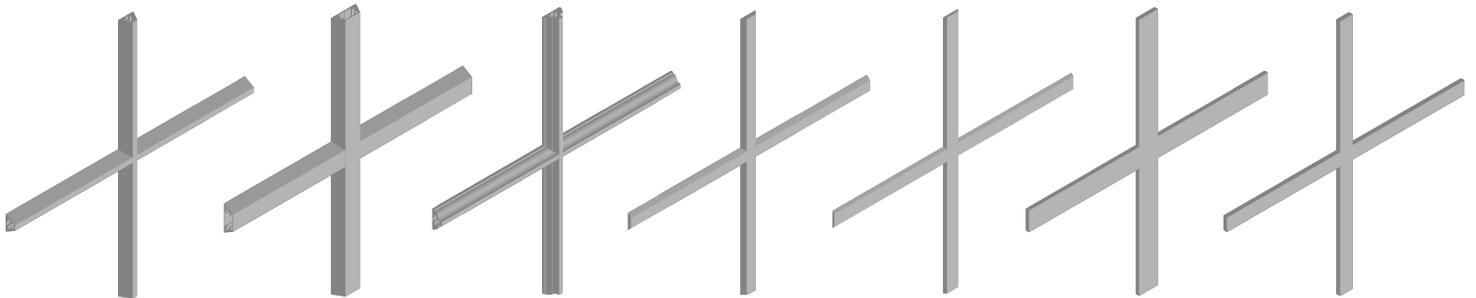
Traditional Grid



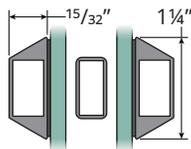
Cross Grid



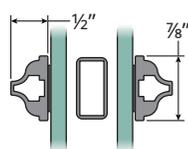
English Grid



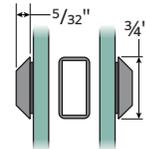
Traditional with SDL



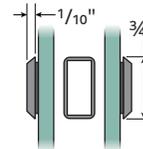
Wide Traditional with SDL



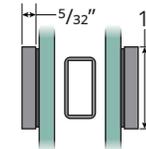
Ogee with SDL



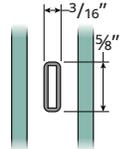
Low Profile with SDL



Thin Low Profile with SDL

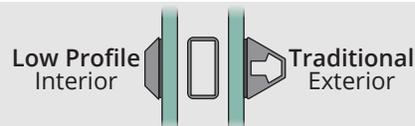


Simulated Steel with SDL



Interior Muntin in Insulated Glass

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



Low Profile Interior

Traditional Exterior

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.



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%

G2 PIVOT DOORS



G2 Thermal System

G2 Pivot Doors are a great way to open your environment to the outdoors. The frame uses a thermal strut system that separates the interior metal from the exterior metal. By including a thermal break, the temperature transfer between the outdoors and indoors is minimized.

The frames are available in two vertical stile widths: narrow and standard. To adhere to code requirements or for a different look, there are two bottom rail options: stretch and 10 inch. The doors can be retrofitted to match an existing opening or accommodate specific structural requirements.

Panels

- Panel size up to 5' x 10'; larger panel options may be available depending on application

G2 Non-Thermal System

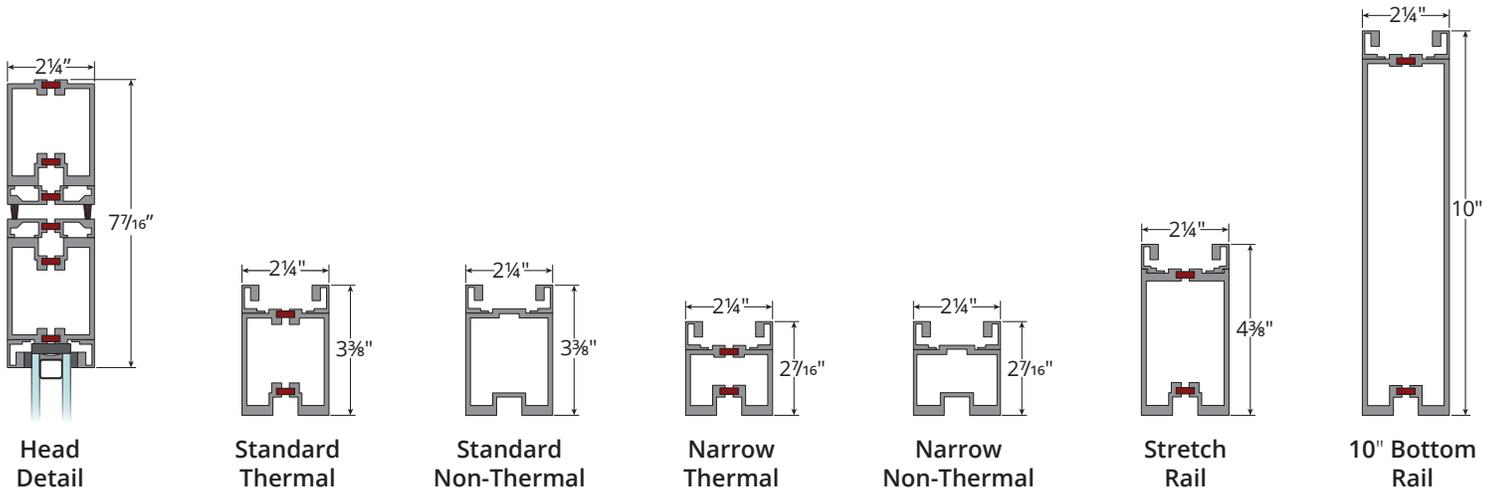
G2 Non-Thermal Pivot Doors are ideal for mild climates and indoor uses. When paired with other Pivot Doors, this system is popular for interior commercial entryways.

The frames are available in two vertical stile widths: narrow and standard. To adhere to code requirements or for a different look, there are two bottom rail options: stretch and 10 inch. The doors can be retrofitted to match an existing opening or accommodate specific structural requirements.

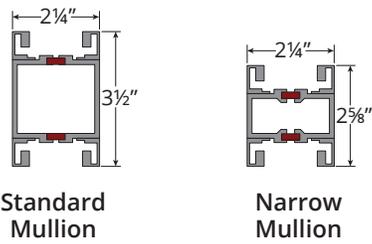
Glazing

- Designed to accommodate almost any monolithic or insulated glazing infill from $\frac{3}{16}$ " to $1\frac{1}{4}$ "

VERTICAL & HORIZONTAL RAILS

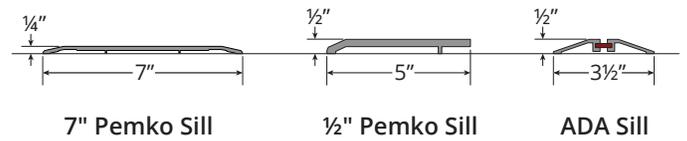


MULLIONS (True Divided Lites)



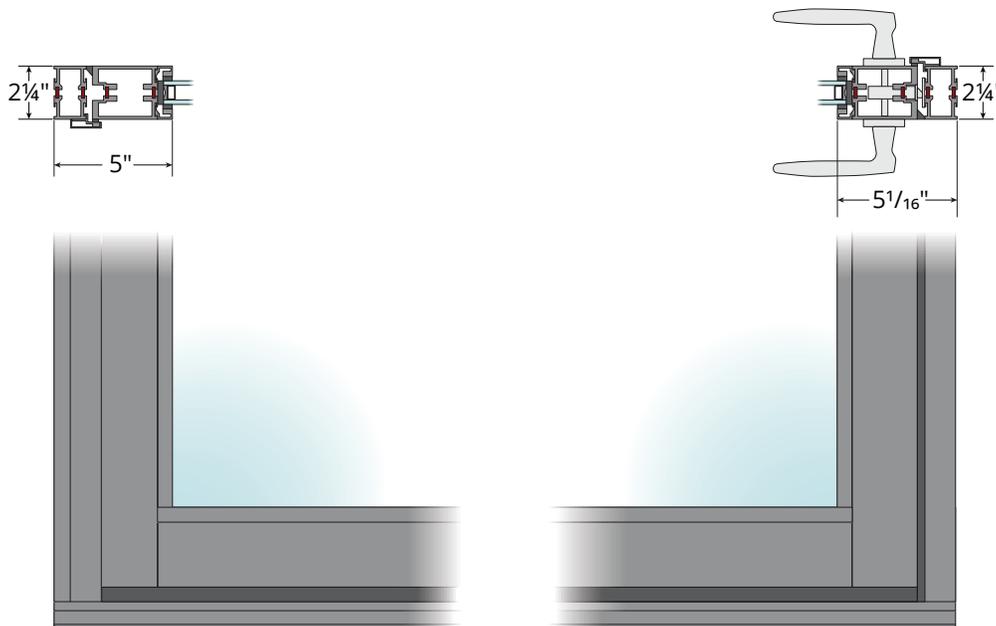
Please note: All mullions offered by Solar Innovations® include thermal break, regardless of the system.

SILLS*



*Sill-less option also available

JAMB DETAILS



Narrow G2 Jamb & Standard G2 Frame

G3 PIVOT DOORS



G3 Thermal System

G3 Pivot Doors are a great way to open your environment to the outdoors. The frame uses a thermal strut system that separates the interior metal from the exterior metal. By including a thermal break, the temperature transfer between the outdoors and indoors is minimized.

The frames are available in two vertical stile widths: narrow and standard. To adhere to code requirements or for a different look, there are two bottom rail options: stretch and 10 inch. The doors can be retrofitted to match an existing opening or accommodate specific structural requirements.

Panels

- Panel size up to 6' x 12'; larger panel options may be available depending on application

G3 Non-Thermal System

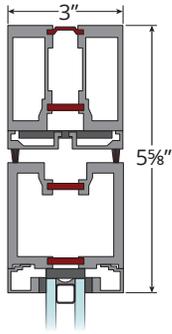
G3 Non-Thermal Pivot Doors are ideal for mild climates and indoor uses. When paired with other Pivot Doors, this system is popular for interior commercial entryways.

The frames are available in two vertical stile widths: narrow and standard. To adhere to code requirements or for a different look, there are two bottom rail options: stretch and 10 inch. The doors can be retrofitted to match an existing opening or accommodate specific structural requirements.

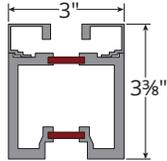
Glazing

- Designed to accommodate almost any monolithic or insulated glazing infill from $\frac{3}{16}$ " to $1\frac{9}{16}$ "

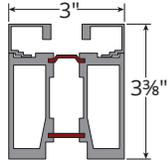
VERTICAL & HORIZONTAL RAILS



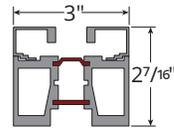
Head Detail



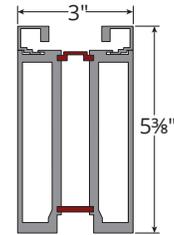
Standard Thermal



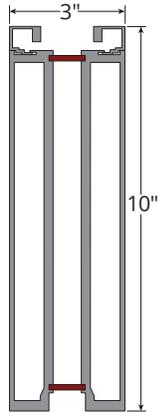
LT Thermal



Narrow Thermal



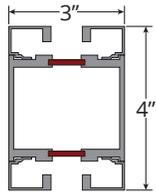
Stretch Rail



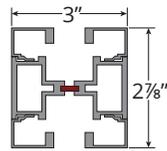
10" Bottom Rail

MULLIONS (True Divided Lites)

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

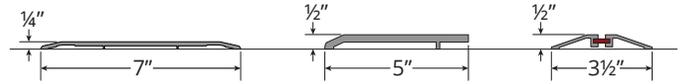


G3 Standard Mullion



G3 Narrow Mullion

SILLS*



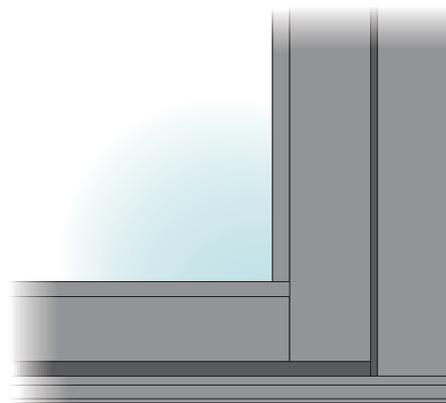
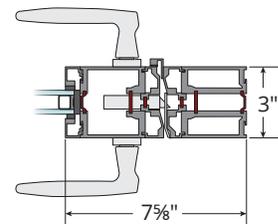
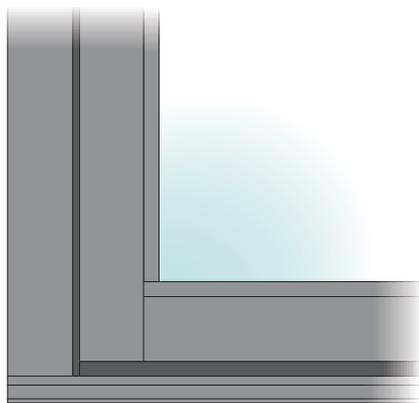
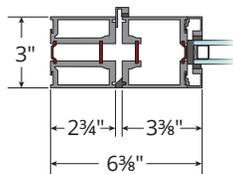
7" Pemko Sill

1/2" Pemko Sill

ADA Sill

*Sill-less option also available

JAMB DETAILS



G3LT Jamb & Standard G3 Frame

To find out more about the features and options of our pivot doors, visit our website at solarinnovations.com/pivot-doors/ or contact one of our sales representatives at 800 618 0669.