

SWING DOOR SYSTEMS



Versatile entrances for any application.

While swing doors may be one of the simplest and most common door systems, they should not be overlooked when designing and planning a residential space. Choose from a large offering of side-hinged swing door options, including terrace, French, and Dutch doors. With numerous custom decorative glazing options, finishes, matching sightlines, and transom options, these swing doors can fit any need. Depending on your preference, the doors can either blend in with the aesthetics of a surrounding structure, act as utilitarian entrances, or they can be the star of the show with the grandeur of a true entry door. Swing doors feature similar panel and hardware design as Solar Innovations® operable walls and structures, creating a consistent appearance throughout any project.

FEATURES

PANELS:

- Terrace, French or Dutch doors
- Inswing or outswing
- LEED friendly system including recycled content
- Designed and manufactured in the U.S.A.

PERFORMANCE:

- Thermally enhanced utilizing thermal strut or thermal fill & debridge
- Test results available upon request

GLAZING:

- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from 3/16" to 1 1/2"

HARDWARE:

- Zero-maintenance semi-concealed corrosion-proof extruded aluminum hinge with stainless steel pin
- Panic hardware, door limiters & door closers
- Multiple hardware styles & finishes
- Multi-point locking hardware for added security

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, & foiling options
 - Dual color or dual finish options

ACCESSORIES:

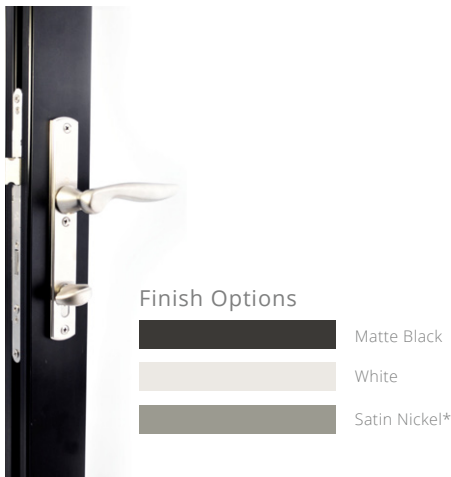
- Matching fixed transoms & sidelites
- Multiple sill designs, including ADA compliant ramp
- Factory machined weep slots, if required
- Mullions, decorative muntins, simulated divided lites (SDLs), interior & exterior grids
- Screen options: swinging, folding, sliding, retractable

HARDWARE

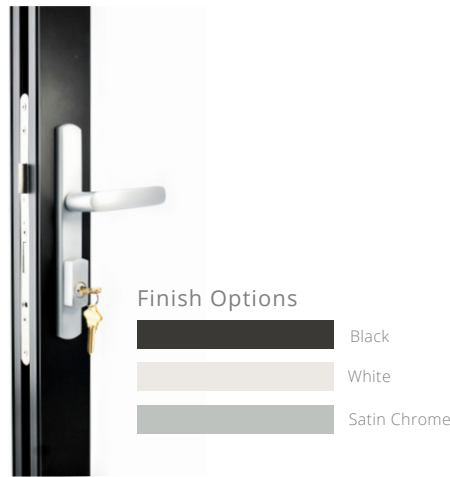


A: Handles

STANDARD OPTIONS

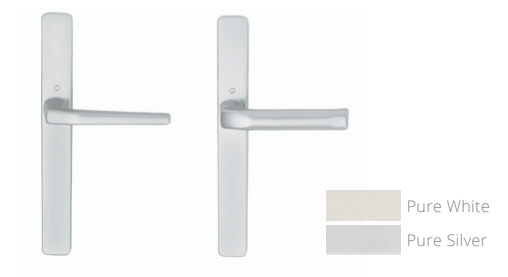


Toronto



Allegra

ALUMINUM - INLAND APPLICATIONS



Frankfurt

London

BRASS - INLAND APPLICATIONS



Capri

Venice

SOLID BRASS - COASTAL APPLICATIONS*



Ródos

Verona

München

New Orleans

Dallas

*Coastal applications are only available with select finish options.

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.

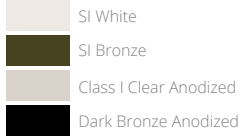
C: Hinges



Semi-Concealed Hinge



Surface Mount Hinge



D: Locks



Two Point Locking Handle



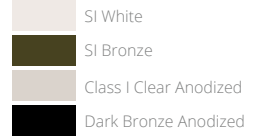
Two Point Keyed Lock



Thumbturn Lock



Standard Flush Bolt



Closer, Catch, & Limiter



D Series 7414 Door Closer



D Series TS93 Door Closer



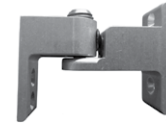
C Series PR82 Door Closer



D Series BTS80 Floor Closer



R Series H285 Floor Closer



Adjustable Door Catch



Door Limiter

Door Closer Finishes: Aluminum Painted, Bronze, Black

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

Commercial Panic Hardware Options



Exterior Entry Trim SQUARE



Mortise Panic

Concealed vertical rod available on commercial panic hardware.



Push/Pull



Wire Pulls

Push Only

Passive Hardware Sets



Square Commercial



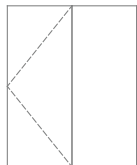
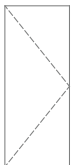
Toronto

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

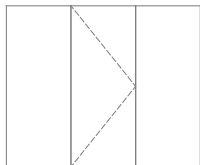
CONFIGURATIONS

Additional configurations are available.

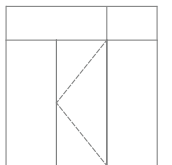
Terrace Door



w/ sidelite

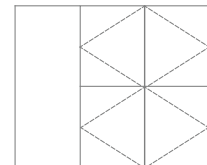
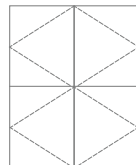
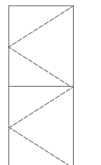


w/ sidelites

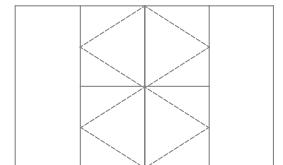


w/ sidelites & transom

Dutch Door

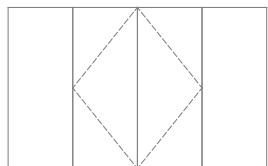
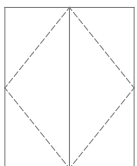


w/ sidelite

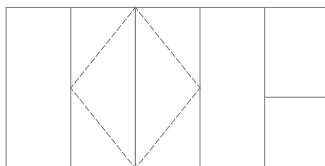


w/ sidelites

French Door



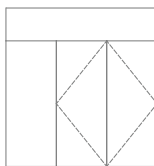
w/ sidelites



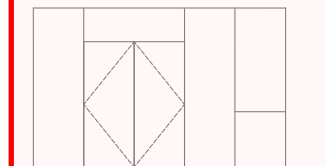
w/ sidelites



w/ transom



w/ sidelite & transom



w/ sidelites & transom

FINISH OPTIONS

Stock Finishes



SI White

SI Bronze

Class I Clear Anodized*

Dark Bronze Anodized*

Designer Finishes



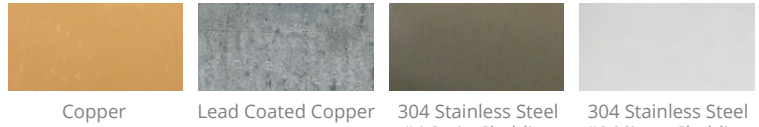
SI Black

SI Sandstone

SI Natural Clay

SI Hartford Green

Metal Cladding



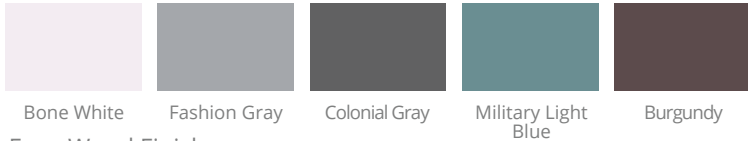
Copper

Lead Coated Copper

304 Stainless Steel #4 Satin Cladding

304 Stainless Steel #8 Mirror Cladding

Powder Coating Solids



Bone White

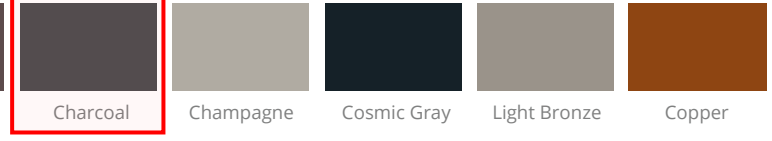
Fashion Gray

Colonial Gray

Military Light Blue

Burgundy

Powder Coating Metallics



Charcoal

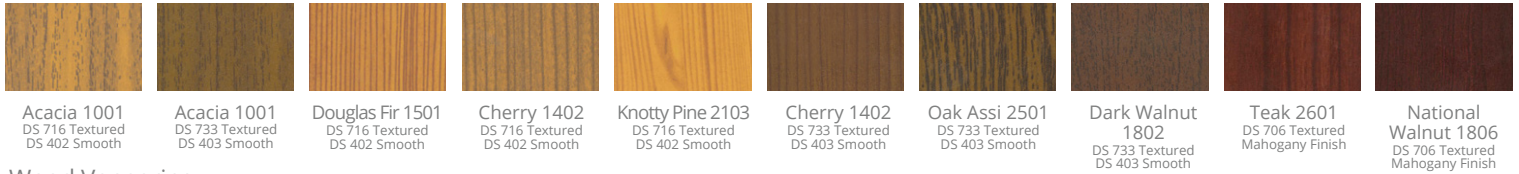
Champagne

Cosmic Gray

Light Bronze

Copper

Faux Wood Finishes



Acacia 1001
DS 716 Textured
DS 402 Smooth

Acacia 1001
DS 733 Textured
DS 403 Smooth

Douglas Fir 1501
DS 716 Textured
DS 402 Smooth

Cherry 1402
DS 716 Textured
DS 402 Smooth

Knotty Pine 2103
DS 716 Textured
DS 402 Smooth

Cherry 1402
DS 733 Textured
DS 403 Smooth

Oak Assi 2501
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)



White Oak

Birch

Sapele

Southern Yellow Pine

Northern White Pine

Red Oak

Spanish Cedar

Western Red Cedar

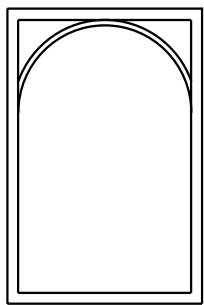
Douglas Fir

White Maple

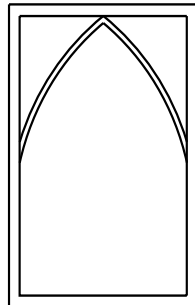
*Stock anodized finishes are available at an additional cost.

Please Note: Depending upon color selection, extra cost and lead times may apply for all finishes other than Solar Innovations® stock standards. Color illustrations are shown as accurate as standard photography and printing processes allow. Final finish selection should be made from a physical sample; please contact Solar Innovations® to receive samples. All 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 matches, are available; contact a Solar Innovations® sales designer for details.

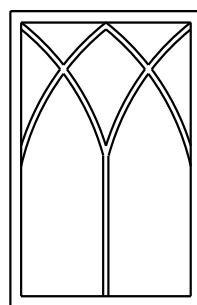
GRID OPTIONS



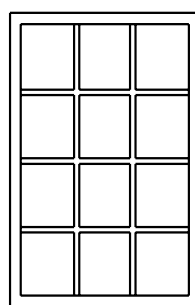
Arched Grid



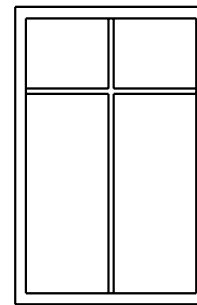
Gothic Grid



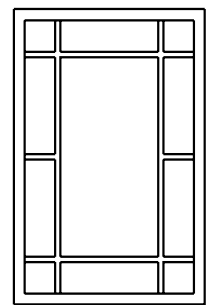
Double Gothic Grid



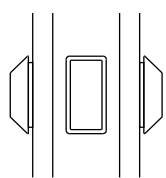
Traditional Grid



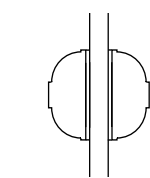
Cross Grid



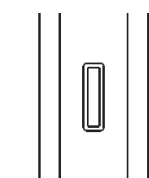
English Grid



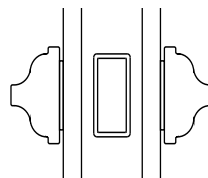
Low Profile Grid with SDL



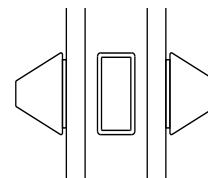
Colonial Grid Detail on Monolithic Glass



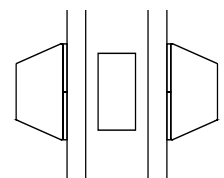
Interior Muntin Grid Detail on Insulated Glass



Ogee Grid with SDL



Traditional Grid with SDL



1 1/4" Traditional Grid with SDL

Low profile grids can be used on all systems. Colonial, Ogee, and Traditional grids cannot be used on sliding glass doors, windows, or walls. Please visit www.solarinnovations.com for additional decorative options.

G2 SWING DOORS



G2 Terrace & French Doors

Terrace Doors, or single swing doors, are a single panel opening used in both internal and external applications. The unique mulling capabilities allow modular construction and the seamless integration of transoms and sidelites into designs.

Terrace and French Doors can be either inswing or outswing and are acceptable for use in another Solar Innovations® system, another manufacturer's system, or nearly any rough opening. Both systems include thermal break, limiting the temperature transfer between the outdoors and indoors. Commercial systems can be ADA compliant and equipped with standard push/pull panic, kick panel hardware, and locking mechanisms.

G2 Dutch Doors

Dutch Doors, also known as split doors, barn-style doors, and stable doors, consist of two independent panel doors stacked atop one another. With Dutch-Style Doors, the top panel can be opened while the bottom panel remains closed, making them ideal for childcare facilities or any location with animals. Solar Innovations® Dutch Doors are available in Terrace and French Door configurations and can be designed for either inswing or outswing operation.

Solar Innovations® offers three Dutch Door styles:

- All Glass – The all glass option consists of glass infill in both panels, providing maximum sunlight for the room
- Glass and Solid Panel – A glass and full/solid panel door includes glass in the upper panel and a solid lower panel
- Solid Panel – Both panels are completely solid in a full panel Dutch Door

G2 Air and Structure Impact Testing

PANEL SIZE	AIR AT 1.57 PSF	AIR AT 6.24 PSF	WATER	DESIGN PRESSURE	UNIFORM LOAD	OVERLOAD	IMPACT & CYCLING
96" H x 36" W	0.03 cfm/ft ²	0.08 cfm/ft ²	6.0 PSF Based on Water Column	± 50 PSF	± 50 PSF	± 75 PSF	± 50 PSF

*Engineering evaluations required for larger openings

Panels

- Minimum panel size: 24" x 80"; smaller panels considered windows by code but may be available upon engineering approval
- Maximum panel size up to 3½' x 10'; larger panel options may be available depending on application

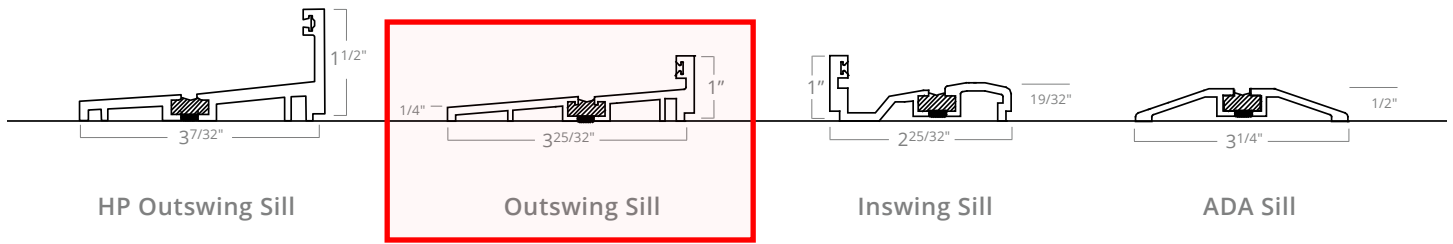
Glazing

- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from 3/16" to 1½"

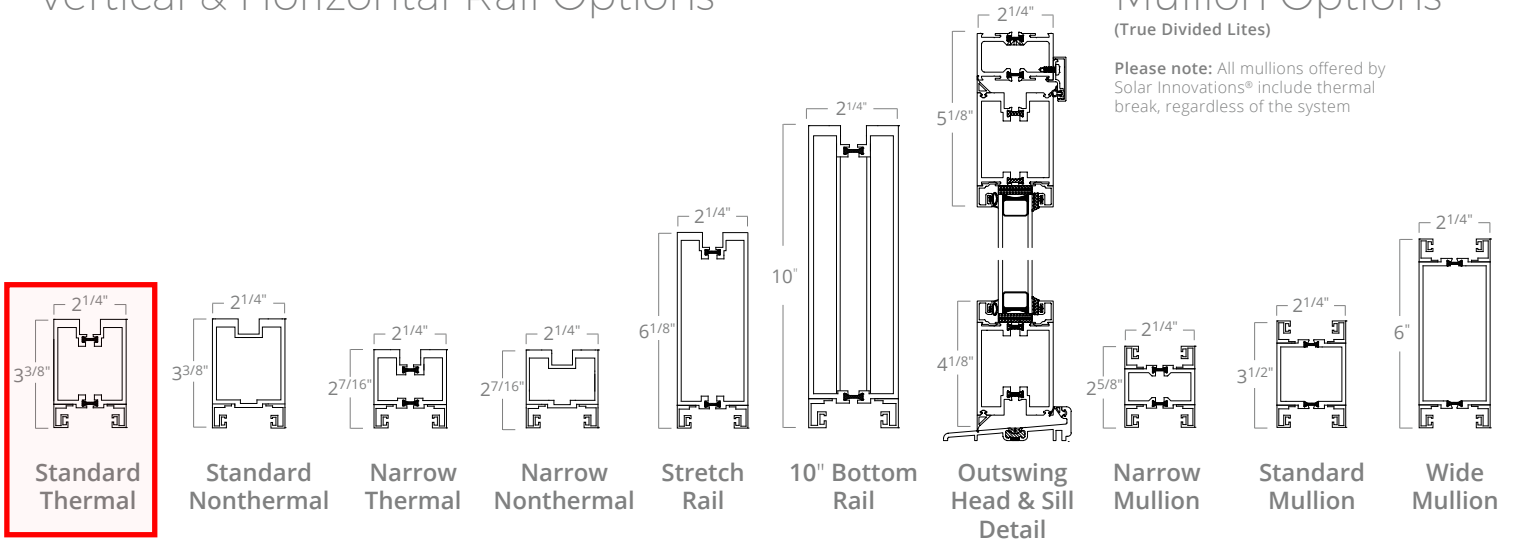
Performance

- Water performance up to 6.0 psf, depending on sill choice, configuration, and water column
- Structurally tested up to a design pressure of 50 psf
- Test results available upon request

Sill Options



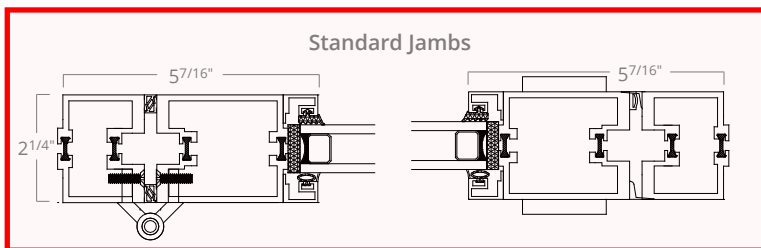
Vertical & Horizontal Rail Options



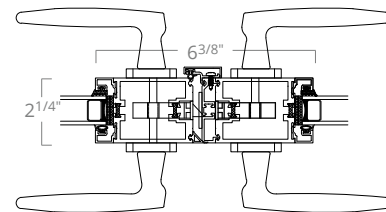
Mullion Options (True Divided Lites)

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

Jamb Details



French Door Meeting Rail Detail



Options dependent upon desired size and engineering requirements.



Learn More

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

G3 SWING DOORS



G3 Terrace & French Door

Both the G3 Terrace and French doors create a thermally-enhanced entrance to any home or business. They are ideal for commercial and residential applications where panels will exceed 48" x 96". The panel frame uses a thermal strut system that separates the interior and exterior metals. By including this thermal break, the temperature transfer between the outdoors and indoors is limited.

Commercial systems can be ADA compliant and equipped with standard push/pull hardware and locking mechanisms. Panic hardware and 10" bottom rail are also available upon request. Residential systems can include any of the commercial options and are also outfitted with multi-point locking hardware.

G3 Impact Terrace Door

The G3 Impact Terrace door is a thermally enhanced door ideal for commercial and residential applications. With all of the options of the G3 System, this option is simply for conditions that require high performance fenestration system.

G3 Dutch Door

Dutch Doors, also known as split doors, barn-style doors, and stable doors, consist of two independent panel doors stacked atop one another. With Dutch-Style Doors, the top panel can be opened while the bottom panel remains closed, making them ideal for childcare facilities or any location with animals. Solar Innovations® Dutch Doors are available in Terrace and French Door configurations and can be designed for either inswing or outswing operation.

G3 Air and Structure Impact Testing

PANEL SIZE	AIR AT 1.6 PSF HP Sill	AIR AT 1.6 PSF Standard Sill	WATER	DESIGN PRESSURE	STRUCTURAL LOAD
96" H x 36" W	0.09 cfm/ft ²	0.05 cfm/ft ²		± 40 PSF	± 80 PSF

*Engineering evaluations required for larger openings

Panels

- Minimum panel width: 24" x 80"; smaller panels considered windows by code but may be available upon engineering approval
- Panel size up to 5' x 15'; larger panel options may be available depending on application

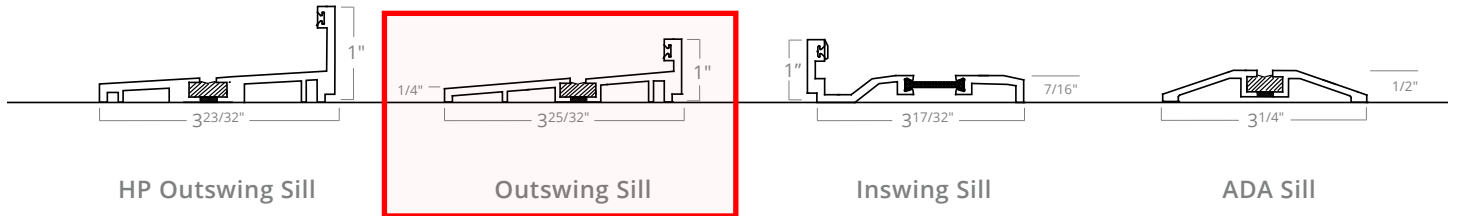
Glazing

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

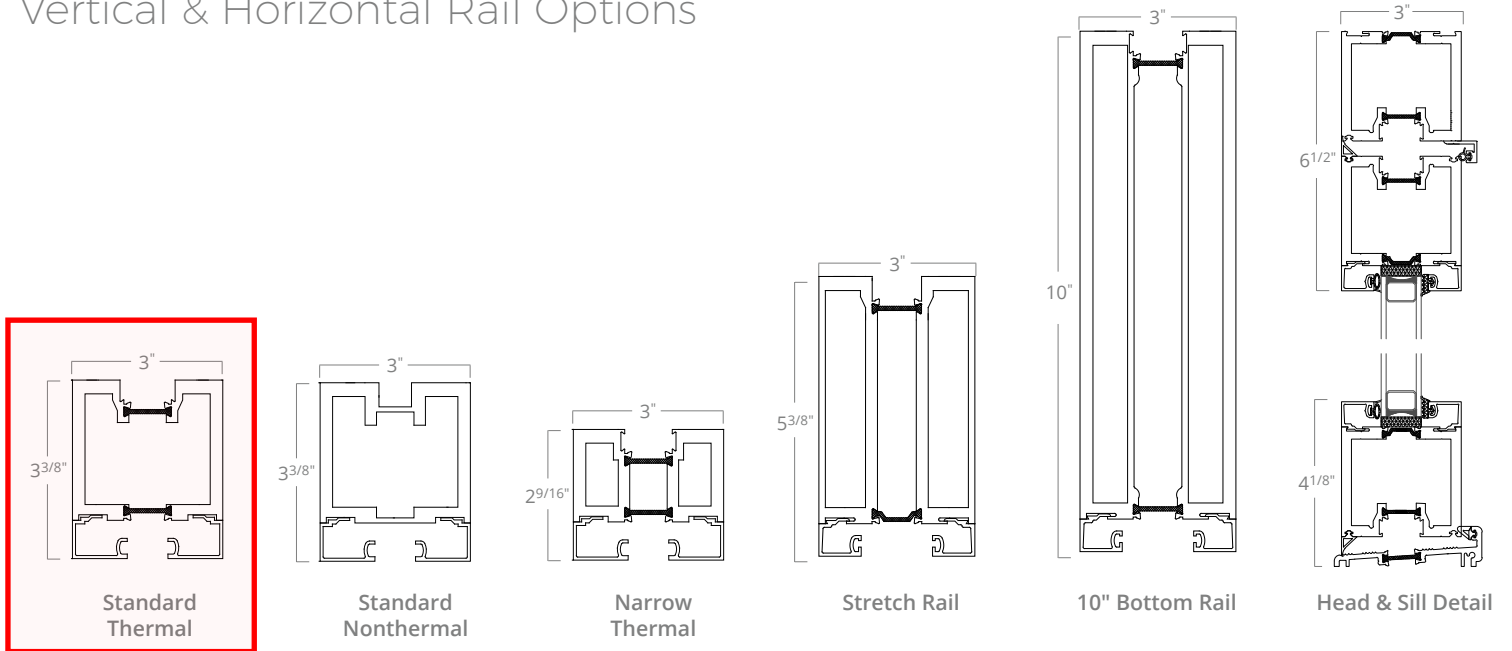
Performance

- Water performance up to 6 psf, depending on sill choice and configuration
- Structural tested up to a design pressure of 40 psf
- Higher water and structural performance available with engineering approval

Sill Options

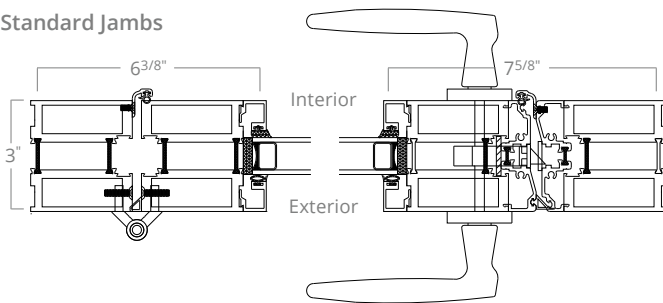


Vertical & Horizontal Rail Options

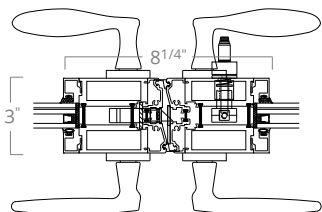


Jamb Details

Standard Jamb



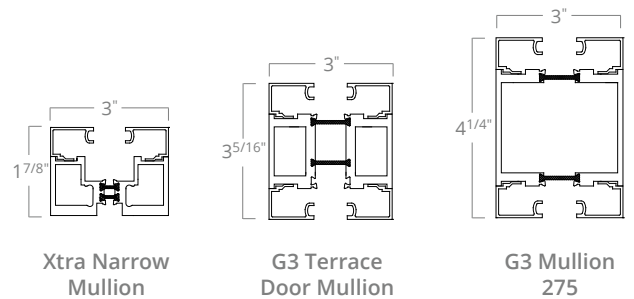
French Door Meeting Rail Detail



Mullion Options

(True Divided Lites)

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



Options dependent upon desired size and engineering requirements.