

CLEAR GLASS WALL SYSTEMS



SOLAR INNOVATIONS®
ARCHITECTURAL GLAZING SYSTEMS

Clean, Uninterrupted Views

Clear Glass Walls are designed without vertical stiles, creating a nearly invisible partition between living spaces. The sleek, modern appearance makes them the perfect choice for interior room dividers or exterior applications with overhead protection, such as stadium luxury suites. The beautiful thing about Clear Glass Walls is their versatility; they can be configured like our popular Folding Glass Wall, Sliding Glass Door, Slide and Stack Wall, or Pivot Door systems and can also be used in window applications. To decrease sound, air and water penetration, gaskets can be applied to the vertical edges of the glass, closing the gap between panels.

FEATURES

PANELS:

- Unlimited panels and configurations
- LEED friendly system including recycled content

GLAZING:

- Designed to accommodate 7/16" - 5/8" monolithic glass

HARDWARE:

- Multiple handle styles and finishes
- 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

OPTIONS

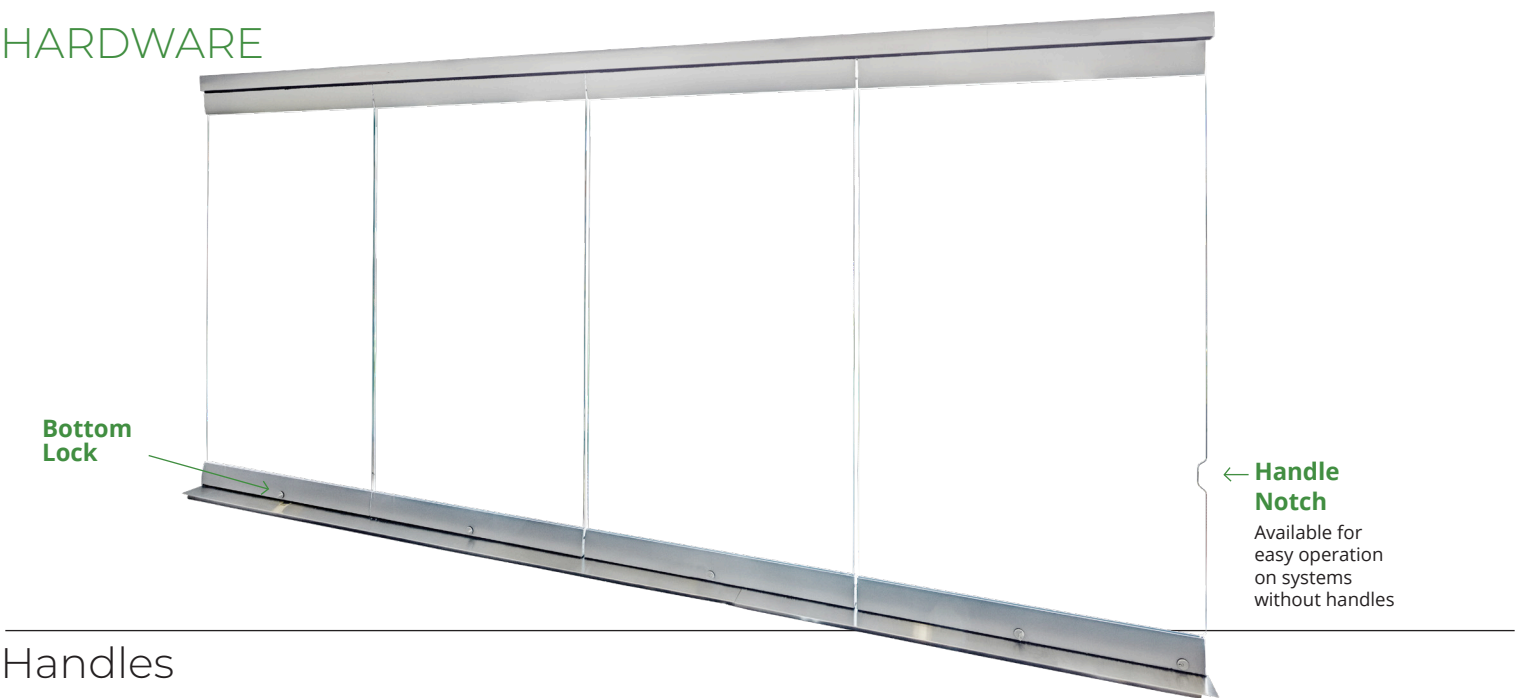
FINISHES:

- 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

ACCESSORIES:

- Matching fixed transoms & sidelites
- Integrated Swing Doors options
- Screen options: folding, sliding, retractable

HARDWARE



Handles

Swing Door Handles

For Integrated Doors in Slide & Stack, Folding and Pivoting Systems



Natural Aluminum

Glass-Mounted Pull Handle

For Sliding Systems



Natural Aluminum
Satin Stainless Steel

Additional handle styles and finishes available upon request. Non-standard handle options may increase lead times and/or cost.

Bottom Locks

Hinges

For Folding Systems



Thumbturn Lock



Keyed Lock



Clear FGW Hinge

Hinge and Lock Finish Options

	SI White		Class I Clear Anodized
	SI Bronze		Dark Bronze Anodized

Custom color options are also available.

Closers, Catches, & Limiters

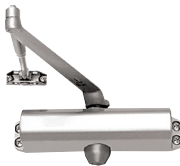
For Integrated Doors in Slide & Stack and Folding Systems



D Series 7414 Door Closer



D Series TS93 Door Closer



C Series PR82 Door Closer



Door Limiter

Door Closer Finishes: Aluminum Painted, Bronze, and Black

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

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

Pivot Door Hardware



D Series BTS80
Floor Closer




R Series H28S
Floor Closer




R Series 370

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







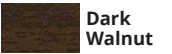
Metal Clad STANDARD* (EXTERIOR ONLY)

	
Copper	#4 Polished Stainless Steel

Metal Clad PREMIUM*

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

Decoral Finishes (Powder Coat)*

							
European Cherry	Golden Oak	Knotty Pine	National Walnut	Oak	Oregon Douglas	Table Cherry	Teak

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.

*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%

SLIDE & STACK CLEAR GLASS WALLS



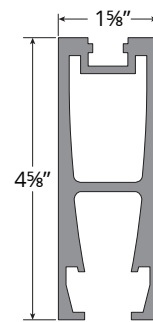
Product Overview

The Slide and Stack Clear Glass Wall system features individual panels which slide along a top hung track and stack to a remote location or into a pocketed space.

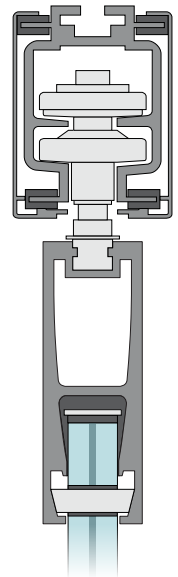
This system is designed to accommodate a large number of panels in nearly unlimited configurations. Straight, angular, multiple face, and segmented curved configurations are all possible, and swing doors can be integrated into the system for entry without operating the entire wall. The dual bearings allow the panels to slide with ease along the track. Our standard 60° stacking bay allows for one-handed operation of the panels.

The Slide and Stack configuration is the perfect choice for stadium luxury suites as the panels can be set aside when the weather is nice or closed when it gets a bit chilly.

RAIL DETAILS



Rail



Head

Panels

- Minimum panel size: 18" wide; smaller panels may be available upon engineering approval
- Interior panel size up to 3' x 9'6"; larger panel options may be available depending on application
- Integrated single swing door available at either jamb only

Hardware

- Custom stainless steel helical bearings rated for a maximum capacity of 350lbs/pair
- Custom operable swing door hardware

Glazing

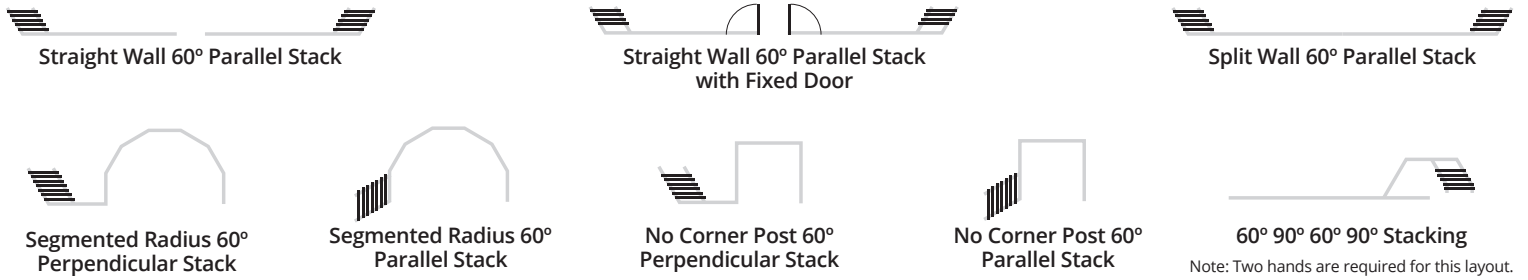
- Designed to accommodate monolithic glazing infills of 7/16" to 5/8"

CONFIGURATIONS/OPERATION EXAMPLES

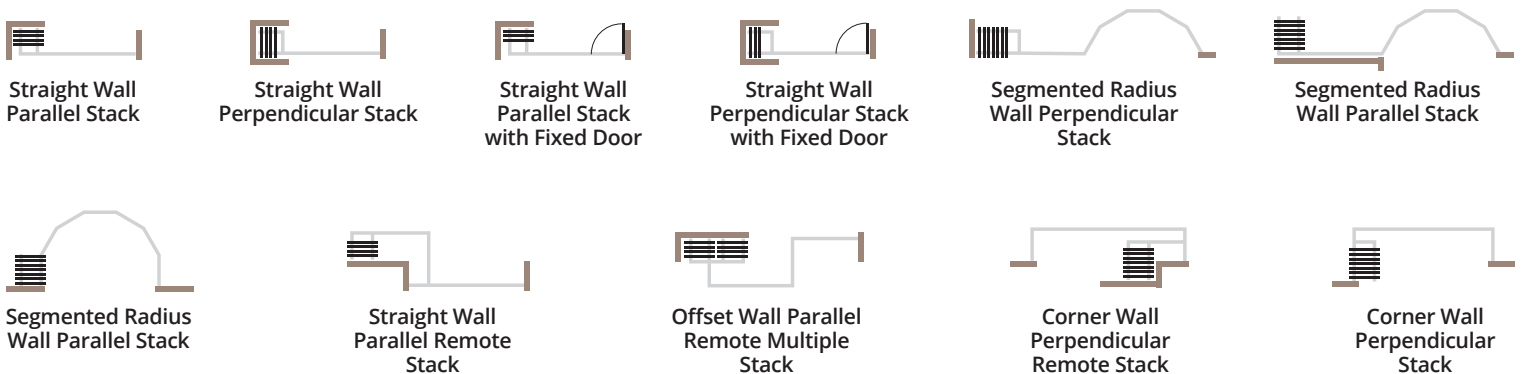
Additional configurations are available.

60° Offset Stack Individual Panels

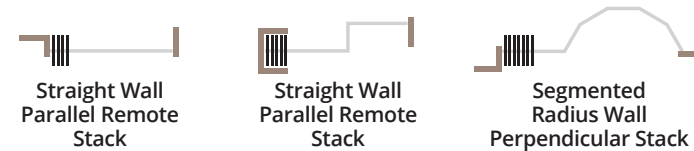
Stacking wall configurations in excess of 8' in height should utilize the 60° configurations for ease of one-handed door operation.



90° Offset Stack Individual Panels

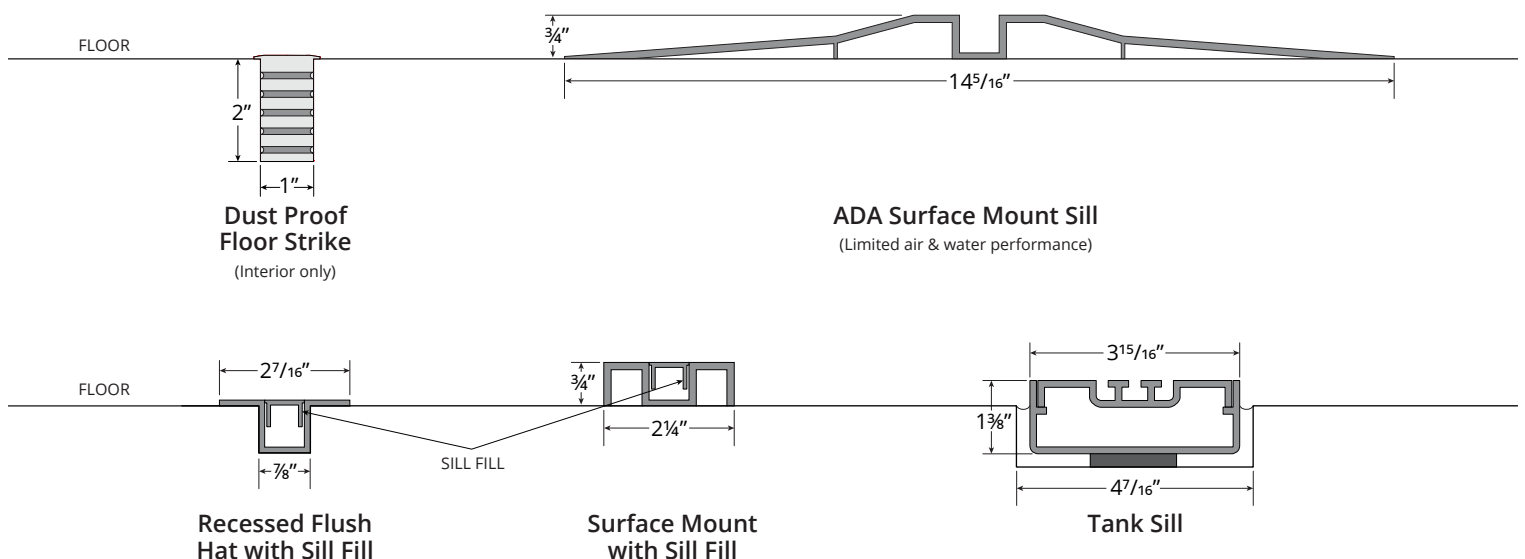


90° Center Hung Hinged Pairs



Limitless custom configurations
Consult a Solar Innovations® Sales team member for custom project-specific designs at **800 618 0669**.

SILL OPTIONS



FOLDING CLEAR GLASS WALLS



Product Overview

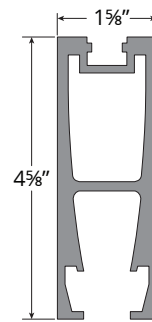
Our Folding Clear Glass Wall system combines the functionality of our iconic aluminum Folding Glass Walls with the transparency of Clear Glass Walls. The system features panels that fold accordion-style to reveal expansive openings. Folding Clear Glass Walls are chosen for their sleek professional look, flexibility, and customization options.

Folding Clear Glass Walls are able to accommodate a large number of panels in nearly unlimited configurations including no post corners and segmented radius walls. Swing doors can be integrated for ease of entry without operating the entire system.

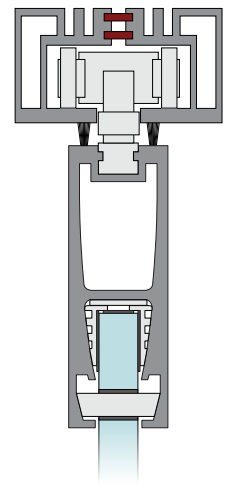
Center and Offset Pivot Folding Clear Glass Walls are available*.

*Pivot distance must be a minimum of 3" from edge of each panel.

RAIL DETAILS



Rail



Head

Panels

- Minimum panel size: 18" wide; smaller panels may be available upon engineering approval
- Interior panel size up to 3' x 9'6"; larger panel options may be available depending on application
- Top load, in-swing or out-swing
- Integrated single swing door available at either jamb only

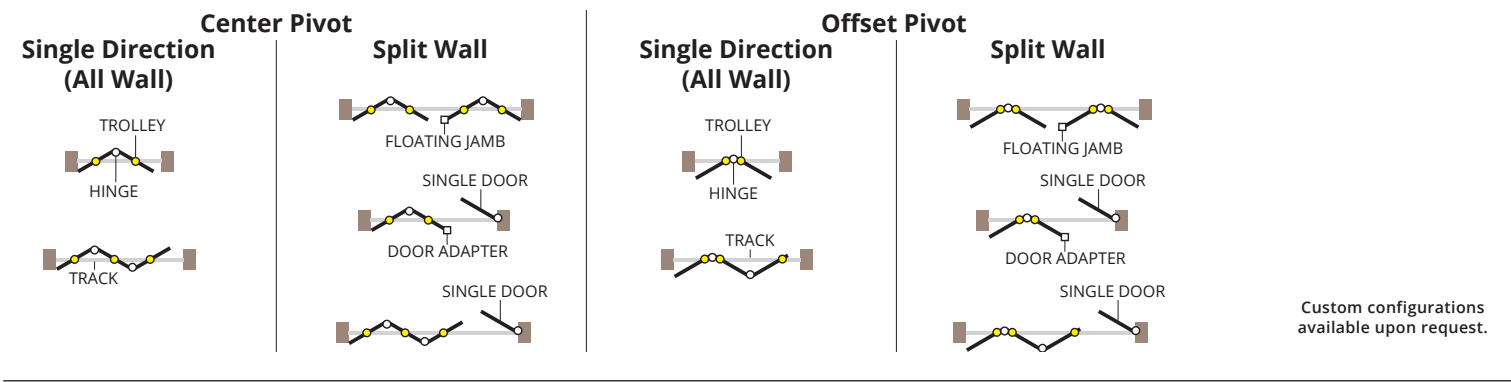
Hardware

- Roller assemblies designed to minimize and simplify panel maintenance
- Zero-maintenance extruded aluminum hinges with stainless steel pins
- Custom operable swing door hardware

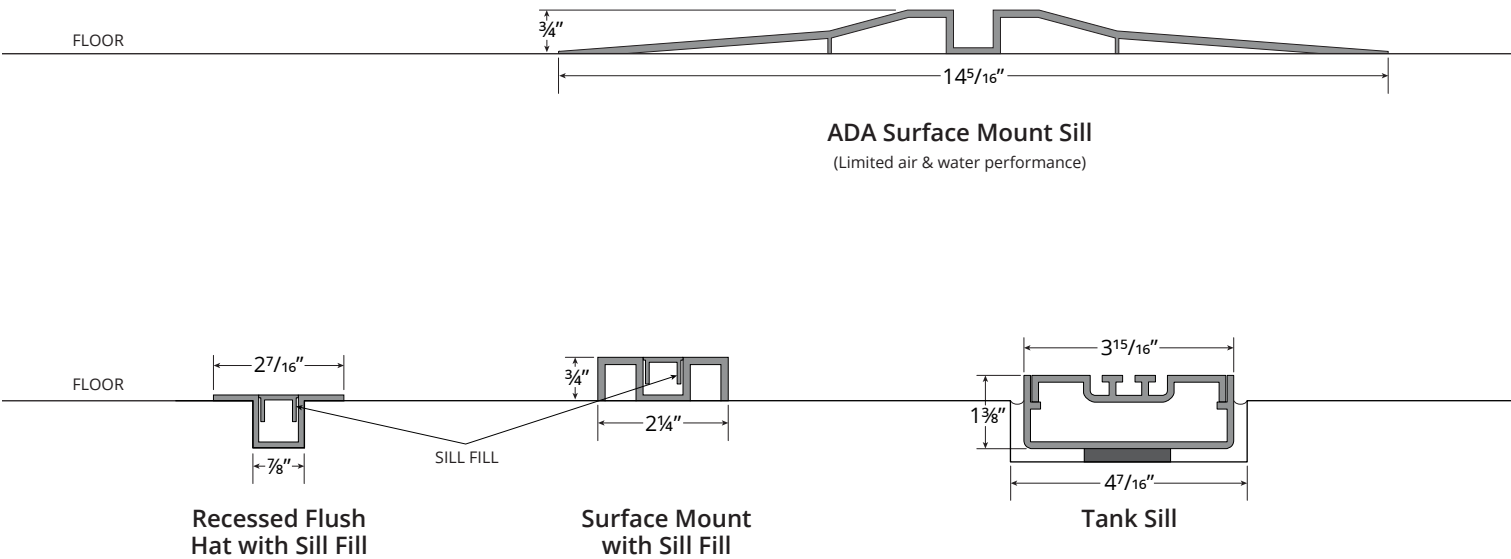
Glazing

- Designed to accommodate monolithic glazing infills of 7/16" to 5/8"

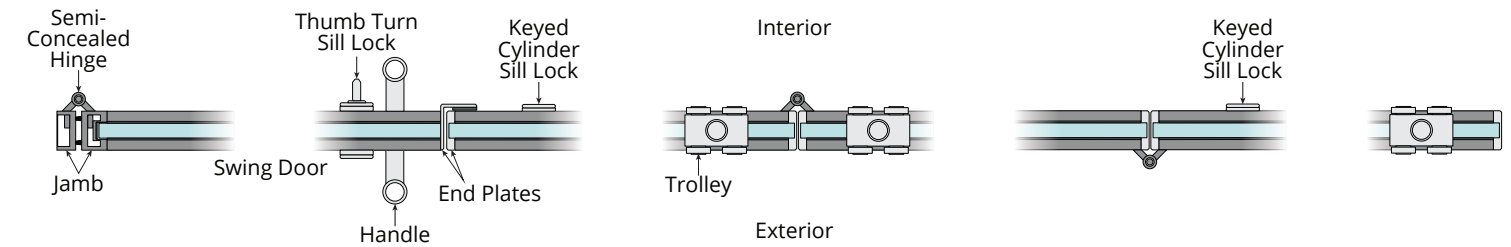
CONFIGURATIONS/OPERATION EXAMPLES



SILL OPTIONS



OFFSET PIVOT JAMB DETAIL



SLIDING CLEAR GLASS WALLS

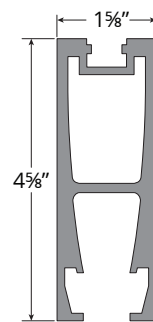


Product Overview

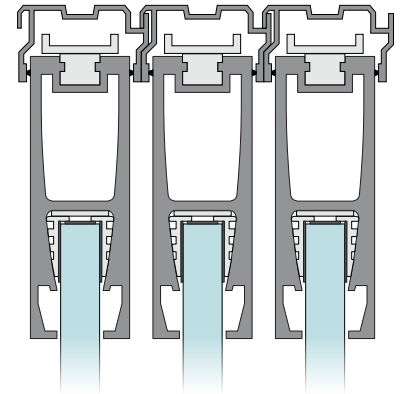
Our Sliding Clear Glass Wall system features dual- or multi-track sliding panels with minimal framing for expansive views. These doors have the familiar operation of traditional Sliding Glass Doors, but without the interruption of views from the vertical stiles.

This system is available in numerous configurations, including pocketing and no post corners. Motorization options are available upon engineering approval, and are especially useful for tall or wide panels.

RAIL OPTIONS



Rail



Head

Panels

- Minimum panel size: 20" wide; smaller panels may be available upon engineering approval
- Interior panel size up to 3' x 9'6"; larger panel options may be available depending on application

Hardware

- Stainless steel rollers with precision bearings

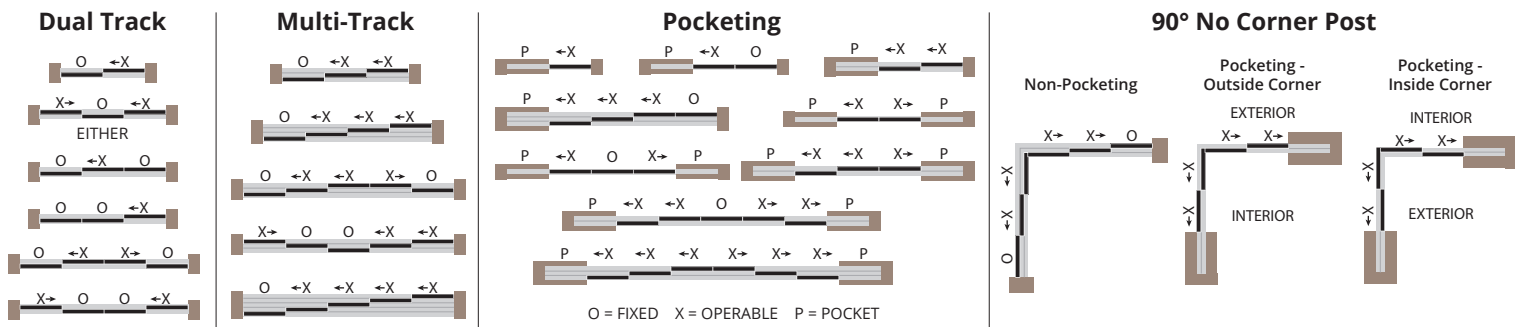
Glazing

- Designed to accommodate monolithic glazing infills of 7/16" to 5/8"

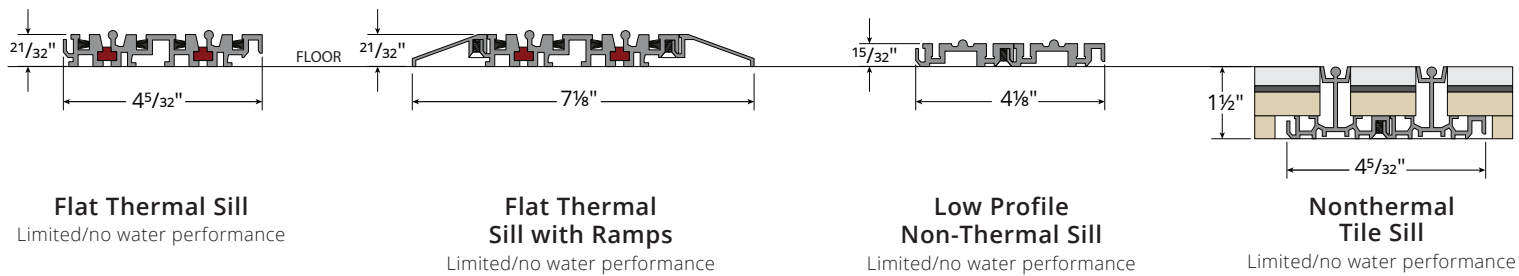


CONFIGURATIONS/OPERATION EXAMPLES

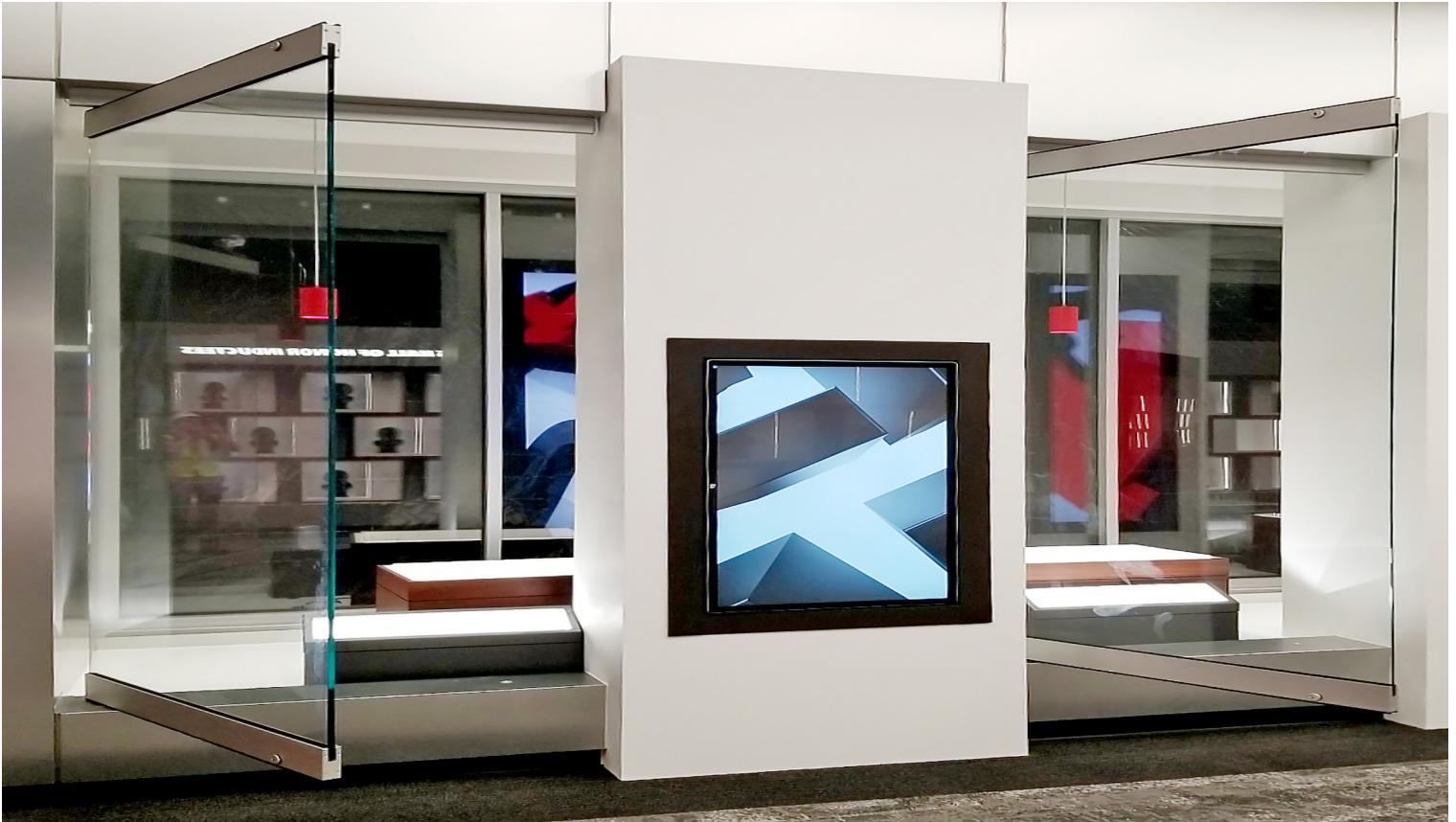
Additional configurations are available.



SILL OPTIONS



PIVOTING CLEAR GLASS WALLS

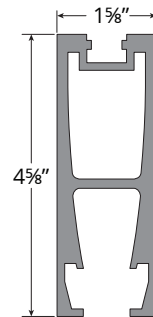


Product Overview

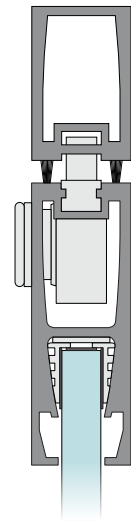
Our Pivoting Clear Glass Wall system allows for ease of operation without the hinderance of hinges at the door jamb. The pivot point can be located anywhere along the head and sill. Like our other Clear Glass Wall systems, the door can be locked at the head and/or sill and can be utilized as either a door or window system.

This system allows for uninterrupted views from jamb to jamb and maximizes the overall opening. They are the perfect choice for display cases and doorways where you want to make a statement.

RAIL OPTIONS



Rail



Head

Panels

- Interior panel size up to 3' x 9'6"; larger panel options may be available depending on application

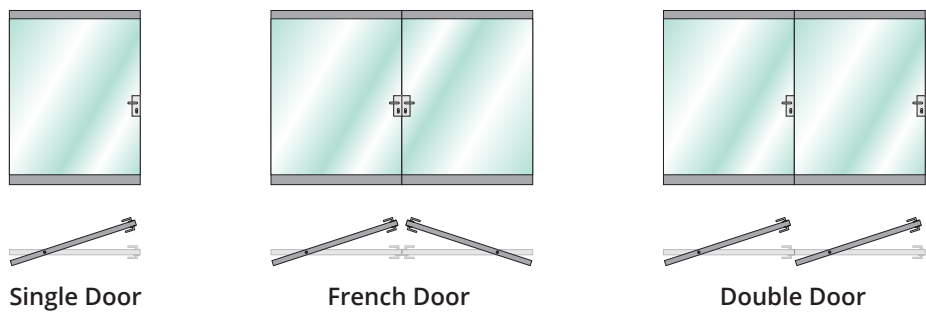
Glazing

- Designed to accommodate monolithic glazing infills of 7/16" to 5/8"

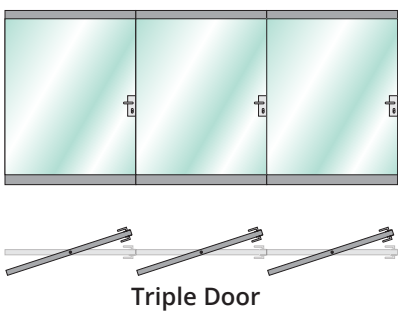
CONFIGURATIONS/OPERATION EXAMPLES

Additional configurations are available.

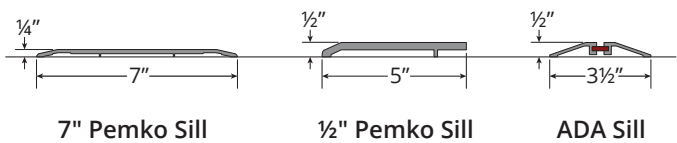
Offset Pivot



Center Pivot



SILL OPTIONS



*Sill-less option also available



Learn More

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