

# SI3350

# Impact Folding Glass Wall System



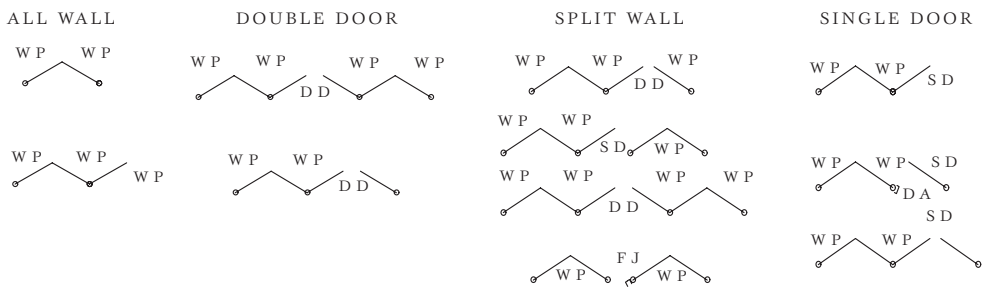
**Features:**

- Multiple HVHZ tests - FL# 12278.X
- Water performance, up to 9.0 PSF, depending upon sill choice
- Thermally enhanced profiles with iso-bar
- Operable hardware custom manufactured by Solar Innovations, Inc.
- Zero-maintenance extruded aluminum hinge with stainless steel pin
- Roller assemblies designed to minimize and simplify maintenance
- Multiple hardware styles and finishes
- Accommodates monolithic and insulated impact glazing up to 1 1/8"
- Standard finishes
  - Duracron: Hartford Green, Bronze, Black, Natural Clay, White, Sandstone
- Top or bottom load, inswing or outswing
- LEED friendly system including recycled content
- Designed and manufactured in the U.S.A.

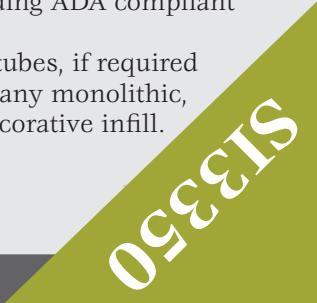
**Options:**

- Matching fixed transoms and sidelites
- Integrated swing doors: single or double
- Custom finishes
  - Class I anodized: Dark Bronze, Clear
  - Powder coat finish: AAMA 2604-05
  - Fluoropolymer: 50% or 70%
  - Veneer & cladding options
  - Dual color or dual finish options
- Decorative interior and exterior grids
- Screen options: folding, sliding, retractable
- Multiple sill designs, including ADA compliant ramps
- Factory installed sill drain tubes, if required
- Designed to accommodate any monolithic, insulated, laminated, or decorative infill.

Series SI3350 hurricane impact tested, thermally enhanced aluminum folding glass wall system for commercial and residential applications. Exceptional air, water, structural, and thermal performance in any condition. Multiple sill options and profile dimensions provide greater performance and design flexibility. Customization of product profiles, hardware, sills, panel size, and testing can be completed upon request.



WP = Wall Panel    SD = Single Door    DD = Double Door    DA = Door Adapter    FJ = Floating Jamb  
 Not all configurations have been impact tested.



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Based on the memorandum from the State of Florida Department of Community Affairs, any product listed on the Florida Building Code Online which meets the state requirements for HVHZ is approved for use in both Miami-Dade and Broward counties of Florida. This allows for HVHZ products to be used in those counties even if the product is not listed on the Miami Dade Building Code website.

“The Florida Building Code, implemented in 2001, is a single, statewide building system regulating everyone involved in altering, constructing or repairing buildings. Prompted by a series of natural disasters in the early 1990s, it replaced the existing complex system of local regulations.”

G2 Dual Wheel FGW 3x8 Panel														
Series	Wall Type	Panel Width	Panel Height	Maximum Width*	Maximum Height*	Operation	Hardware	Load	Air	Water	Deflection	Permanent Set	NCTL Report Number	Florida Number
SI3350	“Split wall”	36	96	37 4/5	100 4/5	Outfold Outfold Infold Outfold	Milan Milan Toronto Toronto	Bottom Bottom Bottom Top	<0.01 @ 1.57 0.07 @ 1.57 0.02 @ 1.57 -	12psf - 9psf 12psf	±80	±120	NCTL-110-15005-1	12278.12 12278.13 12278.14 12278.15
SI3350	“All wall”	36	96	37 4/5	100 4/5	Outfold	2-point	Bottom	<0.01 @ 1.57	15psf	±80	±120	NCTL-110-14994-1	12278.9
SI3350	“No post”	36	96	37 4/5	100 4/5	Infold	2-point	Bottom	0.05 @ 1.57	9psf	±80	±120	NCTL-110-14992-1	12278.1
SI3350	“Panic”	36	96	37 4/5	100 4/5	Outfold	Dor-o-matic 1490	Bottom	-	-	±65	±97.5	NCTL-110-15135-1	Added to series
SI3350	“Radius”	36	96	37 4/5	100 4/5	Infold		Bottom	0.08 @ 1.57	9psf	±80	±120	NCTL-110-15540-1	11278.11
SI3350	“Radius Flush”	36	96	37 4/5	100 4/5	Infold		Bottom	0.09 @ 1.57	9psf	±70	±105	NCTL-110-15540-1	11278.11
Summary Notes: 3x8 panel max DP is 80 with either aluminum or steel, SI will only use aluminum. Any door under 65dp will use the G1 aluminum insert on every other rail. Panic hardware is limited to 65dp.														
G1 Single Wheel FGW 3x8 Panel														
SI3350	“All wall”	36	96	37 4/5	100 4/5	Outfold Infold Outfold Infold	2-point	Bottom			±60		NCTL-110-10114-1 NCTL-110-10115-1 NCTL-110-10116-1	12278.7 12278.8
Summary Notes: Use this system for small units (windows, openings <7ft tall, etc)														
G1 Single Wheel FGW 3.5x6 Panel														
SI3350	“All wall”	40 1/2	70 1/8	42 1/2	73 5/8	Infold	2-point	Bottom	0.44 @ 1.57	10psf	±60	±90	NCTL-110-14076-1	N/A
G1 Single Wheel FGW 3.5x9.5 Panel														
SI3350	“Split wall”	43 7/8	114	46	119 5/7	Outfold Outfold Outfold Outfold Flush Outfold Flush Infold Bulb Infold Flap Infold Bulb		Bottom Bottom Bottom Top Bottom Bottom Bottom Bottom	0.03 @ 1.57 - - 0.04 @ 1.57 - 0.15 @ 1.57 0.15 @ 1.57 -	9psf - - 7.5psf - 7.5psf 6psf -	±60 ±60 ±60 +50-60 ±60 +50-60 +40-60 ±60	±90	NCTL-110-12655-1	12278.2 12278.3
SI3350	“Flush sill”	44 7/8	114	47 1/8	119 5/7	Outfold		Bottom	0.04 @ 1.57	6psf	±60	±90	NCTL-110-12655-2	12278.2 12278.3

### G3 Dual Wheel FGW 3.5x9.5 Panel

SI33350	"Split wall"	36 1/2	118	38 1/3	123 8/9	Outfold Outfold Infold Outfold		Bottom Bottom Top Bottom	0.18 @ 1.57 - 0.02 @ 1.57 0.07 @ 1.57	12psf 12psf 9psf 12psf	±70 ±70 ±70 ±50 Overcycled to ±80	±105 ±105 ±105 ±75	NCTL-110-15327-1	Coming Soon
SI33350	"No post"	36 1/2	118	38 1/3	123 8/9									Coming Soon

### G1 Single Wheel FGW 3x10 Panel

Series	Wall Type	Panel Width	Panel Height	Maximum Width*	Maximum Height*	Operation	Hardware	Load	Air	Water	Deflection	Permanent Set	NCTL Report Number	Florida Number
SI33350	"Split wall"	36	120	37 4/5	126	Outfold Outfold Outfold Outfold Infold Infold			0.10 @ 1.57 - - 0.10 @ 1.57 -	8.7psf - - 4.5psf -	±58	±87	NCTL-110-12356-1	12278.17
SI33350	"Swing door"	36	120	37 4/5	126	Outfold	5-point	Bottom			+58-60	+87-90	NCTL-110-14463-1	12278.17

### G2 Dual Wheel FGW 3x10 Panel

SI33350	"No post"	36	120	37 4/5	126	Outfold		Bottom	0.09 @ 1.57 0.13 & 6.24	12psf	±60	±90	NCTL-110-15409-1	12278.14
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### G1 Single Wheel FGW 4x10 Panel

SI33350	"All wall"	48	120	50 2/5	126	Outfold			0.10 @ 1.57	8.25psf			NCTL-110-12566-1	N/A
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### G1 Single Wheel FGW Irregular Panel

SI33350	"Swing door"	30 1/16	80 1/8	31 4/7	84 1/8	Outfold	Door	Bottom	0.03 @ 1.57 0.06 @ 6.24	9.75psf	±120	±120	NCTL-110-1-9445-1	12278.6
SI33350	"Swing door"	32 15/16	82 1/8	34 45/77	86 2/9	Infold	Door	Bottom	0.04 @ 1.57 0.10 @ 6.24	5psf	±70	±135	NCTL-110-12567-1	

### G2 Dual Wheel FGW Thermal

SI33350	"All wall"	36 3/8	74	NA	NA	Outfold	2-point	Bottom					NCTL-110-14592-1	
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### G1 Single Wheel FGW Thermal

SI33350	"All wall"	66 1/4	83 15/16	NA	NA	Outfold	2-point	Bottom					NCTL-110-9519-2	N/A
SI33350	"All wall"	36 1/2	74 1/2	NA	NA	Outfold	2-point	Bottom					NCTL-110-10850-1	N/A

### G2 Pivot Door 5x8 Panel

SI3350P	"Pivot door"	62.563	100.875	65 5/7	105.919	Infold	Operable door	Top/Bottom	0.12 @ 1.57	2.0psf	+100-80 Throw-bolt ±30 No Throw-bolt	+150-120 Throwbolt ±45 No Throwbolt	NCTL-110-12566-1	12278.18
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\* You can only choose either maximum height or maximum width, you cannot choose both.

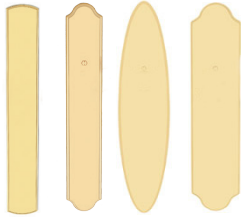
\*\* EoR - Every other rail

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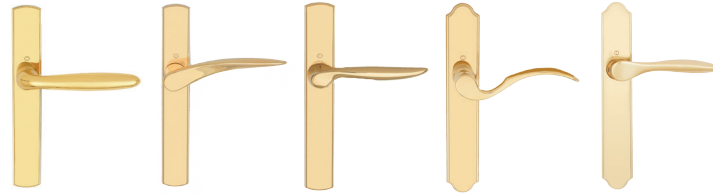
## Coastal Applications

### Back Plate Options



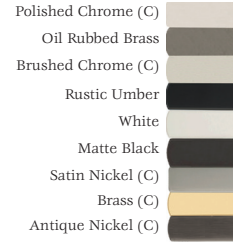
216 374 3955 3965

### Brass Handle Options



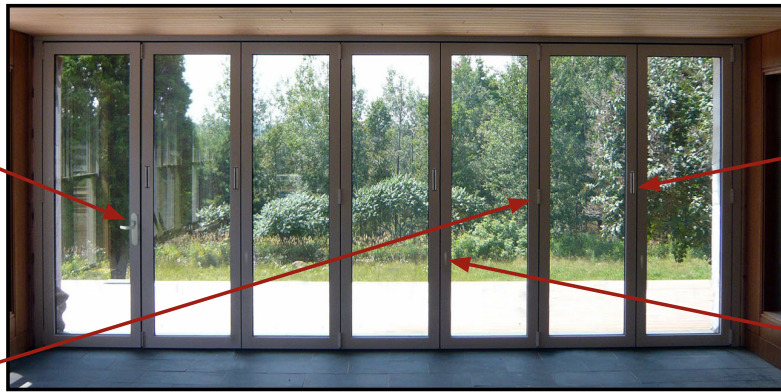
Verona Rodos Toronto München New Orleans

### Color Options

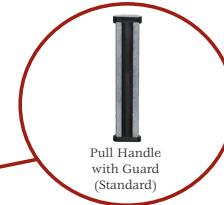


(C) = Heavy Saltwater Resistant Finishes

\*Product Option Not Yet Tested. Oversized units are available dependent upon engineering approval.



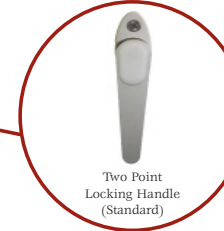
Allegro Handle (Standard)



Pull Handle with Guard (Standard)



Semi-concealed Hinge (Standard)



Two Point Locking Handle (Standard)

## Inland Applications

### Back Plate Options



5000 Style 4000 Style Sample Keyed Exterior Sample Thumb Turn

Both styles available with:

- 46 - Thumb Turn - Interior  
Lever - Exterior
- 10 - Lever - Interior  
Lever - Exterior
- 92 - Thumb Turn - Interior  
Keyed Exterior

### Solid Brass Handle Options



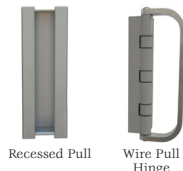
Capri Venice

Not available for doors exceeding 2 1/2" thickness

### Color Options



### Lock Options



Recessed Pull Wire Pull Hinge

- Lock color choices:**
- Black
  - Brushed Aluminum
  - Bronze
  - Natural Clay
  - White
  - Sandstone
  - Hartford Green

- Handle color choices:**
- Clear Anodized
  - Dark Bronze Anodized
  - White Painted
  - Bronze Painted
- Custom Colors Available\*  
(\*Additional Charges Apply)



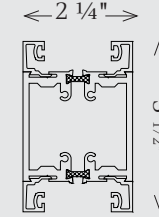
Surface Mount Hinge

### Hinge Options

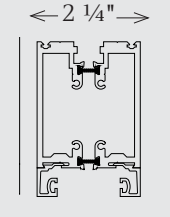
- Barrel Finish Options:**
- Clear Anodized
  - Dark Bronze Anodized
  - White Painted
  - Bronze Painted
  - Custom Colors Available (Additional Charges Apply)

- Cover Plate Finish Options:**
- Clear Anodized
  - Dark Bronze Anodized
  - Black
  - Bronze Color
  - Natural Clay
  - White
  - Sandstone
  - Custom Colors Available\*

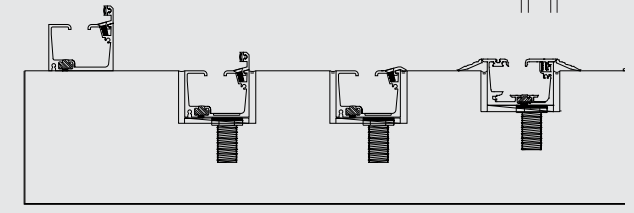
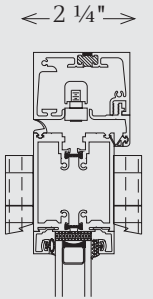
### Standard Mullion



### Standard SI3350



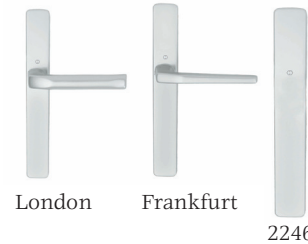
### Head Detail



Standard\* Recessed Recessed Flush Pending Recessed with Adjustable ADA Ramps Pending

## Inland Applications

### Aluminum Options



London Frankfurt 2246

- Pure White
- Chestnut
- Painted Silver

### Exterior Entry Trim



Curved Round Square

### Panic



Rim Panic

Matching interior passage sets available. For double door applications, concealed vertical rod panic hardware is available. Entry trim with thumb turn and wire pull available.

SI3350