



MANUFACTURER OF QUALITY IMPACT RESISTANT WINDOWS AND DOORS



qual·i·ty /-kwälədē/

the standard of something as measured against other things of a similar kind; the degree of excellence of something.



OUR COMPANY

OUR COMPANY

SIW Windows & Doors has been manufacturing, since 2002 in Delray Beach, Florida. Our products are designed and constructed specifically for the South Florida market. Our 50,000 square feet of manufacturing facility ensures that we achieve superior levels of impact resistance and security. We meet the most stringent requirements, including High Velocity Hurricane Zone (HVHZ) ratings. SIW products are Miami Dade Approved. SIW manufactures the highest quality windows and doors. This is how SIW Windows & Doors has earned its reputation.



**Bi-Fold Doors • Ornamental Doors • Elegant Entry Doors • French Doors
Single Hung and Rolling Windows • Casement & Project Out Windows
Fixed and Architectural Shape Windows • Sliding Glass Doors
Pivot Doors • Store Front Products**

PIVOT DOORS



FRAMES

Inswing/Outswing maximum size is 72" x 108" and 60" x 120" for a single door. Full Glass Door with the option of True Divided & Applied Rails. Heavy duty extruded aluminum with texture finish to obtain the look of wood is available. Frame depth is 4". Installation holes are pre punched for an easy installation.

OPTIONAL COLOR FINISHES

Burlwood, Chestnut Cherry, Cinnamon Red, Clear Anodized, Driftwood Woodgrains, English Oak, Grey Oak, Hazelnut Brown, Honey Cherry, Honey Pine, Mahogany, Sandcaster, and Walnut

WEATHER STRIPPING

Fully weather stripped throughout, which provides a tight seal to prevent water and air filtration. Glazed with Santoprene Gasket with (100% STRAIN) = 406 PSI.

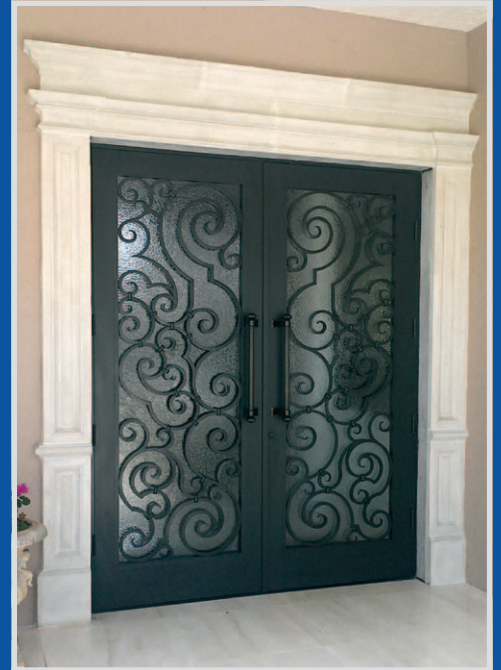
AVAILABLE OPTIONS

Commercial 3-Point Lock with Custom Pulls Optional.
Custom colors and sizes
Laminated & Insulated Glass

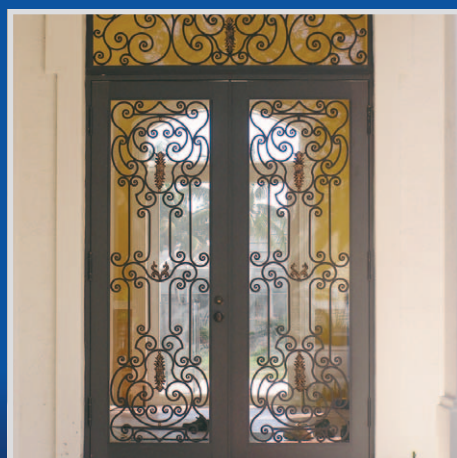
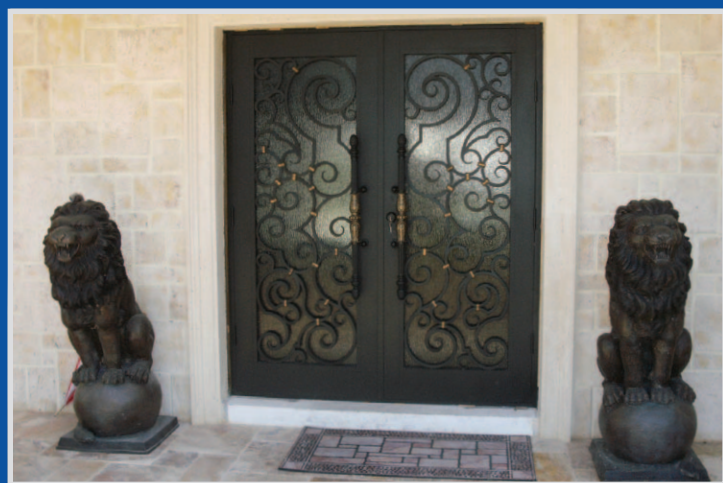
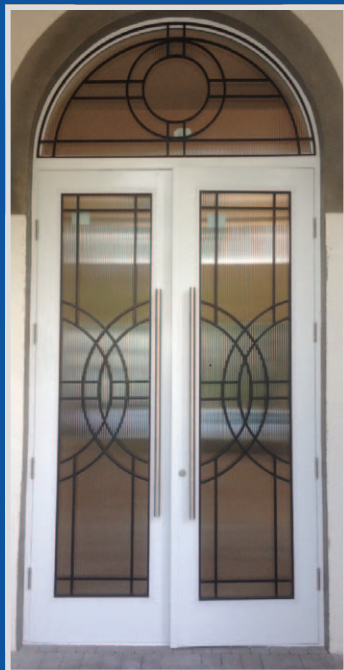




ORNAMENTAL



DOORS





ELEGANT ENTRY

SIW French Doors were designed and fabricated to look like wood doors, yet eliminate the maintenance, swelling and decay issues associated with wood doors.

Maximum size tested 172" x 144 with transom and side lites. Double door 76 x 132 and single doors 48 x 120.

- Heavy duty .125 extruded aluminum in frame, sill and door stiles
- Stainless steel assembly screws
- 4 1/2" frame depth
- Installation screw holes are pre punched for easy installation
- Extruded ogee glazing beads and muntins
- Zero screws exposed at jamb or sill
- Santoprene™ thermoplastic glazing seal separates aluminum frames and glass. Preventing heat transfer and virtually eliminating stress cracks
- Superior weather stripping
- Dow 995 structural silicon (for high performance)
- Standard and 3 point lock hardware
- Commercial locks and ADA sill available
- Various designs available



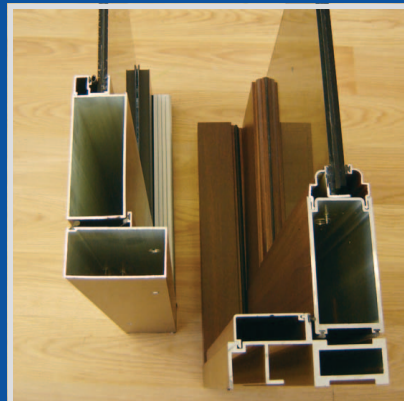
Glazing

Multiple glazing options are available to meet various design requests

- 1" decorative insulated impact glass
- 7/16" thick (Nom) Saflex and SGP.090 impact resistant
- 1" thick (Nom) SGP.090 insulated impact resistant



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PGT

SIW



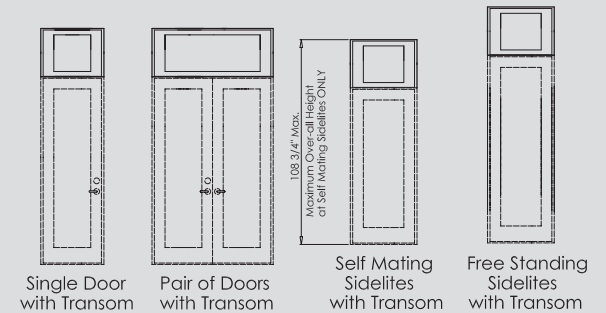
DOORS



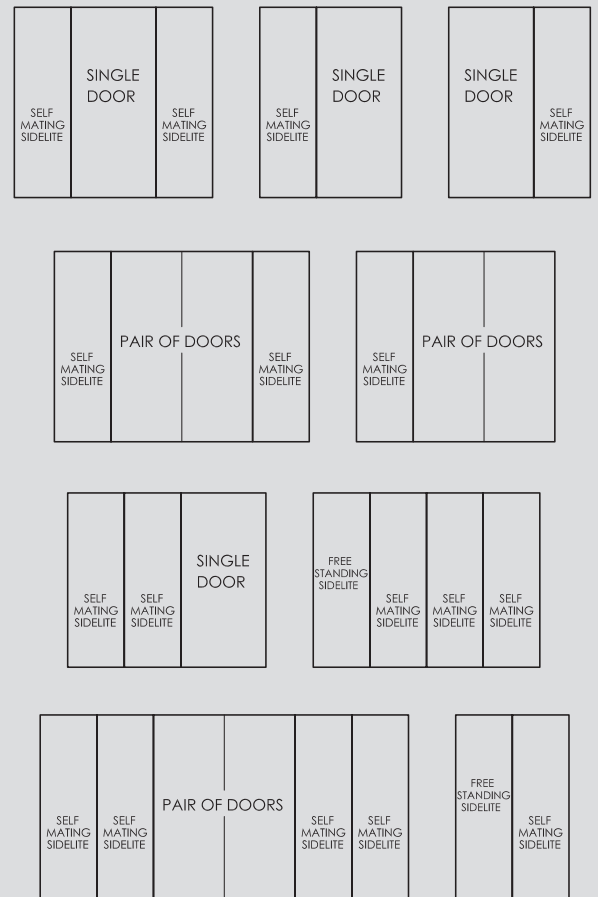
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Transom Options

All **Doors** and **Sidelites** are available with **Integral Transoms**. Transoms cannot be used as independent stand alone units. Standards Transoms heights are 12 7/8", 24 7/8" and 36 7/8".



Examples of Some Combination Openings Using Self Mating Sidelites





FRENCH



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DOORS





CASEMENT & PROJECT OUT WINDOWS

SIW Casement and Project Out Windows are built tough. Fabricated with heavy duty commercial grade aluminum and laminated glass. They are designed to imitate the look of a wood window, yet eliminate the high maintenance, swelling, and decay associated with wood windows, never compromising beauty and strength. All screws are concealed and finished with aluminum beauty caps.

Project Out NOA 12-0223.20
Frame Material and Construction
Maximum size tested 37 x 80 and 80 x 80 to +80 -80 psf.

- Heavy duty .078 extruded aluminum
- Stainless steel assembly screws
- Frame depth 3" for all of our windows
- Installation screw holes are pre-punched for easy installation
- Extruded ogee glazing beads and muntins
- Santoprene™ thermoplastic glazing seal separates aluminum frames and glass. Preventing heat transfer and virtually eliminating stress cracks
- Premium weather stripping
- Dow 995 structural silicone (for high performance)



Casements NOA 12-0223.06
Frame Material and Construction
Maximum size tested 37 x 80 to +80 -80 psf.

- Heavy duty .078 extruded aluminum
- Stainless steel assembly screws
- Frame depth 3" for all of our windows
- Installation screw holes are pre-punched for easy installation
- Extruded ogee glazing beads and muntins
- Santoprene™ thermoplastic glazing seal separates aluminum frames and glass. Preventing heat transfer and virtually eliminating stress cracks
- Premium weather stripping
- Dow 995 structural silicone (for high performance)



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FIXED AND ARCHITECTURAL SHAPE WINDOWS



SIW Fixed and Architectural Windows are built tough. Fabricated with heavy duty commercial grade aluminum and laminated glass. They are designed to imitate the look of a wood window, yet eliminate the high maintenance, swelling, and decay associated with wood windows, never compromising beauty and strength. All screws are concealed and finished with aluminum beauty caps.

Frame Material and Construction to
Maximum size tested 53 1/8 x 96 with +90 -130 psf and 77 x 101 with +70 -70 psf

- Heavy duty .078 extruded aluminum
- Stainless steel assembly screws
- Frame depth 3" for all of our windows
- Installation screws are pre-punched for easy installation
- Extruded ogee glazing beads and muntins
- Santoprene™ thermoplastic glazing seal separates aluminum frames and glass. Preventing heat transfer and virtually eliminating stress cracks
- Premium weather stripping
- Dow 995 structural silicone (for high performance)



Glazing

Multiple glazing options are available to meet various design requests

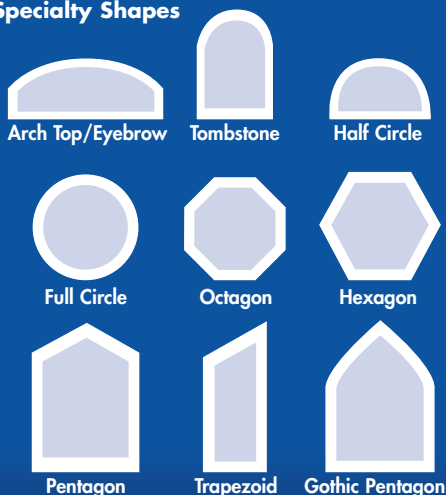
- 5/16" thick (Nom) Saflex .090 impact resistant
- 7/16" thick (Nom) Saflex and SGP.090 impact resistant
- 11/16" thick (Nom) Saflex .090 1/4 Speer 1/8 Low E
- Energy efficient Low E Glass available on all windows and doors for over-exposed areas

Optional Glass Colors

Grey • Bronze • Green



Specialty Shapes



Custom Shapes Available





SINGLE HUNG

SIW Impact Windows and Doors, LLC manufactures the highest quality aluminum impact resistant windows and doors in the residential and high-rise market.

At **SIW Impact Windows and Doors, LLC** we don't sacrifice aesthetics for functionality. Our windows not only look beautiful, they are strong enough to withstand hurricanes and still be functional.

SIW Impact Windows and Doors, LLC designed their products through accumulated knowledge and experience. We don't just modify or adapt old technology, **SIW** engineers started from a clean slate. We tested and passed all of our products utilizing Miami-Dade protocols and we never compromise a design. Simply stated "**We make beautiful windows**".

Traditionally, a window was just a window. The market was driven by competitive bidding, and product selection was decided by the lowest cost. Now, product selection is determined by new demands from highly educated and sophisticated consumers taking into consideration life cycle, cost, strength, and value engineering.

These values are what makes **SIW Impact Windows and Doors, LLC** unique. All of our windows are fabricated with heavy .078 to 1.25 thick aluminum frame, (not PVC), and laminated glass. Our window's low tolerance reduces air-infiltration, therefore reducing heat transfer between the inside and the outside. Low-E glass and insulated glass options are available for areas with over exposed sunlight.

SIW products are approved in the State of Florida and also in Miami-Dade County. Our manufacturing facility is equipped with the latest technology and machinery to be able to provide accurate and precise dimensions for our products.

Multiple glazing options are available.



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ROLLING WINDOWS



SIW Windows are built tough. Fabricated with heavy duty commercial grade aluminum and laminated glass. They are designed to imitate the look of wood windows, yet eliminate the high maintenance, swelling, and decay associated with wood windows. Our engineers have designed our **Rolling Window** to look like a casement window, never compromising beauty and strength.

Rolling Window NOA 12-0221.07

Frame Material and Construction

Maximum size tested 144" X 76" & 173" x 63" to +80 -100 psf.

- Heavy duty .078 extruded aluminum.
- Stainless steel assembly screws.
- Frame depth 3" for all of our windows.
- Installation screws are pre-punched for easy installation.
- Extruded ogee glazing beads and muntins
- Glass is insulated between aluminum frame and glass to prevent heat transfer and glass stress cracks.
- Premium weather stripping.
- Dow 995 structural silicone (for high performance).
- Meeting rail mounted sweep locks.



Single Hung NOA 12-0221.06 & 12-0307.04

Frame Material and Construction

Maximum size tested 53 1/8 X 96 to +106.5 -130 and 16 psf water (Hercules Series)

- Heavy duty .078 extruded aluminum.
- Stainless steel assembly screws.
- Frame depth 3" for all of our windows.
- Installation screws are pre-punched for easy installation.
- Extruded ogee glazing beads and muntins
- Santoprene™ thermoplastic glazing seal separates aluminum frames and glass. Preventing heat transfer and virtually eliminating stress cracks.
- Premium weather stripping.
- Dow 995 structural silicone (for high performance).
- Meeting rail mounted sweep locks.



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SLIDING GLASS



DOORS



SIW Series KM 600 Sliding Glass Doors are built tough to resist the unique and harshest weather conditions of South Florida. Constructed of heavy duty extruded aluminum, continuous weather stripping, tandem roller system, and 9/16" Dupont SentryGlas to exceed the most stringent code requirements of Miami-Dade County. It has been designed to maximize view, while never compromising strength, beauty, and performance.



SentryGlas.

Maximum size tested 282" x 132" (6 panel)

Design Pressures +90/-110

- Heavy duty .080 to .125 gauge extruded aluminum.
- Stainless steel assembly screws.
- 4 1/2" frame depth (2 track system)
- 5" frame depth (3 track system)
- 5 1/2" frame depth (3 track system)
- 7" frame depth (4 track system)
- 8 1/2" frame depth (5 track system)
- Santoprene Gasket with (100% STRAIN)=406 PSI
- Premium weather stripping.
- Gemini II – Dual point lock system with anti-slam feature. (provides up to 2,000 lbs forced entry).
- 9/16" Dupont SentryGlas.
- Tracks with built in pans and drainage holes to assure ample drainage. (Hi-rise tracks available for maximum performance during excessive water and high wind conditions)
- Tandem roller assembly made of 6061-T6 structural grade aluminum alloy with stainless steel ball bearings and adjustment screws. The 2 wheel system provides ease of use.
- Interior pull handle system with comfort grip. (Available in a variety of powder coated and metal finishes)
- Unlimited door panels and configurations are available.
- Energy efficient Low-E glass option available for areas with over exposed sunlight.



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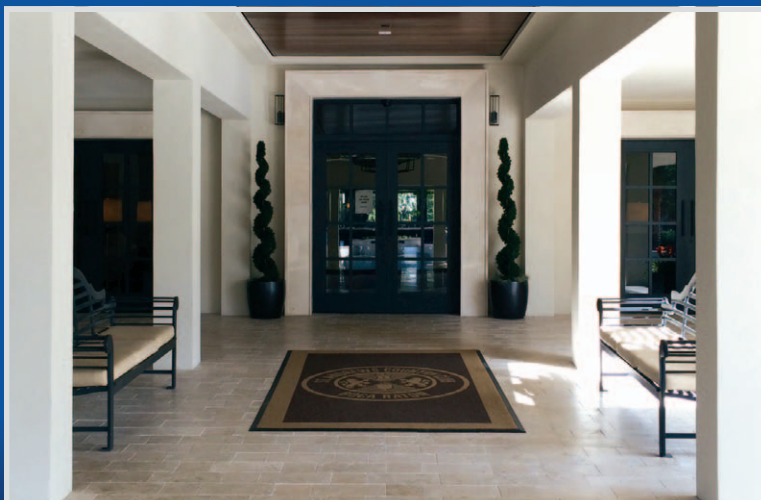
STORE FRONT PRODUCTS

SIW Architectural Storefront Products. South Florida's leading supplier of residential High End impact-resistant windows and doors releases a new window and door system for its product line. Our Storefront System is capable of achieving and exceeding very high wind load demands. Its thick walled construction allows SIW to achieve the high loads with large glass panels and minimal mull interruption. This commercial system will be available in our standard White and Bronze finishes. Also available in custom finishes.

This product series introduction expands SIW's commercial product portfolio with solutions for hotels, office buildings, store fronts, and condominiums. With a combination of high design pressures and impact-resistant glazing it is the perfect choice for hurricane prone areas. This series may be interior or exterior glazed. The new storefront products joined the existing diverse product line which includes: single hung, horizontal rollers, picture windows, casements, project outs, fixed windows, Bi-Folds, Sliding Glass Doors, Pivot Doors, French Doors, and Decorative Doors.

All SIW Products meet or exceed the stringent Miami Dade County code requirements.

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COMMERCIAL HI-RISE AND MID-RISE





GLASS GARAGE DOORS

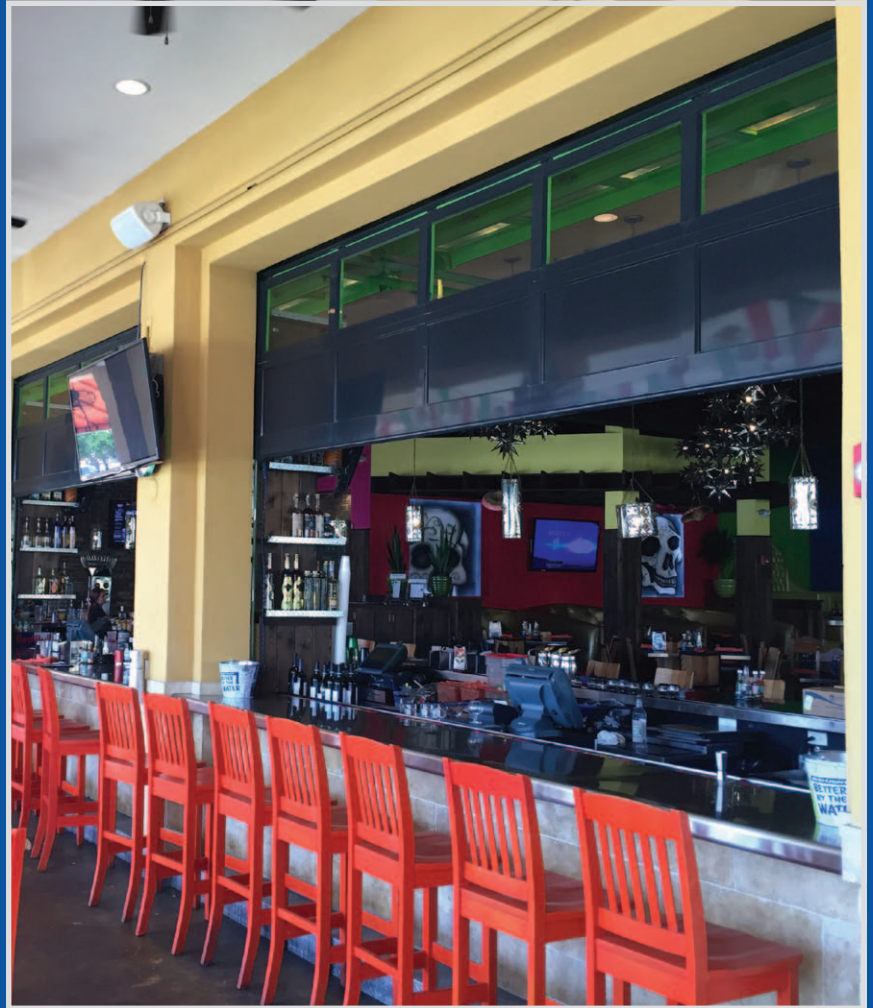
SIW Glass Garage Door (NOA Pending)

If a contemporary style is what you want, SIW glass garage doors are a perfect complement to your home's clean, modern look. Transform your home's appearance with the modern look of a hurricane impact glass and aluminum garage door.

Ideal for Commercial Buildings, Restaurants, Warehouses, and Interior Office Spaces. Manufactured with durable low-maintenance 2" styles with true divided Lites with many glazing options available. They can enhance your home's glass expanses and patios, perfectly fusing indoor and outdoor spaces. Commercial grade aluminum powder coated in Bronze, White, Woodgrains, and also Clear Anodized.

Product Specifications:

- Glass types: 5/16" Laminated PVB, 1/2" insulated (non-impact) and 1/4" Lexan.
- Single Panels 9' x 10' impact resistant.
- Double Panels 18' x 10' (nonimpact)
- Solid aluminum panels, decorative colored glass and privacy glass available.





BI-FOLD DOORS



SIW Bi Fold Doors were designed and fabricated to look like wood French doors, yet eliminating the maintenance, swelling and decay issues associated with wood. Not all operable glass walls are the same. We are setting new standards for performance, aesthetics and ingenuity.

Maximum size tested was 400" x 120". Unlimited amount of panes and various combinations available. Commercial and residential applications are available.

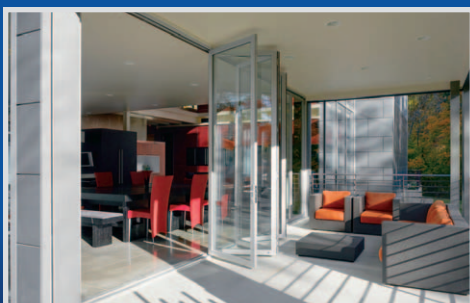
- Heavy duty extruded aluminum in frame, sill and door stiles.
- 4" and 2" vertical styles available
- 3 7/8" frame width
- Installation screws are pre punched for easy installation
- Santoprene thermoplastic glazing seal separates aluminum frames from glass preventing heat transfer and stress cracks.
- Superior weather stripping
- Hardware from Interlock from New Zealand
- 3 point lock on all active doors.
- Various designs are available.

Glazing

Multiple glazing options are available.

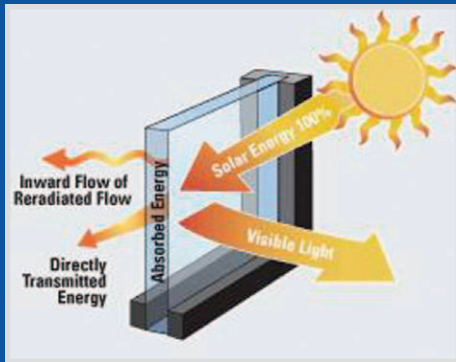
- 7/16" laminated glass (Nom) Saflex and SGP.090 impact resistant
- 1" thick (Nom) SGP and PVB insulated impact resistant

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SIW Impact Windows and Doors
 Glass Performance Data

Glass Type	U-Value	SHGC	Visible Light	
			Transmittance	
5/16" Laminated Glass for Windows:				
5/16" Clear	0.96	0.76	86%	
5/16" Bronze	0.96	0.66	64%	
5/16" Grey	0.96	0.64	59%	
5/16" Green	0.96	0.64	80%	
5/16" Double Bronze	0.96	0.57	49%	
5/16" Double Grey	0.96	0.54	42%	Meets Turtle Code
5/16" Bronze/White Interlayer	0.96	0.55	46%	
5/16" Grey/White Interlayer	0.96	0.53	42%	Meets Turtle Code
5/16" Clear LoE SGP				
5/16" Clear LoE SGP	0.97	0.36	61%	
5/16" Bronze LoE SGP	0.97	0.36	46%	
5/16" Grey LoE SGP	0.97	0.36	41%	Meets Turtle Code
5/16" Green LoE SGP	0.97	0.40	56%	
7/16" Laminated Glass for Windows or French Doors:				
7/16" Clear	0.94	0.59	86%	
7/16" Bronze	0.94	0.52	56%	
7/16" Grey	0.94	0.51	50%	
7/16" Green	0.94	0.59	75%	
7/16" Double Bronze	0.94	0.50	38%	Meets Turtle Code
7/16" Double Grey	0.94	0.46	28%	Meets Turtle Code
7/16" Bronze/White Interlayer	0.95	0.51	40%	Meets Turtle Code
7/16" Grey/White Interlayer	0.95	0.49	34%	Meets Turtle Code
7/16" Clear LoE SGP				
7/16" Clear LoE SGP	0.95	0.25	60%	Meets Turtle Code
7/16" Bronze LoE SGP	0.95	0.25	39%	Meets Turtle Code
7/16" Grey LoE SGP	0.95	0.25	34%	Meets Turtle Code
7/16" Green LoE SGP	0.95	0.25	53%	
11/16" Laminated Insulated Glass for Windows:				
11/16" Clear LoE	0.30	0.28	59%	
11/16" Bronze LoE	0.30	0.27	44%	Meets Turtle Code
11/16" Grey LoE	0.30	0.26	39%	Meets Turtle Code
11/16" Green LoE	0.30	0.27	54%	
1" Laminated Insulated Glass for French Doors:				
1" Clear LoE	0.26	0.24	58%	
1" Bronze LoE	0.26	0.24	37%	Meets Turtle Code
1" Grey LoE	0.26	0.23	32%	Meets Turtle Code
1" Green LoE	0.26	0.24	51%	
9/16" Laminated Glass for Sliding Glass Doors:				
9/16" Clear	0.93	0.71	84%	
9/16" Bronze	0.93	0.58	52%	
9/16" Grey	0.93	0.54	43%	Meets Turtle Code
9/16" Double Bronze	0.93	0.47	31%	Meets Turtle Code
9/16" Double Grey	0.93	0.43	21%	Meets Turtle Code
9/16" Clear LoE with I-89				
9/16" Clear LoE SGP	0.74	0.28	42%	Meets Turtle Code
9/16" Bronze LoE SGP	0.94	0.25	58%	
9/16" Bronze LoE SGP	0.94	0.24	38%	Meets Turtle Code
9/16" Grey LoE SGP	0.94	0.23	33%	Meets Turtle Code
9/16" Green LoE SGP	0.94	0.24	54%	

State of Florida

Wind-Borne Debris Region

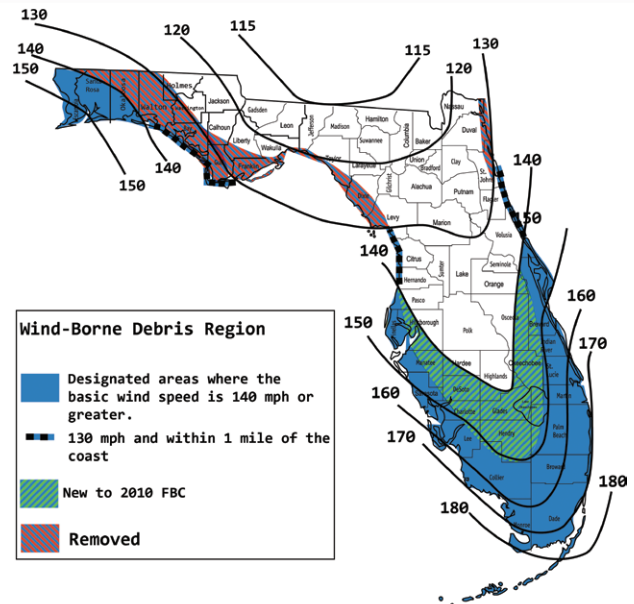


Figure 1609A Wind-Borne Debris Region, Category II and III Buildings and Structures except health care facilities