



element**SHIELD**[™]

ALUMINUM



Impact Resistant
Windows & Doors
WE'RE STRONGER[™]







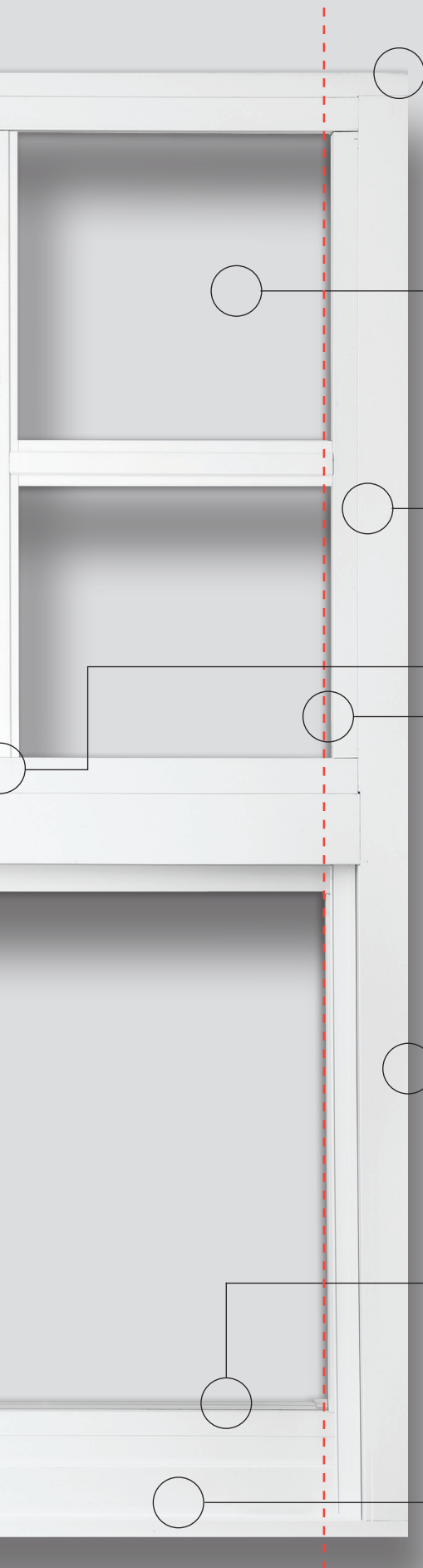
Why choose Impact Resistant Windows and Doors?

ElementShield Aluminum windows and doors are a great investment for your home. The entire impact resistant line is customized to enhance the aesthetics of every architectural style while delivering protection from severe weather conditions.

Each product is manufactured by one of the original pioneers in design and high-performance impact resistant products, CGI. CGI's strong reputation for building high quality products is why they are the preferred choice of builders and homeowners. Plus, CGI's ElementShield Aluminum products provide the following benefits:

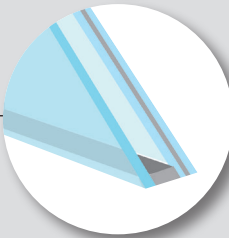
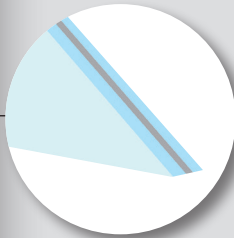
- Increase the resale value of your property
- Lower your property insurance premiums in most instances
- Decrease energy requirements for heating and cooling your property
- Provide improved security against intruders
- Eliminate up to 99% of UV ray damage to your interior furnishings
- Reduce outside noise transmission into the interior of your home or property





LARGER STAINLESS STEEL FASTENERS

Superior frame construction design with 3, #10-1 ¼ inch fasteners



GLASS OPTIONS

Available in monolithic laminated glass and laminated insulating glass



HIDDEN BALANCES

Features hidden balances for a cleaner, neater look (most sizes)



SMOOTH APPEARANCE

Better aesthetics and flush design

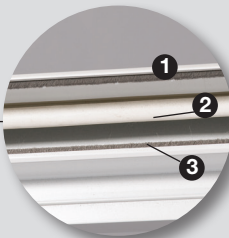
ARCHITECTURAL SIGHTLINES

Matching top and bottom sash sightlines offer a high-end symmetrical look to your home



THICK EXTRUSIONS

Up to 30% thicker aluminum extrusions for exceptional strength



TRIPLE WEATHERSTRIPPING

Triple weatherstripping at the sill creates energy-efficient air and water infiltration protection



CAPTURED BOTTOM RAIL

U-frame design improves strength and protection from water infiltration



INSIDE

OUTSIDE

Laminated Glass protects
from impacts, damaging UV
rays and sound intrusion



Tinted or Low-E glass coatings
reflect solar heat so heat energy
is reflected away and keeps
summer out, while visible light
passes through to interior



Save money with energy-efficient options

Combine the advantages of impact protection and energy savings with ElementShield Aluminum windows and doors. Save on your heating and cooling bill by selecting from a wide variety of energy-efficient glass choices including tinted glass, Low-E coatings and insulated glass. Choose your glass type based upon where you live and your budget. If you are looking for higher performance glass options, laminated glass with a Low-E coating or laminated insulating glass with a Low-E coating is available.

EASY RETROFIT

ElementShield Aluminum is custom manufactured to exact sizes within our wide range of design parameters, reducing on-site construction costs. In addition, ElementShield Aluminum's frame depth is designed for both new construction and replacement applications resulting in faster, less intrusive installations. Uniquely designed, these products are an excellent choice for your remodeling project. Improve the value, energy efficiency and aesthetics of your property.

SUPERIOR WARRANTY COVERAGE

ElementShield Aluminum products are backed by our long-standing comprehensive product warranty.

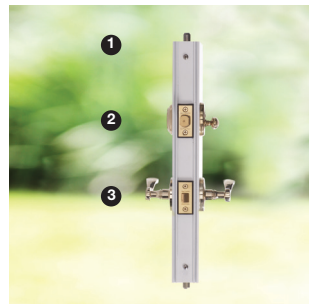




Egress Self Closing or Sweep Lock



Semi-Contoured Muntins



Three Point Locking System



Sliding Glass Door Mitered Corner

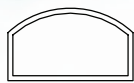


SUPER-VIEW™ SCREEN

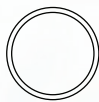
Our Super-View™ see-through screen mesh material provides strong construction and clearer, unobstructed views. It also includes a sturdy extruded screen frame.



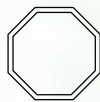
Half Circle



Arch Top /
Eyebrow



Full Circle



Octagon



Hexagon



Chord



Tombstone



Pentagon



Gothic
Pentagon



2-Lite Half
Circle or 2 X 1



4-Lite Half
Circle



4-Lite Sunburst



5-Lite Sunburst



Custom
Colonial



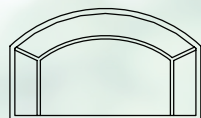
Custom
Colonial



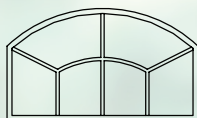
Trapezoid



4 X 2 Eyebrow



4-Lite Sunburst
Eyebrow



Custom
Colonial



4-Lite Full
Circle or 2 X 2



Custom
Colonial



Custom
Colonial



9-Lite
Octagon



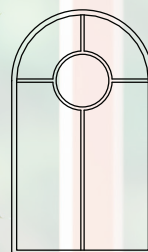
2 X 3
Tombstone



Custom
Colonial



Custom
Colonial



Custom
Colonial



Custom
Colonial



Custom
Colonial

Choose from a number
of beautiful designer
configurations.

ElementShield Aluminum Features

FRAME COLORS

- White
- Bronze
- Clear Anodize

GLASS TYPES

- Laminated
- Laminated Insulating

GLASS TINTS

- Clear
- Solexia Green
- Gray
- Privacy White Interlayer
- Dark Gray
- Mist
- Bronze
- Rain

GLASS COATINGS

- High Performance
- Low-E options

MUNTIN/GRID DESIGN

- Large assortment of muntin designs
- 1-1/4" stainless steel assembly screws
- Extruded screen frame with Super-View™ screen mesh

SLIDING GLASS DOORS

- 2, 3 & 4 track configurations
- By-Pass & Pocket configurations
- 2 track frame depth - 4-3/4"
- 3 track frame depth - 6"
- 4 track frame depth - 7-3/4"
- 7/16" Laminated glass
- 1" Laminated insulating glass
- Mitered decorative interior panel corners
- Concealed installation screws
- 2- Point lock
- Keyed lock options
- Heavy duty extruded screen frame with Super-View™ fiberglass screen mesh for use with 3 & 4 track units
- DP +80/-80 on a 4' x 8' panel or DP +60/-60 on a 4' x 10' panel

SINGLE HUNG

- 2-1/2" Frame depth
- 5/16" Laminated glass
- 3/4" Laminated insulating glass
- Equal sight lines
- Flush design
- Extruded square glazing bead
- Block and tackle balances - concealed on most sizes
- Egress bottom lock standard with option for sash mounted sash sweep lock
- Concealed installation screw
- Triple weatherstripped sill
- Frame styles: Flange, fin & equal leg
- Up to DP +80/-85

FIXED WINDOW AND DESIGNER SHAPES

- 2-1/2" Frame depth
- 7/16" Laminated glass
- 1" Laminated insulating glass
- Extruded square glazing bead
- Installation screw covers
- 10 Designer shapes
- Frame styles: Flange, fin & equal leg
- Up to DP +80/-80

PROJECT OUT / AWNING

- 2-3/8" Frame depth
- 5/16" Laminated glass
- 3/4" Laminated insulating glass
- Extruded square glazing bead
- Nesting handle
- Dual arm stainless steel operator & track
- Concealed stainless steel 4 bar hinges
- Locks with stainless steel keepers
- Double weatherstripped
- Frame styles: Flange & equal leg
- Up to DP +110/-161.9

FRENCH DOOR

- Single or Double Door
- 4" Frame depth
- 7/16" Laminated glass
- 1" Laminated insulating glass
- Patented 3-point lock
- 4 Aluminum hinges
- Outswing
- Triple weatherstripped
- Two sill covers : square or slanted
- Side lites : free standing or self- mating
- ADA saddle threshold
- Lever hardware finishes: Brushed Satin, Tuscan Bronze and Polished Brass
- Up to DP +80/-80

HORIZONTAL ROLLER

- 2-1/2" Frame depth
- 5/16" Laminated glass
- 3/4" Laminated insulating glass
- Equal and unequal configurations OX, XO, XOX
- Extruded square glazing bead
- Sash handle mounted egress lock standard with option of interlock mounted sweep lock
- Concealed jamb anchor cover
- Frame styles: Flange, fin & equal leg
- Up to DP +80/-90

CASEMENT

- 2-3/8" Frame depth
- 5/16" Laminated glass
- 3/4" Laminated insulating glass
- Extruded square glazing bead
- Nesting handle
- Single stainless steel operator & track
- Concealed stainless steel 4 bar hinges
- Locks with stainless steel keepers
- Double weatherstripped
- Frame styles: Flange & equal leg
- Up to DP +110/-194.3

Single Hung Window 110

Available with clipless mullions that are flush on the interior.
Concealed balances and stainless steel package comes standard.
Architecturally correct sightlines.

AVAILABLE FINISHES

White, Bronze, Clear Anodize

STANDARD GLASS COLORS

Clear, Gray, Dark Gray, Bronze, Solexia Green, White Interlayer, Mist, Rain

GLASS TYPES

- 5/16" Laminated
- 3/4" Laminated Insulating

GLASS COATINGS

High Performance Low-E options

STANDARD HARDWARE

Egress lock

STANDARD FEATURES

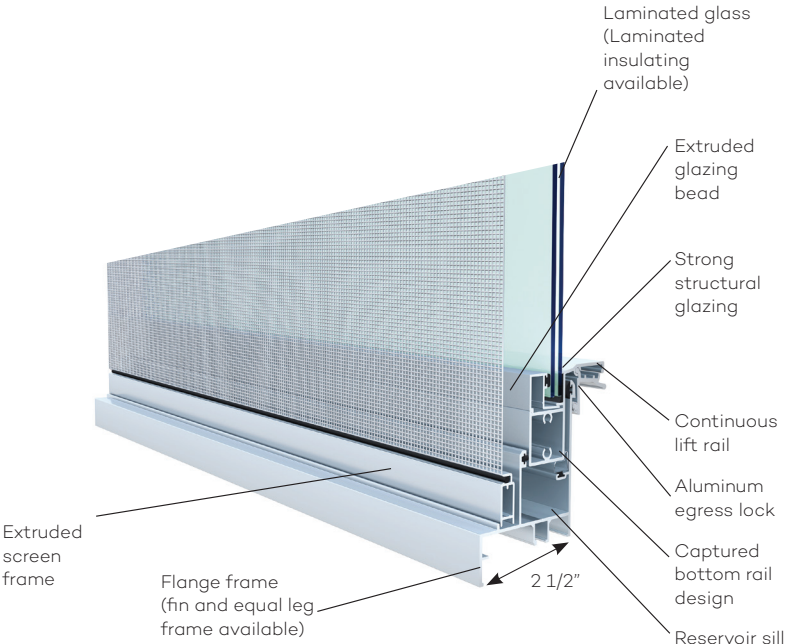
- Equal sightlines
- Flush design
- U-framed captured bottom rail with triple weatherstripping and weeped sill
- 2 1/2" deep frame
- Concealed block and tackle balances (most sizes)
- Extruded square glazing beads
- Strong structural glazing
- Concealed head anchors
- 1 1/4" stainless steel fasteners
- Extruded screen frame with Super-View™ fiberglass mesh

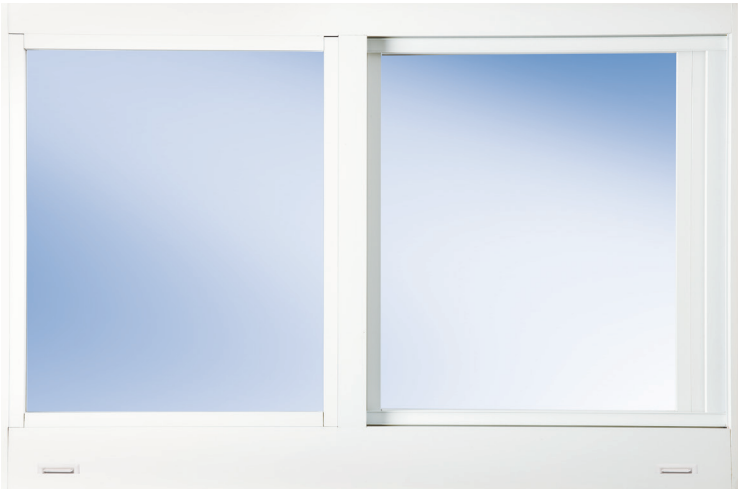
OPTIONAL ITEMS

- Meeting rail mounted sweep locks
- Configuration (Oriel)
- Flange, fin & equal leg frame options
- Additional egress self closing lock

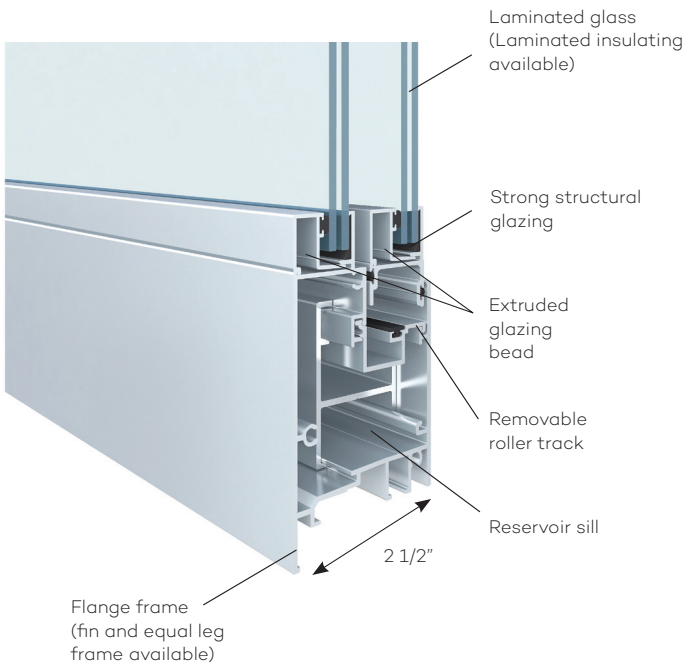


CONFIGURATION	MIN SIZE	MAX SIZE
O/X Equal	Custom: 18" x 25"	53.125" x 76"
	Standard: 19.125" x 26"	53.125" x 76"
O/X Preview	8.25" height DLO Vent	Check NOA, Max Top Lite governs





CONFIGURATION	MIN SIZE	MAX SIZE
O/X	Custom: 21" x 22"	74" x 63"
	Min Height: 28" x 24" or Min Width: 22" x 36.5"	83.5" x 63" (1/3 vent)
X/O	Custom: 21" x 22"	74" x 63"
	Min Height: 28" x 24" or Min Width: 22" x 36.5"	74" x 63"
X/O/X	44" x 22" (Ann/Ann)	111" x 63"
	44" x 24" (HS/HS)	111" x 63"



Horizontal Rolling Window 120

Available with clipless mullions that are flush on the interior. Stainless steel package comes standard. Super smooth rolling action.

AVAILABLE FINISHES

White, Bronze, Clear Anodize

STANDARD GLASS COLORS

Clear, Gray, Dark Gray, Bronze, Solexia Green, White Interlayer, Mist, Rain

GLASS TYPES

- 5/16" Laminated
- 3/4" Laminated Insulating

GLASS COATINGS

High Performance Low-E options

STANDARD HARDWARE

Egress lock

STANDARD FEATURES

- Two & three panel configurations OX, XO, XOX
- Equal & unequal configuration
- Flush design
- Double weatherstripping
- 2 1/2" deep frame
- Extruded square glazing beads
- Strong structural glazing
- Concealed jamb anchor
- 1 1/4" stainless steel fasteners
- Extruded screen frame with Super-View™ fiberglass mesh

OPTIONAL ITEMS

- Sash interlock rail mounted sweep lock
- Flange, fin & equal leg frame options

Fixed Window 130

Available with clipless mullions that are flush on the interior. Installation screw covers and stainless steel package comes standard. Up to 33 sq ft.

AVAILABLE FINISHES

White, Bronze, Clear Anodize

STANDARD GLASS COLORS

Clear, Gray, Dark Gray, Bronze, Solexia Green, White Interlayer, Mist, Rain

GLASS TYPES

- 7/16" Laminated
- 1" Laminated Insulating

GLASS COATINGS

High Performance Low-E options

STANDARD ACCESSORIES

- 1 1/4" stainless steel fasteners per corner
- Extruded square glazing beads
- 2 1/2" deep frame
- Strong structural glazing
- Installation screw covers

DESIGNER FIXED WINDOWS

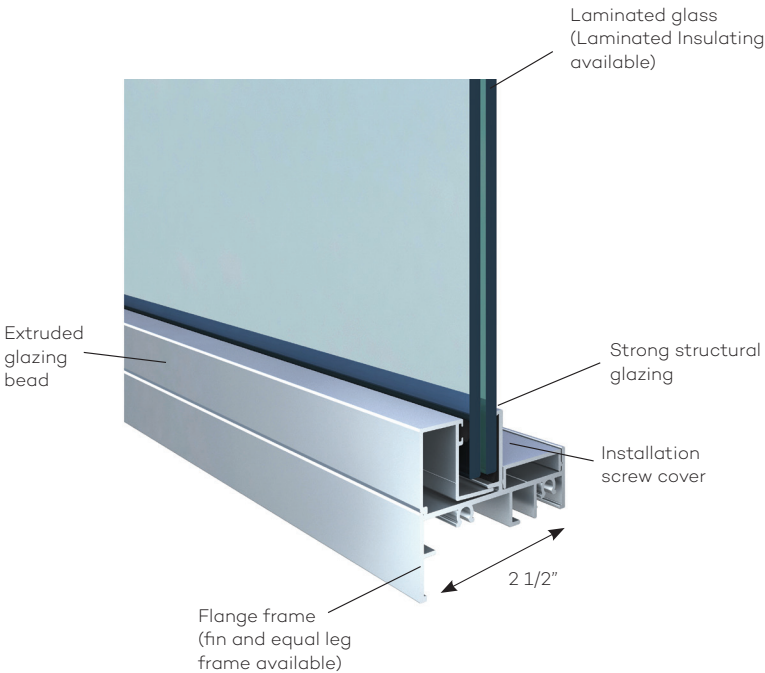
- Half circle
- Arch top/eyebrow
- Full circle
- Octagon
- Hexagon
- Chord
- Tombstone
- Trapezoid
- Pentagon
- Gothic pentagon

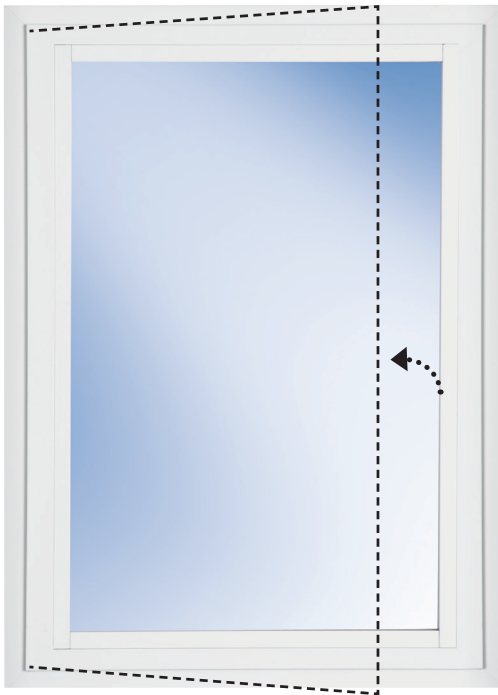
OPTIONAL ITEMS

Flange, fin & equal leg frame options



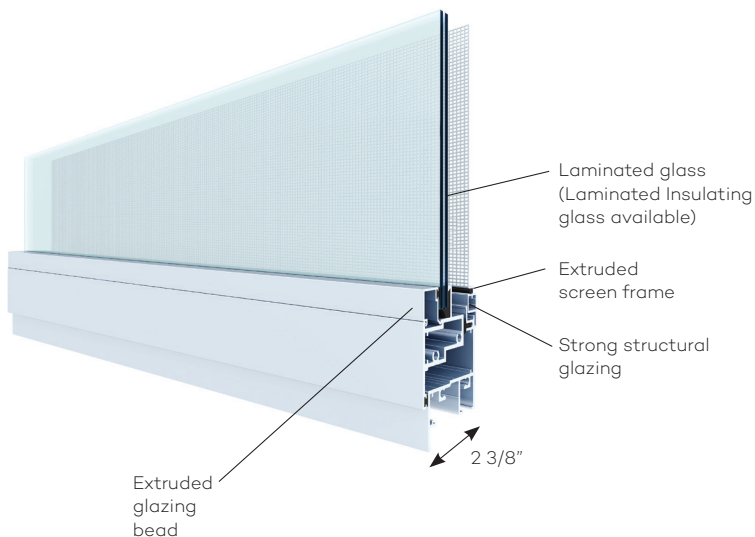
MIN SIZE	MAX SIZE
11.5" x 23.5"	max 33 sq ft (equal leg and fin= 32 st ft max) with a max 121" dimension
6" min leg frame and Frame radius min 12"	up to 60"w, up to 120" h





Opens outward from the side

MIN SIZE	MAX SIZE
18" x 21"	up to 42" w, up to 84" h



Casement Window 238SN

A stainless steel package comes standard. Also includes operator and hinges which complement the attractive architectural sightlines.

AVAILABLE FINISHES

White, Bronze, Clear Anodize

STANDARD GLASS COLORS

Clear, Gray, Dark Gray, Bronze, Solexia Green, White Interlayer, Mist, Rain

GLASS TYPES

- 5/16" Laminated
- 3/4" Laminated Insulating

GLASS COATINGS

High Performance Low-E options

STANDARD HARDWARE

- Single stainless steel operator and nesting crank handle
- Stainless steel four-bar concealed hinges
- Locks and stainless steel keepers

STANDARD FEATURES

- Extruded screen frame with Super-View™ mesh
- Extruded square glazing beads
- Double weatherstripping
- 1/2" exterior flange frame
- 2-3/8" deep frame

OPTIONAL ITEMS

- Connecting lock bar for egress windows
- Custodial type locks (for institutional use)
- Limit opening devices
- Hinges with washability feature (for high-rise use)
- Equal leg frame

Project Out Window 238SN

Stainless steel package comes standard including operator and hinges complementing the attractive architectural sightlines.

AVAILABLE FINISHES

White, Bronze, Clear Anodize

STANDARD GLASS COLORS

Clear, Gray, Dark Gray, Bronze, Solexia Green, White Interlayer, Mist, Rain

GLASS TYPES

- 5/16" Laminated
- 3/4" Laminated Insulating

GLASS COATINGS

High Performance Low-E options

STANDARD HARDWARE

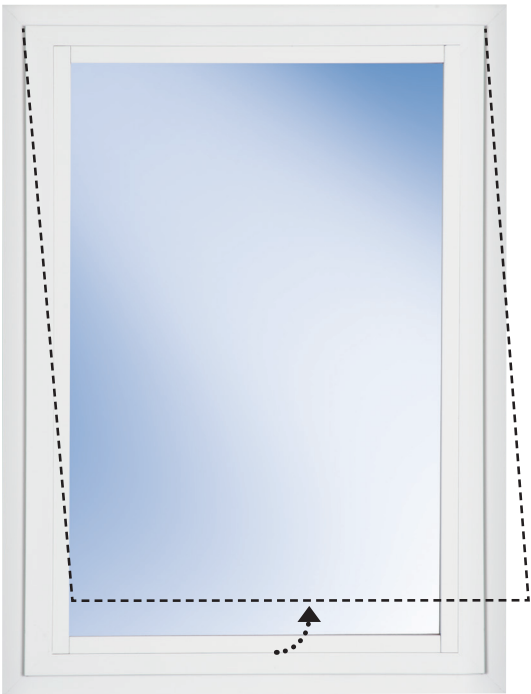
- Dual stainless steel arm operator
- Stainless steel operator track
- Stainless steel four-bar concealed hinges
- Locks and stainless steel keepers

STANDARD FEATURES

- Extruded screen frame with Super-View™ mesh
- Extruded square glazing beads
- Double weatherstripping
- 1/2" exterior flange frame
- 2-3/8" deep frame
- Maximum size: 37" x 63"

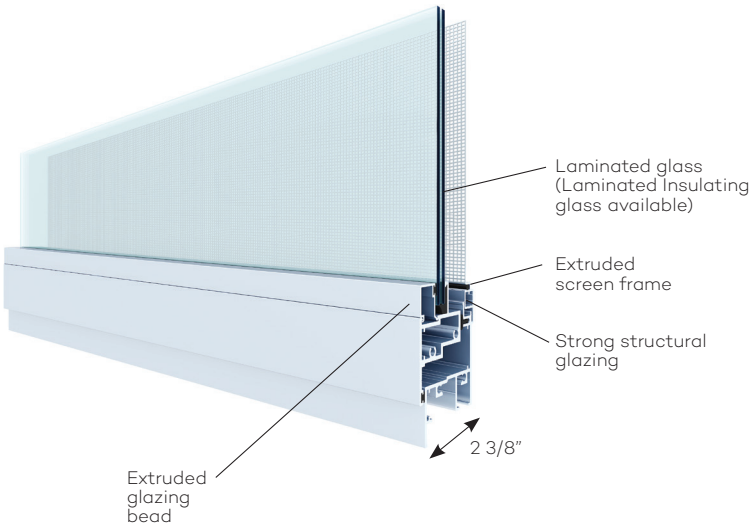
OPTIONAL ITEMS

- Opening control device
- Nesting crank handle



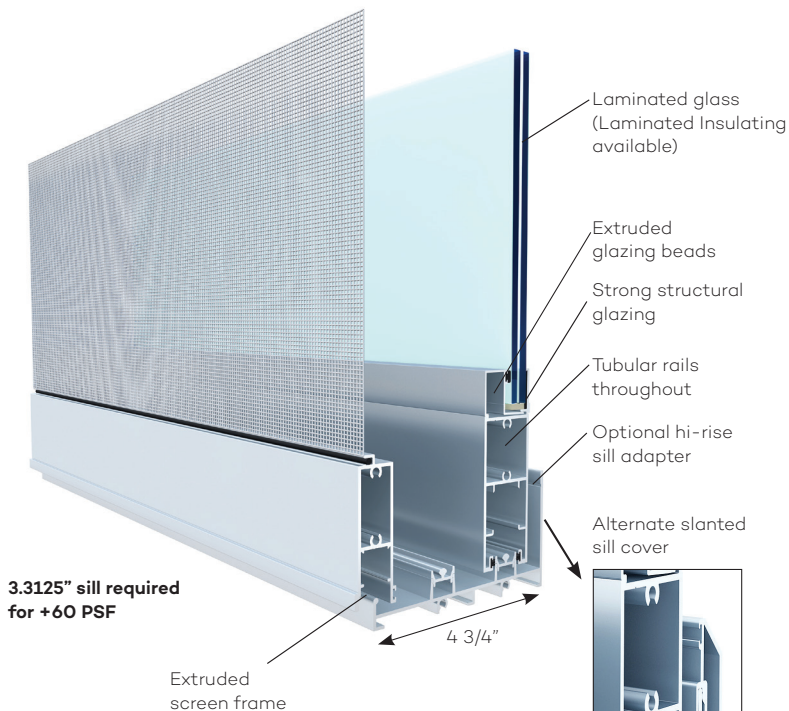
Opens outward from the bottom

MIN SIZE	MAX SIZE
18" x 18" (No Operator)	up to 84" w, up to 84" h
20" x 18" (With Operator)	up to 84" w, up to 84" h





CONFIGURATION	MIN SIZE	MAX SIZE
2-Track 2-Panel	48" x 54"	96" x 120"
2-Track 3-Panel	80" x 54"	144" x 120"
2-Track 4-Panel	96" x 54"	192" x 120"
3-Track 3-Panel	80" x 54"	142" x 120"
3-Track 6-Panel	108" x 54"	282" x 120"
4-Track 4-Panel	100" x 54"	188" x 120"
4 Track 8-Panel	150" x 54"	374" x 120"



Sliding Glass Door 150

Now with concealed fasteners, 2 point lock and updated door stop. Stainless steel package comes standard, and the 4.75" 2-track depth allows for easy retrofit install.

AVAILABLE FINISHES

White, Bronze, Clear Anodize

STANDARD GLASS COLORS

Clear, Gray, Dark Gray, Bronze, Solexia Green, White Interlayer, Mist, Rain

GLASS TYPES

- 7/16" Laminated
- 1" Laminated Insulating

GLASS COATINGS

High Performance Low-E options

STANDARD HARDWARE

- Interior lock and handle
- Stainless steel rollers
- White, Bronze or Gray handles

STANDARD FEATURES

- 2-, 3- & 4-track and pocketed configurations
- 4-3/4" deep frame on 2-track
- 6" deep frame on 3-track
- 7-3/4" deep frame on 4-track
- Mitered decorative interior corners
- Heavy duty extruded screen frame with Super-View™ fiberglass mesh
- 2-point lock
- Concealed jamb anchor cover

OPTIONAL ITEMS

- Keyed lock
- Dual track extruded screen frame with Super-View™ fiberglass mesh 3-track configurations

French Door 160

Comes standard with CGI patented 3-point lock and stainless steel package. Available with self-mating sidelites. 4" frame depth allows for easy retrofit install. Slanted or square sill covers.

AVAILABLE FINISHES

White, Bronze, Clear Anodize

STANDARD GLASS COLORS

Clear, Gray, Dark Gray, Bronze, Solexia Green, White Interlayer, Mist, Rain

GLASS TYPES

- 7/16" Laminated
- 1" Laminated Insulating

GLASS COATINGS

High Performance Low-E options

STANDARD HARDWARE

- Patented concealed 3-point lock
- Aluminum hinges

STANDARD FEATURES

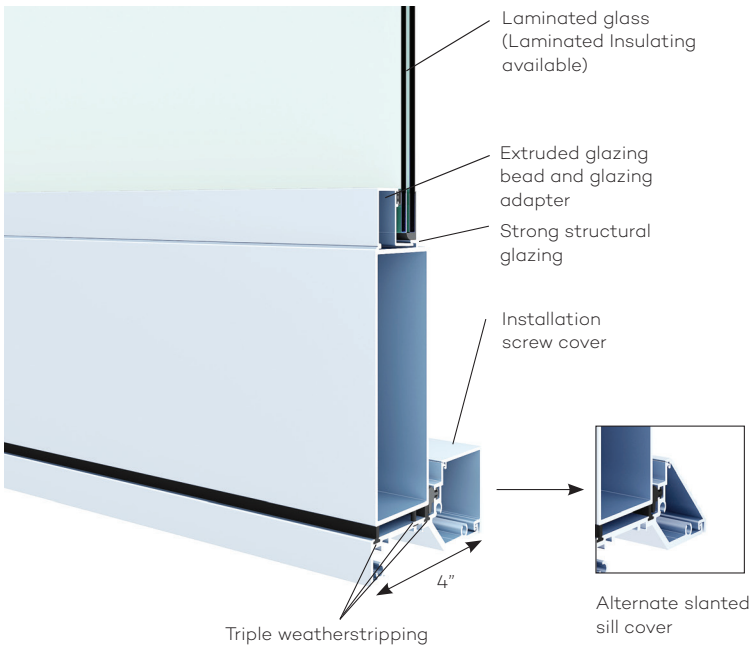
- Extruded square glazing beads
- 4" deep frame
- Concealed installation screws
- Triple weatherstripping
- Outswing configuration
- Square or slanted sill cover

OPTIONAL ITEMS

- Brushed Satin, Tuscan Bronze or Polished Brass levers
- Free-Standing and Self-Mating sidelites
- ADA saddle threshold (not water rated)
- Hardware package upgrade



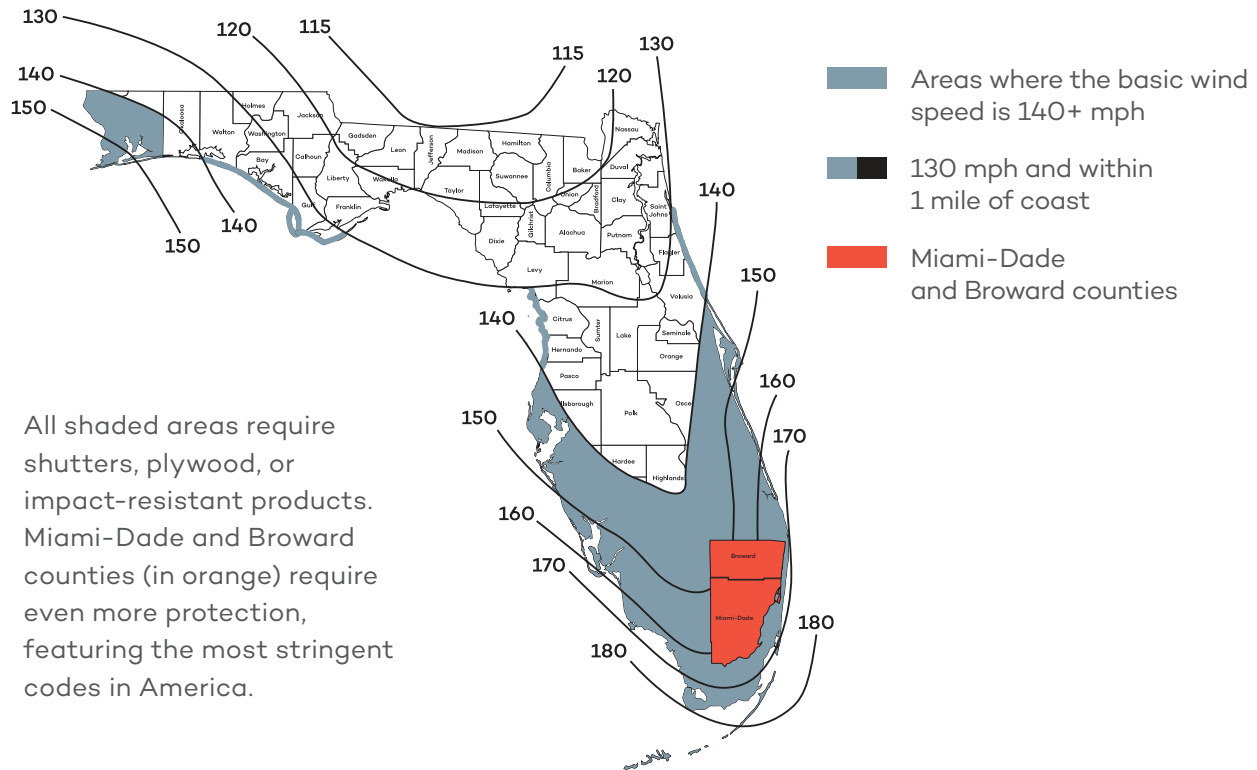
CONFIGURATION	MIN SIZE	MAX SIZE
X	20" X 72"	42" x 96"
XX	36" X 72"	81.5" x 96"
O	12.5" X 72"	42" x 96"





WIND-BORNE DEBRIS TERRITORIES

Residential remodels or new construction



All shaded areas require shutters, plywood, or impact-resistant products. Miami-Dade and Broward counties (in orange) require even more protection, featuring the most stringent codes in America.

After Hurricane Andrew in 1992, we collaborated with Florida Building officials to develop and implement these standards—better known as the Miami-Dade Notice of Acceptance.

ElementShield® products meet Miami Dade Notice of Acceptance. We* also hold the most Miami-Dade certifications in our industry.

(*PGT Innovations)



INVENT. BUILD. DELIVER.

THE PGT INNOVATIONS FAMILY OF BRANDS



Impact Resistant
Windows & Doors
WE'RE STRONGER™



CUSTOM WINDOWS + DOORS



HIGH PERFORMANCE DOORS & WINDOWS



western
window systems



EZE PORCH. EZE LIVING.



Architectural Products