

WINDOWS & SLIDING GLASS DOORS

WINFORCE®



DOUBLE HUNG



SLIDER



PICTURE



CASEMENT



AWNING



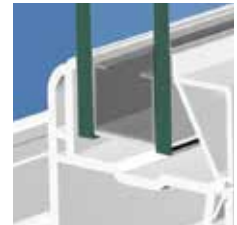
SLIDING GLASS

FEATURES

DOUBLE HUNG



100% VIRGIN VINYL



**STAINLESS STEEL
U-SPACER**

**PREMIUM DOUBLE
STRENGTH GLASS**

**DELUXE
DUAL-VENTILATION
LATCHES**

**SUBMARINE
TILT LATCHES**



**ALUMINUM REINFORCED
INTERLOCKING SASHES**

**HEAVY-DUTY
DOUBLE LOCKS**



**STAINLESS STEEL
CONSTANT FORCE
BALANCE SYSTEM**

**EXTRUDED
LIFT & PULL RAILS**



**DOUBLE
WEATHERSTRIPPING**

**LOCKING HALF SCREEN
WITH ALUMINUM FRAME**

FEATURES

SLIDER (2-LITE, 3-LITE)



100% VIRGIN VINYL



**STAINLESS STEEL
U-SPACER**

**PREMIUM DOUBLE
STRENGTH GLASS**

**HEAVY-DUTY
DOUBLE LOCKS**

**EXTRUDED
LIFT & PULL RAILS**



**ALUMINUM REINFORCED
INTERLOCKING SASHES**

**HALF SCREEN WITH
ALUMINUM FRAME**



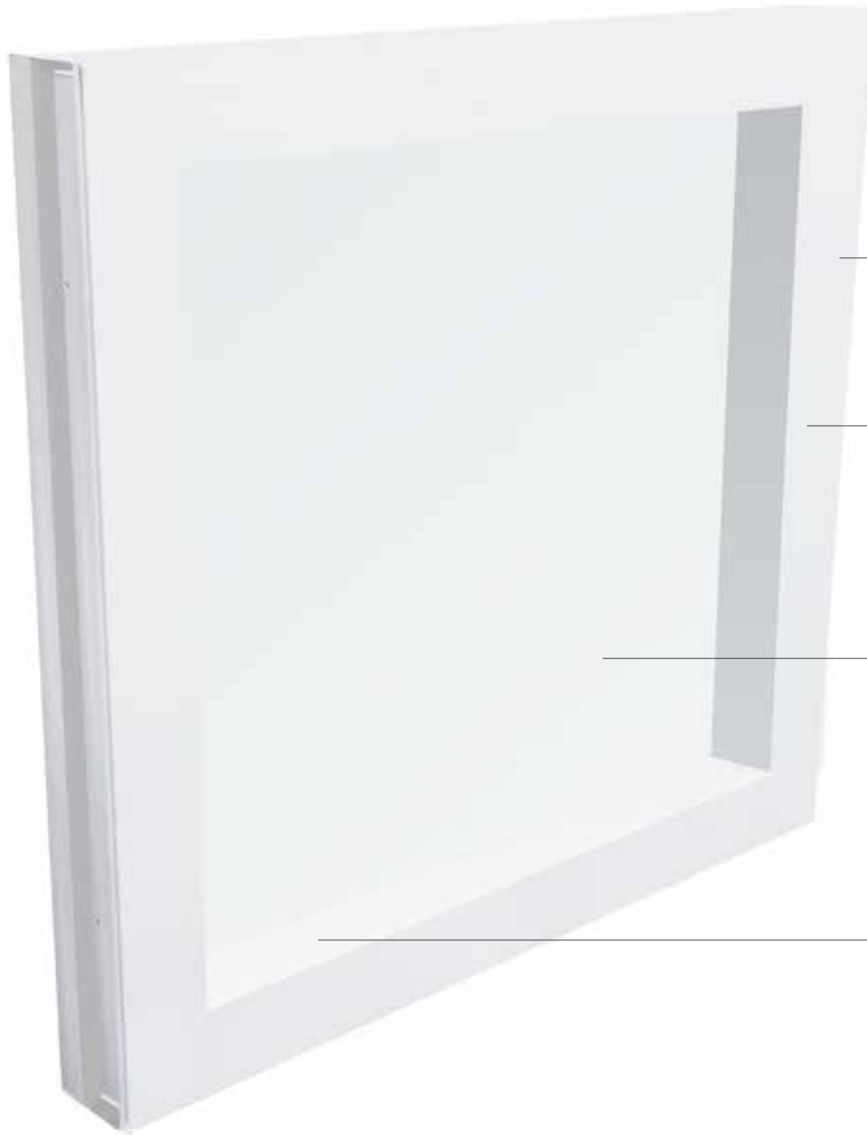
**DOUBLE
WEATHERSTRIPPING**



**AVAILABLE IN EQUAL (SHOWN)
& Q|H|Q (QUARTER|HALF|QUARTER)**

FEATURES

PICTURE

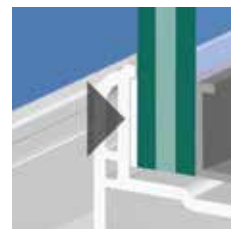


100% VIRGIN VINYL



**STAINLESS STEEL
U-SPACER**

**PREMIUM DOUBLE
STRENGTH GLASS**



STRUCTURAL SEALANT

FEATURES

CASEMENT



100% VIRGIN VINYL



**STAINLESS STEEL
U-SPACER**

**PREMIUM DOUBLE
STRENGTH GLASS**



BULB SEAL

**HEAVY-DUTY
LOCK HANDLE**

**FULL SCREEN WITH
ALUMINUM FRAME**



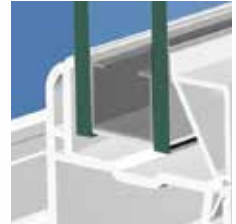
**HEAVY-DUTY
HANDLE & CRANK**

FEATURES

AWNING



100% VIRGIN VINYL



**STAINLESS STEEL
U-SPACER**

**PREMIUM DOUBLE
STRENGTH GLASS**



BULB SEAL

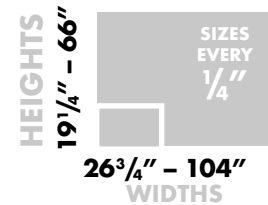
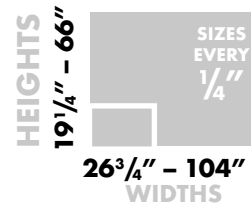
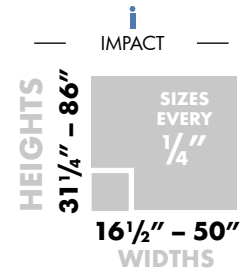
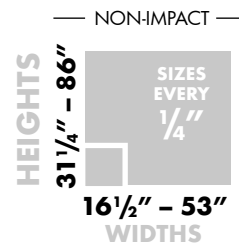
**FULL SCREEN WITH
ALUMINUM FRAME**

**HEAVY-DUTY
LOCK HANDLES**

**HEAVY-DUTY
HANDLE & CRANK**

SIZING

MANUFACTURING MIN/MAX

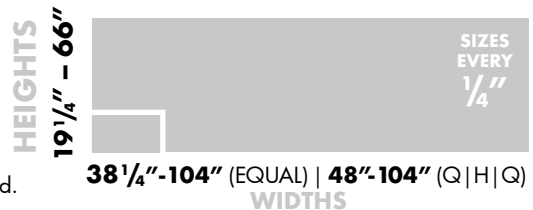


CONFIGURATIONS:

$\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{2}$ $\frac{1}{4}$

EQUAL Q | H | Q

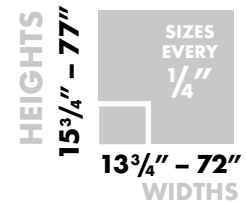
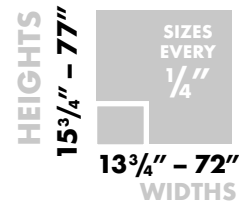
Minimum size limited by minimum laminated glass size of 10"x12". Maximum size limited by max size tested.



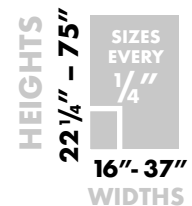
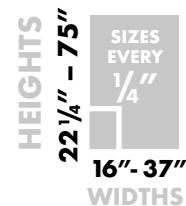
HEIGHT more than 72" requires WIDTH of 54" or less.

HEIGHT of 72" or less allows WIDTH up to 72"

Minimum size limited by minimum laminated glass size of 10"x12". Maximum size limited by max size tested.



Minimum size dictated by Roto hardware minimum width of 16"x 22.25". (Operator, Lock Bar) Max size limited by max size tested.



Minimum size dictated by Roto hardware minimum width of 18"x18". (Operator, Hinges) Max size limited by max size tested.

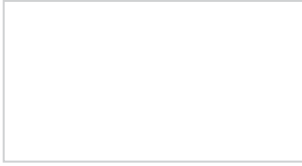
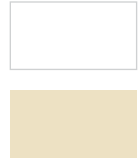


Custom sizing is dictated by rough opening. Single panel not to exceed 50¹/₄ x 92¹³/₁₆"



COLOR

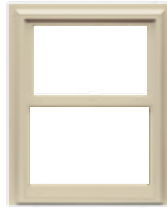
STANDARD VINYL



WHITE

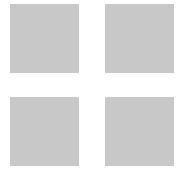


ALMOND



GRIDS

STYLE & TYPE

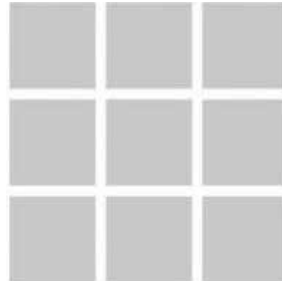


Grids are built by combining STYLE, or design made by the grid elements, and TYPE, or the material and profile of the grid element.

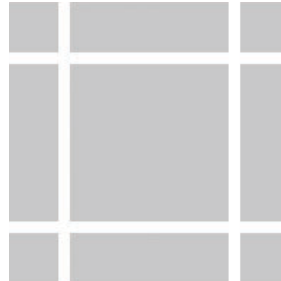
STYLE
(DESIGN) ▶

TYPE
(MATERIAL) ▼

COLONIAL
(EQUAL LITES)



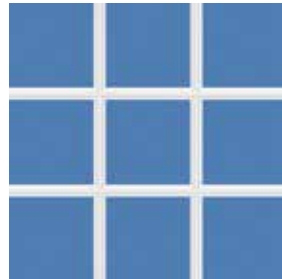
QUEEN ANNE
(PORTRAIT FRAME)



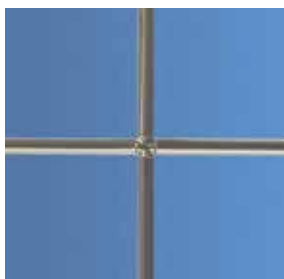
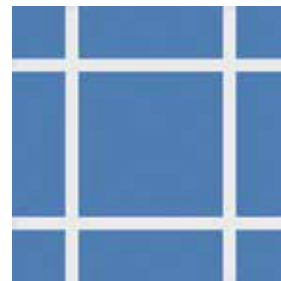
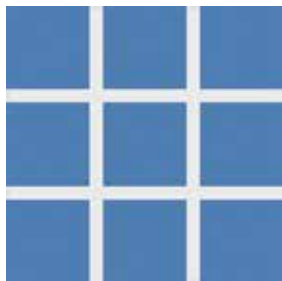
DIAMOND
(OBLIQUE LITES)



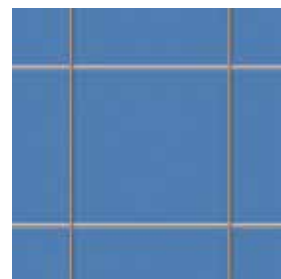
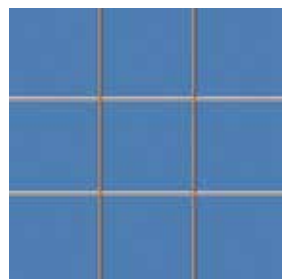
CONTOUR
(WINDOW COLOR)



FLAT
(WHITE/ALMOND/COCOA)

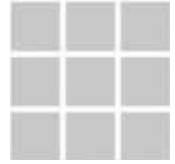


ELITE
(PEWTER/BRASS)



GRIDS

COLONIAL (EQUAL LITES)



CONTOUR
(WINDOW COLOR)



FLAT
(WHITE/ALMOND/COCOA)



ELITE
(PEWTER/BRASS)



DOUBLE HUNG



SLIDER







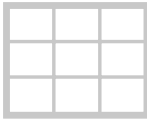
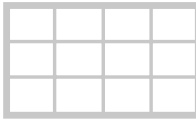
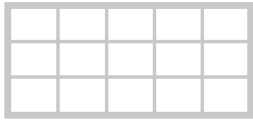




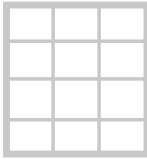
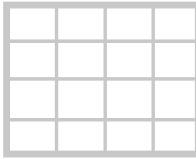
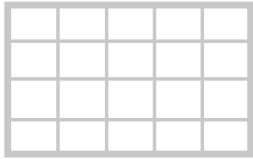




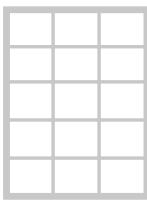
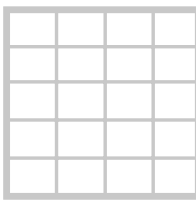
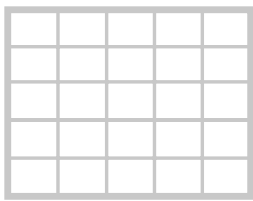




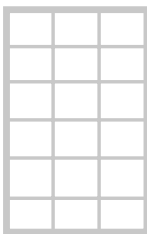
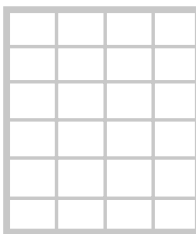
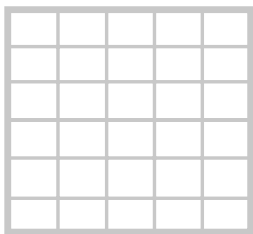


PICTURE



CASEMENT



AWNING

DOUBLE HUNG		SLIDER	PICTURE CASEMENT AWNING				
							HEIGHT 14" to 36"
1 HORZ BAR 0Vx1H	6 LITE 2Vx1H	4 LITE 1Vx1H	WIDTH 15" to 28" 6 LITE	WIDTH 28" to 36" 9 LITE	WIDTH 36" to 54" 12 LITE	WIDTH 54" to 72" 15 LITE	
							HEIGHT 36" to 48"
2 HORZ BAR 0Vx2H	8 LITE 3Vx1H	6 LITE 1Vx2H	WIDTH 15" to 28" 8 LITE	WIDTH 28" to 36" 12 LITE	WIDTH 36" to 54" 16 LITE	WIDTH 54" to 72" 20 LITE	
							HEIGHT 48" to 60"
1 VERT BAR 1Vx0H	9 LITE 2Vx2H	8 LITE 1Vx3H	WIDTH 15" to 28" 10 LITE	WIDTH 28" to 36" 15 LITE	WIDTH 36" to 54" 20 LITE	WIDTH 54" to 72" 25 LITE	
							HEIGHT 60" to 72"
2 VERT BAR 2Vx0H	10 LITE 4Vx1H	12 LITE 2Vx3H	WIDTH 15" to 28" 12 LITE	WIDTH 28" to 36" 18 LITE	WIDTH 36" to 54" 24 LITE	WIDTH 54" to 72" 30 LITE	
							
4 LITE 1Vx1H	12 LITE 3Vx2H						



GRIDS



QUEEN ANNE (PORTRAIT FRAME)



CONTOUR
(WINDOW COLOR)



FLAT
(WHITE/ALMOND/COCOA)



ELITE
(PEWTER/BRASS)



DOUBLE HUNG



SLIDER



PICTURE



CASEMENT

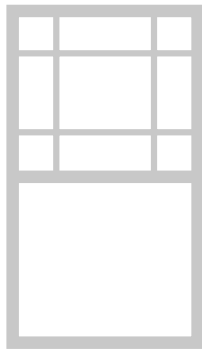


AWNING

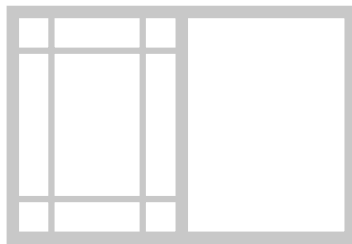
DOUBLE HUNG

SLIDER

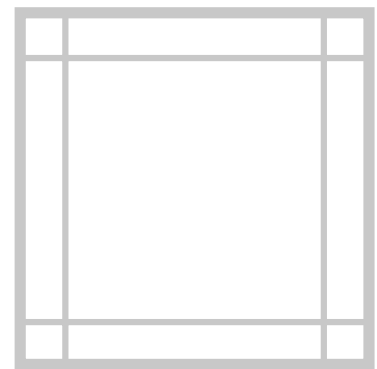
PICTURE | CASEMENT | AWNING



QUEEN ANNE
4 BAR



QUEEN ANNE
4 BAR



QUEEN ANNE
4 BAR

GRIDS

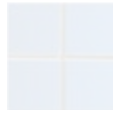
DIAMOND (OBLIQUE LITES)



CONTOUR
(WINDOW COLOR)



FLAT
(WHITE/ALMOND/COCOA)



ELITE
(PEWTER/BRASS)



DOUBLE HUNG



SLIDER



PICTURE



CASEMENT



AWNING

DOUBLE HUNG | SLIDER | PICTURE | CASEMENT | AWNING



WIDTH 11" to 24"
4D



WIDTH 16" to 24"
7D

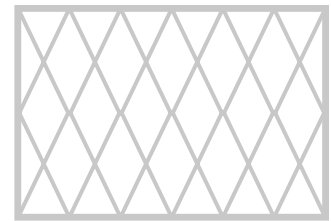


WIDTH 26" to 36"
10D



WIDTH 38" to 48"
13D

HEIGHT 12" to 24"



WIDTH 55" to 70"
32D

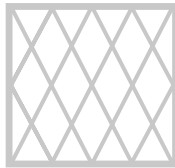
HEIGHT 24" to 48"



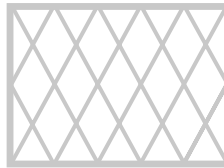
WIDTH 16" to 24"
12D



WIDTH 26" to 36"
17D

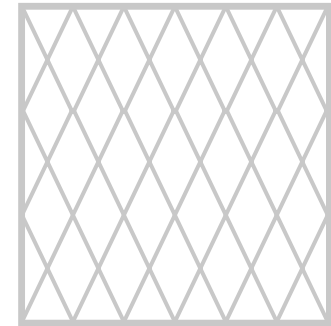


WIDTH 38" to 48"
22D



WIDTH 50" to 60"
27D

HEIGHT 24" to 48"



WIDTH 55" to 70"
45D

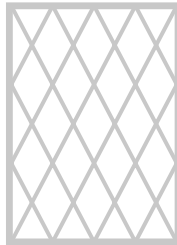
HEIGHT 46" to 60"



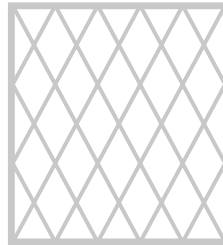
WIDTH 16" to 24"
17DT



WIDTH 26" to 36"
24D



WIDTH 38" to 48"
31D



WIDTH 50" to 60"
38D

HEIGHT 46" to 60"



WIDTH 55" to 70"
58D

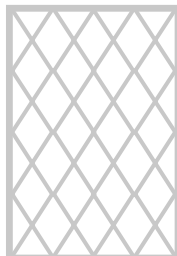
HEIGHT 55" to 60"



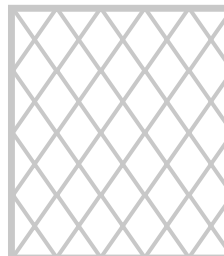
WIDTH 16" to 24"
22DT



WIDTH 26" to 36"
31DT

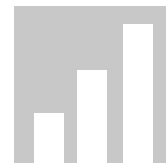


WIDTH 38" to 48"
40D



WIDTH 50" to 60"
49D

HEIGHT 60" to 84"



"ENERGY STAR® is the government-backed symbol for energy efficiency, providing simple, credible, and unbiased information that consumers and businesses rely on to make well-informed decisions." **energystar.gov**



"The National Fenestration Rating Council is a non-profit organization that establishes objective window, door, and skylight energy performance ratings to help you compare products and make informed purchase decisions." **nfrc.org**







U-FACTOR

The U-Factor is a material's effectiveness as an insulator. The lower the U-Factor, the better the unit performs as thermal insulation.

SHGC

The Solar Heat Gain Coefficient is the fraction of incident solar radiation admitted through. The lower the SHGC, the less solar heat the unit transmits.

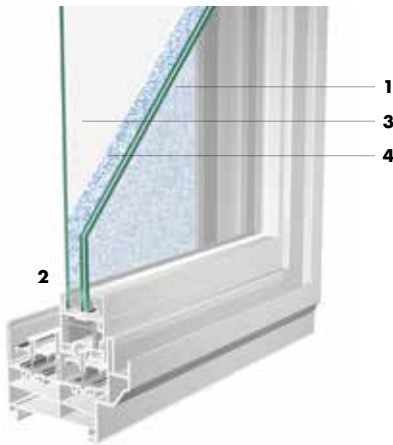
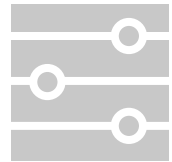
Program Requirements for Windows, Doors, & Skylights: Version 6.0 (January 1, 2016)

PERFORMANCE PACKAGE	non-impact		impact	
	STANDARD ni (CLEAR/CLEAR)	LOW-E/ARGON ni (LOW-E/ARGON)	STANDARD i (CLEAR/CLEAR)	LOW-E/ARGON i (LOW-E/ARGON)
WINDOW TYPE	U S	U S	U S	U S
 DOUBLE HUNG	.47 .55	.30 .20 (SB-70)	.46 .52	.30 .20 (SB-70)
 SLIDER	.47 .53	.30 .20 (SB-70)	.45 .50	.30 .19 (SB-70)
 PICTURE	.45 .63	.26 .23 (SB-70)	.44 .57	.26 .23 (SB-70)
 CASEMENT	.43 .52	.28 .19 (SB-70)	.42 .50	.28 .19 (SB-70)
 AWNING	.44 .52	.28 .19 (SB-70)	.42 .49	.28 .19 (SB-70)
 SLIDING GLASS	.51 .52	.35 .19 (SB-70)	.49 .49	.35 .19 (SB-70)

Thermal values are based on units produced with no grids.

FOR COMPREHENSIVE NBP PRODUCT ENERGY STAR & NFRC INFO, INCLUDING ZONE REQUIREMENTS & QUALIFICATIONS VISIT **NBPwindows.com/learn/energy-efficiency**

Copyright © 2020 Northeast Building Products Corp. • All Rights Reserved. • Specific Product Information • Version FEB2020



LOW-E/ARGON i PACKAGE (impact)

1 LAMINATED CORE GLASS

Insulated glass whose inner layer is a Lami Pack, comprising a clear flexible polymer sandwiched between two panes of glass.

2 STRUCTURAL SEALANT

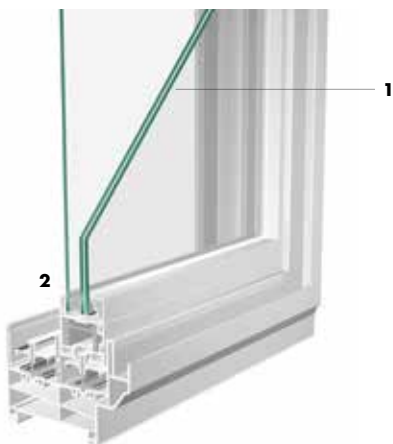
Following primer application, installed structural sealant provides seal to withstand hurricane-strength design pressure.

3 SOFT-COAT LOW-E PANE

Microscopic layers of silver and titanium dioxide are applied to Surface 2 of low-emissivity glass, rated PPG/Vitro Solarban 70. This blocks 62% of solar energy while allowing 70% of visible light through).

4 ARGON GAS

Clear, non-toxic Argon gas fills the insulated glass unit to reduce the thermal conductivity of the airspace between the glass layers for increased energy efficiency.



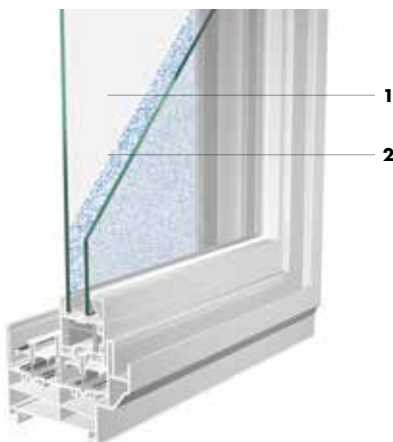
STANDARD i PACKAGE (impact)

1 LAMINATED CORE GLASS

Insulated glass whose inner layer is a Lami Pack, comprising a clear flexible polymer sandwiched between two panes of glass.

2 STRUCTURAL SEALANT

Following primer application, installed structural sealant provides seal to withstand hurricane-strength design pressure.



LOW-E/ARGON ni PACKAGE (non-impact)

1 SOFT-COAT LOW-E PANE

Microscopic layers of silver and titanium dioxide are applied to Surface 2 of low-emissivity glass, rated PPG/Vitro Solarban 60. This blocks 62% of solar energy while allowing 70% of visible light through).

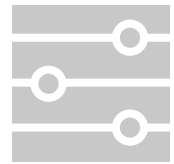
2 ARGON GAS

Clear, non-toxic Argon gas fills the insulated glass unit to reduce the thermal conductivity of the airspace between the glass layers for increased energy efficiency.



MORE OPTIONS

GLASS | SEALANT | SCREENS | NEW CONSTRUCTION | MORE



NEW CONSTRUCTION

Employ a specialized master frame designed to facilitate installation into your new home. The integrated J-channel and nailing fin help the builder install with a better and more secure fit.



SCREENS

Upgrade half screen to full screen, to be able to fully vent window. (Picture: no screen; Casement/Awning: standard full screen.)



SPECIALTY GLASS

For added privacy Northeast offers a premium quality obscure glass as an option. For additional peace of mind, Northeast also offers a specially tempered safety glass.



GREY "TURTLE" GLASS

This glass reduces light projection and transmittance of interior light to the outside by over half. This option, in some municipalities (usually coastal), satisfies a legal requirement to help protect turtle populationst their reproductive process.



FLORIDA FLANGE

Decorative trim that finishes stucco installations and provides clean trim lines for increased aesthetic appeal.



INSTA-TRIM

Flexible and bendable decorative trim includes adhesive strip and finishes installations with clean edges.



STRUCTURAL SEALANT

Included with Impact Resistance, following primer application, installed structural sealant provides seal to withstand hurricane-strength design pressure.



ORIEL STYLE/COTTAGE CONFIGURATIONS

Oriel style windows feature unequal sash configurations. This allows for a distinctive, customized look that will set your windows apart.



EXTENSION JAMB

Add an extension jamb to fill the depth of the wall space from the inside face of the window frame to the interior wall.

CONFIGURATIONS

SLIDING GLASS DOORS

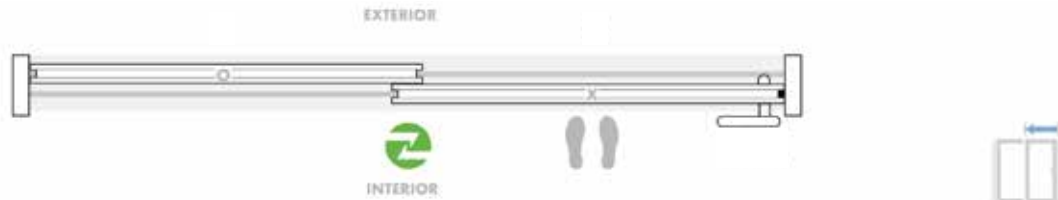


X=MOVING O=FIXED A=ASTRAGAL P=P-HOOK S=INTERLOCK →=MAX OPENING
CUSTOM SIZING DICTATED BY ROUGH OPENING. SINGLE PANEL NOT TO EXCEED 50 1/4" x 92 13/16".

XO



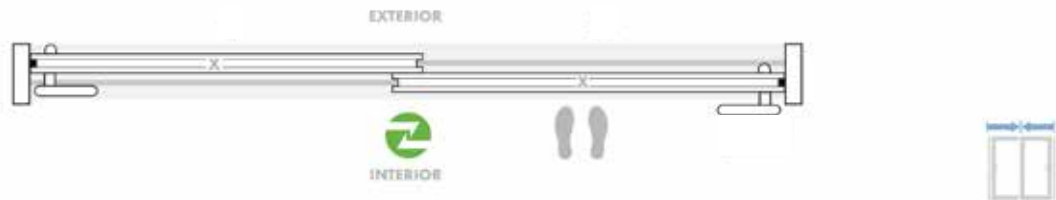
OX



XXL



XXR

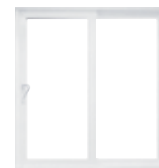


XXXL



CONFIGURATIONS

SLIDING GLASS DOORS



X=MOVING O=FIXED A=ASTRAGAL P=P-HOOK S=INTERLOCK ➡=MAX OPENING
CUSTOM SIZING DICTATED BY ROUGH OPENING. SINGLE PANEL NOT TO EXCEED 50¹/₄" x 92¹³/₁₆".

XXXR



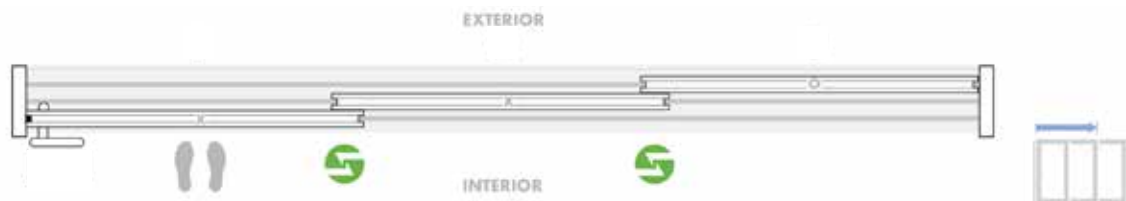
PX



XP



XXO



OXX



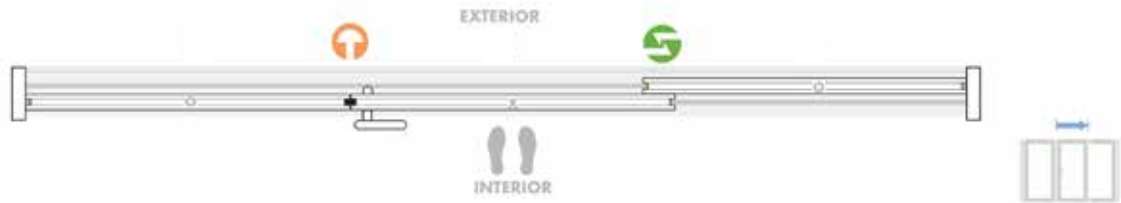
CONFIGURATIONS

SLIDING GLASS DOORS

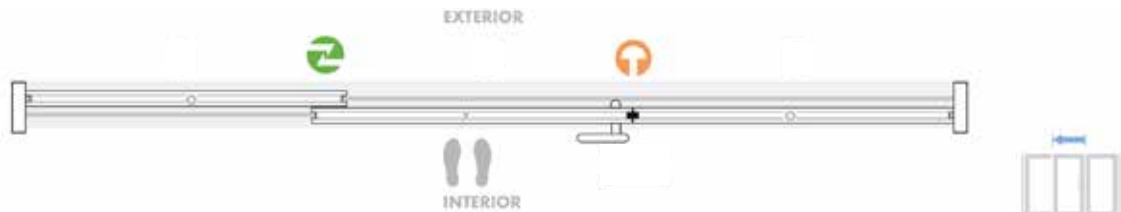


X=MOVING **O=FIXED** **T=ASTRAGAL** **P=P-HOOK** **S=INTERLOCK** **→=MAX OPENING**
CUSTOM SIZING DICTATED BY ROUGH OPENING. SINGLE PANEL NOT TO EXCEED 50¹/₄" x 92¹³/₁₆".

O-XO



OX-O



XXXO



OXXX



OX-XO



CONFIGURATIONS

SLIDING GLASS DOORS



X=MOVING **O=FIXED** **A=ASTRAGAL** **P=P-HOOK** **S=INTERLOCK** **→ = MAX OPENING**
CUSTOM SIZING DICTATED BY ROUGH OPENING. SINGLE PANEL NOT TO EXCEED 50¹/₄" x 92¹³/₁₆".

OXX-XXO



PXXX-XXXP



OXXX-XXXO



PXXXX-XXXXP



XXP



CONFIGURATIONS

SLIDING GLASS DOORS

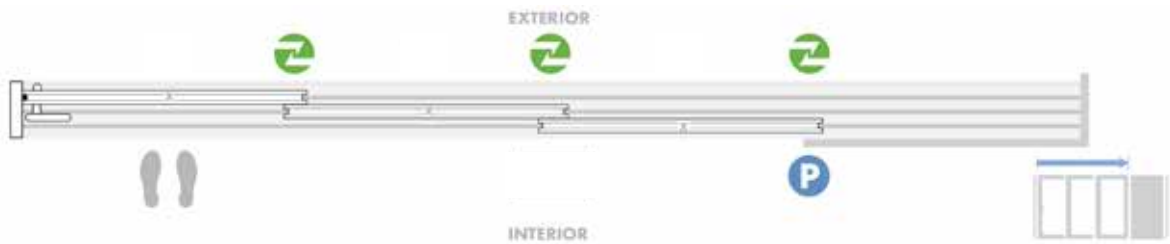


X=MOVING O=FIXED A=ASTRAGAL P=P-HOOK S=INTERLOCK ➡=MAX OPENING
CUSTOM SIZING DICTATED BY ROUGH OPENING. SINGLE PANEL NOT TO EXCEED 50 1/4" x 92 13/16".

PXX



XXXP



PXXX



XXXXP



PXXXX



CONFIGURATIONS

SLIDING GLASS DOORS



X=MOVING O=FIXED A=ASTRAGAL P=P-HOOK S=INTERLOCK ➡=MAX OPENING
CUSTOM SIZING DICTATED BY ROUGH OPENING. SINGLE PANEL NOT TO EXCEED 50¹/₄" x 92¹³/₁₆".

PXX-XXP



PXX-O



O-XXP



O-XXXP (CUSTOM)

