

# BUILDER SERIES

W I N D O W S

## TABLE OF CONTENTS

### VINYL-CLAD WINDOWS AND DOORS

600 Double Hung.....	6
----------------------	---

### VINYL WINDOWS AND DOORS

1700 Single Hung .....	8
1700 Sliding Window .....	10
2200 Double Hung.....	12
5000 Casement & Awning .....	14
5700 Sliding Patio Door .....	16
1110 Series Single Hung.....	18
1150 Double Hung .....	20
1140 Casement & 1160 Awning.....	22
1120/30 Series Sliding Window .....	24
1180 Sliding Patio Door.....	26

### WOOD WINDOWS AND DOORS

100 Double Hung.....	28
100 Casement & Awning.....	30
100 Sliding Patio Door .....	32
100 French Sliding Patio Door.....	34
100 Center Hinged Patio Door .....	36

### ALUMINUM WINDOWS AND DOORS

3710 Series Single Hung.....	38
3752/53 Series Single Hung.....	40
3724 Series Sliding Window.....	42
3780 Sliding Patio Door .....	44
4710 Series Single Hung.....	46
4720 Series Sliding Window.....	48
4780 Sliding Patio Door .....	50
4810F Single Hung .....	52
4820F Series Sliding Window.....	54

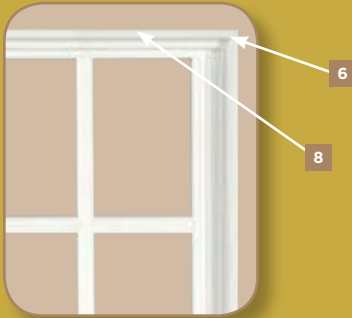
NFRC Thermal Performance Data .....	56
Color Options.....	59
Screen, Glass and Grille Style Options .....	60
Hardware, Shapes, Grille Patterns and Casing Options.....	62



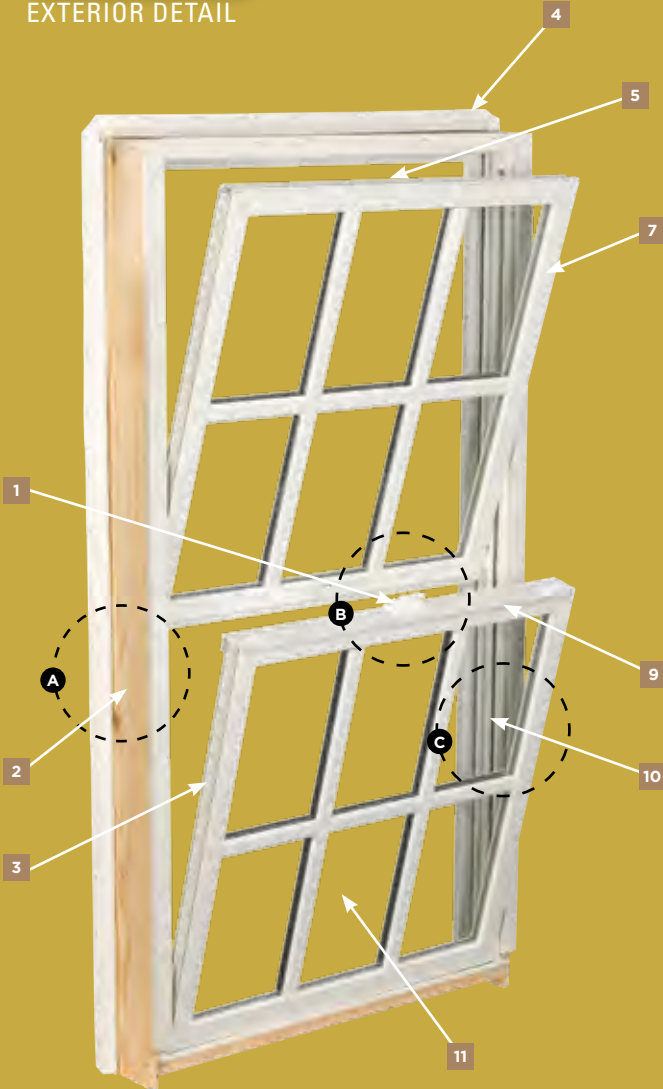
## 600 DOUBLE HUNG

**BUILDER SERIES 600 DOUBLE HUNG** vinyl-clad wood windows with paint-free all-vinyl sash, are available in singles, twins, combinations, 30° and 45° angle bays, side lites, stationaries and a wide selection of architectural shapes.





EXTERIOR DETAIL



## STANDARD FEATURES

- 1 Dual action sash lock provides security and enhanced performance
- 2 4 9/16" jamb eliminates extensive drywall work
- 3 Both sash tilt in and remove for safe and easy cleaning of exterior glass (optional Easy-Tilt sash system shown)
- 4 Pre-punched nailing fin with corner gasket for simple installation
- 5 Weatherstripping at top, bottom and check rails for efficient performance and smooth, easy opening and closing
- 6 Rigid form-fitting vinyl cladding on frame, fully welded at top two corners for maximum protection against the elements
- 7 Paint-free all-vinyl sash fully welded at the corners
- 8 Exterior integral face groove allows for easy mulling
- 9 Full-length lift rail along top of bottom sash for convenient opening and closing
- 10 Balances counter-balanced with quiet, adjustable springs for smooth up and down action
- 11 Energy-efficient warm edge insulating glass



600 double hung vinyl-clad windows come with our standard simple tilting sash system. Upgrade to our more convenient Easy-Tilt sash system that allows for easy one touch tilt-in cleaning of the exterior glass.



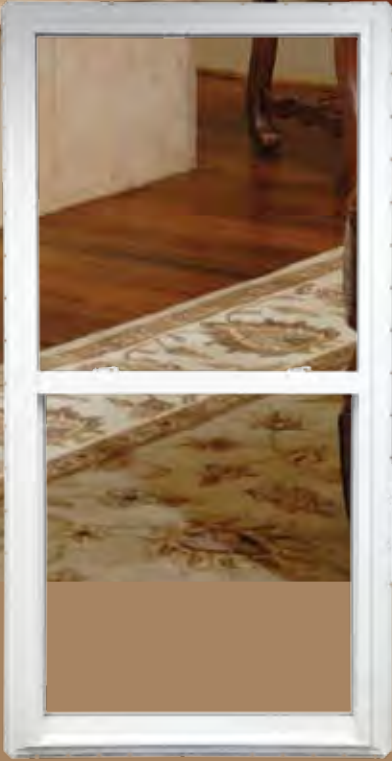
**A** 4 9/16" jamb eliminates extensive drywall work



**B** Dual action sash lock provides security and enhanced performance



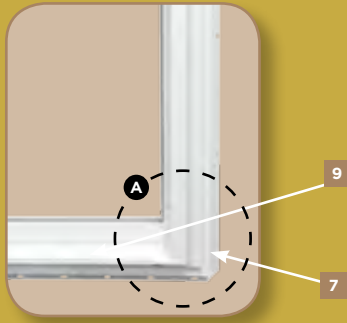
**C** Balances counter-balanced with quiet, adjustable springs for smooth up and down action



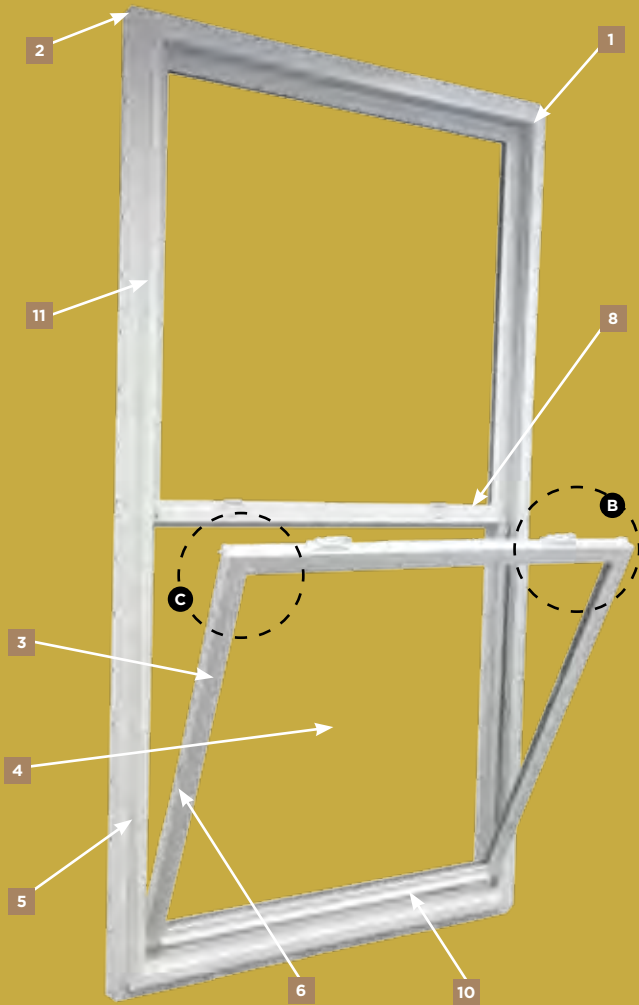
## 1700 SINGLE HUNG

**BUILDER SERIES 1700 SINGLE HUNG** vinyl windows are available in singles, twin, triples, combinations, fixed and a wide selection of architectural shapes.





EXTERIOR DETAIL



## STANDARD FEATURES

- 1 Maintenance-free multi-chamber PVC construction with fully fusion welded corners on sash and frame
- 2 Pre-punched nail fin for accurate installation
- 3 Bottom sash tilts in and removes for safe and easy cleaning of exterior glass
- 4 Energy-efficient warm edge insulating glass
- 5 2 7/8" frame depth, ideal for new construction applications
- 6 Specially designed weather seals on sash and frame for enhanced energy efficiency and exceptional weather-tight performance
- 7 Integral siding pocket allows for cleaner siding installations
- 8 Drywall accessible on call size heights of 4-4 and taller
- 9 Removable sill insert allows for easy replacement if damaged without replacing frame
- 10 Integral lift handles makes opening windows easier
- 11 Interior and exterior accessory groove



1700 single hung vinyl windows come with our standard simple tilting sash system allowing homeowners to tilt in bottom sash for safe cleaning of exterior glass. Integral mull (continuous head and sill) options available.

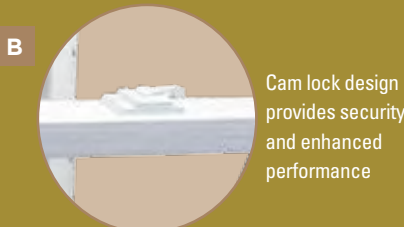


**PLY GEM BUILDER SERIES 1700 WINDOWS HAVE BEEN GREEN APPROVED BY THE NAHB RESEARCH CENTER.**

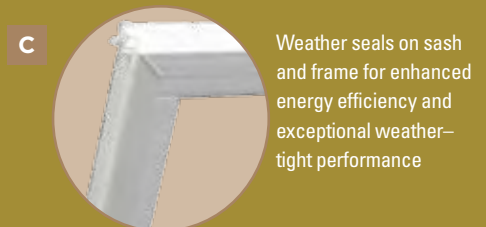
This means you can be assured that Ply Gem Builder Series 1700 windows comply with specific green practice criteria in the National Green Building Standard. Visit [www.GreenApprovedProducts.com](http://www.GreenApprovedProducts.com) for more details.



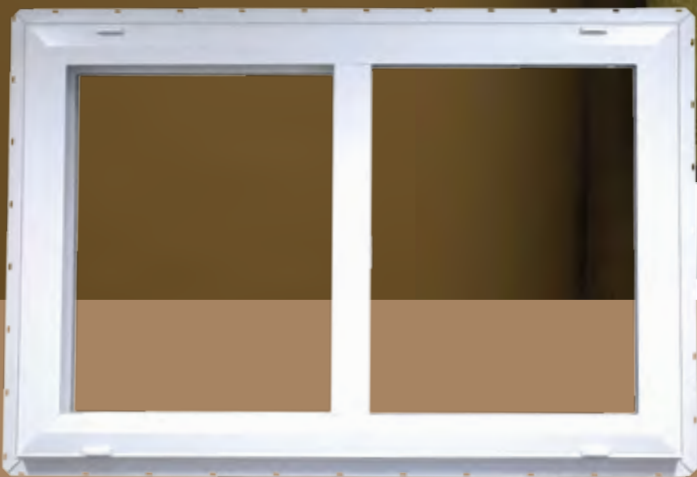
Integral siding pocket allows for cleaner siding installations



Cam lock design provides security and enhanced performance



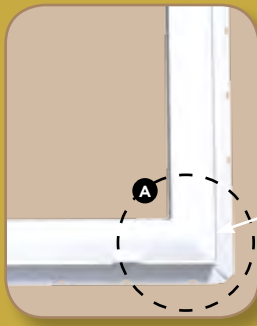
Weather seals on sash and frame for enhanced energy efficiency and exceptional weather-tight performance



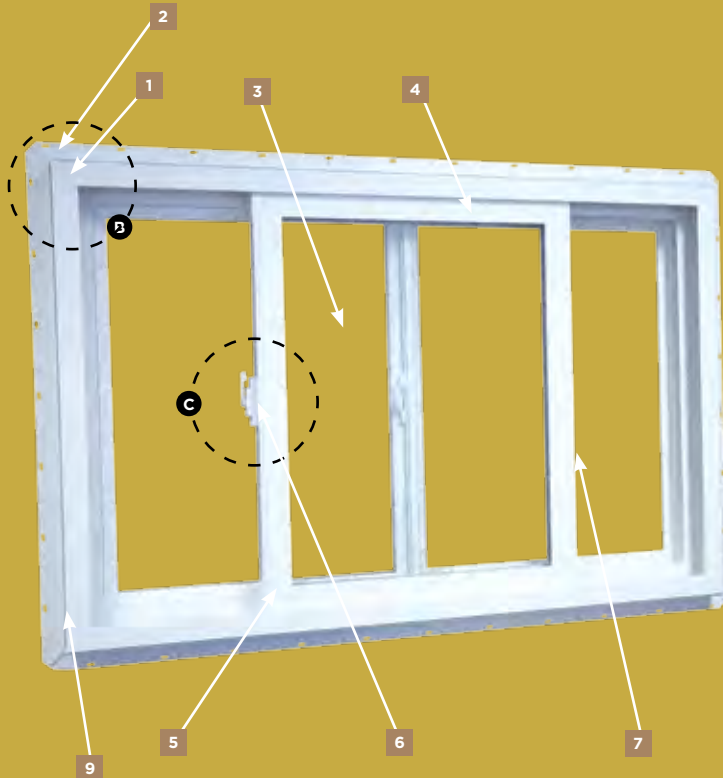
## 1700 SLIDING WINDOW

**BUILDER SERIES 1700 VINYL SLIDING WINDOWS** are available in two different picture configurations ( $\frac{1}{4}$ - $\frac{1}{2}$ - $\frac{1}{4}$  or  $\frac{1}{3}$ - $\frac{1}{3}$ - $\frac{1}{3}$ ).





EXTERIOR DETAIL



## STANDARD FEATURES

- 1 Maintenance-free multi-chamber PVC construction with fully fusion welded corners on sash and frame
- 2 Pre-punched nail fin for accurate installation
- 3 Energy-efficient warm edge insulating glass
- 4 Convenient lift-out sash for easy cleaning
- 5 Easy-gliding sash with maintenance-free nylon pad slider
- 6 Cam lock design provides security and enhanced performance
- 7 Double-opposed weatherstrip on sash ensures smooth operation, increased weatherability
- 8 Available with or without integral siding pocket
- 9 Interior and exterior accessory groove



1700 vinyl sliding windows feature convenient lift-out sash for easy cleaning. Factory applied jamb extensions available in 4 9/16" and 6 9/16" widths.



**PLY GEM BUILDER SERIES 1700 WINDOWS HAVE BEEN GREEN APPROVED BY THE NAHB RESEARCH CENTER.**

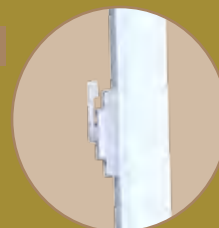
This means you can be assured that Ply Gem Builder Series 1700 windows comply with specific green practice criteria in the National Green Building Standard. Visit [www.GreenApprovedProducts.com](http://www.GreenApprovedProducts.com) for more details.



**A** Integral siding pocket allows for cleaner siding installations



**B** Maintenance-free multi-chamber PVC construction with fully fusion welded corners on sash, frame and pre-punched nail fin



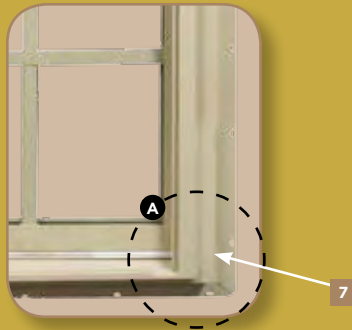
**C** Cam lock design provides security and enhanced performance



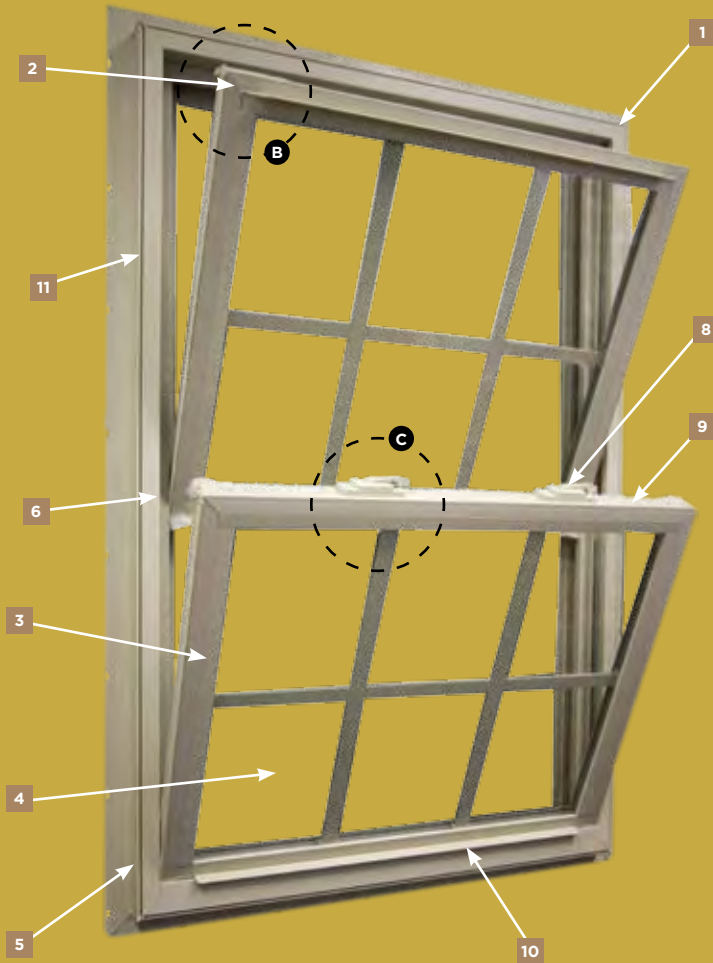
## 2200 DOUBLE HUNG

**BUILDER SERIES 2200 DOUBLE HUNG** vinyl windows are available in singles, fixed and a wide selection of architectural shapes.





EXTERIOR DETAIL



## STANDARD FEATURES

- 1 Maintenance-free multi-chamber PVC construction
- 2 Fully fusion welded sash and frame for superior structural strength
- 3 Both sash tilt in and remove for safe and easy cleaning of exterior glass
- 4 Energy-efficient warm edge insulating glass
- 5 2 7/8" frame depth, ideal for new construction applications
- 6 T-bar assembly in upper sash helps ensure a square installation and enhances energy efficiency
- 7 Integral 11/16" siding pocket which saves time and expense on siding installations
- 8 Integral interlock system provides protection against air infiltration and makes window more secure
- 9 Double weatherstripped sash provides extra protection against dust, dirt, and noise
- 10 Integral lift handles makes opening windows easier
- 11 Interior and exterior accessory groove



2200 double hung vinyl windows come with our standard simple tilting sash system allowing homeowners to tilt in both sash for safe cleaning of exterior glass.



**PLY GEM BUILDER SERIES 2200 WINDOWS HAVE BEEN GREEN APPROVED BY THE NAHB RESEARCH CENTER.**

This means you can be assured that Ply Gem Builder Series 2200 windows comply with specific green practice criteria in the National Green Building Standard. Visit [www.GreenApprovedProducts.com](http://www.GreenApprovedProducts.com) for more details.



**A** Integral 11/16" siding pocket which saves time and expense on siding installations



**B** Fully fusion welded sash and frame for superior structural strength



**C** Integral interlock system provides protection against air infiltration and makes window more secure



## 5000 CASEMENT & AWNING

**BUILDER SERIES 5000 CASEMENT & AWNING** vinyl windows are available in singles, twins, triples, quads, fixed and a wide selection of architectural shapes.





## STANDARD FEATURES

- 1 Maintenance-free multi-chamber PVC construction with fully welded corners on sash and frame
- 2 Fully fusion welded sash and frame for superior structural strength
- 3 Pre-punched integral nailing fin for simple installation
- 4 Interior accessory groove
- 5 Energy-efficient warm edge insulating glass
- 6 Casements are available right or left hand operating
- 7 Single handle multi-point locking system
- 8 Ellipse operator with stainless steel hinge track and adjustable hinges
- 9 Casement sash opens 90° for ventilation and easy cleaning



5000 casement & awning windows feature a sash system allowing homeowners to open sash 90° for safe cleaning of exterior glass. Casement & awning units both feature a weather-resistant stainless steel hinge track with adjustable hinge that ensures consistent and precise operation.



**PLY GEM BUILDER SERIES 5000 WINDOWS HAVE BEEN GREEN APPROVED BY THE NAHB RESEARCH CENTER.**

This means you can be assured that Ply Gem Builder Series 5000 windows comply with specific green practice criteria in the National Green Building Standard. Visit [www.GreenApprovedProducts.com](http://www.GreenApprovedProducts.com) for more details.

**A**



Maintenance-free multi-chamber PVC construction with fully welded corners for durability, weather-tight performance and beauty

**B**

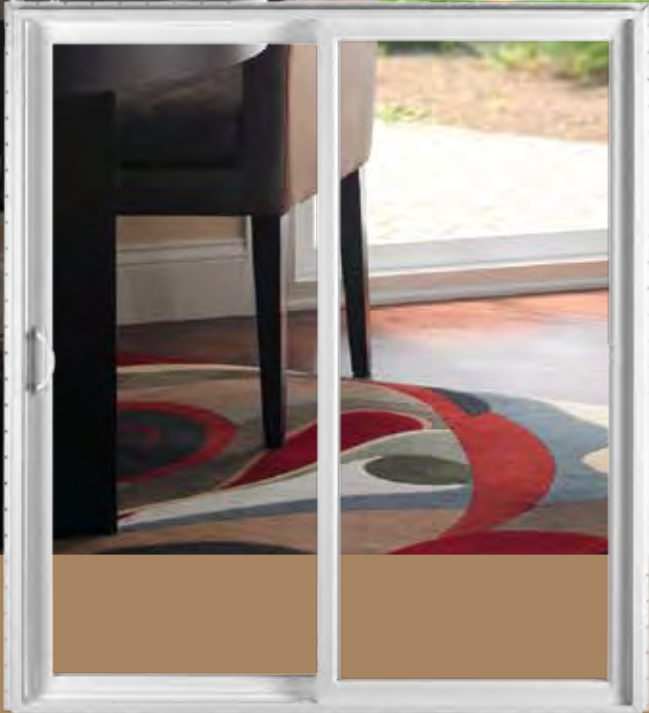


Single handle multi-point locking system so you can easily secure your windows in one operation

**C**



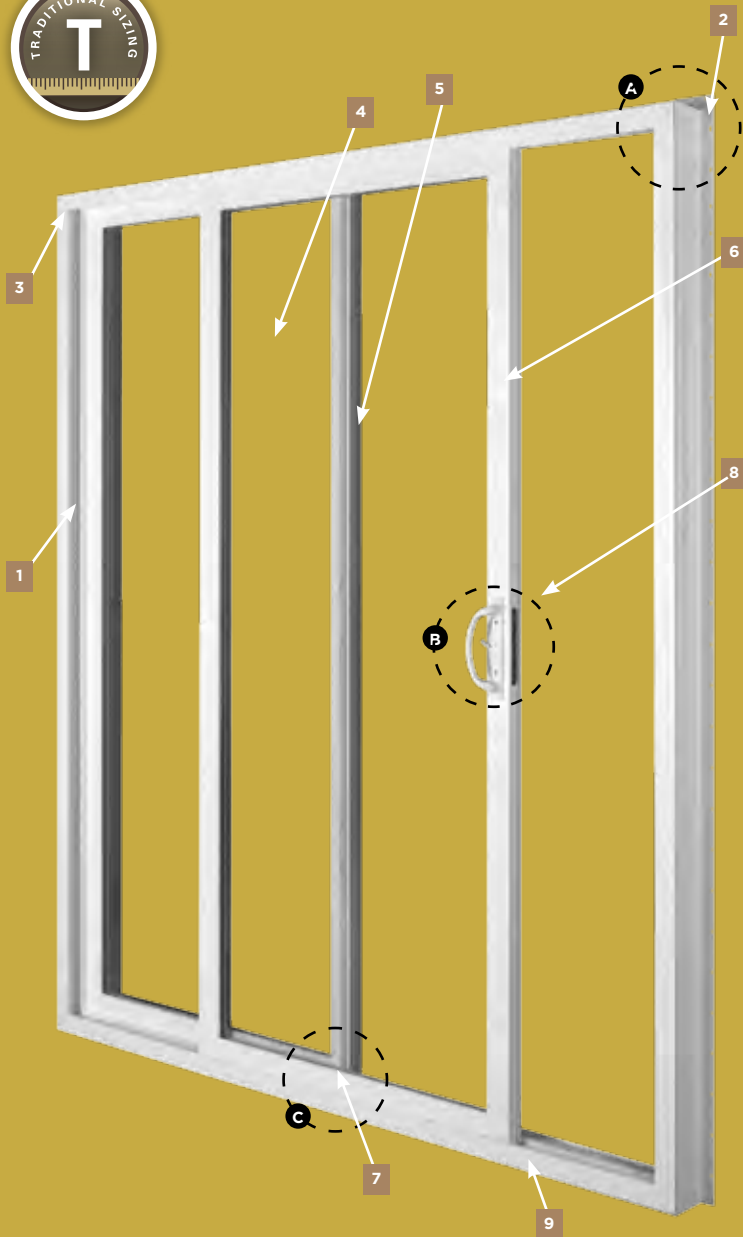
Split-arm gear operator to ensure smooth operation when opening and closing your windows



## 5700 SLIDING PATIO DOOR

**BUILDER SERIES 5700 SLIDING VINYL PATIO DOORS** are available with matching fixed panels, side lites, transoms and segmented transoms.





## STANDARD FEATURES

- 1 Maintenance-free multi-chamber PVC construction with fully fusion welded corners on panel and frame
- 2 Pre-punched nailing fin with fusion welded corners
- 3 Interior and exterior accessory groove for drywall return, extension jamb and exterior brick mould application
- 4 Energy-efficient warm edge insulating tempered glass
- 5 Self-centering interlock satisfies forced entry requirements
- 6 Field reversible panels for simple on-site conversions (8-0 height is not reversible)
- 7 Simple roller adjustment access through end of panel
- 8 Color coordinated powder coated handle provides aesthetically pleasing, comfortable performance
- 9 Aluminum threshold and sill track



5700 vinyl sliding patio doors feature a unique design that allows for simple field reversibility before or after installation. They are constructed with full-perimeter weatherstripping for a tight seal. Exterior handles are available with or without keyed lock. Optional ADA compliance kit with handle and ramps available.



**PLY GEM BUILDER SERIES 5700 DOORS HAVE BEEN GREEN APPROVED BY THE NAHB RESEARCH CENTER.**

This means you can be assured that Ply Gem Builder Series 5700 doors comply with specific green practice criteria in the National Green Building Standard. Visit [www.GreenApprovedProducts.com](http://www.GreenApprovedProducts.com) for more details.

A



Interior and exterior accessory groove for drywall return, extension jamb and exterior brick mould application

B



Color coordinated powder coated handle provides aesthetically pleasing, comfortable performance

C



Simple roller adjustment access through end of panel ensures smooth operation

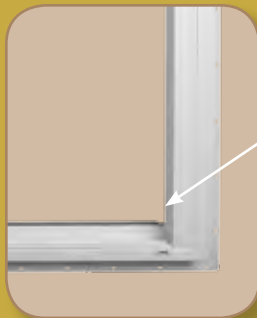


## 1110 SERIES SINGLE HUNG

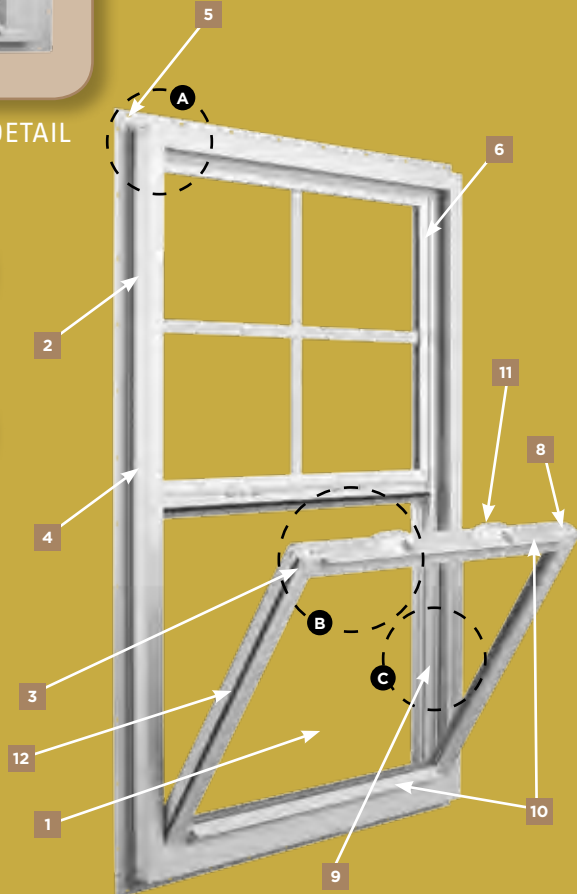
**BUILDER SERIES 1110 SERIES SINGLE HUNG** vinyl windows are available in singles, twins, triples, combinations, fixed and a wide selection of architectural shapes.



# 1110 SERIES SINGLE HUNG



EXTERIOR DETAIL



## STANDARD FEATURES

- 1 Energy-efficient warm edge insulating glass
- 2 Maintenance-free multi-chamber PVC construction
- 3 Fully fusion welded corners on sash and frame for superior structural strength
- 4 2 3/4" frame depth
- 5 Nail fin setback available in 1" and 1 3/8"
- 6 Interior glazed top sash
- 7 Exterior glazed bottom sash
- 8 Flush mounted tilt latches
- 9 Block and tackle balances
- 10 Dual lift rails on bottom sash for easy operation
- 11 Cam and keeper locks
- 12 Bottom sash tilts in and is removable for easy cleaning



1110 series single hung vinyl windows feature a traditional brick mould appearance. They come with simple tilting sash system, allowing homeowners to tilt in bottom sash for safe cleaning of exterior glass.

## SINGLE HUNG SELECTION GUIDE

SERIES	NAIL FIN SETBACK	TOP SASH REMOVABLE	HIGH WIND ZONE	FLORIDA APPROVED	CONSTRUCTION TYPE			
					WOOD SIDING	BRICK	3 COAT STUCCO	EIFIS
1110 S	1"				●	●	●	
1110 NS	1 3/8"				●	●	●	●
1111 S	1"		●	●	●	●	●	
1111 NS	1 3/8"		●	●	●	●	●	●
1115 S	1"	●			●	●	●	
1115 NS	1 3/8"	●			●	●	●	●



**GREEN APPROVED**

PLY GEM BUILDER SERIES 1110 WINDOWS HAVE BEEN GREEN APPROVED BY THE NAHB RESEARCH CENTER.

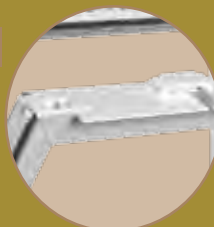
This means you can be assured that Ply Gem Builder Series 1110 windows comply with specific green practice criteria in the National Green Building Standard. Visit [www.GreenApprovedProducts.com](http://www.GreenApprovedProducts.com) for more details.

A



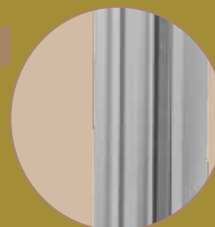
Maintenance-free multi-chamber PVC construction with fully fusion welded corners on sash and frame for superior structural strength

B



Flush mounted tilt latches, dual lift rails and cam and keeper locks

C



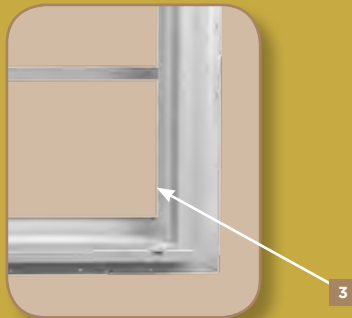
Block and tackle balances



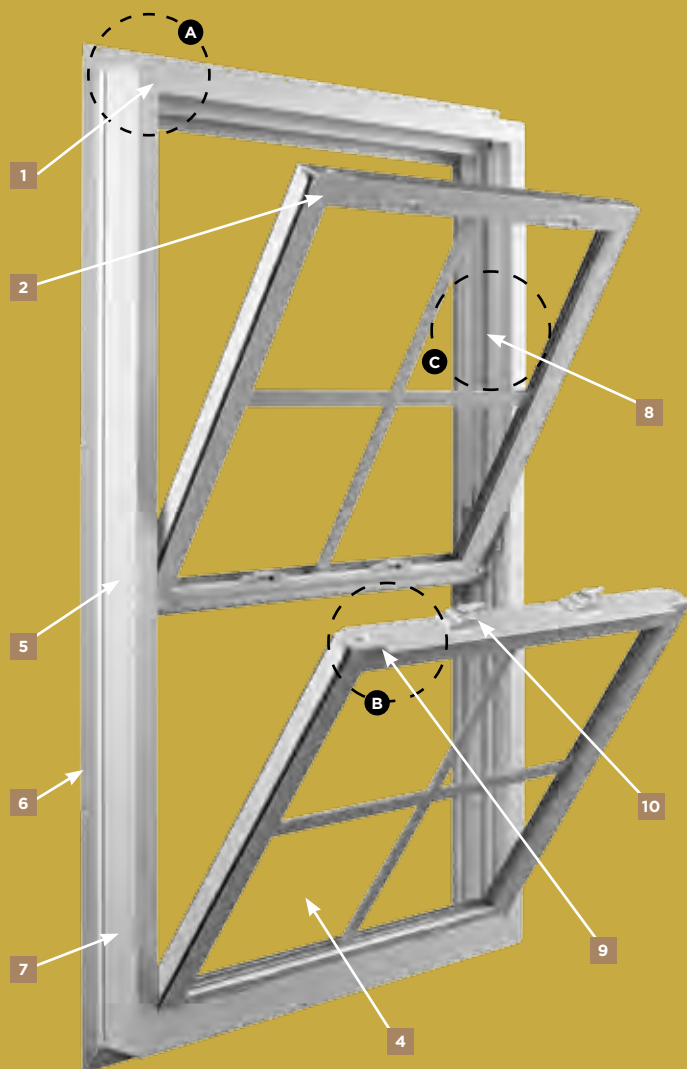
## 1150 DOUBLE HUNG

**BUILDER SERIES 1150 DOUBLE HUNG** vinyl windows are available in singles, twins, triples, combinations, fixed and a wide selection of architectural shapes. They can be mulled with a continuous head and sill on twins and triples.





EXTERIOR DETAIL



## STANDARD FEATURES

- 1 Maintenance-free multi-chamber PVC construction
- 2 Fully fusion welded corners on sash and frame for superior structural strength
- 3 Both exterior glazed sash tilt in and remove for safe and easy cleaning of exterior glass
- 4 Energy-efficient warm edge insulating glass
- 5 3 1/2" frame depth
- 6 1" nail fin setback
- 7 Steel reinforced jamb
- 8 Block and tackle balances
- 9 Flush mounted tilt latches
- 10 Cam and keeper locks



1150 double hung vinyl windows feature a traditional brick mould appearance. They come with simple tilting sash system, allowing homeowners to tilt in both sash for safe cleaning of exterior glass.



**PLY GEM BUILDER SERIES 1150 WINDOWS HAVE BEEN GREEN APPROVED BY THE NAHB RESEARCH CENTER.**

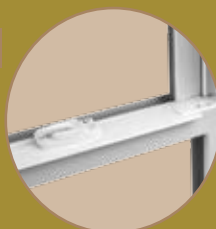
This means you can be assured that Ply Gem Builder Series 1150 windows comply with specific green practice criteria in the National Green Building Standard. Visit [www.GreenApprovedProducts.com](http://www.GreenApprovedProducts.com) for more details.

A



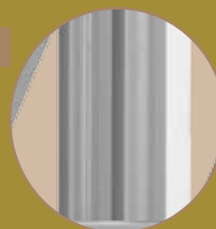
Maintenance-free multi-chamber PVC construction with fully fusion welded corners on sash and frame for superior structural strength

B

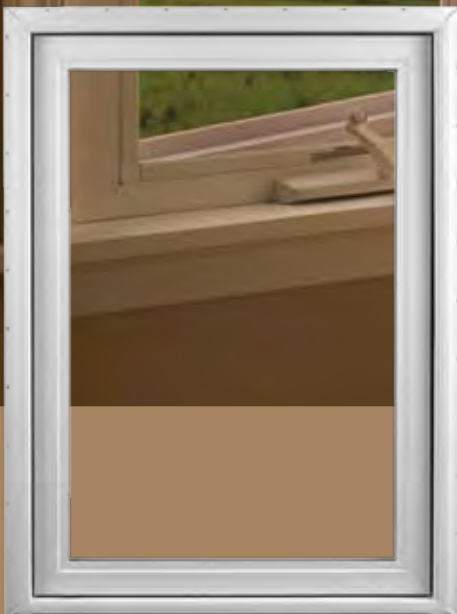


Steel reinforced jamb, flush mounted tilt latches and cam and keeper locks

C



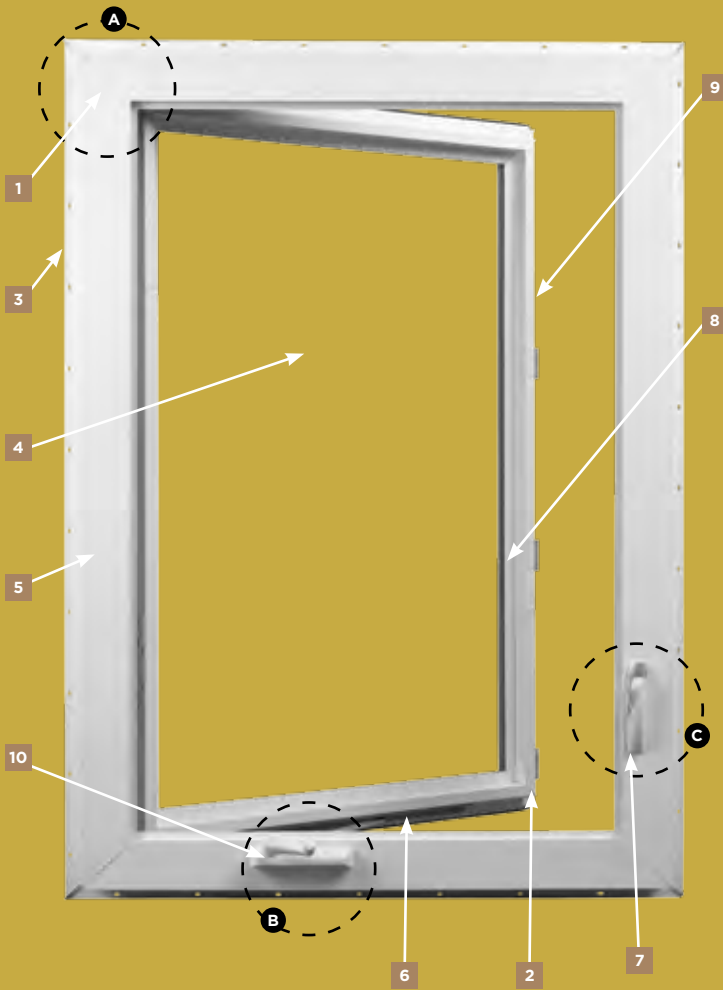
Block and tackle balances



## 1140 CASEMENT & 1160 AWNING

**BUILDER SERIES 1140 CASEMENT & 1160 AWNING** vinyl windows are available in singles, twins, triples, combinations, fixed and a wide selection of architectural shapes. They can be mullied with a continuous head and sill on twins and triples.





## STANDARD FEATURES

- 1 Maintenance-free multi-chamber PVC construction with fully welded corner
- 2 Fully fusion welded sash and frame for superior structural strength
- 3 1" nail fin setback
- 4 Energy-efficient warm edge insulating glass
- 5 3 1/2" frame depth
- 6 Casements are available right or left hand operating
- 7 Single handle multi-point locking system
- 8 Inside glazed sash
- 9 Casement sash opens 90° for ventilation and easy cleaning
- 10 Powder coated hardware

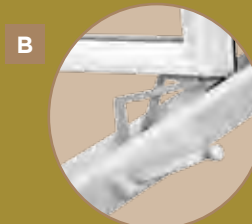


1140 casement & 1160 awning vinyl windows feature a sash system allowing homeowners to open sash 90° for safe cleaning of exterior glass. Casement & awning units both feature a multi-point locking system for added security and performance.

**NAHB RESEARCH CENTER GREEN APPROVED**  
 PLY GEM BUILDER SERIES 1140 WINDOWS AND 1160 AWNINGS HAVE BEEN GREEN APPROVED BY THE NAHB RESEARCH CENTER. This means you can be assured that Ply Gem Builder Series 1140 windows and 1160 awnings comply with specific green practice criteria in the National Green Building Standard. Visit [www.GreenApprovedProducts.com](http://www.GreenApprovedProducts.com) for more details.



**A** Maintenance-free multi-chamber PVC construction with fully fusion welded corners on sash and frame for superior structural strength



**B** Powder coated hardware

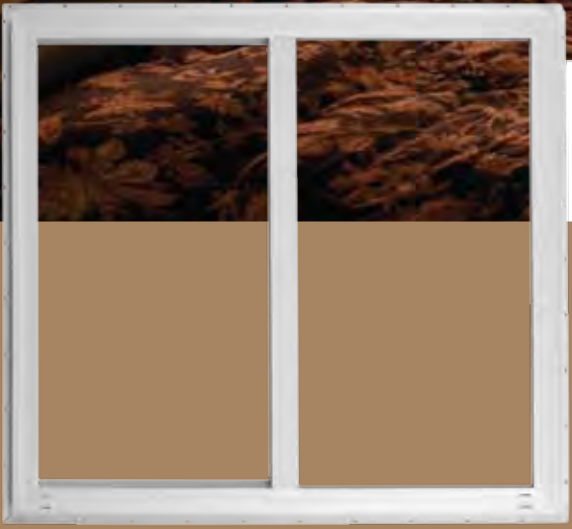


**C** Single handle multi-point locking system



## 1120/30 SERIES SLIDING WINDOW

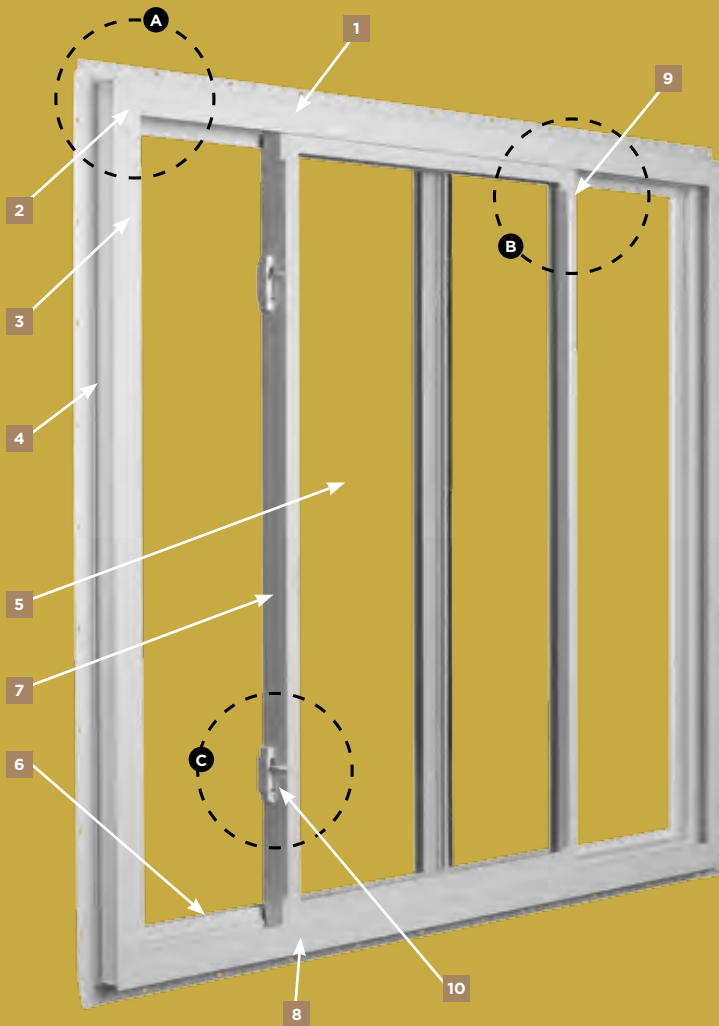
**BUILDER SERIES 1120/30 SERIES SLIDING VINYL WINDOWS** are available in a two sash and a three sash configuration. The two sash configuration (1120) features one active sash and one fixed sash. The three sash configuration (1130) features two active end sash with one fixed center sash in two different configurations ( $\frac{1}{4}$ - $\frac{1}{2}$ - $\frac{1}{4}$  or  $\frac{1}{3}$ - $\frac{1}{3}$ - $\frac{1}{3}$ ).







# 1120/30 SERIES SLIDING WINDOW



## STANDARD FEATURES

- 1 Maintenance-free multi-chamber PVC construction
- 2 Fully fusion welded corners on sash and frame for superior structural strength
- 3 Nail fin setback available in 1" and 1 3/8"
- 4 2 3/4" frame depth
- 5 Energy-efficient warm edge insulating glass
- 6 Interior glazed fixed sash
- 7 Removable exterior glazed moving sash
- 8 Brass rollers
- 9 Dual pull rails
- 10 Cam and keeper locks



1120/30 sliding windows feature brick mould exteriors for an authentic sculpted appearance that matches traditional exterior millwork. They also feature smooth gliding sash with brass rollers for enduring operation with convenient lift-out sash for easy cleaning.



**PLY GEM BUILDER SERIES 1120/30 WINDOWS HAVE BEEN GREEN APPROVED BY THE NAHB RESEARCH CENTER.**

This means you can be assured that Ply Gem Builder Series 1120/30 windows comply with specific green practice criteria in the National Green Building Standard. Visit [www.GreenApprovedProducts.com](http://www.GreenApprovedProducts.com) for more details.

### SLIDING WINDOW SELECTION GUIDE

SERIES	NAIL FIN SETBACK	CONSTRUCTION TYPE			
		WOOD SIDING	BRICK	3 COAT STUCCO	EIFIS
1120/30S	1"	●		●	
1120/30NS	1 3/8"		●		●

**A**



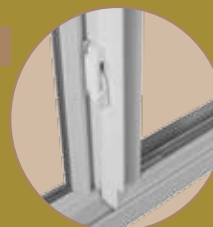
Maintenance-free multi-chamber PVC construction with fully fusion welded corners on sash and frame for superior structural strength

**B**



Dual pull rails

**C**



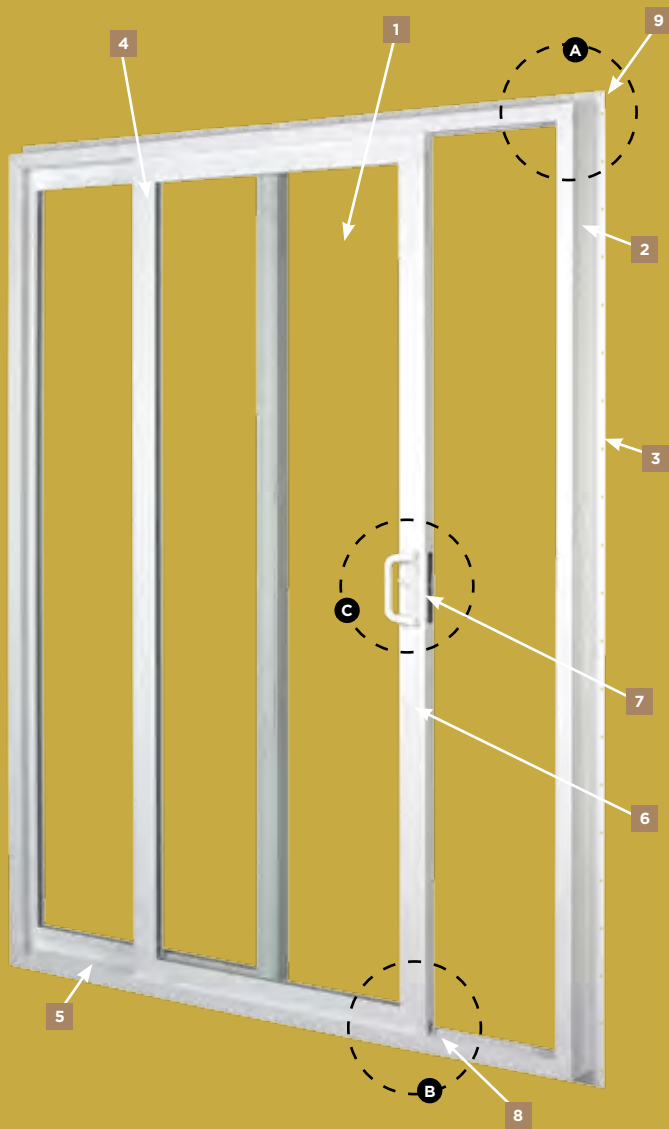
Cam and keeper locks



## 1180 SLIDING PATIO DOOR

**BUILDER SERIES 1180 SLIDING VINYL PATIO DOORS** are available with matching fixed panels, side lites, transoms and segmented transoms.





## STANDARD FEATURES

- 1 Energy-efficient warm edge insulating tempered glass
- 2 Maintenance-free multi-chamber PVC construction with fully fusion welded corner
- 3 Completely assembled
- 4 6' – 8' height doors are reversible prior to installation
- 5 Stainless steel track cover allows for trouble-free active panel operation
- 6 Metal reinforced stiles provide rigid stability for units up to 8'0" tall
- 7 Mortise or clam lockset – stylish, functional and adjustable
- 8 Tandem rollers for a more effortless operation and adjustability
- 9 Pre-punched nailing fin with fusion welded corners



1180 sliding patio doors are reversible before installation. They are constructed with full-perimeter weatherstripping for a tight seal. Exterior handles are available with or without keyed lock.



**PLY GEM BUILDER SERIES 1180 WINDOWS HAVE BEEN GREEN APPROVED BY THE NAHB RESEARCH CENTER.**

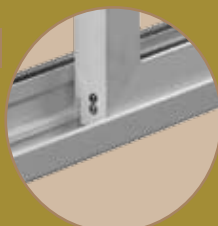
This means you can be assured that Ply Gem Builder Series 1180 windows comply with specific green practice criteria in the National Green Building Standard. Visit [www.GreenApprovedProducts.com](http://www.GreenApprovedProducts.com) for more details.

**A**



Maintenance-free multi-chamber PVC construction and pre-punched nailing fin with fully fusion welded corners

**B**



Tandem rollers for a more effortless operation and adjustability

**C**



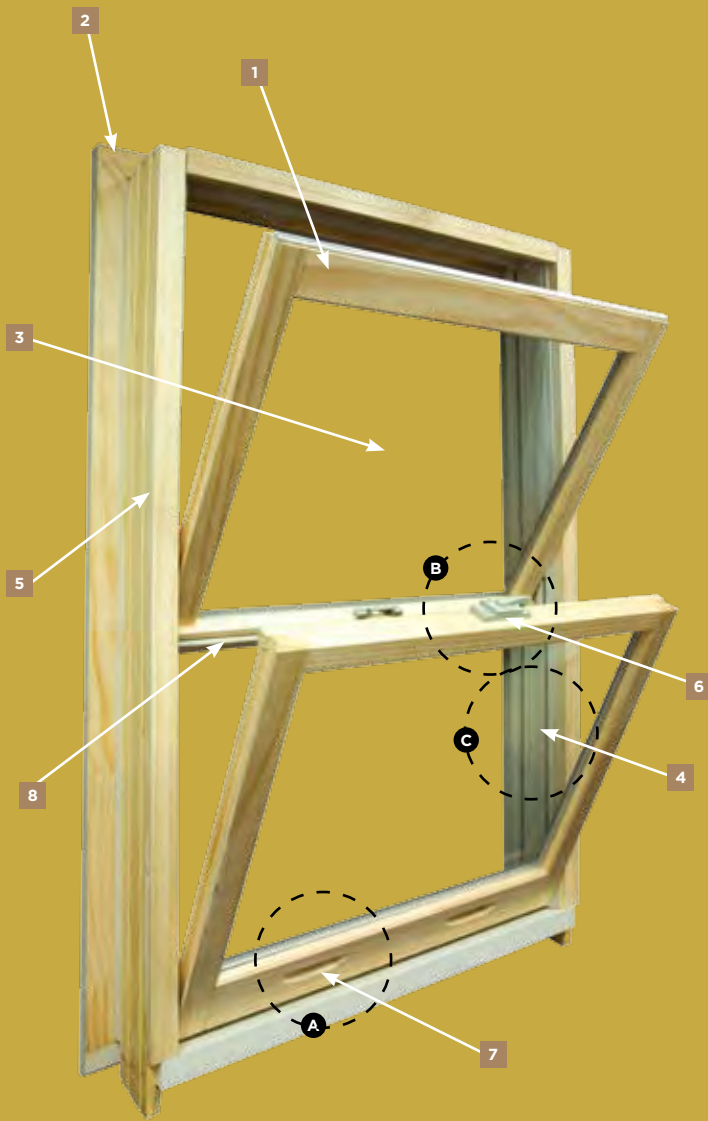
Mortise or clam lockset – stylish, functional and adjustable



## 100 DOUBLE HUNG

**BUILDER SERIES 100 DOUBLE HUNG** wood windows are available in singles, twins, combinations, 30° and 45° angle bays, side lites, stationaries and a wide selection of architectural shapes.





## STANDARD FEATURES

- 1 Natural wood sash and interior ready for staining to match any interior décor – also available with primed interior for painting
- 2 Exterior water-repellent preservative treated wood components are primed and ready for acrylic latex paints – also available in natural wood exterior for staining
- 3 Energy-efficient warm edge insulating glass
- 4 Compression balance system for simple tilt-in cleaning of exterior glass
- 5 4 9/16" jambs eliminate need for drywall work; custom jamb extensions to 8 9/16"
- 6 Standard white cam action sash locks and matching white jamliner; optional bronzetone cam action sash locks and matching beige jamliner available
- 7 Routed finger lift-in bottom sash rail for easy operation
- 8 Foam-filled weatherstripping on sash for airtight performance and smooth operation



100 double hung units are wood windows with exterior components and brick mould treated with water-repellent preservative. The interior natural wood is ready for paint or stain, while the exterior wood is primed and ready to accept acrylic latex paints. Double hung units come with our standard convenient simple tilting sash system that allows for safe tilt-in cleaning of the exterior glass. Our selection of exterior casing options and simulated-divided-lite (SDL) provide an authentic historic look. (See page 63 for options.)

A



Routed finger lift-in bottom sash rail for easy operation

B



Cam action sash locks and matching jamliner

C



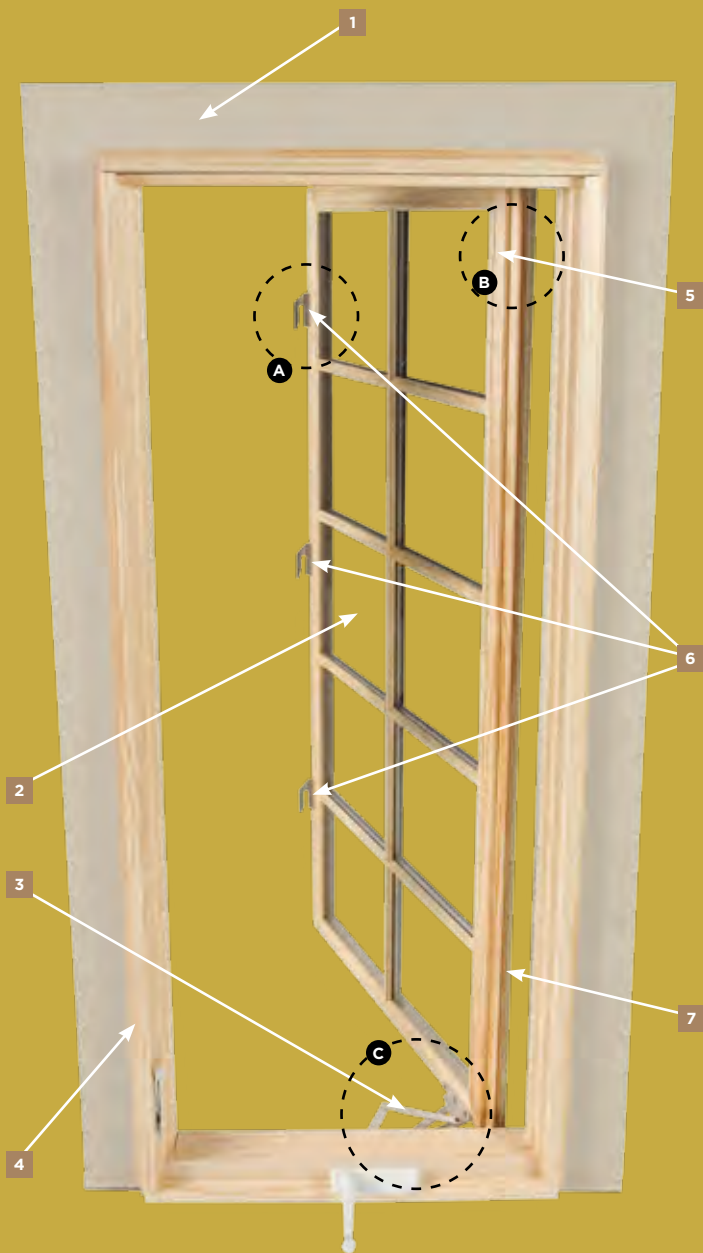
Compression balance system for simple tilt-in cleaning of exterior glass



## 100 CASEMENT & AWNING

**BUILDER SERIES 100 CASEMENT & AWNING** wood windows are available in singles, twins, combinations, 30° and 45° angle bays, side lites, stationaries and a wide selection of architectural shapes.





## STANDARD FEATURES

- 1 Exterior water-repellent preservative treated wood components are primed and ready for acrylic latex paints – also available in natural wood exterior for staining
- 2 Energy-efficient warm edge insulating glass
- 3 Smooth-functioning operating hardware, concealed for a clean appearance and allowing sash to open beyond a full 90°
- 4 4 <sup>9</sup>/<sub>16</sub>" jamb eliminates extensive drywall work
- 5 Natural wood sash and interior ready for staining to match any interior décor – also available with primed interior for painting
- 6 Concealed multi-point locking system, enhancing weather performance and security
- 7 Leaf weatherstripping on sash and bulb weatherstripping on frame for air-tight performance and smooth operation



100 casement & awning windows feature a weather-resistant stainless steel hinge track and an adjustable hinge that ensures consistent and precise operation. The sash opens a full 90° for simple cleaning of the exterior glass from inside the home.

The interior is natural wood ready for paint or stain, while the exterior wood is treated with water-repellent preservative and primed, ready to accept acrylic latex paints. Our selection of exterior casing options and simulated-divided-lite (SDL) provide an authentic historic look. (See page 63 for options.)



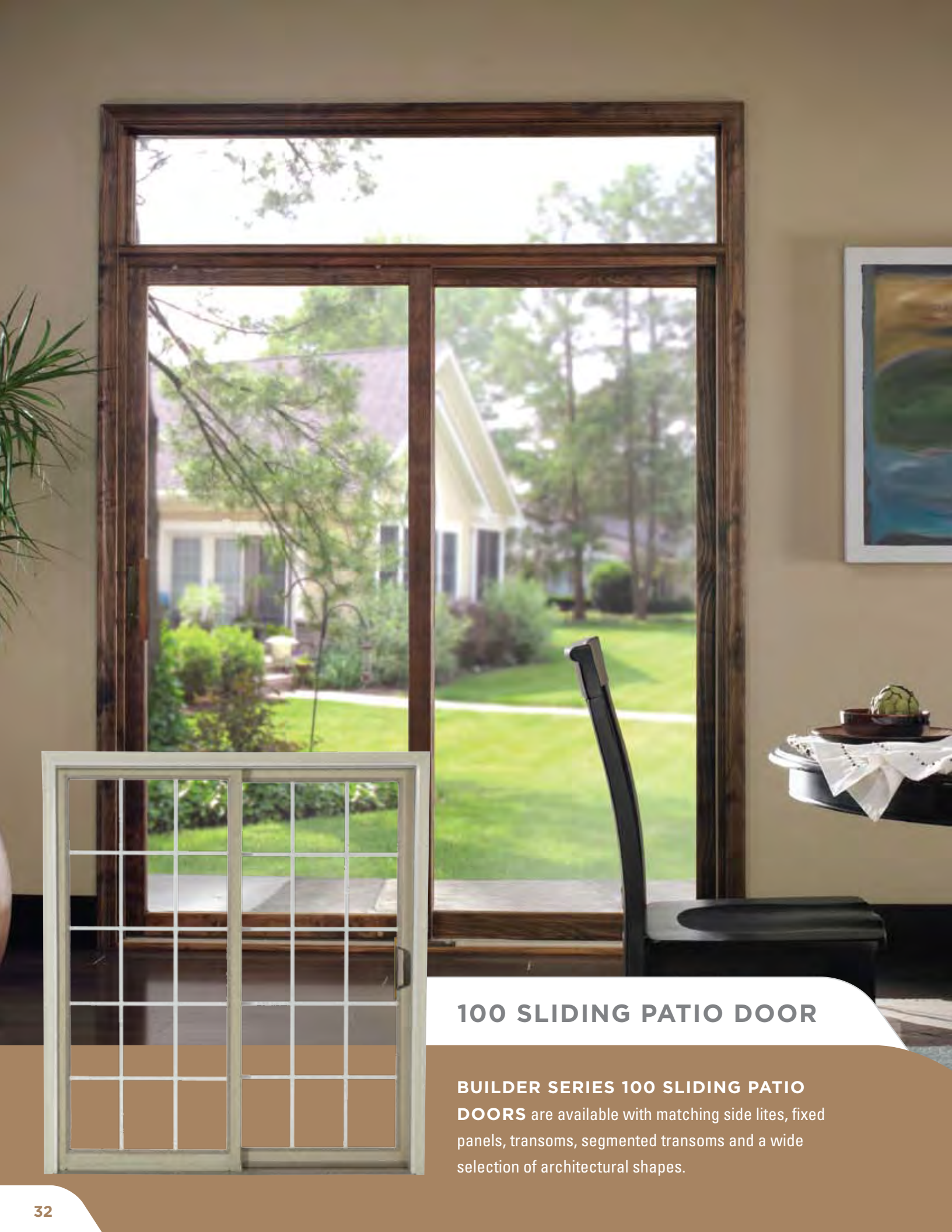
**A** Concealed multi-point locking system, enhancing weather performance and security



**B** Sash and interior made with select clear wood ready for paint or stain to match any interior décor

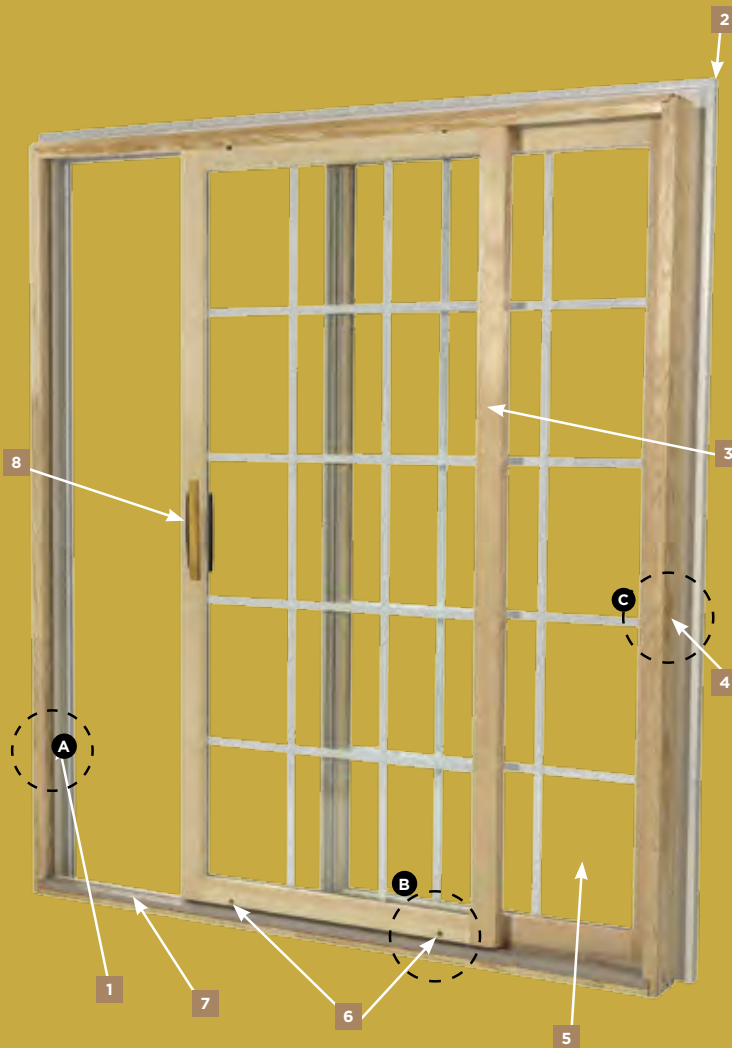


**C** Smooth-functioning operating hardware, concealed for a clean appearance and allowing sash to open beyond a full 90°



## 100 SLIDING PATIO DOOR

**BUILDER SERIES 100 SLIDING PATIO DOORS** are available with matching side lites, fixed panels, transoms, segmented transoms and a wide selection of architectural shapes.



## STANDARD FEATURES

- 1 Full-perimeter weatherstripping for air-tight performance and smooth operation
- 2 Exterior water-repellent preservative treated wood components are primed and ready for acrylic latex paints – also available in natural wood exterior for staining
- 3 Natural wood interior ready for staining to match any interior décor – also available with primed interior for painting
- 4 4 9/16" jambs eliminates extensive drywall work
- 5 Energy-efficient warm edge insulating tempered glass
- 6 Adjustable rollers
- 7 Composite sill, combines wood, aluminum and vinyl
- 8 Standard handle configuration features a taupe exterior handle with a wood interior handle



100 sliding patio doors feature water-repellent wood preservative treated exteriors that are primed and ready for painting. They are also constructed with full-perimeter weatherstripping for a tight and consistent seal. Exterior handles available with or without keyed lock. Security foot bolt also available. Our selection of exterior casing options match the authentic historic look of our 100 series doors. (See page 63 for options.)

**A**



Full-perimeter weatherstripping for air-tight performance and smooth operation

**B**



Easy access to adjustable rollers

**C**



4 9/16" jambs eliminates extensive drywall work





## 100 FRENCH SLIDING PATIO DOOR

**BUILDER SERIES 100 FRENCH SLIDING PATIO DOORS** are as inviting as it gets with low-maintenance features and stunning looks. Choose from matching side lites, fixed panels, transoms, segmented transoms and a variety of architectural shapes.

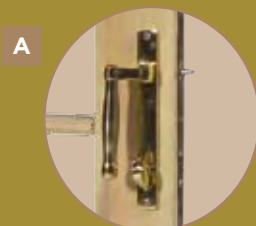


## STANDARD FEATURES

- 1 Energy-efficient warm edge insulating tempered glass
- 2 Exterior water-repellent preservative treated wood components are primed and ready for acrylic latex paints – also available in natural wood exterior for staining
- 3 Vinyl-wrapped foam-filled full-perimeter weatherstripping for air-tight performance and smooth operation
- 4 Natural wood interior ready for staining to match any interior décor – also available with primed interior for painting
- 5 Multi-point hardware available in a variety of finishes (see page 62)
- 6 4 9/16" jamb eliminates extensive drywall work
- 7 Composite sill combines wood, aluminum and vinyl
- 8 Adjustable rollers
- 9 1 3/4" panels with wide stiles and rails for true French look



100 French sliding patio doors feature water-repellent wood preservative treated exteriors that are primed and ready for painting. They are also constructed with full-perimeter weatherstripping for a tight and consistent seal. Exterior handles with keyed multi-point lock are standard. A security foot bolt is also available. Our selection of exterior casing options match the authentic historic look of our 100 series doors. (See page 63 for options.)



**A** Multi-point hardware available in a variety of finishes – bright brass shown (see page 62)



**B** Easy access to adjustable rollers



**C** Composite sill, combines wood, aluminum and vinyl





## 100 CENTER HINGED PATIO DOOR

**BUILDER SERIES 100 CENTER HINGED PATIO DOORS** are available with matching side lites, fixed panels, transoms, segmented transoms and a wide selection of architectural shapes.





## STANDARD FEATURES

- 1 Optional multi-point locking hardware with adjustable hinge option<sup>3</sup>
- 2 Vinyl-wrapped foam-filled full-perimeter weatherstripping for air-tight performance and smooth operation
- 3 Exterior water-repellent preservative treated wood components are primed and ready for acrylic latex paints – also available in natural wood exterior for staining
- 4 Natural wood interior ready for staining to match any interior décor – also available with primed interior for painting
- 5 Multi-fin door sweep on operating panel
- 6 4 9/16" jambs eliminates extensive drywall work
- 7 Standard is no bore, single bore or dead bolt bore without hardware – optional multi-point hardware available in a variety of finishes – optional satin nickel shown (see page 62)
- 8 Energy-efficient warm edge insulating tempered glass



100 center hinged patio doors feature water-repellent wood preservative treated exteriors that are primed and ready for painting. They are also constructed with full-perimeter weatherstripping for a tight and consistent seal. Exterior handles with keyed lock are standard. Our selection of exterior casing options match the authentic historic look of our 100 series doors. (See page 63 for options.)



**A** Vinyl-wrapped foam-filled full-perimeter weatherstripping for air-tight performance and smooth operation



**B** Standard is no bore, single bore or dead bolt bore without hardware. Optional multi-point hardware available in a variety of finishes – optional satin nickel shown (see page 62)



**C** Multi-fin door sweep on operating panel

1. Available Low-E option. 2. Optional HP Glass combines Low-E with argon gas fill for high performance. 3. Standard is no bore, single bore or dead bolt bore without hardware.

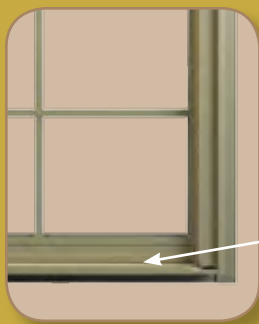




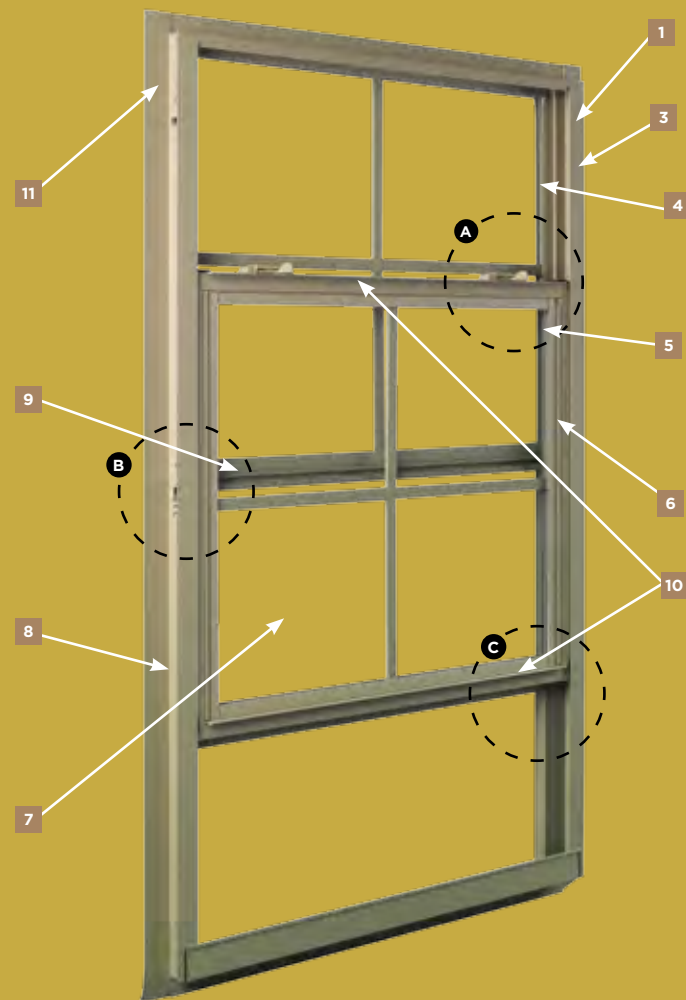
## **3710 SERIES SINGLE HUNG**

### **BUILDER SERIES 3710 SERIES SINGLE HUNG**

aluminum windows are available in singles, twins, triples and stack options and a wide selection of architectural shapes



EXTERIOR DETAIL



## STANDARD FEATURES

- 1 Virtually maintenance-free extruded aluminum construction with electrostatically applied finish.
- 2 Sloped sill allows for proper water drainage to the exterior
- 3 Sleek profile provides larger viewing area
- 4 Interior glazing allows for easier glass replacement
- 5 Side loading removable bottom sash
- 6 Block and tackle balance for smooth operation
- 7 Energy-efficient warm edge insulating glass for enhanced performance
- 8 2" or 2 7/16" frame depth (see chart below)
- 9 Structural meeting rail provides rigid stability and allows for a tighter, weather-resistant unit
- 10 Dual lift rails on bottom sash for easy operation
- 11 Integral nailing fin for simple installation



3710 series single hung windows are manufactured out of virtually maintenance-free extruded aluminum with a long lasting electrostatically applied finish.

## SINGLE HUNG SELECTION GUIDE

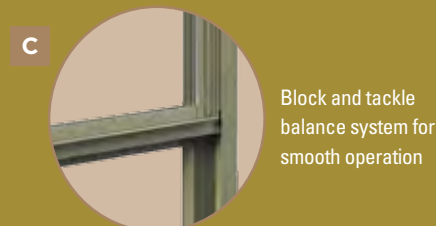
SERIES	FRAME DEPTH	NAIL FIN SETBACK	CONSTRUCTION TYPE				
			WOOD SIDING	BRICK	3 COAT STUCCO	BLOCK	EIFIS
3710	2"	7/8"	●		●		
3710N	2"	1 3/8"			●		●
3710F	2 7/16"	1 3/8"	●	●	●		●



Color-coordinated sash lock hardware



Structural meeting rail provides rigid stability and allows for a tighter, weather-resistant unit



Block and tackle balance system for smooth operation





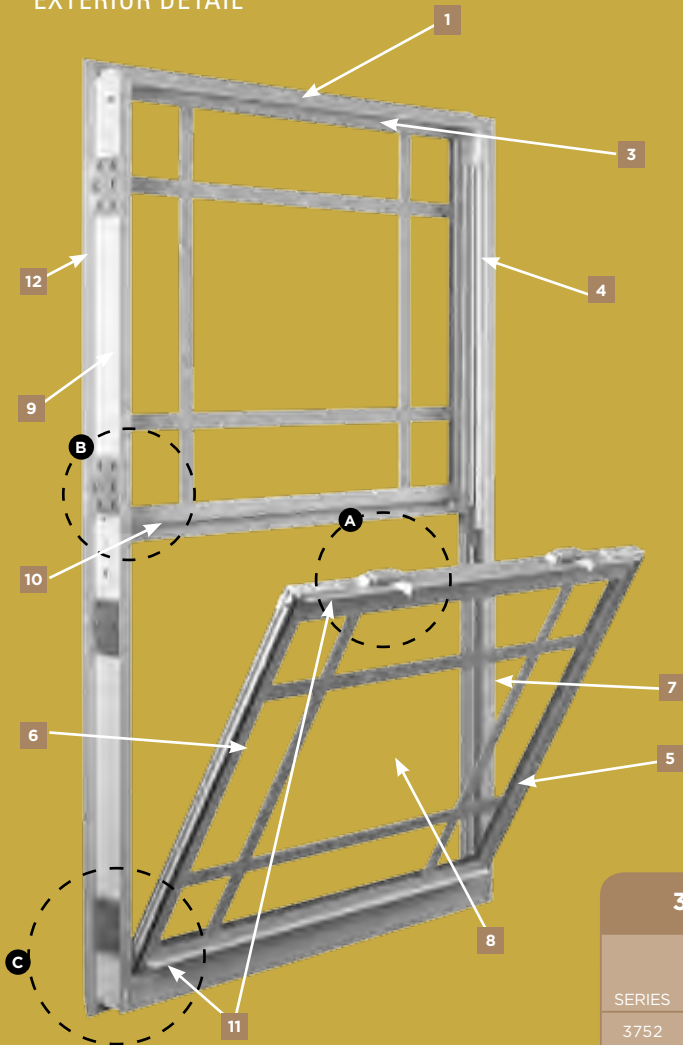
## **3752/53 SERIES SINGLE HUNG**

**BUILDER SERIES 3752/53 SERIES SINGLE HUNG** aluminum windows are available in singles, twins, triples and stack options and a wide selection of architectural shapes.

# 3752/53 SERIES SINGLE HUNG



EXTERIOR DETAIL



## STANDARD FEATURES

- 1 Virtually maintenance-free extruded aluminum construction with electrostatically applied finish
- 2 Sloped sill allows for proper water drainage to the exterior
- 3 Removable top sash
- 4 Sleek profile provides larger viewing area
- 5 Interior glazing allows for easier glass replacement
- 6 Bottom sash tilts in for easy cleaning and is removable
- 7 Block and tackle balance system for smooth operation
- 8 Energy-efficient warm edge insulating glass for enhanced performance
- 9 2" frame depth
- 10 Structural meeting rail provides rigid stability and allows for a tighter, weather-resistant unit
- 11 Dual lift rails on bottom sash for easy operation
- 12 Flange (shown) or integral nailing fin for simple installation

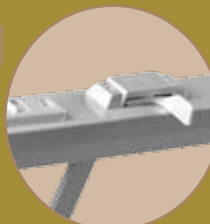


3752/53 series single hung windows are designed for high wind zones and are Florida approved. They are manufactured out of virtually maintenance-free extruded aluminum with a long lasting electrostatically applied finish.

## 3752/53 SERIES SINGLE HUNG SELECTION GUIDE

SERIES	NAIL FIN SET-BACK	THERMALLY ENHANCED FRAME	HIGH WIND ZONE	FLORIDA APPROVED	CONSTRUCTION TYPE				
					WOOD SIDING	BRICK	3 COAT STUCCO	BLOCK	EIFIS
3752	7/8"				•	•	•		•
3752T	7/8"	•			•	•	•		•
3753	7/8"		•	•	•	•	•		•
3753FL	FLANGE		•	•				•	

A



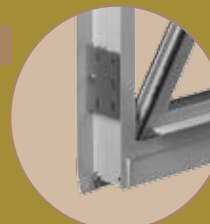
Color-coordinated sash lock and tilt latch hardware

B



Structural meeting rail provides rigid stability and allows for a tighter, weather-resistant unit

C



Dual lift rails on bottom sash for easy operation





## 3724 SERIES SLIDING WINDOW

**BUILDER SERIES 3724 SERIES ALUMINUM SLIDING WINDOWS** are available in two different picture configurations ( $\frac{1}{4}$ - $\frac{1}{2}$ - $\frac{1}{4}$  or  $\frac{1}{3}$ - $\frac{1}{3}$ - $\frac{1}{3}$ ).



# 3724 SERIES SLIDING WINDOW



## STANDARD FEATURES

- 1 Virtually maintenance-free extruded aluminum construction with electrostatically applied finish
- 2 Removable sash
- 3 Sleek profile provides larger viewing area
- 4 Interior glazing allows for easier glass replacement
- 5 Energy-efficient warm edge insulating glass
- 6 2" frame depth
- 7 Structural meeting rail provides rigid stability and allows for a tighter, weather-resistant unit
- 8 Push rail located at meeting rail
- 9 Integral nailing fin (shown) or flange for simple installation



3724 series sliding windows are manufactured out of virtually maintenance-free extruded aluminum with a long lasting electrostatically applied finish. 3724N and 3724FL are designed for high wind zones and are Florida approved.

## SLIDING WINDOW SELECTION GUIDE

SERIES	NAIL FIN SETBACK	HIGH WIND ZONE	FLORIDA APPROVED	CONSTRUCTION TYPE				
				WOOD SIDING	BRICK	3 COAT STUCCO	BLOCK	EIFIS
3724	7/8"		•	•	•	•		•
3724N	1 3/8"	•	•	•	•	•		•
3724FL	FLANGE	•	•				•	

A



Integral nailing fin (shown) or flange for simple installation

B



Push rail located at meeting rail

C



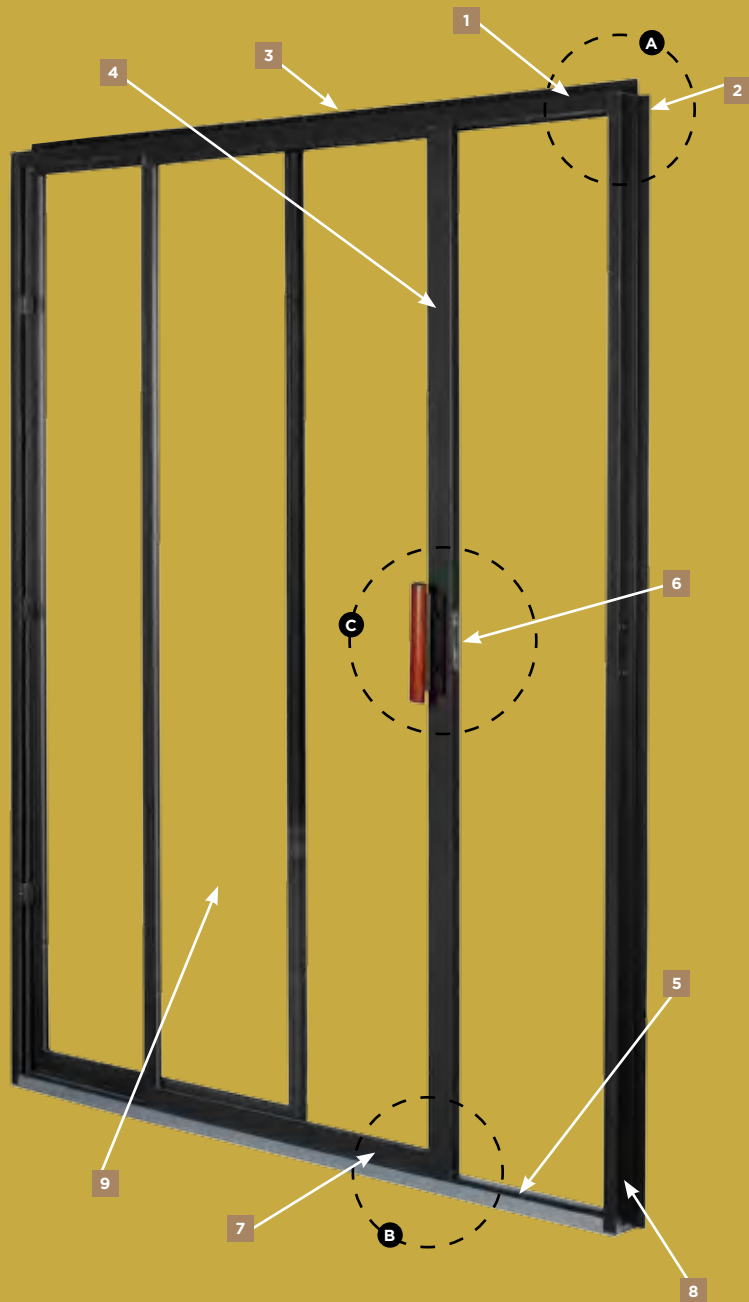
Color-coordinated sash lock hardware

1. Available Low-E option. 2. Optional Low-E<sup>SC</sup> features Solar Cooling optimized Low-E for warmer climates. 3. Meets Florida building codes for certain zones. Consult your local codes for specific requirements.



## 3780 SLIDING PATIO DOOR

**BUILDER SERIES 3780 ALUMINUM SLIDING PATIO DOORS** are available with matching side lites, fixed panels, transoms, segmented transoms and a wide selection of architectural shapes.



## STANDARD FEATURES

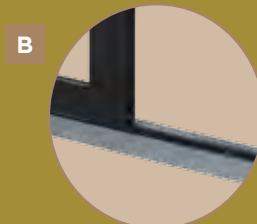
- 1 Virtually maintenance-free extruded aluminum construction with electrostatically applied finish
- 2 Integral nailing fin for simple installation
- 3 Assembled or knockdown frame available
- 4 Reversible (before installation)
- 5 Stainless steel track cover allows for trouble-free active panel operation
- 6 Mortise or clam lockset – stylish, functional and adjustable
- 7 Adjustable tandem rollers for a more effortless operation and fine tuning the fit and operation
- 8 Frame depth available in 3 5/8" or 5 13/16"
- 9 Energy-efficient warm edge insulating tempered glass



Sliding patio doors are reversible before installation. They are constructed with full-perimeter weatherstripping for a tight seal. Exterior handles are available with or without keyed lock.



**A** Virtually maintenance-free extruded aluminum construction with integral nail fin and electrostatically applied finish



**B** Stainless steel track cover allows for trouble-free active panel operation, adjustable tandem rollers for a more effortless operation and fine tuning the fit and operation



**C** Mortise or clam lockset – stylish, functional and adjustable

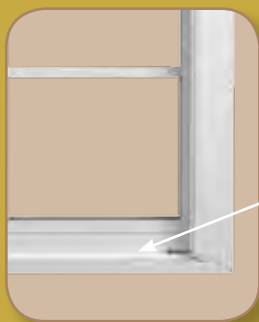




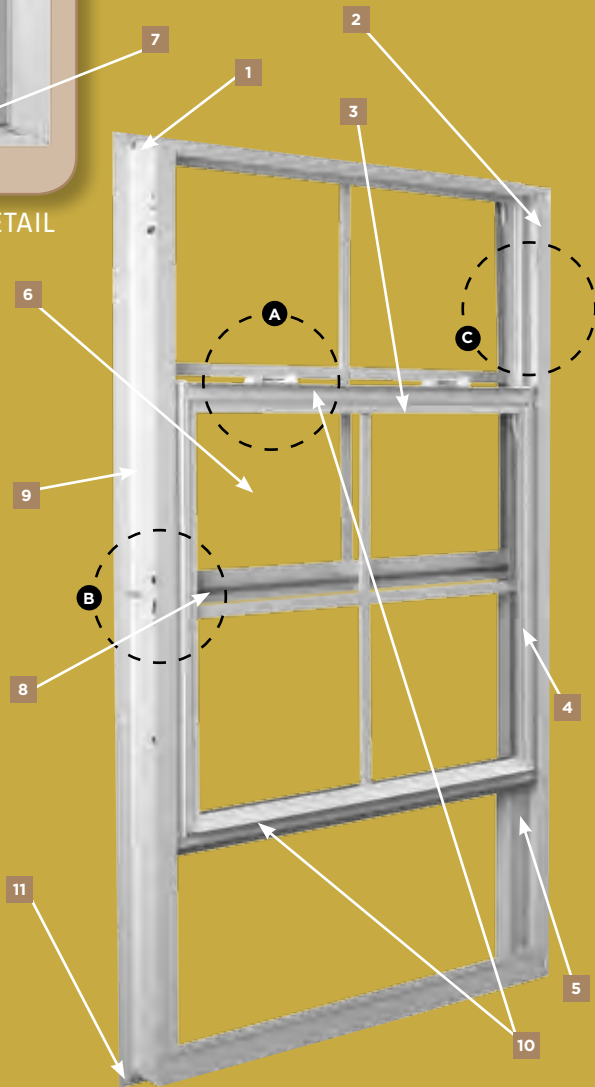
## 4710 SERIES SINGLE HUNG

**BUILDER SERIES 4710 SERIES SINGLE HUNG** aluminum windows are available in singles, twins, triples, fixed and a wide selection of architectural shapes.

# 4710 SERIES SINGLE HUNG



EXTERIOR DETAIL



## STANDARD FEATURES

- 1 Virtually maintenance-free extruded aluminum construction with electrostatically applied finish
- 2 Sleek profile provides larger viewing area
- 3 Interior glazing allows for easier glass replacement
- 4 Side load removable bottom sash
- 5 Block and tackle balance system
- 6 Energy-efficient warm edge insulating glass
- 7 Sloped sill allows for proper water drainage to the exterior
- 8 Structural meeting rail provides rigid stability and allows for a tighter, weather-resistant unit
- 9 Frame depth available in 2 7/16"
- 10 Dual lift rails on bottom sash for easy operation
- 11 Flange (shown) or integral nailing fin for simple installation

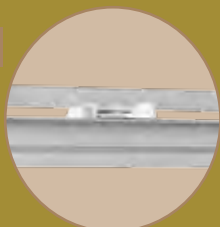


4710 series single hung windows are designed for high wind zones and are Florida approved. Upgrade to Impact Rated units for protection against wind borne debris. Manufactured out of virtually maintenance-free extruded aluminum with a long lasting electrostatically applied finish.

## SINGLE HUNG SELECTION GUIDE

SERIES	INSULATED GLASS	NAIL FIN SETBACK	SASH TYPE	BALANCE TYPE	HIGH WIND ZONE	FLORIDA APPROVED	CONSTRUCTION TYPE				
							WOOD SIDING	BRICK	3 COAT STUCCO	BLOCK	EIFIS
4710F	5/8"	1 3/8"	SIDE LOAD	BLOCK & TACKLE	●	●	●	●	●		●
4710FL	5/8"	FLANGE	SIDE LOAD	BLOCK & TACKLE	●	●				●	

A



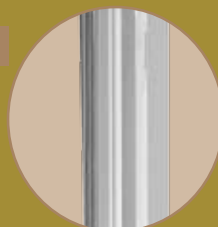
Color-coordinated sash lock hardware

B



Structural meeting rail provides rigid stability and allows for a tighter, weather-resistant unit

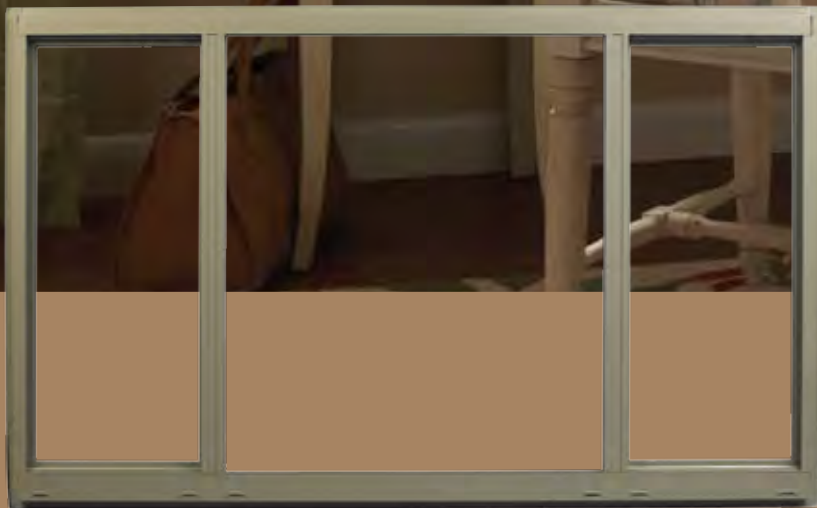
C



Block and tackle balance system

1. Available Low-E option. 2. Optional Low-E<sup>SC</sup> features Solar Cooling optimized Low-E for warmer climates. 3. Meets Florida building codes for certain zones. Consult your local codes for specific requirements. 4. Impact Rated units are available in select sizes and configurations.



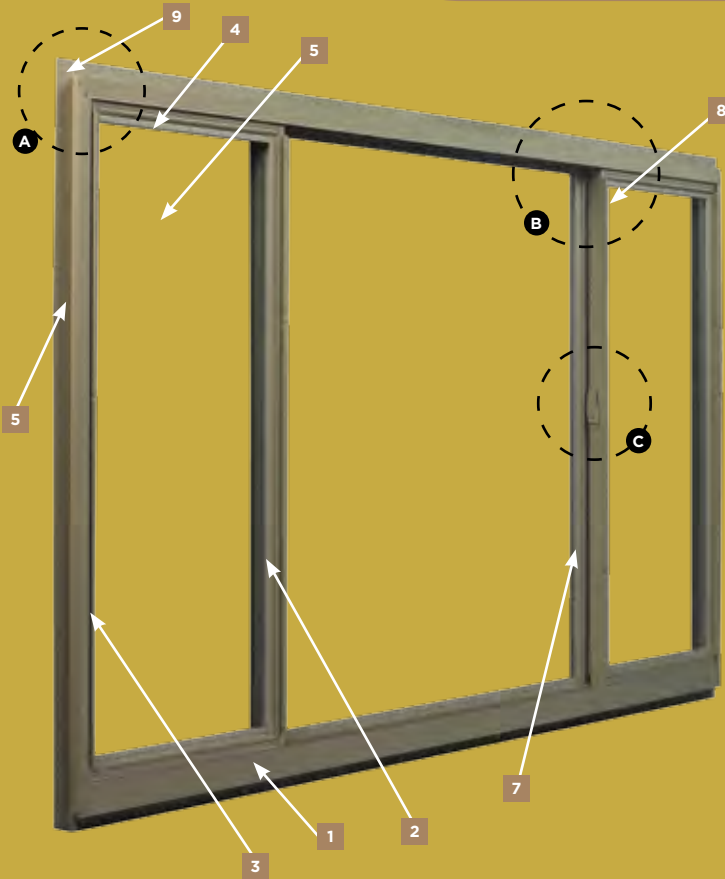


## 4720 SERIES SLIDING WINDOW

**BUILDER SERIES 4720 SERIES ALUMINUM SLIDING WINDOWS** are available in two different picture configurations ( $\frac{1}{4}$ - $\frac{1}{2}$ - $\frac{1}{4}$  or  $\frac{1}{3}$ - $\frac{1}{3}$ - $\frac{1}{3}$ ).



# 4720 SERIES SLIDING WINDOW



## STANDARD FEATURES

- 1 Virtually maintenance-free extruded aluminum construction with electrostatically applied finish
- 2 Removable sash
- 3 Sleek profile provides larger viewing area
- 4 Interior glazing allows for easier glass replacement
- 5 Energy-efficient warm edge insulating glass
- 6 2 7/16" frame depth
- 7 Structural meeting rail provides rigid stability and allows for a tighter, weather-resistant unit
- 8 Push rail located at meeting rail
- 9 Integral nailing fin (shown) or flange for simple installation



4720 series sliding windows are designed for high wind zones and are Florida approved. Upgrade to Impact Rated units for protection against wind borne debris. Manufactured out of virtually maintenance-free extruded aluminum with a long lasting electrostatically applied finish.



## SLIDING WINDOW SELECTION GUIDE

SERIES	NAIL FIN SETBACK	SASH TYPE	BALANCE TYPE	HIGH WIND ZONE	FLORIDA APPROVED	CONSTRUCTION TYPE				
						WOOD SIDING	BRICK	3 COAT STUCCO	BLOCK	EIFIS
4720F	1 3/8"	SIDE LOAD	BLOCK & TACKLE	●	●	●	●	●		●
4720FL	FLANGE	SIDE LOAD	BLOCK & TACKLE	●	●				●	

A



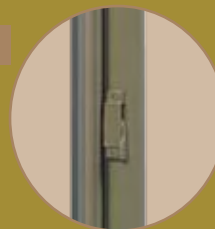
Integral nailing fin (shown) or flange for simple installation

B



Push rail located at meeting rail

C



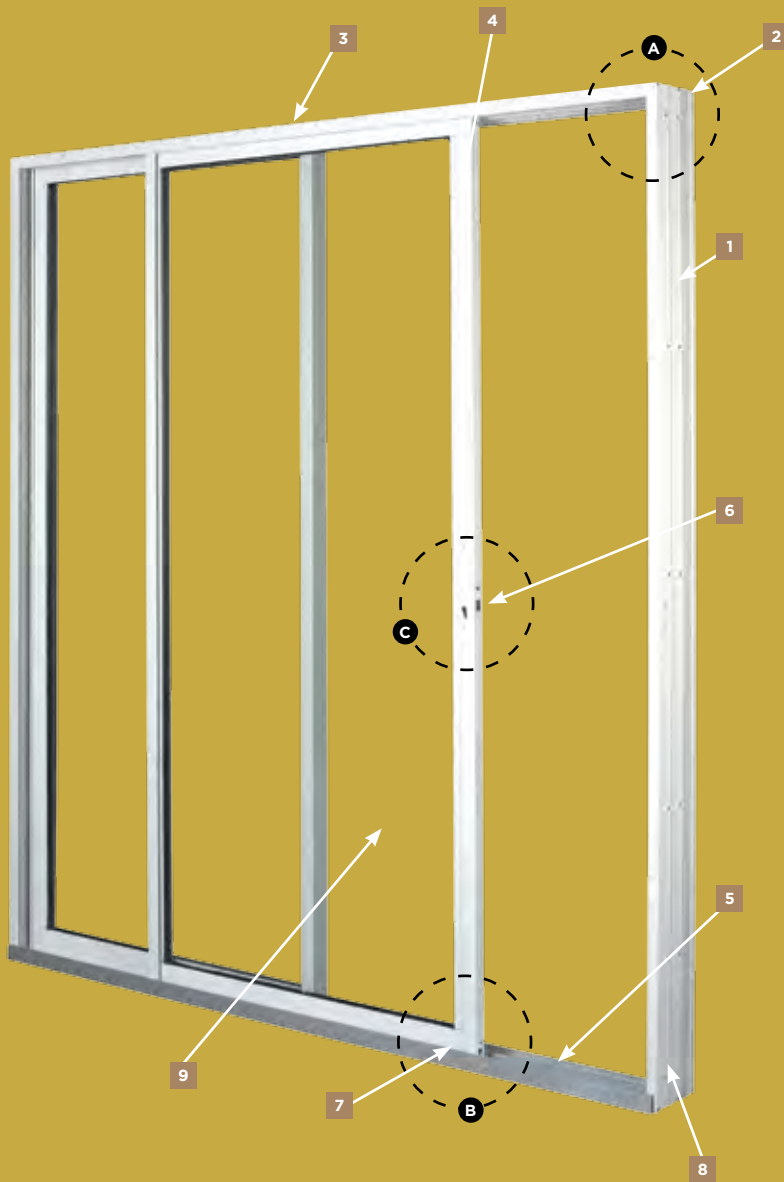
Color-coordinated sash lock hardware

1. Available Low-E option. 2. Optional Low-E<sup>®</sup> features Solar Cooling optimized Low-E for warmer climates. 3. Meets Florida building codes for certain zones. Consult your local codes for specific requirements. 4. Impact Rated units are available in select sizes and configurations.



## 4780 SLIDING PATIO DOOR

**BUILDER SERIES 4780 ALUMINUM SLIDING PATIO DOORS** are available with matching side lites, fixed panels, transoms, segmented transoms and a wide selection of architectural shapes.



## STANDARD FEATURES

- 1 Virtually maintenance-free extruded aluminum construction with electrostatically applied finish
- 2 Available with or without nailing fin (shown without)
- 3 Assembled or knockdown frame available
- 4 Reversible (before installation)
- 5 Stainless steel track cover allows for trouble-free active panel operation
- 6 Mortise or clam lockset – stylish, functional and adjustable
- 7 Adjustable tandem rollers for a more effortless operation and fine tuning the fit and operation
- 8 Frame depth available in 5 <sup>9</sup>/<sub>16</sub>"
- 9 Energy-efficient warm edge insulating tempered glass



4780 sliding patio doors are reversible before installation. They are constructed with full-perimeter weatherstripping for a tight seal. Exterior handles are available with or without keyed lock. Optional metal reinforced stiles provide rigid stability for units up to 8'0" tall.



**A** Virtually maintenance-free extruded aluminum construction and pre-punched nailing fin with fully fusion welded corner and electrostatically applied finish



**B** Adjustable tandem rollers for a more effortless operation and fine tuning the fit and operation



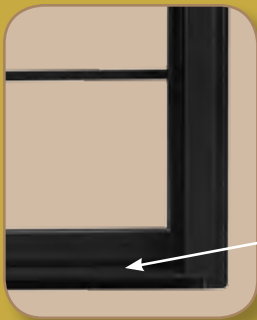
**C** Mortise or clam lockset – stylish, functional and adjustable



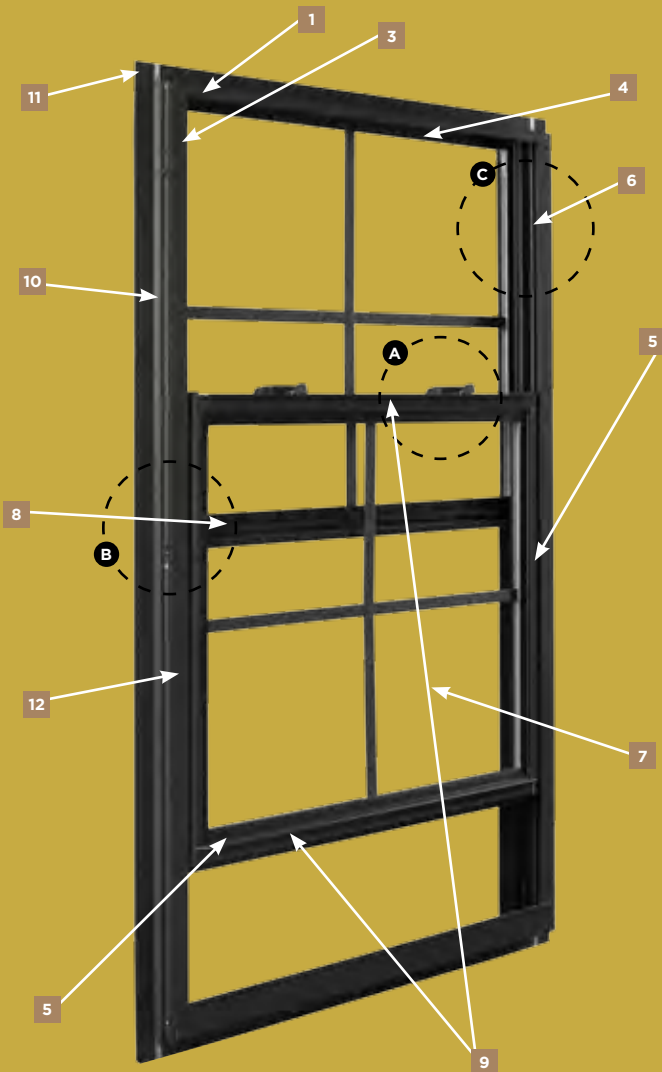


## 4810F SINGLE HUNG

**BUILDER SERIES 4810F SINGLE HUNG** aluminum windows are available in singles, twins, triples, fixed and a wide selection of architectural shapes.



EXTERIOR DETAIL



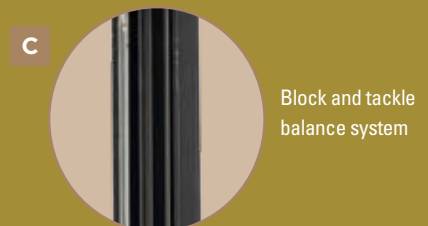
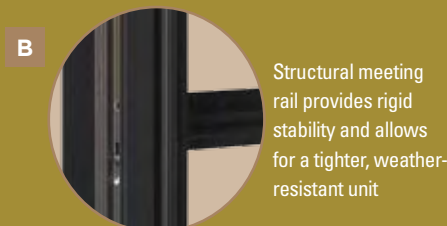
## STANDARD FEATURES

- 1 Virtually maintenance-free extruded aluminum construction with electrostatically applied finish
- 2 Sloped sill allows for proper water drainage to the exterior
- 3 Sleek profile provides larger viewing area
- 4 Interior glazing allows for easier glass replacement
- 5 Side load removable bottom sash
- 6 Block and tackle balance system
- 7 Energy-efficient warm edge insulating glass
- 8 Structural meeting rail provides rigid stability and allows for a tighter, weather-resistant unit
- 9 Dual lift rails on bottom sash for easy operation
- 10 Frame depth available in 2 7/16"
- 11 Integral nailing fin with a 1 3/8" setback for simple installation
- 12 Thermally broken aluminum frame with polyurethane poured in place and debridged to reduce thermal conductivity of aluminum frame



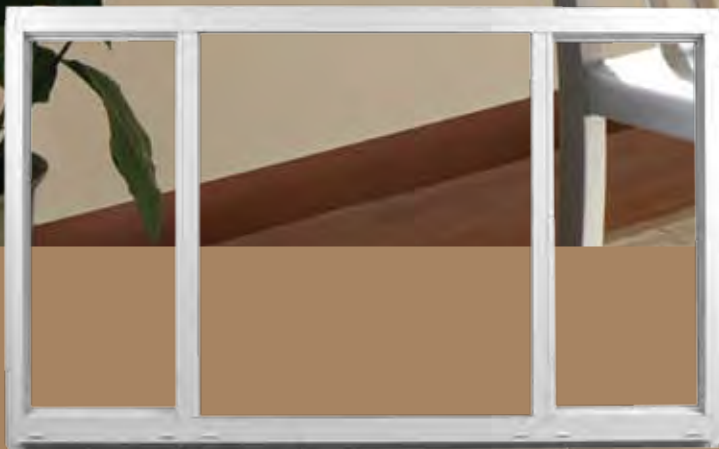
4810F single hung windows are designed for high wind zones and are Florida approved. Upgrade to Impact Rated units for protection against wind borne debris.

This series is a set apart by its improved performance. The thermally broken aluminum frame with polyurethane poured in place and debridged reduces the thermal conductivity of the aluminum frame. Manufactured out of virtually maintenance-free extruded aluminum with a long lasting electrostatically applied finish.



1. Available Low-E option. 2. Optional Low-E<sup>SC</sup> features Solar Cooling optimized Low-E for warmer climates. 3. Meets Florida building codes for certain zones. Consult your local codes for specific requirements. 4. Impact Rated units are available in select sizes and configurations.

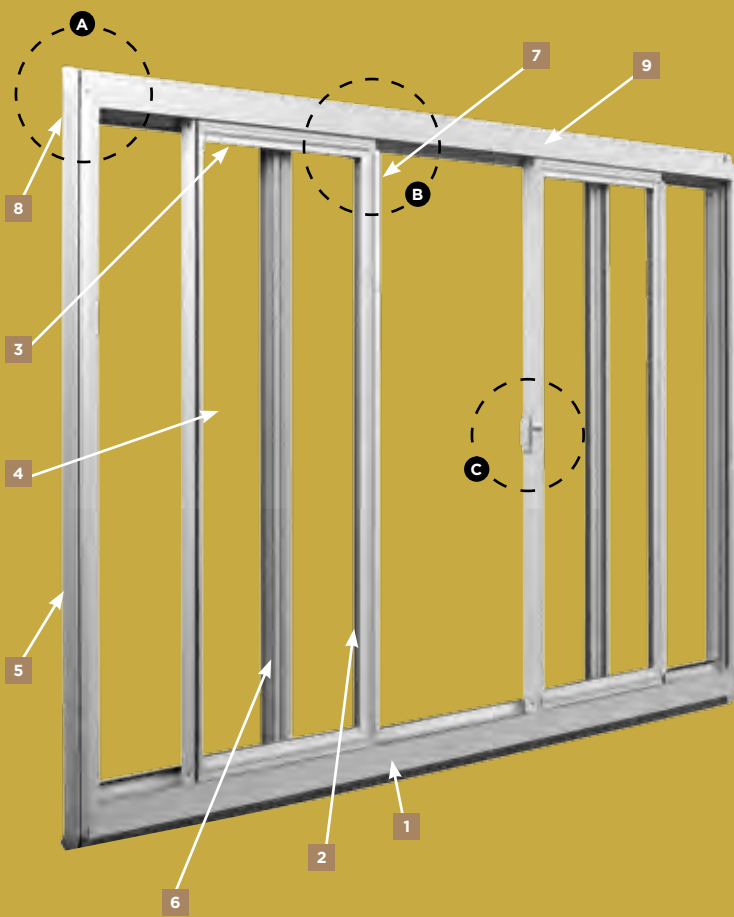




## 4820F SLIDING WINDOW

**BUILDER SERIES 4820F ALUMINUM SLIDING WINDOWS** are available in two different picture configurations ( $1/4-1/2-1/4$  or  $1/3-1/3-1/3$ ).





## STANDARD FEATURES

- 1 Virtually maintenance-free extruded aluminum construction with electrostatically applied finish
- 2 Sleek profile provides larger viewing area
- 3 Interior glazing allows for easier glass replacement
- 4 Energy-efficient warm edge insulating glass
- 5 Frame depth available in 2 7/16"
- 6 Structural meeting rail provides rigid stability and allows for a tighter, weather-resistant unit
- 7 Push rail located at meeting rail
- 8 Integral nailing fin with a 1 3/8" setback for simple installation
- 9 Thermally broken aluminum frame with polyurethane poured in place and debridged to reduce thermal conductivity of aluminum frame



4820F sliding windows are designed for high wind zones and are Florida approved.

This series is a set apart by its improved performance. The thermally broken aluminum frame with polyurethane poured in place and debridged reduces the thermal conductivity of the aluminum frame. Manufactured out of virtually maintenance-free extruded aluminum with a long lasting electrostatically applied finish.



## BUILDER SERIES VINYL-CLAD PRODUCTS

600 VINYL-CLAD DOUBLE HUNG				
3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
5/8" IGU Clear	2.13	0.47	0.59	0.62
5/8" IGU Low-E	2.94	0.34	0.28	0.53
5/8" IGU HP Glass	3.23	0.31	0.28	0.53

## BUILDER SERIES VINYL PRODUCTS

1700 VINYL SINGLE HUNG				
3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	2.04	0.49	0.63	0.66
3/4" IGU Low-E	2.86	0.35	0.30	0.56
3/4" IGU HP Glass	3.23	0.31	0.30	0.56

5000 VINYL AWNING				
3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	2.27	0.44	0.52	0.54
3/4" IGU Low-E	3.13	0.32	0.25	0.46
3/4" IGU HP Glass	3.45	0.29	0.24	0.46

1700 VINYL SLIDING WINDOW				
3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	2.04	0.49	0.63	0.65
3/4" IGU Low-E	2.86	0.35	0.29	0.55
3/4" IGU HP Glass	3.13	0.32	0.29	0.55

5700 VINYL SIDING PATIO DOOR				
3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	2.17	0.46	0.62	0.65
3/4" IGU Low-E	3.03	0.33	0.29	0.55
3/4" IGU HP Glass	3.45	0.29	0.29	0.55

2200 VINYL DOUBLE HUNG				
3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	2.04	0.49	0.62	0.64
3/4" IGU Low-E	2.86	0.35	0.29	0.55
3/4" IGU HP Glass	3.13	0.32	0.29	0.55

1110 SERIES VINYL SINGLE HUNG				
3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	2.04	0.49	0.62	0.65
3/4" IGU Low-E	2.86	0.35	0.29	0.55
3/4" IGU Low-E <sup>SC</sup>	2.86	0.35	0.23	0.43

5000 VINYL CASEMENT				
3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	2.33	0.43	0.54	0.55
3/4" IGU Low-E	3.13	0.32	0.25	0.46
3/4" IGU HP Glass	3.45	0.29	0.24	0.46

1150 VINYL DOUBLE HUNG				
3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	2.04	0.49	0.61	0.64
3/4" IGU Low-E	2.78	0.36	0.29	0.54
3/4" IGU Low-E <sup>SC</sup>	2.86	0.35	0.22	0.43

# NFRC THERMAL PERFORMANCE DATA

## BUILDER SERIES VINYL PRODUCTS

### 1140 VINYL CASEMENT

3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	2.17	0.46	0.51	0.52
3/4" IGU Low-E	2.86	0.35	0.24	0.44

### 1120/30 SERIES VINYL SLIDING WINDOW

3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	1.96	0.51	0.62	0.65
3/4" IGU Low-E	2.86	0.35	0.29	0.55
3/4" IGU Low-E <sup>SC</sup>	2.86	0.35	0.23	0.43

### 1160 VINYL AWNING

3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	2.17	0.46	0.51	0.52
3/4" IGU Low-E	2.86	0.35	0.24	0.44

### 1180 VINYL SLIDING PATIO DOOR

4mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	2.08	0.48	0.62	0.67
3/4" IGU Low-E	2.94	0.34	0.30	0.57
3/4" IGU Low-E <sup>SC</sup>	3.03	0.33	0.24	0.45

## BUILDER SERIES WOOD PRODUCTS

### 100 WOOD DOUBLE HUNG W/SDL

3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
7/16" IGU Clear	1.85	0.54	0.58	0.61
7/16" IGU Low-E	2.22	0.45	0.28	0.52
7/16" IGU HP Glass	2.50	0.40	0.28	0.52

### 100 WOOD SLIDING PATIO DOOR

3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	2.08	0.48	0.62	0.65
3/4" IGU Low-E	2.94	0.34	0.29	0.55
3/4" IGU HP Glass	3.33	0.30	0.29	0.55

### 100 WOOD DOUBLE HUNG

3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
5/8" IGU Clear	2.08	0.48	0.58	0.61
5/8" IGU Low-E	2.78	0.36	0.28	0.52
5/8" IGU HP Glass	3.13	0.32	0.27	0.52

### 100 WOOD FRENCH SLIDING PATIO DOOR

3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	2.22	0.45	0.51	0.52
3/4" IGU Low-E	2.94	0.34	0.24	0.44
3/4" IGU HP Glass	3.23	0.31	0.24	0.44

### 100 WOOD CASEMENT

3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	2.22	0.45	0.53	0.56
3/4" IGU Low-E	3.03	0.33	0.25	0.47
3/4" IGU HP Glass	3.33	0.30	0.25	0.47

### 100 WOOD CENTER HINGED PATIO DOOR

3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	2.22	0.45	0.47	0.49
3/4" IGU Low-E	2.94	0.34	0.22	0.41
3/4" IGU HP Glass	3.13	0.32	0.22	0.41

### 100 WOOD AWNING

3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	2.22	0.45	0.52	0.55
3/4" IGU Low-E	3.03	0.33	0.25	0.47
3/4" IGU HP Glass	3.33	0.30	0.25	0.47

All units rated in accordance with NFRC 100/200 standards by a NAMI Accredited lab. Performance values reflect the performance of units tested with the following configuration: no grilles with glass and IGU thickness specified in the chart.

**NOTE:** Low-E<sup>SC</sup> = Solar cooling optimized Low-E  
HP = Combines Low-E and argon gas fill for high performance



# NFRC THERMAL PERFORMANCE DATA

## BUILDER SERIES ALUMINUM PRODUCTS

### 3710 SERIES ALUMINUM SINGLE HUNG

3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
5/8" IGU Clear	1.49	0.67	0.65	0.68
5/8" IGU Low-E	1.89	0.53	0.32	0.57
5/8" IGU Low-E <sup>SC</sup>	1.89	0.53	0.25	0.45

### 4710 SERIES ALUMINUM SINGLE HUNG

3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	1.49	0.67	0.64	0.67
3/4" IGU Low-E	1.89	0.53	0.31	0.57
3/4" IGU Low-E <sup>SC</sup>	1.89	0.53	0.24	0.45

### 3752/53 SERIES ALUMINUM SINGLE HUNG

3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
5/8" IGU Clear	1.47	0.68	0.67	0.69
5/8" IGU Low-E	1.85	0.54	0.32	0.58
5/8" IGU Low-E <sup>SC</sup>	1.89	0.53	0.25	0.46

### 4720 SERIES ALUMINUM SLIDING WINDOW

3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	1.43	0.70	0.65	0.66
3/4" IGU Low-E	1.79	0.56	0.31	0.56
3/4" IGU Low-E <sup>SC</sup>	1.82	0.55	0.24	0.44

### 3724 SERIES ALUMINUM SLIDING WINDOW

4mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
5/8" IGU Clear	1.43	0.70	0.63	0.67
5/8" IGU Low-E	1.72	0.58	0.32	0.57
5/8" IGU Low-E <sup>SC</sup>	1.75	0.57	0.25	0.45

### 4780 SERIES ALUMINUM SLIDING DOOR

4mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	1.39	0.72	0.64	0.69
3/4" IGU Low-E	1.67	0.60	0.32	0.58
3/4" IGU Low-E <sup>SC</sup>	1.67	0.60	0.23	0.40

### 3780 ALUMINUM SLIDING PATIO DOOR

4mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
5/8" IGU Clear	1.41	0.71	0.66	0.71
5/8" IGU Low-E	1.69	0.59	0.33	0.60
5/8" IGU Low-E <sup>SC</sup>	1.69	0.59	0.26	0.47

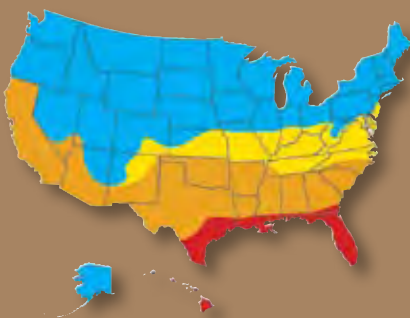
### 4810F SERIES ALUMINUM SINGLE HUNG

3mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	1.64	0.61	0.64	0.67
3/4" IGU Low-E	2.17	0.46	0.31	0.57
3/4" IGU Low-E <sup>SC</sup>	2.17	0.46	0.24	0.44

### 4820F SERIES ALUMINUM SLIDING WINDOW

4mm Glass	R Value	NFRC CERTIFIED		
		U Value	SHGC	VT
3/4" IGU Clear	1.56	0.64	0.64	0.66
3/4" IGU Low-E	2.00	0.50	0.31	0.56
3/4" IGU Low-E <sup>SC</sup>	2.00	0.50	0.24	0.44

## ENERGY STAR CLIMATE ZONES



- Southern  
Mostly Cooling
- South/Central  
Cooling & Heating
- North/Central  
Heating & Cooling
- Northern  
Mostly Heating

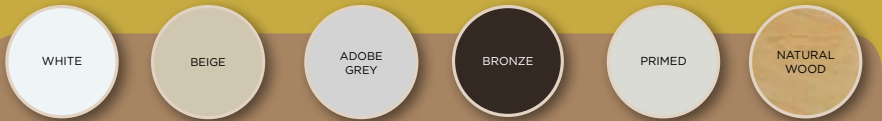
### ENERGY STAR® Qualification Criteria WINDOWS and DOORS

Zone	U-Factor	SHGC
Northern	≤ 0.35	ANY
North/Central	≤ 0.40	≤ 0.55
South/Central	≤ 0.40	≤ 0.40
Southern	≤ 0.65	≤ 0.40



R Value: Restrictive ambient air flow  
 U Value: Rate of heat loss  
 SHGC: Solar Heat Gain Coefficient  
 VT: Visible Transmittance

# COLOR OPTIONS



	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.
600 Double Hung	●	●										
1700 Single Hung	●	●	●	●								
2200 Double Hung	●	●	●	●								
5000 Casement & Awning	●	●	●	●								
5700 Sliding Patio Door	●	●	●	●								
1110 Series Single Hung	●	●	●	●								
1150 Double Hung	●	●	●	●								
1140 Casement & Awning	●	●	●	●								
1120/30 Series Sliding Window	●	●	●	●								
1180 Sliding Patio Door	●	●	●	●								
100 Double Hung							●	●	●	●		
100 Casement & Awning							●	●	●	●		
100 Sliding Patio Door							●	●	●	●		
100 French Sliding Patio Door							●	●	●	●		
100 Center Hinged Patio Door							●	●	●	●		
3710 Single Hung	●	●			●	●	●	●				
3750 Double Hung	●	●			●	●	●	●				
3720 Series Sliding Window	●	●			●	●	●	●				
3780 Sliding Patio Door	●	●			●	●	●	●				
4710 Series Single Hung	●	●			●	●	●	●				
4720 Series Sliding Window	●	●			●	●	●	●				
4780 Sliding Patio Door	●	●			●	●	●	●				
4810 Series Single Hung	●	●			●	●	●	●				
4820 Series Sliding Window	●	●			●	●	●	●				

Colors shown may not be accurate representations. For color matching, please request color swatches from your Ply Gem sales representative.



5/8" Flat GBG



3/4" Flat GBG



7/8" Flat GBG



5/8" Sculptured GBG



1" Contoured GBG

600 Double Hung	●		●	●	●
1700 Single Hung		●			
1700 Sliding Window		●			●
2200 Double Hung		●			●
5000 Casement & Awning		●			●
5700 Sliding Patio Door		●			●
1110 Series Single Hung	●	●			
1150 Double Hung	●	●			
1140 Casement & Awning	●	●			
1120/30 Series Sliding Window	●	●			
1180 Sliding Patio Door	●	●			
100 Double Hung	●		●	●	●
100 Casement & Awning	●		●	●	●
100 Sliding Patio Door	●		●	●	●
100 French Sliding Patio Door	●		●	●	●
100 Center Hinged Patio Door	●		●	●	●
3710 Series Single Hung	●	●			
3752/53 Series Single Hung	●	●			
3724 Series Sliding Window	●	●			
3780 Sliding Patio Door	●	●			
4710 Series Single Hung	●	●			
4780 Sliding Patio Door	●	●			
4810F Single Hung	●	●			
4820F Sliding Window	●	●			

## SCREENS

Builder Series screens feature color matched aluminum frames with fiberglass or wire mesh. Sliding patio door screens feature steel rollers for ease of operation.

## GLASS OPTIONS

- Low-E
- Tinted
- Obscure
- Low-E<sup>SC 1</sup>  
(Solar Cooling optimized Low-E)
- HP Glass  
(Low-E/Argon)
- Low-E/Tinted
- Tempered<sup>2</sup>

1. Available on aluminum products and some vinyl products. Ask your Ply Gem representative for details.  
2. Tempered glass is standard on sliding patio doors.



# GRILLE STYLE OPTIONS



7/8" SDL



1/4" SDL



5/8" Removable Grilles



7/8" Removable Grilles



1/16" Removable Grilles

●	●			
● ●	● ●	● ●	● ● ●	● ● ● ●

## WHAT IS LOW-E?

It is a microscopically thin, virtually invisible metallic oxide layer deposited on a window glazing surface. Low-E can reduce heating and cooling bills while dramatically improving overall comfort.

Ply Gem Windows and Patio Doors with the High Performance Low-E glazing system can be configured to meet the ENERGY STAR® guidelines for thermal efficiency in all climate regions.





## IMPACT RATED WINDOWS & DOORS



- **4710F/FL series single hung units** are constructed to meet H-R40 performance.
- **4720F series sliding units** are constructed to meet HS-R50 up to 72" x 48" XO performance.
- **4810F series single hung units** are constructed to meet H-LC40 performance.
- Rated in accordance with the International Residential Codes and meet impact requirements in U.S. Zone 2 (110-120 mph) and Zone 3 (120-140 mph).
- Passes ASTM E1886/1996 Large Missile Impact and Cycling Tests.
- Meets AAMA/WDMA/CSA 101/I.S.2/A440 standard. Florida Building Commission Approved.

## HARDWARE OPTIONS

### Hardware and Finish Options for 100 French Sliding and Center Hinged Patio Doors



#### DOOR HANDLE COLOR OPTIONS

WHITE  
BEIGE  
BRONZE  
SANDALWOOD  
TAUPE  
WOOD

5700 Sliding Patio Door	<input type="radio"/>	<input type="radio"/>				
1180 Sliding Patio Door	<input type="radio"/>	<input type="radio"/>				
100 Sliding Patio Door	<input type="radio"/>			<input type="radio"/>	<input type="radio"/>	
3780 Sliding Patio Door	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
4780 Sliding Patio Door	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			<input type="radio"/>

\* Handles shown with keyed lock option.

# EXTERIOR CASING OPTIONS FOR 100 SERIES UNITS



180 Brick Mould



3 1/4" Williamsburg



4 1/2" Wide Back Band



3 1/2" Flat  
(also in 5 1/2")

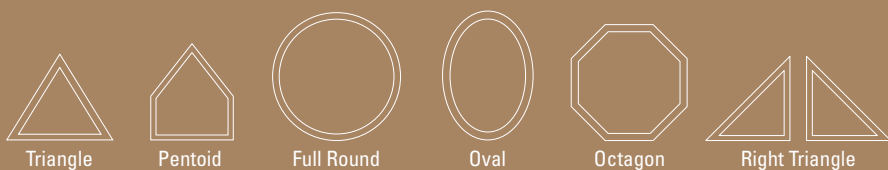


Standard Sill Nose



Bull Sill Nose

## ARCHITECTURAL SHAPES



Triangle

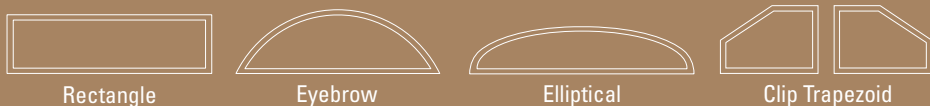
Pentoid

Full Round

Oval

Octagon

Right Triangle



Rectangle

Eyebrow

Elliptical

Clip Trapezoid



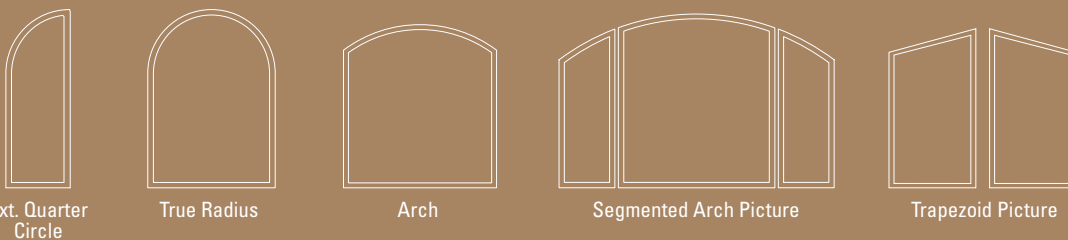
Quarter Circle

Circle Head

Arch Transom

Segmented Arch Transom

Trapezoid Transom



Ext. Quarter Circle

True Radius

Arch

Segmented Arch Picture

Trapezoid Picture

## STANDARD GRILLE PATTERNS



Colonial

Half Colonial  
(shown on Casement)

Plaza

Prairie

Perimeter Prairie

Three over Three

Three over One

Two over Two

Two over One

Call customer service for optional grille patterns (800.999.8400)