



A NEW POINT OF VIEW

WEST VINYL
NEW CONSTRUCTION/REPLACEMENT

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#1 WINDOW MANUFACTURER

IN NORTH AMERICA



Backed by industry-leading warranties, all products are designed and tested for strength, durability, energy efficiency and overall performance



Innovative energy-efficient glass package options for the energy performance, comfort and weather resistance needs and requirements of the western United States



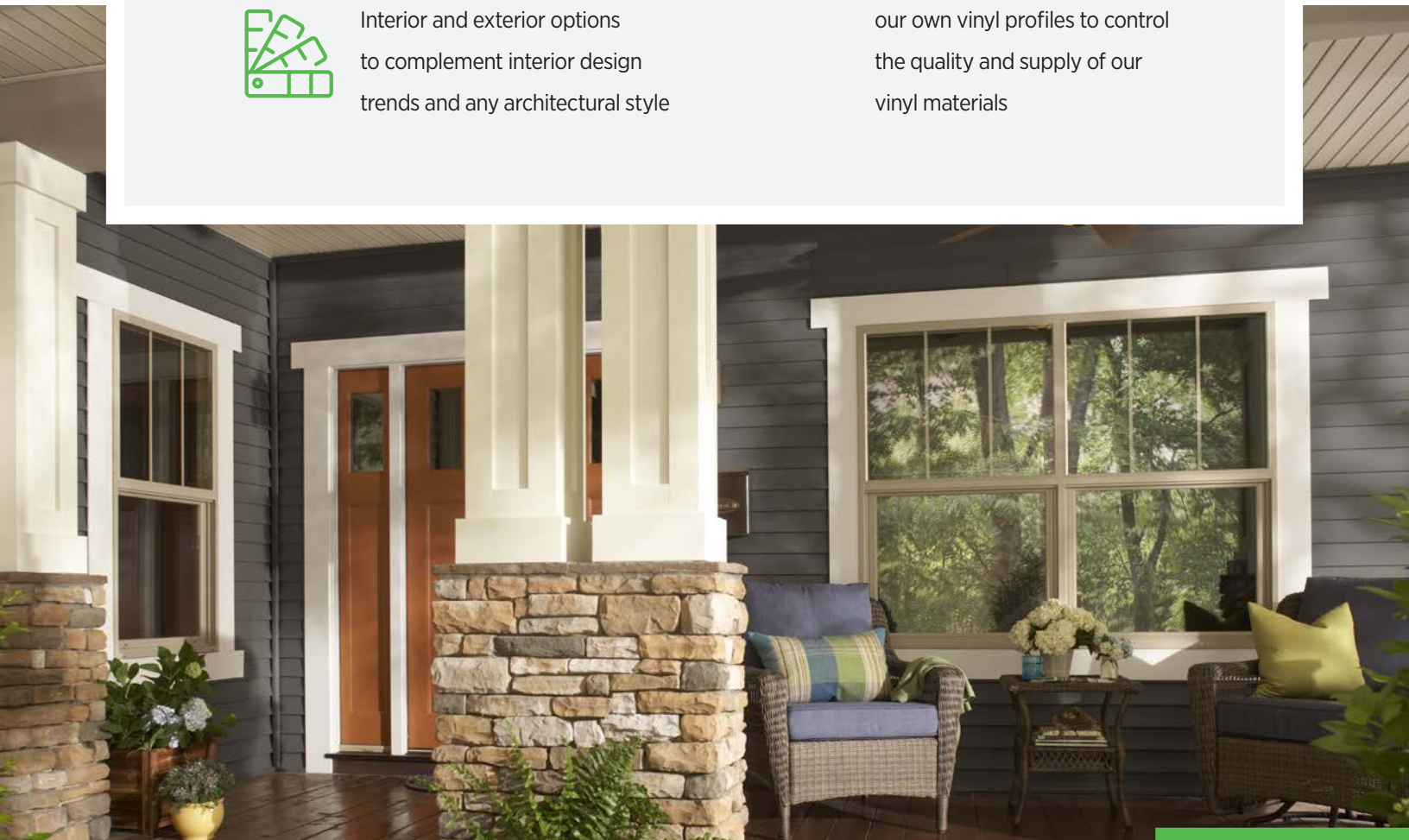
A wide selection of window and door styles and configurations for any home and budget



Vertically integrated operations and supply chain ensure quality and efficiency. We manufacture our own vinyl profiles to control the quality and supply of our vinyl materials



Interior and exterior options to complement interior design trends and any architectural style





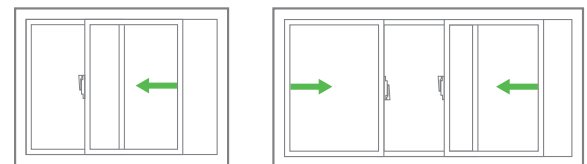
Sliding Window

For an unobstructed view of the world, look no farther than our eye-catching, energy-efficient, maintenance-free and secure sliding windows. These solidly built and dependable windows slide open like a dream yet seal tightly to keep out the cold and heat.

FEATURES

- Standard heavy-duty adjustable acetal rollers for smooth operation while adding strength for triple pane windows
- Secondary sash stop allows window to open partially for secure ventilation
- Standard baffled weep hole covers resist weather and bugs
- Anti-lift blocks mechanically fastened to prevent unwanted sash removal
- Reinforced meeting rail for added strength and security

Choose from a 2-lite slider, or a 3-lite slider window that features a large picture window with operable end vents.







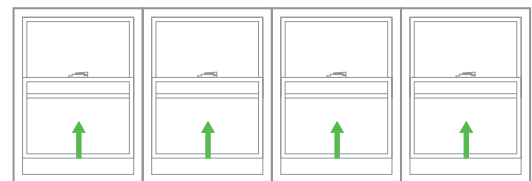
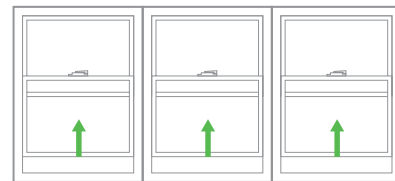
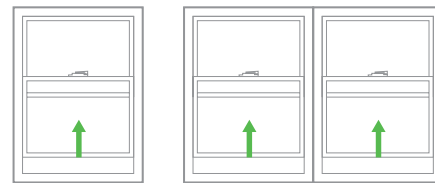
Single Hung

Bring your rooms to life with our attractive single hung windows, which blend the charm of yesterday with the high-tech innovation performance of today. They will brighten your spaces with timeless beauty and deliver the durability and the latest in energy-efficient features you'll appreciate every day.

FEATURES

- Block and tackle sash balances for easy and smooth operation
- Lock options meet or exceed strict forced entry code requirements
- Low point high-pressure baffled weep system for efficient water drainage
- Corrosion resistant fasteners and hardware for lifelong durability

Available in twin, triple and quad window combinations.





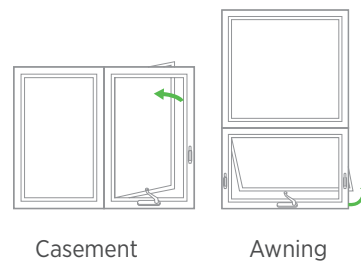


Casement & Awning

Bring fresh air to out-of-the-way spaces with our casement and awning windows. Sash opens fully for maximum fresh air through an interior screen. Customize your window configuration with picture windows to create a unique look.

FEATURES

- Folding nested handle hardware for sleek appearance and minimizing interference with window treatments
- Stainless steel hardware and fasteners standard for added strength and longevity
- Double-row bulb compression weatherstripping for tight seal and increased efficiency
- Integral structural mulls provide durability and reinforcement to casement and awning combination units



Casement

Awning

Color-matched hardware coordinates with and complements interior home décor.



Sleek fold-down and nesting hardware



Multi-point sash lock





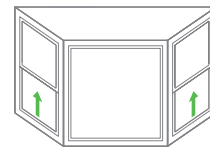
Bay Window



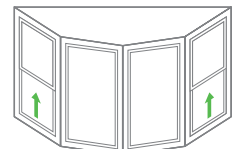
Bow Window

Bay & Bow Windows

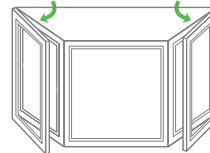
Bay windows feature a picture window center flanked by two single hung windows or casement windows. Bow windows combine 3, 4 or 5 window configurations at 10° or 15° angles for a more rounded look. Select single hung, casement, picture windows or combine styles to create your bow window. Optional head and seatboard in birch can be stained or painted to match your interior décor.



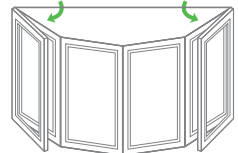
Single Hung Bay



Single Hung Bow



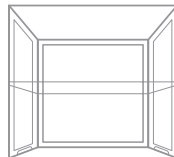
Casement Bay



Casement Bow

Garden Windows

You don't need the greenest thumb in the family to watch nature blossom in your garden window. The bountiful sunlight they provide will keep your plants thriving year-round.



Garden Window



EXTERNAL KNEE BRACES

- Provides exterior support for bay, bow and garden windows*
- Available in white, sand and clay
- Knee braces are pre-finished to be maintenance free

*Additional knee braces and cable system are required for bay, bow and garden window installation when head and seatboard with extension jamb options is selected. Failure to properly support a bay, bow or garden window will void the warranty.



Full Round Window



Extended Eyebrow



Picture Windows & Architectural Shapes

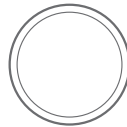
Architectural windows (also known as geometric windows) come in a variety of arched, radius and linear shapes that add visual character to any home's architecture. Ideal for small areas or combine with other windows for a large configuration, geometric windows increase illumination and curb appeal. Select shape windows are also available in operable styles.



Picture Window



Picture Window



Full Round



Quarter Round



Extended Quarter Round



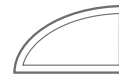
Eyebrow



Extended Half Round



Extended Eyebrow



Quarter Eyebrow



Extended Quarter Eyebrow



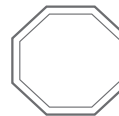
Half Round



Gothic Eyebrow



Extended Gothic



Octagon



Extended Octagon



Ellipse



Pentagon



Pentagon Equilateral



Hexagon



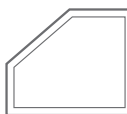
Extended Hexagon



Full Oval



Trapezoid Left or Right



Clipped Trapezoid



Isosceles Triangle



Right Angle Triangle



Sliding/French Sliding Patio Door

Our reliable, sliding patio door opens up a home to outdoor living and more daylight. Available in multiple styles including French and Bi-Parting, these maintenance free and weather resistant doors are as attractive as they are efficient.

FEATURES

- Laminated black and bronze exterior options available on 960 Series
- Multi-point lock for security
- Optional deadbolt and head bolt for additional security
- Stainless-steel rollers available for long lasting durability and smooth operation
- Aluminum threshold cover on 960 Series for strength and durability for years to come



Sliding Patio Door

French Sliding Patio Door



Standard color-coordinated exterior handle



Standard color-coordinated interior handle

HARDWARE FINISHES

Standard color-coordinated interior/exterior hardware perfectly complement Sliding and French Sliding Patio Doors. Optional interior hardware in stylish metal finishes adds a unique touch to your décor.



WHITE SAND CLAY SATIN NICKEL OIL-RUBBED BRONZE BLACK



Exterior/Interior Color Options

VINYL COLOR OPTIONS



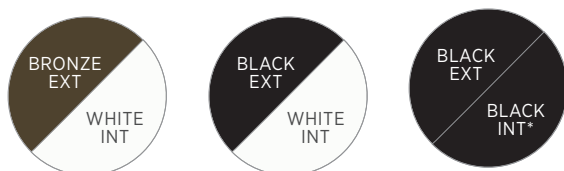
PAINTED & LAMINATED EXTERIOR COLOR OPTIONS



All painted exterior colors available with a white, sand or clay interior color
 *Laminated black and bronze exterior available on 960 Series sliding patio door only.
 **Laminated black exterior and interior available on 960 Series sliding patio door only.

CO-EXTRUDED EXTERIOR COLOR OPTIONS

AVAILABLE FOR WINDOWS ONLY



*Laminated black interior with co-extruded black exterior on 200 and 700 series windows.

Geographically limited availability. Consult with your Ply Gem Windows & Doors representative.

Colors are reproduced as accurately as printer technology allows. Consult with your Ply Gem representative for actual samples.

CO-EXTRUSION TECHNOLOGY

Co-extruded dark exterior colors for our vinyl windows have been formulated to meet the design and performance needs of the western United States. The co-extrusion process molds the vinyl dark color and white color material together as the profile is created. This means the color is integral to the window and not an applied coating on the exterior surface. This durable, high performance color option is backed by a 10-year warranty.



Grille Options

GRILLE PROFILES

GBG = Grilles-between-the-glass SDL = Simulated-divided-lites

* SDL not available for garden windows



5/8" Flat GBG



5/8" Sculptured GBG



1" Sculptured GBG

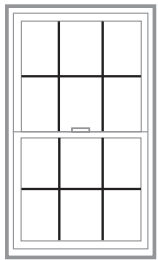


7/8" SDL*

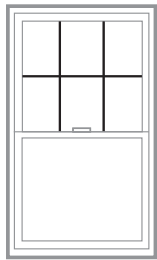


1 1/4" SDL*

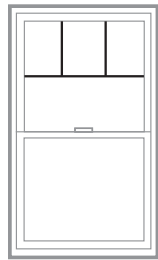
SELECTION OF POPULAR GRILLE PATTERNS



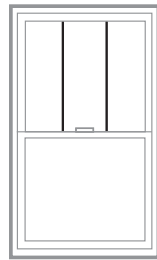
Colonial



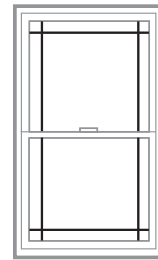
Half Colonial



Plaza



Three over One



Perimeter Prairie

ADDITIONAL GRILLE PATTERNS AVAILABLE

Consult with your Ply Gem Windows & Doors sales representative or visit plygem.com/window-doors for more details.

Window Lock Options

Color-matched single hung and sliding window hardware will coordinate with and complement your home décor. Cam action sash lock is standard or upgrade to AUTOLOCK which locks automatically when sash is closed.

CAM ACTION SASH LOCK



White



Sand



Clay



Black



Standard dual cam-action sash lock provides security

AUTOLOCK SASH LOCK



White



Sand



Clay



Black



Optional AUTOLOCK locks automatically when unit is closed

Custom Sizing

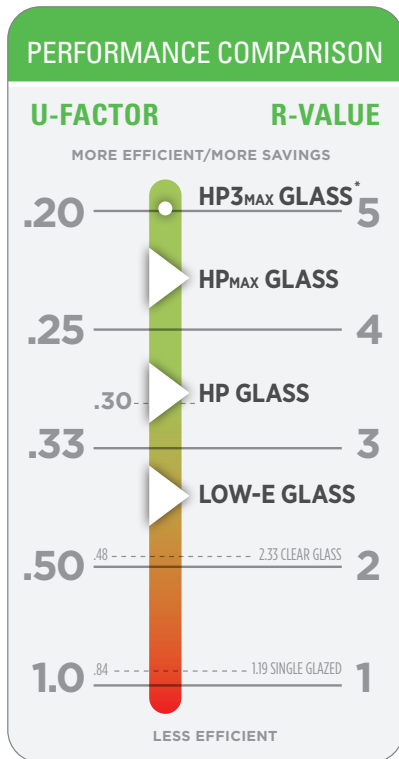
Ply Gem windows and patio doors can be ordered in 1/8 inch increments for any application providing a perfect fit every time. Custom sizing minimizes installation time and special trimming requirements.

Glass Options

- Low-E
- Low-E^{SC}
- Low-E2
- Low-E2^{MAX}
- Low-E3^{MAX}
- HP
- HP^{SC}
- HP2+
- HP2^{MAX}
- HP3^{MAX}
- Clear
- Tinted¹
- Obscure
- Tempered²
- Laminated
(security)
- Sound Package
(off-set glass)

* Low-E2^{MAX}, Low-E3^{MAX}, HP2^{MAX} and HP3^{MAX} are not available on all products. Consult with your Ply Gem Windows & Doors representative for a full list of glass thickness options and ratings.

1. Consult with your Ply Gem Windows & Doors representative for a complete list of tinted glass types.
2. Tempered glass standard on patio doors.



The lower the U-Factor, the greater the insulation value. R-Value is the inverse (R=1/U) of the U-Factor. Total Unit Factors determined per NFRC-100 (National Fenestration Rating Council). Chart shows relationship between performance and Ply Gem Windows & Doors glass package options, not including energy package upgrade.

*Ply Gem Windows & Doors HP3^{MAX} glass products meet or exceed a U-Factor of 0.20 on fixed units & 0.22 on operating units.

Glass Packages

LOW-E GLASS PACKAGES

Our Low-E glass packages combine Low-E and Warm Edge spacer options, providing insulating glass options to meet your specific needs. Our Low-E glass packages provide better performance in regions with hot summers and cold winters. Our Low-E^{SC} (solar cooling) glass package is optimized for regions with significant indoor cooling and glare reduction requirements. Our Low-E glass packages can be combined with capillary tubes to address performance needs in high elevation applications.

Low-E = One lite of Low-E.

Low-E^{SC} = One lite of solar cooling Low-E.

Low-E2⁺ = One lite of Low-E and one lite of Interior Surface Low-E.

Low-E2^{MAX} = Triple-pane with two lites of Low-E with an interior glass substrate

Low-E3^{MAX} = Triple-pane with two lites of Low-E and one lite of Interior Surface Low-E

[†]These glass packages are combined with capillary tubes to address performance needs in high elevation applications.

HP GLASS PACKAGES

Our HP glass packages combine Low-E with argon gas fill and Warm Edge spacer options, providing high-performance insulating glass options to meet your specific needs. Argon is a safe, odorless, colorless gas, which is heavier or denser than air. When used in conjunction with Low-E glass, argon provides better insulation. That's because heat and cold do not pass through argon gas as easily as through air. Argon is nontoxic and presents no human health or environmental concerns. HP glass package is also available in solar cooling (^{SC}) glass packages for regions with significant indoor cooling and glare reduction requirements.

HP = One lite of Low-E and argon gas fill.

HP^{SC} = One lite of solar cooling optimized Low-E and argon gas fill.

HP2⁺ = One lite of Low-E and one lite of Interior Surface Low-E with argon gas fill.

HP^{MAX} GLASS PACKAGES (triple-pane)

Our HP^{MAX} glass packages are triple-pane units that combine Low-E with two chambers of argon gas fill and Warm Edge spacer options, providing enhanced high-performance insulating glass options to meet your specific needs.

HP2^{MAX} = Triple-pane with two lites of Low-E with an interior glass substrate and two chambers of argon gas fill.

HP3^{MAX} = Triple-pane with two lites of Low-E and one lite of Interior Surface Low-E and two chambers of argon gas fill.

TITLE 24

Most Ply Gem windows and doors in the west can be configured to meet or exceed the California Energy Commission's standards for Title 24 compliance. Consult with your Ply Gem Windows & Doors representative for more information.



Obscure Glass Pattern Options



Clear Crossreed



Delta Frost



Flemish



Gluechip



Narrow Reed



Obscure



Rain



Satin Etched

Glossary

PERFORMANCE GRADE RATED

Ply Gem windows and patio doors are tested to meet the air, water and structure requirements of AAMA/WDMA 101/I.S.2. With advanced level engineering and top-notch innovation, you are assured of the most durable, high-performing windows and doors available nationwide.

WARM EDGE TECHNOLOGY

Standard Warm Edge glass spacer system within Ply Gem windows and patio doors reduces thermal transfer around the glass perimeter by utilizing a unique U-shaped channel to separate glass panes and interrupt the natural flow of heat to cold. Warm Edge is one continuous piece creating a stronger, more energy-efficient insulated glass unit. Plus it flexes with glass expansion and contraction to ensure a strong seal for the life of the product.

WARM EDGE+ TECHNOLOGY

Optional Warm Edge+ Spacer System has all of the features of the Warm Edge Spacer, but utilizes a new, less conductive material which provides a lower U-Factor.

LIMITED LIFETIME WARRANTY



We believe so strongly in the durability of our windows and sliding patio doors that we back each unit with our Limited Lifetime Warranty and a 15-year glass warranty. Lifetime means your windows and sliding patio doors are protected under the warranty for as long as you live in your home. Hinged patio doors have a Limited 10-Year Warranty.

ENERGY STAR®



Ply Gem West Vinyl windows and patio doors can be configured to meet a specific ENERGY STAR zone in all states. Your investment in ENERGY STAR products will pay for itself over time in reduced energy bills, not to mention increase the comfort level inside your home.

WINDOW: PRODUCT TYPE /SERIES	SLIDING		SINGLE HUNG		CASEMENT	AWNING	SINGLE HUNG BAY	CASEMENT BAY	SINGLE HUNG BOW	CASEMENT BOW	GARDEN	SHAPES
FRAME TYPE	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Frame Depth	3-7/16"	2-5/8"	3-7/16"	2-5/8"	3-7/16"	3-7/16"	3-7/16"	3-7/16"	3-7/16"	3-7/16"	2-5/8"	varies
1" Nailing Fin	■		■		■	■	■	■	■	■		■
1" Nailing Fin with J-Channel	■	■	■	■								■
1" Nailing Fin with Stucco Key	■	■	■	■								■
1-3/8" Nailing Fin	■	■	■	■	■	■	■	■	■	■		■
1-3/8" Nailing Fin with Stucco Key	■	■	■	■								■
Single-wall Flush Flange	■	■	■	■	■	■						■
Dual-wall Flush Flange	■		■		■	■						■
Block Frame	■	■	■	■	■	■	■	■	■	■		■
Flush Fin											■	
FRAME DIMENSIONS	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Maximum Width	96"	72"	48"	48"	36"	60**	96"	120"	72"	84"	72"	varies
Maximum Height	72"	60"	84"	72"	72"	36"	72"	72"	84"	84"	48"	varies
COLOR EXTERIOR / INTERIOR	200	400	200	400	700	700	200	700	200	700	400	SHAPES
White/White	■	■	■	■	■	■	■	■	■	■	■	■
Sand/Sand	■	■	■	■	■	■	■	■	■	■	■	■
Clay/Clay	■	■	■	■	■	■	■	■	■	■	■	■
Co-extruded Bronze/White	■		■		■	■						■
Co-extruded Black/White	■		■		■	■						■
Co-extruded Black/Laminated Black	■		■		■	■						■
Painted Silver/White	■	■	■	■	■	■	■	■	■	■		■
Painted Bronze/White	■	■	■	■	■	■	■	■	■	■		■
Painted Black/White	■	■	■	■	■	■	■	■	■	■		■
GLASS	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Low-E											■	
Low-E ^{SC}											■	
Low-E ^{PS}	■	■	■	■	■	■	■	■	■	■		■
Low-E2+ ^{PS}	■	■	■	■	■	■	■	■	■	■		■
Low-E High Altitude	■	■	■	■	■	■	■	■	■	■	■	■
Low-E ^{SC} High Altitude	■	■	■	■	■	■	■	■	■	■	■	■
HP	■	■	■	■	■	■	■	■	■	■	■	■
HP ^{SC}	■	■	■	■	■	■	■	■	■	■	■	■
HP ^{PS}	■	■	■	■	■	■	■	■	■	■	■	■
HP2+	■	■	■	■	■	■	■	■	■	■	■	■
HP2+ ^{PS}		■	■	■	■	■	■	■	■	■	■	■
HP2 _{Max}	■		■		■	■	■	■	■	■	■	■
HP3 _{Max}	■		■		■	■	■	■	■	■	■	■
Title 24 Compliance Option	■	■	■	■	■	■	■	■	■	■	■	■
PATTERN GLASS	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Clear Crossreed	■	■	■	■	■	■	■	■	■	■	■	■
Delta Frost	■	■	■	■	■	■	■	■	■	■	■	■
Flemish	■	■	■	■	■	■	■	■	■	■	■	■
Gluechip	■	■	■	■	■	■	■	■	■	■	■	■
Narrow Reed	■	■	■	■	■	■	■	■	■	■	■	■
Obscure	■	■	■	■	■	■	■	■	■	■	■	■
Rain	■	■	■	■	■	■	■	■	■	■	■	■
Satin Etched	■	■	■	■	■	■	■	■	■	■	■	■
GRILLE TYPES	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Grilles Between Glass (GBG)												
5/8" Flat GBG	■	■	■	■	■	■	■	■	■	■		■
5/8" Sculptured GBG	■		■		■	■	■	■	■	■		■
1" Sculptured GBG	■		■		■	■	■	■	■	■		■
Simulated Divided Lite (SDL)												
7/8" SDL with Shadow Bar	■		■		■	■	■	■	■	■		
1-1/4" SDL with Shadow Bar	■		■		■	■	■	■	■	■		
2" SDL with Shadow Bar	■		■		■	■	■	■	■	■		
2" Horizontal & 1-1/4" Vertical SDL w/ Shadow Bar	■		■		■	■	■	■	■	■		
GRILLE PATTERNS	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Colonial	■	■	■	■	■	■	■	■	■	■		■
Prairie	■	■	■	■	■	■	■	■	■	■		■
Double Prairie	■	■	■	■	■	■	■	■	■	■		■
Marginal Prairie	■	■	■	■	■	■	■	■	■	■		■
Perimeter Prairie	■	■	■	■	■	■	■	■	■	■		■
Plaza	■	■	■	■	■	■	■	■	■	■		■
Fractional	■	■	■	■	■	■	■	■	■	■		■
HARDWARE	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Cam Action Sash Lock	■	■	■	■			■	■	■	■	■	■
AUTOLOCK	■	■	■	■			■	■	■	■	■	■
	SLIDING		SINGLE HUNG		CASEMENT	AWNING	SINGLE HUNG BAY	CASEMENT BAY	SINGLE HUNG BOW	CASEMENT BOW	GARDEN	SHAPES

* 12 sq ft max

PATIO DOOR: PRODUCT TYPE /SERIES	SLIDING		FRENCH SLIDING
FRAME TYPES	460	960	970
Frame Depth:	4-1/4"	4-3/8"	4-3/8"
1-3/16" Nailing Fin	■		
1-3/16" Nailing Fin with J-Channel	■		
1-3/8" Nailing Fin		■	■
1-3/8" Nailing Fin with J-Channel		■	■
Dual-wall Flush Flange		■	■
No Fin	■	■	■
FRAME DIMENSIONS	460	960	970
Maximum Width	6' 0"	16' 0"	16' 0"
Maximum Height	6' 10"	8' 0"	8' 0"
PANELS	460	960	970
2-panel	■	■	■
3-panel		■	■
4-panel		■	■
COLOR EXTERIOR /INTERIOR	460	960	970
White/White	■	■	■
Sand/Sand	■	■	■
Clay/Clay	■	■	■
Painted Silver/White	■	■	■
Painted Bronze/White	■	■	■
Painted Black/White	■	■	■
Laminated Black/White or Bronze/White		■	
Laminated Black/Black		■	
GLASS	460	960	970
Low-E High Altitude	■	■	■
Low-E ^{sc} High Altitude	■	■	■
HP	■	■	■
HP ^{sc}	■	■	■
HP2+		■	
HP2 _{Max}		■	
HP3 _{Max}		■	
Title 24 Compliance Option	■	■	■
PATTERN GLASS	460	960	970
Delta Frost	■	■	■
Flemish	■	■	■
Gluechip	■	■	■
Narrow Reed	■	■	■
Obscure	■	■	■
Rain	■	■	■
Satin Etched		■	■
GRILLE TYPES	460	960	970
Grilles Between Glass (GBG)			
5/8" Flat	■	■	■
5/8" Sculptured		■	■
1" Sculptured		■	■
Simulated Divided Lite (SDL)			
7/8" SDL with Shadow Bar		■	■
1-1/4" SDL with Shadow Bar		■	■
2" SDL with Shadow Bar		■	■
2" Horizontal & 1-1/4" Vertical SDL w/ Shadow Bar		■	■
GRILLE PATTERNS	460	960	970
Colonial	■	■	■
Prairie	■	■	■
Double Prairie	■	■	■
Marginal Prairie	■	■	■
Plaza	■	■	■
Fractional	■	■	■
HARDWARE	460	960	970
Stainless Steel Hardware	■	■	■
Handle Color Finishes			
Color Matched Exterior/Interior	■	■	■
Interior Metal Finishes Only	■	■	■
Lock Type			
2-Point Lock	■	■	■
4-Point Lock		■	■
Multi-point Lock		■	
Keyed Options			
Not Keyed	■	■	■
Keyed Differently	■	■	■
Keyed Alike	■	■	■
Patio Door Rollers			
Cad/Zinc Rollers	■	■	■
Stainless Steel Rollers	■	■	■
	SLIDING	FRENCH SLIDING	



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