

Cellular PVC Windows



Table of Contents

Undeniable Beauty, Extraordinary Strength4-5
Legend Overview
Legend HBR Overview7
Double Hung & Technical Drawings
Casement, Awning & Technical Drawings10-11
Direct Set, Radius & Technical Drawings
Legend HBR Patio Doors & Technical Drawings14-15
Options & Accessories
Size Specifications

ON THE COVER // LEGEND DIRECT SET WINDOWS WITH SEG TOP TRANSOMS AND CASEMENT WINDOWS. Brentwood, Tennessee.

Imagine a Solution for Any Situation

Windsor Windows & Doors can help bring your vision to life. Our windows and doors open up a home to the light, air and beauty of the outside world. But it's the inspired designs and lasting performance of Windsor products that open up a world of possibilities for architects and builders.

Windsor has been developing unique home construction solutions for more than 70 years. We're dedicated to bringing you the highest quality products on the market, all for the best value.

Choose from a wide selection of products for new construction, remodeling or light commercial applications. Windsor's windows and doors allow you to get creative with your next project, without sacrificing quality or stretching your budget.

Your Vision. Our Passion.



FEATURED ABOVE // LEGEND DOUBLE HUNG WINDOWS FEATURING 5-1/2" FLAT CASING WITH BULL NOSE SILL NOSING MANUFACTURED WITHOUT HEAD CASING. CUSTOM HEADER APPLIED IN THE FIELD. North Augusta, South Carolina.



Undeniable Beauty, Extraordinary Strength

The Cellular PVC Difference

Traditional styling is combined with lasting durability in Legend windows and doors from Windsor. Through our cutting-edge construction process, high-density cellular PVC is utilized for its superior weather resistance and ability to simulate the look of real, painted wood.

This unique vinyl extrusion is renowned for high endurance and resistance to cracks, swelling and other weatherrelated issues. Unlike other vinyl products, Legend cellular PVC windows and doors are easily painted* and can be bent to fit nearly any custom radius product.

Providing all of the aesthetic appeal of natural fibers, with none of the drawbacks, Legend has made a name for itself as the product of choice when you want the look of wood and the no-rot performance of vinyl.



Vinyl replacement: Glass size is reduced

Legend unit replacement: Maintains glass size

Silicone Glazed

Silicone glazing increases energy efficiency and weatherproofing by inhibiting heat and cold conduction and a tight seal against water infiltration.

ENERGY STAR® Partner

Windsor Windows & Doors is proud to be an ENERGY STAR partner. Look for the ENERGY STAR logo on our products, which means those models meet EPA guidelines for energy efficiency. Performance data is available on our website at www.windsorwindows.com.

Warranty

The Legend product line offers a 25-year transferrable guarantee on exterior CPVC components, a 20-year non-prorated glass warranty against seal failure and a 10-year warranty on other parts.

State-of-the-Art Lisec[®] Glass Fabrication Equipment

Our highly-automated glass line requires no manual manipulation – dramatically reducing seal failures caused by human contact with the glass – while our robotic equipment provides an incredible level of accuracy for a fast and efficient material flow.

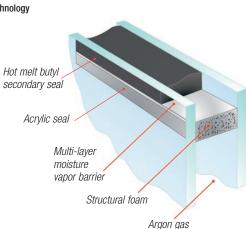
Super Spacer® Technology

Super Spacer dual-seal moisture barrier technology provides one of the most thermally efficient spacers in the marketplace, meeting or exceeding ENERGY STAR guidelines in all zones. All-foam Super Spacer reduces heat and cold conduction, which results in more comfortable living for homeowners and fewer callbacks for builders.

Super Spacer®

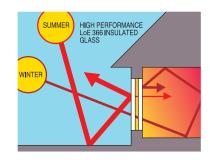
Reverse dual-seal technology

Airspace is not filled with argon in products with breathing tubes.



Cardinal[®] LoE 366 Glass

Windsor products feature LoE 366 glass with a coating that alters the way glass transmits visible and invisible light. LoE 366 decreases heat loss in



the winter and heat gain in the summer. Reduced ultraviolet light penetration also helps prevent your furniture, drapes and carpet from fading.

If you're searching for Dual Low-E and tempered insulated glass, look no further than Windsor. Combining Cardinal LoE 366 soft coating with Cardinal i89 LoE, the Dual Low-E glazing option creates clear, insulated glass with superior performance.





Traditional wood

Cellular PVC

Legend Cellular PVC Versus Vinyl

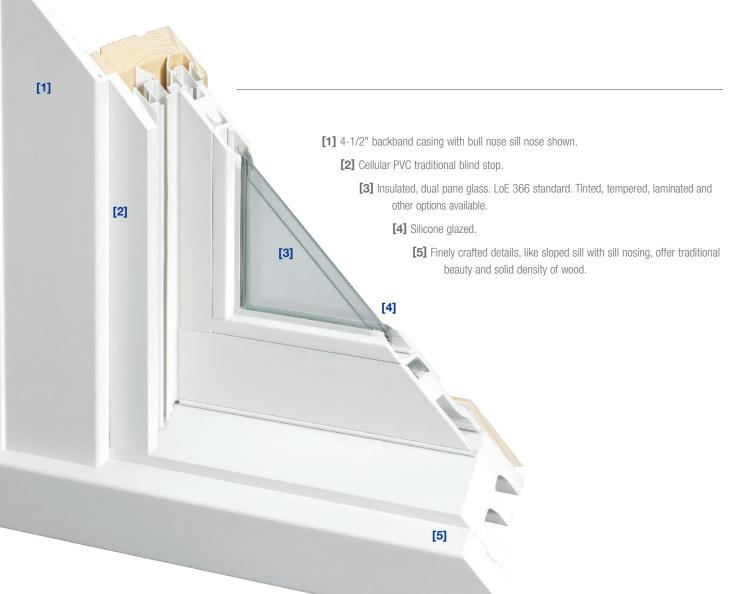
As a replacement product, Legend windows present key advantages over conventional vinyl windows. Often, vinyl replacements act as a cover for old, rotting frames or exterior casings, while also reducing overall glass size. Legend retains your glass size while providing a paintable replacement window.*

*For exterior paint applications, Windsor does not recommend the application of paints with an LRV rating of 54 or lower. For darker paint colors with an LRV rating of 54 or lower, you must use a product that has been specifically developed for application on PVC and follow the paint manufacturer's recommendations. Windsor is not liable for paint used on our Legend windows or the result of its use. Please review the instructions and guidelines found in Windsor's Care and Use Guide, available at www.windsorwindows.com.

Legend

Windsor's Legend products combine the look of natural wood with the unmatched performance and durability of cellular PVC. Highly resilient CPVC construction keeps Legend windows free from rotting, warping, cracking, sticking and swelling, even in the harshest coastal conditions. And with fine attention to detail, including a variety of trim and grille options, Legend's traditional beauty and solid wood feel make it suitable for use in many historical renovations.

With casement and awning, double hung, direct set and radius windows available in hundreds of standard sizes and various custom sizes, along with specialty designs for coastal regions, you're sure to find a Legend window suited to your every need.



Legend HBR

Get the best of both worlds. Blending the strength of the Legend CPVC frame with a wood clad sash, Legend HBR from Windsor represents the next advancement in hybrid window and door technology. Beautiful wood craftsmanship and the paintable exterior cellular PVC frame make Legend HBR a versatile choice for use for replacement, new construction or historical applications.

Available with a host of features, including cellular PVC blind stops, extruded clad wood sash in anodized finish or standard, feature or custom colors. Additionally, Legend HBR sash and frame colors can be contrasted and rough openings are identical to those of standard Legend windows, giving you the flexibility to mix and match styles and colors to complement your design vision. Legend HBR offerings come in casement and awning, double hung, direct set and radius windows, and swinging and sliding patio doors.

[4]

Bring home the traditional styling of real wood and the peace of mind provided by durable cellular PVC with Legend HBR.

[5]

- [1] 4-1/2" backband casing with bull nose sill nose shown.
- [2] Cellular PVC traditional blind stop.
- [3] Cellular PVC exterior frame comes in white factory-applied finish (shown) and can easily be painted.
- [4] Extruded aluminum exterior sash offered in 23 standard colors, 27 feature colors or eight anodized finishes. Custom color matching is also available. Tan cladding shown.
- **[5]** Interior frame and sash available in Clear Select Pine, primed, painted white or black. (Painted gray coming soon!)

[1]

[2]

Double Hung

Meet the new standard in Craftsman style and preservation projects. Because of the traditional look of cellular PVC, Windsor's double hung Legend windows are able meet the exacting needs of architects and historical renovators when high-performance and weatherproof durability are required.

Fine aesthetic details include a sloped sill and sill nosing to enhance the look of real wood, while the EZ Tilt sash and compression jambliner make removal and cleaning a simple process.* And like all Legend products, our double hung windows are paintable and are backed by a 25-year warranty.



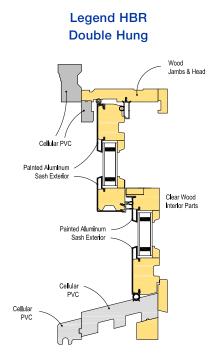
Whether you're looking for replacement windows or the perfect fit for new construction, Legend double hung is sure to satisfy.

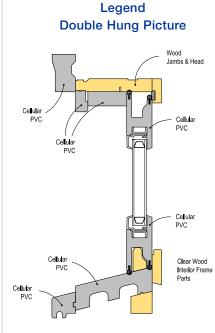
*A value-priced Legend option, utilizing a spring balance, is also available. This unit tilts, but does not feature tilt latches. Performance values for this model vary, but all other options are available.

Double Hung Technical Drawings

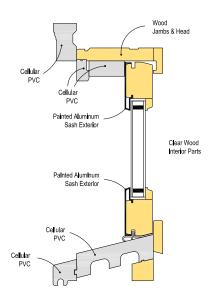
Double Hung Wood Jambs & Head 劘 Celula PVC Cellular PVC Cellular Cellular 1 PVC **PVC** Cellular PVC Clear Wood Celular PVC Interior Parts Celular PVC 1

Legend



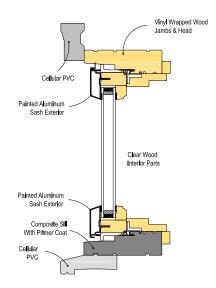


Legend HBR Double Hung Picture



Legend Double Hung Transom

Legend HBR Double Hung Transom



Cellular

PVC

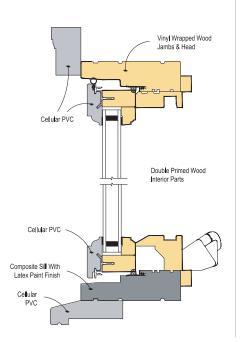


Casement & Awning

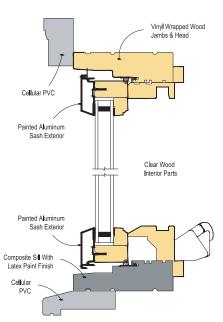
Easy-to-use has never looked as good as it does in the Legend family of casement and awning windows. With the weather-resistant strength of cellular PVC, these windows offer a guarantee against rotting, warping, swelling and other age- and weather-related problems. Energy efficiency is heightened through the use of our two-inch thick sash and silicone glazing method, meaning you'll feel the difference in your home and see the difference in your energy bills. These advantages come with easy operation thanks to our adjustable hinge system and single lever multi-point lock, making opening and closing the windows a breeze and allowing you to let in the light and the outdoor air for a bright, fresh feel in your home.

Casement & Awning Technical Drawings

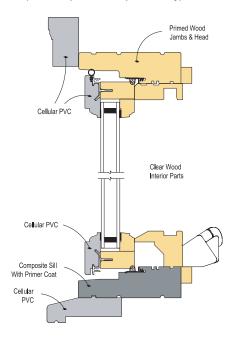
Legend Casement



Legend HBR Casement



Pinnacle Primed Casement (For Comparison Purposes Only)





ť

















Direct Set & Radius

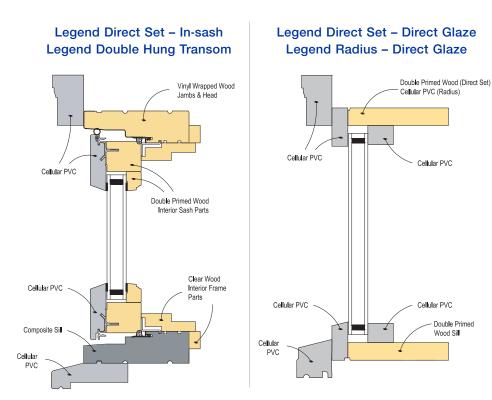
Let your imagination shine. Windsor's direct set and radius windows give you flexible styling choices and the performance, durability and energy efficiency that come standard with all Legend products. With Legend direct set and radius windows, you'll never have to worry about sacrificing reliability to gain a unique look.

Whether you're going for an angular peak, or a curved or geometric shape, our fixed units are designed to offer an option sure to make your personality shine.

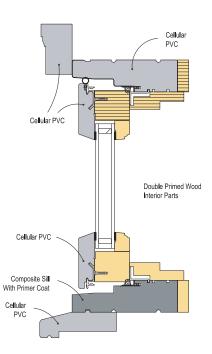
INSET // LEGEND ROUND DIRECT SET WINDOW WITH 4-1/2" BACKBAND CASING. Monroe, North Carolina.



Direct Set & Radius Technical Drawings



Legend In-sash Radius





Legend HBR Patio Doors

Make your patio the star of the show. Legend HBR patio doors offer a beautiful gateway to your outdoor space. Combining the durable nature of our primed cellular PVC frame with the exceptional appeal of a wood clad sash, Legend HBR patio doors blend the best aspects of functionality and architectural detail.

Features include a variety of grille types, patterns, hardware finishes and exterior trim options. Additionally, Legend HBR patio doors are paintable and have the option to contrast colors between the sash and frame, giving you even more versatility and opportunity to make your patio door a true showpiece in your home. Legend HBR patio doors come in French slider or in-swing models. Selecting an in-swing patio door allows you to choose from one or two operational panels, with a total of four panels in one frame. French sliders also feature up to four panels, letting you choose a look that fits your home.

Safety is also accounted for in Legend HBR patio doors with the addition of multi-point locking hardware. To complement this safety feature with style, custom transoms, radius or sidelites can be applied.

Give your patio the attention it deserves with Legend HBR swinging and sliding patio doors.

Wood Jambs & Head

T.

Clear Pine

Clear Pine Veneer

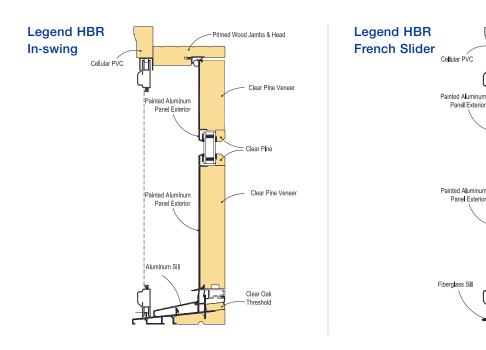
Clear Pine

Clear Pine Venee

Clear Oak

Threshold

Patio Door Technical Drawings



Options & Accessories

Finishing touches to perfect your vision. Windsor does more than just create durable, high-performance windows and doors. We pay attention to every detail and offer a wide array of options and finishes to match any décor. Flashy and eye-catching or simple and understated, our hardware, finishes, grille options, cladding colors, glass options and trim options complete the perfect window and door package.

See the difference paint can make. Windsor's in-house paint application can help you make a statement with your Legend HBR windows and doors. Choose from over 50 shades in our standard and feature color palettes, or make it truly unique with custom color matching or our matte finish colors. All paints are protected with the highly durable 2604¹ finish, or you can upgrade to 2605² for even stronger defense against the elements.³



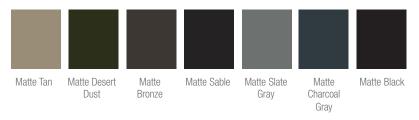


STANDARD CLAD COLORS (LEGEND HBR) Available in 2604 and 2605 finish.

FEATURE CLAD COLORS (LEGEND HBR) Available in 2604 and 2605 finish. (Custom color matching is also available.)



MATTE CLAD COLORS (LEGEND HBR) Available in 2604 finish only.



12604 finish backed by a 20-year warranty. 22605 finish backed by a 30-year warranty. 3Applications within one mile of the coast carry a 10-year warranty. For specific warranty details, please refer to the complete warranty document posted on our website, www.windsorwindows.com.

ANODIZED FINISHES (LEGEND HBR)



INTERIOR WINDOW FINISHES

Interior Wood Species



Clear Select Pine Legend HBR



Legend

Primed Legend & Legend HBR

ed	Painted White

Painted Black



Painted Gray** Legend HBR

CASEMENT/AWNING CRANK AND FINISHES

DOUBLE HUNG LOCK AND FINISHES

Legend HBR

Legend HBR double hung locks are available in all eight finishes. Legend double hung locks are available in the colors marked with an asterisk.

Legend HBR



WINDOW TRIMS Custom-fitted wood trim is available in Clear Select Pine.

Interior Trim



WM 327 • 2-1/4"



WM 356 • 2-1/4"



WM 366 • 2-1/4"



WM 361 • 2-1/2"



WM 445 • 3-1/4"



WM 444 • 3-1/2"



RB 03 • 3-1/2"

WM 473 • 2-1/4"



B 200 • 11/16" x 2-1/2"



WM 412 • 3-1/2"

Stool and Apron

Available in double or single hung windows



WM 1021 • 5-1/4"







Rosette • 2-3/4"

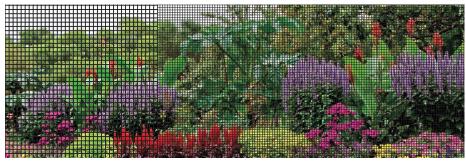
Rosette • 3-3/4"

NOTE: Printing limitations prevent exact color/finish representation. See your Windsor distributor for actual samples.

GLASS *Special order item



SCREENS

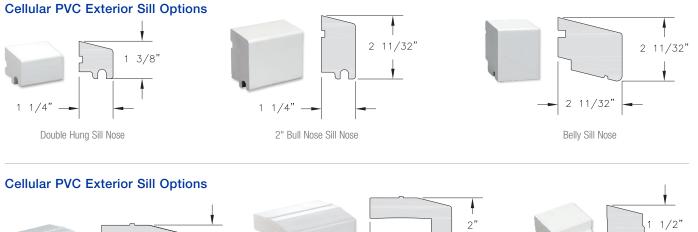


Conventional Screen Mesh

BetterVue® (Standard)

UltraVue®

EXTERIOR TRIM



1" ł 1 3/8" 3 3

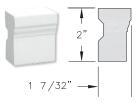
Casement Subsill

2" Casement Subsill

Half Round / Ellipse Sill Nose (Radius only)

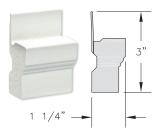
EXTERIOR TRIM

Cellular PVC Exterior Casing Options



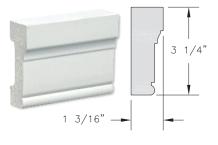
WM 180 Brickmould

Cellular PVC Exterior Casing Options

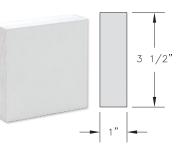


WM 180 Brickmould with Flange

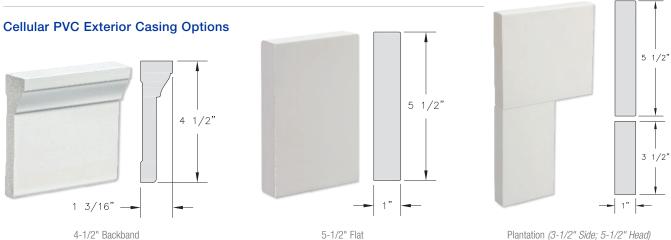
Cellular PVC Exterior Casing Options



Williamsburg



3-1/2" Flat

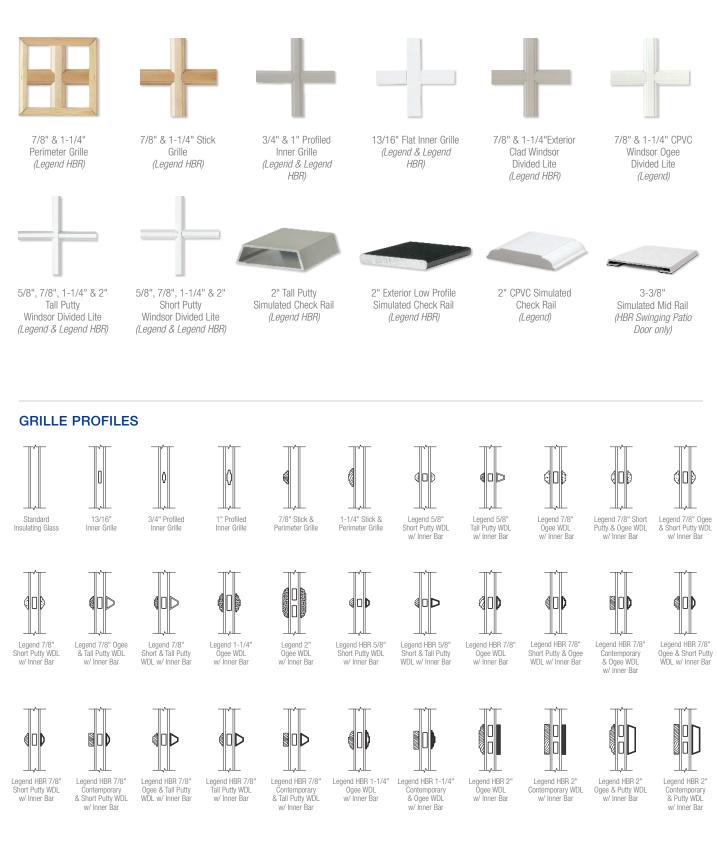


5-1/2" Flat

Plantation (3-1/2" Side; 5-1/2" Head)

NOTE: Printing limitations prevent exact color/finish representation. See your Windsor distributor for actual samples.

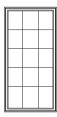
GRILLES All of our wood and cellular PVC Windsor Divided Lite (WDL) bars are hand-fitted to ensure a perfect fit. Tall and short bars are available on casement, awning and direct set. Short bars are available on double hung and patio doors.



GRILLE PATTERNS

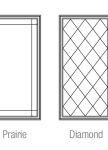
Some grille patterns are not available in all configurations and products.

Casement and Awning Grille Patterns



Colonial ·

Single Plaza







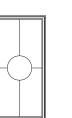
Custom Plaza

Custom

Pattern

(Example)

Custom Plaza with 2" Bar



Custom Pattern (Example)



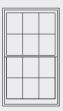
GRILLE WIDTHS

7/8"

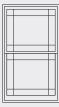
^ 1-1/4"

2"

5/8"



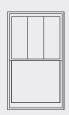
Colonial



Prairie



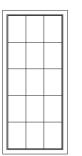
Diamond



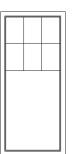
Plaza

Patio Door Grille Patterns

Double Plaza



Colonial



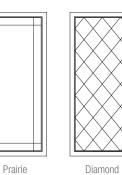
Double Plaza

Triple Plaza

Specified

Equal Lite

(2x2 shown)



Triple Plaza

Plaza with

2" Bar

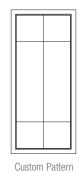


Specified

Equal Lite

(2x2 shown)

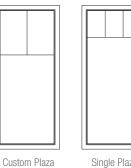
Gothic



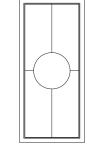
(Example)

Custom Pattern

(Example)

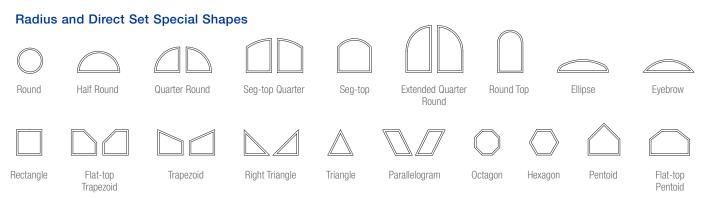


Single Plaza



Custom Pattern (Example)

DIRECT SET AND RADIUS OPTIONS



Radius Inner Grille Patterns Note: Before selecting a special grille pattern, confirm alignment with units below.











Pattern 1 3-spoke Standard Pattern 2 5-spoke Standard Pattern 3 Single Radius Starburst

42" HR & up

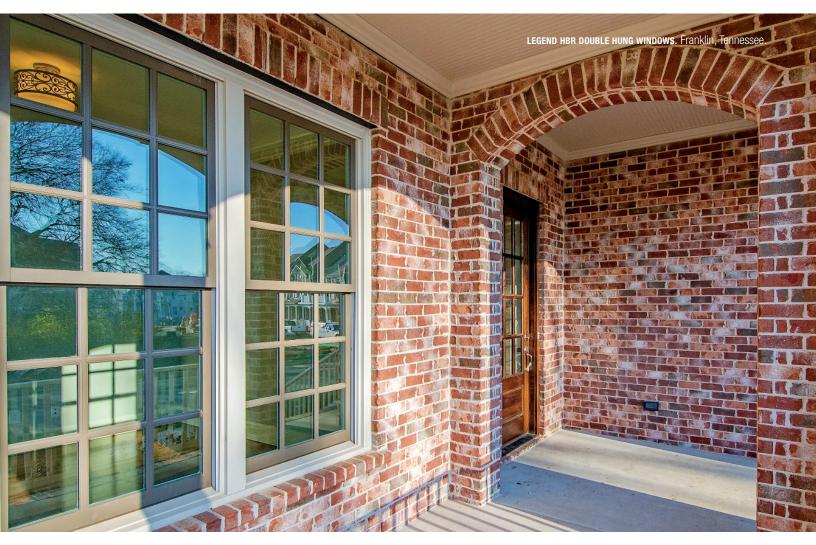
Pattern 4 Double Radius Starburst 60" HR & up

Pattern 5 Single Radius Sunburst 42" HR & up

Pattern 6 Double Radius Sunburst 60" HR & up

1-spoke 2-spoke Quarter Round Quarter Round

3-spoke Ellipse



PATIO DOOR HANDLES AND FINISHES (LEGEND HBR)

Finishes marked with asterisks* feature a clear coating that protects the finish against tarnish and peeling.

This process extends the rich, bright life of the finish and dramatically delays the aging process.



NOTE: Printing limitations prevent exact color/finish representation. See your Windsor distributor for actual samples.

PATIO DOOR HINGES (LEGEND HBR)



Adjustable Guide Hinge



Adjustable Set Hinge



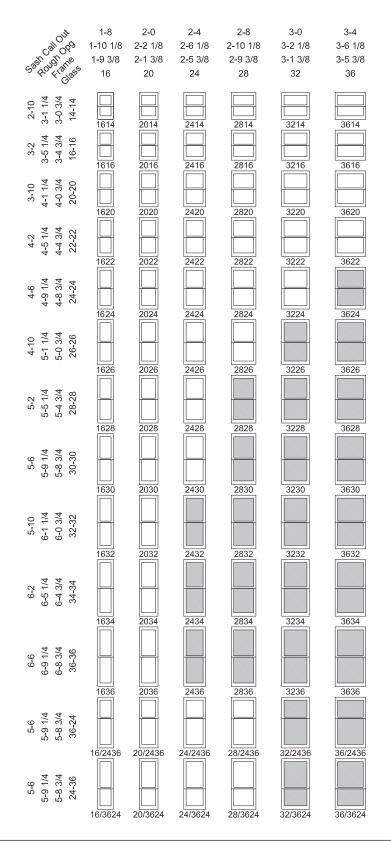
Ball Bearing Hinge





Legend & Legend HBR

Double Hung

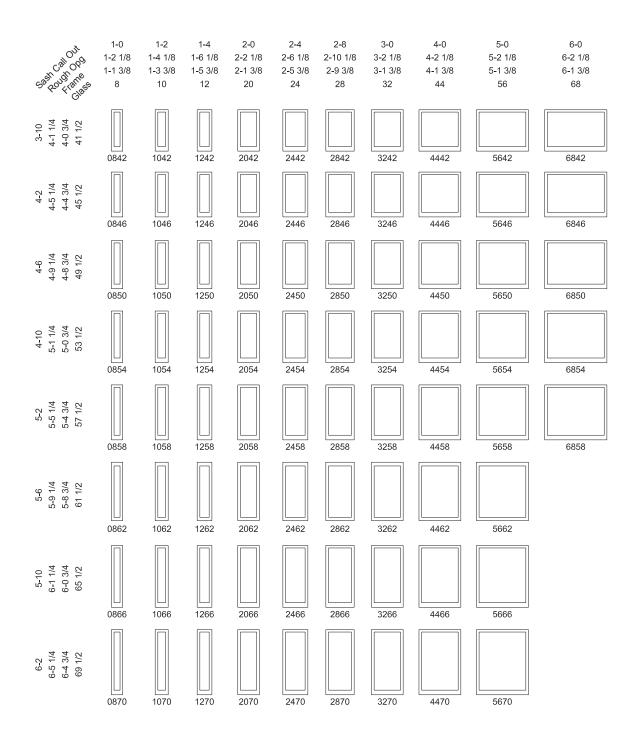


Shaded units meet most egress requirements of 5.70 sq. ft. Verify state and local requirements with your local building inspector. Sizes listed are for standard WM 180 brickmould and standard sill nose. Other exterior casing and sill nose options will have unit sizes different from those shown.

The Legend product line contains many additional sizes in half rounds and transoms. Please view our website for the entire offering. All sizes and specifications subject to change without notice.

Legend & Legend HBR

Double Hung Picture

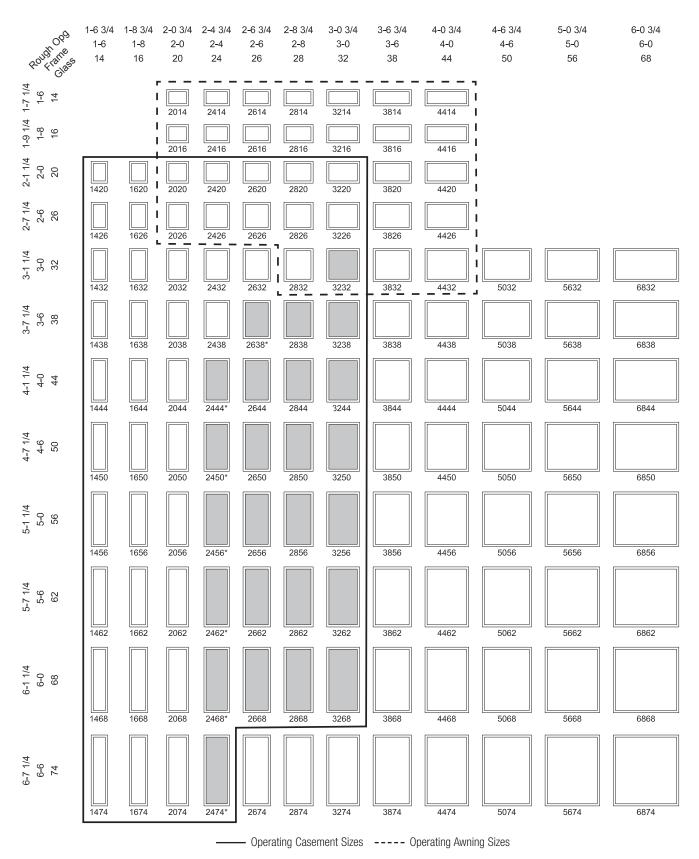


Sizes listed are for standard WM 180 brickmould and standard sill nose. Other exterior casing and sill nose options will have unit sizes different from those shown.

The Legend product line contains many additional sizes in half rounds and transoms. Please view our website for the entire offering.

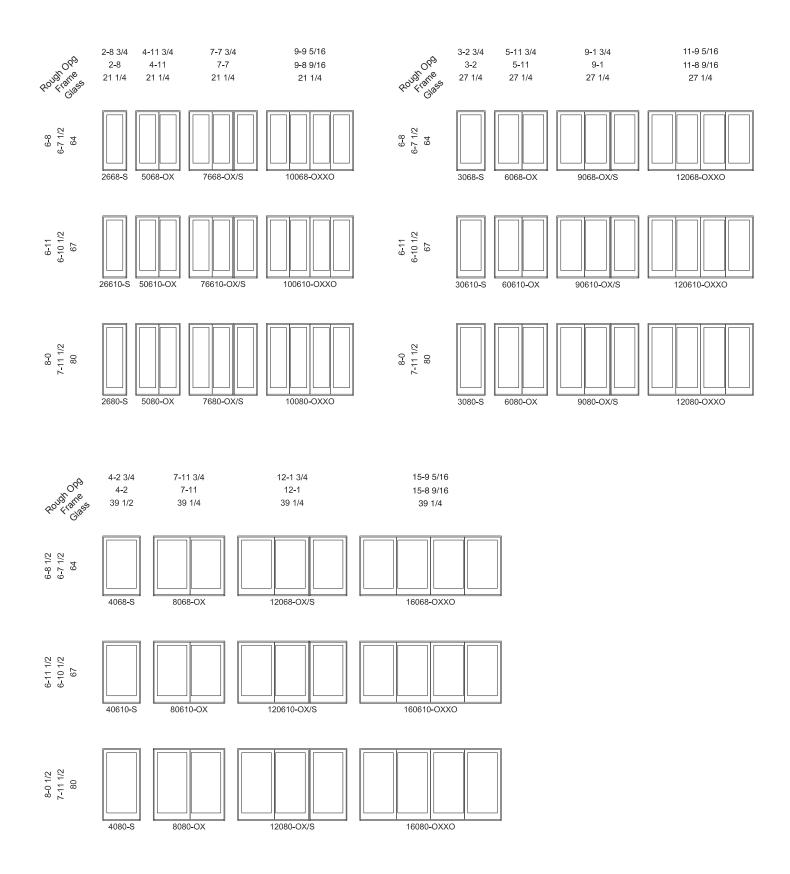
All sizes and specifications subject to change without notice.

Legend & Legend HBR Casement, Awning & Picture

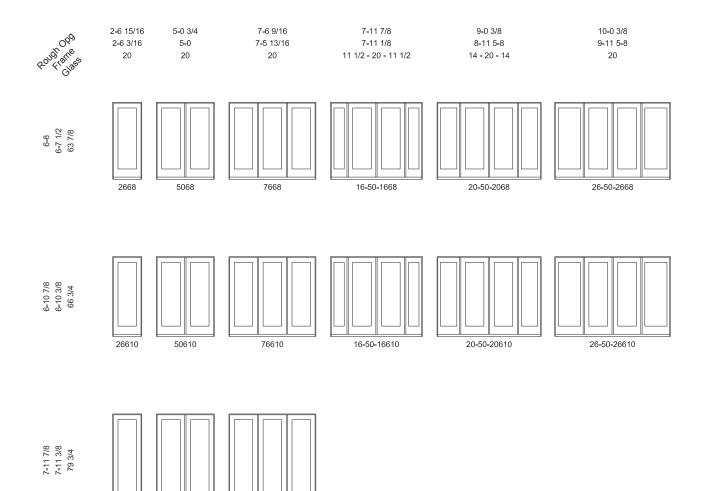


Shaded units meet most casement egress requirements of 5.70 sq. ft. Verify state and local requirements with your local building inspector. *Requires egress hardware to meet egress requirements.

Legend HBR Sliding Patio Doors



Legend HBR In-swing Patio Doors

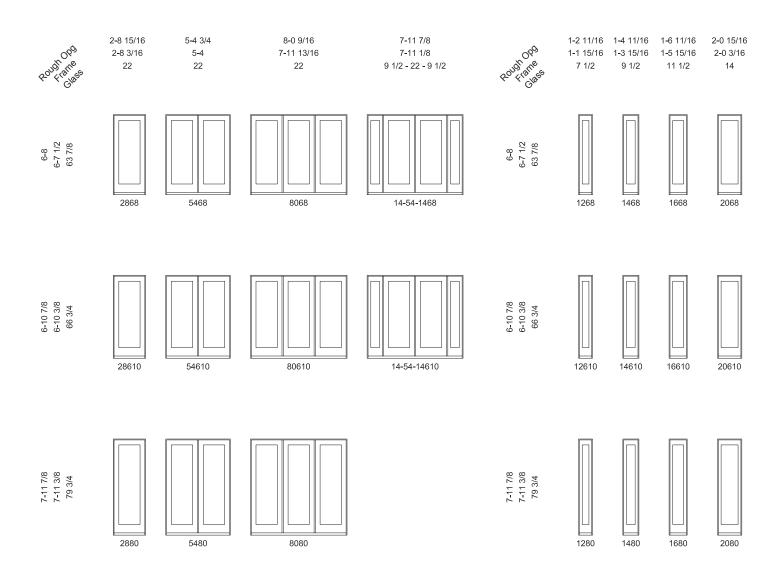


2680

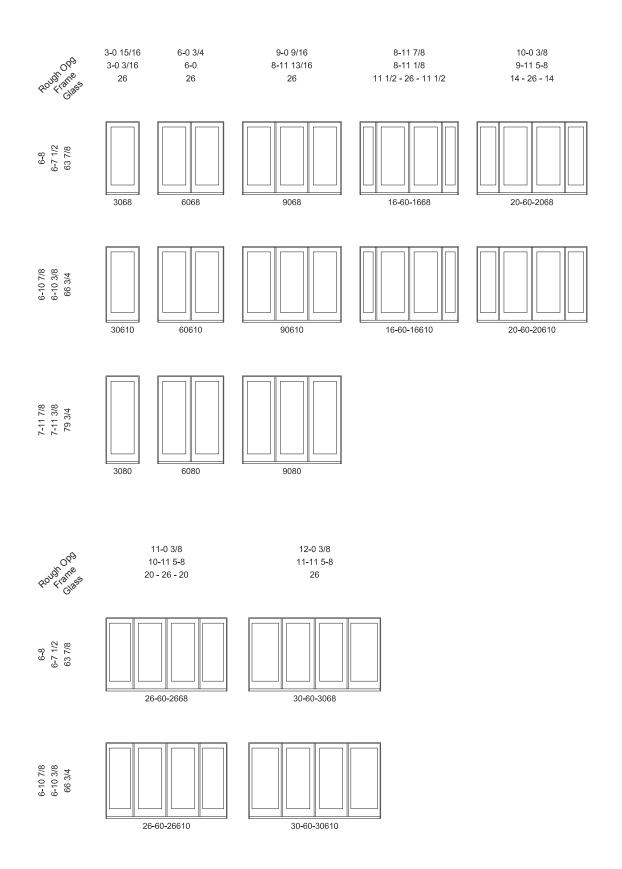
5080

7680

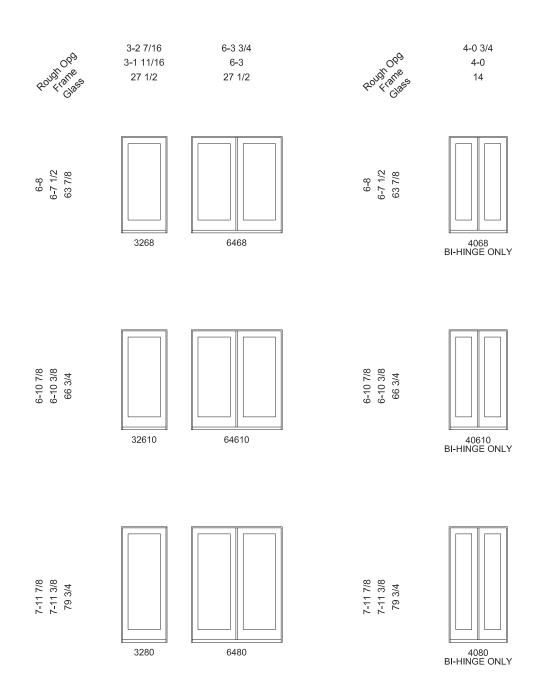
Legend HBR In-swing Patio Doors (cont.)



Legend HBR In-swing Patio Doors (cont.)



Legend HBR In-swing Patio Doors (cont.)



Windsor Windows & Doors has distinct product lines for every application. New construction. Room additions.

Window replacement. Windsor has the solutions to help meet any home building or home improvement need.

Discover all of the products we have to offer.



Pinnacle

The strength and beauty of natural wood define our elite Pinnacle line of products. Crafted from the finest pine, alder and fir, Pinnacle windows and doors add a measure of elegance to any home.

From subtle to showy, Pinnacle products are endlessly customizable through an array of finishes, hardware, shapes, grille options, cladding colors, glass and trim options, allowing the perfect window or door to be created.

Homeowners can choose from the technologically advanced Pinnacle Select, the durable and damage resistant Pinnacle wood clad or Pinnacle primed, which arrives ready to be painted.

Legend

Legend products are constructed from solid cellular PVC, creating the traditional look and feel of painted wood with the low maintenance and strong durability of vinyl. Our windows are protected against rotting, warping, cracking or swelling with a 25-year warranty. Legend products are well suited for both new construction and historical renovation.

Legend HBR products combine the strength and durability of our Legend cellular PVC frame with a wood clad sash. This powerful hybrid offers a low-maintenance exterior with a beautiful wooden interior.

Next Dimension

Next Dimension Signature windows and doors are robust, reliable products that offer the resilience of extruded multi-chambered vinyl. Enhanced components and sturdy construction add strength and stability. Homeowners enjoy exceptional performance and energy efficiency.

Next Dimension Classic is available in single and double hung units, sliders and sliding patio doors. What makes Next Dimension Classic unique is its sloped sill, tilt sash, brickmould profile frame and decorative features, such as a profiled inner grille and simulated divided lite. Next Dimension Pro vinyl windows and patio doors are designed for light commercial, multi-family and residential applications, all at a highly competitive price. Vinyl extrusions ensure superior weathering, durability and color retention. Construction features are built in to reduce maintenance, add strength and security, and maximize weather resistance.

All Next Dimension vinyl products are available in white or clay, as well as seven painted exterior colors (white, ivory, tan, bronze, cinnamon, hunter green and black). Our vinyl windows are highly rated for performance and many even offer commercially rated performance. All of our vinyl products are low maintenance and are backed by a lifetime limited warranty.

Revive[™] Pocket Replacement Windows

There's a lot to love about a home – its unique character, timeless details and genuine craftsmanship. Drafty, unsightly windows can easily steal away from the beauty of these features. That's where Revive pocket replacement windows come into the picture.

Each window can be transformed with stunning Windsor quality in about an hour – with fewer worries about disturbing any treasured wood trim or other interior and exterior features. And because they're meticulously built to order with customizable features in three high-quality materials (wood clad, hybrid and vinyl), Windsor Revive pocket replacement windows are a fast, uncomplicated upgrade.

Revive Sash Replacement Kit

Replace old, drafty, inefficient double hung sashes with energy efficient, dual pane sashes. Windsor's Revive Sash Replacement Kit makes updating easy, allowing homeowners to leave existing interior trim and plaster in place. Choose from three different replacement sashes: versatile primed wood, durable aluminum clad or low-maintenance cellular PVC. Revive sashes feature EZ Tilt, which provides fast access for hassle-free cleaning.



CONNECT WITH US

900 South 19th Street, West Des Moines, IA 50265 • 515.223.6660 • 800.218.6186 2210 Stafford Street Extension, Monroe, NC 28110 • 704.283.7459 • 800.205.5665

www.windsorwindows.com

A WOODGRAIN COMPANY

© 2020 Woodgrain Millwork Inc. Woodgrain Millwork, Windsor, the Windsor Lion logo, Next Dimension and Legend are registered trademarks of Woodgrain Millwork Inc. Windsor Windows & Doors, Pinnacle, Revive and Redstone are trademarks of Woodgrain Millwork Inc.





