

SPENCER
WALCOTT



Spencer Walcott Mathews is regarded as the founding "brother" of Mathews Brothers. In 1854, as part owner of a sash and blinds factory in Belfast, Maine, Spencer was joined by his brother, Noah. The two formed the N.M. and S.W. Mathews Co. Six years later, younger brother Sanford came aboard and they changed the name to Mathews & Co. In 1873, The Great Fire of Belfast destroyed the factory, but the brothers rebuilt and reopened 70 days later under the name **Mathews Brothers Company**. Spencer Walcott Mathews was known for his attention to detail and for his love for his company and community. Today, we apply those same principles to the product line that proudly bears his name.

WHATEVER YOUR BUDGET, WHATEVER YOUR STYLE

Our products were created to stand strong against the elements, and against the test of time. The Spencer Walcott Family of vinyl windows and doors, for new construction, remodeling or replacement, are specifically designed to meet the discerning needs of architects, builders and homeowners, as well as the changing needs of the residential building industry. The result is an energy-efficient family fenestration products that feature aesthetically integrated window styles, strength and durability

From new construction to remodeling to replacement, the Spencer Walcott windows and doors are designed to fit your project plans perfectly. You can count on each one to be durable, energy-efficient and secure.

PEACE OF MIND

For a lifetime of trouble-free performance, we have chosen a framing material composed of the highest quality PVC. It is formulated to withstand the harsh effects of weather and ultraviolet radiation, a material that resists chipping, peeling, cracking and fading. This environmentally safe compound exceeds all required materials standards for strength and color retention established by the American Architectural Manufacturers Association (AAMA).

Our unsurpassed Limited Lifetime Manufacturer's Warranty includes labor for the first five years providing you with total Peace of Mind.*

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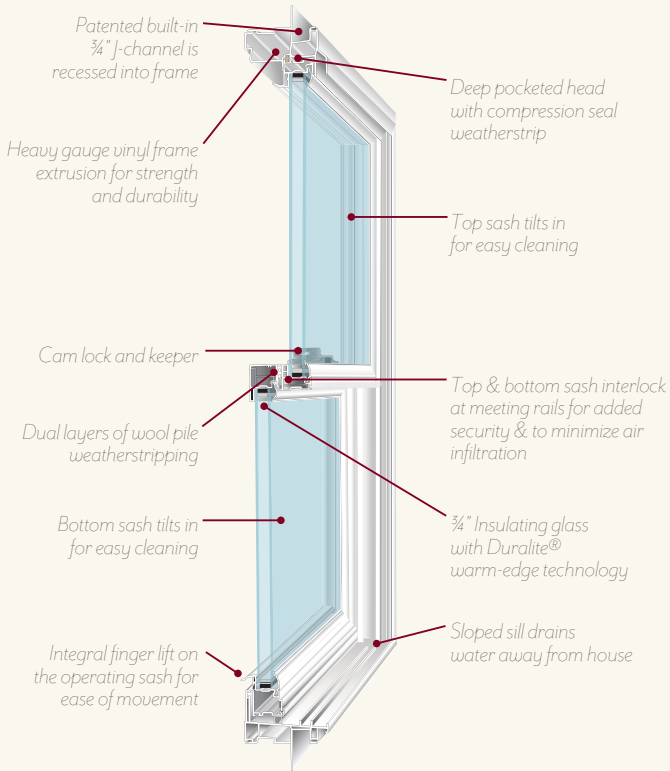
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* Please refer to Spencer Walcott Vinyl Windows Limited Lifetime Manufacturer's Warranty for complete details.

VERTICAL SLIDE - SINGLE/DOUBLE HUNG



Double-Hung Features



Standard features

- " $\frac{3}{4}$ " insulating glass with Duralite® warm-edge technology/Low-E glass^[1]/Argon gas fill.
- " Integral nailing fin [new construction only] provides air and water seal around frame. (Frames come with integral nailing fin that can be easily removed for insert application.)
- " Integral $\frac{3}{4}$ " J-channel speeds installation.
- " Fusion-welded frame and sash for added strength.
- " Constant force balance system ensures easy sash operation.
- " White interior and exterior frame and sash with color-matched hardware.
- " Pre-sloped sills for water runoff.
- " BetterVue® insect screen.

Additional features

- " Non-corrosive hardware includes a lifetime of trouble-free performance, no matter what the environment.
- " Cam-action lock action draws sashes closer for a tighter positive lock.
- " Integral interlocking meeting rail provides additional security

Optional features^[2]

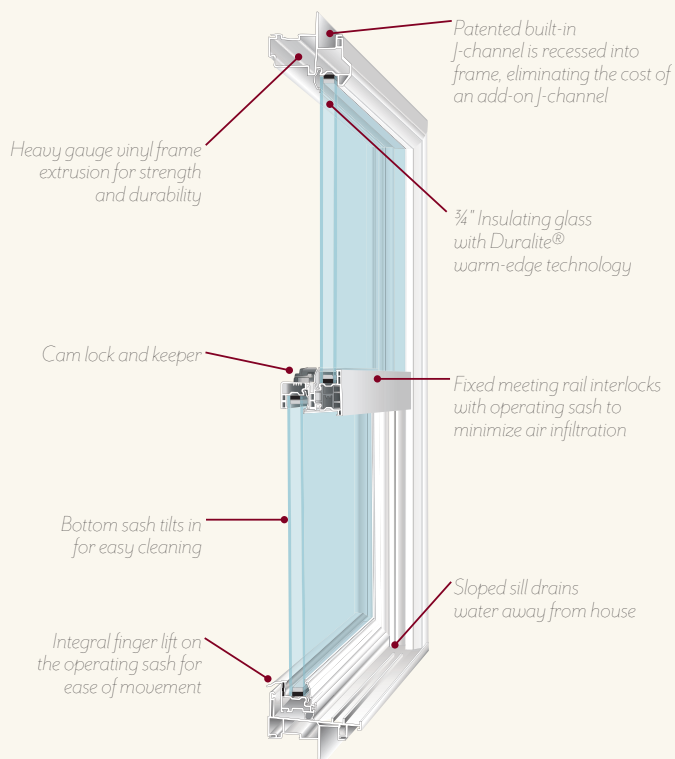
- " Desert Sand interior and exterior color with colored matched hardware
- " Equal glass size on sash emulate traditional wood appearance.
- " Jamb covers for a neater interior appearance.
- " Grilles available as Grilles Between Glass or Simulated Divided Lites
- " J-channel cover
- " $\frac{3}{4}$ " Drywall return
- " Extension Jambs
- " Window Opening Control Device^[3]
- " Exterior trim/casing
- " Pediment Head (Rectangles only; not available for radius or polygon)
- " Custom exterior color finishes

1 One pane Low-E glass and one pane clear glass.

2 See pages 14-15 for additional options.

3 Not available on Double Horizontal Slide or Awning.

Single-Hung Features



Double-Hung Windows

Traditional, classic, durable — double-hungs give you all of that plus energy efficiency and peace of mind. Top and bottom sash operate smoothly allowing you to control air flow, and they both tilt-in for easy cleaning and care. Grilles can be added to further enhance the traditional look of your home.



Used singly, or factory mulled with transoms or other fixed or hung units to add a dramatic accent to your home's appearance, while providing a brighter, more open interior.

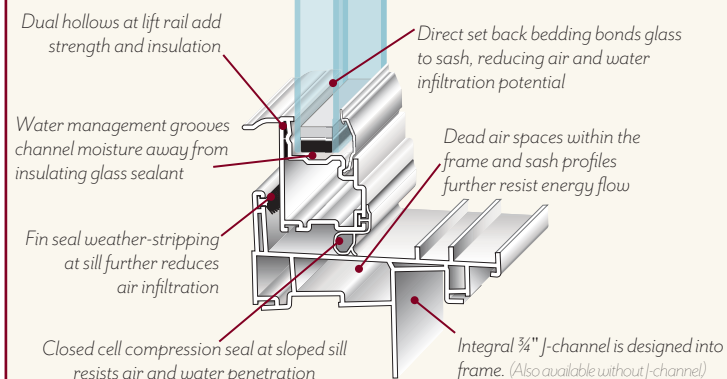
Single-Hung Windows

Our single-hung windows are built with a fixed top sash, while the lower sash moves up and down to allow ventilation.

In addition, the bottom sash conveniently tilts-in for easy cleaning.



Structural interlock at meeting rails provides an additional layer of protection and weather resistance.



Resource Center

Installation Instructions
Standard House Wrap



Installation Instructions
Integrated Moisture Barrier

Double Hung
Operation



Double Hung
Screen Removal/Replacement

Double Hung
WOCD
(Window Opening Control Device)



CASEMENT/AWNING



Standard features

- ¾" insulating glass with Duralite® warm-edge technology Low-E glass^[1] and argon gas fill
- Integral nailing fin [new construction only] (Frames come with integral nailing fin that can be easily removed for replacement purposes)
- Available with or without ¾" J-channel
- Fusion-welded frame for added strength and durability
- White interior and exterior color with color matched hardware
- Pre-sloped sills for water runoff
- BetterVue® insect screen (on operating units)

Additional features

- Casement sash opens completely^[2], so windows can be cleaned easily from inside your home
- All components are corrosion resistant, providing years of trouble-free performance
- Multi-Point Locking System for the utmost security
- Three layers of weather-stripping ensure effective barrier to air and water penetration
- Top rated hardware system allows even the largest casements to be effortlessly and smoothly operated

1 One pane Low-E glass and one pane clear glass.
2 Unless egress hinge is used.



Optional features^[1]

- Desert Sand interior and exterior color
- Add-on J-channel
- Grilles available as Grilles Between Glass or Simulated Divided Lites
- Exterior trim/casing
- Pediment Head
- Custom exterior color finishes
- ¾" Drywall return
- Extension Jambs
- Window Opening Control Device^[2]

1 See pages 14-16 for additional options.
2 Not available on Double Horizontal Slide or Awning.

Resource Center

Installation Instructions
Standard House Wrap



Installation Instructions
Integrated Moisture Barrier

Casement/Awning
Operation
W OCD
(Window Opening Control Device)



Casement Features

Heavy-Wall Reinforced Construction, allows for slim-line look while ensuring maximum strength and durability

Specially designed Airtight Seal, reduces the maximum amount of air flow while increasing tightness

Multi-Point Lock

Low Profile Curved Lock lies flat, out of the way of window treatments

Low Torque Operator, crank requires 33% less operating force, includes an airtight operator cover

Standard fold down handle with nesting cover

Please note: nailing fin not shown
Optional: add on J-channel (not shown)

E-Gard® Plus™ a specially formulated process designed to provide superior corrosion protection on carbon steel hardware components used in casement and awning hardware products, is standard on all our casements and awnings.



Casement Windows

With clean, contemporary architectural lines, casement windows offer 100% opening for maximum ventilation. By extending beyond the plane of the wall, casements catch passing breezes and channel them into the home.

Casement & Awnings are our most energy-efficient operating product unit, featuring $\frac{3}{4}$ " insulating glass and a single lever multi-point locking system that keeps the sash tightly sealed in multiple locations. You'll be able to open and close your windows with ease, thanks to our smooth low gear operator. And, our sashes open completely (non-egress), so windows can be cleaned easily from inside your home. Our top rated hardware system allows even the largest casement to be effortlessly and smoothly operated.

A unique feature of our Casement units is the $1\frac{3}{8}$ " False Meeting Rail, that emulates the lines of a Double Hung, while giving you the opening and egress of a Casement.

Awning Windows

An awning window is hinged at the top and opens out from the bottom allowing in fresh air, while keeping out the rain. Use alone or in combination with casement, picture, or other awnings.



HORIZONTAL SLIDE



Standard features

- ¾" insulating glass with Duralite® warm-edge technology Low-E glass^[1] and argon gas fill
- Integral nailing fin [new construction only] (Frames come with integral nailing fin that can be easily removed for replacement purposes)
- Integral ¾" J-channel
- Fusion-welded frame and sash for added strength
- White interior and exterior color with color matched hardware
- BetterVue® insect screen

Additional features

- Two sets of Nylon glides evenly disperse the weight of the sash
- Glides travel on integral track system allowing for effortless fingertip operation
- Independent weep chambers on frame ensure effective water runoff
- Dual Sliders, both sashes lift out for easy cleaning

Optional features^[2]

- Desert Sand interior and exterior color with color matched hardware
- Grilles available as Grilles Between Glass
- J-channel cover
- Exterior trim/casing
- Pediment Head
- Custom exterior color finishes
- ¾" Drywall return
- Extension Jamb
- Window Opening Control Device^[3]

1 One pane Low-E glass and one pane clear glass.

2 See pages 14-16 for additional options.

3 Not available on Double Horizontal Slide or Awning.

You'll find the horizontal sliders are the best value in our impressive line of new construction or replacement products. Because they don't open into outdoor activities, our easy-glide sliders are especially recommended for high traffic areas, such as over a deck or walkway.

Horizontal slider windows are available in two lite (left, right, or dual venting) and three lite configurations (¼ - ½ - ¼ and ⅓ - ⅓ - ⅓).



Resource Center

Installation Instructions
Standard House Wrap



Horizontal Slider
Operation



Installation Instructions
Integrated Moisture Barrier

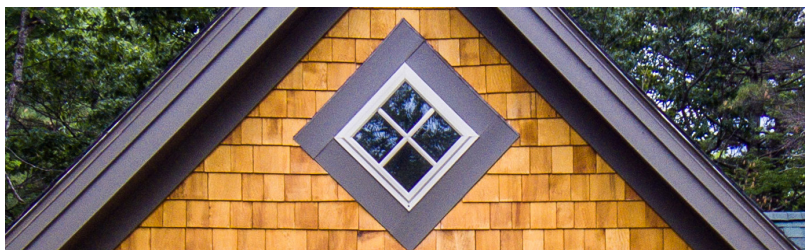


Horizontal Slider
Screen Removal/Replacement



Available for new construction and replacement applications

PICTURE • TRANSOM • RADIUS • GEOMETRIC



Whether used alone or in combination with other window styles, picture windows add dramatic styling while bringing light into your home.

Transom units can be used alone, over another straight window or door, or under a shape.

Architectural Shapes

Shapes are available in two styles — straight and radius.

- Trapezoid
- Triangle
- Half-Round
- Quarter-Round
- Eyebrow
- Elliptical
- Extended Arch
- Oval
- Circle
- Octagon



Standard features

- ¾" insulating glass with Duralite warm-edge technology
- Low-E glass^[1] and argon gas fill
- Integral nailing fin [new construction only] (Frames come with integral nailing fin that can be easily removed for replacement purposes)
- Integral ¾" J-channel
- White interior and exterior color

Additional features

- Independent weep chambers on frame ensure effective water runoff

Optional features^[2]

- Desert Sand interior and exterior
- Grilles available as Grilles Between Glass or Simulated Divided Lites
- J-channel cover
- Exterior trim/casing^[3]
- 2-½" Interior Colonial casing (arch/radius units only)
- Pediment Head
- Custom exterior color finishes
- ¾" Drywall return
- Extension Jambs

¹ One pane Low-E glass and one pane clear glass.

² See pages 14-16 for additional options.

³ Exterior casing not available for all radius units.

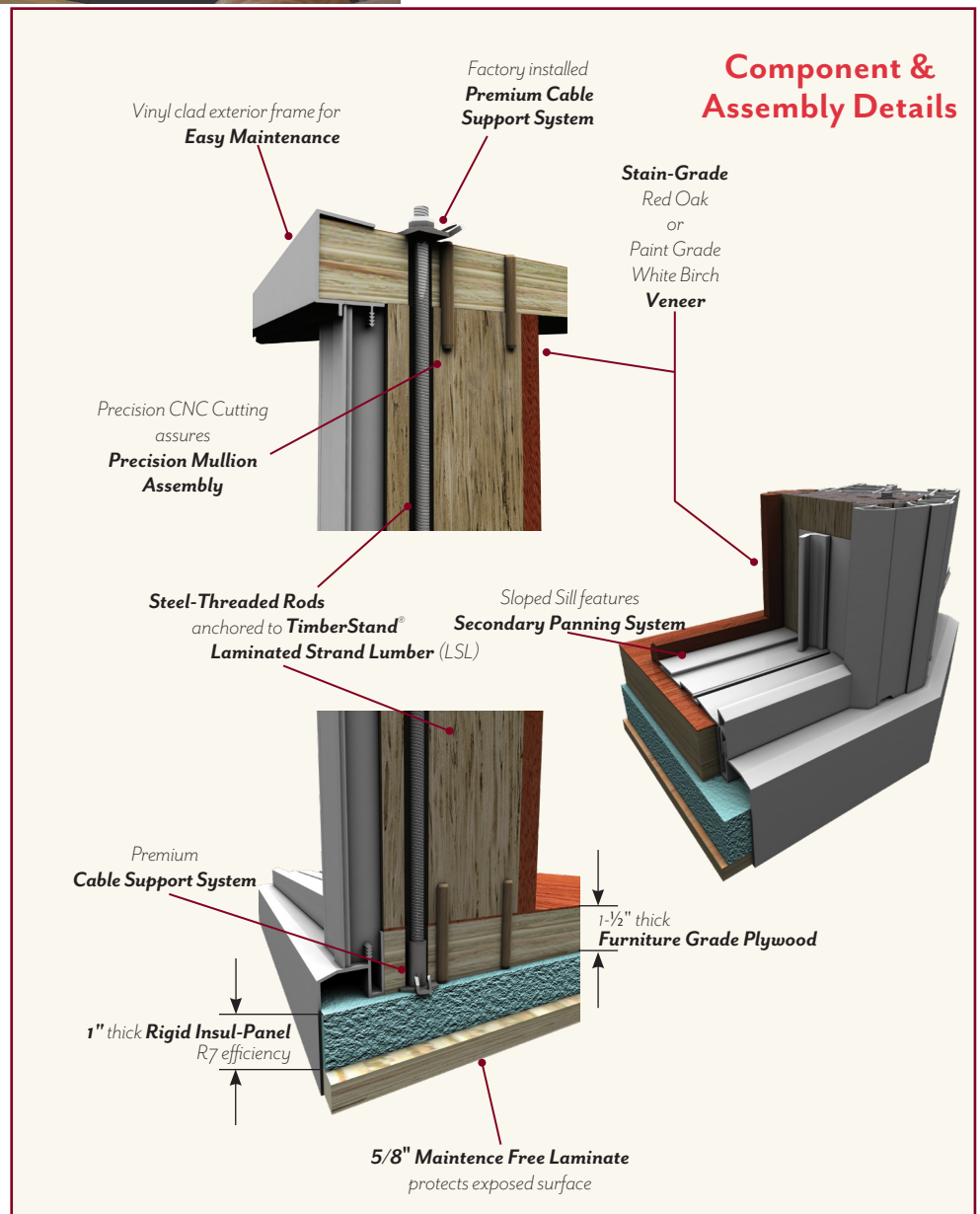
PROJECTED UNITS

Available for new construction only



In order to provide you with a worry-free system, the framing around your Spencer Walcott windows has to be as good as the windows themselves.

That's why you'll appreciate the structural strength that is designed into every one of our beautiful projected bows and bays.





Think Outside the Box

Windows don't have to be two dimensional. Projected units dramatically impact the look and feel of a home. Whether it's a classic bay or a subtle bow, projected units add depth and dimension to the inside, and a distinctive accent to the outside.

Like all our products, our bay and bow windows are made by skilled craftsmen, from the highest quality materials.

We start with the foundation: the framework, which has been cut to exact specifications using precision CNC technology.

In order to provide strength and structural integrity to the critical mull points, we use a combination of structural

engineered lumber with 1-1/2" furniture grade head and seat boards, anchored together by solid steel rods.



The seat board boasts an additional 1" thick insulating panel. This additional layer reduces energy bills by protecting against conductive heat transfer, and also reduces condensation.

The rugged and sturdy framing is tastefully finished on the inside with the rich beauty of a 1-1/2" furniture grade, hardwood veneer plywood. Choose from stain-grade Red Oak or paint-grade Birch.

Angle bays are available in a 30° or 45° version, while Bows are available in three-, four-, and five-lite versions. Combine fixed, casement or double-hung windows to match your existing decor.

No matter what you choose, every detail in the design has been considered; nothing has been overlooked, ensuring years of trouble-free performance... and beauty.

SLIDING PATIO DOORS

Available for new construction



The insulated glazing^[1] in our vinyl sliding patio door is constructed using warm-edge technology, as well as Low-E tempered safety glass with argon gas fill, so it holds up to the weather while allowing you to experience the beauty of the great outdoors.

Constructed from low-maintenance vinyl, the frame and panels are welded at the corners during assembly to provide a product superior in strength, performance, and appearance. Reinforcement is used at the meeting stiles, and at the lock points of the frame and panel for added rigidity and strength. The sliding door operates smoothly on heavy duty steel tandem rollers.

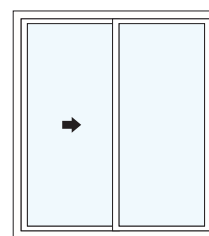
Our sliding patio doors come with Truth's Signature™ Series premier handle set, with its contoured shape it is both elegant and easy to grasp, available as keyed or non-keyed. Handle sets come in eight finishes, which helps you customize the look of your door.

The glide screen is made from heavy extruded aluminum framing, fiberglass mesh screening and operates easily on steel rollers.

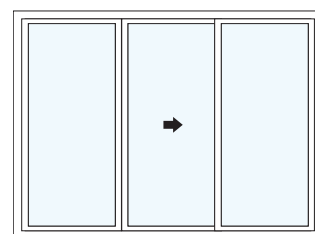
Spencer Walcott vinyl sliding patio doors are available as two-, three-, or four-panel, in standard and custom sizes; with either left or right operating panel. Available with or without grilles.

Common Configurations

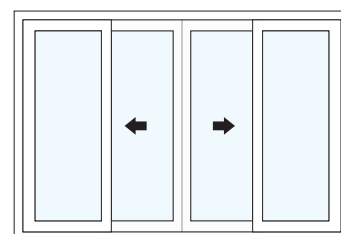
As viewed from exterior



Two Panel Door



Three Panel Door



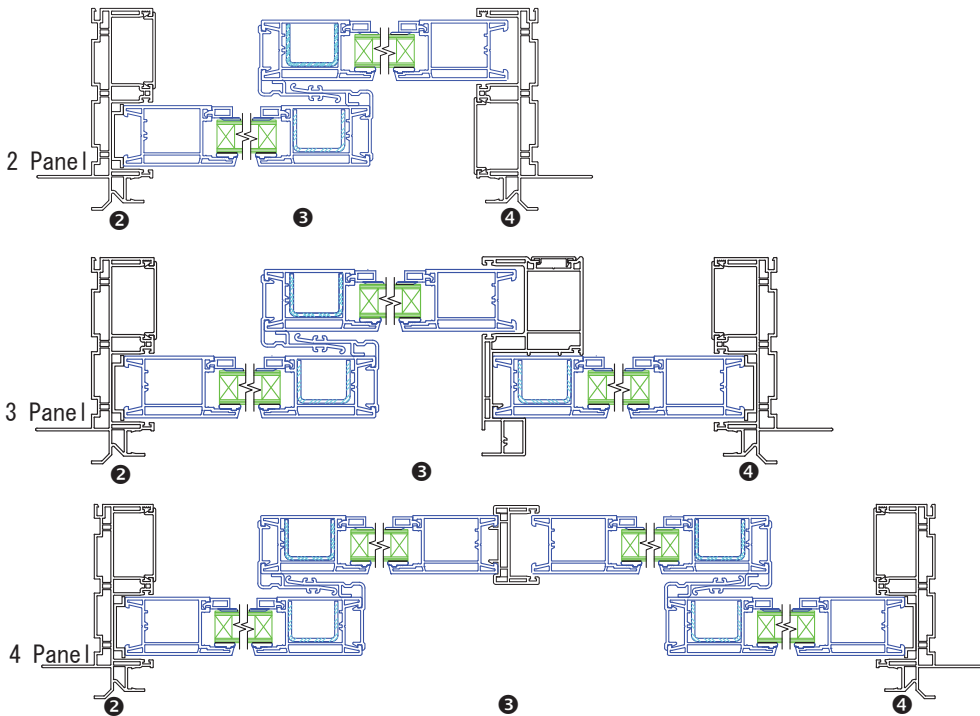
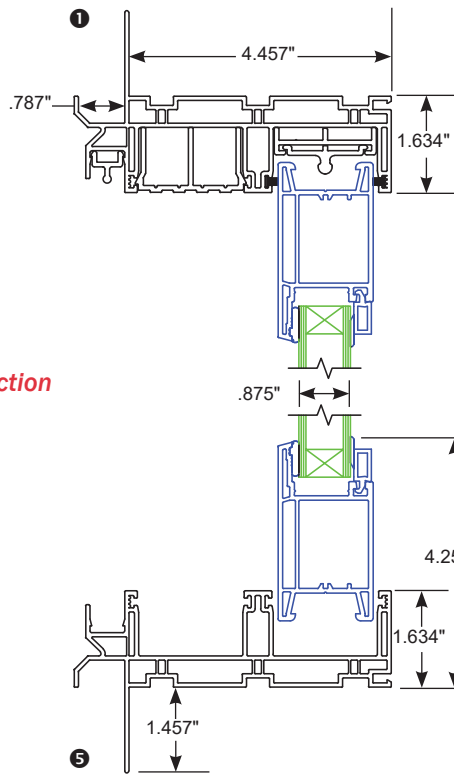
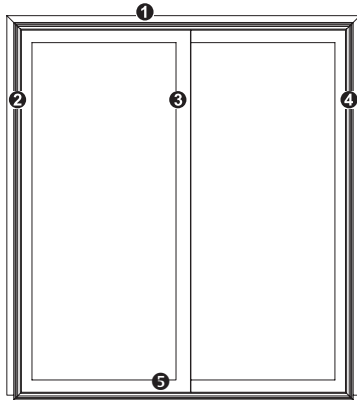
Four Panel Door

¹Qualifies for the ENERGY STAR® label



Sampling of handle set colors
see page 15 for entire collection

Sliding Patio Door for New Construction



Sliding Patio Door Standard Sizes
Custom sizes available



Standard Door features

- 7/8" Tempered Low-E/Clear insulating glass with argon gas fill
- White interior and exterior color, with matching handle sets
- Integral nailing flange and integral J-channel
- 4 9/16" jamb
- Fusion-welded joints
- Heavy-duty extruded insect screen

Optional features¹

- Grilles: Colonial or Prairie Style, available in matching White or Desert Sand
- Transoms and sidelites
- Stainless steel rollers for door panel
- Desert Sand color with matching handle sets (as keyed or non-keyed)
- Handle sets in eight colors; keyed or non keyed handle
- Custom exterior color finishes
- Monarch exterior casing
- Pediment Head

¹ See pages 14-16 for additional options.

TWO PANEL DOORS			THREE PANEL DOORS			FOUR PANEL DOORS		
ITEM	R.O.	U.S.	ITEM	R.O.	U.S.	ITEM	R.O.	U.S.
PD5068	60 x 80.0	59.5 x 79.5	PD7668	90 x 80.0	89.5 x 79.5	PD10068	119 x 80.0	118.5 x 79.5
PD6068	72 x 80.0	71.5 x 79.5	PD9068	108 x 80.0	107.5 x 79.5	PD12068-4	143 x 80.0	142.5 x 79.5
PD8068	96 x 80.0	95.5 x 79.5	PD12068-3	144 x 80.0	143.5 x 79.5	PD120611-4	143 x 82.5	142.5 x 82.0
PD60611	72 x 82.5	71.5 x 82.0	PD90611	108 x 82.5	107.5 x 82.0			
PD80611	96 x 82.5	95.5 x 82.0	PD120611-3	144 x 82.5	143.5 x 82.0			

R.O. = Rough Opening; U.S. = Unit Size

WINDOW CUSTOMIZATION

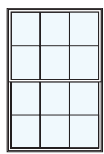
Distinctive Window Design

Further that design with a custom or standard grille pattern, either with Grilles Between Glass (GBG) or Simulated Divided Lites (SDL). By placing a variety of design patterns within the glass, GBGs offer an attractive and low maintenance artistic option. Traditional window grilles can be replicated by means of SDL muntin bars, which are permanently attached to both the interior and exterior glass.

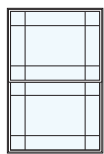
Continue the traditional look with horizontal Pediment Heads (also known as Crossheads) added to the outer casings of windows. Pediments are often used to provide outstanding visual improvement without breaking the bank.

With the many optional exterior paint colors available, you can truly make a unique statement to your home or office.

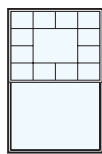
Common Grille Configurations



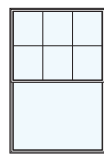
Colonial



Prairie



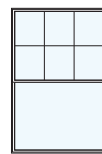
Queen Anne



6/1



Ladder



False Meeting Rail (Casement)

Exterior Trim Options



4 1/2" Banded Casing



Brickmould (908) Casing



5/4 x 3 1/2" Flat Casing



Northern Casing (showing install channel)

Exterior Paint Options

Our in-house palette consists of 17 prefinished exterior colors, with many other colors available.



Pearl White



Cream White



Desert Sand



Adobe



Fog



Gray



Slate Blue



Edgewood Blue



Spruce Green



Dark Forest



Black



Bronze



Dark Brown



Earth Brown



Barn Red



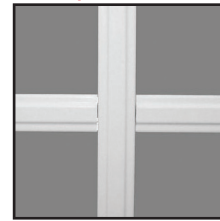
Boysenberry



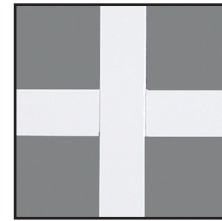
Burgundy

Please note that the material colors are not necessarily precise representations due to variance in the printing process.

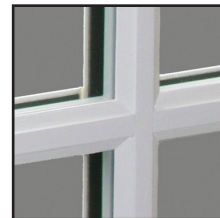
Grille Options



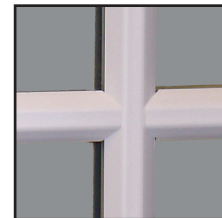
3/4" Contoured GBG (Grilles Between Glass)



5/8" Flat GBG (Grilles Between Glass)



3/8" Contoured SDL (Simulated Divided Lite)



5/8" Contoured SDL (Simulated Divided Lite)

Exterior Sill Nose Options



Standard Sill Nose



Historic Sill Nose

Pediment Head Options



Shown w/Standard Frame
(no exterior casing)



Flat Casing shown



Banded Casing shown

Pediment head not available with Brickmould or Northern casing

Frame/Sash Color Options



White
(standard)



Desert
Sand



Black
Interior*

*Black interior laminate available on
Double Hung, Casement and Picture Units

Hardware Options

COLORS & FINISHES



White
(standard)



Desert
Sand



Black

VERT/HORIZ SLIDE



CASEMENT AND AWNING



Operator Handle
(folded and unfolded)

Locking System



PATIO DOOR - HANDLE SETS



1. Interior latch (standard white)
2. Exterior non-keyed (opt. desert sand)
3. Exterior keyed (opt. brushed nickel)



White
(standard)



Desert
Sand



Black



Faux Oil
Rubbed
Bronze



Bright
Brass



Antique
Brass



Oil
Rubbed
Bronze



Brushed
Nickel

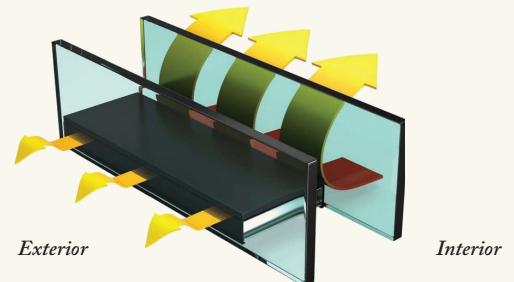
Please note that the material colors are not necessarily precise representations due to variance in the printing process.

Duralite® warm-edge spacers = Improved Efficiency

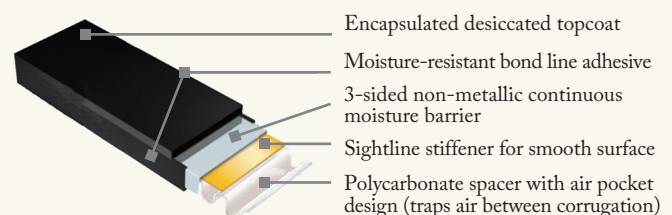
Spencer Walcott windows use this superior warm-edge insulating glass sealant system for improved energy efficiency and resistance to condensation, greater comfort, and lower heating and cooling costs.

The Duralite spacer inside your window's insulating glass unit can reduce heat transfer and improve the temperature of your inside window glass. The warmer the glass edge, the less energy lost and the more comfortable you feel near your window. That leads to saving energy, which reduces how much you spend to heat and cool your home. Duralite can also reduce condensation on the glass, keeping off moisture for a clearer view to the outside. Less condensation and reduced energy costs mean a healthy, more comfortable home.

The Duralite spacer is a component laminate design that optimizes the use of a number of spacer components. All spacers need adhesives, sealants, structural elements and desiccant to perform. They also need to last a long time under adverse conditions inside your window frame. Duralite is designed to seal your window better and longer, while increasing energy savings compared to other types of spacers.

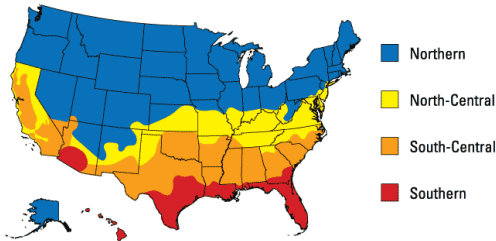


When Duralite® non-metallic insulating glass spacers are used, glass edge is better insulated against energy loss, creating a higher performance thermal barrier.



WHEN THE SOLUTION

BACKGROUND - Since its introduction in 1992, **Energy Star**® certification has been the 'Holy Grail' for manufacturers of electronics, lighting, appliances, and building materials, especially windows. The certification is the consumer's assurance that the product bearing the **Energy Star**® label is among the most energy efficient in its class. And because the designation is given only to the top performers within their class, achieving **Energy Star**® certification has prompted window designers and manufacturers to continually produce better and more energy-efficient products.

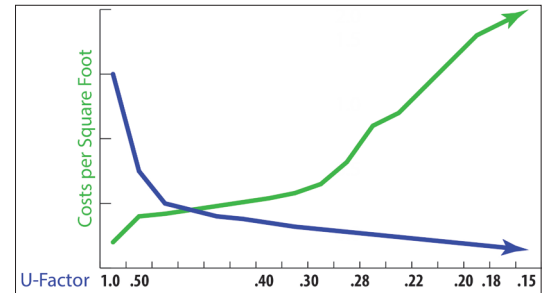


Four climate zones define the country

When first adopted, **Energy Star**® certification was fairly easy to achieve. Usually, a thermally improved frame with an Insulating Glass Unit would qualify. However, over the subsequent decades, the Environmental Protection Agency has required gradually improved performance in order to qualify.

THE QUANDARY - Keeping pace with these demands for improved performance has taken the combined efforts of the entire industry, including manufacturers and their suppliers of framing, glass, sealants, hardware and other components. Ultimately, every incremental performance improvement comes with an exponentially higher price tag.

Under **Energy Star**® 6.0, the stringent U-Factor required in the Northern zone (U=0.27 or better) has proven to be an extremely difficult performance level for many manufacturers to achieve. As frequently happens, government regulations and mandates require solutions that are beyond the performance limits of a product's design. When this occurs, manufacturers either replace the old product, or they explore alternate methods of meeting performance criteria, some of which may have unintended consequences.



Every incremental improvement costs exponentially more

CHASING THE NUMBERS - In thermal testing, administered by the National Fenestration Rating Council (NFRC), windows are measured for various performance attributes – average **Air Infiltration** (AI), overall **Thermal Conductivity** (U-Factor), potential for **Solar Heat Gain** (SHGC), the percentage of **Visible Light Transmittance** (VT), and its overall **Condensation Resistance** (CRF). Each one of these attributes are measured and reported, as they all influence energy consumption and are excellent indicators of how the window will perform when compared to other windows.

U-Factor is the measurement of the rate of Heat Loss through the window, so the lower the number, the better. U-Factor takes into consideration framing, glazing and spacer conductivity, therefore it is a rating of the entire window unit.

In order to qualify for Energy Star® 6.0, some window manufacturers have had to resort to providing so-called 'S4' Glazing, wherein the interior surface of the window contains an exposed Low-e (low emissive) surface.


While this option will result in a lower U-Factor, it also increases interior levels of condensation to potentially damaging and unhealthy levels, particularly in the Northern climate zone.

Because of the risk of sheetrock damage, the potential for dangerous mold growth, and other reasons, Mathews Brothers will not offer S4 Glazing on any of our window or door units.

VT is the Visible Light Transmittance of the glass unit. This is an important rating to consider when specifying glazing packages that include Low-e glass. Low-E glass reduces radiated heat loss, but also reduces visible light.

Since 'S4' Glazing typically involves the introduction of at least one additional layer of Low-e, VT is reduced dramatically, resulting in a condition many consumers find unsatisfactory.

Know Your Values

 National Fenestration Rating Council® CERTIFIED	Mathews Brothers Company Classics NC / Repl DOUBLE HUNG MBC-M-21-08776-00001 HOLLOW VINYL FRAME LOWE ARGON MNTNS Dual Pane (405331 - 3)	
ENERGY PERFORMANCE RATINGS		
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient	
0.27	0.31	
ADDITIONAL PERFORMANCE RATINGS		
Visible Transmittance	Air Leakage (U.S. / I-P)	
0.56	≤ 0.3	
<small>Manufacturer stipulate that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information.</small>		
www.nfrc.org		

SHGC is the Solar Heat Gain Coefficient of the glass unit. Since the SHGC typically drops with the U-Factor, any potential passive solar heating will also be reduced. This can be an important consideration in the Northern climate zone, where in the winter the days are shorter, and the sun has a lower azimuth.

Introducing additional layers of Low-e glass will also reduce the potential for solar heat gain.

Mathews Brothers offers Low-e coatings that provide very low U-Factor values, while still permitting solar heat gain.

Air Infiltration is a measurement of the cubic volume of air that passes between a window frame and the sash, and is expressed as cubic feet per minute, per square foot of window.

This number is typically posted as 'less than or equal to 0.3', since air infiltration is a pass/fail at that number.

Of all the information appearing on the NFRC label, this is perhaps the least important, from a performance standpoint.

BECOMES THE PROBLEM

QUESTIONABLE SOLUTION - When looking at the NFRC label, it's important to remember that a window's overall thermal performance is the result of all its contributing factors, and that frequently an adjustment to one area can have undesirable effects in another. For example, it's easy to reduce the unit's U-Factor by applying additional layers of Low-e glass. However, this would also have the undesirable effect of reducing both VT and SHGC, so it's important to maintain a balance in all areas.

One particular measurement of importance to people in the cold Northern climate zones is the unit's Condensation Resistance Factor (CRF), since the accumulation of excessive condensation can be particularly detrimental not only to the building's structure, but to the indoor air quality as well. Since this number (which ranges from 1 - 100) is not required to be reported, most architects, building professionals and homeowners are unaware of its existence, much less its importance.

Unfortunately, in order to meet Energy Star® 6.0, some manufacturers have chosen to resort to so-called "Surface 4" or "roomside" Low-e glazing. Under this technique, an additional layer of low-E coating is placed on Surface 4 (S4) of the glass of a traditional improved IG (generally, low-E and argon fill).

According to industry experts, the science behind S4 results in a higher risk of condensation in cold weather because the Low-e coating reduces radiant heat transfer from the room to the glass surface. While this does improve the window U-factor by about 0.03, ultimately the room-side glass is cooler, which increases the chance of an excess of water vapor condensing on the glass surface, which can result in sheetrock damage, peeling paint or mold growth.

This is the unintended, yet potentially dangerous consequence of S4 glazing: a dramatic reduction in the CRF, with a resulting increase in condensation on interior glass surfaces, and the subsequent damage that results.

PROTECT YOUR HOME, PROTECT YOUR FAMILY - How can you be sure the window you are specifying or installing has the recommended CRF for your climate zone? What is the recommended CRF for your climate zone?


According to both the American Architectural Manufacturers Association (AAMA) and NFRC, for the cold Northern climate zone, windows should have a CRF of at least 50. This will provide a sufficiently warm roomside glass surface to resist moisture. Even with a CRF above 50, windows in highly humid areas of the home (kitchens and bathrooms) may show some occasional condensation, as may other windows in the home during the seasonal transition from Summer to Autumn. This type of condensation should not be a cause for alarm. What should be a cause for alarm would be continuous, daily, uncontrollable condensation.

But how can you find the CRF it's not on the NFRC label? First: ask the manufacturer, as they are able to provide this information to you. Or you can find out for yourself by visiting www.NFRC.org, hover over "Consumers" in the top menu bar, then click on "Search for a Fenestration Product". This will pull up a search tool, with which you can search by manufacturer, window type, as well as by minimum U-Factors, SHGC and VT. Included in all reports is the unit's CRF.

Better yet: ask them if they use S4 glazing in order to meet Energy Star® 6.0. If they are, then chances are the CRF for that unit may not be the best choice to protect your home, and protect your family.

We've all seen it: interior window condensation forming on cold days. Under Energy Star® 6.0 performance standards, many window manufacturers are making choices that will actually increase interior condensation to levels that may prove to be costly to homeowners.

For this reason, Mathews Brothers advocates the display of the CRF on the NFRC Window Label.

 National Fenestration Rating Council® CERTIFIED	Mathews Brothers Company CLASSICS DOUBLE HUNG MBC-M-21-08776-00001 HOLLOW VINYL FRAME
ENERGY PERFORMANCE RATINGS	
U-Factor (U.S./I-P) 0.27	Solar Heat Gain Coefficient 0.31
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance 0.56	Air Leakage (U.S./I-P) ≤0.30
Condensation Resistance 62	—
<p>Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information.</p> <p>www.nfrc.org</p>	



COMMITTED TO PERFORMANCE

American Architectural Manufacturing Association

Since 1936, the American Architectural Manufacturers Association (AAMA) has stood as a strong advocate for manufacturers and professionals in the fenestration industry. Today AAMA, stands as a representative of both the residential and commercial sectors.



National Fenestration Rating Council

The National Fenestration Rating Council (NFRC) is a nonprofit, public/private organization created by the window, door, and skylight industry. It is composed of manufacturers, suppliers, builders, architects and designers, specifiers, code officials, utilities, and government agencies. The NFRC has developed a window energy rating system based on whole product performance.

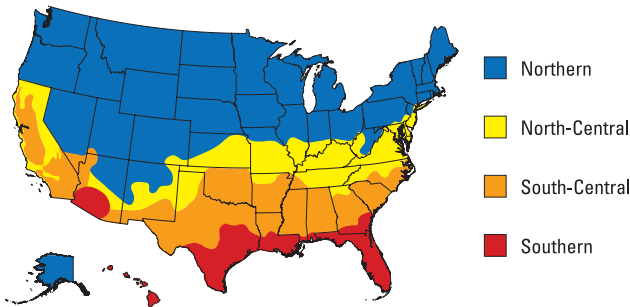
The NFRC label provides the **only** reliable way to determine the window energy properties and to compare products. The NFRC label appears on all products certified to the NFRC standards and on all window, door, and skylight products which are part of the ENERGY STAR® program. At this time, NFRC labels on window units give ratings for U-Factor, Solar Heat Gain Coefficient (SHGC), and Visible Light Transmittance (VT).



ENERGY STAR®

Mathews Brothers is proud to offer our customers products that have earned the government's ENERGY STAR® label.

ENERGY STAR is a government-backed program that helps consumers identify the most energy-efficient products. Learn more at www.energystar.gov.



Residential Windows, Doors, and Skylights: Version 6.0 (April 7, 2009)

ENERGY STAR® Qualification Criteria for Residential Windows

Climate Zone	U-Factor ¹	SHGC ²	
Northern	≤0.27	Any	Prescriptive
	≤0.28	≥0.32	Equivalent Energy Performance
	≤0.29	≥0.37	
	≤0.30	≥0.42	
North-Central	≤0.30	≤0.40	
South-Central	≤0.30	≤0.25	
Southern	≤0.40	≤0.25	

¹ Btu/h·ft²·°F

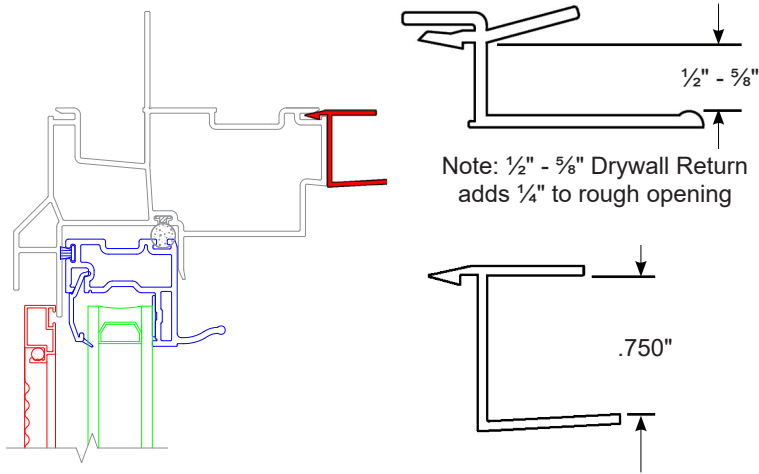
ENERGY STAR® Qualification Criteria for Residential Doors

Glazing Level	U-Factor ¹	SHGC ²
Opaque	≤0.17	No Rating
≤ ½-Lite	≤0.25	≤0.17
> ½-Lite	≤0.30	Northern ≤0.40
		Southern ≤0.25

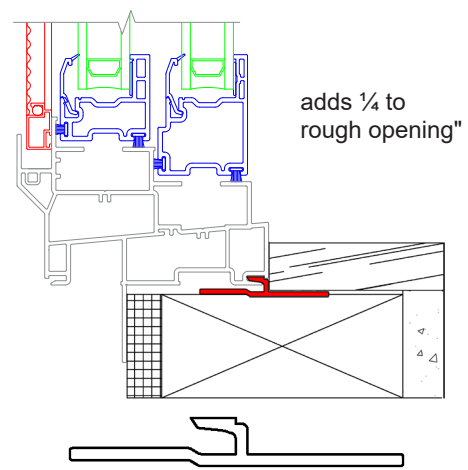
¹ Btu/h·ft²·°F

ARCHITECTURAL WALL DETAILS & CASING

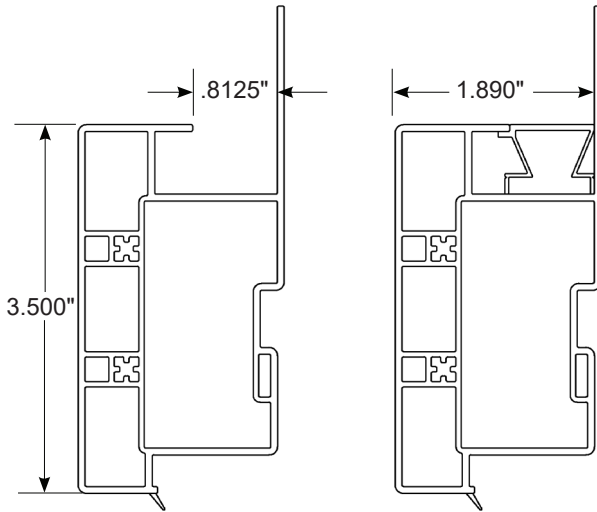
Dry Wall Receptor*



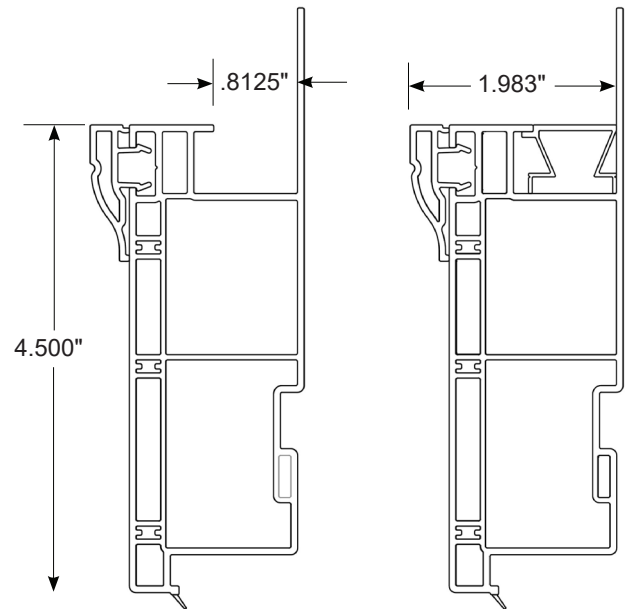
Jamb Extension Guide*



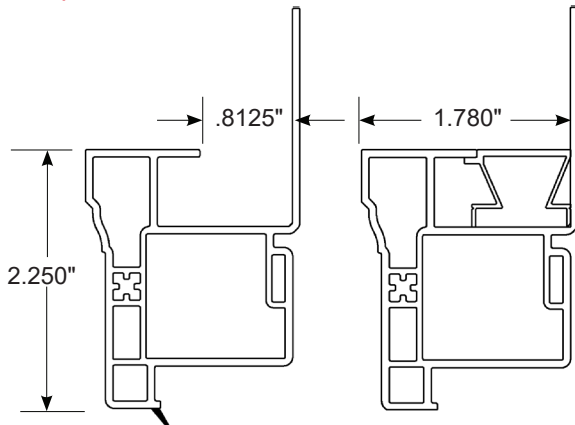
5/4 x 3-1/2" Flat Casing with/without J-Channel



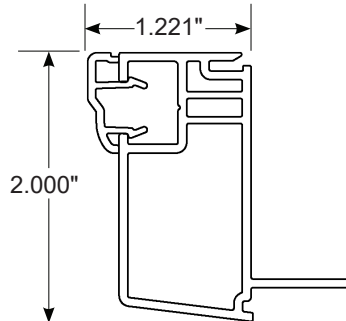
4 1/2" Banded Casing with/without J-Channel



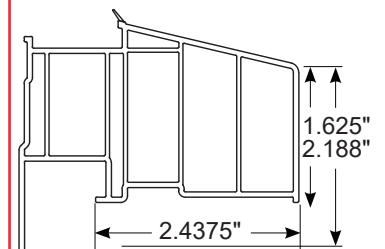
Brickmould Casing with/without J-Channel



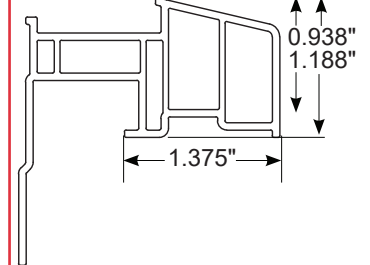
Northern Casing (no J-Channel)



Historic Sill Nose



Sill Nose



*Does not apply to sliding patio doors

SINGLE-HUNG WINDOW STANDARD SIZES & ARCHITECTURAL DETAILS

Single-Hung Window Standard Sizes / Custom sizes available

Replacement Windows

Each window is custom built to your specifications.

Rough Opening	20"	22"	24"	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"	48"
Unit Size	19 1/2"	21 1/2"	23 1/2"	25 1/2"	27 1/2"	29 1/2"	31 1/2"	33 1/2"	35 1/2"	37 1/2"	39 1/2"	41 1/2"	43 1/2"	45 1/2"	47 1/2"
Exp. Glass Fixed Light	14 1/2"	16 1/2"	18 1/2"	20 1/2"	22 1/2"	24 1/2"	26 1/2"	28 1/2"	30 1/2"	32 1/2"	34 1/2"	36 1/2"	38 1/2"	40 1/2"	42 1/2"
Exposed Glass Sash	13 7/8"	15 7/8"	17 7/8"	19 7/8"	21 7/8"	23 7/8"	25 7/8"	27 7/8"	29 7/8"	31 7/8"	33 7/8"	35 7/8"	37 7/8"	39 7/8"	41 7/8"

2036	2236	2436	2636	2836	3036	3236	3436	3636	3836	4036	4236	4436	4636	4836	36"
2042	2242	2442	2642	2842	3042	3242	3442	3642	3842	4042	4242	4442	4642	4842	42"
2048	2248	2448	2648	2848	3048	3248	3448	3648	3848	4048	4248	4448	4648	4848	48"
2054	2254	2454	2654	2854	3054	3254	3454	3654	3854	4054	4254	4454	4654	4854	54"
2057	2257	2457	2657	2857	3057	3257	3457	3657	3857	4057	4257	4457	4657	4857	57"
2060	2260	2460	2660	2860	3060	3260	3460	3660	3860	4060	4260	4460	4660	4860	60"
2066	2266	2466	2666	2866	3066	3266	3466	3666	3866	4066	4266	4466	4666	4866	66"
2072	2272	2472	2672	2872	3072	3272	3472	3672	3872	4072	4272	4472	4672	4872	72"
2078	2278	2478	2678	2878	3078	3278	3478	3678	3878	4078	4278	E3660	E3760		78"

Notes:

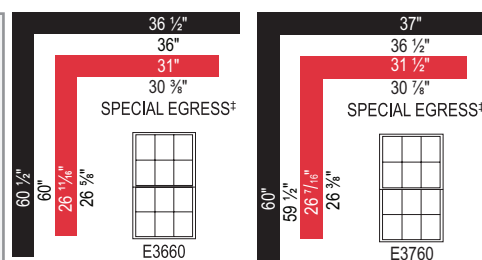
New construction series standard sizes shown. Custom sizes are available.

Call out sizes are calculated in inches.

Check with fabricator for rough opening sizes when mulling.

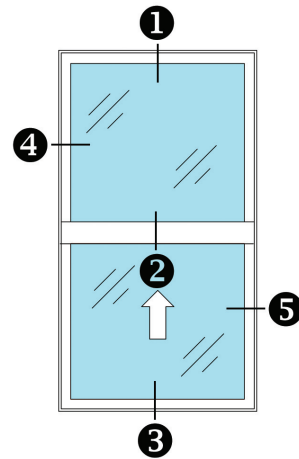
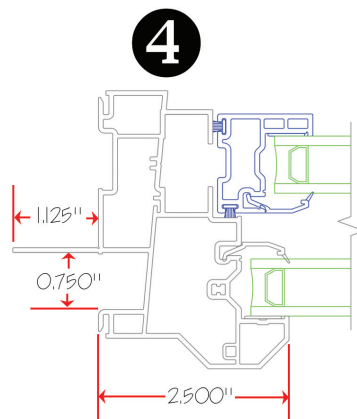
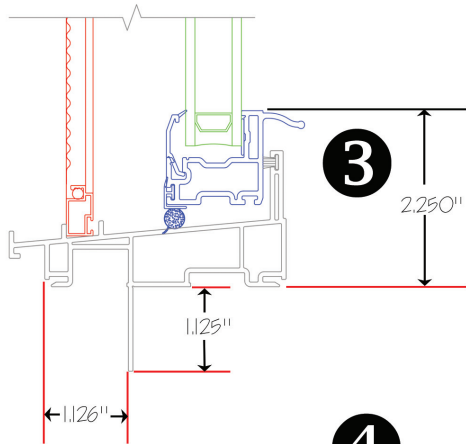
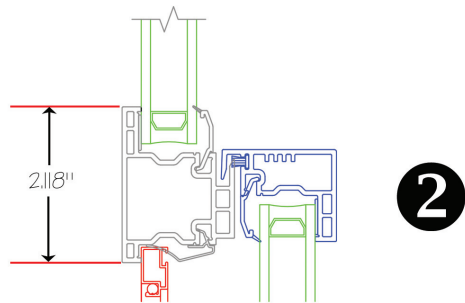
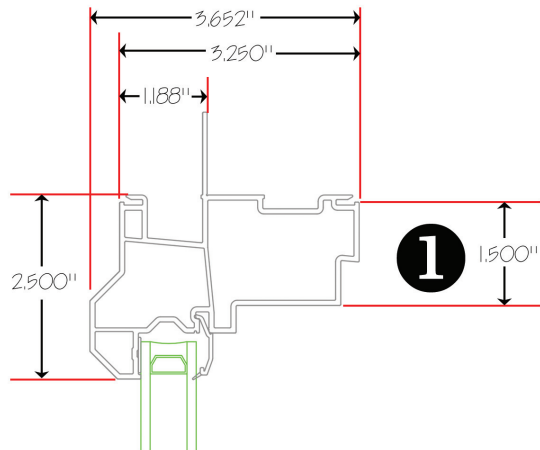
Grilles are optional and shown in colonial pattern as viewed from outside.

Banded and Northern casings, add 1/4" to width and height of rough opening.



Never meets egress
Always meets egress
Meets egress with specific modifications
Meets egress. BAW defaults to required modifications

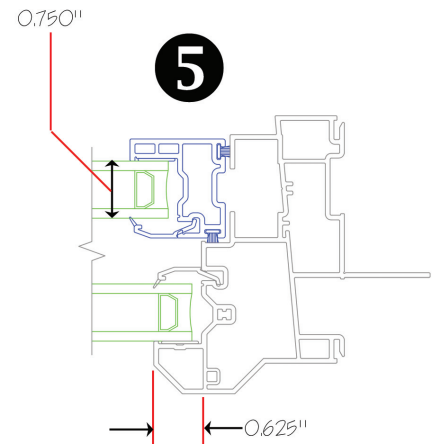
Single-Hung Windows for New Construction
Low profile sill shown



[Installation Instructions
 Standard House Wrap](#)



[Installation Instructions
 Integrated Moisture Barrier](#)



DOUBLE-HUNG WINDOW STANDARD SIZES & ARCHITECTURAL DETAILS

Double-Hung Window Standard Sizes / Custom sizes available

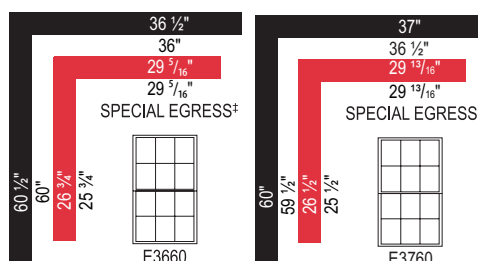
Replacement Windows

Each window is custom built to your specifications.

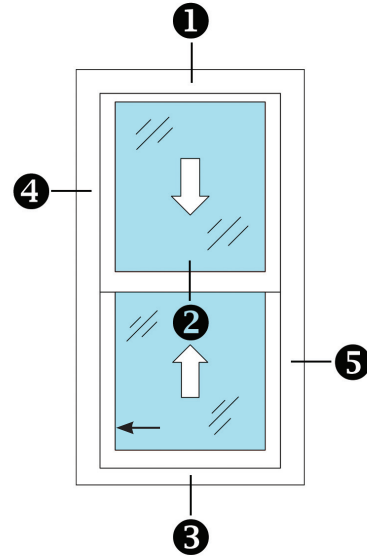
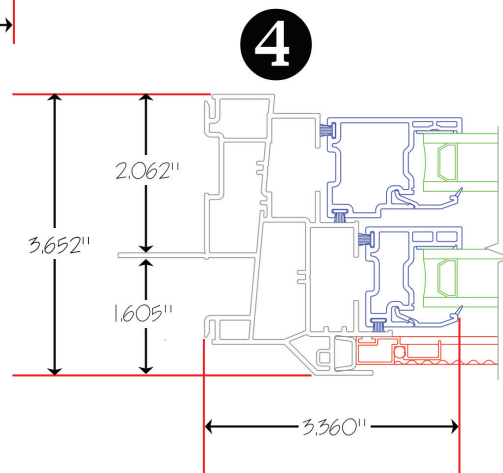
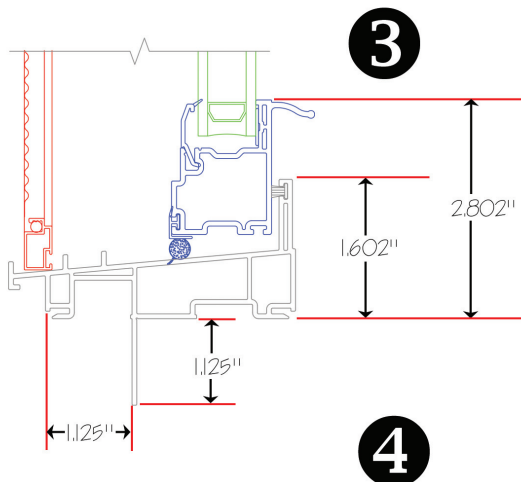
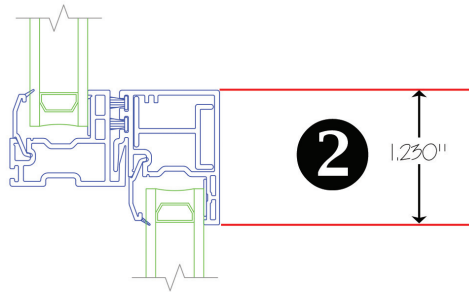
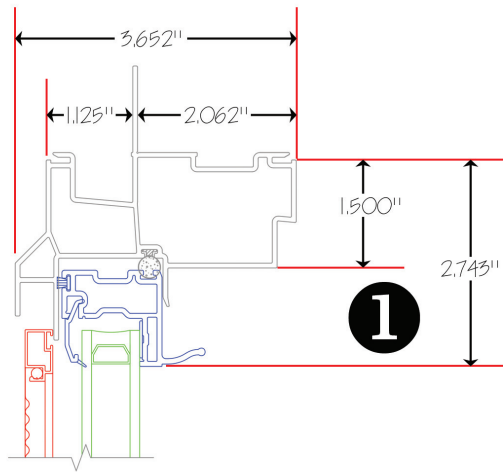
Rough Opening	20"	22"	24"	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"	48"
Unit Size	19 1/2"	21 1/2"	23 1/2"	25 1/2"	27 1/2"	29 1/2"	31 1/2"	33 1/2"	35 1/2"	37 1/2"	39 1/2"	41 1/2"	43 1/2"	45 1/2"	47 1/2"
Top Sash Exposed Glass	12 1/16"	14 1/16"	16 1/16"	18 1/16"	20 1/16"	22 1/16"	24 1/16"	26 1/16"	28 1/16"	30 1/16"	32 1/16"	34 1/16"	36 1/16"	38 1/16"	40 1/16"
Bottom Sash Exposed Glass	12 1/16"	14 1/16"	16 1/16"	18 1/16"	20 1/16"	22 1/16"	24 1/16"	26 1/16"	28 1/16"	30 1/16"	32 1/16"	34 1/16"	36 1/16"	38 1/16"	40 1/16"

2036	2236	2436	2636	2836	3036	3236	3436	3636	3836	4036	4236	4436	4636	4836	36"
2042	2242	2442	2642	2842	3042	3242	3442	3642	3842	4042	4242	4442	4642	4842	42"
2048	2248	2448	2648	2848	3048	3248	3448	3648	3848	4048	4248	4448	4648	4848	48"
2054	2254	2454	2654	2854	3054	3254	3454	3654	3854	4054	4254	4454	4654	4854	54"
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2060	2260	2460	2660	2860	3060	3260	3460	3660	3860	4060	4260	4460	4660	4860	60"
2066	2266	2466	2666	2866	3066	3266	3466	3666	3866	4066	4266	4466	4666	4866	66"
2072	2272	2472	2672	2872	3072	3272	3472	3672	3872	4072	4272	4472	4672	4872	72"
2078	2278	2478	2678	2878	3078	3278	3478	3678	3878	4078	4278	E3660	E3760		78"

Notes:
 New construction series standard sizes shown. Custom sizes are available.
 Call out sizes are calculated in inches.
 Check with fabricator for rough opening sizes when mulling.
 Grilles are optional and shown in colonial pattern as viewed from outside.
 Banded and Northern casings, add 1/4" to width and height of rough opening.



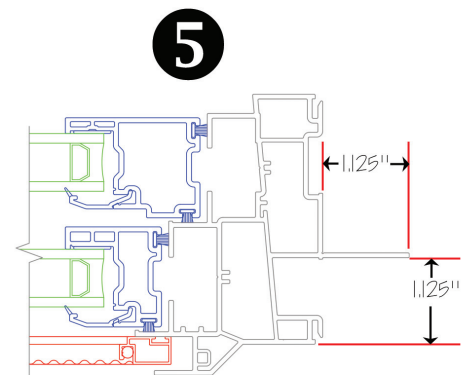
	Never meets egress
	Always meets egress
	Meets egress with specific modifications
	Meets egress. BAW defaults to required modifications



[Installation Instructions](#)
[Standard House Wrap](#)



[Installation Instructions](#)
[Integrated Moisture Barrier](#)



CASEMENT WINDOWS STANDARD SIZES & ARCHITECTURAL DETAIL

Casement Window Standard Sizes

Custom sizes available

Rough Opening	18"	20"	24"	28"	30"	36"
Unit Size	17 1/2"	19 1/2"	23 1/2"	27 1/2"	29 1/2"	35 1/2"
Exposed Glass	12 1/2"	14 1/2"	18 1/2"	22 1/2"	24 1/2"	30 1/2"
CA1824	CA2024	CA2424	CA2824	CA3024	CA3624	
CA1836	CA2036	CA2436	CA2836	CA3036	CA3636	
CA1842	CA2042	CA2442	CA2842	CA3042	CA3642	
CA1848	CA2048	CA2448	CA2848	CA3048	CA3648	
CA1854	CA2054	CA2454	CA2854	CA3054	CA3654	
CA1860	CA2060	CA2460	CA2860	CA3060	CA3660	
CA1866	CA2066	CA2466	CA2866	CA3066	CA3666	
CA1872	CA2072	CA2472	CA2872	CA3072	CA3672	

Twin Casement Window Standard Sizes





Custom sizes available

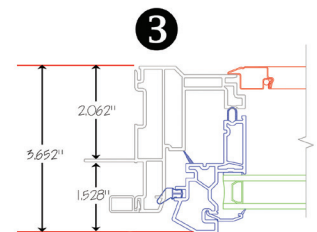
Rough Opening	35 1/4"	39 1/4"	47 1/4"	55 1/4"
Total Unit Size	35 1/4"	39 1/4"	47 1/4"	55 1/4"
Individual Unit Size	17 1/2"	19 1/2"	23 1/2"	27 1/2"
Exposed Glass	12 1/2"	14 1/2"	18 1/2"	22 1/2"
CA1824-2	CA2024-2	CA2424-2	CA2824-2	
CA1836-2	CA2036-2	CA2436-2	CA2836-2	
CA1842-2	CA2042-2	CA2442-2	CA2842-2	
CA1848-2	CA2048-2	CA2448-2	CA2848-2	
CA1854-2	CA2054-2	CA2454-2	CA2854-2	
CA1860-2	CA2060-2	CA2460-2	CA2860-2	
CA1866-2	CA2066-2	CA2466-2	CA2866-2	

Casement | Picture | Casement Window Standard Sizes

Custom sizes available

Rough Opening	53 1/4"	59 1/4"	71 1/4"	83 1/4"	89 1/4"	107 1/4"
Total Unit Size	52 1/4"	58 1/4"	70 1/4"	82 1/4"	88 1/4"	106 1/4"
Individual Unit Size	17 1/2"	19 1/2"	23 1/2"	27 1/2"	29 1/2"	35 1/2"
Exposed Glass	12 1/2"	14 1/2"	18 1/2"	22 1/2"	24 1/2"	30 1/2"
CA1836-3	CA2036-3	CA2436-3	CA2836-3	CA3036-3	CA3636-3	
CA1842-3	CA2042-3	CA2442-3	CA2842-3	CA3042-3	CA3642-3	
CA1848-3	CA2048-3	CA2448-3	CA2848-3	CA3048-3	CA3648-3	
CA1860-3	CA2060-3	CA2460-3	CA2860-3	CA3060-3	CA3660-3	
CA1866-3	CA2066-3	CA2466-3	CA2866-3	CA3066-3	CA3666-3	

	Never meets egress
	Always meets egress
	Meets egress with specific modifications
	Meets egress. BAW defaults to required modifications



Notes: New construction series standard sizes shown. Custom sizes are available.

Call out sizes are calculated in inches.

[†]Meets egress of (CA/Fixed/CA):
clear openable area ≥ 5.7 sq. ft.;
clear openable width ≥ 20 inches;
clear openable height ≥ 24 inches

^{††}Requires egress hardware.

Grilles are optional and shown in colonial pattern as viewed from outside.

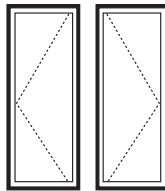
Banded and Northern casings, add 1/4" to width and height of rough opening.

AWNING WINDOWS STANDARD SIZES & ARCHITECTURAL DETAIL

Awning Window Standard Sizes *Custom sizes available*

59 1/16"	71 1/16"
59 1/16"	71 1/16"
29 1/2"	35 1/2"
24 1/2"	30 1/2"
CA3024-2	CA3624-2
CA3036-2	CA3636-2
CA3042-2	CA3642-2
CA3048-2	CA3648-2
CA3054-2	CA3654-2
CA3060-2	CA3660-2
CA3066-2	CA3666-2

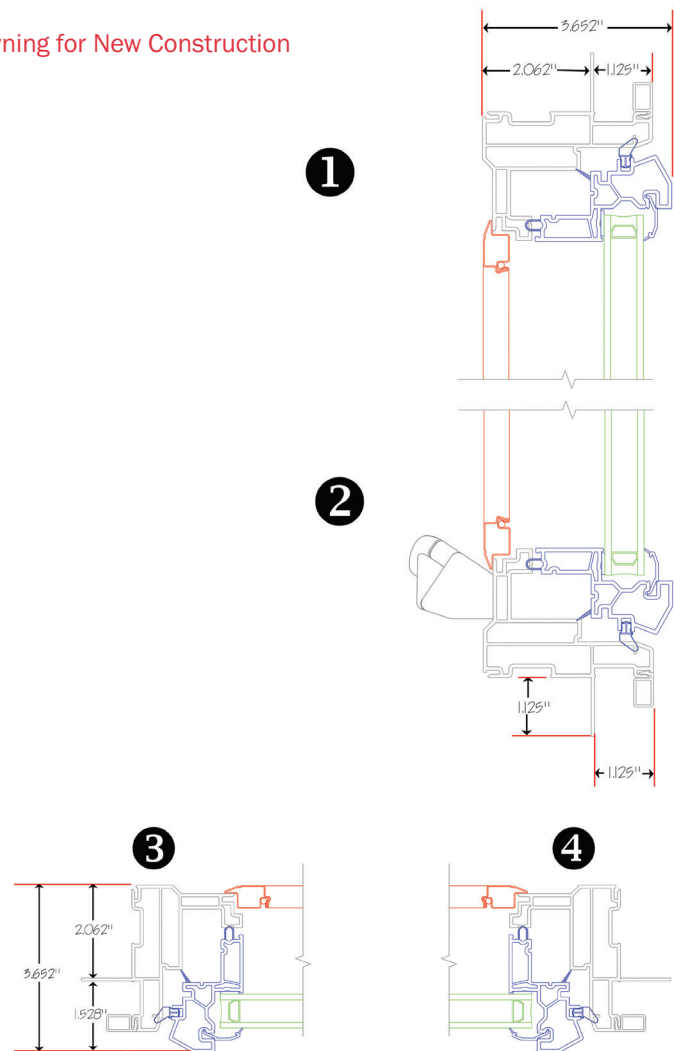
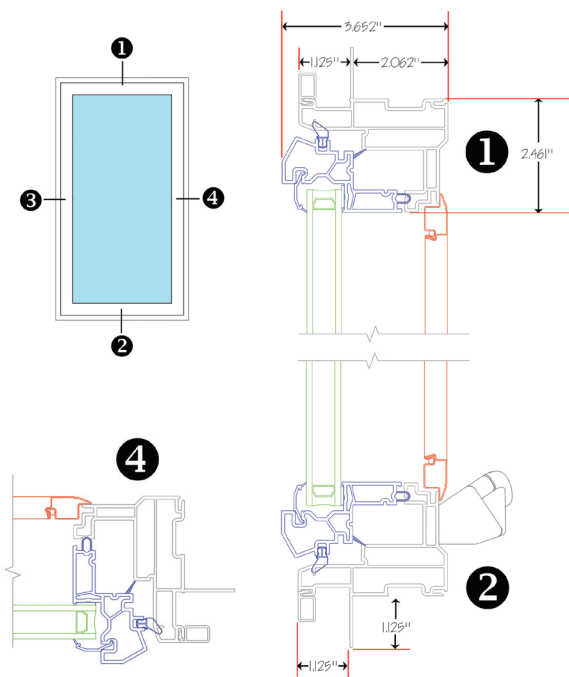
Vent Layout



Specify left-hinge or right-hinge casement as viewed from outside.

Rough Opening	24"	36"	42"	48"	54"	60"
Unit Size	23 1/2"	35 1/2"	41 1/2"	47 1/2"	53 1/2"	59 1/2"
Exposed Glass	18 1/2"	30 1/2"	36 1/2"	42 1/2"	48 1/2"	54 1/2"
AW2418	AW3618	AW4218	AW4818	AW5418	AW6018	
AW2420	AW3620	AW4220	AW4820	AW5420	AW6020	
AW2424	AW3624	AW4224	AW4824	AW5424	AW6024	
AW2428	AW3628	AW4228	AW4828	AW5428	AW6028	
AW2436	AW3636	AW4236	AW4836	AW5436	AW6036	

Awning for New Construction



Replacement Windows

Each window is custom built to your specifications.

HORIZONTAL SLIDER STANDARD SIZES & ARCHITECTURAL DETAILS

Horizontal Slider Standard Sizes (Single Shown and Double Available)

Custom sizes available

Rough Opening	24"	36"	48"	60"	72"	84"
Unit Size	23 1/2"	35 1/2"	47 1/2"	59 1/2"	71 1/2"	83 1/2"
Exp. Glass Fixed	8 7/16"	14 7/16"	20 7/16"	26 7/16"	32 7/16"	38 7/16"
Exposed Glass Sash	8 7/16"	14 7/16"	20 7/16"	26 7/16"	32 7/16"	38 7/16"

						18 1/16"	23 1/2"	24"
HS2424	HS3624	HS4824	HS6024	HS7224	HS8424	18 1/16"	30 1/2"	36"
						30 1/16"	36 1/2"	42"
HS2436	HS3636	HS4836	HS6036	HS7236†	HS8436†	30 1/16"	42 1/2"	48"
						36 1/16"	48 1/2"	54"
HS2442	HS3642	HS4842	HS6042†	HS7242†	HS8442†	36 1/16"	54 1/2"	60"
						42 1/16"	59 1/2"	
HS2448	HS3648	HS4848†	HS6048†	HS7248†	HS8448†	42 1/16"		
						54 1/16"		
HS2460	HS3660	HS4860†	HS6060†	HS7260†	HS8460†	54 1/16"		

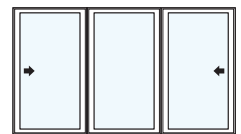
Sliders with rough opening of 84" are available as single only.

3-Lite End-Vent Horizontal Slider Standard Sizes (Other Configurations Available)

Custom sizes available

Rough Opening	72"	84"	96"	108"	120"
Unit Size	71 1/2"	83 1/2"	95 1/2"	107 1/2"	119 1/2"
Exp. Glass Fixed	32 1/4"	39 1/4"	45 1/4"	51 1/4"	57 1/4"
Exposed Glass Sash	15 1/16"	17 1/16"	20 1/16"	23 1/16"	26 1/16"

					30 1/16"	36"
HP7236	HP8436	HP9636	HP10836	HP12036†	30 1/16"	36"
					42 1/16"	48"
HP7248	HP8448	HP9648†	HP10848†	HP12048†	42 1/16"	48"
					54 1/16"	60"
HP7260	HP8460	HP9660†	HP10860†	HP12060†	54 1/16"	60"



3-Lite equal slider

Notes:

New construction series standard sizes shown. Custom sizes are available.

Call out sizes are calculated in inches.

¹Sizes shown applicable for single operating slider.

²Shown with fixed center window which constitutes 50% of the unit with operable sashes at 25% each.

³Check with fabricator for rough opening when mulling

†Meets single egress of:

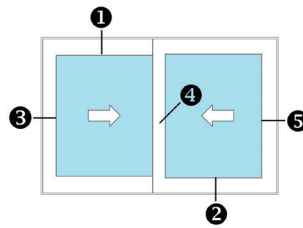
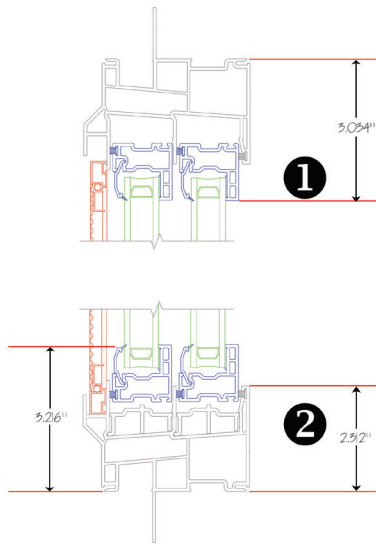
clear openable area 5.7 sq. ft.; clear openable width 20 inches;
clear openable height 24 inches.

See manufacturer for double slider egress measurements.

Grilles are optional and shown in colonial pattern as viewed from outside.

Double Slider Window for New Construction

Replacement Windows
Each window is custom built to your specifications.



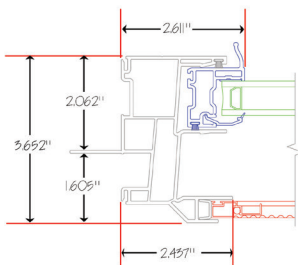
[Installation Instructions](#)
[Standard House Wrap](#)



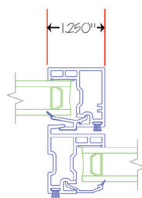
[Installation Instructions](#)
[Integrated Moisture Barrier](#)



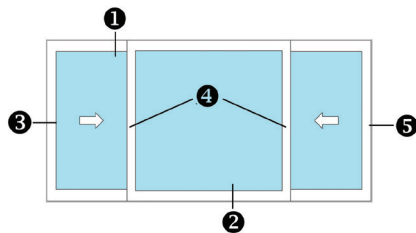
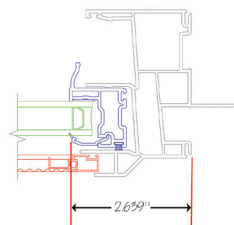
3



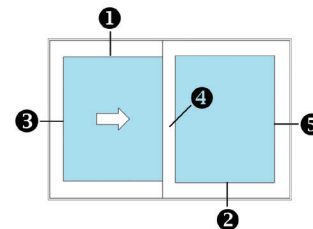
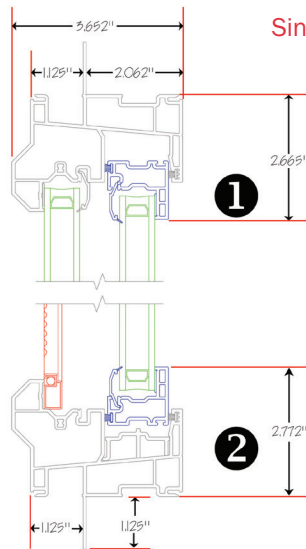
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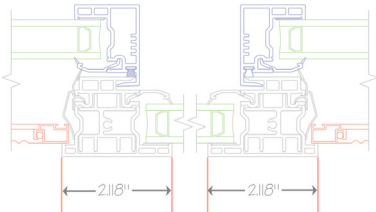
5



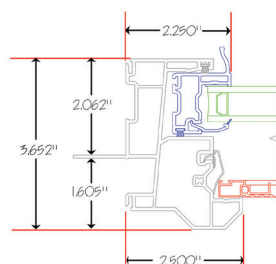
Single Slider Window for New Construction



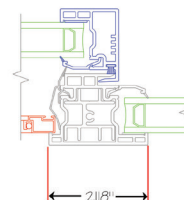
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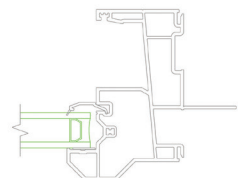
3



4



5



	Never meets egress
	Always meets egress
	Meets egress with specific modifications
	Meets egress. BAW defaults to required modifications

FIXED UNIT STANDARD SIZES & ARCHITECTURAL DETAILS

Picture (Fixed) Windows Standard Sizes *Custom sizes available*

*

Rough Opening	40"	42"	44"	48"	60"	72"
Unit Size	39 1/2"	41 1/2"	43 1/2"	47 1/2"	59 1/2"	71 1/2"
Exposed Glass	34 1/2"	36 1/2"	38 1/2"	42 1/2"	54 1/2"	65 1/2"

PW4036	PW4236	PW4436	PW4836	PW6036	PW7236
PW4042	PW4242	PW4442	PW4842	PW6042	PW7242
PW4048	PW4248	PW4448	PW4848	PW6048	PW7248
PW4054	PW4254	PW4454	PW4854	PW6054	PW7254
PW4060	PW4260	PW4460	PW4860	PW6060	PW7260
PW4066	PW4266	PW4466	PW4866	PW6066	
PW4072	PW4272	PW4472	PW4872	PW6072	

- Grille patterns for 60-inch and 66-inch picture windows will vary:
- Casement picture windows are 5 lites high.
 - Single-hung and double-hung picture windows are 4 lites high.
 - Grille patterns in picture units will match single-hung or double-hung when ordered in that combination.

Transom Window Standard Sizes *Custom sizes available*

*

Rough Opening	28"	32"	36"	40"	44"	48"	56"	64"	72"	96"	108"	110"
Unit Size	27 1/2"	31 1/2"	35 1/2"	39 1/2"	43 1/2"	47 1/2"	55 1/2"	63 1/2"	71 1/2"	95 1/2"	107 1/2"	109 1/2"
Exposed Glass	22 1/2"	26 1/4"	30 1/2"	34 1/2"	38 1/2"	42 1/2"	50 1/2"	58 1/2"	66 1/2"	90 1/4"	102 1/4"	104 1/4"

TR2814	TR3214	TR3614	TR4014	TR4414	TR4814	TR5614	TR6414	TR7214	TR9614	TR10814	TR11014
TR2818	TR3218	TR3618	TR4018	TR4418	TR4818	TR5618	TR6418	TR7218			
TR2824	TR3224	TR3624	TR4024	TR4424	TR4824	TR5624	TR6424	TR7224			

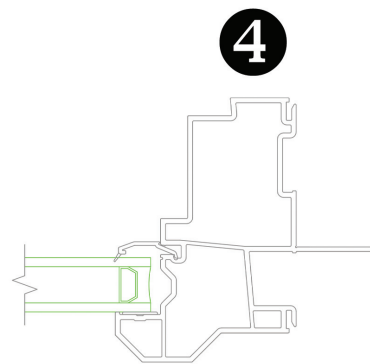
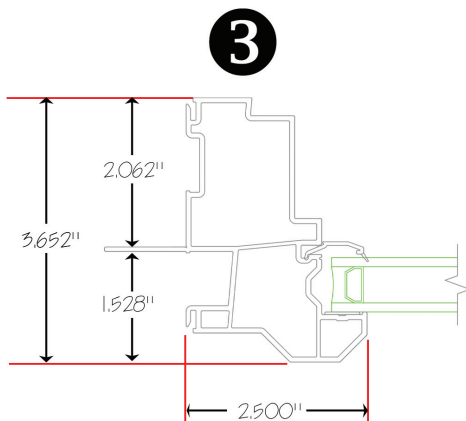
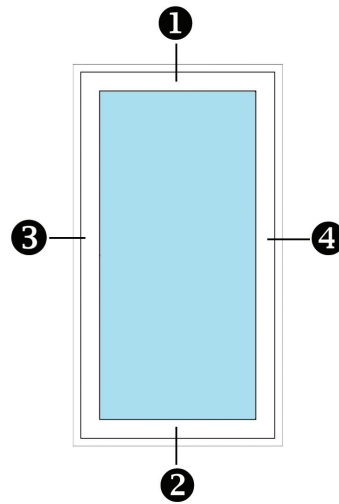
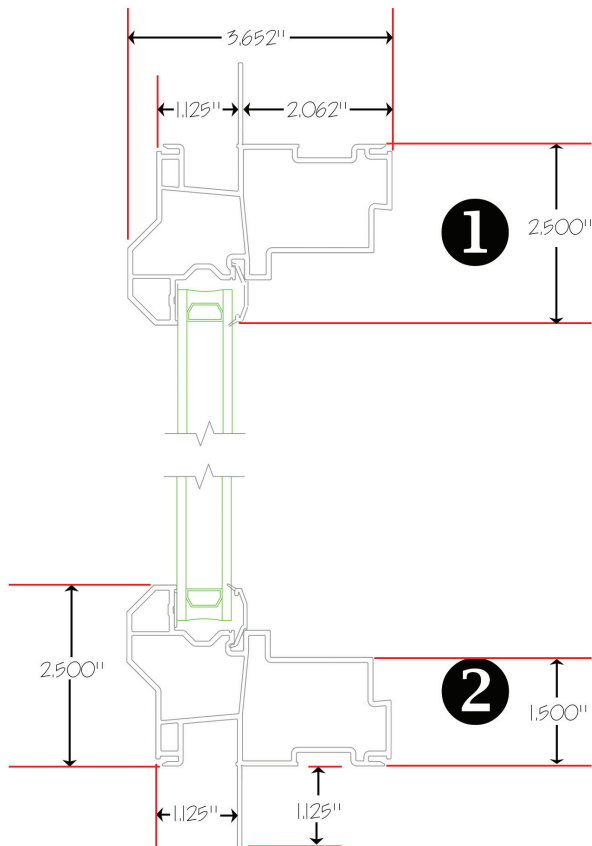
Notes:
Both Picture Windows and Transom call out sizes are calculated in inches.

Grilles are optional and shown in colonial pattern as viewed from outside.

*Check with fabricator for rough opening when mulling.

Replacement Windows
Each window is custom built to your specifications.

Picture Window/Transom for New Construction
















































































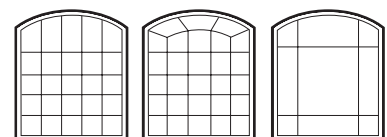
SHAPE UNITS STANDARD SIZES & ARCHITECTURAL DETAILS

Extended Arch (Fixed) & Eyebrow Standard Sizes

Custom sizes available

Chord Height (approx)	4 3/4"	5 1/8"	5 1/4"	6 5/8"	7 7/16"	8 1/2"	9"	11 1/4"	13 1/2"
Radius	18"	21"	24"	27"	30"	32"	36"	45"	54"
Rough Opening	24"	28"	32"	36"	40"	44"	48"	60"	72"
Unit Width	23 1/2"	27 1/2"	31 1/2"	35 1/2"	39 1/2"	43 1/2"	47 1/2"	59 1/2"	71 1/2"

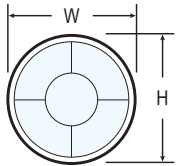
Shoulder Height: 7 1/2" Shoulder RO: 8"	 EA 24 8 Unit Height: 11 1/4" Unit RO: 12 3/4"	 EA 28 8 Unit Height: 12 3/4" Unit RO: 13 3/4"	 EA 32 8 Unit Height: 13 3/4" Unit RO: 13 3/4"	 EA 36 8 Unit Height: 14 1/4" Unit RO: 14 3/4"	 EA 40 8 Unit Height: 14 15/16" Unit RO: 15 7/16"	 EA 44 8 Unit Height: 16 -" Unit RO: 16 1/2"	 EA 48 8 Unit Height: 16 1/2" Unit RO: 17 -"	 EA 60 8 Unit Height: 18 3/4" Unit RO: 19 1/4"	 EA 72 8 Unit Height: 21 -" Unit RO: 21 1/2"
Shoulder Height: 17 1/2" Shoulder RO: 18"	 EA 24 18 Unit Height: 21 1/4" Unit RO: 22 3/4"	 EA 28 18 Unit Height: 22 3/4" Unit RO: 23 3/4"	 EA 32 18 Unit Height: 23 3/4" Unit RO: 23 3/4"	 EA 36 18 Unit Height: 24 1/4" Unit RO: 24 3/4"	 EA 40 18 Unit Height: 24 15/16" Unit RO: 25 7/16"	 EA 44 18 Unit Height: 26 -" Unit RO: 26 1/2"	 EA 48 18 Unit Height: 26 1/2" Unit RO: 27 -"	 EA 60 18 Unit Height: 28 3/4" Unit RO: 29 1/4"	 EA 72 18 Unit Height: 31 -" Unit RO: 31 1/2"
Shoulder Height: 23 1/2" Shoulder RO: 24"	 EA 24 24 Unit Height: 27 1/4" Unit RO: 28 3/4"	 EA 28 24 Unit Height: 28 3/4" Unit RO: 29 3/4"	 EA 32 24 Unit Height: 29 3/4" Unit RO: 29 3/4"	 EA 36 24 Unit Height: 30 3/4" Unit RO: 30 3/4"	 EA 40 24 Unit Height: 30 15/16" Unit RO: 31 7/16"	 EA 44 24 Unit Height: 32 -" Unit RO: 32 1/2"	 EA 48 24 Unit Height: 32 1/2" Unit RO: 33 -"	 EA 60 24 Unit Height: 34 3/4" Unit RO: 35 1/4"	 EA 72 24 Unit Height: 37 -" Unit RO: 37 1/2"
Shoulder Height: 35 1/2" Shoulder RO: 36"	 EA 24 36 Unit Height: 39 3/4" Unit RO: 40 3/4"	 EA 28 36 Unit Height: 40 3/4" Unit RO: 41 3/4"	 EA 32 36 Unit Height: 41 3/4" Unit RO: 41 3/4"	 EA 36 36 Unit Height: 42 1/4" Unit RO: 42 3/4"	 EA 40 36 Unit Height: 42 15/16" Unit RO: 43 7/16"	 EA 44 36 Unit Height: 44 -" Unit RO: 44 1/2"	 EA 48 36 Unit Height: 44 1/2" Unit RO: 45 -"	 EA 60 36 Unit Height: 46 3/4" Unit RO: 47 1/4"	 EA 72 36 Unit Height: 49 -" Unit RO: 49 1/2"
Shoulder Height: 41 1/2" Shoulder RO: 42"	 EA 24 42 Unit Height: 45 3/4" Unit RO: 46 3/4"	 EA 28 42 Unit Height: 46 3/4" Unit RO: 47 3/4"	 EA 32 42 Unit Height: 47 3/4" Unit RO: 47 3/4"	 EA 36 42 Unit Height: 48 3/4" Unit RO: 48 3/4"	 EA 40 42 Unit Height: 48 15/16" Unit RO: 49 7/16"	 EA 44 42 Unit Height: 50 -" Unit RO: 50 1/2"	 EA 48 42 Unit Height: 50 1/2" Unit RO: 51 -"	 EA 60 42 Unit Height: 52 3/4" Unit RO: 53 1/4"	 EA 72 42 Unit Height: 55 -" Unit RO: 55 1/2"
Shoulder Height: 47 1/2" Shoulder RO: 48"	 EA 24 48 Unit Height: 51 1/4" Unit RO: 52 3/4"	 EA 28 48 Unit Height: 52 3/4" Unit RO: 53 3/4"	 EA 32 48 Unit Height: 53 3/4" Unit RO: 53 3/4"	 EA 36 48 Unit Height: 54 1/4" Unit RO: 54 3/4"	 EA 40 48 Unit Height: 54 15/16" Unit RO: 55 7/16"	 EA 44 48 Unit Height: 56 -" Unit RO: 56 1/2"	 EA 48 48 Unit Height: 56 1/2" Unit RO: 57 -"	 EA 60 48 Unit Height: 58 3/4" Unit RO: 59 1/4"	 EA 72 48 Unit Height: 61 -" Unit RO: 61 1/2"
Shoulder Height: 53 1/2" Shoulder RO: 54"	 EA 24 54 Unit Height: 57 3/4" Unit RO: 58 3/4"	 EA 28 54 Unit Height: 58 3/4" Unit RO: 59 3/4"	 EA 32 54 Unit Height: 59 3/4" Unit RO: 59 3/4"	 EA 36 54 Unit Height: 60 3/4" Unit RO: 60 3/4"	 EA 40 54 Unit Height: 60 15/16" Unit RO: 61 7/16"	 EA 44 54 Unit Height: 62 -" Unit RO: 62 1/2"	 EA 48 54 Unit Height: 62 1/2" Unit RO: 63 -"	 EA 60 54 Unit Height: 64 3/4" Unit RO: 65 1/4"	
Shoulder Height: 59 1/2" Shoulder RO: 60"	 EA 24 60 Unit Height: 63 3/4" Unit RO: 64 3/4"	 EA 28 60 Unit Height: 64 3/4" Unit RO: 65 3/4"	 EA 32 60 Unit Height: 65 3/4" Unit RO: 65 3/4"	 EA 36 60 Unit Height: 66 3/4" Unit RO: 66 3/4"	 EA 40 60 Unit Height: 66 15/16" Unit RO: 67 7/16"	 EA 44 60 Unit Height: 68 -" Unit RO: 68 1/2"	 EA 48 60 Unit Height: 68 1/2" Unit RO: 69 -"	 EA 60 60 Unit Height: 70 3/4" Unit RO: 71 1/4"	
Shoulder Height: 65 1/2" Shoulder RO: 66"	 EA 24 66 Unit Height: 69 3/4" Unit RO: 70 3/4"	 EA 28 66 Unit Height: 70 3/4" Unit RO: 71 3/4"	 EA 32 66 Unit Height: 71 3/4" Unit RO: 71 3/4"	 EA 36 66 Unit Height: 72 1/4" Unit RO: 72 3/4"	 EA 40 66 Unit Height: 72 15/16" Unit RO: 73 7/16"	 EA 44 66 Unit Height: 74 -" Unit RO: 74 1/2"	 EA 48 66 Unit Height: 74 1/2" Unit RO: 75 -"		



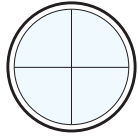
Call out indicates width expressed in inches and shoulder height (series code).
Custom sizes available.

Grilles are optional.

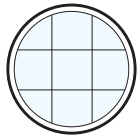
Circle



Sunburst

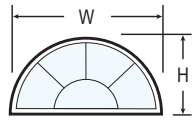


Colonial Four Lite

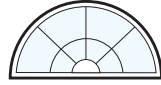


Colonial Nine Lite

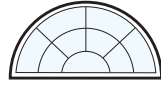
Half-Round



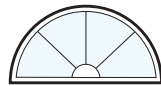
Sunburst



Sunstar

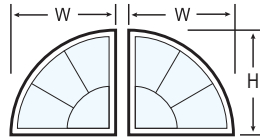


Double Sunburst^A

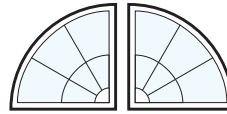


Starburst

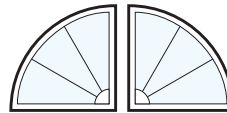
Quarter-Round



Sunburst

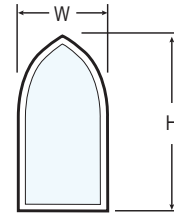


Sunstar

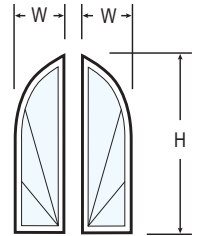


Starburst

Gothic



Half-Gothic



Starburst

Size	Dimensions
CI3030	29 1/2" x 29 1/2"
CI3636	35 1/2" x 35 1/2"

Size	Dimensions
HRD3819	37 1/2" x 18 3/4"
HRD4020	39 1/2" x 19 3/4"
HRD6834	67 1/2" x 33 3/4"
HRD7236	71 1/2" x 35 3/4"

^AThis pattern is available in widths larger than 56 inches.

Size	Dimensions
Left	
QRDL2424	23 1/2" x 23 1/2"
QRDL2828	27 1/2" x 27 1/2"
QRDL3030	29 1/2" x 29 1/2"
QRDL3232	31 1/2" x 31 1/2"
QRDL3636	35 1/2" x 35 1/2"

Right	
QRDR2424	23 1/2" x 23 1/2"
QRDR2828	27 1/2" x 27 1/2"
QRDR3030	29 1/2" x 29 1/2"
QRDR3232	31 1/2" x 31 1/2"
QRDR3636	35 1/2" x 35 1/2"

Size	Dimensions
GC1836	17 3/4" x 35 3/4"
GC2040	19 3/4" x 39 3/4"
GC2244	21 3/4" x 43 3/4"
GC2448	23 3/4" x 47 3/4"
GC2856	27 3/4" x 55 3/4"
GC3060	29 3/4" x 59 3/4"
GC3672	35 3/4" x 71 3/4"

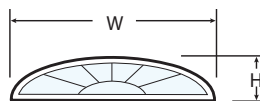
Size	Dimensions
Left	
HGCL1854	17 1/2" x 53 1/2"
HGCL2260	21 1/2" x 59 1/2"
HGCL2666	25 1/2" x 65 1/2"
HGCL2872	27 1/2" x 71 1/2"

Right	
HGCL1854	17 1/2" x 53 1/2"
HGCL2260	21 1/2" x 59 1/2"
HGCL2666	25 1/2" x 65 1/2"
HGCL2872	27 1/2" x 71 1/2"

Choose left-hand or right-hand size as viewed from the outside looking in.



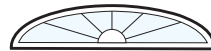
Elliptical



Sunburst

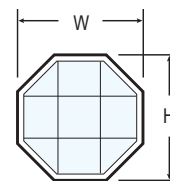


Sunstar



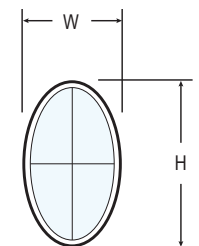
Starburst

Octagon



Colonial Nine Lite

Oval



Colonial Four Lite

Size	Dimensions
EL7220	71 1/2" x 19 1/2"

Size	Dimensions
OTG2424	23 1/2" x 23 1/2"
OTG3232	31 1/2" x 31 1/2"
OTG3636	35 1/2" x 35 1/2"
OTG4848	47 1/2" x 47 1/2"

Size	Dimensions
OV3046	29 1/2" x 45 1/2"
OV3656	35 1/2" x 55 1/2"

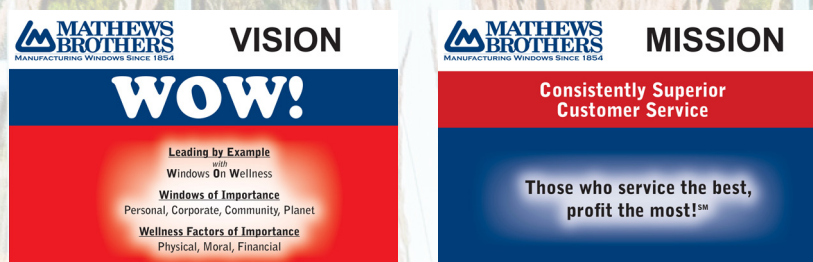
WOW! Customer Service™

permeates every aspect of Mathews Brothers. It is our corporate commitment to maintaining the absolute highest levels of customer satisfaction with our windows and door products, our people and our processes. Every employee of Mathews Brothers Company proudly stands behind the products we make, and we are keenly aware of our individual “points of impact” to our final customer.

WOW! Customer Service is the shorthand reminder of our Vision and Mission Statements: WOW! stands for Windows On Wellness, and grew from questions about what is important to us: family, faith, friends, community, our nation, and so on. As the list grew, it became apparent that these “circles of importance” could be grouped into personal, corporate, community, and planet. These became our “Windows”, and the health or “Wellness” of these circles could be assessed from a physical, moral and financial standpoint. Hence, the term “Windows on Wellness”.

Our Mission Statement is simple: **Consistently Superior Customer Service**, and this serves as our guide for our approach to all customer interactions. We’ve been making windows and doors for a long time now, and we know that the work we’ll do tomorrow rests on the foundation we built yesterday.

And that’s the attitude that is shared by all of us here at Mathews Brothers Company.



A Warranty Is Only As Strong As The Company Providing It

Ask yourself: would you rather have a “Lifetime” Warranty from a company that’s been in business 20 years or so, or a 20-Year Warranty from a company that’s been in business for several lifetimes? With Mathews Brothers “Spencer Walcott” family of windows, you get both. Lifetime coverage* against defects in materials or workmanship, backed by a company that’s been making windows since 1854.

Peace Of Mind

Anyone who’s taken their car in for service knows that it’s not the cost of the part, it’s the labor to put it in! Well, that’s true with just about everything, including windows. That’s why every Spencer Walcott window also includes “Rest Assured Labor” Coverage.

Experience shows that the vast majority of warranty claims are made within the first three years. So, Mathews Brothers Company will cover up to 100% of the direct cost of the components and labor required to repair or replace the defective component or product.*

*Please refer to full written warranty for complete warranty details.

We have the right to change specifications and products without notice. Please note that the material colors are not necessarily precise representations due to variance in the printing process.

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