



## New Construction Windows

*Architectural Flair. Personal Style. Unrivaled Quality.*







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# *everyday* **Dreams**

As a proudly family-owned and operated business for over thirty years, we know that turning dreams into reality demands a steady commitment to a personal vision. When we ventured into the window business, we set out to build a window that would stand for quality in every way. We've never wavered from that ideal. That's why we craft each one of our products from premium materials to your exact specifications. It's also why we use the most technologically advanced equipment available to make thermally efficient, exceptionally durable products. And it's why every employee, from myself, to our customer service representatives, to our sales force, takes your satisfaction to heart. You can count on us to help you with your order before, during and after installation.

We go the extra mile to ensure that our windows arrive at your distributor on time, on spec, and in perfect condition. Since our manufacturing process occurs almost entirely in our 140,000-square-foot manufacturing facility—we even temper and laminate our own glass—we control the source. Our in-house production system enables us to custom-make every order to the highest standards while maintaining one of the fastest turnaround times in the industry.

We have been supplying materials to the homebuilding industry for a long time—my own experience working with building professionals represents a lifetime of acquired product knowledge and sensitivity to your needs—so we know how to help you finish a successful project. One window at a time. One customer at a time. From idea to installation, we never lose sight of you.



A handwritten signature in black ink, reading 'David Barnes' in a cursive script.

David Barnes, President















# *everyday* **Innovation**

We continually look to enhance our products as well as develop new ones to meet the changing needs of homeowners. Our 30,000-square-foot, state-of-the-art Research & Development Center features a dedicated engineering and technical staff, and is home to our own certified test wall and on-site lab. The facility has enabled us to create the next generation of windows—including our OceanView impact-resistant line. Within the lab, our engineering staff studies the science of windows, gaining a keen view into what makes a window work—no matter what the variables. Since our engineers actively participate in the testing process, they often fine-tune our products to perfection even before bringing in third-party-certified technicians. Our S-Series product line scores exceptionally high in the American Architectural Manufacturers Association's (AAMA's) evaluations for design pressure (DP)—a rating that indicates a window's resistance to the effects of wind and other pressures. In fact, the vast majority of S-Series windows have received commercial as well as residential ratings. They're that strong. Our window frame profiles contain over five pounds more PVC than those manufactured by most of our competitors. The result: increased structural integrity, energy efficiency, and durability. The material's resilience is bolstered by SunShield® technology, a premium high-performance vinyl compound which contributes to industry-leading weather resistance, impact resistance, and color retention—as well as 41% better dimensional stability than the standard. What's more, PVC is inherently good for the environment; not only is it long lasting, it's 100% recyclable.

Viwinco is proud to be located in a region renowned for quality craftsmanship. Our technology is cutting edge, but our values are basic: we listen to you, our customers, to identify new and better ways to serve you.

For detailed information on our testing processes, including video footage, please visit [www.Viwinco.com/about/product-testing](http://www.Viwinco.com/about/product-testing).

# *everyday* Efficiency

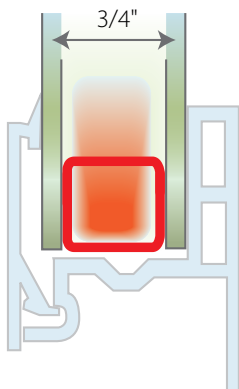
## A Higher Standard.

Viwinco Windows has been committed to optimal energy efficiency, a cleaner environment, and year-round home comfort ever since we first manufactured our standard high-performance glass package. We use this package as a matter of course in every window we produce.

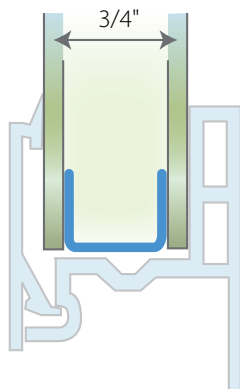
All Viwinco windows meet 2016 ENERGY STAR® performance requirements.

- Double-strength low-e glass
- Argon-filled
- Intercept® ULTRA stainless-steel warm-edge spacer

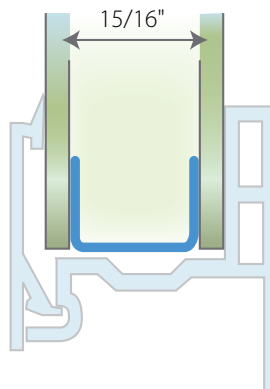
**Typical Window**  
**3/4" single-strength,**  
insulated glass unit



**Viwinco Builders Choice**  
**3/4" double-strength,**  
insulated glass unit  
with argon gas



**Viwinco S-Series**  
**15/16" double-strength,**  
insulated glass unit  
with argon gas







# everyday Values

Traditional and stylish, our single-and double-hung windows are available in our premier S-Series line or in our price-point Builders Choice product line.

On **SINGLE-HUNG WINDOWS**, the bottom sash is operable and the top sash is fixed. Just raise the bottom sash for the ventilation you desire. Single-hungs are economical, easily serviceable, and allow for easy access to receive deliveries of dry wall materials during construction. They also offer exceptional energy efficiency.

On **DOUBLE-HUNG WINDOWS**, both sashes are operable: the bottom sash lifts up and the top pulls down. Double-hungs offer beautiful sight lines and maximum ventilation.

S-Series single- and double-hung styles share the following features:

- A fully fusion-welded frame and sash for strength, durability, and low maintenance
- A 15/16" double-strength insulating glass unit with low-e, Intercept® ULTRA stainless steel spacer, and argon gas fill for advanced performance
- Tilt-n-Lock patented technology
- A constant-force balance system made of 3/4" stainless steel for ease in opening and closing the window
- A sash interlock for added thermal efficiency and security
- Sill weatherstripping 1-3/8" high to fight drafts and water infiltration
- Equally-sized glass in both sashes for even sight lines
- Dual nite-vents

For window sizes and detail drawings, see pages 33-42







# Tilt-*n*-Lock

## HARDWARE

Standard on S-Series single- and double-hung windows

### Exclusive Technology:

- One-handed operation
- Clean sight lines
- Easier cleaning



#### Locked Position

Sash is securely locked. Hidden tilt latches are housed in sash channel for added strength.



#### Unlocked Position

At the 150-degree position, the hidden tilt latches are engaged with the jamb, and the sash can be lifted.



#### Tilt-In Position

When the lever is moved to 180 degrees, the hidden tilt latches clear the jamb channel, allowing the user to easily tilt the sash inward.

# everyday Performance

## S-Series

S-Series is our premier new construction line. Single- or double-hung units come standard with:

- Tilt-n-Lock hardware
- 15/16" double-strength insulated glass unit
- Our high-performance glass package
- 3/4" stainless-steel constant force balance system

## Builders Choice

Our economical Builders Choice line qualifies for smaller egress sizes, making it easier to meet stringent building codes. Single- or double-hung units include:

- 3/4" double-strength insulated glass unit
- Our high-performance glass package
- 1/2" stainless-steel constant force balance system

## New Construction Standard Features:

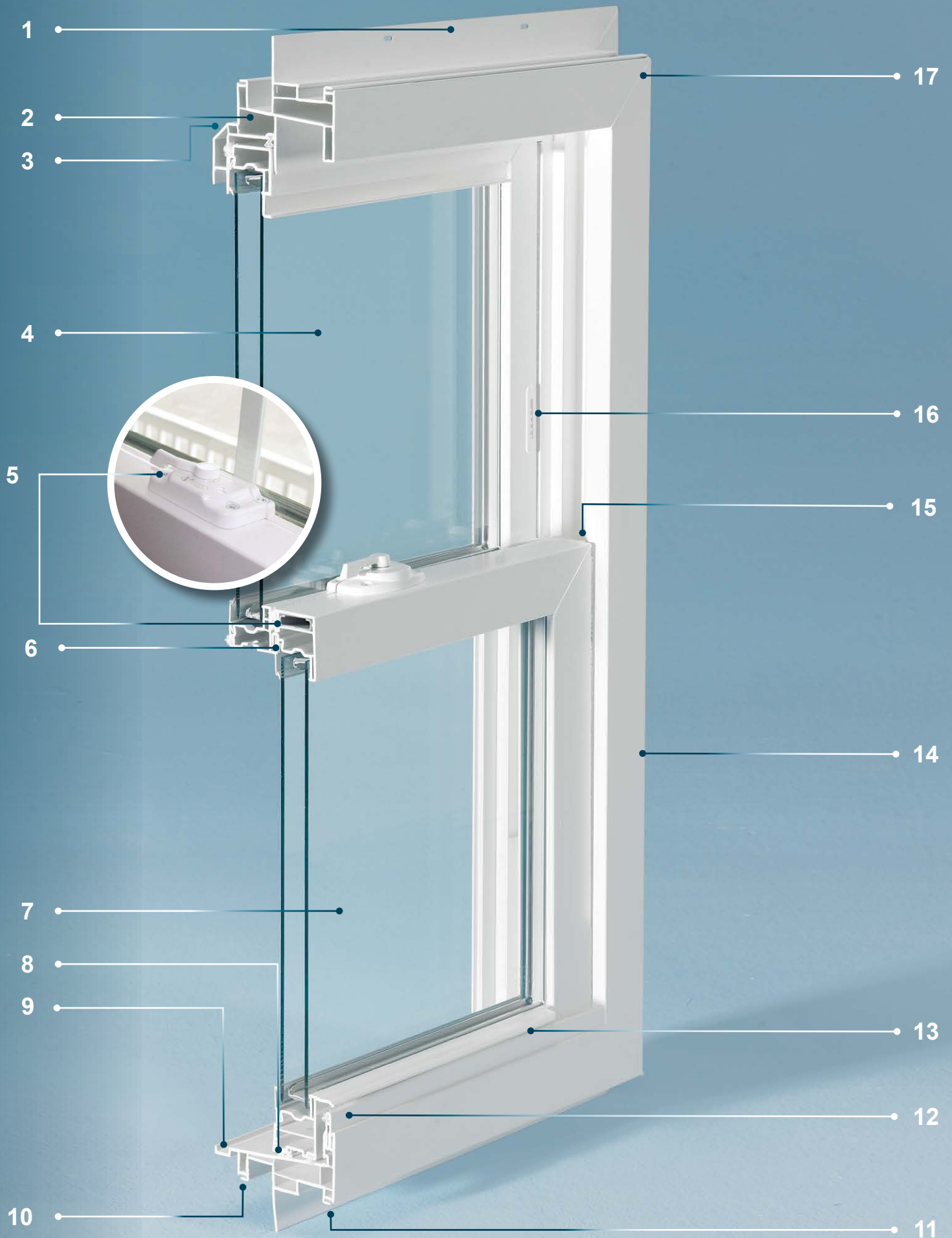
1. 1-1/4" integral, pre-punched nailing fin contributes to trouble-free installation
2. Chambered vinyl profiles add thermal efficiency and structural strength
3. Beveled exterior for traditional craftsmanship look
4. Equally sized glass in both sashes for balanced design
5. S-Series single- and double-hung windows come standard with our patented reinforcement system with Tilt-n-Lock hardware, which provides strength where it's most needed, along the interlock. The reinforcement becomes the housing for the hardware that allows you to use the lock to tilt the sash in with just one hand. Tilt latches are not visible
6. Sash interlock for added security and thermal efficiency
7. 15/16" double-strength (S-Series) and 3/4" double-strength (Builders Choice) glass units with low-e, stainless-steel, low-conductance spacer and argon gas fill for excellent thermal performance
8. 5-degree true sloped sill directs water and debris away from the home
9. Screen track secures screen to better block insects
10. Integral J-channel saves time on exterior finishing
11. Snap-in accessory expands J-channel to 1-1/4" to receive greater range of cladding thicknesses
12. Fully welded sill dam with a mortised-in, replaceable weatherstripped leg increases strength and performance, and provides a clean, aesthetically appealing look
13. Integral designer lift rails make sash operation easy and comfortable
14. Stainless-steel, 3/4" (S-Series) and 1/2" (Builders Choice) constant-force balance eliminates sash drift and never needs adjustment
15. Locking pivot bar secures sash to frame and stabilizes window for shipping
16. Dual nite-vents limit sash travel for ventilation
17. Fully fusion-welded vinyl frame and sash for strength, durability and low maintenance



Our S-Series single-hung window is engineered with two sashes for equal sight lines. It matches the look of our double-hung, but only the lower sash is movable.

For window sizes and detail drawings, see pages 33-42





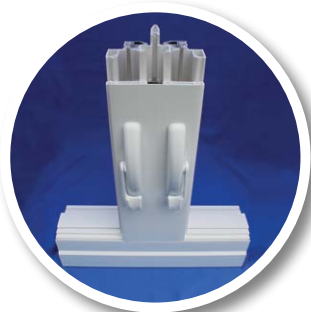
# everyday Complements

S-Series windows are available in many styles in addition to our traditional single and double-hung. Enjoy the breathtaking atmosphere you'll create when you join them into a design all your own.

Our structural mullions provide increased integrity between horizontally and/or vertically adjacent mounted windows—even at large sizes. See below for possible combinations, or browse through the following pages and imagine the possibilities. We'll help you realize them.

## Structural Mullions

Structural mullions attach directly to the rough opening, delivering great strength and stability to the finished installation. A window-wall mull is available for casement and awning windows.



**Integral Mullion**  
(continuous head and sill)  
for mulling casement, picture,  
and awning windows.

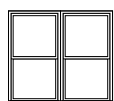


**Structural Mullion**  
used to mull two or  
more units together.  
Interior view.

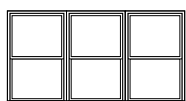


**Drip Cap  
with Bracket**  
to attach mullion  
to rough opening.

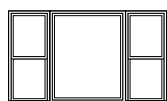
## Selected Mullered Combinations



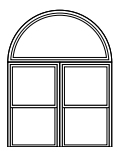
**Twin Single- or  
Double-Hung**



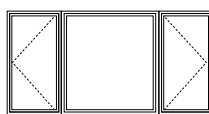
**Triple Single- or  
Double-Hung**



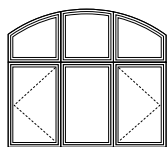
**Double-Hung/Picture/  
Double-Hung or  
Single-Hung/Picture/  
Single-Hung**



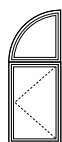
**Half-Round over  
Twin Single- or  
Double-Hung**



**Casement/Picture/  
Casement**



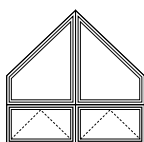
**Extended Arch  
flanked by Arch Trapezoids  
over Triple Picture or  
Casement Window**



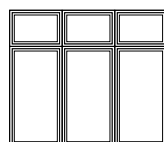
**Quarter-Round  
over Picture  
or Casement  
Window**



**Transom over  
Single- or  
Double-Hung**



**Trapezoids over  
Twin Picture or  
Awning Window**



**Triple Transom over  
Triple Picture  
Window**













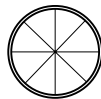
# Geometric Windows

## Build Castles in the Air.

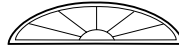
We design windows of almost any geometric shape, and offer many different grid patterns to choose from. Use our geos alone, or pair them with a different fixed or operable window to achieve a truly spectacular, custom look in any room.

Geometric windows are available with all of our color and other options. See pages 25-30 for details.

### Style Options



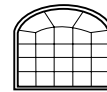
Circle



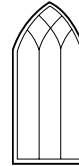
Elliptical



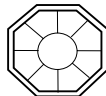
Half-Round



Extended-Arch



Gothic



Octagon



Trapezoids

For additional shapes and grid options, see pages 45-46. Custom-made shapes and custom grids are also available.

Note: when geometric and picture windows are mullered together, sightlines will not be even.

### Geometric Features

1. Integral J-channel saves time on exterior finishing
2. Snap-in accessory expands J-channel to 1-1/4" to receive a greater range of cladding thicknesses
3. 15/16" double-strength insulated glass with low-e glass, Super Spacer®, and argon gas fill
4. Chambered vinyl profiles add thermal efficiency and structural strength
5. Fully fusion-welded sash and frame for strength, durability and low maintenance
6. 1-1/4" integral, pre-punched nailing fin contributes to a trouble-free installation



For the perfect finished look on any geometric window, choose Viwinco's factory-applied extension jambs, available in all our interior woodgrains or color-matched to your window. We bend our jambs to the window shape.

For window sizes and detail drawings, see pages 45-46

# Picture Windows

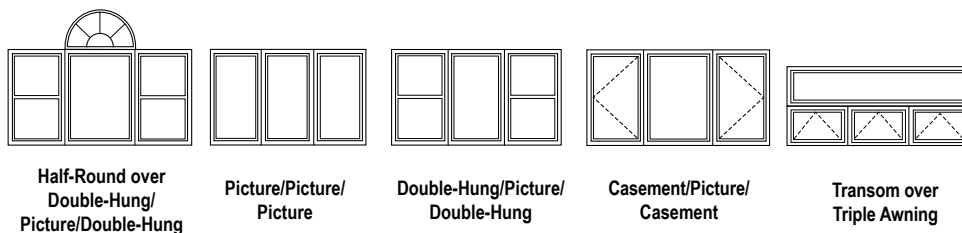
## Infinite Combinations.

Picture windows let the light, and the view, pour in. Add a transom above for a particularly distinctive look, or enrich the atmosphere in any room by flanking with different styles.

Our most practical windows, pictures provide the highest energy-efficiency solution to homeowners.

Picture windows are available with all of our color and other options.  
See pages 25-30 for details.

## Selected Combinations



## Picture Features

1. 15/16" double-strength insulated low-e glass, Intercept® ULTRA low-conductance spacer, and argon gas fill
2. Extruded glazing bead is mitered in the corners for a hand-crafted look
3. Fully fusion-welded frame for strength, durability and low maintenance
4. 1-1/4" integral, pre-punched nailing fin contributes to a trouble-free installation



For window sizes and detail drawings, see page 48













# Casement Windows

Live from the Inside Out.

Our casement windows provide beautiful views and smooth operation. Use as the only window style in your home—or to complement other styles. Hinged at the left or the right depending on your needs, they swing open to the outside with a simple turn of the handle. Multiple casements or awnings may be combined to create a window wall. Our structurally reinforced window-wall mull maximizes visible glass between sashes and can be master framed up to 144" wide.



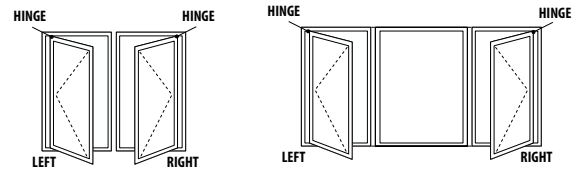
We also offer a Colonial Casement (left). It's designed to look like a double-hung window with the egress features of a casement window.

Fixed casements are available, too.

All our casement windows are available with our color and other options. See pages 25-30 for details.

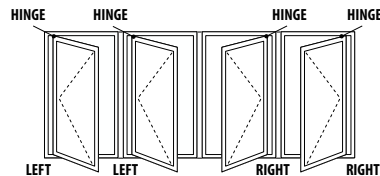
## Possible Combinations

Handing is viewed from the outside

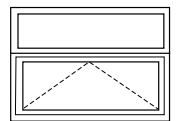


Twin Casement

Casement/Picture/Casement



Combination Quad Casement



Transom over Awning  
(Hinged at top)

## Casement Features

Casements include all the features of our other S-Series styles as well as...

1. 15/16" double-strength insulated glass with low-e glass, Intercept® ULTRA low-conductance spacer, and argon gas fill
2. Operating hinges that open 90 degrees to allow for easy cleaning. Optional egress hardware available
3. Multipoint lock for added security and snug sash closure
4. A folding handle design that tucks away for a streamlined, clean look. It means less interference with window treatments and easy removal of screens
5. Hardware attachment points that are reinforced for a lifetime of reliable operation

Triple weatherstripping for a tight seal against wind, water, sound, and airborne particles—as well as top thermal performance

Aluminum reinforcement in the sash and frame to provide structural integrity; fiberglass reinforcement optional



For window sizes and detail drawings, see pages 49-51

# Sliding Windows

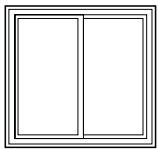
## Breathing Room.

Sliding windows, or *sliders*, are designed with space in mind: they won't obstruct passage or protrude into or outside of your living area. They're particularly convenient for window spaces that are wider than they are tall and where access may be difficult. Since they open horizontally, they don't require the lifting force of single-or double-hung windows. Easy to operate, sliders also offer trouble-free maintenance: just lift out the sash, spray, and wipe.

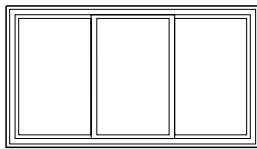
- Positive latching with adjustable keeper and cam-style lock
- Interlock on sashes for energy conservation and durability

Sliding windows are available with all of our color and other options.  
See pages 25-30 for details.

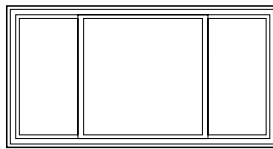
## Style Options



2-Lite  
(1/2-1/2)



3-Lite  
(1/3-1/3-1/3)

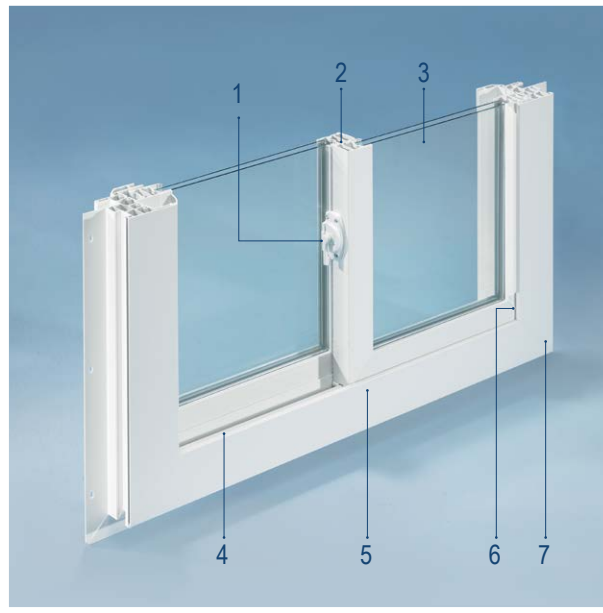


3-Lite  
(1/4-1/2-1/4)

Our 3-lite sliders feature a fixed center lite and venting end lites

## Slider Features

1. Cam-style lock with adjustable keeper for reliable alignment and positive locking
2. Sashes interlock for thermal performance, alignment, and strength
3. 15/16" double-strength insulated low-e glass, Intercept® ULTRA low-conductance spacer and argon gas fill
4. Sash track with monorail-design slider pad provides smooth glide operation
5. Both sashes operate for ventilation. Both sashes lift out for safe cleaning from the inside
6. Extruded designer pull rails (on both sashes) make sash operation easy and comfortable
7. Fully fusion-welded frame and sash for structural strength and durability



For window sizes and detail drawings, see page 47













# Bay and Bow Windows

## Create an Everyday Escape.

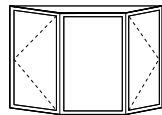
Bay and bow windows have a transformative effect on a home. Viewed from outside or in, they provide a unique architectural element, making a home seem larger and more welcoming. Enjoy gazing at your surroundings from your windowseat.

- Fully fusion-welded vinyl frames for strength, durability and low maintenance
- Chain suspension system attaches directly to frame of house for structurally sound installation
- Tie rods uniting the headboard and seat board provide stability
- Headboard and seat board manufactured from insulated marine-grade plywood with birch veneer. Paintable or stainable to match your décor (oak veneer headboard and seat board also available as an upgrade)

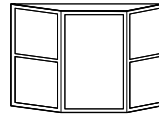
Bays and Bows are available with all of our color and other options. See pages 25-30 for details.

## Possible Combinations

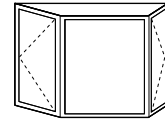
### Bay Windows



30° Bay  
Casement/Picture/Casement

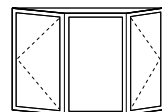


30° Bay  
Double-Hung/Picture/Double-Hung

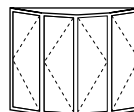


45° Bay  
Casement/Picture/Casement

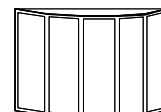
### 10° Bow Windows



3-Lite  
Casement/Picture/Casement



4-Lite  
Casement/Casement/  
Casement/Casement



5-Lite  
Picture/Picture/Picture/  
Picture/Picture

Design your own bay or bow unit with single-hung, double-hung, casement or picture styles. See individual size charts for dimensions, or order a custom size. Custom jamb depths and projections are available.

For window sizes and detail drawings, see pages 43-44

# Be the Center of Every Season.

A home's patio doors get lots of action. In addition to being highly functional, they're often the focal point of a room. Our patio doors are designed for easy indoor/outdoor access, thermal efficiency and reliable operation, and everyday elegance.

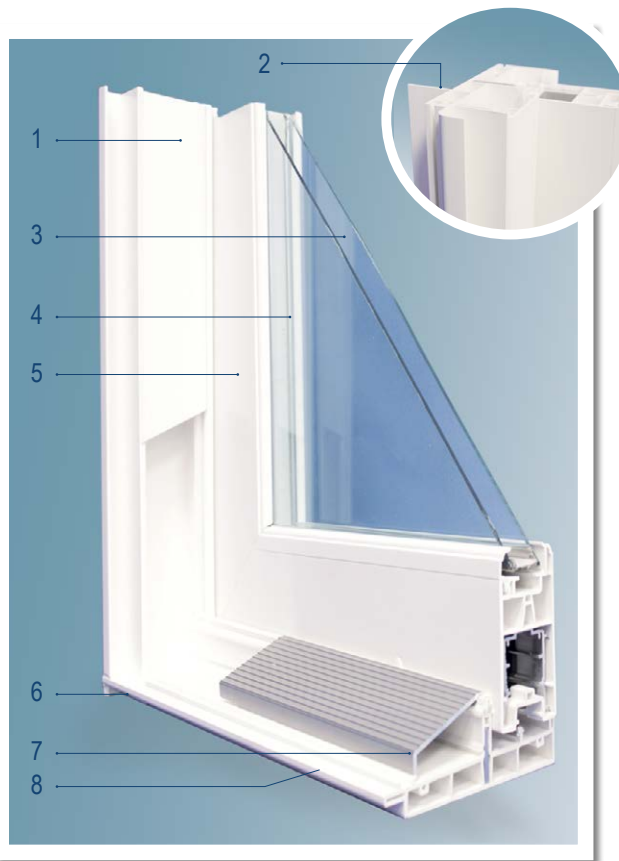
## Patio Door Sills

- 2-lite, 3-lite, and 4-lite patio doors come standard with a vinyl sill. Aluminum sill is optional.

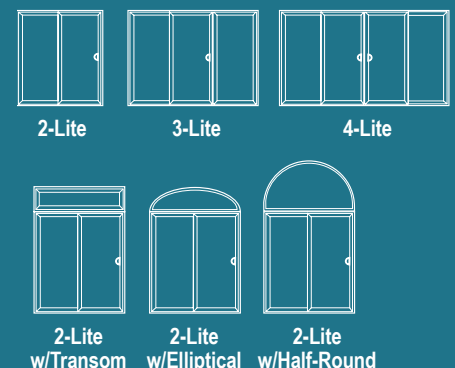
Patio Doors are available with all of our color and other options. See pages 25-30 for details.

## Patio Door Features

1. Head and jamb track covers for a finished appearance
2. Snap-in J-channel accessory is available to allow for a 3/4" or a 1-1/4" J-channel pocket for siding with a brick mold look on the exterior
3. 1" tempered, double-strength low-e glass, Intercept® ULTRA low-conductance spacer, and argon gas fill for strength and thermal efficiency
4. Extruded glazing bead is mitered in the corners for a hand-crafted look
5. Precision-cut and fusion-welded frame creates a powerfully-built sliding patio door
6. Independent screen track keeps screen in place during travel
7. Threshold cover keeps out dirt, grass and leaves
8. Weep hole system is located beneath the screen track



## Style Options

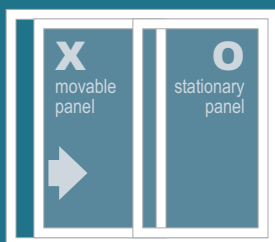


For window sizes and detail drawings, see pages 52-53

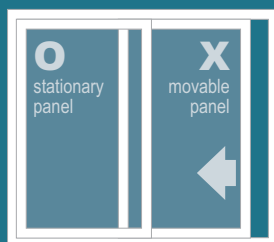




## Patio Door Handing Options



**Left-Hand Operation**  
Viewed from outside



**Right-Hand Operation**  
Viewed from outside

4" stiles and a slim frame allow you to make the most of your view. Available grid patterns include colonial and prairie, in flat or deluxe styles. SDLs also available.

## Handle Options



Our patio doors have a 2-point locking system made from heavy-duty components to assure positive locking.

Locks may be keyed or non-keyed.

D-shaped handles are standard on the inside of the house. Shown (left) in Brushed Nickel.

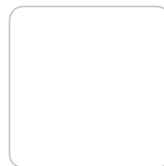




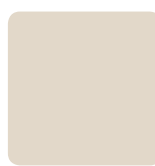
# everyday Options

Select your window color from our assortment of traditional solid extrusions, or add on the style with any one of our exterior laminates or interior woodgrains.

## *Traditional Solid Extrusions:*



White



Tan



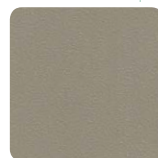
Clay

S-Series windows and patio doors are available in all our solid extrusions

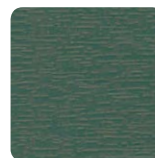
## *Laminates*

Offered on all S-Series windows and patio doors, our exterior laminates and interior woodgrains do more than bring artistry to your home: they are the most natural-looking and enduring you can find.

### **VIWINCO** COLORS Available with white interior only



Driftwood



Hunter Green



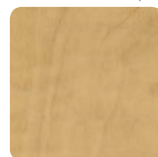
Bronze



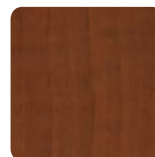
Cocoa Brown

- Triple-layer construction for exceptional durability
- More robust than paint: won't chip, crack, or fade
- Heat-reflective technology
- Impervious to the damaging effects of moisture and salt; ideal for coastal regions

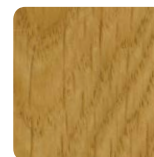
### **VIWINCO** WOODGRAINS Available with white exterior only



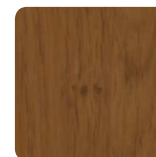
Maple



Cherry

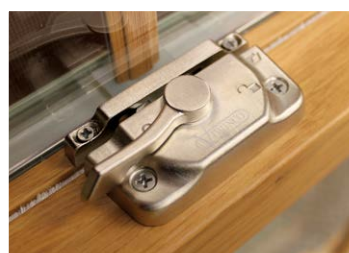


Natural Oak



Dark Oak

- Realistic, natural tones add warmth to any room
- Pearlescent (rather than glossy) finish shadows beautifully on the detail of profiles
- Easy to clean



Tilt-n-Lock hardware in brushed nickel comes standard on windows with an interior woodgrain.



Twin double-hung with simulated divided lites in top sash, interior view. **Inset:** Exterior view of simulated divided lites

## Simulated Divided Lites

Achieve the classic look of authentic divided lites while enhancing your window's energy efficiency.

- Great for historic restorations
- SDLs permanently adhere to the inside and outside of the glass
- SDLs are offered in all of our solid extrusions, exterior colors, and interior woodgrains

## Grids

Grids add definition to your window and character to your home. Sealed between the glass for easy cleaning, they are available in two styles—flat internal or deluxe internal.

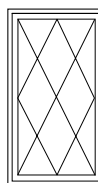
Windows with an interior woodgrain or exterior laminate are available with color-matched deluxe grids.

### Patterns:

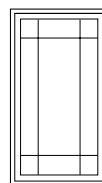
Colonial, Prairie, Double Prairie, Diamond (flat internal only), Queen Anne, Valance, or specialty designs.



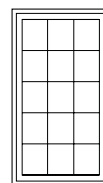
Simulated Divided Lites and Deluxe Grids may be laminated to match the interior of your window. Shown above in natural oak.



Diamond



Prairie



Colonial



Deluxe top,  
Standard bottom





3-1/2" flat casing picture frame in tan



2-1/4" Brick Mold with Bullnose Sill

### ***Exterior Trim and Brick Molding***

Accentuate your style and significantly reduce window installation and finishing time with our maintenance-free, highly durable PVC trim options. Only available for S-Series.

Available in any of our exterior colors, our 3-1/2" flat casing and 2-1/4" brick molding are fully welded, factory applied, and come with an extruded J-channel pocket. For installations where a J-channel pocket is not required, pocket filler is available.

Both exterior trim options are offered with either a picture-frame or bullnose sill.

For detail drawings, see page 54

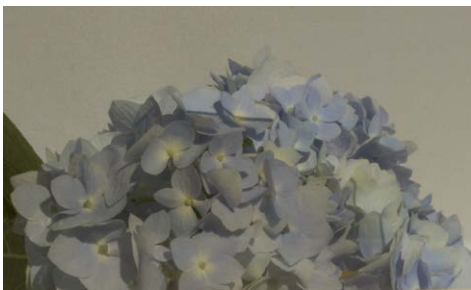


Casement window with obscure glass.

### *Specialty Glass*

Options for glazing include obscure, gray tint, and bronze tint. Tempered glass (not shown) is available for extra safety in high-traffic areas, where you need it most.

Choice of gray or bronze to reduce solar heat gain and glare; obscure glass to increase privacy.



Bronze-tinted



Gray-tinted



Obscure

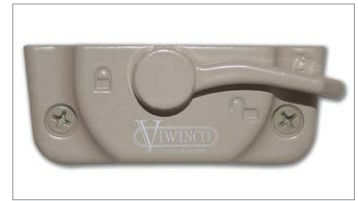


### ***Tilt-n-Lock Hardware is standard on S-Series double- and single-hung windows.***

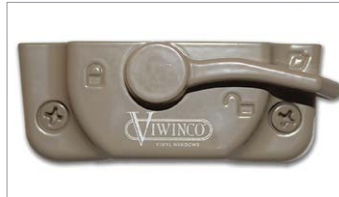
In addition to the structural benefits described on pages 7-9, Tilt-n-Lock provides a clean, uncluttered view by making traditional tilt latches unnecessary. By eliminating tilt latches, we've also rid the window of the crevices that attract dust, making it possible to clean the sash with just one swipe. The one-handed system allows you to tilt the window in with one hand and hold your cleaning supplies in the other. When you're done cleaning, simply push the window shut; there are no tilt latches to re-engage.



White (available only on white hung windows)



Tan (available only on tan hung windows)



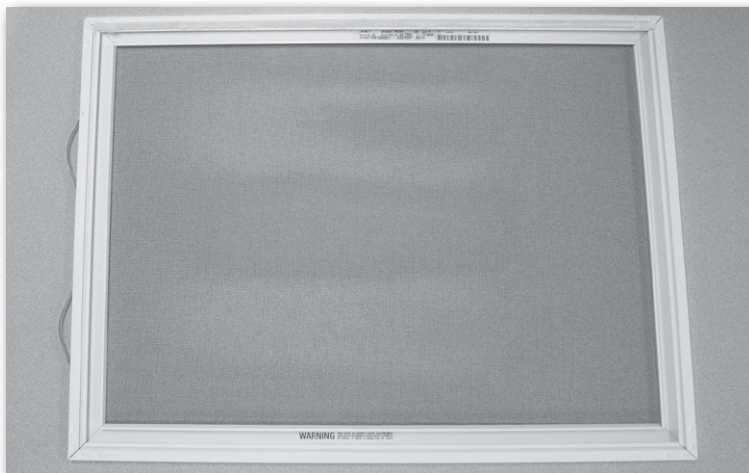
Clay (available only on clay hung windows)



Brushed Nickel (Optional on hung windows of any color; standard on hung windows with an interior woodgrain)

### ***Heavy-Duty Extruded Screens***

Our heavy-duty, extruded screen frames are designed for optimal performance. They feature a durable aluminum frame, reinforced on all four corners makes the screen resilient, resistant to rust, and won't warp or bow. Available in full or half sizes. Double-hung windows come standard with full screens and single-hung windows come standard with half screens.



Extruded screens are built to last the life of your window. Pull rails are located on all four sides, there are no pull tabs to obscure your view.

8-5-17

5 UC L-81T FEED K 112 LTG. JUMP TO PERCH 06.  
14-2





# everyday Accessories

Designed to make installation a breeze.

Viwinco engineers its windows and patio doors to be easier for the homeowner or contractor to install. To further aid in the installation process, we also offer accessory pieces.

- Snap-in J-channel
- Mulled Units
- Jamb Extensions

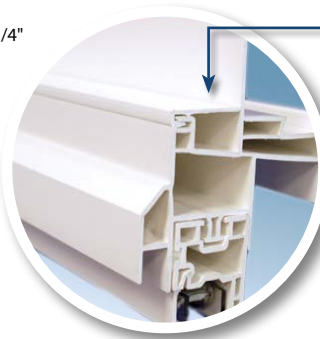
## *Snap-in J-channel*

- Available sizes, patio doors: 3/4" or 1-1/4" snap-in J-channel for patio door expands the pocket to accept a variety of exterior cladding
- Available size, windows: 1-1/4"
- J-channel pocket filler available for windows for use with fiber cement or masonry applications

Snap-in J-channel



1-1/4"











































































J-channel  
pocket filler

## *Extension Jamb*

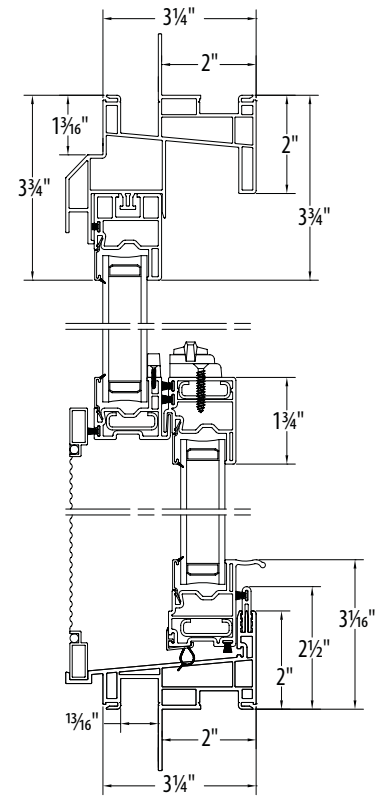
- Factory applied
- Available in all our interior woodgrains or color-matched to your window
- Available sizes: 4-5/8" and 6-5/8". We can also accommodate requests for jamb to be made any size smaller than 6-5/8"



Jamb  
Extensions

Rough Opening				Single-Hung								
				20"	24"	28"	32"	36"	40"	44"	48"	52"
Unit Size				19½"	23½"	27½"	31½"	35½"	39½"	43½"	47½"	51½"
Sash Opening				13⅞"	17⅞"	21⅞"	25⅞"	29⅞"	33⅞"	37⅞"	41⅞"	45⅞"
Visible Glass-Sash				11⅜"	15⅜"	19⅜"	23⅜"	27⅜"	31⅜"	35⅜"	39⅜"	43⅜"
36"	35½"	13⅞"	13⅞"									
				SH2036	SH2436	SH2836	SH3236	SH3636	SH4036	SH4436	SH4836	SH5236
44"	43½"	17⅞"	17⅞"									
				SH2044	SH2444	SH2844	SH3244	SH3644	SH4044	SH4444	SH4844	SH5244
48"	47½"	19⅞"	19⅞"									
				SH2048	SH2448	SH2848	SH3248	SH3648	SH4048	SH4448	SH4848	SH5248
52"	51½"	21⅞"	21⅞"									
				SH2052	SH2452	SH2852	SH3252	SH3652	SH4052	SH4452	SH4852	SH5252
60"	59½"	25⅞"	25⅞"									
				SH2060	SH2460	SH2860	SH3260	SH3660	SH4060 2	SH4460 1	SH4860 1	SH5260 1
66"	65½"	28⅞"	28⅞"									
				SH2066	SH2466	SH2866	SH3266	SH3666 2	SH4066 2	SH4466 1	SH4866 1	SH5266 1
72"	71½"	31⅞"	31⅞"									
				SH2072	SH2472	SH2872	SH3272	SH3672 1	SH4072 1	SH4472 1	SH4872 1	SH5272 1
80"	79½"	35⅞"	35⅞"									
				SH2080	SH2480	SH2880	SH3280	SH3680 1	SH4080 1	SH4480 1	SH4880 1	SH5280 1

Single-Hung Vertical Detail



Callout sizes are expressed in inches and equal rough opening.

Single-hung windows have an interior frame depth of 2"; exterior projection of the frame is 1-3/16" from the nail fin.

When mulling a unit to a single-hung, overall rough opening is not affected by the mullion.

66" tall windows are the maximum size available as oriels.

Oriels are windows having 60% to 40% sash height proportions with the larger sash on top.

Reverse oriels have the smaller sash on top.

❶ Meets egress of:

Clear opening area ≥ 5.7 sq. ft.

Clear opening width ≥ 20"

Clear opening height ≥ 24"

❷ All windows that can meet egress with egress hardware will automatically be manufactured to meet egress.

❸ 2U1R2C: Muller two-unit (one row, two columns).

❹ 2U2R1C: Muller two-unit (two rows, one column).

❺ Meets DP50 rating. Specify DP50 when ordering.

For the latest testing data, contact Customer Service or visit our website at [www.viwinco.com](http://www.viwinco.com).



Technical drawing showing four cross-sectional views of a mechanical assembly, likely a pump or valve mechanism, with dimensions in inches.

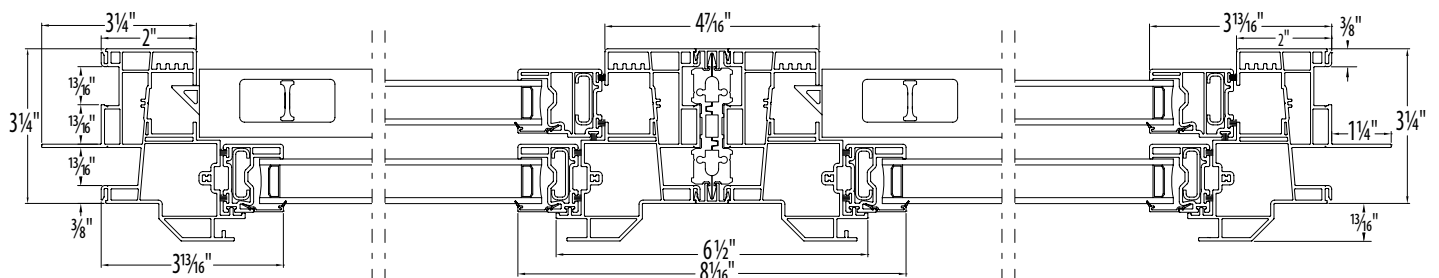
**View 1 (Top):** Shows a cross-section of the upper part of the assembly. Dimensions include a total width of  $4\frac{1}{16}"$ , a distance of  $3\frac{1}{4}"$  from the left edge to the centerline, a distance of  $2"$  from the centerline to the right edge, a height of  $1\frac{3}{16}"$  for the top flange, a height of  $2\frac{1}{16}"$  for the lower flange, and a total height of  $2"$  for the main body.



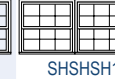





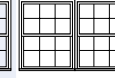
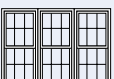
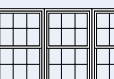
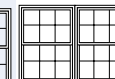
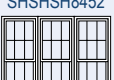






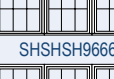

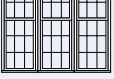
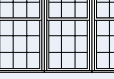
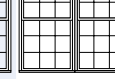
**View 2 (Second from Top):** Shows a cross-section of the middle part of the assembly. Dimensions include a total width of  $6\frac{3}{16}"$ , a distance of  $2\frac{1}{16}"$  from the left edge to the centerline, a distance of  $4\frac{1}{2}"$  from the centerline to the right edge, and a total height of  $5\frac{3}{16}"$  for the main body.





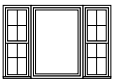
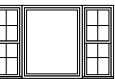
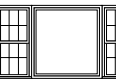
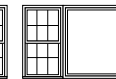




**View 3 (Third from Top):** Shows a cross-section of the lower part of the assembly. Dimensions include a total width of  $3"$ , a distance of  $1\frac{3}{4}"$  from the left edge to the centerline, and a total height of  $1\frac{3}{4}"$  for the main body.

**View 4 (Bottom):** Shows a cross-section of the base of the assembly. Dimensions include a total width of  $3\frac{1}{4}"$ , a distance of  $2"$  from the left edge to the centerline, a distance of  $1\frac{3}{16}"$  from the centerline to the right edge, a height of  $3\frac{1}{16}"$  for the top flange, a height of  $2\frac{1}{2}"$  for the lower flange, and a total height of  $2"$  for the main body.

### *Twin Single-Hung 2U1R2C<sup>®</sup> Horizontal Detail*



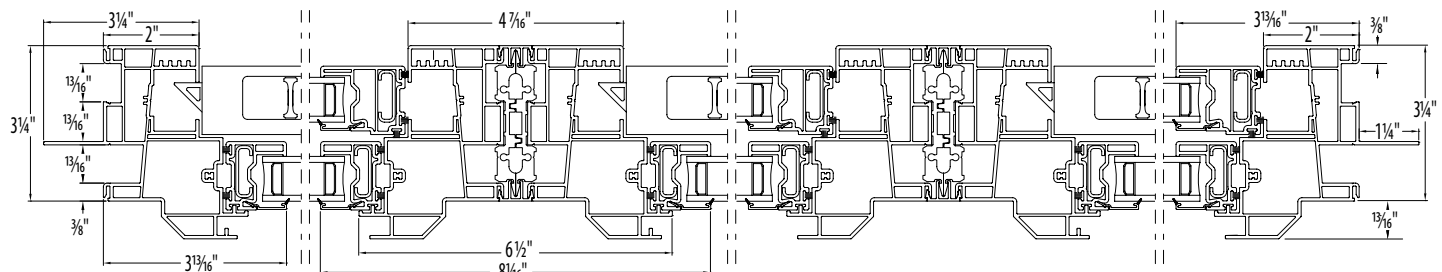
Rough Opening		Triple Single-Hung 3U1R3C <sup>®</sup>		
		84"	96"	108"
Unit Size		84"	96"	108"
Sash Opening		21 <sup>3</sup> / <sub>16</sub> "	25 <sup>3</sup> / <sub>16</sub> "	29 <sup>3</sup> / <sub>16</sub> "
Visible Glass-Upper Sash		19 <sup>3</sup> / <sub>4</sub> "	23 <sup>3</sup> / <sub>4</sub> "	27 <sup>3</sup> / <sub>4</sub> "
Visible Glass-Lower Sash		19 <sup>3</sup> / <sub>4</sub> "	23 <sup>3</sup> / <sub>4</sub> "	27 <sup>3</sup> / <sub>4</sub> "
36"	35 <sup>1</sup> / <sub>2</sub> "			
	13 <sup>1</sup> / <sub>4</sub> "	SHSHSH8436	SHSHSH9636	SHSHSH10836
44"	43 <sup>1</sup> / <sub>2</sub> "			
	17 <sup>1</sup> / <sub>4</sub> "	SHSHSH8444	SHSHSH9644	SHSHSH10844
48"	47 <sup>1</sup> / <sub>2</sub> "			
	19 <sup>1</sup> / <sub>4</sub> "	SHSHSH8448	SHSHSH9648	SHSHSH10848
52"	51 <sup>1</sup> / <sub>2</sub> "			
	21 <sup>1</sup> / <sub>4</sub> "	SHSHSH8452	SHSHSH9652	SHSHSH10852
60"	59 <sup>1</sup> / <sub>2</sub> "			
	25 <sup>1</sup> / <sub>4</sub> "	SHSHSH8460	SHSHSH9660	SHSHSH10860
66"	65 <sup>1</sup> / <sub>2</sub> "			
	28 <sup>1</sup> / <sub>4</sub> "	SHSHSH8466	SHSHSH9666	SHSHSH10866 <sup>①</sup>
72"	71 <sup>1</sup> / <sub>2</sub> "			
	31 <sup>1</sup> / <sub>4</sub> "	SHSHSH8472	SHSHSH9672	SHSHSH10872 <sup>②</sup>
80"	79 <sup>1</sup> / <sub>2</sub> "			
	35 <sup>1</sup> / <sub>4</sub> "	SHSHSH8480	SHSHSH9680	SHSHSH10880 <sup>③</sup>

Rough Opening		Single-Hung/Picture/Single-Hung 3U1R3C <sup>®</sup>			
		80"	92"	104"	124"
Unit Size		79 <sup>1</sup> / <sub>2</sub> "	23 <sup>1</sup> / <sub>2</sub> "	27 <sup>1</sup> / <sub>2</sub> "	31 <sup>1</sup> / <sub>2</sub> "
SHPXSH Unit Configuration		20-40-20	24-44-24	28-48-28	32-60-32
Sash Opening		13 <sup>1</sup> / <sub>16</sub> "	17 <sup>1</sup> / <sub>16</sub> "	21 <sup>1</sup> / <sub>16</sub> "	25 <sup>1</sup> / <sub>16</sub> "
Visible Glass-Sash		11 <sup>1</sup> / <sub>16</sub> "	15 <sup>1</sup> / <sub>16</sub> "	19 <sup>1</sup> / <sub>16</sub> "	23 <sup>1</sup> / <sub>16</sub> "
Visible Glass-Fixed Center		33 <sup>3</sup> / <sub>4</sub> "	37 <sup>3</sup> / <sub>4</sub> "	41 <sup>3</sup> / <sub>4</sub> "	23 <sup>3</sup> / <sub>4</sub> "
36"	35 <sup>1</sup> / <sub>2</sub> "				
	13 <sup>1</sup> / <sub>16</sub> "	SHPXSH8036	SHPXSH9236	SHPXSH10436	SHPXSH12436
48"	47 <sup>1</sup> / <sub>2</sub> "				
	19 <sup>1</sup> / <sub>16</sub> "	SHPXSH8048	SHPXSH9248	SHPXSH10448	SHPXSH12448
60"	59 <sup>1</sup> / <sub>2</sub> "				
	25 <sup>1</sup> / <sub>16</sub> "	SHPXSH8060	SHPXSH9260	SHPXSH10460	SHPXSH12460

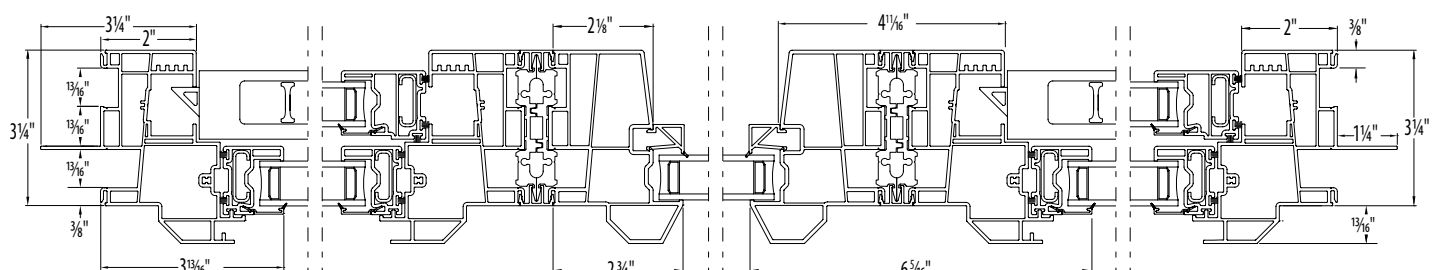
Callout sizes are expressed in inches and equal rough opening. Single-hung windows have an interior frame depth of 2" and an exterior projection of 1-3/16" from the nail fin. When mulling a unit to a single-hung, overall rough opening is not affected by the mullion. 66" tall windows are the maximum size available as oriels. Oriels are windows having 60% to 40% sash height proportions with the larger sash on top. Reverse oriels have the smaller sash on top.

- ① Meets egress of:  
Clear opening area ≥ 5.7 sq. ft.  
Clear opening width ≥ 20"  
Clear opening height ≥ 24"
  - ② 3U1R3C: Muller three-unit (one row, three columns).
  - ③ All windows that can meet egress with egress hardware will automatically be manufactured to meet egress.
  - Meets DP50 rating. Specify DP50 when ordering.
- For the latest testing data, contact Customer Service or visit our website at [www.Viwinco.com](http://www.Viwinco.com).


















































































Triple Single-Hung 3U1R3C<sup>®</sup> Horizontal Detail



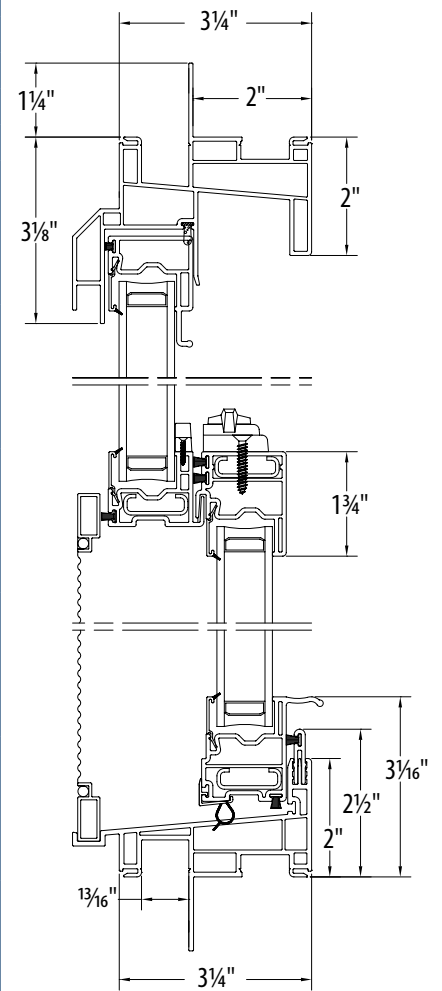
Single-Hung/Picture/Single-Hung 3U1R3C<sup>®</sup> Horizontal Detail





Rough Opening					Double-Hung									
					20"	24"	28"	32"	36"	40"	44"	48"	52"	
Unit Size					19½"	23½"	27½"	31½"	35½"	39½"	43½"	47½"	51½"	
Sash Opening					13⅞"	17⅞"	21⅞"	25⅞"	29⅞"	33⅞"	37⅞"	41⅞"	45⅞"	
Visible Glass-Upper Sash					11¾"	15¾"	19¾"	23¾"	27¾"	31¾"	35¾"	39¾"	43¾"	
Visible Glass-Lower Sash					11¾"	15¾"	19¾"	23¾"	27¾"	31¾"	35¾"	39¾"	43¾"	
36"	35½"	13¼"	13⅞"	13⅝"										
					DH2036	DH2436	DH2836	DH3236	DH3636	DH4036	DH4436	DH4836	DH5236	
44"	43½"	17¼"	17⅞"	17⅝"										
					DH2044	DH2444	DH2844	DH3244	DH3644	DH4044	DH4444	DH4844	DH5244	
48"	47½"	19¼"	19⅞"	19⅝"										
					DH2048	DH2448	DH2848	DH3248	DH3648	DH4048	DH4448	DH4848	DH5248	
52"	51½"	21¼"	21⅞"	21⅝"										
					DH2052	DH2452	DH2852	DH3252	DH3652	DH4052	DH4452	DH4852	DH5252	
60"	59½"	25¼"	25⅞"	25⅝"										
					DH2060	DH2460	DH2860	DH3260	DH3660	DH4060 ②	DH4460 ②	DH4860 ②	DH5260 ②	
62"	61½"	26¼"	26⅞"	26⅝"										
					DH2062	DH2462	DH2862	DH3262	DH3662	DH4062 ②	DH4462 ①	DH4862 ①	DH5262 ①	
66"	65½"	28¼"	28⅞"	28⅝"										
					DH2066	DH2466	DH2866	DH3266	DH3666 ②	DH4066 ①	DH4466 ①	DH4866 ①	DH5266 ①	
72"	71½"	31¼"	31⅞"	31⅝"										
					DH2072	DH2472	DH2872	DH3272	DH3672 ②	DH4072 ①	DH4472 ①	DH4872 ①	DH5272 ①	
80"	79½"	35¼"	35⅞"	35⅝"										
					DH2080	DH2480	DH2880	DH3280 ①	DH3680 ①	DH4080 ①	DH4480 ①	DH4880 ①	DH5280 ①	

Double-Hung Vertical Detail



Callout sizes are expressed in inches and equal rough opening.

Double-hung windows have an interior frame depth of 2"; exterior projection of the frame is 1-3/16" from the nail fin.

When mulling a unit to a double-hung, overall rough opening is not affected by the mullion.

66" tall windows are the maximum size available as oriels.

Oriels are windows having 60% to 40% sash height proportions with the larger sash on top.

Reverse oriels have the smaller sash on top.

① Meets egress of:

Clear opening area ≥ 5.7 sq. ft.

Clear opening width ≥ 20"

Clear opening height ≥ 24"

② All windows that can meet egress with egress hardware will automatically be manufactured to meet egress.

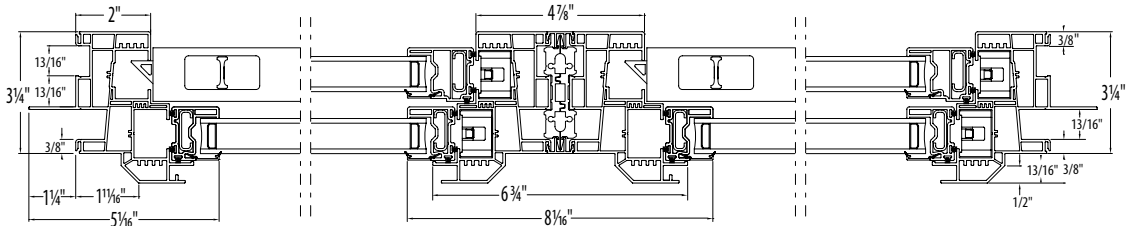
③ Meets DP50 rating. Specify DP50 when ordering.

For the latest testing data, contact Customer Service or visit our website at [www.Viwinco.com](http://www.Viwinco.com).

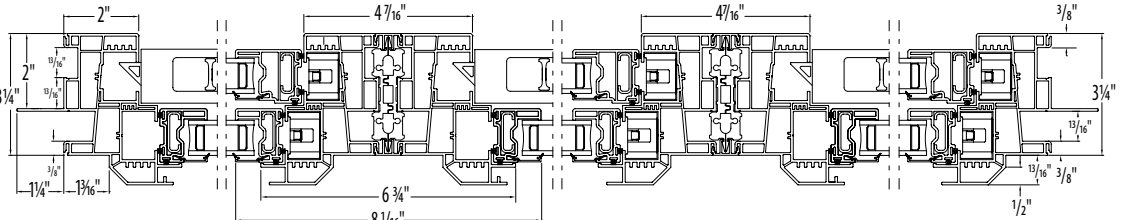
Rough Opening		Twin Double-Hung 2U1R2C <sup>®</sup>		
		56"	64"	72"
Unit Size		55½"	63½"	71½"
Sash Opening		21⅜"	25⅜"	29⅜"
Visible Glass-Upper Sash		19¾"	23¾"	27¾"
Visible Glass-Lower Sash		19¾"	23¾"	27¾"
36"	35½" 13¼" 13⅝"	 DHDH5636	 DHDH6436	 DHDH7236
44"	43½" 17¼" 17⅞"	 DHDH5644	 DHDH6444	 DHDH7244
48"	47½" 19¼" 19⅞"	 DHDH5648	 DHDH6448	 DHDH7248
52"	51½" 21¼" 21⅞"	 DHDH5652	 DHDH6452	 DHDH7252
60"	59½" 25¼" 25⅞"	 DHDH5660	 DHDH6460	 DHDH7260
62"	61½" 26¼" 26⅞"	 DHDH5662	 DHDH6462	 DHDH7262
66"	65½" 28¼" 28⅞"	 DHDH5666	 DHDH6466	 DHDH7266
72"	71½" 31¼" 31⅞"	 DHDH5672	 DHDH6472	 DHDH7272
80"	79½" 35¼" 35⅞"	 DHDH5680	 DHDH6480	 DHDH7280

Rough Opening		Triple Double-Hung 3U1R3C <sup>®</sup>		
		84"	96"	108"
Unit Size		83½"	95½"	107½"
Sash Opening		21⅜"	25⅜"	29⅜"
Visible Glass-Upper Sash		19¾"	23¾"	27¾"
Visible Glass-Lower Sash		19¾"	23¾"	27¾"
36"	35½" 13¼" 13⅝"	 DHDH8436	 DHDH9636	 DHDH10836
44"	43½" 17¼" 17⅞"	 DHDH8444	 DHDH9644	 DHDH10844
48"	47½" 19¼" 19⅞"	 DHDH8448	 DHDH9648	 DHDH10848
52"	51½" 21¼" 21⅞"	 DHDH8452	 DHDH9652	 DHDH10852
60"	59½" 25¼" 25⅞"	 DHDH8460	 DHDH9660	 DHDH10860
62"	61½" 26¼" 26⅞"	 DHDH8462	 DHDH9662	 DHDH10862
66"	65½" 28¼" 28⅞"	 DHDH8466	 DHDH9666	 DHDH10866
72"	71½" 31¼" 31⅞"	 DHDH8472	 DHDH9672	 DHDH10872
80"	79½" 35¼" 35⅞"	 DHDH8480	 DHDH9680	 DHDH10880













Twin Double-Hung  
2U1R2C<sup>®</sup>  
Horizontal Detail



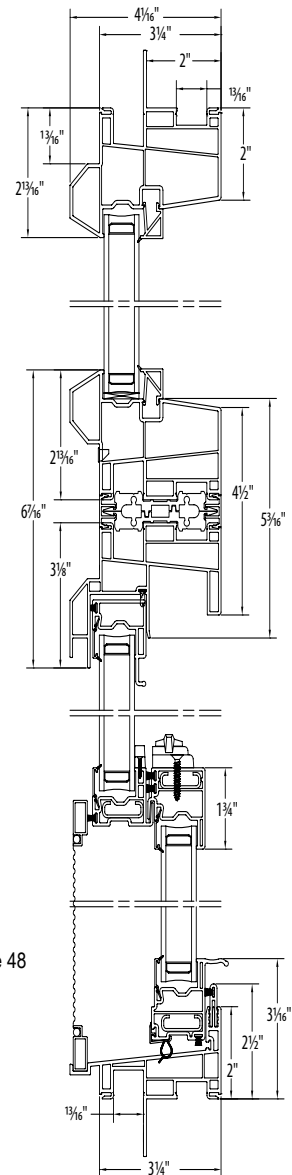
Triple Double-Hung  
3U1R3C<sup>®</sup>  
Horizontal Detail





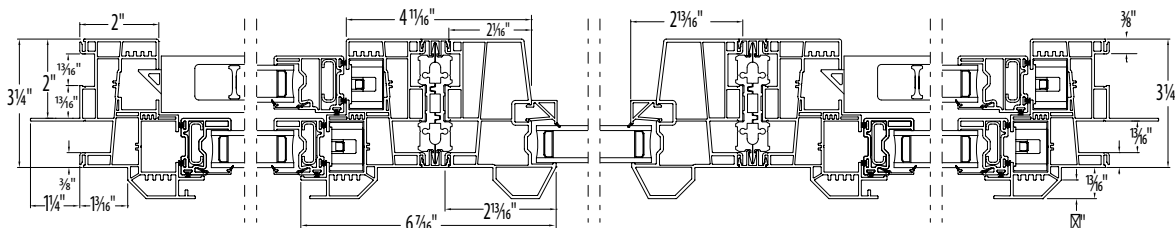
Rough Opening		Double-Hung /Picture/Double-Hung 3U1R3C <sup>®</sup>			
		80"	92"	104"	124"
Unit Size		79½"	91½"	103½"	123½"
DHPXDH Unit Configuration		20-40-20	24-44-24	28-48-28	32-60-32
Sash Opening		13⅞"	17⅞"	21⅞"	25⅞"
Visible Glass-Upper Sash		11¾"	15¾"	19¾"	23¾"
Visible Glass-Upper Center		33¾"	37¾"	41¾"	53¾"
Visible Glass-Fixed Lower		11¾"	15¾"	19¾"	23¾"
36"	35½"	13⅞"	13⅞"	29⅞"	
					
		DHPXDH8036	DHPXDH9236	DHPXDH10436	DHPXDH12436
48"	47½"	19⅞"	19⅞"	41⅞"	
					
		DHPXDH8048	DHPXDH9248	DHPXDH10448	DHPXDH12448
60"	59½"	25⅞"	25⅞"	53⅞"	
					
		DHPXDH8060	DHPXDH9260	DHPXDH10460	DHPXDH12460

### Double-Hung with Transom 2U2R1C<sup>3</sup>



For transom sizes, see page 48

### Double-Hung/Picture/Double-Hung 3U1R3C<sup>®</sup> Horizontal Detail



Callout sizes are expressed in inches and equal rough opening.

Double-hung windows have an interior frame depth of 2"; exterior projection of the frame is 1-3/16" from the nail fin.

When mulling a unit to a double-hung, overall rough opening is not affected by the mullion. 66" tall windows are the maximum size available as oriels.

Oriels are windows having 60% to 40% sash height proportions with the larger sash on top. Reverse oriels have the smaller sash on top.

























































- Meets egress of:
  - Clear opening area  $\geq 5.7$  sq. ft.
  - Clear opening width  $\geq 20"$
  - Clear opening height  $\geq 24"$

- ② All windows that can meet egress with egress hardware will automatically be manufactured to meet egress.

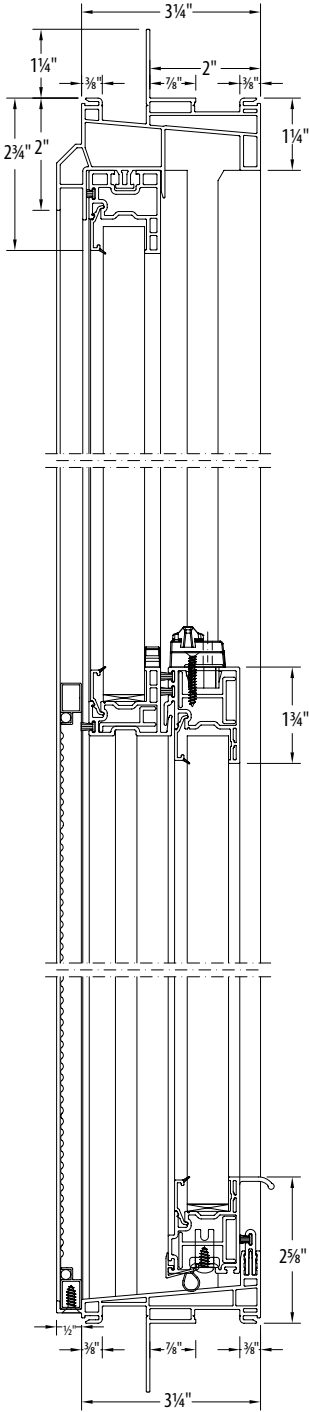
- ③ 2U2R1C: Mulled two-unit (two rows, one column).
- ④ 2U1R2C: Mulled two-unit (one row, two columns).
- ⑤ 3U1R3C: Mulled three-unit (one row, three columns).

- Meets DP50 rating. Specify DP50 when ordering.

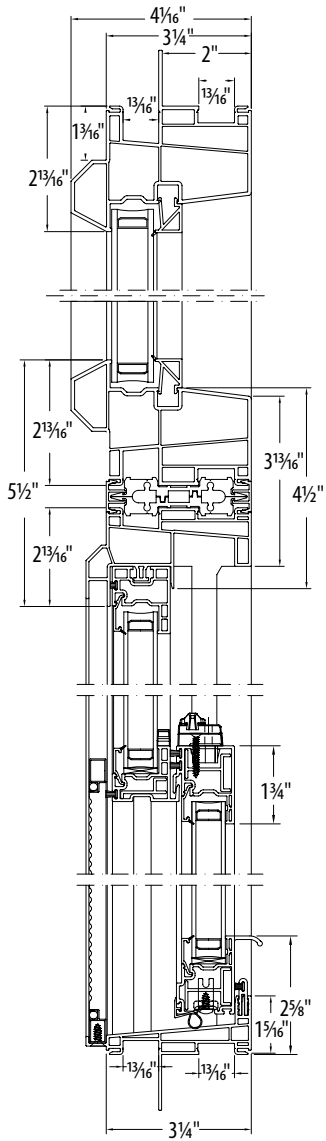
For the latest testing data, contact Customer Service or visit our website at [www.Viwinco.com](http://www.Viwinco.com).

Rough Opening		Single-Hung							
		20"	24"	28"	32"	36"	40"	44"	48"
Unit Size		19½"	23½"	27½"	31½"	35½"	39½"	43½"	47½"
Sash Opening		13⅞"	17⅞"	21⅞"	25⅞"	29⅞"	33⅞"	37⅞"	41⅞"
Visible Glass-Sash		11⅜"	15⅜"	19⅜"	23⅜"	27⅜"	31⅜"	35⅜"	39⅜"
36"	35½"								
	13⅞"	SH2036	SH2436	SH2836	SH3236	SH3636	SH4036	SH4436	SH4836
44"	43½"								
	17⅞"	SH2044	SH2444	SH2844	SH3244	SH3644	SH4044	SH4444	SH4844
48"	47½"								
	19⅞"	SH2048	SH2448	SH2848	SH3248	SH3648	SH4048	SH4448	SH4848
52"	51½"								
	21⅞"	SH2052	SH2452	SH2852	SH3252	SH3652	SH4052	SH4452	SH4852
60"	59½"								
	25⅞"	SH2060	SH2460	SH2860	SH3260	SH3660	SH4060	SH4460	SH4860
66"	65½"								
	28⅞"	SH2066	SH2466	SH2866	SH3266	SH3666	SH4066	SH4466	SH4866
72"	71½"								
	31⅞"	SH2072	SH2472	SH2872	SH3272	SH3672	SH4072	SH4472	SH4872

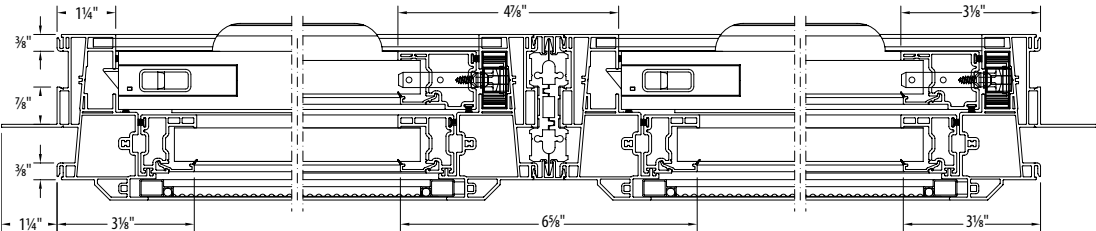
Single-Hung  
Vertical Detail



Single-Hung with Transom  
2U2R1C® Vertical Detail



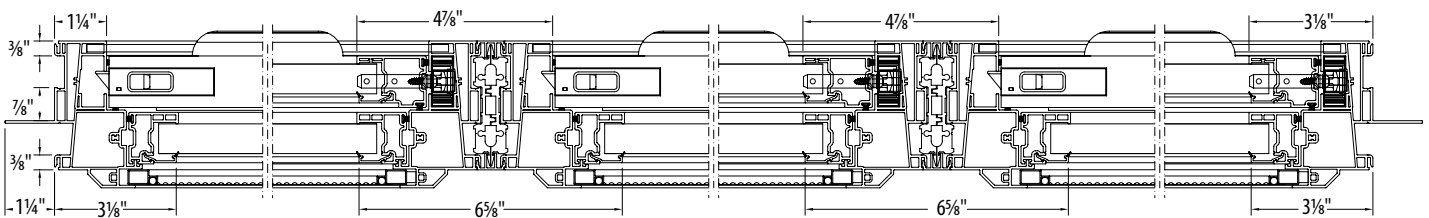
Twin Single-Hung 2U1R2C® Horizontal Detail



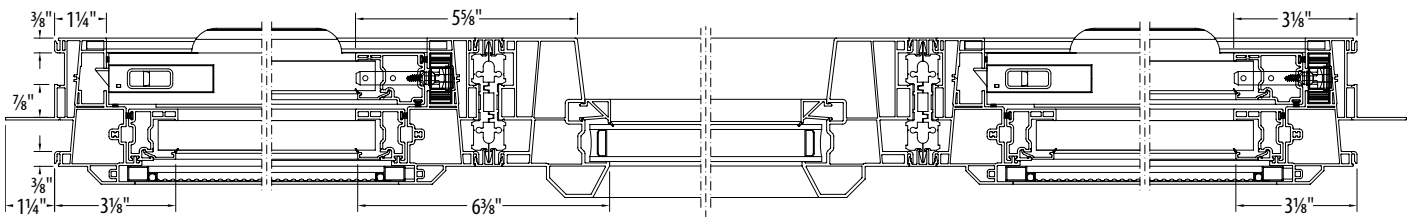


Rough Opening	Twin Single-Hung 2U1R2C <sup>Ⓐ</sup>			Triple Single-Hung 3U1R3C <sup>Ⓑ</sup>			Rough Opening	Single-Hung /Picture/Single-Hung 3U1R3C <sup>Ⓒ</sup>			
	56"	64"	72"	84"	96"	108"		80"	92"	104"	124"
Unit Size	55½"	63½"	71½"	83½"	95½"	107½"	Unit Size	79½"	91½"	103½"	123½"
Sash Opening	21⅞"	25⅞"	29⅞"	21⅞"	25⅞"	29⅞"	SHPXSH Unit Configuration	20-40-20	24-44-24	28-48-28	32-60-32
Visible Glass-Sash	19⅜"	23⅜"	27⅜"	19⅜"	23⅜"	27⅜"	Sash Opening	13⅞"	17⅞"	21⅞"	25⅞"
							Visible Glass-Sash	11⅜"	15⅜"	19⅜"	23⅜"
							Visible Glass-Fixed Center	33¾"	37¾"	41¾"	53¾"
36"	35½"	39⅞"	43⅞"	SHSH5636 SHSH6436 SHSH7236	SHSHSH8436 SHSHSH9636 SHSHSH10836		36"	35½"	39⅞"	43⅞"	SHPXSH8036 SHPXSH9236 SHPXSH10436 SHPXSH12436
44"	43½"	47⅞"	51⅞"	SHSH5644 SHSH6444 SHSH7244	SHSHSH8444 SHSHSH9644 SHSHSH10844		44"	43½"	47⅞"	51⅞"	SHPXSH8048 SHPXSH9248 SHPXSH10448 SHPXSH12448
48"	47½"	51⅞"	55⅞"	SH5648 SH6448 SH7248	SHSHSH8448 SHSHSH9648 SHSHSH10848		48"	47½"	51⅞"	55⅞"	
52"	51½"	55⅞"	59⅞"	SHSH5652 SHSH6452 SHSH7252	SHSHSH8452 SHSHSH9652 SHSHSH10852		52"	51½"	55⅞"	59⅞"	
60"	59½"	63⅞"	67⅞"	SHSH5660 SHSH6460 SHSH7260	SHSHSH8460 SHSHSH9660 SHSHSH10860		60"	59½"	63⅞"	67⅞"	SHPXSH8060 SHPXSH9260 SHPXSH10460 SHPXSH12460
66"	65½"	69⅞"	73⅞"	SH5666 SH6466 SH7266	SHSHSH8466 SHSHSH9666 SHSHSH10866						
72"	71½"	75⅞"	79⅞"	SHSH5672 SHSH6472 SHSH7272	SHSHSH8472 SHSHSH9672 SHSHSH10872						
80"	79½"	83⅞"	87⅞"	SHSH5680 SHSH6480 SHSH7280	SHSHSH8480 SHSHSH9680 SHSHSH10880						

Triple Single-Hung 3U1R3C<sup>Ⓑ</sup> Horizontal Detail



Single-Hung/Picture/Single-Hung 3U1R3C<sup>Ⓑ</sup> Horizontal Detail



Callout sizes are expressed in inches and equal rough opening.

Single-hung windows have an interior frame depth of 2"; exterior projection of the frame is 1-3/16" from the nail fin.

When mulling a unit to a single-hung, overall rough opening is not affected by the mullion.

66" tall windows are the maximum size available as oriels.

Oriels are windows having 60% to 40% sash height proportions with the larger sash on top.

Reverse oriels have the smaller sash on top.

① Meets egress of:

Clear opening area ≥ 5.7 sq. ft.  
Clear opening width ≥ 20"  
Clear opening height ≥ 24"

② All windows that can meet egress with egress hardware will automatically be manufactured to meet egress.

③ 2U2R1C: Muller two-unit (two rows, one column).

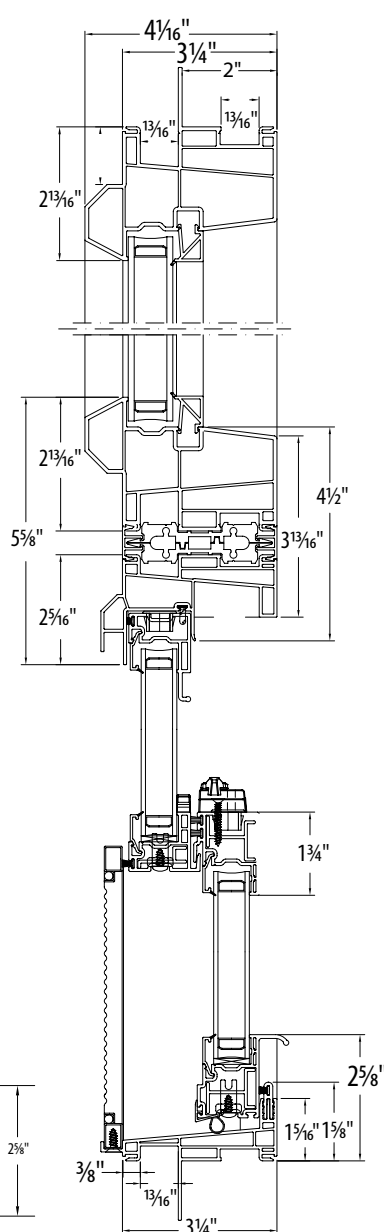
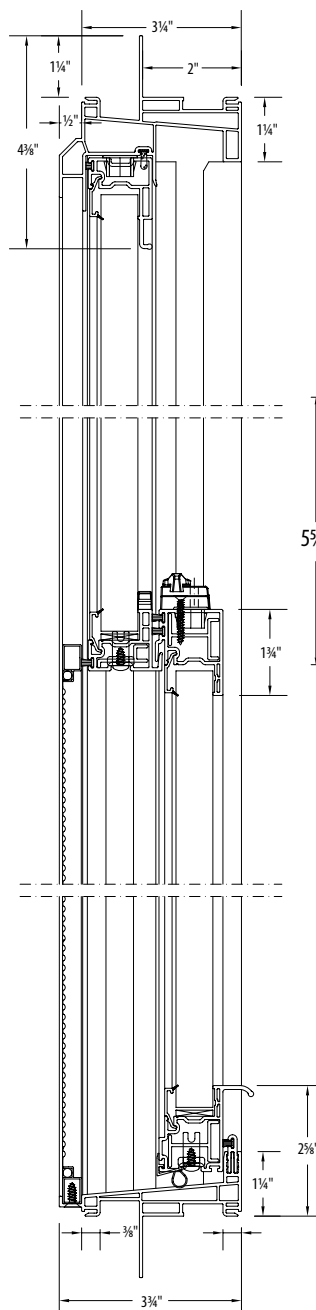
④ 2U1R2C: Muller two-unit (one row, two columns).

⑤ 3U1R3C: Muller three-unit (one row, three columns).

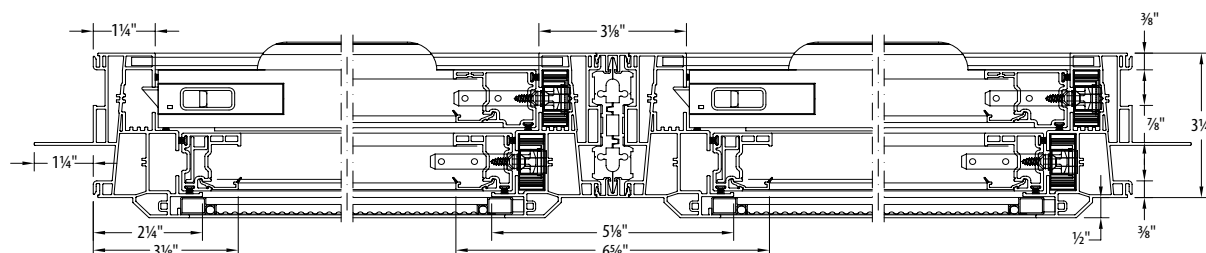
■ Meets DP35 rating.

For the latest testing data, contact Customer Service or visit our website at [www.Viwinco.com](http://www.Viwinco.com).




















































### Double-Hung with Transom 2U2R1C<sup>®</sup> Vertical Detail



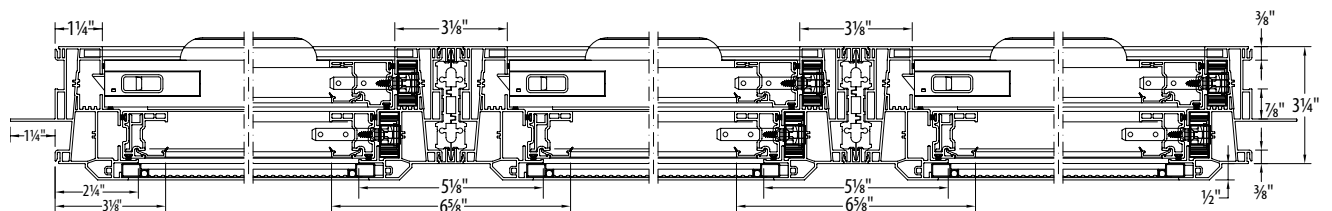
***Twin Double-Hung 2U1R2C<sup>4</sup> Horizontal Detail***



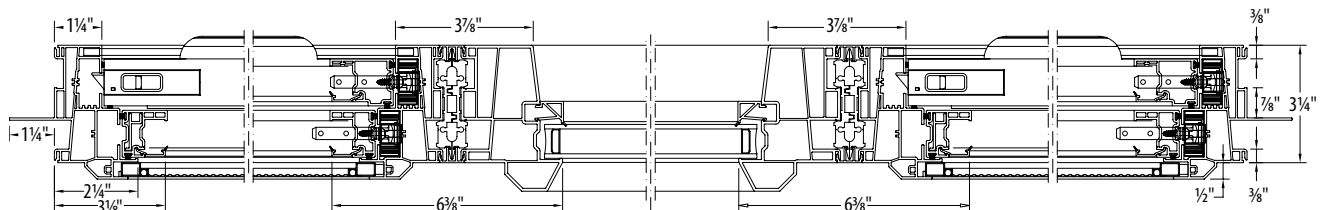


Rough Opening	Twin Double-Hung 2U1R2C <sup>®</sup>			Triple Double-Hung 3U1R3C <sup>®</sup>			Rough Opening	Double-Hung/Picture/Double-Hung 3U1R3C <sup>®</sup>			
	56"	64"	72"	84"	96"	108"		80"	92"	104"	124"
Unit Size	55½"	63½"	71½"	83½"	95½"	107½"	Unit Size	79½"	91½"	103½"	123½"
Sash Opening	21⅜"	25⅜"	29⅜"	21⅜"	25⅜"	29⅜"	DHPXDH Unit Configuration	20-40-20	24-44-24	28-48-28	32-60-32
Visible Glass-Upper Sash	19¾"	23¾"	27¾"	19¾"	23¾"	27¾"	Sash Opening	13⅜"	17⅜"	21⅜"	25⅜"
Visible Glass-Lower Sash	19¾"	23¾"	27¾"	19¾"	23¾"	27¾"	Visible Glass-Upper Sash	11¾"	15¾"	19¾"	23¾"
36"	 DHDH5636	 DHDH6436	 DHDH7236	 DHDH8436	 DHDH9636	 DHDH10836	Visible Glass-Upper Center	33¾"	37¾"	41¾"	53¾"
44"	 DHDH5644	 DHDH6444	 DHDH7244	 DHDH8444	 DHDH9644	 DHDH10844	Visible Glass-Fixed Lower	11¾"	15¾"	19¾"	23¾"
48"	 DHDH5648	 DHDH6448	 DHDH7248	 DHDH8448	 DHDH9648	 DHDH10848	36"	 DHPXDH8036	 DHPXDH9236	 DHPXDH10436	 DHPXDH12436
52"	 DHDH5652	 DHDH6452	 DHDH7252	 DHDH8452	 DHDH9652	 DHDH10852	48"	 DHPXDH8048	 DHPXDH9248	 DHPXDH10448	 DHPXDH12448
60"	 DHDH5660	 DHDH6460	 DHDH7260	 DHDH8460	 DHDH9660	 DHDH10860	60"	 DHPXDH8060	 DHPXDH9260	 DHPXDH10460	 DHPXDH12460
66"	 DHDH5666	 DHDH6466	 DHDH7266 ❶	 DHDH8466	 DHDH9666	 DHDH10866 ❶					
72"	 DHDH5672	 DHDH6472 ❷	 DHDH7272 ❶	 DHDH8472	 DHDH9672 ❷	 DHDH10872 ❶					

### Triple Double-Hung 3U1R3C<sup>®</sup> Horizontal Detail



### Double-Hung/Picture/Double-Hung 3U1R3C<sup>®</sup> Horizontal Detail



Callout sizes are expressed in inches and equal rough opening.

Double-hung windows have an interior frame depth of 2"; exterior projection of the frame is 1-3/16" from the nail fin.

When mulling a unit to a double-hung, overall rough opening is not affected by the mullion.

66" tall windows are the maximum size available as oriels.

Oriels are windows having 60% to 40% sash height proportions

with the larger sash on top. Reverse oriels have the smaller sash on top.

- ❶ Meets egress of:  
Clear opening area ≥ 5.7 sq. ft.  
Clear opening width ≥ 20"  
Clear opening height ≥ 24"
- ❷ All windows that can meet egress with egress hardware will automatically be manufactured to meet egress.

❶ 2U2R1C: Muller two-unit (two rows, one column).

❷ 2U1R2C: Muller two-unit (one row, two columns).

❸ 3U1R3C: Muller three-unit (one row, three columns).

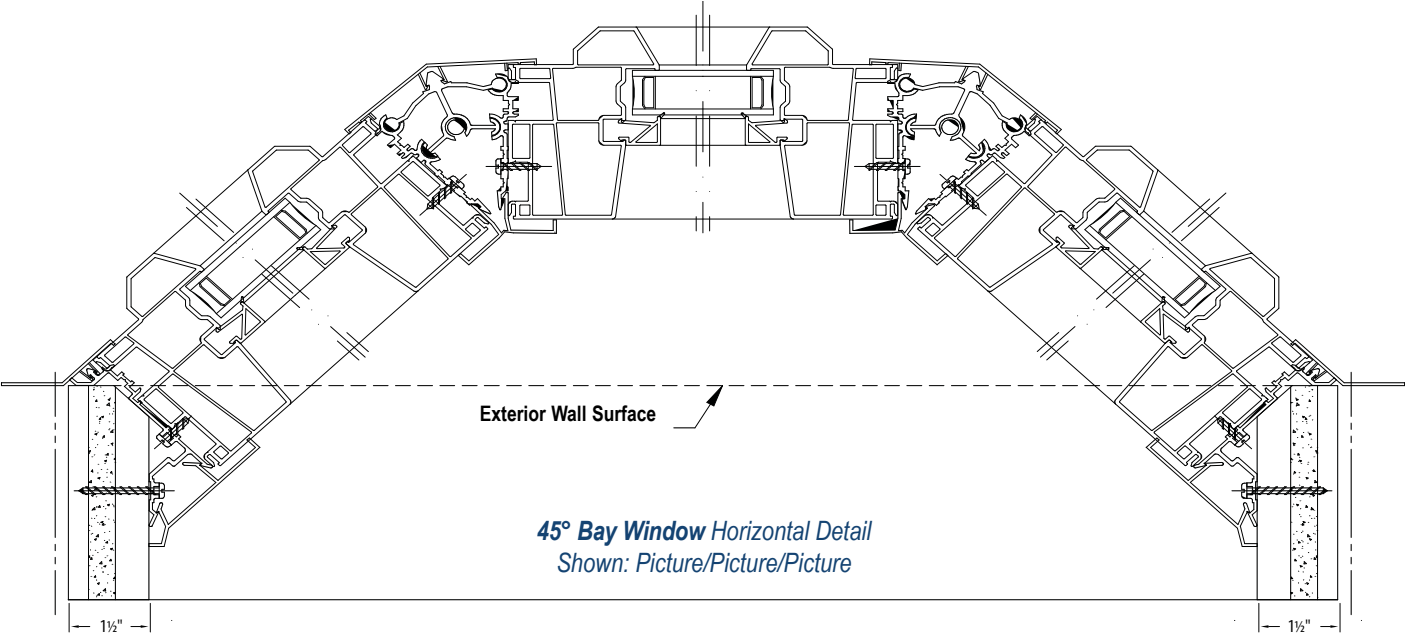
❹ Meets DP35 rating.

For the latest testing data, contact Customer Service or visit our website at [www.viwinco.com](http://www.viwinco.com).

Rough Opening	Double-Hung Bay Windows 10°, 30° and 45°						
	47-1/2" - 60"	61" - 72"	73" - 84"	85" - 96"	97" - 108"	109" - 120"	121" - 144"
32" - 40"							
41" - 50"							
51" - 60"							
61" - 70"							
71" - 80"							

Rough Opening	Casement Bay Windows 10°, 30° and 45°						
	47-1/2" - 60"	61" - 72"	73" - 84"	85" - 96"	97" - 108"	109" - 120"	121" - 144"
32" - 40"							
41" - 50"							
51" - 60"							
61" - 70"							
71" - 80"							

For Casement Bay Windows, each individual Casement unit cannot exceed 36" x 72". Each individual Casement Picture unit cannot exceed 72" x 72".

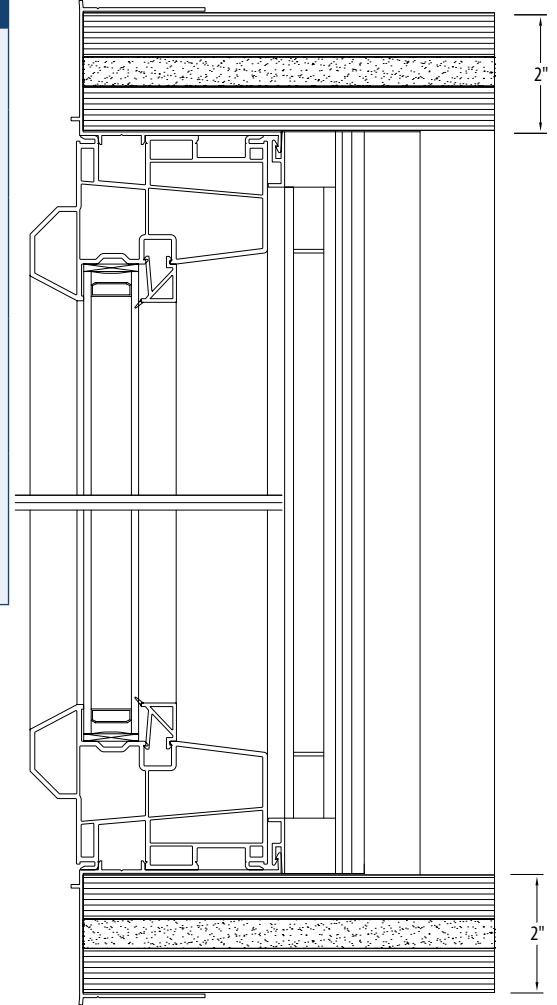


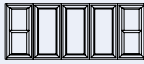
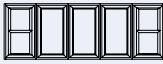
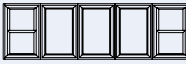








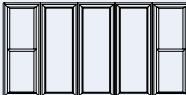



45° Bay Window Horizontal Detail  
Shown: Picture/Picture/Picture



Rough Opening	Double-Hung 3-Lite Bow Windows		Double-Hung 4-Lite Bow Windows		
	47-1/2" - 72"	73" - 91 - 1/2"	73-1/4" - 95"	96" - 120"	121" - 144"
32" - 40"					
41" - 50"					
51" - 60"					
61" - 70"					
71" - 80"					

10° Bow Window Vertical Detail













Rough Opening	Double-Hung 5-Lite Bow Windows		
	90-1/2" - 105"	106" - 120"	121" - 144"
32" - 40"			
41" - 50"			
51" - 60"			
61" - 70"			
71" - 80"			
























































































## Bays & Bows

- Design your own bay or bow unit with single-hung, double-hung, casement or picture styles. See individual size charts for dimensions, or order a custom size. Custom jamb depths and projections are available.
- 2" head and seat board are constructed of 1/2" foam insulation sandwiched between two 3/4" pieces of marine-grade plywood with birch veneer and a 10mil vinyl exterior. Paintable or stainable (oak veneer headboard and seat board also available as an upgrade).

Meets DP50 rating. Specify DP50 when ordering.

For the latest testing data, contact Customer Service or visit our website at [www.Viwinco.com](http://www.Viwinco.com).

Extended Arch and Eyebrow										
Chord Height	4⅜"	5⅞"	5⅞"	6⅝"	7⅞"	8⅞"	9"	11 ¼"	13½"	17⅞"
										
Radius	18"	21"	24"	27"	30"	32"	36"	45"	54"	
Rough Opening	24"	28"	32"	36"	40"	44"	48"	60"	72"	96"
Unit Size										

Series											
A	Shoulder Height (NET)										
	7⅞"	Eyebrow									
											
B	19⅞"	Extended Arch									
											
C	31⅞"										
D	39⅞"										
E	43⅞"										
F	47⅞"										
G	55⅞"										
H	61⅞"										
J	67⅞"										
K	79⅞"										
L	91⅞"										

Grid patterns and styles

Series A: Eyebrow

**Starburst pattern**  
Available in deluxe or flat grids between the glass.

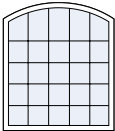
Maximum number of spokes: 5  
Minimum width for 5 spokes: 60"



Starburst

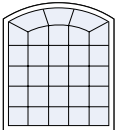
Series B to L: Extended arch

**Colonial pattern**  
Available in deluxe or flat grids between the glass.



Colonial

**Cathedral pattern**  
Available in deluxe or flat grids between the glass.





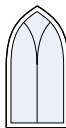
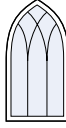
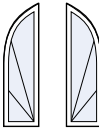
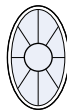
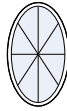
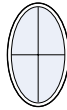
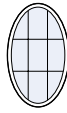


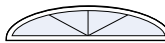
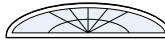
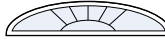















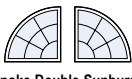
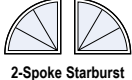


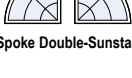

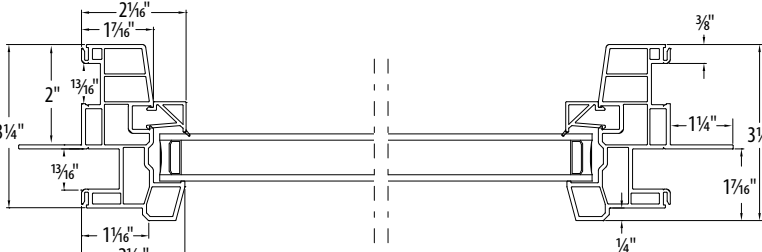


Cathedral

Rough Opening Width		24"	28"	32"	36"	40"	44"	48"	60"	72"	96"
Series											
A	Rough Opening Height	12"	12¾"	13½"	14¼"	15⅞"	15¾"	16⅞"	18⅞"	13⅞"	25⅞"
B		24"	24¾"	25½"	26¼"	27⅞"	27¾"	28⅞"	30⅞"	33⅞"	37⅞"
C		36"	36¾"	37½"	38¼"	39⅞"	39¾"	40⅞"	42⅞"	45⅞"	
D		44"	44¾"	45½"	46¼"	47⅞"	47¾"	48⅞"	50⅞"	53⅞"	
E		48"	48¾"	49½"	50¼"	51⅞"	51¾"	52⅞"	54⅞"	57⅞"	
F		52"	52¾"	53½"	54¼"	55⅞"	55¾"	56⅞"	58⅞"	61⅞"	
G		60"	60¾"	61½"	62¼"	63⅞"	63¾"	64⅞"	66⅞"		
H		66"	66¾"	67½"	68¼"	69⅞"	69¾"	70⅞"	72⅞"		
J		72"	72¾"	73½"	74¼"	75⅞"	75¾"	76⅞"			
K		84"	84¾"	85½"	86¼"	87⅞"	87¾"	88⅞"			
L		96"	96¾"	97½"	98¼"						

Rough opening height above equals shoulder height plus chord height plus ½".



Circle	Gothic/ Half-Gothic	Oval/ Half-Oval	Elliptical	Octagon	Half-Round	Quarter-Round <sup>①</sup>
<div></div> <div>Sunburst</div> <div></div> <div>Starburst<sup>②</sup></div> <div></div> <div>Colonial Four-Lite</div> <div></div> <div>Colonial Nine-Lite</div> <div><div>SizeUnit Dimensions</div><div>CI242423½" x 23½"</div><div>CI303029½" x 29½"</div><div>CI363635½" x 35½"</div></div>	<div></div> <div>One-Stem Tracery<sup>③</sup></div> <div></div> <div>Two-Stem Tracery<sup>③</sup></div> <div><div>SizeUnit Dimensions</div><div>GO183617½" x 35½"</div><div>GO204019½" x 39½"</div><div>GO224421½" x 43½"</div><div>GO244823½" x 47½"</div><div>GO285627½" x 55½"</div><div>GO306029½" x 59½"</div><div>GO367235½" x 71½"</div></div> <div><b>Half-Gothic</b></div> <div></div> <div>Starburst<sup>④⑤</sup></div> <div><div>SizeUnit Dimensions</div><div>HGO185417½" x 53½"</div><div>HGO226021½" x 59½"</div><div>HGO266625½" x 65½"</div><div>HGO287227½" x 71½"</div></div>	<div></div> <div>Sunburst</div> <div></div> <div>Starburst<sup>②</sup></div> <div></div> <div>Colonial Four-Lite</div> <div></div> <div>Colonial Nine-Lite*</div> <div><div>SizeUnit Dimensions</div><div>OV243623½" x 35½"</div><div>OV365635½" x 55½"</div></div> <div><b>Half-Oval</b></div> <div></div> <div>Sunburst</div> <div></div> <div>Starburst</div> <div><div>SizeUnit Dimensions</div><div>HOV241823½" x 17½"</div><div>HOV362835½" x 27½"</div></div>	<div></div> <div>Starburst 3-Spoke</div> <div></div> <div>Sunstar 5-Spoke<sup>⑥</sup></div> <div></div> <div>Sunburst 5-Spoke<sup>⑥</sup></div> <div><div>SizeUnit Dimensions</div><div>EL601859½" x 17½"</div><div>EL722071½" x 19½"</div><div>EL842083½" x 19½"</div><div>EL962095½" x 19½"</div></div> <div>For standard and custom orders, the maximum number of spokes is 5.</div>	<div></div> <div>Sunburst</div> <div></div> <div>Colonial Four-Lite</div> <div></div> <div>Colonial Nine-Lite</div> <div><div>SizeUnit Dimensions</div><div>OT242423½" x 23½"</div><div>OT323231½" x 31½"</div><div>OT363635½" x 35½"</div></div>	<div></div> <div>Sunburst<sup>⑥</sup></div> <div></div> <div>Double-Sunburst<sup>④</sup></div> <div></div> <div>Triple-Sunburst<sup>⑥</sup></div> <div></div> <div>5-Spoke Sunburst<sup>⑥</sup></div> <div></div> <div>5-Spoke Double-Sunburst<sup>④</sup></div> <div></div> <div>5-Spoke Triple-Sunburst<sup>⑥</sup></div> <div></div> <div>Starburst</div> <div></div> <div>5-Spoke Starburst<sup>⑥</sup></div> <div></div> <div>Sunstar<sup>⑥</sup></div> <div></div> <div>Double-Sunstar<sup>④</sup></div> <div></div> <div>5-Spoke Triple-Sunstar<sup>⑥</sup></div> <div><div>SizeUnit Dimensions</div><div>HR241223½" x 11½"</div><div>HR281427½" x 13½"</div><div>HR301529½" x 14½"</div><div>HR321631½" x 15½"</div><div>HR361835½" x 17½"</div><div>HR402039½" x 19½"</div><div>HR442243½" x 21½"</div><div>HR482447½" x 23½"</div><div>HR562855½" x 27½"</div><div>HR603059½" x 29½"</div><div>HR643263½" x 31½"</div><div>HR723671½" x 35½"</div><div>HR743773½" x 36½"</div></div> <div>For standard and custom orders, the maximum number of spokes is 5.</div>	<div></div> <div>2-Spoke Sunburst</div> <div></div> <div>2-Spoke Double-Sunburst<sup>④</sup></div> <div></div> <div>2-Spoke Starburst</div> <div></div> <div>1-Spoke Sunstar</div> <div></div> <div>2-Spoke Sunstar</div> <div></div> <div>1-Spoke Double-Sunstar<sup>④</sup></div> <div></div> <div>2-Spoke Double-Sunstar<sup>④</sup></div> <div><div>Size (LEFT)Unit Dimensions</div><div>QRL202019½" x 19½"</div><div>QRL242423½" x 23½"</div><div>QRL282827½" x 27½"</div><div>QRL303029½" x 29½"</div><div>QRL323231½" x 31½"</div><div>QRL363635½" x 35½"</div><div>(left as viewed from outside)</div><div>Size (RIGHT)Unit Dimensions</div><div>QRR202019½" x 19½"</div><div>QRR242423½" x 23½"</div><div>QRR282827½" x 27½"</div><div>QRR303029½" x 29½"</div><div>QRR323231½" x 31½"</div><div>QRR363635½" x 35½"</div><div>(right as viewed from outside)</div></div>
<div><b>Custom Shapes</b></div> <div>Traditional rectangular, trapezoid, parallelogram, and other shapes utilizing fixed frames are available</div> <div><div>Geometric Windows, Extended Arch and Eyebrow Horizontal Detail</div><div></div></div>						

Fixed extended arch and eyebrow windows have an interior frame depth of 2" and an exterior projection from the nail fin of 1-3/4".

Callout sizes are expressed in inches (width) and equal rough opening.

Geometric windows have an interior frame depth of 2"; exterior projection of the frame is 1-3/16" from the nail fin.

Callout sizes are expressed in inches (width x height) and equal rough opening.

Unless otherwise noted, patterns are available in deluxe or flat grids between the glass.

**Note:** When geometric and picture windows are milled together, sightlines will not be even.

① Specify left-hand or right-hand as viewed from the exterior.

② Available with flat grids between the glass only.

③ Starburst, Sunburst, and Sunstar (5-spoke) patterns: minimum window size is 60" for either deluxe or flat grids.









































④ Double-Sunburst and Double-Sunstar patterns: minimum window size is 48" for either deluxe or flat grids.

⑤ Sunstar and Sunburst (3-spoke) patterns: minimum window size is 28" for deluxe grids.

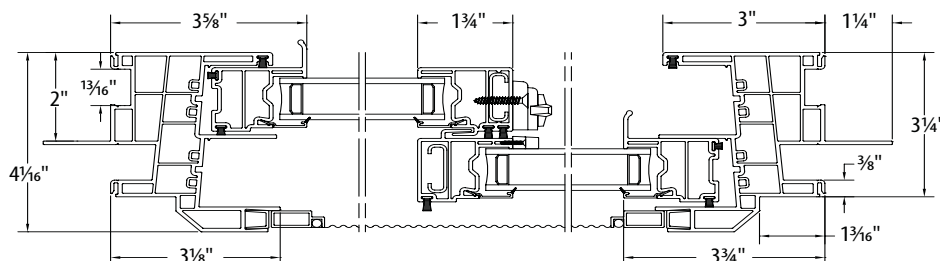
⑥ Triple-Sunstar and Triple-Sunburst patterns: minimum window size is 72" for either deluxe or flat grids.





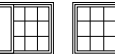

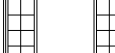

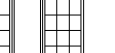
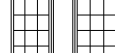
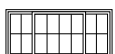




■ All sizes shown meet DP50 rating.

For the latest testing data, contact Customer Service or visit our website at [www.Viwinco.com](http://www.Viwinco.com).

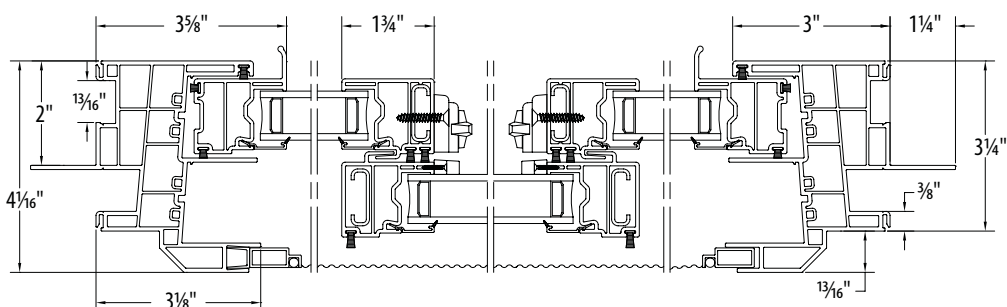
Rough Opening				Double Sliders							
				24"	36"	48"	54"	60"	72"	84"	96"
Unit Size				23½"	35½"	47½"	53½"	59½"	71½"	83½"	95½"
Sash Opening				5⅝"	11⅜"	17⅜"	20⅜"	23⅜"	29⅜"	35⅜"	41⅜"
Visible Glass-Sash				7⅞"	13⅞"	19⅞"	22⅞"	25⅞"	31⅞"	37⅞"	43⅞"
24"	23½"	17⅜"	14⅜"	 2SL2424	 2SL3624	 2SL4824	 2SL5424	 2SL6024	 2SL7224	 2SL8424	 2SL9624
	36"	29⅜"	26⅜"	 2SL2436	 2SL3636	 2SL4836	 2SL5436	 2SL6036	 2SL7236 ①	 2SL8436 ①	 2SL9636 ①
	42"	35⅜"	32⅜"	 2SL2442	 2SL3642	 2SL4842	 2SL5442	 2SL6042 ①	 2SL7242 ①	 2SL8442 ①	 2SL9642 ①
	48"	41⅜"	38⅜"	 2SL2448	 2SL3648	 2SL4848	 2SL5448 ①	 2SL6048 ①	 2SL7248 ①	 2SL8448 ①	 2SL9648 ①
60"	59½"	53⅜"	50⅜"	 2SL2460	 2SL3660	 2SL4860	 2SL5460 ①	 2SL6060 ①	 2SL7260 ①	 2SL8460 ①	 2SL9660 ①

Double Slider  
Horizontal Detail



















































































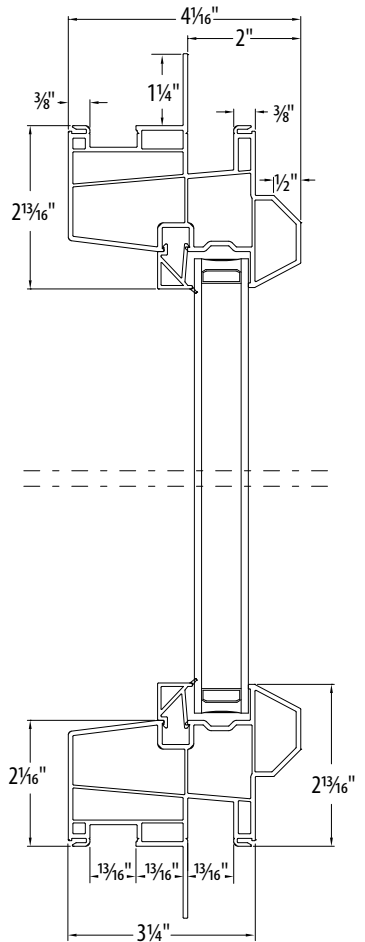
Rough Opening				3-Lite End-Vent Slider (XOX)®				
				72"	84"	96"	108"	120"
Unit Size				71½"	83½"	95½"	107½"	119½"
Sash Opening				15⅝"	18⅝"	21⅝"	24⅝"	27⅝"
Total Visible Glass				60⅞"	72⅞"	84⅞"	96⅞"	108⅞"
36"	35½"	29⅜"	26½"	 3SL7236	 3SL8436	 3SL9636	 3SL10836	 3SL12036
	48"	41⅜"	38½"	 3SL7248	 3SL8448	 3SL9648 ①	 3SL10848 ①	 3SL12048 ①
	60"	53⅜"	50½"	 3SL7260	 3SL8460	 3SL9660 ①	 3SL10860 ①	 3SL12060 ①


































3-Lite End-Vent Slider (XOX)®  
Horizontal Detail





Rough Opening			Picture									
			12"	20"	24"	28"	32"	36"	40"	44"	48"	60"
Unit Size			11½"	19½"	23½"	27½"	31½"	35½"	39½"	43½"	47½"	59½"
Visible Glass			5¾"	13¾"	17¾"	21¾"	25¾"	29¾"	33¾"	37¾"	41¾"	53¾"
36"	35½"	29¾"										
42"	41½"	35¾"										
44"	43½"	37¾"										
48"	47½"	41¾"										
52"	51½"	45¾"										
60"	59½"	53¾"										
66"	65½"	59¾"										
72"	71½"	65¾"										

Picture & Transom  
Vertical Detail


Rough Opening			Transom										
			28"	30"	32"	36"	40"	44"	48"	52"	56"	64"	72"
Unit Size			27½"	29½"	31½"	35½"	39½"	43½"	47½"	51½"	55½"	63½"	71½"
Visible Glass			21¾"	23¾"	25¾"	29¾"	33¾"	37¾"	41¾"	45¾"	49¾"	57¾"	65¾"
12"	11½"	5¾"											
			TSM2812z	TSM3012	TSM3212	TSM3612	TSM4012	TSM4412	TSM4812	TSM5212	TSM5612	TSM6412	TSM7212
18"	17½"	11¾"											
			TSM2818	TSM3018	TSM3218	TSM3618	TSM4018	TSM4418	TSM4818	TSM5218	TSM5618	TSM6418	TSM7218
24"	23½"	17¾"											
			TSM2824	TSM3024	TSM3224	TSM3624	TSM4024	TSM4424	TSM4824	TSM5224	TSM5624	TSM6424	TSM7224

Callout sizes are expressed in inches (width x height) and equal rough opening.

Slider, picture, and transom windows have an interior frame depth of 2"; exterior projection of the frame is 1-3/16" from the nail fin.

When mulling a unit to a slider, picture, or transom overall rough opening is not affected by the mullion.

Half-screen is standard for 2-lite sliders and a screen for each operable flanker is standard for 3-lite end-vent sliders.

● Meets egress of:

Clear opening area ≥ 5.7 sq. ft.

Clear opening width ≥ 20"

















































































Clear opening height ≥ 24"

● 3-lite end-vent sliders:

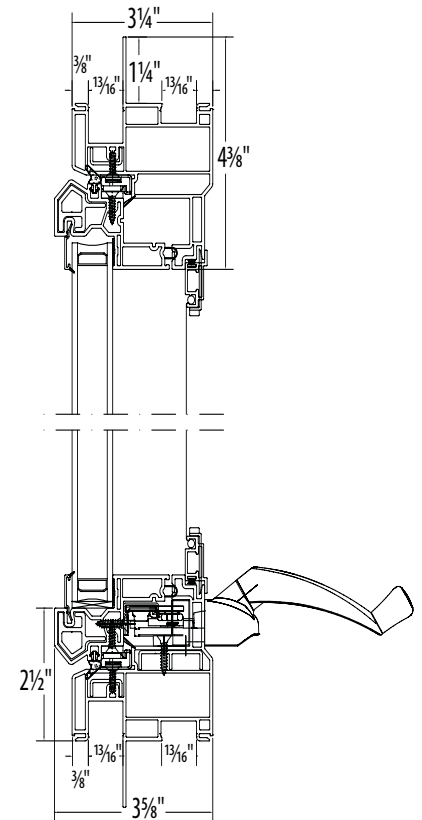
- Fixed center window is 50% of the total unit with operable sashes 25% each
- Equal-sash 3-lite end-vent slider is also available (XOX option only). Each sash is 33.3% of the total window unit
- All grid choices are available in the fixed center window

■ Meets DP50 rating. Specify DP50 when ordering.

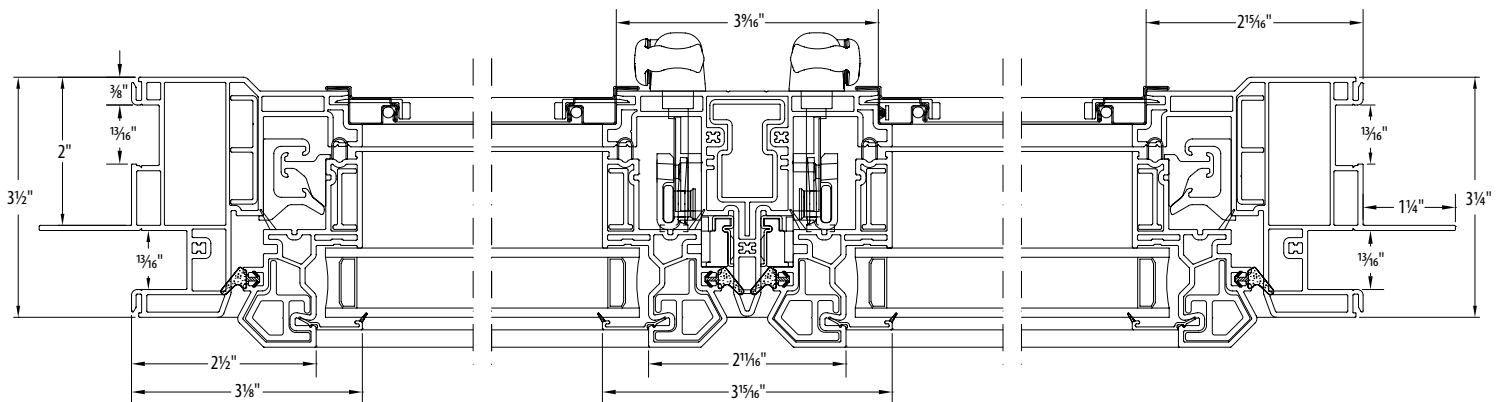
For the latest testing data, contact Customer Service or visit our website at [www.Viwinco.com](http://www.Viwinco.com).

Rough Opening	Casement						Twin Casement				
	18"	20"	24"	28"	30"	36"	36"	40"	48"	56"	72"
Unit Size	17½"	19½"	23½"	27½"	29½"	35½"	35½"	39½"	47½"	55½"	71½"
Sash Opening	4⅞"	6⅞"	10⅞"	14⅞"	16⅞"	22⅞"	4⅞"	6⅞"	10⅞"	14⅞"	22⅞"
Visible Glass-Sash	11¼"	13¼"	17¼"	21¼"	23¼"	29¼"	11¼"	13¼"	17¼"	21¼"	29¼"
24"				—	—	—	—	—	—	—	—
	CX1824	CX2024	CX2424								
36"											
	CX1836	CX2036	CX2436	CX2836	CX3036	CX3636	WW2U3636	WW2U4036	WW2U4836	WW2U5636	WW2U7236
42"											
	CX1842	CX2042	CX2442	CX2842	CX3042	CX3642	WW2U3642	WW2U4042	WW2U4842	WW2U5642	WW2U7242
48"											
	CX1848	CX2048	CX2448	CX2848	CX3048	CX3648	WW2U3648	WW2U4048	WW2U4848	WW2U5648	WW2U7248
52"											
	CX1852	CX2052	CX2452	CX2852	CX3052	CX3652	WW2U3652	WW2U4052	WW2U4852	WW2U5652	WW2U7252
60"											
	CX1860	CX2060	CX2460	CX2860	CX3060	CX3660	WW2U3660	WW2U4060	WW2U4860	WW2U5660	WW2U7260
66"											
	CX1866	CX2066	CX2466	CX2866	CX3066	CX3666	WW2U3666	WW2U4066	WW2U4866	WW2U5666	WW2U7266
72"											
	CX1872	CX2072	CX2472	CX2872	CX3072	CX3672	WW2U3672	WW2U4072	WW2U4872	WW2U5672	WW2U7272

Casement Cross-Sectional Head & Sill Detail



Twin Casement Cross-Sectional Jamb Detail with Integral Mullion



Callout sizes are expressed in inches and equal rough opening.  
Casement and awning windows have an interior frame depth of 2" and an exterior projection of 1-5/8" from the nail fin.

When mulling a unit to a casement, overall rough opening is not affected by the mullion.

Meets egress of:

- Clear opening area ≥ 5.7 sq. ft.
- Clear opening width ≥ 20"
- Clear opening height ≥ 24"

- All windows that can meet egress with egress hardware will automatically be manufactured to meet egress.

Meets DP50 rating. Specify DP50 when ordering.

For the latest testing data, contact Customer Service.



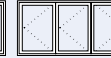
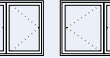
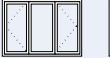



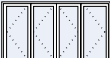














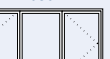













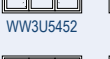

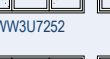
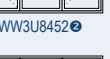



















Colonial casement grid pattern option available for single casements and twin casement sizes.

Colonial casements are designed to mimic the look of double-hung and single-hung windows but offer the larger opening of a casement. To order: Single casement - use the callout prefix CCX. Twin casement - use the callout prefix TCCX.

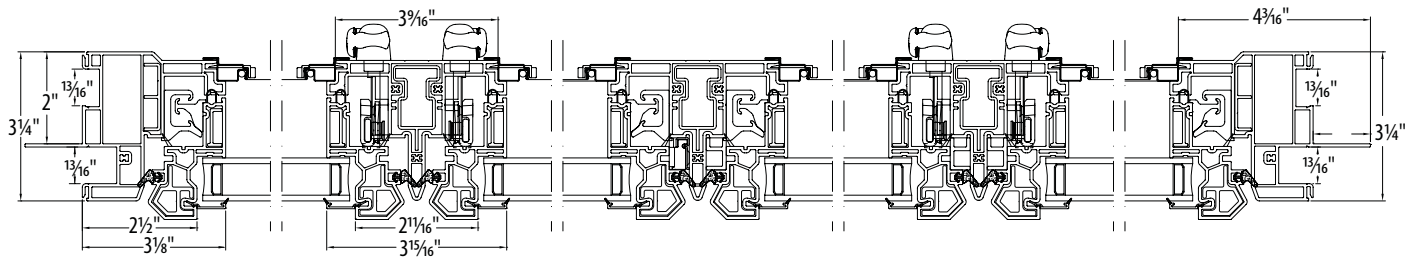
Consult Customer Service for the exact grid pattern. Final grid layout to be approved by customer.

For the latest testing data, contact Customer Service or visit our website at [www.Viwinco.com](http://www.Viwinco.com).

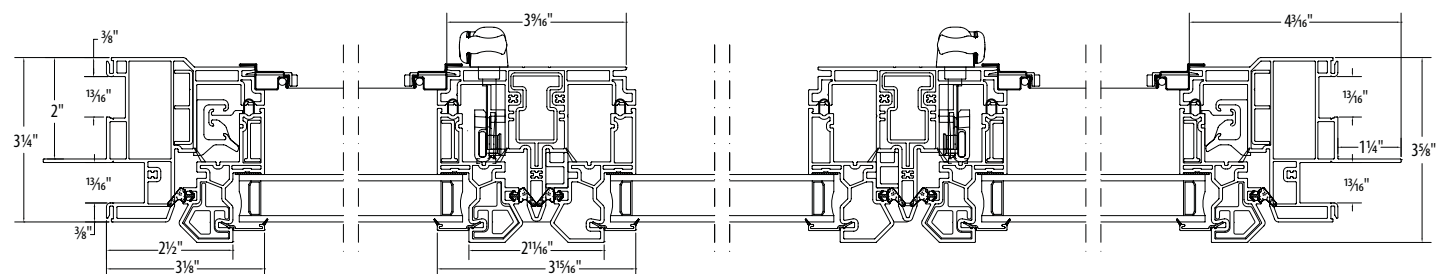


























































Rough Opening					Quad Casement					Casement/Picture/Casement				
					72"	80"	96"	112"		54"	60"	72"	84"	108"
Unit Size					71½"	79½"	95½"	111½"		53½"	59½"	71½"	83½"	107½"
Sash Opening					47⁄8"	67⁄8"	107⁄8"	147⁄8"		47⁄8"	67⁄8"	107⁄8"	147⁄8"	227⁄8"
Visible Glass-Sash					11¼"	13¼"	17¼"	21¼"		11¼"	13¼"	17¼"	21¼"	29¼"
24"	23½"	17¼"	17¼"		—	—	—	—		—	—	—	—	—
36"	35½"	29¼"	29¼"											—
42"	41½"	35¼"	35¼"											—
48"	47½"	41¼"	41¼"											—
52"	51½"	45¼"	45¼"											
60"	59½"	53⁹⁄₁₆"	53¼"											
66"	65½"	58¼"	58¼"											
72"	71½"	65¼"	65¼"											

Quad Casement Cross-Sectional Jamb Detail with Integral Mullions

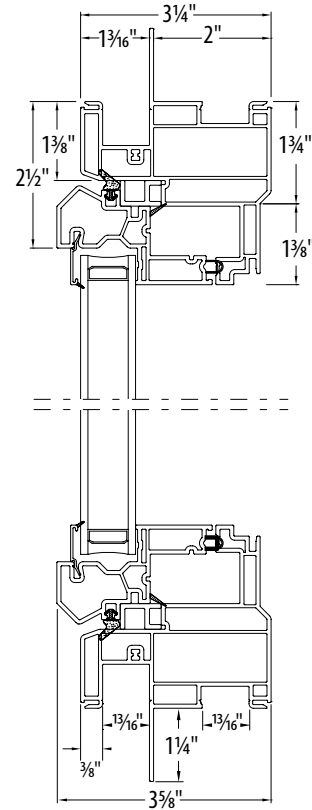
































Casement/Picture/Casement Cross-Sectional Jamb Detail with Integral Mullions



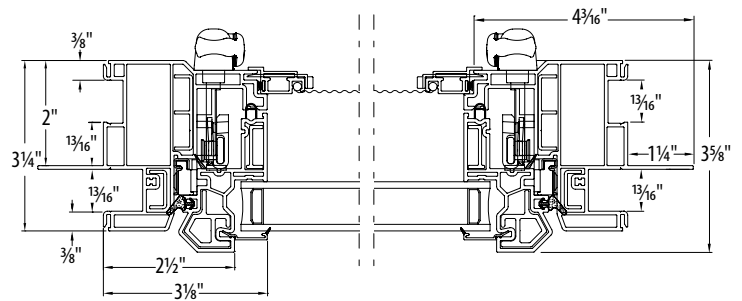
Rough Opening			Casement Picture Fixed							
			20"	24"	28"	30"	36"	42"	48"	60"
Unit Size			19½"	23½"	27½"	29½"	35½"	41½"	47½"	59½"
Visible Glass			13¼"	17¼"	21¼"	23¼"	29¼"	35¼"	41¼"	53¼"
36"	35½"	29½"	 CPX2036	 CPX2436	 CPX2836	 CPX3036	 CPX3636	 CPX4236	 CPX4836	 CPX6036
42"	41½"	35¼"	 CPX2042	 CPX2442	 CPX2842	 CPX3042	 CPX3642	 CPX4242	 CPX4842	 CPX6042
48"	47½"	41¼"	 CPX2048	 CPX2448	 CPX2848	 CPX3048	 CPX3648	 CPX4248	 CPX4848	 CPX6048
52"	51½"	45¼"	 CPX2052	 CPX2452	 CPX2852	 CPX3052	 CPX3652	 CPX4252	 CPX4852	 CPX6052
60"	59½"	53¼"	 CPX2060	 CPX2460	 CPX2860	 CPX3060	 CPX3660	 CPX4260	 CPX4860	 CPX6060
66"	65½"	59¼"	 CPX2066	 CPX2466	 CPX2866	 CPX3066	 CPX3666	 CPX4266	 CPX4866	 CPX6066
72"	71½"	65¼"	 CPX2072	 CPX2472	 CPX2872	 CPX3072	 CPX3672	 CPX4272	 CPX4872	 CPX6072

**Casement Picture (Fixed)  
Cross-Sectional Head  
and Sill Detail**



Rough Opening			Awning					
			24"	36"	40"	48"	56"	60"
Unit Size			23½"	35½"	39½"	47½"	55½"	59½"
Visible Glass			17¼"	29¼"	33¼"	41¼"	49¼"	53¼"
18"	17½"	11¼"	 AX2418	 AX3618	 AX4018	 AX4818	 AX5618	 AX6018
20"	19½"	13¼"	 AX2420	 AX3620	 AX4020	 AX4820	 AX5620	 AX6020
24"	23½"	17¼"	 AX2424	 AX3624	 AX4024	 AX4824	 AX5624	 AX6024
28"	27½"	21¼"	 AX2428	 AX3628	 AX4028	 AX4828	 AX5628	 AX6028
36"	35½"	29¼"	 AX2436	 AX3636	 AX4036	 AX4836	 AX5636	 AX6036


**Awning Cross-Sectional Jamb Detail**



Callout sizes are expressed in inches and equal rough opening.

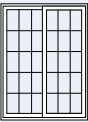

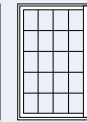
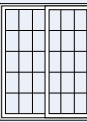
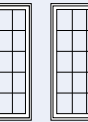
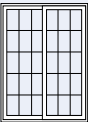

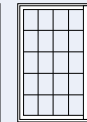
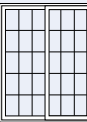
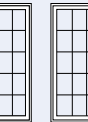
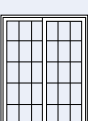
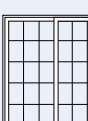
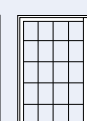
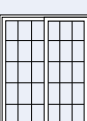
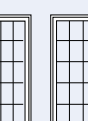
Casement and awning windows have an interior frame depth of 2" and an exterior projection of 1-5/8" from the nail fin.

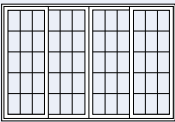
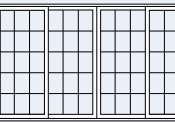
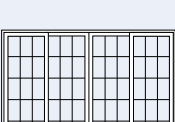
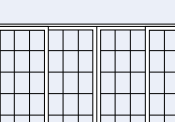
When mulling a unit to a casement or awning, overall rough opening is not affected by the mullion.

 Meets DP50 rating. Specify DP50 when ordering.

For the latest testing data, contact Customer Service or visit our website at [www.viwinco.com](http://www.viwinco.com).

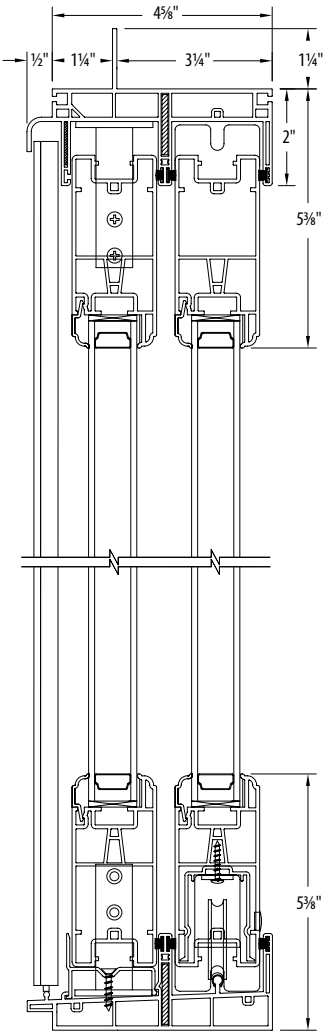


Rough Opening		Patio Door - 2-Panel (XO/OX) Vinyl or Aluminum Sill			Patio Door - 3-Panel (OXO) Vinyl or Aluminum Sill	
		60"	72"	96"	90"	108"
Unit Size		59½"	71½"	95½"	89½"	107½"
80"	79½"	 PD26080	 PD27280	 PD29680	 PD39080	 PD310880
	81½"	 PD26082	 PD27282	 PD29682	 PD39082	 PD310882
	95½"	 PD26096	 PD27296	 PD29696	 PD39096	 PD310896

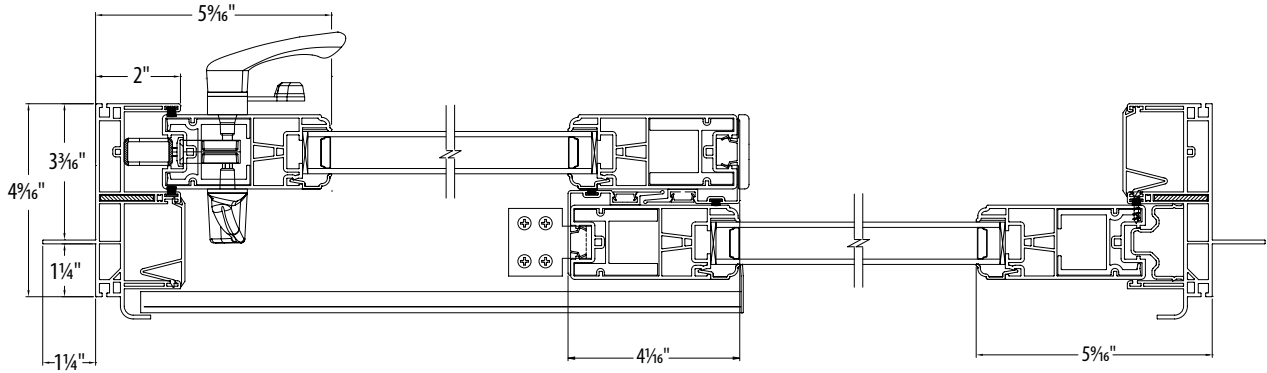
Rough Opening		Patio Door - 4-Panel (OXXO)	
		118"	144"
Unit Size		117½"	143½"
80"	79½"	 PD411880	 PD414480
	81½"	 PD411882	 PD414482

NOTE: Meets DP50 rating with vinyl sill only

Patio Door Cross-Sectional Head and Sill Detail



Patio Door Cross-Sectional Jamb Detail



Callout sizes are expressed in inches and equal rough opening.










Patio doors have an interior frame depth of 3-3/8" and an exterior projection of 1-1/2" from the nail fin.

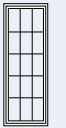

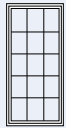

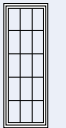
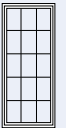
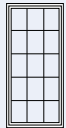

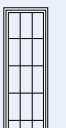
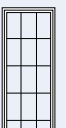
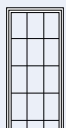

Patio doors are not field reversible.

Two-point lock with adjustable strikes on all patio doors.

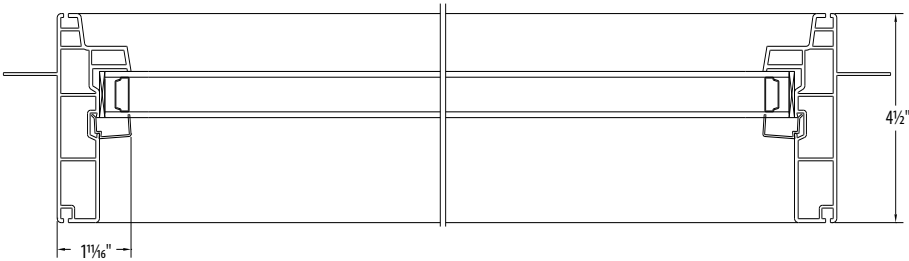
Meets DP50 rating. Specify DP50 when ordering.




For the latest testing data, contact Customer Service or visit our website at [www.Viwinco.com](http://www.Viwinco.com).




Rough Opening		Patio Door Transom		
		60"	72"	96"
Unit Size		59½"	71½"	97½"
16"	15½"	 PDTSM6016	 PDTSM7216	 PDTSM9616 ②
	20"	 PDTSM6020	 PDTSM7220	 PDTSM9620 ②
	24"	 PDTSM6024 ②	 PDTSM7224 ②	 PDTSM9624 ②

Rough Opening		Patio Door Sidelite			
		32"	38"	42"	48"
Unit Size		31½"	37½"	41½"	47½"
80"	79½"	 PDSL3280 ②	 PDSL3880 ②	 PDSL4280 ②	 PDSL4880 ②
	82"	 PDSL3282 ②	 PDSL3882 ②	 PDSL4282 ②	 PDSL4882 ②
96"	95½"	 PDSL3296 ②	 PDSL3896 ②	 PDSL4296 ②	 PDSL4896 ②

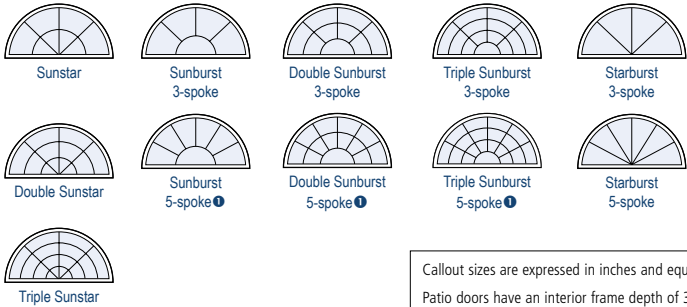
Patio Door Transom Cross-Sectional Jamb Detail



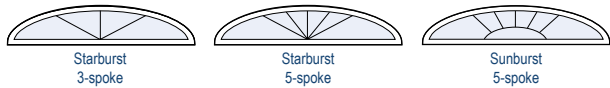
Rough Opening		Geometric shapes for patio doors—half-round		
		60"	72"	96"
Unit Size		59½"	71½"	95½"
30"	29½"	 PDHR6030 ②		
	36"		 PDHR7236 ②	
	48"			 PDHR9648 ②

Rough Opening		Geometric shapes for patio doors—elliptical		
		60"	72"	96"
Unit Size		59½"	71½"	95½"
18"	17½"	 PDEL6018		
	20"		 PDEL7220	 PDEL9620 ②

Grid patterns for geometric shapes—half-round



Grid patterns for geometric shapes—elliptical



Callout sizes are expressed in inches and equal rough opening.  
Patio doors have an interior frame depth of 3-3/8" and an exterior projection of 1-1/2" from the nail fin.

Transoms and sidelites have an interior frame depth of 3-3/8" and an exterior projection of 1-3/8" from the nail fin.

When mulling a transom or sidelite to a patio door, add 1" to the overall rough opening total unit dimension for each mullion.

Patio doors are not field reversible.

Two-point lock with adjustable strikes on all patio doors.

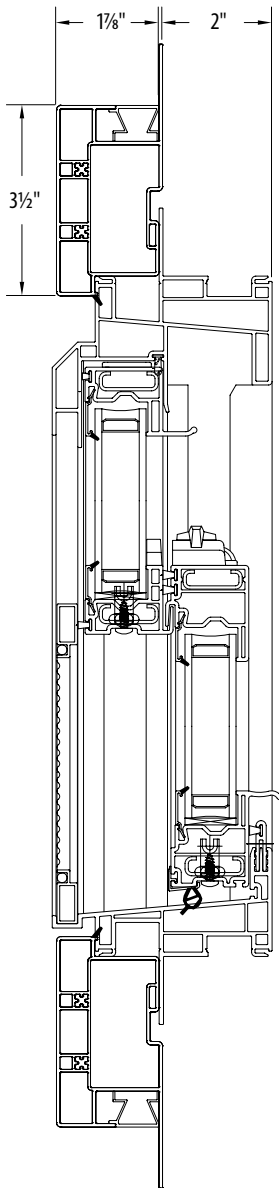
① 5-spoke starburst pattern: Minimum window size is 60" for either deluxe or flat grids.

② If sidelite is mullied to a patio door, the unit will not meet DP50.

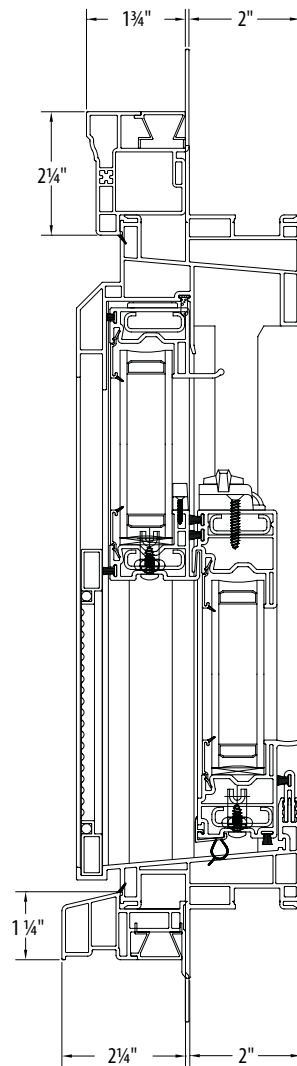
③ Meets DP50 rating. Specify DP50 when ordering.

For the latest testing data, contact Customer Service or visit our website at [www.viwinco.com](http://www.viwinco.com).

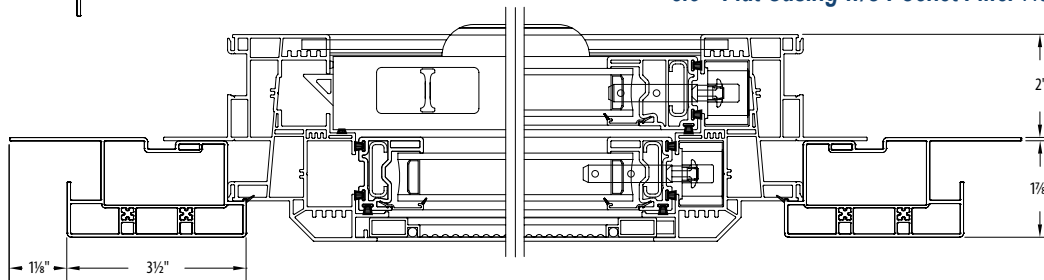
**3.5" Flat Casing Picture Frame w/ Pocket Filler**  
Vertical Detail



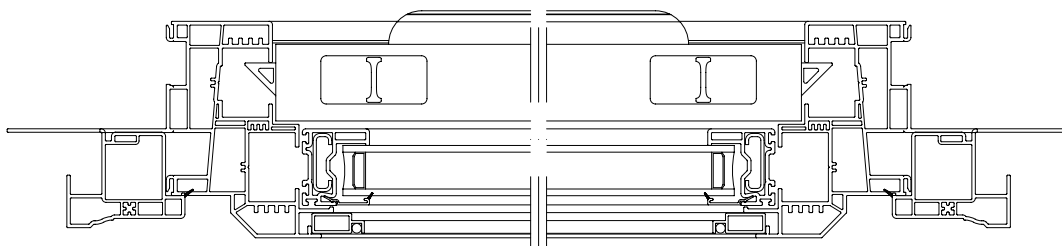
**Brick Mold Casing w/ Bullnose Sill and Pocket Filler**  
Vertical Detail



**3.5" Flat Casing w/o Pocket Filler Horizontal Detail**



**Brick Mold Casing w/o Pocket Filler Horizontal Detail**





## STANDARD Glass Package Thermal Data

Glazing	Window Style	Individual Unit Size	Total Unit U-Value <sup>1</sup>	Visible Light Transmittance <sup>2</sup>		Daylight Transmittance <sup>3</sup>	Tdw-ISO <sup>4</sup>	SHGC <sup>5</sup>		Condensation Resistance <sup>6</sup>
				Grids	No Grids			Grids	No Grids	
Standard	SS Double-hung	47-1/4" x 59"	0.29	0.41	0.46	64%	0.559	0.18	0.20	57
High-Performance	BC Double-hung	47-1/4" x 59"	0.28	0.43	0.49	64%	0.568	0.19	0.21	59
Glass Package with low-e, low-conductance spacer, and argon fill.	SS Single-hung	47-1/4" x 59"	0.28	0.41	0.46	64%	0.559	0.18	0.20	56
	BC Single-hung	47-1/4" x 59"	0.28	0.43	0.49	64%	0.568	0.19	0.21	59
	Picture	47-1/4" x 59"	0.26	0.45	0.51	64%	0.559	0.20	0.22	61
	Geometric	47-1/4" x 59"	0.25	0.48	0.54	64%	0.559	0.21	0.23	62
	Casement	23-3/4" x 59"	0.28	0.38	0.42	64%	0.559	0.17	0.19	59
	Casement Picture	23-3/4" x 59"	0.26	0.44	0.50	64%	0.559	0.19	0.21	59
	Awning	23-1/4" x 59"	0.29	0.38	0.42	64%	0.559	0.17	0.19	55
	Slider	59" x 47-1/4"	0.28	0.41	0.46	64%	0.559	0.18	0.20	60
	Vinyl Sill Patio Door	79" x 78-3/4"	0.31	0.39	0.45	64%	0.559	0.17	0.20	56
	Aluminum Sill Patio Door	79" x 78-3/4"	0.32	0.39	0.45	64%	0.559	0.17	0.20	52

## NORTHERN ZONE Glass Package Thermal Data

Glazing	Window Style	Individual Unit Size	Total Unit U-Value <sup>1</sup>	Visible Light Transmittance <sup>2</sup>		Daylight Transmittance <sup>3</sup>	Tdw-ISO <sup>4</sup>	SHGC <sup>5</sup>		Condensation Resistance <sup>6</sup>
				Grids	No Grids			Grids	No Grids	
Standard	SS Double-hung	47-1/4" x 59"	0.29	0.46	0.52	71%	0.559	0.38	0.42	57
High-Performance	BC Double-hung	47-1/4" x 59"	0.29	0.48	0.54	71%	0.568	0.40	0.44	59
Glass Package with low-e, low-conductance spacer, and argon fill.	SS Single-hung	47-1/4" x 59"	0.30 no grids 0.29 w/grids	0.45	0.51	71%	0.559	0.38	0.42	56
	BC Single-hung	47-1/4" x 59"	0.29	0.48	0.54	71%	0.568	0.40	0.44	59
	Picture	47-1/4" x 59"	0.27	0.50	0.56	71%	0.559	0.42	0.46	61
	Geometric	47-1/4" x 59"	0.26	0.55	0.61	71%	0.559	0.30	0.33	62
	Casement	23-3/4" x 59"	0.29	0.42	0.47	71%	0.559	0.37	0.39	59
	Casement Picture	23-3/4" x 59"	0.26	0.50	0.56	71%	0.559	0.27	0.30	59
	Awning	23-1/4" x 59"	0.29	0.42	0.47	71%	0.559	0.37	0.39	55
	Slider	59" x 47-1/4"	0.29	0.43	0.49	71%	0.559	0.37	0.40	60
	Vinyl Sill Patio Door	79" x 78-3/4"	0.31	0.43	0.50	71%	0.559	0.36	0.41	56
	Aluminum Sill Patio Door	79" x 78-3/4"	0.33	0.43	0.50	71%	0.559	0.36	0.41	52

All thermal and sound testing is done in accordance with required NFRC sizing.

## Sound Transmission

Window Style	Unit Size	IG Unit	Glazing	STC	OITC
SS Double-hung	47-1/4" x 59"	15/16"	1/8" annealed, 11/16" argon, 1/8" annealed	27	22
BC Double-hung	47-1/4" x 59"	3/4"	1/8" annealed, 1/2" argon, 1/8" annealed	28	22
SS Single-hung	47-1/4" x 59"	15/16"	1/8" annealed, 11/16" argon, 1/8" annealed	27	22
BC Single-hung	47-1/4" x 59"	3/4"	1/8" annealed, 1/2" argon, 1/8" annealed	27	23
Picture	47-1/4" x 59"	15/16"	1/8" annealed, 11/16" argon, 1/8" annealed	31	25
Geometric	47-1/4" x 59"	7/8"	1/8" annealed, 11/16" argon, 1/8" annealed	31	25
Casement	23-3/4" x 59"	15/16"	1/8" annealed, 11/16" argon, 1/8" annealed	28	21
Awning	23-3/4" x 59"	15/16"	1/8" annealed, 11/16" argon, 1/8" annealed	28	21
Slider	59" x 47-1/4"	15/16"	1/8" annealed, 11/16" argon, 1/8" annealed	27	22
Patio door	78-3/4" x 78-3/4"	1"	1/8" tempered, 3/4" argon, 1/8" tempered	29	23

Modifications: none. STC rating was calculated in accordance with ASTM E 413.

❶ Windows tested per NFRC 100. Data applies to double-paned insulating glass units using double-strength glass with an 11/16" air space, except patio door with a 3/4" air space.

❷ Tested using GED's Intercept® ULTRA low-conductance warm-edge spacer system. Calculations provided by Lawrence Berkeley Laboratory Window 5.2® and Optics5 software based on a 15/16" IG window unit and a 1" IG patio door unit.

❸ Daylight Transmittance measures the performance of the glass only.

❹ International Standards Organization Damage Weighted Transmission Rating (Tdw-ISO)

calculations performed by Lawrence Berkeley Laboratory Windows 5.2® software and is weighted using recommended International Commission on Illumination (CIE) standards.

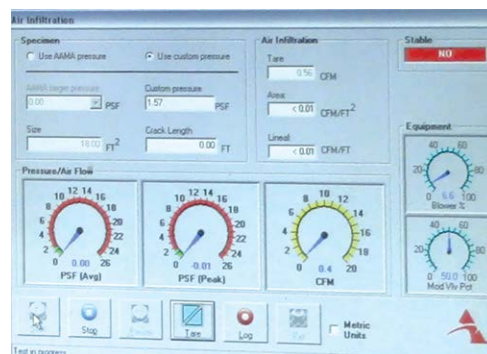
❺ Solar Heat Gain Coefficient (SHGC) tested in accordance with NFRC 200. This value varies by style, glazing system, and grids.

❻ Condensation Resistance is tested in accordance with NFRC 500.

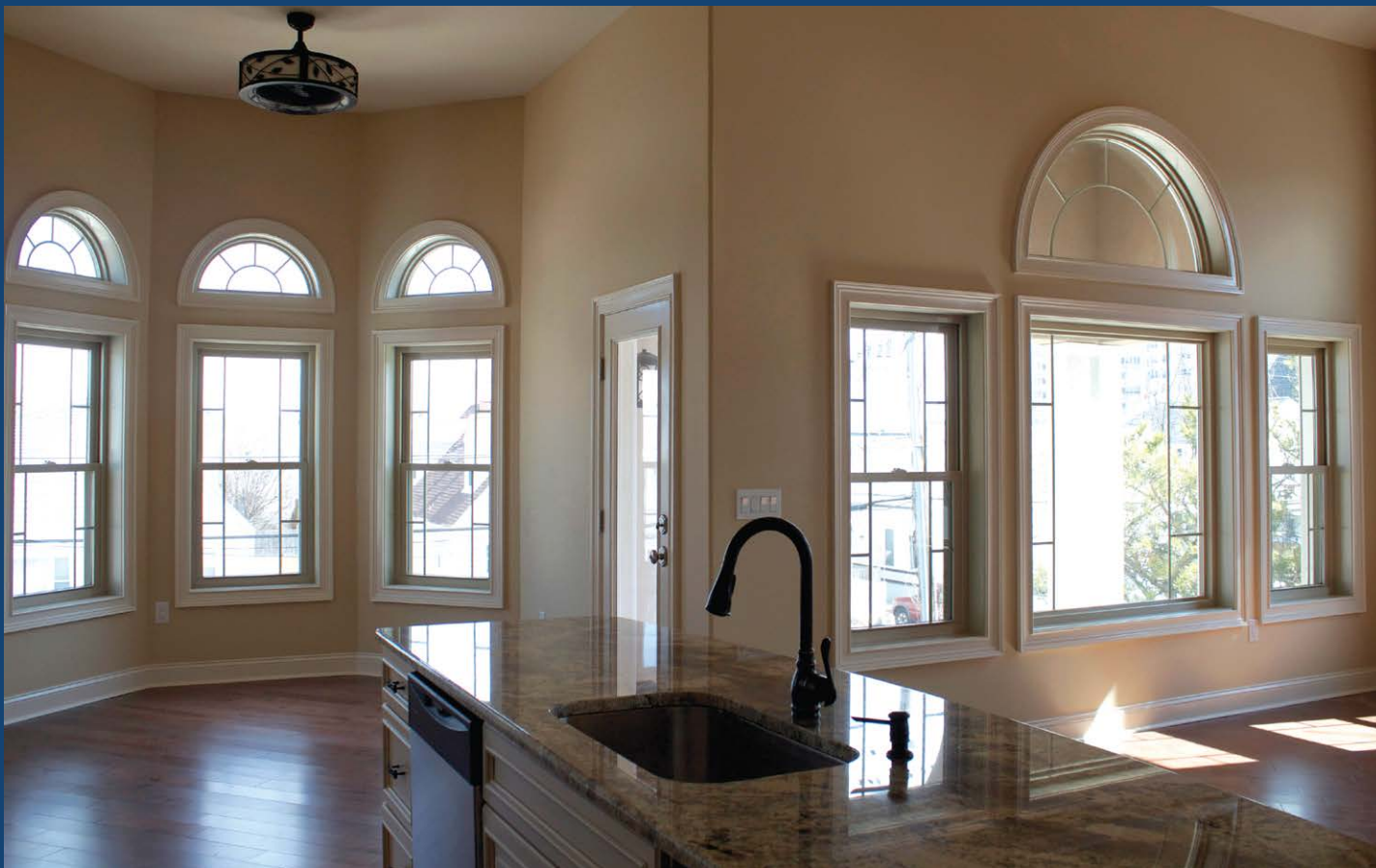
**BC = Builders Choice**  
**SS = S-Series**

## Air, Water and Structural Performance

Window Style	Individual Unit Size	Mulled Unit Size	Test Method	Total Unit Air Infiltration @25MPH	Water (PSF)	Structural Rating	Overall Grade Rating
SS Double-hung	48" x 72"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.11 CFM	7.52	50	R50
SS Double-hung	52" x 80"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.11 CFM	8.36	45	R45
BC Double-hung	36" x 72"	—	AAMA/WDMA/CSA 101/I.S.2/A440-08	0.18 CFM	7.52	40	R40
BC Double-hung	48" x 72"	—	AAMA/WDMA/CSA 101/I.S.2/A440-08	0.18 CFM	7.52	30	R30
SS Single-hung	48" x 72"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.07 CFM	8.36	55	R55
S Single-hung	52" x 80"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.07 CFM	8.36	45	R45
BC Single-hung	36" x 72"	—	AAMA/WDMA/CSA 101/I.S.2/A440-08	0.13 CFM	6.06	40	R40
BC Single-hung	48" x 72"	—	AAMA/WDMA/CSA 101/I.S.2/A440-08	0.13 CFM	6.06	35	R35
Double-hung Oriel	36" x 66"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.06 CFM	7.52	70	R50
Double-hung Oriel	48" x 72"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.06 CFM	7.52	40	R40
Double-hung Oriel	52" x 80"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.06 CFM	7.52	30	R30
Double-hung Reverse Oriel	52" x 80"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.11 CFM	7.52	35	R35
Double-hung Reverse Oriel	48" x 72"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.11 CFM	7.52	50	R50
Single-hung Oriel	36" x 72"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.05 CFM	7.52	50	R50
Single-hung Oriel	52" x 66"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.05 CFM	7.52	40	R40
Single-hung Reverse Oriel	40" x 72"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.03 CFM	6.06	40	R40
Single-hung Reverse Oriel	48" x 72"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.03 CFM	6.06	30	R30
Single-hung Reverse Oriel	36" x 72"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.03 CFM	6.06	40	R40
Twin Double-hung	52" x 80"	104" x 80"	AAMA/WDMA/CSA 101/IS2/A440-05	0.11 CFM	7.52	40	R40
Twin Double-hung	47-3/4" x 80"	96" x 80"	AAMA/WDMA/CSA 101/IS2/A440-11	0.11 CFM	10.65	50	R50
Triple Double-hung	52" x 80"	157" x 80"	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.11 CFM	7.52	40	R40
Triple Double-hung	48" x 72"	145" x 72"	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.11 CFM	7.52	50	R50
Casement	36" x 72"	—	AAMA/WDMA/CSA 101/I.S.2/A440-08	0.01 CFM	12.11	65	R65
Casement Picture	72" x 72"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.01 CFM	12.12	50	R50
Awning	60" x 36"	—	AAMA/WDMA/CSA 101/I.S.2/A440-08	0.01 CFM	12.11	75	R75
Geometric	72" x 84"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.02 CFM	12.11	75	R75
Geometric	96" x 48"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.01 CFM	12.12	60	R60
Picture	72" x 84"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.01 CFM	12.12	55	R55
Picture	96" x 48"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.01 CFM	12.12	70	R70
2-Lite Slider (DP50 with T-Bolt)	72" x 60"	—	AAMA/WDMA/CSA 101/I.S.2/A440-11	0.14 CFM	7.52	50	R50
2-Lite Slider	96" x 48"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.15 CFM	9.20	45	R45
2-Lite Slider (DP50 with T-Bolt)	96" x 48"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.10 CFM	9.20	50	R50
2-Lite Slider	96" x 60"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.15 CFM	9.20	30	R30
3-Lite Slider (1/4-1/2-1/4)	138" x 60"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.08 CFM	8.36	25	R25
3-Lite Slider (1/3-1/3-1/3)	138" x 60"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.11 CFM	8.36	30	R30
2-Panel Patio Door with Vinyl Sill	96" x 96"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.11 CFM	7.52	50	R50
2-Panel Patio Door with Aluminum Sill	96" x 96"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.12 CFM	7.52	50	R50
3-Panel Patio Door with Vinyl Sill	108" x 82"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.12 CFM	7.52	50	R50
3-Panel Patio Door with Aluminum Sill	108" x 82"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.12 CFM	7.52	50	R50
3-Panel Patio Door with Vinyl Sill	108" x 96"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.12 CFM	7.50	50	R50
3-Panel Patio Door with Aluminum Sill	108" x 96"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.12 CFM	7.52	50	R50
4-Panel Patio Door with Vinyl Sill	144" x 82"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.27 CFM	7.50	50	R50
4-Panel Patio Door with Aluminum Sill	144" x 82"	—	AAMA/WDMA/CSA 101/I.S.2/A440-05	0.12 CFM	7.52	45	R50



**Fit To Be Tested.** Inside our certified test facility, this window will soon be sealed off and tested for its resistance to air infiltration. Constant air pressure will be applied at the equivalent of 25 mph. Computerized flow meters (see right) measure the rate of air leakage. In this way, we ensure that the window is tight, drafts are eliminated, and energy efficiency is high. Third-party technicians repeat this test, along with structural, water penetration, and forced entry tests, when determining the window's overall performance grade.



Above: Custom grids (inspired by Frank Lloyd Wright) on double-hung and picture windows, topped by half-rounds with a sunburst grid pattern, add character and elegance to this open floor plan.

For over thirty years, the people at Viwinco have perfected their skills at producing high-performance, beautiful windows and patio doors. Our products are manufactured in-house from premium-quality materials. We oversee every step of the process—even hand-washing each window or door before it leaves our facility. Drawing on a work ethic passed down through generations, our family-owned and operated business provides exemplary service, short lead times, and the personalized attention that has made our name one of the most trusted in the industry.



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