

Builders Know The Difference.

Specifications





The Vector Difference.

At Vector, we believe hard work and a “get-it-done” attitude are the secrets to lasting success. That’s something we learned from professional builders. We also learned to take pride in our work and that excuses aren’t an option.

It’s that uncompromising commitment to builders that informs our unparalleled service and exceptional craftsmanship. With Vector, you’ll find quality windows and doors that help builders achieve better results with quick delivery times, personalized service and minimal call backs.

If you’ve ever used our windows, you already know the difference we bring to the table. If you haven’t, we hope you’ll take this opportunity to see what all the fuss is about.

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NVC

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Builder Focused Services

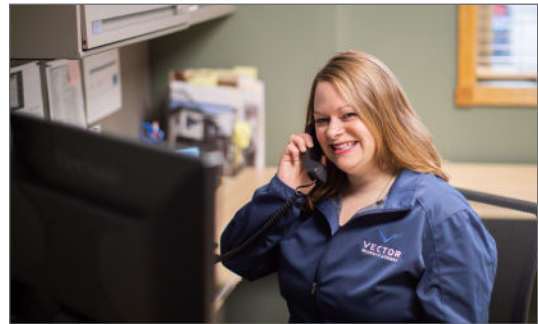
A Job Well Done Starts Here.

At Vector, we know it's not just about building premium windows and doors. Reliable delivery, exceptional support, and hassle-free service are just as critical. That's why we're committed to helping you complete your projects smoothly, on time, and without complications.



Dependable Delivery

Waiting around for materials wastes time and money. With Vector, you won't have to. All standard products, including custom sizes, are shipped with short lead-times, so you can stay on schedule and on budget.



Support You Can Count On

Got a tricky project or product question? Our engineering and support team is just a phone call away. Talk to a real expert who's ready to help you with your project needs.



Service You Can Trust

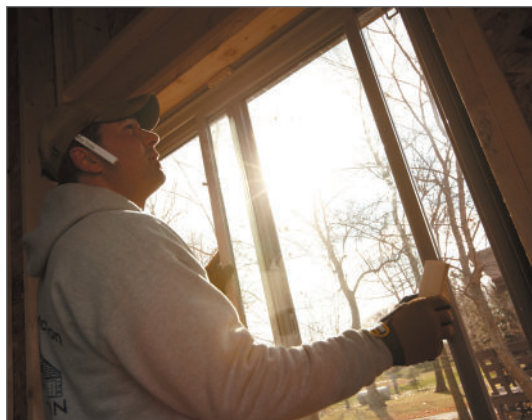
Vector's eService system allows builders or homeowners to make a service request online, taking the hassle out of receiving service. We follow up every service request with a personal phone call.



Factory Tours & Training

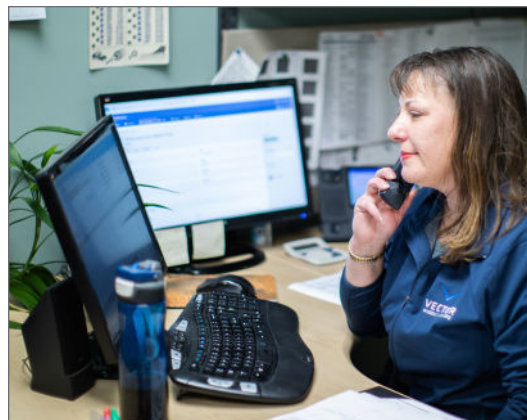
Sometimes you just have to see it in action. Schedule a factory tour, and we'll show you just what goes into every Vector window & door and why builders choose our products. Our in-factory product training gives your crew the expertise they need to get the job done quickly.

The Things that Matter Most.



Superior Quality

Our products work right the first time, with easy installation and trouble-free maintenance. This means you'll have few, if any, expensive and headache-inducing call backs.



Unparalleled Service

Exceptional service is part of our DNA. When you reach out, a real person will answer the phone and provide the help you need.



Personal Attention

Every project is unique, and so are our customers. At Vector, we take the time to understand your specific requirements and deliver solutions that exceed expectations.



Crafted with Care

With over 30 years of experience, we take pride in every window and door we make. Our dedication to quality and craftsmanship shines through in every detail.

Energy Efficient Alternative

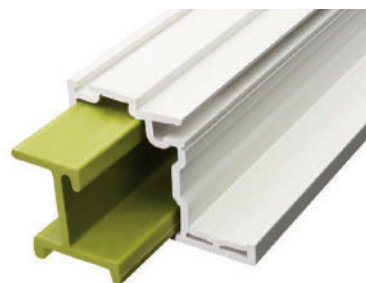
Envision windows use Innergy Rigid Thermal Reinforcements instead of aluminum to improve window thermal and structural performance. Which helps reduce condensation and allows for more comfortable household humidity levels.

The High-Performing Alternative to Aluminum Inserts

Superior performance doesn't get much easier than this.

Innergy Rigid Thermal Reinforcements are advanced fiber glass reinforced resin inserts, designed to slide easily into window and door frame chambers for greater support and insulation.

The result is a new, more efficient system with all the strength and structural reinforcement of aluminum, but with a whole new set of high performance benefits for the home.



INNERGY®
Rigid Thermal Reinforcements



Innergy and Alluminum in a
32 degree ice bath

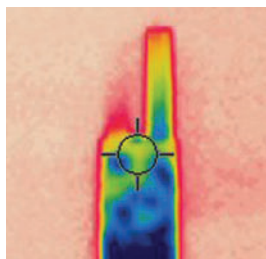


Photo taken after one
hour ice bath

Innergy is the innovative, energy-efficient alternative to aluminum.

As the next-generation of thermal reinforcement for the industry, Innergy is able to deliver a quantum leap above aluminum in how windows perform:

Better thermal performance

Up to 700 times better than aluminum in material-to-material comparisons.

Better thermal break

Impervious to cold or heat

Better protection against condensation

Helps prevent staining that can occur with metal reinforcements

Better impact testing

Resistance to impact versus other reinforcement products

Better flexibility

Will not permanently set when impacted

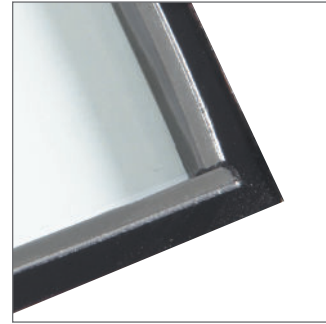
High Efficiency Comes Standard.

For more information on energy efficiency and sustainable building, visit [EnergyStar.gov](https://www.EnergyStar.gov) & [SustainableEnergyCoalition.org](https://www.SustainableEnergyCoalition.org).

Beyond Lower Costs

The LoE coating on every pane of glass in Vector windows & doors helps to protect interiors from sun damage by blocking harmful ultraviolet rays, without noticeably reducing visible light. Our windows & doors also deliver more comfort and create less condensation than conventional alternatives.

Traditional metal spacers conduct heat and cold, which causes condensation at the edge of the glass. This condensation is unsightly, and can contribute to unhealthy mold growth. A warmer edge all the way around will strike at the heart of the problem. Vector windows & doors use an industry-leading, non-metallic insulating structural foam spacer which helps reduce condensation and allows for more comfortable household humidity levels.



We use an industry-leading, non-metallic spacer to dramatically reduce condensation at the edge of the glass.

Green Throughout

At Vector, we're committed to conservation and protecting our environment. Because of their energy efficiency, homes with our windows & doors don't require as much electricity to heat and cool, which decreases unnecessary carbon emissions. We've also taken a number of steps to reduce the waste expended to create them. The material scrap generated by our manufacturing operations is recycled or reused. This includes all of the major components of our products—glass, vinyl, and metal. In addition, our saws and glass cutter utilize optimization software to greatly reduce the amount of material waste generated.

We have worked to make our factory as green as possible. To this end, we've installed high-efficiency lighting and programmable thermostats, and we've optimized the layout of our equipment to significantly cut our energy usage. Moreover, our production facility does not create any emissions that are harmful to the environment.



We recycle or reuse all of the scrap generated by our manufacturing operations, including glass.

Money Saving Efficiency

Our standard double-pane, LoE coated, double-strength glass can dramatically reduce window heat loss, because the interior glass stays warmer in cold temperatures, protecting homes from the chill of winter. In the summer, the windows transfer less heat, because the sun is filtered and reflected back outdoors. That means lower energy costs, no matter the climate.

Product Lines



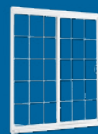
Advantage Series

Advantage Single-Hung windows are a popular standard, built to last. With their heavy-duty block and tackle system, these windows open and close with ease. They come in a wide range of sizes and configurations and can be combined with geometric shapes and radius units to create a custom look to fit any home.



Envision Series

Designed with Energy & Vision our Envision windows have a stunning exterior enhanced architectural profile. You will find a wealth of accessories and options to bring your vision to life. The versatility and sleek aesthetic make the Envision Series a premiere choice from residential to commercial projects.



Patio Doors

Vector full view sliding patio doors incorporate enhanced performance and ease of installation in a door system that has all the flexibility needed for today's design trends. This high-value door system additionally boasts great performance and ease of adjustment.



VECTOR

Product Lines

Builders Know the Difference.

Envision Series

Envision Series Windows meet ENERGY STAR® 7.0 ratings in the Northern Climate region with triple-pane glass.

Internal cavities placement optimized for thermal performance

Bulb seal for tight compression fit at both head and sill

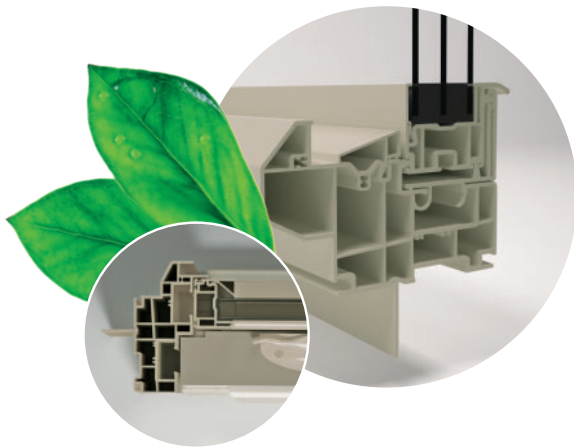
Dual and Triple Glazing Options

INNERGY Thermal Reinforcements

Full-width weather stripping

Triple Weather Seal

Storm interlock for increased negative structural performance—Patent 6,826,871



Features Builders Love

A Joy to Work With.

They say beauty is only skin deep, and a great-looking product that's hard to install and difficult to maintain isn't much use to anyone. Vector windows & doors have been designed with builders in mind.

Extension Jamb

Wall thicknesses vary greatly. Vector windows come in a variety of custom jamb depths, so you can always create a perfect fit. Moreover, extension jamps are available applied or loose and come in a variety of wood or vinyl veneers.



Welded Brickmould

Our welded brickmould system allows Envision windows to be installed from the exterior. The snap-in cap completes the finished look and allows for fast, beautiful installation. It's easy-to-measure, lets you keep existing siding and can be installed by a single person.



Multiple Receiver Sizes

Vector windows can be equipped with either $\frac{5}{8}$ " or $\frac{3}{4}$ " receivers to accommodate the extension jamps you prefer to use. Receivers are pre-cut to length and can be shipped loose or pre-applied in our factory.



Incredibly Strong

You won't find any flimsy windows here. Envision windows have reinforced check rails and sashes to ensure they'll stand the test of time. For large windows, we include dual locks, ensuring a weather tight seal.



Replacement Option

Any of our windows can be ordered in custom sized $\frac{1}{8}$ " increments for a perfect fit. Choose our "Retro" configuration, and we'll remove the nail fin, drill the appropriate holes, provide plugs, screws and sill angle, so you'll have everything you need for the job.





EZ-Trim Brickmould

Add sophistication and simplicity to your home project with the Vector Windows ready to install retro brickmould vinyl windows. The factory installed EZ-Trim Retro Brickmould is the ideal window installation solution for remodel and retrofit applications.

Easy to Measure

Simply measure the dimensions of your existing brickmould trim and using the brickmould measurement type and our system can automatically convert your window size to fit the opening with the EZ-Trim Retro Brickmould. Or if you would like to do the measurement conversion manually would take off of 3 ¼" on the width and 3 ¼" off the height of the Brickmould to brickmould size for your windows size measurement. (2 ½ height on 3 sided brickmould)

Easy to Install

EZ-Trim has a convenient screw channel on the face of the product which allows for installation from the exterior without removing your siding.

Ultimate Durability

EZ-Trim also features welded corners, and a sturdy multi-chambered design for the ultimate durability and performance.

EZ Trim is available for the following products:

Envision Series
Double-Hung
Single-Hung
Gliders
Casements
Awning
Picture Windows

Very Fast Installation

Installers love EZ-Trim Brickmould because it saves them a lot of time compared to traditional window replacement methods.

Color Options:

Scan to View Color Options





Grid Options

Contoured



Flat Bar

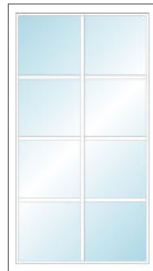


1" Flat Bar



Vector offers the ability to add a personalized touch to your doors and windows by adding grids between the glass. Pick your style with a Colonial, Prairie or Heritage pattern. Custom configurations of our patterns are available, see dealer for details. Choose between our standard flat bar style or upgrade to our contoured grids for an elegant sculptured look.

Colonial Pattern



Prairie Pattern



Valance Pattern

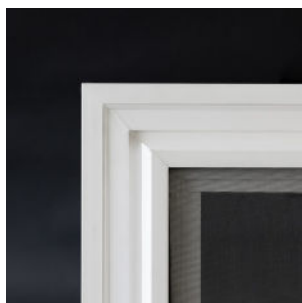


Simulated Checkrail



Trim Options

EZ Trim Retro Brickmould



Add sophistication and simplicity to your home project with the Vector Windows ready to install retro brickmould vinyl windows. The factory installed EZ-Trim Retro Brickmould is the ideal window installation solution for remodel and retrofit applications.

Extension Jamb Options



White



Almond



Clay



Light
Oak



Dark
Oak



Oak



Pine



Maple



Poplar



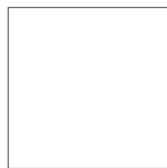
Primed

Wood Veneer.

Options & Upgrades

Master craftsmen know it's the smallest details that make a work of art something truly special. At Vector, we pay particular attention to those finishing touches.

Vinyl



White



Almond



Clay

Laminate

Envision series option

INTERIOR



Light Oak Woodgrain



Dark Oak Woodgrain



Black

EXTERIOR



Black

Exterior Paint Colors

Envision series option



Bronze



Cocoa



Hunter Green



Terratone



Black

Glazing



Standard LoE Coating

Double-strength insulated glass filled with argon gas. Comes with a warm-edge spacer.



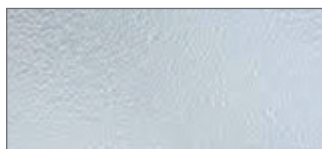
LoE³ Coating

Three layers of LoE to improve energy efficiency even further.



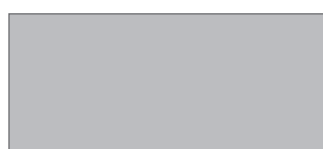
Tempered Glazing

To improve strength & safety.



Obscure Glazing

Provides privacy while still allowing light through.



Specialty Glass

Tinted, rain, and other specialty glass is available upon request.



Triple Pane Glass

The ultimate in glass efficiency is available in our Envision series windows.

Details Make the Difference.

Taking Standard to the Next Level

FlexScreen® screens are now standard on all Vector Windows. We are thrilled to offer the dependability and innovation of the FlexScreen technology for your windows at no extra cost. FlexScreen's flexible design is nearly indestructible with many performance advantages and Stores in 1/3 of the space of traditional screens.

Enhance your view with Clearscene screen mesh as an optional upgrade. Clearscene screens are a superior choice for keeping out bugs, while offering 50 percent more clarity than standard screens



Window Hardware



Lock & Keeper

Available in color-coordinated finishes and warrantied to last a lifetime.



Folding Handle

Casement hardware folds down for an unobstructed view.



Night Latches

Let the fresh breeze in while limiting the sash opening.



Advantage Single-Hung windows are a popular standard, built to last a lifetime. With their heavy-duty block and tackle system, these windows open and close with ease. They come in a wide range of sizes and configurations and can be combined with geometric shapes and radius units to create a custom look to fit any home.

Fusion-Welding

All Vector windows have a fusion-welded main frame and sash for enhanced performance and durability.



Easy Operation

Block and tackle balances provides extra lift assistance for easy operation, while the removable sash makes cleaning easier.



Strong Seal

The integrated full-perimeter nailing fin and pile weatherstrip ensure a weathertight seal to reduce drafts and protect against leaks.



Advantage Glider Windows

A-GL



Advantage Glider windows offer a sophisticated look. Advantage gliders are the answer for builders caught between style, performance and cost. Our unique design brings the flexibility of radius tops and transoms to a popular window.

The Right Fit

Available in double or triple-sash configurations to meet your unique needs. Advantage Gliders are also available in end-vent or center-vent configurations.



Smooth Operation

Self-cleaning brass carriage rollers will smoothly perform beyond expectations for years to come.



Efficient & Functional

The integrated full-perimeter nailing fin and pile weatherstrip ensure a strong seal to reduce drafts and leaks. The sash can be removed for easy cleaning.







Envision

SERIES WINDOWS

Designed with Energy and Vision.



Envision Casement Windows



Envision Casement and Awning windows come in a wide range of sizes and configurations and can be complemented with geometric and radius shapes. The continuous main frame design gives these windows simple beauty you can take pride in.

NVC



Continuous Head & Sill

Envision Casement and Awning windows have a continuous head and sill on multiple wide units up to eight feet wide. This provides clean sight lines, and ensures there's more visible glass to enjoy.

Easy Operation & Cleaning

Smooth operating hinges permit our casement windows to open a full 90 degrees for full ventilation. Our "washability" hinges are designed so the sash will pivot in towards the center of the window, allowing easy cleaning from the inside of the home.

Egress Hardware

Optional egress hardware is available to allow more sizes to meet egress codes.

Security & Design

The multi-point locking hardware system ensures peace of mind, while stylish folding handles eliminate interference with blinds.

Ultimate Energy Efficiency

Want to achieve the ultimate in energy savings? Our Envision Casement and Awning windows are available with triple-pane glass.

Envision Single-Hung Windows



Envision Single-Hung windows offer hassle free operation, low maintenance and traditional styling. With their constant force balance system, these windows open and close with ease. Give your home a distinctive look by combining with picture windows and specialty shapes.

NVH



Performance

Telescoping welded sill detail improves performance and structural rigidity. Our high-performance sloped sills are made from a single extrusion, which makes them stronger and more durable. Multi-chambered extrusions and storm interlock improve energy efficiency and structural performance.

Easy Operation

Constant force balances provides extra lift assistance for easy operation, while our tilt latches allow the bottom sash to tilt in for easy cleaning from the inside.

Strong Seal

The integrated full-perimeter nailing fin and triple weather seal ensure a weathertight seal to reduce drafts and protect against leaks.

Continuous Head & Sill

Envision Single-Hung windows have a continuous head and sill on multiple wide units up to eight feet wide. This provides clean sight lines, and ensures there's more visible glass to enjoy.

Ultimate Energy Efficiency

Want to achieve the ultimate in energy savings? Our Envision Single-Hung windows are available with triple-pane glass.

Envision Double-Hung Windows



Envision Series Double-Hung windows provide the beauty of hassle-free operation, low maintenance and traditional styling. Both sashes open and close with ease and tilt in for effortless cleaning. Give any home a distinctive look by combining these with picture windows and specialty shapes.



NVDH

Performance

Telescoping welded sill detail improves performance and structural rigidity. Our high-performance sloped sills are made from a single extrusion, which makes them stronger and more durable. Multi-chambered extrusions and storm interlock improve energy efficiency and structural performance.

Easy Operation

Constant force balances provide extra lift assistance for easy operation, while our tilt latches allow both sashes to tilt in for easy cleaning from the inside.

Strong Seal

The integrated full-perimeter nailing fin and triple weather seal ensure a weathertight seal to reduce drafts and protect against leaks.

Continuous Head & Sill

Envision Double-Hung windows have a continuous head and sill on multiple wide units up to eight feet wide. This provides clean sight lines, and ensures there's more visible glass to enjoy.

Full Screens

Open both the top and bottom sashes to allow for ventilation, while still keeping bugs out with full screens, which come standard on Envision Double Hung windows.

Ultimate Energy Efficiency

Want to achieve the ultimate in energy savings? Our Envision Double-Hung windows are available with triple-pane glass.

Envision Glider Windows



Envision Glider windows offer a bold, traditional look, while heavy-duty construction and design deliver exceptional performance ratings. Our unique design brings the flexibility of radius tops, transoms to a popular.



NVG

The Right Fit

Envision Gliders are available in standard single vent, double vent and end-vent configurations.

Smooth Operation

Anti friction polymer sweep that continuously cleans the track and lets the window slide smoothly and quietly.

Strong Seal

The integrated full-perimeter nailing fin and triple weather seal ensures a strong seal to reduce drafts and leaks. The sash can be removed for easy cleaning.

Concealed Hardware

Sash locks are discreetly hidden from sight, ensuring an uninterrupted view of your surroundings.

Ultimate Energy Efficiency

Want to achieve the ultimate in energy savings? Our Envision Glider windows are available with triple-pane glass.

Double Glider

With Envision Double Gliders, both sashes are fully operational, providing the most flexibility.



A-SP

Give any home a custom look. At Vector, we can design specialty windows to your exact specifications. Use any of our non-standard shapes as single units, or combine them with any of our standard window systems.

Advantage & Envision Series

Extension Jambs & Casing

Optional extension jambs and casings help you customize any home. We can provide extension jambs and casing to match even arched or other special window shapes.

Custom Sizes

All shapes are available in almost any custom size you need allowing you to create a truly unique design.



NVSP



Full View Sliding Patio Doors



Full View Sliding patio doors incorporate enhanced performance and ease of installation in a door system that has all the flexibility needed for today's design trends. This door has great performance and compliments either style of windows you choose.



Welded Frame & Sash

The fully-welded frame and sash provide extra strength & performance. Mechanically fastened patio doors have a less-than-perfect track record, so we weld every corner to ensure lasting performance.

Rolling Insect Screen

Let the refreshing breeze blow in while keeping the bugs out with our rolling insect screen. Each door comes standard with a heavy-duty extruded screen that has steel wheels for superior durability.

Hardware Options

Full View Sliding patio door handles come in White, Almond, Clay, and Black and can be ordered with an optional keyed lock set.

FVPD

Full View Elite Patio Doors



Key Features:

Unmatched Energy Efficiency: Our enhanced air infiltration ratings ensure premium insulation, keeping your home comfortable year-round while reducing energy costs.

Superior Strength: Built with reinforced components, the Full View Elite boasts a 100% improvement in structural performance, providing unmatched durability and security.

72" X 80" -SD HAS A PERFORMANCE GRADE OF CLASS R-PG50

Elevate Your Style: Choose from a wider range of premium hardware finishes to complement your home's aesthetic.

Expansive Views:

Maximize natural light and create a seamless indoor-outdoor living experience with our larger size configurations. (up to a max width of 96" and max height of 96")

Precision Engineering:

Our innovative frame design creates superior protection against water infiltration.

Hardware Options



Standard Hardware:

White, Clay, Black



Premium Hardware:

White, Clay, Black, Oil Rubbed Bronze

Elite Hardware:

White, Clay, Black, Oil Rubbed Bronze, Satin Nickel

Oil Rubbed Bronze



Satin Nickel



Foot Bolt Option:

White, Clay, Black



Enhanced Security:

Enjoy peace of mind with the added option of a foot bolt for extra protection.

Specifications

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Vector products are easy to order and work with. This guide will help you determine precisely which products to order for your particular job. To find a dealer or if you have any questions about our windows and doors, visit us online at VectorWindows.com.

Calculating Openings

The window call-outs in this guide represent the rough opening (R.O.). All standard sized catalog units are sized every six inches. For example: a 2030 unit has a rough opening of two feet wide by three feet tall. A 2636 unit has a rough opening of two feet six inches wide by three feet six inches high. Width is always first, followed by the height. The actual unit dimension is always $\frac{1}{2}$ " less than the rough opening. Custom size windows and patio doors are also available.

Lead Times

You don't have time to wait around, not knowing when your windows and doors will arrive. That's why all of our standard products—including custom sizes—are available in two weeks or less. When time is money, can you afford to waste yours?

Egress Calculations

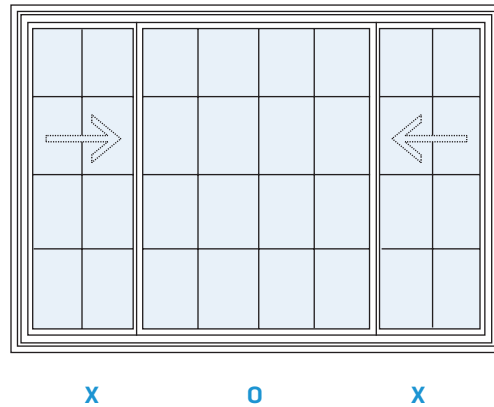
The 1997 Uniform Building Code has established residential egress requirements for windows in sleeping rooms. All egress or rescue windows must meet each of the following:

- Minimum of 5.7 square feet of net clear opening.
- Minimum of 24 inches of net clear height.
- Minimum of 20 inches of net clear width.
- Finished sill height of 44 inches or less above the finished floor.

All Vector products that meet this requirement are marked with an E following the size. An asterisk (*) will be added to windows that meet egress with optional hardware. **Note:** An opening of minimum width by minimum height does not meet the minimum required for net clear opening. Please verify local building codes which may require larger egress openings on your project. These calculations are intended as a guide. Vector assumes no liability in meeting local building codes.

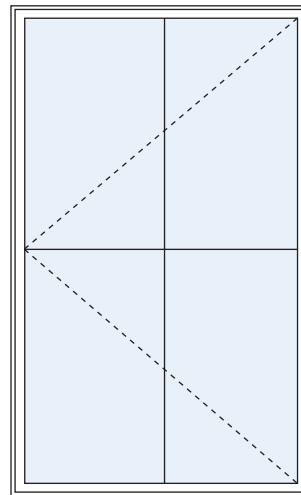
Operating Vs. Stationary

To specify which sash is operating and which is stationary, always start from left to right as you would see the window or door from the exterior of the home. **X** denotes the operating panels while **O** denotes the fixed panel. For example, an **XOX** gliding window or sliding door would have the left and right panels operating as you look at it from outside the home.



Left vs. Right Handing

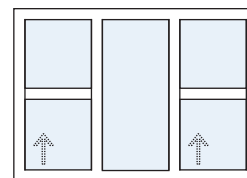
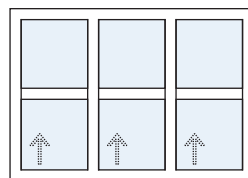
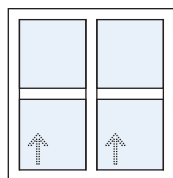
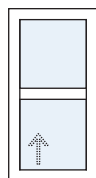
For casement windows and patio doors you can specify either left or right handing. Look from the exterior of the home and determine which side of the window or door you would like the hinges to be on. This will determine whether you should specify left or right handing.



The narrow end of the arrow indicates the position of the hinge.
This illustration represents a left handing window.

Advantage Single Hung Windows

A-SH



Common Frame

Common Frame

Common Frame

	H1		H2		H3		H3HPH	
	Min	Max	Min	Max	Min	Max	Min	Max
W	14"	48"	36"	84"	54"	108"	54"	96"
H	26"	78"	26"	78"	26"	78"	26"	78"

Add-On Jamb Dimensions

Wall Thickness	6 9/16"	6 13/16"
Jamb Size	5 5/16"	5 9/16"

Profile Measurements

Overall Frame Size	2 11/16"
Nail Fin Outboard	17/16"
Nail Fin Inboard	11/4"
Nail Fin Width	11/16"

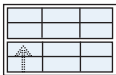
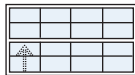
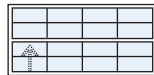
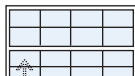
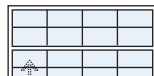
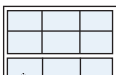
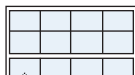
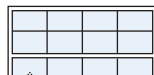
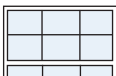
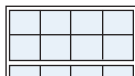
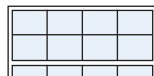
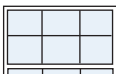
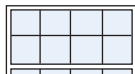
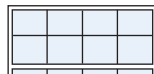
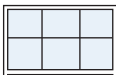
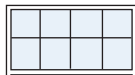
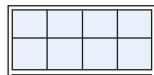
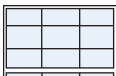
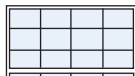
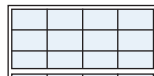
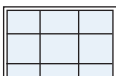
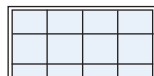
Daylight Openings

	W	1'6"	2'0"	2'6"	3'0"	3'6"	4'0"
H	Advantage Single Hung (H1)						
2'6"	2.05	2.99	3.94	4.89	5.83	6.78	
3'0"	2.53	3.78	4.98	6.18	7.37	8.57	
3'6"	3.13	4.57	6.02	7.47	8.91	10.36	
4'0"	3.67	5.36	7.06	8.76	10.46	12.15	
4'6"	4.21	6.16	8.10	10.05	12.00	13.94	
5'0"	4.75	6.95	9.14	11.34	13.54	15.73	
5'6"	5.29	7.74	10.18	12.63	15.08	17.52	
6'0"	5.83	8.53	11.22	13.92	16.62	19.31	

Unit Dimensions		1' 5½"	1' 11½"	2' 5½"	2' 11½"	3' 5½"	3' 11½"
Rough Opening		1' 6"	2' 0"	2' 6"	3' 0"	3' 6"	4' 0"
Glass Size		15 3/8"	21 3/8"	27 3/8"	33 3/8"	39 3/8"	45 3/8"
1' 5½" 1' 11½" 2' 0" 2' 11½"	APWH ADVANTAGE PICTURE WINDOW						
		1616	2016	2616	3016	3616	4016
		1620	2020	2620	3020	3620	4020

Advantage Single Hung Windows

A-SH

Unit Dimensions		1' 5½"	1' 11½"	2' 5½"	2' 11½"	3' 5½"	3' 11½"
Rough Opening		1' 6"	2' 0"	2' 6"	3' 0"	3' 6"	4' 0"
Operating Glass		12 9/16"	18 9/16"	24 9/16"	30 9/16"	36 9/16"	42 9/16"
H1 ADVANTAGE SINGLE HUNG	2' 5½"						
	2' 6"	1626	2026	2626	3026	3626	4026
	2' 11½"						
	3' 0"	1630	2030	2630	3030	3630	4030
	3' 5½"						
	3' 6"	1636	2036	2636	3036	3636	4036
	3' 11½"						
	4' 0"	1640	2040	2640	3040	3640	4040
	4' 5½"						
	4' 6"	1646	2046	2646	3046	3646E	4046E
	4' 11½"						
	5' 0"	1650	2050	2650	3050E	3650E	4050E
	5' 5½"						
	5' 6"	1656	2056	2656	3056E	3656E	4056E
	5' 11½"						
	6' 0"	1660	2060	2660E	3060E	3660E	4060E

E: Denotes a unit that meets Egress.

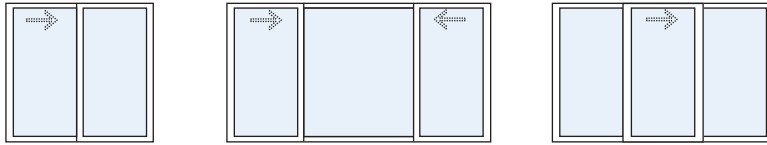
Advantage Glider Windows

A-GL

Unit Dimensions		2' 5½"	2' 11½"	3' 5½"	3' 11½"	4' 5½"	4' 11½"	5' 5½"	5' 11½"
Rough Opening		2' 6"	3' 0"	3' 6"	4' 0"	4' 6"	5' 0"	5' 6"	6' 0"
Glass Size		27 3/8"	33 3/8"	39 3/8"	45 3/8"	51 3/8"	57 3/8"	63 3/8"	69 3/8"
1' 5½"	1' 6"	APWG ADVANTAGE PICTURE WINDOWS							
	15 3/8"			2616	3016	3616	4016	4616	5016
1' 11½"	2' 0"								
	21 3/8"			2620	3020	3620	4020	4620	5020
Unit Dimensions		2' 5½"	2' 11½"	3' 5½"	3' 11½"	4' 5½"	4' 11½"	5' 5½"	5' 11½"
Rough Opening		2' 6"	3' 0"	3' 6"	4' 0"	4' 6"	5' 0"	5' 6"	6' 0"
Operating Glass		11 1/16"	14 1/16"	17 1/16"	20 1/16"	23 1/16"	26 1/16"	29 1/16"	32 1/16"
1' 11½"	2' 0"	G1 ADVANTAGE GLIDER							
	18 9/16"			2620	3020	3620	4020	4620	5020
2' 5½"	2' 6"								
	24 9/16"			2626	3026	3626	4026	4626	5026
2' 11½"	3' 0"								
	30 9/16"			2630	3030	3630	4030	4630	5030E
3' 5½"	3' 6"								
	36 9/16"			2636	3036	3636	4036	4636E	5036E
3' 11½"	4' 0"								
	42 9/16"			3040	3640	4040E	4640E	5040E	5640E
4' 5½"	4' 6"								
	48 9/16"			3046	3646	4046E	4646E	5046E	5646E
4' 11½"	5' 0"								
	54 9/16"			3050	3650	4050E	4650E	5050E	5650E
								6050E	

E: Denotes a unit that meets Egress.

Advantage Glider Windows



A-GL

	G1		GE		GC	
	Min	Max	Min	Max	Min	Max
W	26"	72"	60"	96"	60"	96"
H	14"	60"	14"	60"	14"	60"

Add-On Jamb Dimensions

Wall Thickness	6 9/16"	6 13/16"
Jamb Size	5 5/16"	5 9/16"

Profile Measurements

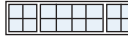
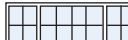
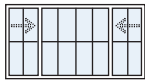
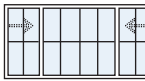
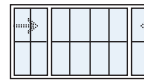
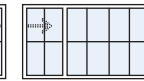
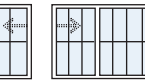
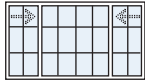
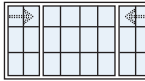
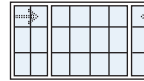
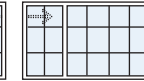
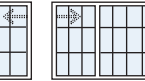
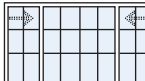
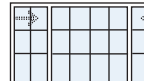
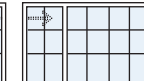
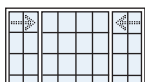
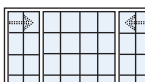
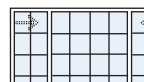
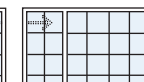
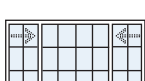
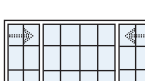
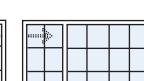
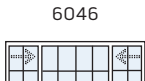
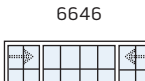
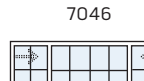
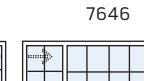
Overall Frame Size	2 11/16"
Nail Fin Outboard	1 7/16"
Nail Fin Inboard	1 1/4"
Nail Fin Width	1 1/16"

Daylight Openings

	W	2'6"	3'0"	3'6"	4'0"	4'6"	5'0"	5'6"	6'0"	6'6"	7'0"	7'6"	8'0"
H	Advantage Glider (G1)												
2'0"		2.77	3.69	4.48	5.27	6.06	6.85	7.64	8.43				
2'6"		3.81	4.86	5.90	6.94	7.98	9.02	10.06	11.10				
3'0"		4.86	6.02	7.31	8.60	9.89	11.18	12.47	13.76				
3'6"		5.90	7.19	8.73	10.27	11.81	13.35	14.89	16.43				
4'0"		6.94	8.36	10.15	11.94	13.73	15.52	17.31	19.10				
4'6"		7.98	9.52	11.56	13.60	15.64	17.68	19.72	21.76				
5'0"		9.02	10.69	12.98	15.27	17.56	19.85	22.14	24.43				
	Advantage End Vent (GE)												
2'6"									9.96	10.97	11.97	12.97	13.97
3'0"									12.45	13.70	14.95	16.21	17.46
3'6"									14.93	16.43	17.94	19.44	20.94
4'0"									17.42	19.17	20.92	22.67	24.43
4'6"									19.90	21.90	23.91	25.91	27.91
5'0"									22.39	24.64	26.89	29.14	31.40
	Advantage Center Vent (GC)												
2'6"									11.15	12.23	13.32	14.40	15.48
3'0"									13.72	15.06	16.39	17.72	19.06
3'6"									16.30	17.88	19.46	21.05	22.63
4'0"									18.87	20.70	22.53	24.37	26.20
4'6"									21.44	23.52	25.61	27.69	29.77
5'0"									24.01	26.35	28.68	31.01	33.35

Advantage Glider Windows

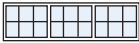
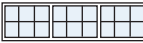
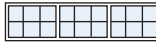
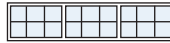
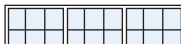
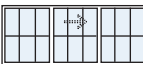
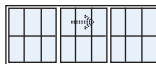
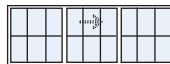
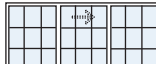
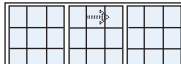
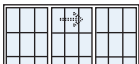
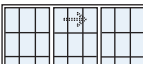
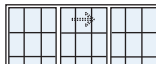
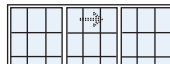
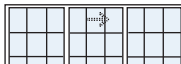
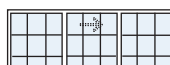
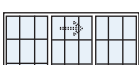
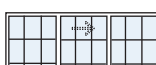
A-GL

		Unit Dimensions	5' 11½"	6' 5½"	6' 11½"	7' 5½"	7' 11½"
		Rough Opening	6' 0"	6' 6"	7' 0"	7' 6"	8' 0"
		Glass Size	22"	24"	26"	28"	30"
1' 5½"	1' 11½"	APW3 ADVANTAGE PICTURE WINDOW					
	1' 6"		6016	6616	7016	7616	8016
1' 11½"	2' 0"						
	2' 3/8"		6020	6620	7020	7620	8020
		Unit Dimensions	5' 11½"	6' 5½"	6' 11½"	7' 5½"	7' 11½"
		Rough Opening	6' 0"	6' 6"	7' 0"	7' 6"	8' 0"
		Operating Glass	14 1/16"	15 9/16"	17 1/16"	18 9/16"	20 1/16"
2' 5½"	2' 6"	GE ADVANTAGE GLIDER END VENT					
	2' 9/16"		6026	6626	7026	7626	8026
2' 11½"	3' 0"						
	3' 9/16"		6030	6630	7030	7630	8030
3' 5½"	3' 6"						
	3' 11/16"		6036	6636	7036	7636	8036
3' 11½"	4' 0"						
	4' 9/16"		6040	6640	7040	7640	8040E
4' 5½"	4' 6"						
	4' 9/16"		6046	6646	7046	7646	8046E
4' 11½"	5' 0"						
	5' 4 9/16"		6050	6650	7050	7650	8050E

E: Denotes a unit that meets Egress.

Advantage Glider Windows

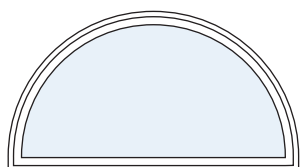
A-GL

		Unit Dimensions	5' 11½"	6' 5½"	6' 11½"	7' 5½"	7' 11½"
		Rough Opening	6' 0"	6' 6"	7' 0"	7' 6"	8' 0"
		Glass Size	22"	24"	26"	28"	30"
1' 5½"	1' 6"	APW3 ADVANTAGE PICTURE WINDOW					
			6016	6616	7016	7616	8016
1' 11½"	2' 0"						
			6020	6620	7020	7620	8020
		Unit Dimensions	5' 11½"	6' 5½"	6' 11½"	7' 5½"	7' 11½"
		Rough Opening	6' 0"	6' 6"	7' 0"	7' 6"	8' 0"
		Operating Glass	20¾"	22¾"	24¾"	26¾"	28¾"
2' 5½"	2' 6"	GC ADVANTAGE GLIDER CENTER VENT					
			6026	6626	7026	7626	8026
2' 11½"	3' 0"						
			6030	6630	7030	7630	8030E
3' 5½"	3' 6"						
			6036	6636E	7036E	7636E	8036E
3' 11½"	4' 0"						
			6040E	6640E	7040E	7640E	8040E
4' 5½"	4' 6"						
			6046E	6646E	7046E	7646E	8046E
4' 11½"	5' 0"						
			6050E	6650E	7050E	7650E	8050E

E: Denotes a unit that meets Egress.

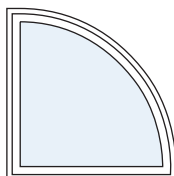
Advantage Special Shapes

A-SP



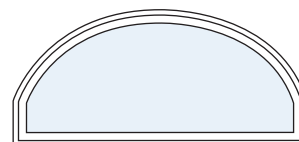
Widths from 3'0" to 7'0"
Height from 1'6" to 3'6"

Half Round



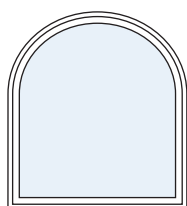
Widths from 2'0" to 6'0"
Height from 2'0" to 6'0"

Quarter Round



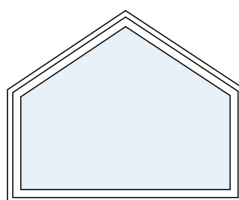
Widths from 3'0" to 8'0"
Height from 1'0" to 8'0"
30 Square Foot Maximum

Modified Arch



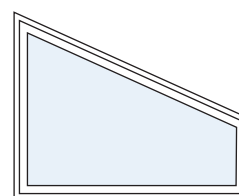
Widths from 3'0" to 8'0"
Height from 2'0" to 8'0"
30 Square Foot Maximum

Tall Arch



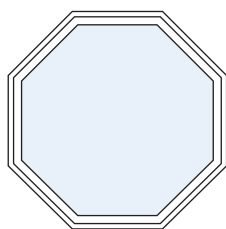
Widths from 1'0" to 8'0"
Height from 1'0" to 8'0"
30 Square Foot Maximum
Minimum Leg Height 6"

Pentoid



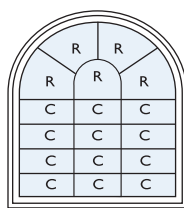
Widths from 1'0" to 8'0"
Height from 1'0" to 8'0"
30 Square Foot Maximum
Minimum Leg Height 6"

Trapezoid



Widths from 1'6" to 5'0"
Height from 1'6" to 5'0"

Octagon



The sample shown features the following lites:
Radius (R): 5 Lites
Colonial (C): 12 Lites

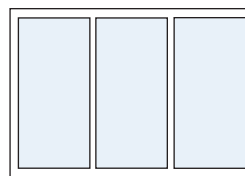
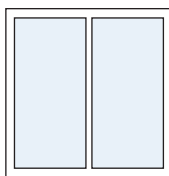
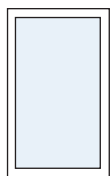
Custom Grille Layouts

Profile Measurements

Overall Frame Size	2 11/16"
Nail Fin Outboard	1 7/16"
Nail Fin Inboard	1 1/4"
Nail Fin Width	1 1/16"

Optional extension jambs and casing available. All shapes available custom sized.

Advantage Picture Windows



APWH, APWG			APW2			APW3		
	Min	Max	Min	Max		Min	Max	
W	12"	72"	24"	84"		36"	108"	
H	12"	78"	12"	78"		12"	78"	

A-PW

Add-On Jamb Dimensions

Wall Thickness	6 9/16"	6 13/16"
Jamb Size	5 5/16"	5 9/16"

Profile Measurements

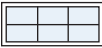
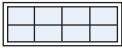
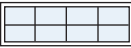
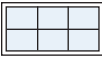
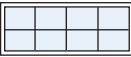
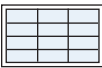
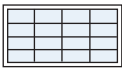
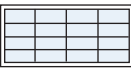
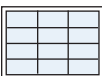
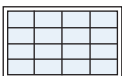
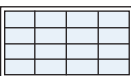
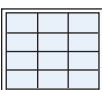
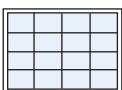
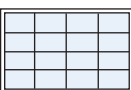
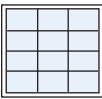
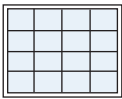
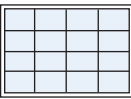
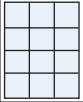
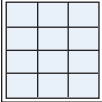
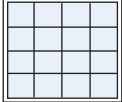
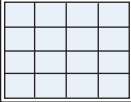
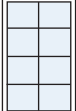
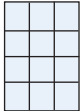
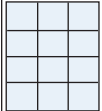
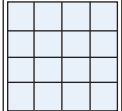
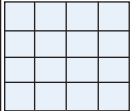
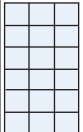
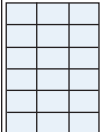
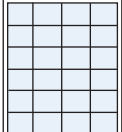
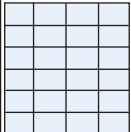
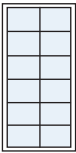
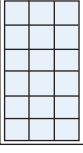
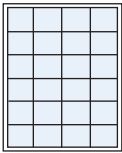
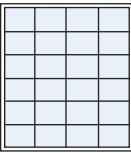
Overall Frame Size	2 11/16"
Nail Fin Outboard	17/16"
Nail Fin Inboard	1 1/4"
Nail Fin Width	1 1/16"

Daylight Openings

	W	1'6"	2'0"	2'6"	3'0"	3'6"	4'0"	4'6"	5'0"	5'6"	6'0"	6'6"	7'0"	7'6"	8'0"
H	Advantage Picture Window (APW)														
1'6"		1.56	2.19	2.81	3.44	4.06	4.69	5.31	5.94	6.55	7.19	7.50	8.11	8.71	9.31
2'0"		2.19	3.06	3.94	4.81	5.69	6.56	7.44	8.31	9.19	10.06	10.61	11.46	12.31	13.71
2'6"		2.81	3.94	5.06	6.19	7.31	8.44	9.56	10.69	11.61	12.94	13.71	14.86	15.92	17.02
3'0"		3.44	4.81	6.19	7.56	8.94	10.31	11.69	13.06	14.44	15.81	16.81	18.17	19.52	20.88
3'6"		4.06	5.69	7.31	8.94	10.56	12.19	13.81	15.44	17.06	18.69	19.92	21.52	23.13	24.73
4'0"		4.69	6.56	8.44	10.31	12.19	14.06	15.94	17.81	19.69	21.56	23.02	24.88	26.73	28.59
4'6"		5.31	7.44	9.56	11.9	13.81	15.94	18.06	20.19	22.31	24.44	26.13	28.23	30.34	32.44
5'0"		5.94	8.31	10.69	13.06	15.44	17.81	20.19	22.56	24.94	27.31	29.23	31.59	33.94	36.29

Advantage Picture Windows

A-PW

Unit Dimensions			1' 5½"	1' 11½"	2' 5½"	2' 11½"	3' 5½"	3' 11½"
Rough Opening			1' 6"	2' 0"	2' 6"	3' 0"	3' 6"	4' 0"
Glass Size			15 3/8"	21 3/8"	27 3/8"	33 3/8"	39 3/8"	45 3/8"
APWH ADVANTAGE PICTURE WINDOW (GRIDS MATCH ADVANTAGE SINGLE-HUNG WINDOWS)	1' 5½"	1' 6"						
	1' 11½"	2' 0"						
	2' 5½"	2' 6"						
	2' 11½"	3' 0"						
	3' 5½"	3' 6"						
	3' 11½"	4' 0"						
	4' 5½"	4' 6"						
	4' 11½"	5' 0"						
	5' 5½"	5' 6"						
	5' 11½"	6' 0"						
			1660	2060	2660	3060	3660	4060

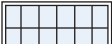
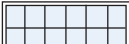
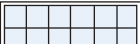
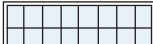
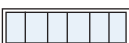
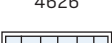
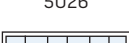
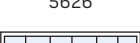
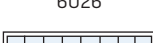
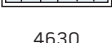
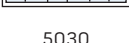
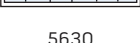
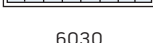
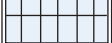
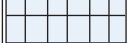
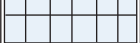
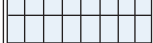
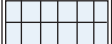
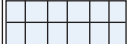
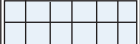
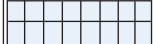
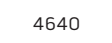
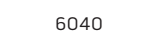
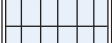
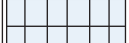
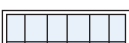
Advantage Picture Windows

Unit Dimensions		2' 5½"	2' 11½"	3' 5½"	3' 11½"	
Rough Opening		2' 6"	3' 0"	3' 6"	4' 0"	
Glass Size		27 3/8"	33 3/8"	39 3/8"	45 3/8"	
1' 5½"	1' 6"	15 3/8"	APWG ADVANTAGE PICTURE WINDOW			
		2616	3016	3616	4016	
1' 11½"	2' 0"	21 3/8"	(GRIDS MATCH ADVANTAGE GLIDERS)			
		2620	3020	3620	4020	
2' 5½"	2' 6"	27 3/8"				
		2626	3026	3626	4026	
2' 11½"	3' 0"	33 3/8"				
		2630	3030	3630	4030	
3' 5½"	3' 6"	39 3/8"				
		2636	3036	3636	4036	
3' 11½"	4' 0"	45 3/8"				
		2640	3040	3640	4040	
4' 5½"	4' 6"	51 3/8"				
		2646	3046	3646	4046	
4' 11½"	5' 0"	57 3/8"				
		2650	3050	3650	4050	
5' 5½"	5' 6"	63 3/8"				
		2656	3056	3656	4056	
5' 11½"	6' 0"	69 3/8"				
		2660	3060	3660	4060	

A-PW

Advantage Picture Windows

A-PW

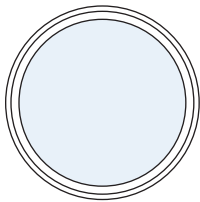
Unit Dimensions		4'5½"	4'11½"	5'5½"	5'11½"
Rough Opening		4'6"	5'0"	5'6"	6'0"
Glass Size		513/8"	573/8"	633/8"	693/8"
1'5½"	16"	APWG ADVANTAGE PICTURE WINDOW			
					
		4616	5016	5616	6016
1'11½"	2'0"	(GRIDS MATCH ADVANTAGE GLIDERS)			
					
		4620	5020	5620	6020
2'5½"	2'6"				
		4626	5026	5626	6026
2'11½"	3'0"				
		4630	5030	5630	6030
3'5½"	3'6"				
		4636	5036	5636	6036
3'11½"	4'0"				
		4640	5040	5640	6040
4'5½"	4'6"				
		4646	5046	5646	6046
4'11½"	5'0"				
		4650	5050	5650	6050
5'5½"	5'6"				
		4656	5056		
5'11½"	6'0"				
		4660	5060		

Advantage Picture Windows

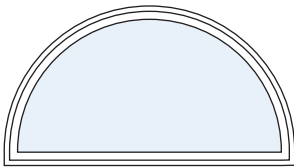
		Unit Dimensions	2' 11½"	3' 11½"	4' 11½"	5' 11½"	6' 11½"
		Rough Opening	3' 0"	4' 0"	5' 0"	6' 0"	7' 0"
		Glass Size	16"	22"	28"	34"	40"
1' 5½"	1' 6"	APW2 ADVANTAGE PICTURE WINDOW					
	15 3/8"		3016	4016	5016	6016	7016
	1' 11½"						
	2' 0"		3020	4020	5020	6020	7020
		Unit Dimensions	5' 11½"	6' 5½"	6' 11½"	7' 5½"	7' 11½"
		Rough Opening	6' 0"	6' 6"	7' 0"	7' 6"	8' 0"
		Glass Size	16 1/8"	17 5/8"	19 1/8"	20 5/8"	22 1/8"
1' 5½"	1' 6"	APW3 ADVANTAGE PICTURE WINDOW					
	15 3/8"		6016	6616	7016	7616	8016
	1' 11½"	(GRIDS MATCH ADVANTAGE GLIDER END VENT WINDOWS)					
	2' 0"		6020	6620	7020	7620	8020
		Unit Dimensions	5' 11½"	6' 5½"	6' 11½"	7' 5½"	7' 11½"
		Rough Opening	6' 0"	6' 6"	7' 0"	7' 6"	8' 0"
		Glass Size	16 1/8"	17 5/8"	19 1/8"	20 5/8"	22 1/8"
1' 5½"	1' 6"	APW3 ADVANTAGE PICTURE WINDOW					
	15 3/8"		6016	6616	7016	7616	8016
	1' 11½"	(GRIDS MATCH ADVANTAGE GLIDER CENTER VENT WINDOWS)					
	2' 0"		6020	6620	7020	7620	8020

A-PW

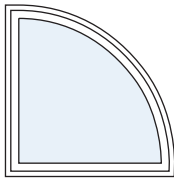
Envision Special Shapes



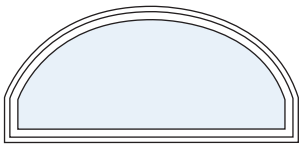
Full Circle



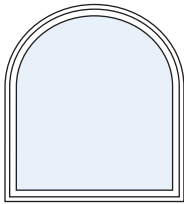
Half Round



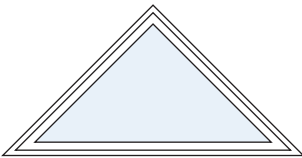
Quarter Round



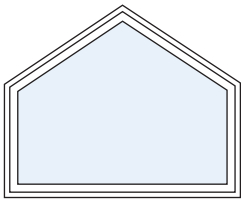
Modified Arch



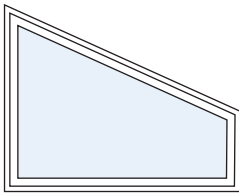
Tall Arch



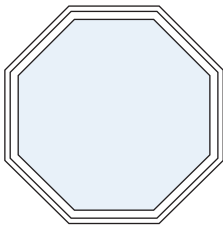
Triangle



Pentoid



Trapezoid

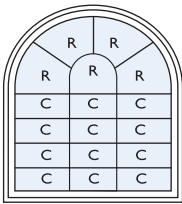


Octagon

NVSP

Profile Measurements

Overall Frame Size	3¼"
Nail Fin Outboard	1 1⁄8"
Nail Fin Inboard	2 1⁄16"
Nail Fin Width	1 1⁄8"

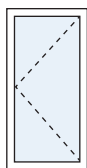


The sample shown features the following lites:
 Radius (R): 5 Lites
 Colonial (C): 12 Lites

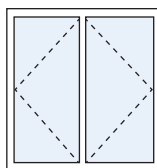
Optional extension jambs and casing available. All shapes available custom sized.

Custom Grille Layouts

Envision Casements & Awnings

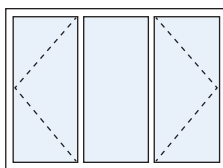


NVC1



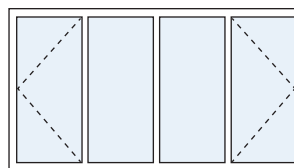
Common Frame

NVC2



Common Frame

NVC3

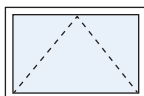


Common Frame

NVC4



NVFC



NVA1

Add-On Jamb Dimensions

Wall Thickness	69/16"	613/16"
Jamb Size	4½"	4¾"

Profile Measurements

Overall Frame Size	3¼"
Nail Fin Outboard	11/8"
Nail Fin Inboard	2 1/16"
Nail Fin Width	11/8"

NVC

Daylight Openings

	W	1'6"	2'0"	2'6"	2'8"	3'0"	3'6"	4'0"	5'0"	5'4"	6'0"
H	Envision Casement (NVC1)										
2'6"		2.26	3.30	4.34	4.69	5.38					
3'0"		2.80	4.09	5.38	5.81	6.67					
3'6"		3.34	4.88	6.42	6.94	7.97					
4'0"		3.88	5.67	7.47	8.06	9.26					
4'6"		4.42	6.47	8.51	9.19	10.55					
5'0"		4.97	7.26	9.55	10.31	11.84					
5'6"		5.51	8.05	10.59	11.44	13.13					
6'0"		6.05	8.84	11.63	12.56	14.42					
	Envision Casement Operator Picture (NVCOP)										
2'6"						4.67		6.76	8.84	9.52	10.91
3'0"						5.80		8.38	10.96	11.81	13.53
3'6"						6.92		10.00	13.07	14.11	16.15
4'0"						8.04		11.62	15.19	16.39	18.78
4'6"						9.16		13.25	17.32	18.68	21.40
5'0"						10.29		14.87	19.44	20.97	24.02
5'6"						11.41		16.49	21.56	23.26	26.64
6'0"						12.53		18.11	23.68	25.55	29.27
	Envision Fixed Casement (NVFC)										
2'6"		2.27	3.32	4.36		5.41					
3'0"		2.82	4.11	5.41		6.70					
3'6"		3.36	4.91	6.45		7.99					
4'0"		3.91	5.70	7.49		9.29					
4'6"		4.45	6.49	8.54		10.58					
5'0"		4.99	7.29	9.58		11.88					
5'6"		5.54	8.08	10.63		13.17					
6'0"		6.08	8.88	11.67		14.47					
	Envision Awning (NVA1)										
1'6"			1.72	2.26		2.80	3.34	3.88			
2'0"			2.51	3.30		4.09	4.88	5.67			
2'6"			3.30	4.34		5.38	6.42	7.47			

Envision Casements & Awnings

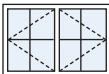
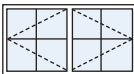
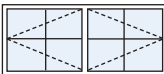
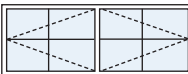
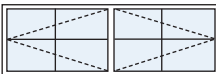
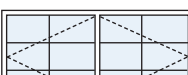
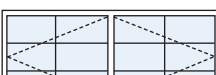
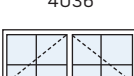
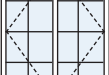
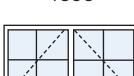
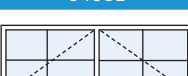
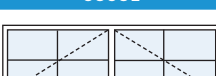
NVC

Unit Dimensions		1' 5½"	1' 11½"	2' 5½"	2' 7½"	2' 11½"	
Rough Opening		1' 6"	2' 0"	2' 6"	2' 8"	3' 0"	
Operating Glass		13 15/16"	19 15/16"	25 15/16"	27 15/16"	31 15/16"	
2' 5½"	2' 6"						
	25 15/16"		1626	2026	2626	2826	3026
	2' 11½"						
	3' 0"		1630	2030	2630	2830	3030E*
	3' 5½"						
	3' 6"		1636	2036	2636E*	2836E*	3036E
	3' 11½"						
	4' 0"		1640	2040	2640E*	2840E	3040E
4' 5½"	4' 6"						
	49 15/16"	1646	2046	2646E*	2846E	3046E	
	5' 0"						
	55 15/16"	1650	2050	2650E*	2850E	3050E	
	5' 5½"						
	5' 6"	1656	2056	2656E*	2856E	3056E	
	6' 0"						
	67 15/16"	1660	2060	2660E*	2860E	3060E	

E: Denotes a unit that meets Egress.

E*: These units meet Egress only with added Egress hardware.

Envision Casements & Awnings

Unit Dimensions		2' 11½"	3' 11½"	4' 11½"	5' 3½"	5' 11½"
Rough Opening		3' 0"	4' 0"	5' 0"	5' 4"	6' 0"
Operating Glass		14 7/16"	20 7/16"	26 7/16"	28 7/16"	32 7/16"
2' 5½" 2' 6" 2' 11½" 3' 0" 3' 5½" 3' 6" 3' 11½" 4' 0" 4' 5½" 4' 6" 4' 11½" 5' 0" 5' 5½" 5' 6" 5' 11½" 6' 0"	25 15/16"	NVC2 ENVISION TWO WIDE CASEMENT				
						
		3026	4026	5026	5426	6026
						
		3030	4030	5030	5430	6030E*
						
		3036	4036	5036E*	5436E*	6036E
						
		3040	4040	5040E*	5440E	6040E
						
		3046	4046	5046E*	5446E	6046E
						
		3050	4050	5050E*	5450E	6050E
						
		3056	4056	5056E*	5456E	6056E
						
	3060	4060	5060E*	5460E	6060E	

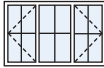
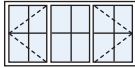
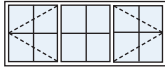
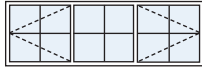
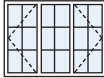
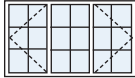
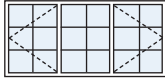
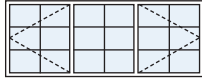
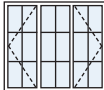
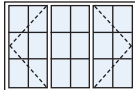
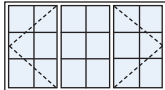
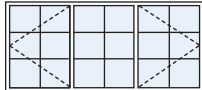
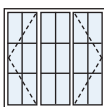
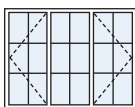
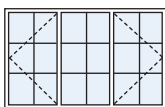
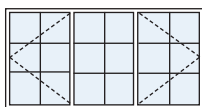
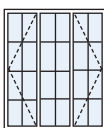
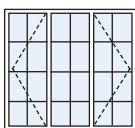
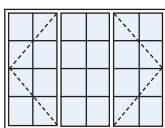
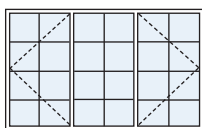
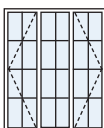
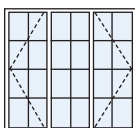
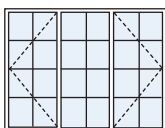
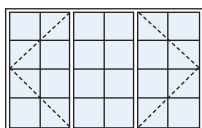
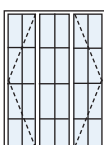
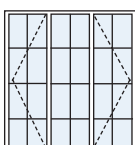
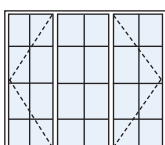
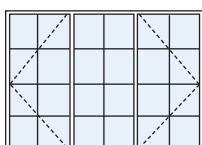
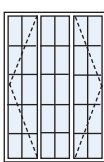
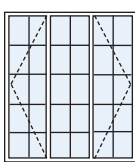
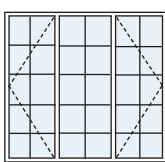
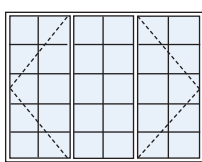
NVC

E: Denotes a unit that meets Egress.

E*: These units meet Egress only with added Egress hardware.

Envision Casements & Awnings

NVC

Unit Dimensions		4' 5½"	5' 11½"	7' 5½"	7' 11½"	
Rough Opening		4' 6"	6' 0"	7' 6"	8' 0"	
Operating Glass		14 11/16"	20 11/16"	26 11/16"	28 11/16"	
2' 5½"	2' 6"	NVC3 ENVISION THREE WIDE CASEMENT				
			4626	6026	7626	8026
2' 11½"	3' 0"					
			4630	6030	7630	8030
3' 5½"	3' 6"					
			4636	6036	7636E*	8036E*
3' 11½"	4' 0"					
			4640	6040	7640E*	8040E
4' 5½"	4' 6"					
			4646	6046	7646E*	8046E
4' 11½"	5' 0"					
			4650	6050	7650E*	8050E
5' 5½"	5' 6"					
			4656	6056	7656E*	8056E
5' 11½"	6' 0"					
			4660	6060	7660E*	8060E

E: Denotes a unit that meets Egress.

E*: These units meet Egress only with added Egress hardware.

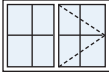
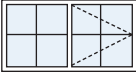
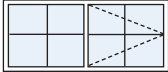
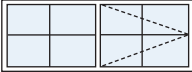
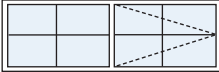
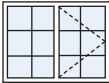
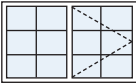
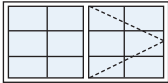
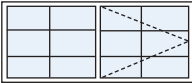
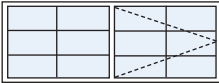
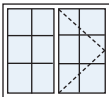
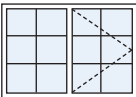
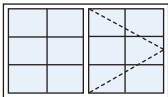
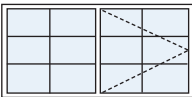
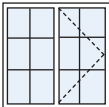
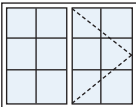
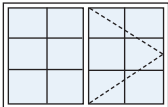
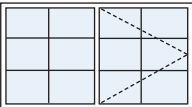
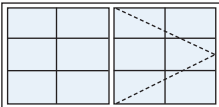
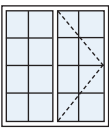
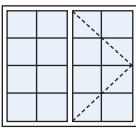
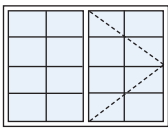
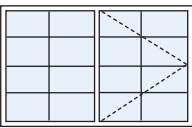
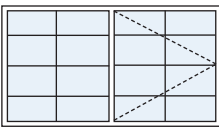
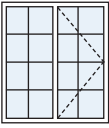
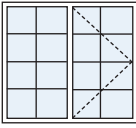
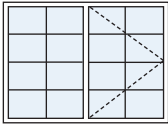
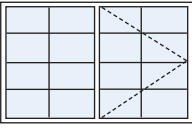
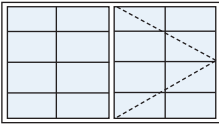
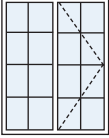
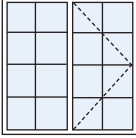
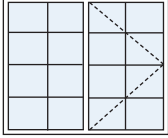
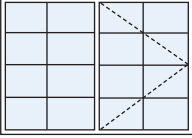
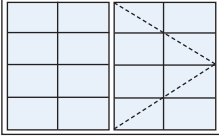
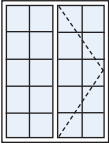
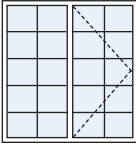
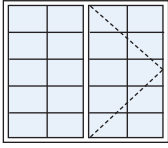
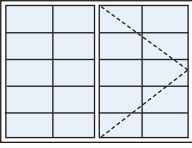
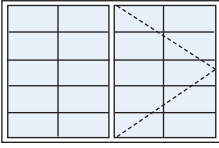
Envision Casements & Awnings

Unit Dimensions		5' 11½"	7' 11½"
Rough Opening		6' 0"	8' 0"
Operating Glass		14 11/16"	20 11/16"
NVC4 ENVISION FOUR WIDE CASEMENT	2' 5½"		
	2' 6"		
	2' 11½"		
	3' 0"		
	3' 5½"		
	3' 6"		
	3' 11½"		
	4' 0"		
	4' 5½"		
	4' 6"		
	4' 11½"		
	5' 0"		
	5' 5½"		
	5' 6"		
	5' 11½"		
	6' 0"		
	25 15/16"		
	31 15/16"		
	37 15/16"		
	43 15/16"		
	49 15/16"		
	55 15/16"		
	61 15/16"		
	67 15/16"		

NVC

Envision Casements & Awnings

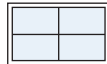
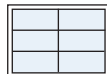
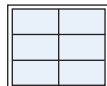
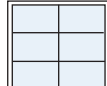
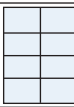
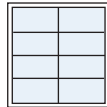
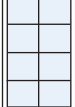
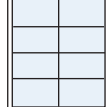
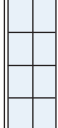
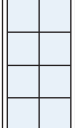
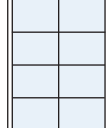
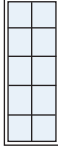
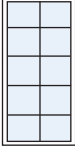
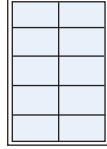
NVC

Unit Dimensions		2' 11½"	3' 11½"	4' 11½"	5' 3½"	5' 11½"							
Rough Opening		3' 0"	4' 0"	5' 0"	5' 4"	6' 0"							
Operating Glass		14 7/16"	20 7/16"	26 7/16"	28 7/16"	32 7/16"							
2' 5½" 2' 6" 25 15/16"	3' 11½" 3' 0" 31 15/16"	3' 5½" 3' 6" 37 15/16"	3' 11½" 4' 0" 43 15/16"	4' 5½" 4' 6" 49 15/16"	5' 11½" 5' 0" 55 15/16"	5' 5½" 5' 6" 61 15/16"	5' 11½" 6' 0" 67 15/16"	NVCOP ENVISION CASEMENT OPERATOR PICTURE	 3026	 4026	 5026	 5426	 6026
									 3030	 4030	 5030	 5430	 6030E*
									 3036	 4036	 5036E*	 5436E*	 6036E
									 3040	 4040	 5040E*	 5440E	 6040E
									 3046	 4046	 5046E*	 5446E	 6046E
									 3050	 4050	 5050E*	 5450E	 6050E
									 3056	 4056	 5056E*	 5456E	 6056E
									 3060	 4060	 5060E*	 5460E	 6060E

E: Denotes a unit that meets Egress.

E*: These units meet Egress only with added Egress hardware.

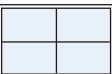
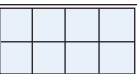
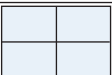
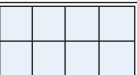
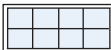
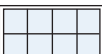
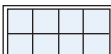
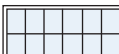
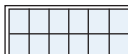
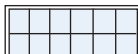
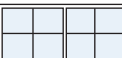
Envision Casements & Awnings

Unit Dimensions		1' 5½"	1' 11½"	2' 5½"	2' 11½"	
Rough Opening		1' 6"	2' 0"	2' 6"	3' 0"	
Glass Size		14"	20"	26"	32"	
2' 5½"	2' 6"	NVFC ENVISION FIXED CASEMENT				
	2' 11½"		1626	2026	2626	3026
	3' 0"					
	3' 5½"		1630	2030	2630	3030
	3' 6"					
	3' 11½"		1636	2036	2636	3036
	4' 0"					
	4' 4"		1640	2040	2640	3040
4' 5½"	4' 6"					
	5' 0"		1646	2046	2646	3046
	5' 6"					
	5' 11½"		1650	2050	2650	3050
	6' 0"					
	6' 2"		1656	2056	2656	3056
	6' 8"					
	6' 11½"		1660	2060	2660	3060

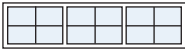
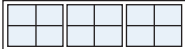
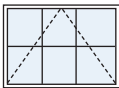
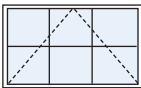
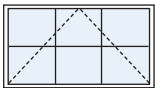
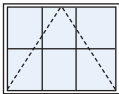
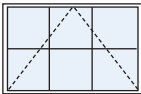
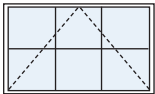
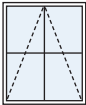
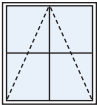
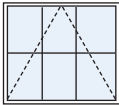
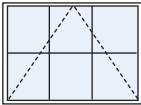
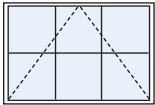
NVC

Envision Casements & Awnings

NVC

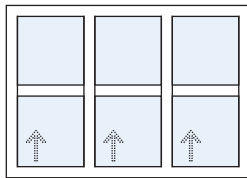
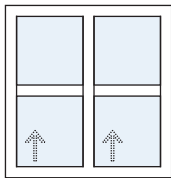
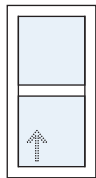
Unit Dimensions	1' 5½"	1' 11½"	2' 5½"	2' 7½"	2' 11½"	3' 11½"			
	Rough Opening								
	Glass Size								
1' 5½"	1' 6"	14"	NVFC ENVISION FIXED CASEMENT (TRANSOM SIZES)						
				1616	2016	2626	2816	3016	4016
									
				1620	2020	2620	2820	3020	4020
Unit Dimensions		4' 5½"	4' 11½"	5' 3½"	5' 11½"	7' 5½"	7' 11½"		
Rough Opening		4' 6"	5' 0"	5' 4"	6' 0"	7' 6"	8' 0"		
Glass Size		50"	56"	60"	68"	86"	92"		
1' 5½"	1' 6"	14"	NVFC ENVISION FIXED CASEMENT (TRANSOM SIZES)						
				4616	5016	5416	6016	7616	8016
									
				4620	5020	5420	6020	7620	8020
Unit Dimensions		2' 11½"	3' 11½"	4' 11½"	5' 3½"	5' 11½"			
Rough Opening		3' 0"	4' 0"	5' 0"	5' 4"	6' 0"			
Glass Size		14 3/8"	20 3/8"	26 3/8"	28 3/8"	32 3/8"			
1' 5½"	1' 6"	13 7/8"	NVFC2 ENVISION 2 LITE FIXED CASEMENT						
				3016	4016	5016	5416	6016	
									
				3020	4020	5020	5420	6020	

Envision Casements & Awnings

		Unit Dimensions	4' 5½"	5' 11½"	7' 5½"	7' 11½"		
		Rough Opening	4' 6"	6' 0"	7' 6"	8' 0"		
		Glass Size	14 5/8"	20 5/8"	26 5/8"	28 5/8"		
1' 5½"	1' 6"	13' 7/8"	NVFC3 ENVISION 3 LITE FIXED CASEMENT					
				4616	6016	7616	8016	
1' 11½"	2' 0"	19' 7/8"						
			4620	6020	7620	8020		
		Unit Dimensions	5' 11½"	7' 11½"				
		Rough Opening	6' 0"	8' 0"				
		Glass Size	14 5/8"	20 5/8"				
1' 5½"	1' 6"	13' 7/8"	NVFC4 ENVISION 4 LITE FIXED CASEMENT					
				6016	8016			
1' 11½"	2' 0"	19' 7/8"						
			6020	8020				
		Unit Dimensions	1' 11½"	2' 5½"	2' 11½"	3' 5½"	3' 11½"	
		Rough Opening	2' 0"	2' 6"	3' 0"	3' 6"	4' 0"	
		Operating Glass	19 15/16"	25 15/16"	31 15/16"	37 15/16"	43 15/16"	
1' 5½"	1' 6"	13' 15/16"	NVA1 ENVISION AWNING					
				2016	2616	3016	3616	4016
1' 11½"	2' 0"	19' 15/16"						
			2020	2620	3020	3620	4020	
2' 5½"	2' 6"	25' 15/16"						
			2026	2626	3026	3626	4026	

NVC

Envision Single Hung Windows



Common Frame

Common Frame

NVH1

NVH2

NVH3

Add-On Jamb Dimensions

Wall Thickness	6 9/16"	6 13/16"
Jamb Size	4 1/2"	4 3/4"

Profile Measurements

Overall Frame Size	3 1/4"
Nail Fin Outboard	1 1/8"
Nail Fin Inboard	2 1/16"
Nail Fin Width	1 1/8"

NVH

Daylight Openings

	W	1'6"	2'0"	2'6"	3'0"	3'6"	4'0"
H	Envision Single Hung (NVH1)						
2'6"		1.91	2.87	3.81	4.75	5.71	6.65
3'0"		2.42	3.62	4.82	6.02	7.22	8.41
3'6"		2.93	4.37	5.82	7.27	8.72	10.17
4'0"		3.43	5.13	6.83	8.53	10.23	11.92
4'6"		3.94	5.88	7.84	9.78	11.72	13.68
5'0"		4.44	6.64	8.84	11.03	13.23	15.43
5'6"		4.95	7.39	9.85	12.29	14.74	17.19
6'0"		5.46	8.15	10.84	13.54	16.24	18.94

Envision Single Hung Windows

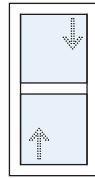
Unit Dimensions		1' 5½"	1' 11½"	2' 5½"	2' 11½"	3' 5½"	3' 11½"
Rough Opening		1' 6"	2' 0"	2' 6"	3' 0"	3' 6"	4' 0"
Operating Glass		12¾"	18¾"	24¾"	30¾"	36¾"	42¾"
NVH1 ENVISION SINGLE HUNG	2' 5½"						
	2' 6"	1626	2026	2626	3026	3626	4026
	2' 11½"						
	3' 0"	1630	2030	2630	3030	3630	4030
	3' 5½"						
	3' 6"	1636	2036	2636	3036	3636	4036
	3' 11½"						
	4' 0"	1640	2040	2640	3040	3640	4040
	4' 5½"						
	4' 6"	1646	2046	2646	3046	3646	4046
	4' 11½"						
	5' 0"	1650	2050	2650	3050	3650E	4050E
	5' 5½"						
	5' 6"	1656	2056	2656	3056E	3656E	4056E
	5' 11½"						
	6' 0"	1660	2060	2660	3060E	3660E	4060E

NVH

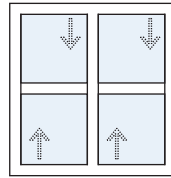
NVH1-3350 & NVH1-3054 meet Egress but are not shown.

E: Denotes a unit that meets Egress.

Envision Double Hung Windows

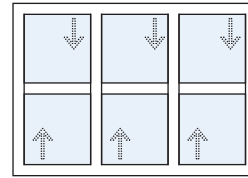


NVDH1



Common Frame

NVDH2



Common Frame

NVDH3

Add-On Jamb Dimensions

Wall Thickness	6 9/16"	6 13/16"
Jamb Size	4½"	4¾"

Profile Measurements

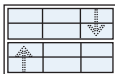
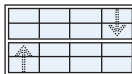
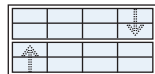
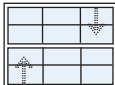
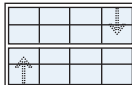
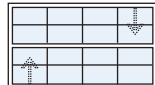
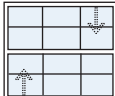
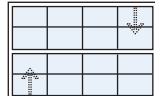
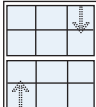
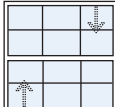
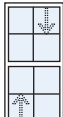
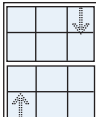
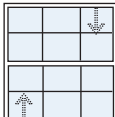
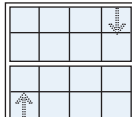
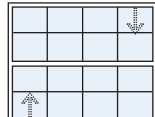
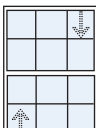
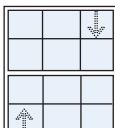
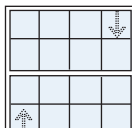
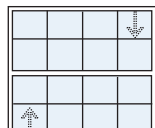
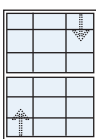
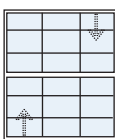
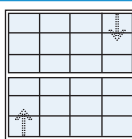
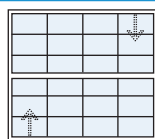
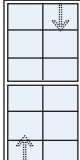
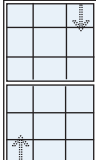
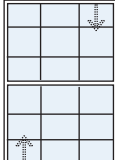
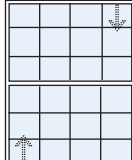
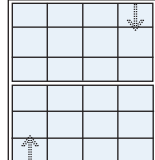
Overall Frame Size	3¼"
Nail Fin Outboard	1 1/8"
Nail Fin Inboard	2 1/16"
Nail Fin Width	1 1/8"

NVH

Daylight Openings

	W	1'6"	2'0"	2'6"	3'0"	3'6"	4'0"
H	Envision Double Hung (NVDH1)						
2'6"		1.76	2.69	3.62	4.56	5.48	6.42
3'0"		2.23	3.41	4.60	5.78	6.96	8.14
3'6"		2.70	4.14	5.56	7.00	8.43	9.86
4'0"		3.18	4.86	6.54	8.22	9.90	11.58
4'6"		3.64	5.58	7.50	9.44	11.38	13.30
5'0"		4.12	6.30	8.48	10.66	12.84	15.02
5'6"		4.58	7.02	9.45	11.88	14.32	16.75
6'0"		5.06	7.74	10.42	13.10	15.78	18.47

Envision Double Hung Windows

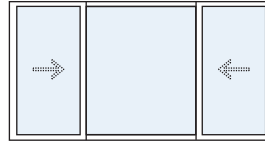
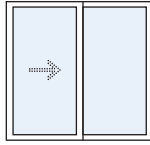
Unit Dimensions		1' 5½"	1' 11½"	2' 5½"	2' 11½"	3' 5½"	3' 11½"	
Rough Opening		1' 6"	2' 0"	2' 6"	3' 0"	3' 6"	4' 0"	
Operating Glass		12¾"	18¾"	24¾"	30¾"	36¾"	42¾"	
Top Sash 1" Narrower		11¾"	17¾"	23¾"	29¾"	35¾"	41¾"	
2' 5½"	2' 6"							
	12 1/8"		1626	2026	2626	3026	3626	4026
2' 11½"	3' 0"							
	15 1/8"		1630	2030	2630	3030	3630	4030
3' 5½"	3' 6"							
	18 1/8"		1636	2036	2636	3036	3636	4036
3' 11½"	4' 0"							
	21 1/8"		1640	2040	2640	3040	3640	4040
4' 5½"	4' 6"							
	24 1/8"		1646	2046	2646	3046	3646	4046
4' 11½"	5' 0"							
	27 1/8"		1650	2050	2650	3050	3650E	4050E
5' 5½"	5' 6"							
	30 1/8"		1656	2056	2656	3056E	3656E	4056E
5' 11½"	6' 0"							
	33 1/8"		1660	2060	2660	3060E	3660E	4060E

NVH

NVDH1-3350 & NVDH1-3054 meet Egress but are not shown.

E: Denotes a unit that meets Egress.

Envision Glider Windows



NVG1

NVGE

Add-On Jamb Dimensions

Wall Thickness	6 9/16"	6 13/16"
Jamb Size	4 1/2"	4 3/4"

Profile Measurements

Overall Frame Size	3 1/4"
Nail Fin Outboard	1 1/8"
Nail Fin Inboard	2 1/16"
Nail Fin Width	1 1/8"

Daylight Openings

W	2'6"	3'0"	3'6"	4'0"	4'6"	5'0"	5'6"	6'0"	6'6"	7'0"	7'6"	8'0"
H	Envision Glider (NVG1)											
2'0"	2.84	3.61	4.36	5.12	5.89	6.64	7.41					
2'6"	3.78	4.79	5.80	6.81	7.83	8.83	9.84					
3'0"	4.71	5.97	7.23	8.50	9.75	11.02	12.28					
3'6"	5.65	7.16	8.67	10.18	11.69	13.20	14.72					
4'0"		8.34	10.11	11.87	13.62	15.39	17.14					
4'6"		9.53	11.54	13.55	15.56	17.57	19.58					
5'0"		10.71	12.98	15.23	17.50	19.76	22.01					
	Envision Glider End Vent (NVGE)											
2'6"								10.46	11.47	12.48	13.49	14.50
3'0"								13.04	14.31	15.57	16.82	18.10
3'6"								15.64	17.14	18.66	20.16	21.68
4'0"								18.22	19.98	21.75	23.49	25.25
4'6"								20.80	22.81	24.82	26.82	28.85
5'0"								23.40	25.65	27.91	30.18	32.43
	Envision Double Glider (NVDG)											
2'0"	2.54	3.24	3.94	4.64	5.34	6.02	6.72					
2'6"	3.46	4.42	5.36	6.30	7.24	8.20	9.14					
3'0"	4.38	5.58	6.78	7.96	9.16	10.36	11.56					
3'6"	5.30	6.74	8.20	9.64	11.08	12.52	13.98					
4'0"		7.92	9.60	11.30	13.00	14.70	16.38					
4'6"		9.08	11.02	12.96	14.92	16.86	18.80					
5'0"		10.24	12.44	14.64	16.84	19.02	21.22					

NVG

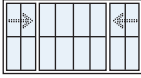
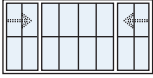
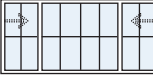
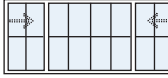
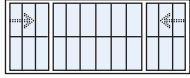
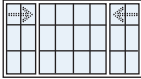
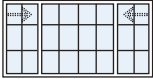
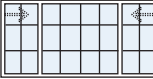
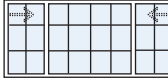
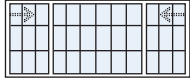
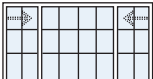
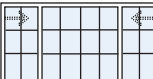
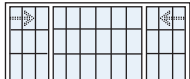
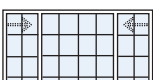
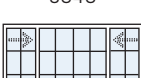
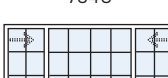
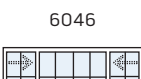
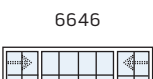
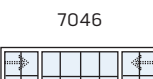
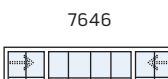
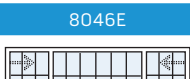
Envision Glider Windows

Unit Dimensions		2' 5"	2' 11"	3' 5"	3' 11½"	4' 5"	4' 11½"	5' 5"	5' 11½"
Rough Opening		2' 6"	3' 0"	3' 6"	4' 0"	4' 6"	5' 0"	5' 6"	6' 0"
Operating Glass		12 3/16"	15 3/16"	18 3/16"	21 3/16"	24 3/16"	27 3/16"	30 3/16"	33 3/16"
1' 11½" 2' 0" 18' 7/8"	NVG1 ENVISION GLIDER								
		2620	3020	3620	4020	4620	5020	5620	6020
		2626	3026	3626	4026	4626	5026	5626	6026
		2630	3030	3630	4030	4630	5030	5630E	6030E
		2636	3036	3636	4036	4636E	5036E	5636E	6036E
3' 11½" 4' 0" 42' 7/8"									
		3040	3640	4040E	4640E	5040E	5640E	6040E	
		3046	3646	4046E	4646E	5046E	5646E	6046E	
		3050	3650	4050E	4650E	5050E	5650E	6050E	

E: Denotes a unit that meets Egress.

NVG

Envision Glider Windows

Unit Dimensions		5' 11½"	6' 5½"	6' 11½"	7' 5½"	7' 11½"
Rough Opening		6' 0"	6' 6"	7' 0"	7' 6"	8' 0"
Operating Glass		14 15/16"	16 7/16"	17 15/16"	19 7/16"	20 15/16"
NVGE ENVISION GLIDER END VENT	2' 5½"					
		6026	6626	7026	7626	8026
	2' 11½"					
		6030	6630	7030	7630	8030
	3' 5½"					
		6036	6636	7036	7636	8036
NVGE ENVISION GLIDER END VENT	3' 11½"					
		6040	6640	7040	7640	8040E
	4' 5½"					
		6046	6646	7046	7646	8046E
	5' 0"					
		6050	6650	7050	7650	8050E

E: Denotes a unit that meets Egress.

NVG

Envision Glider Windows

Unit Dimensions		2'5½"	2'11½"	3'5½"	3'11½"	4'5½"	4'11½"	5'5½"	5'11½"
Rough Opening		2'6"	3'0"	3'6"	4'0"	4'6"	5'0"	5'6"	6'0"
Operating Glass		11 15/16"	14 15/16"	17 15/16"	20 15/16"	23 15/16"	26 15/16"	29 15/16"	32 15/16"
1' 11½" 2' 0" 2' 5½" 2' 11½" 3' 5½" 3' 11½" 4' 5½" 4' 11½"	17 5/8"	NVDG ENVISION DOUBLE GLIDER							
		2620	3020	3620	4020	4620	5020	5620	6020
		2626	3026	3626	4026	4626	5026	5626	6026
		2630	3030	3630	4030	4630	5030	5630E	6030E
		2636	3036	3636	4036	4636	5036E	5636E	6036E
		3040	3640	4040	4640E	5040E	5640E	6040E	
		3046	3646	4046	4646E	5046E	5646E	6046E	
		3050	3650	4050	4650E	5050E	5650E	6050E	

E: Denotes a unit that meets Egress.

NVG

Envision Picture Windows



NVPWH & NVPWG

Add-On Jamb Dimensions

Wall Thickness	6 9/16"	6 13/16"
Jamb Size	4½"	4¾"

Profile Measurements

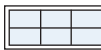
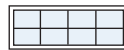
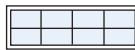
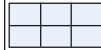
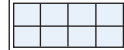
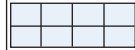
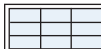
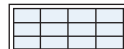
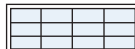
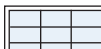
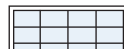
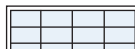
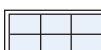
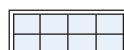
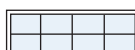
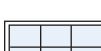
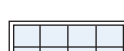
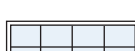
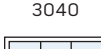
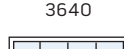
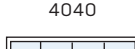
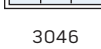
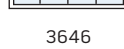
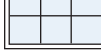
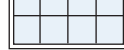
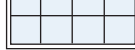
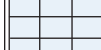
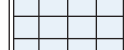
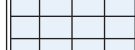
Overall Frame Size	3¼"
Nail Fin Outboard	1 1/8"
Nail Fin Inboard	2 1/16"
Nail Fin Width	1 1/8"

Daylight Openings

	W	1'6"	2'0"	2'6"	3'0"	3'6"	4'0"	4'6"
H	Envision Picture Window (NVPW)							
1'6"		1.07	1.59	2.11	2.63	3.15	3.67	4.18
2'0"		1.59	2.36	3.13	3.90	4.67	5.43	6.20
2'6"		2.11	3.13	4.15	5.17	6.18	7.20	8.22
3'0"		2.63	3.90	5.17	6.43	7.70	8.97	10.24
3'6"		3.15	4.67	6.18	7.70	9.22	10.74	12.26
4'0"		3.67	5.43	7.20	8.97	10.74	12.51	14.27
4'6"		4.18	6.20	8.22	10.24	12.26	14.27	16.29
5'0"		4.70	6.97	9.24	11.51	13.77	16.04	18.31
5'6"		5.22	7.74	10.26	12.77	15.29	17.81	
6'0"		5.74	8.51	11.27	14.04	16.81	19.58	

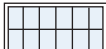
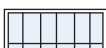
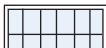
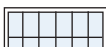
NVPW

Envision Picture Windows

Unit Dimensions		1' 5½"	1' 11½"	2' 5½"	2' 11½"	3' 5½"	3' 11½"	
Rough Opening		1' 6"	2' 0"	2' 6"	3' 0"	3' 6"	4' 0"	
Glass Size		13 3/8"	19 3/8"	25 3/8"	31 3/8"	37 3/8"	43 3/8"	
1' 5½"	1' 6"	NVPWH ENVISION PICTURE WINDOW (GRIDS MATCH ENVISION HUNG WINDOWS)						
	13 3/8"		1616	2016	2616	3016	3616	4016
1' 11½"	2' 0"							
	19 3/8"		1620	2020	2620	3020	3620	4020
2' 5½"	2' 6"							
	25 3/8"		1626	2026	2626	3026	3626	4026
2' 11½"	3' 0"							
	31 3/8"		1630	2030	2630	3030	3630	4030
3' 5½"	3' 6"							
	37 3/8"		1636	2036	2636	3036	3636	4036
3' 11½"	4' 0"							
	43 3/8"		1640	2040	2640	3040	3640	4040
4' 5½"	4' 6"							
	49 3/8"		1646	2046	2646	3046	3646	4046
4' 11½"	5' 0"							
	55 3/8"		1650	2050	2650	3050	3650	4050
5' 5½"	5' 6"							
	61 3/8"		1656	2056	2656	3056	3656	4056
5' 11½"	6' 0"							
	67 3/8"		1660	2060	2660	3060	3660	4060

NVPW

Envision Picture Windows

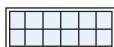
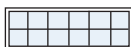
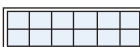
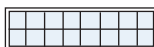
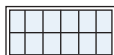
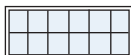
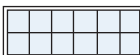
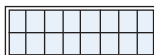
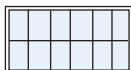
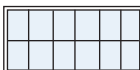
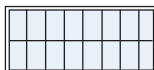
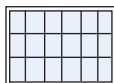
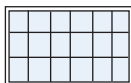
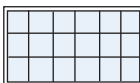
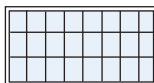
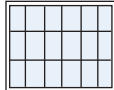
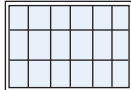
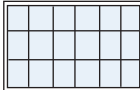
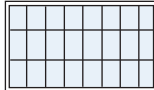
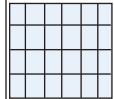
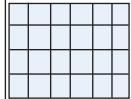
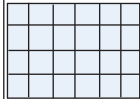
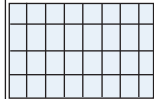
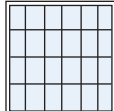
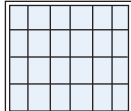
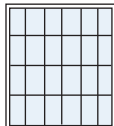
Unit Dimensions		2' 5½"	2' 11½"	3' 5½"	3' 11½"
Rough Opening		2' 6"	3' 0"	3' 6"	4' 0"
Glass Size		25 3/8"	31 3/8"	37 3/8"	43 3/8"
1' 5½"	1' 6"	 2616	 3016	 3616	 4016
1' 11½"	2' 0"				
2' 5½"	2' 6"	 2620	 3020	 3620	 4020
2' 11½"	3' 0"				
3' 5½"	3' 6"	 2626	 3026	 3626	 4026
3' 11½"	4' 0"				
4' 5½"	4' 6"	 2630	 3030	 3630	 4030
5' 0"	5' 3/8"				
		 2636	 3036	 3636	 4036
		 2640	 3040	 3640	 4040
		 2646	 3046	 3646	 4046
		 2650	 3050	 3650	 4050

NVPWG
ENVISION
PICTURE WINDOW

(GRIDS MATCH
ENVISION
GLIDERS)

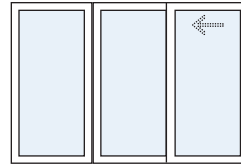
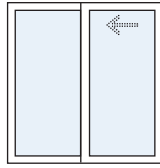
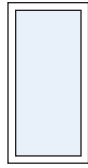
NVPW

Envision Picture Windows

Unit Dimensions		4' 5½"	4' 11½"	5' 5½"	5' 11½"	
Rough Opening		4' 6"	5' 0"	5' 6"	6' 0"	
Glass Size		49 3/8"	55 3/8"	61 3/8"	67 3/8"	
1' 5½"	1' 6"	NVPWG ENVISION PICTURE WINDOW (GRIDS MATCH ENVISION GLIDERS)				
			4616	5016	5616	6016
1' 11½"	2' 0"					
			4620	5020	5620	6020
2' 5½"	2' 6"					
			4626	5026	5626	6026
2' 11½"	3' 0"					
			4630	5030	5630	6030
3' 5½"	3' 6"					
		4636	5036	5636	6036	
3' 11½"	4' 0"					
		4640	5040	5640	6040	
4' 5½"	4' 6"					
		4646	5046			
4' 11½"	5' 0"					
		4650				

NVPW

Full View Sliding Patio Doors



	FVPDSL		FVPD		FVPD/FVPDSL		FVPDT	
	Min	Max	Min	Max	Min	Max	Min	Max
W	12"	48"	48"	96"	90"	144"	12"	96"
H	60"	82"	60"	82"	60"	82"	12"	82"

*Height and width cannot exceed 180 united inches

Add-On Jamb Dimensions

Wall Thickness	6 9/16"	6 13/16"
Jamb Size	3 3/4"	4"

Profile Measurements

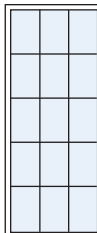
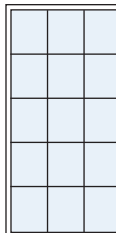
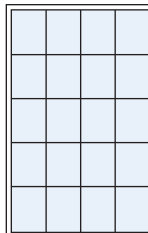
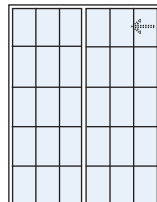
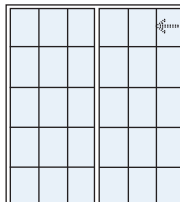
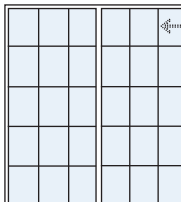
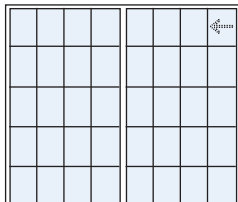
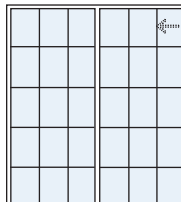
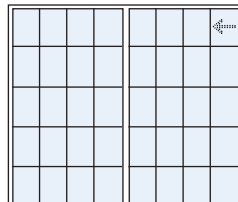
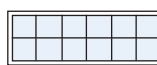
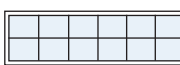
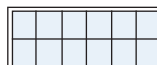
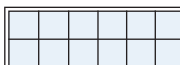
Overall Frame Size	4 5/16"
Nail Fin Outboard	17/16"
Nail Fin Inboard	2 13/16"
Nail Fin Width	11/16"

Daylight Openings

	W	2'6 1/4"	3'1/4"	4'1/4"	5'0"	6'0"	6'4"	8'0"
H	Patio Door Sidelite (FVPDSL)							
6'8"		13.07	16.07	22.09				
	Slide Patio Door (FVPD)							
6'8"					26.14	32.14	34.16	44.18
6'10"						33.04		45.40
	Patio Transom Unit (FVPDT)							
1'6"					5.35	6.50		
2'0"					7.68	9.33		

FVPD

Full View Sliding Patio Doors

6'7½"	6'8"	73 1/8"	Unit Dimensions	2'5¾"	2'11¼"	3'11¼"	
			Rough Opening	2'6¼"	3'¼"	4'¼"	
			Operating Glass	27"	33"	45"	
			FVPDSL PATIO DOOR SIDELITE				
				2668	3068	4068	
6'7½"	6'8"	73 1/8"	Unit Dimensions	4'11½"	5'11½"	6'3½"	7'11½"
			Rough Opening	5'0"	6'0"	6'4"	8'0"
			Operating Glass	27"	33"	35"	45"
			FVPD SLIDE PATIO DOOR				
				5068	6068	6468	8068
6'9½"	6'10"	75 1/8"	Unit Dimensions	5'11½"	7'11½"		
			Rough Opening	6'0"	8'0"		
			Operating Size	33"	45"		
			FVPD SLIDE PATIO DOOR				
				60610	80610		
1'5½"	1'6"	14¾"	Unit Dimensions	4'11½"	5'11½"		
			Rough Opening	5'0"	6'0"		
			Glass Size	56¾"	68¾"		
			FVPDT PATIO TRANSOM UNIT				
				5016	6016		
1'11½"	2'0"	20¾"					
				5020	6020		

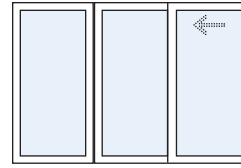
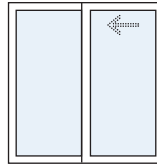
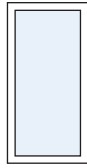
FVPDSL Notes: R.O. Width ¼" Larger Than Call Out

Mulled to FVPD R.O. = sum of call out.

Example: FVPDSL 3068 mulled to FVPD 6068 = R.O. 9'0" x 6'8".

FVPD

Full View Elite Sliding Patio Doors



	FVEPDSL		FVEPD		FVEPD/FVEPDSL		FVEPDT	
	Min	Max	Min	Max	Min	Max	Min	Max
W	13.1875"	48"	48"	96"	90"	144"	12"	96"
H	60"	96"	60"	96"	60"	96"	12"	96"

*Maximum opening cannot exceed 64 square feet.

Add-On Jamb Dimensions

Wall Thickness	6 9/16"	6 13/16"
Jamb Size	3 9/16"	3 3/16"

Profile Measurements

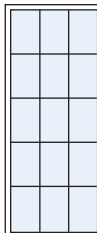
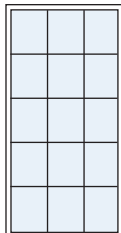
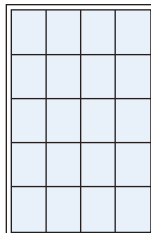
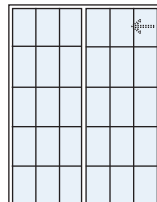
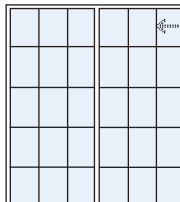
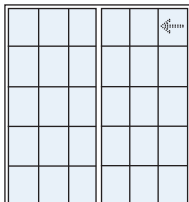
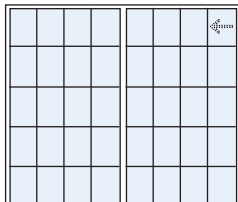
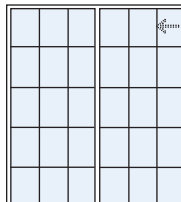
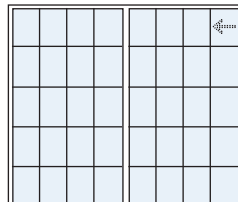
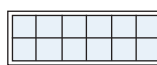
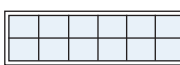
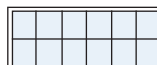
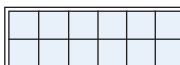
Overall Frame Size	4 5/16"
Nail Fin Outboard	1 1/4"
Nail Fin Inboard	3"
Nail Fin Width	1 1/16"

Daylight Openings

	W	2'6 1/4"	3'1 1/4"	4'1 1/4"	5'0"	6'0"	6'4"	8'0"
H	Patio Door Sidelite (FVEPDSL)							
6'8"		12.89	15.9	21.94				
	Slide Patio Door (FVEPD)							
6'8"					26.03	32.07	34.08	44.13
6'10"						32.95		45.35
	Patio Transom Unit (FVEPDT)							
1'6"					5.15	6.26		
2'0"					7.45	9.07		

FVEPD

Full View Elite Sliding Patio Doors

		Unit Dimensions		2'5¾"		2'11¼"		3'11¼"			
		Rough Opening		2'6¼"		3'¼"		4'¼"			
		Fixed Glass		26 9/16"		32 9/16"		44 9/16"			
6'7½"	6'8"	73 5/16"	FVEPDSL PATIO DOOR SIDELITE								
				2668		3068		4068			
		Unit Dimensions		4'11½"		5'11½"		6'3½"		7'11½"	
		Rough Opening		5'0"		6'0"		6'4"		8'0"	
		Operating Glass		26 13/16"		32 13/16"		34 13/16"		44 13/16"	
6'7½"	6'8"	73 5/16"	FVEPD SLIDE PATIO DOOR								
				5068		6068		6468		8068	
		Unit Dimensions		5'11½"		7'11½"					
		Rough Opening		6'0"		8'0"					
		Operating Size		32 13/16"		44 13/16"					
6'9½"	6'10"	75 5/16"	FVEPD SLIDE PATIO DOOR								
				60610		80610					
		Unit Dimensions		4'11½"		5'11½"					
		Rough Opening		5'0"		6'0"					
		Glass Size		56 5/16"		68 5/16"					
1'5½"	1'6"	14 5/16"	FVEPDT PATIO TRANSOM UNIT								
				5016		6016					
1'11½"	2'0"	20 5/16"									
				5020		6020					

FVEPDSL Notes: R.O. Width ¼" Larger Than Call Out

Mulled to FVPD R.O. = sum of call out.

Example: FVPDSL 3068 mulled to FVPD 6068 = R.O. 9'0" x 6'8".

FVEPD

Test Performance Data

All Envision products meet or exceed the published results shown below for structural strength and air infiltration. Furthermore, all Vector windows and doors are tested and certified for thermal performance by National Fenestration Rating Council (NFRC). Quality and performance are assured through testing and plant inspections.

All data provided in accordance with all American Society for Testing and Materials (ASTM) guidelines set forth in NFRC-100/200/500 and AAMA / WDMA/CSA 101/I.S. 2/A440, NAFS - North American Fenestration Standard/Specification for Windows, Doors and Skylights.

Due to continued ongoing product testing, the information provided can be changed by Vector at any time without notification. This data supersedes any previous data published by Vector.

Structural Performance Data

Product	Size Tested	Air Infiltration	Structural Performance	Water Resistance
Advantage Gliders	72" x 60"	.12 cfm/ft ²	HS-R20	5.43 PSF
Advantage Picture Windows	60" x 60"	<.01 cfm/ft ²	LC-PG30	6.00 PSF
Advantage Single-Hung	48" x 78"	.14 cfm/ft ²	H-LC30	6.90 PSF
Envision Casement Window	36" x 75"	.02 cfm/ft ²	R-PG50	11.28 PSF
Envision Awning Window	48" x 32"	.02 cfm/ft ²	LC-PG55	12.11 PSF
Envision Casement Fixed Window	72" x 75"	<.01 cfm/ft ²	CW-PG50	12.11 PSF
Envision Single-Hung Window	48" x 75"	.04 cfm/ft ²	LC-PG45	7.52 PSF
Envision Double-Hung Window	48" x 75"	.05 cfm/ft ²	LC-PG30	8.35 PSF
Envision Single Glider Window	72" x 60"	.11 cfm/ft ²	LC-PG40	6.06 PSF
Envision End Vent Glider (1/4-1/2-1/4)	108" x 60"	.11 cfm/ft ²	LC-PG35	5.43 PSF
Envision End Vent Glider (1/3-1/3-1/3)	108" x 60"	.11 cfm/ft ²	LC-PG35	5.43 PSF
Envision Double Glider Window	72" x 60"	.07 cfm/ft ²	LC-PG25	9.19 PSF
Envision Picture Window	72" x 75"	.01 cfm/ft ²	CW-PG35	12.11 PSF
Full View Sliding Patio Doors	96" x 80"	.10 cfm/ft ²	R-PG20	5.43 PSF
Full View Elite Sliding Patio Doors	72" x 80"	.07 cfm/ft ²	SD-R50	7.52 PSF

Air Infiltration: ASTM E283 cubic feet per minute of air leakage per square footage of window or door.

Structural Performance: ASTM E330 pressure shown applied positive and negative to unit and held for 10 seconds, with no damage allowed.

Forced Entry Resistance: ASTM F 588 for windows, ASTM F 842 for patio doors.

Please go to Vector Windows website to see most current performance data.
www.vectorwindows.com

Test Performance Data

NFRC: Thermal & Solar Values		U-Value	R-Value	Solar Heat Gain		Visible Light		Condensation Resistance
Product		with or w/o Grilles	with or w/o Grilles	w/o Grilles	with Grilles	w/o Grilles	with Grilles	with or w/o Grilles
Advantage Single Hung Window	LoE3	0.29	3.45	0.22	0.20	0.51	0.46	60
	LoE2	0.30	3.33	0.33	0.30	0.57	0.51	60
Advantage Single Glider Window	LoE3	0.29	3.45	0.22	0.20	0.51	0.46	61
	LoE2	0.30	3.33	0.33	0.30	0.57	0.51	60
Advantage Picture Window	LoE3	0.27	3.70	0.24	0.22	0.57	0.51	62
	LoE2	0.27	3.70	0.37	0.34	0.64	0.57	61
Envision Casement Dual Pane	LoE3	0.25	4.00	0.20	0.19	0.47	0.43	61
	LoE2	0.26	3.85	0.31	0.28	0.53	0.48	60
Envision Casement Triple Pane	LoE3	0.17	5.88	0.18	0.16	0.34	0.31	71
	LoE2	0.17	5.88	0.26	0.24	0.42	0.38	70
Envision Awning Dual Pane	LoE3	0.25	4.00	0.20	0.19	0.47	0.43	59
	LoE2	0.26	3.85	0.31	0.28	0.53	0.48	59
Envision Awning Triple Pane	LoE3	0.17	5.88	0.18	0.16	0.34	0.31	71
	LoE2	0.17	5.88	0.26	0.24	0.42	0.38	71
Envision Casement Fixed Dual Pane	LoE3	0.24	4.17	0.23	0.21	0.54	0.49	60
	LoE2	0.25	4.00	0.35	0.32	0.60	0.54	59
Envision Casement Fixed Triple Pane	LoE3	0.15	6.67	0.20	0.18	0.39	0.35	71
	LoE2	0.16	6.25	0.30	0.27	0.48	0.43	70
Envision Single Hung Dual Pane	LoE3	0.27	3.70	0.21	0.19	0.51	0.45	57
	LoE2	0.28	3.57	0.32	0.29	0.56	0.50	56
Envision Single Hung Triple Pane	LoE3	0.18	5.56	0.19	0.17	0.36	0.32	72
	LoE2	0.18	5.56	0.28	0.25	0.45	0.40	72
Envision Double Hung Dual Pane	LoE3	0.27	3.70	0.21	0.19	0.49	0.44	60
	LoE2	0.27	3.70	0.32	0.29	0.55	0.49	60
Envision Double Hung Triple Pane	LoE3	0.18	5.56	0.18	0.17	0.36	0.32	71
	LoE2	0.19	5.26	0.27	0.24	0.44	0.39	70

Please go to Vector Windows website to see most current performance data.
www.vectorwindows.com

Test Performance Data

NFRC: Thermal & Solar Values

Envision Single Glider Dual Pane	LoE3	0.27	3.70	0.21	0.19	0.50	0.45	61
	LoE2	0.27	3.70	0.32	0.29	0.56	0.5	60
Envision Single Glider Triple Pane	LoE3	0.17	5.88	0.19	0.17	0.36	0.32	74
	LoE2	0.18	5.56	0.28	0.25	0.45	0.40	73
Envision Double Glider Dual Pane	LoE3	0.27	3.70	0.21	0.19	0.48	0.43	61
	LoE2	0.27	3.70	0.31	0.28	0.54	0.48	60
Envision Double Glider Triple Pane	LoE3	0.18	5.56	0.18	0.16	0.35	0.31	71
	LoE2	0.19	5.26	0.26	0.24	0.43	0.38	70
Envision Picture Dual Pane	LoE3	0.26	3.85	0.22	0.20	0.53	0.47	60
	LoE2	0.26	3.85	0.34	0.31	0.59	0.52	59
Envision Picture Triple Pane	LoE3	0.16	6.25	0.20	0.18	0.38	0.34	73
	LoE2	0.17	5.88	0.29	0.26	0.47	0.42	73
Full View Sliding Patio Door	LoE3	0.27	3.70	0.23	0.20	0.53	0.46	59
	LoE2	0.28	3.57	0.34	0.3	0.59	0.52	59
Full View Elite Sliding Patio Door	LoE3	0.27	3.70	0.23	0.20	0.53	0.46	59
	LoE2	0.28	3.57	0.34	0.30	0.59	0.52	59

Please go to [Vector Windows website](http://www.vectorwindows.com) to see most current performance data.
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