

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.



Builder Focused Services 3

Reliable Delivery
Your Questions Answered
Service You Can Trust
Factory Tours & Training

Things that Matter Most 4

Superior Quality
Unparalleled Service
Personal Attention
Exceptional Craftsmanship

Energy Efficiency 5 – 6

Product Lines 7 – 8

Advantage Series
Envision Series

Features Builders Love 9

Extension Jambs
Welded Brickmould
Multiple Receiver Sizes
Replacement Option

EZ Trim Brickmould 10

Easy to Measure
Easy to Install
Traditional Styling
Ultimate Durability
Very Fast Installation

Options & Upgrades 11 – 13

Finishes
Painted Exteriors
Glazing
Grids
Screens
Window Hardware

Products 14 – 25

Casement & Awning Windows	NVC
Single-Hung Windows	A-SH, NVH
Double-Hung Windows	NVDH
Glider Windows	A-GL, NVG
Special Shapes	A-SP, NVSP
Sliding Patio Doors	FVPD

A-SH

A-GL

A-PW

A-SP

NVC

NVH

NVDH

NVG

NVPW

NVSP

FVPD

Builder Focused Services

A Job Well Done Starts Here.

It's not enough to build great windows and doors. If you can't get reliable, on-time delivery and the service and support you need, even the best products aren't worth a lot. At Vector, our priority is helping you get the job done right, without the hassle.



Reliable Delivery

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



Your Questions Answered

Need help with a difficult order? Not sure which product can get the job done best? Our engineering team is here for you. Call us, and a real person will answer the phone to give you the help you need.



Service You Can Trust

Vector's eService system allows builders or homeowners to make a service request or check the status of an existing request online, taking the hassle out of receiving service. We follow up every service request with a personal phone call. We work quickly to resolve your request, with full resolution averaging less than 7 business days.



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

Great service is at the heart of our culture at Vector. We're real people who will answer the phone when you call, and if there is ever a problem with our windows or doors, we will make it right, period.



Personal Attention

Since every order is unique, you can't afford to be treated like just another account. At Vector, we'll work with you to meet your specific needs and exceed your expectations.



Exceptional Craftsmanship

We've been making the highest quality windows & doors for more than 25 years. We are proud of our work and the individual effort that goes into every product we make.

Energy Efficient Alternative

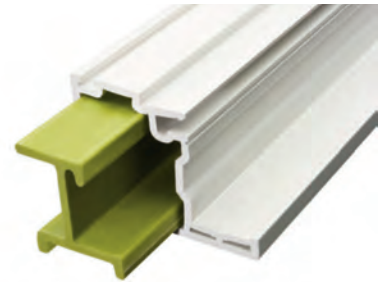
Envision windows use Innergy Rigid Thermal Reinforcements instead of aluminum to improve window thermal and structural performance. Which helps reduce condensation and allows for more comfortable household humidity levels.

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.



INENERGY
Rigid Thermal Reinforcements



Innergy and Alluminum in a 32 degree ice bath

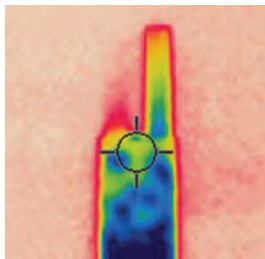


Photo taken after one hour ice bath

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

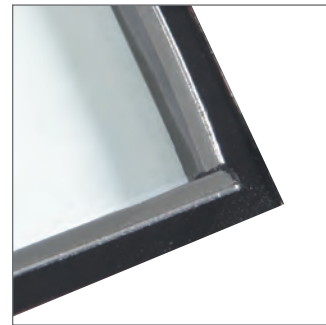
High Efficiency Comes Standard.

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.

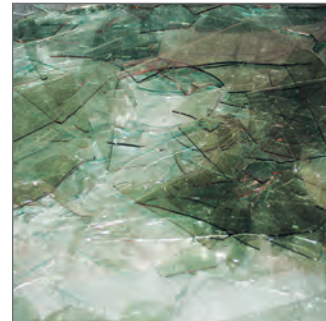


We use an industry-leading, non-metallic spacer to dramatically reduce condensation at the edge of the glass.

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 has a stunning exterior enhanced architectural profile while meeting the ENERGY STAR 6.0® ratings. 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

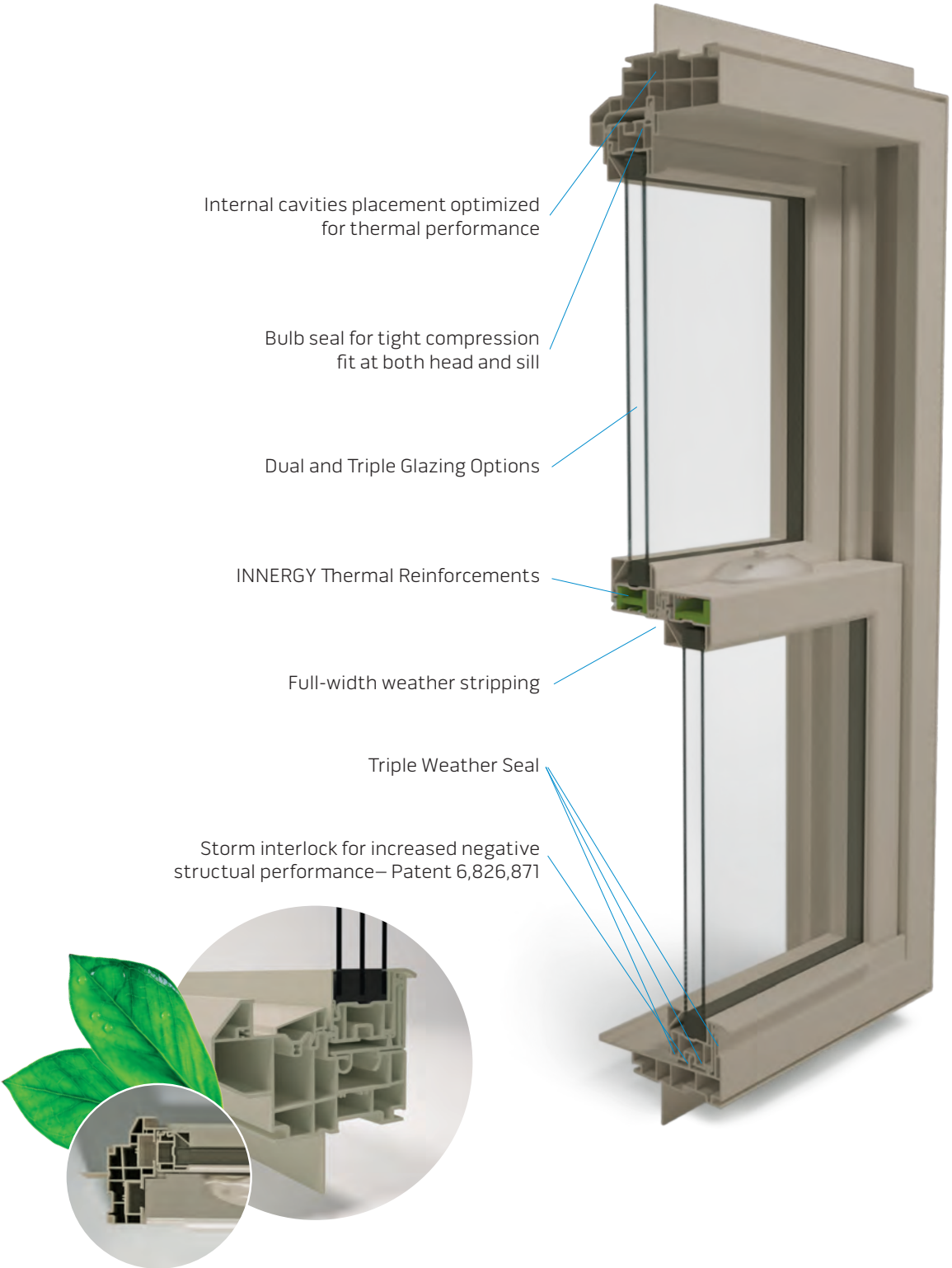
Vector full view sliding patio doors incorporate enhanced performance and ease of installation in a door system that has all the flexibility needed for today's design trends. This high-value door system additionally boasts ENERGY STAR 6.0® performance and ease of adjustment.

A blue banner with the Vector logo (a white chevron) on the left, the text "Product Lines" in white, and the tagline "Builders Know the Difference." in white below it.

VECTOR Product Lines
Builders Know the Difference.

Envision Series

Take a closer look at the new window system that is designed to meet the criteria for ENERGY STAR® 6.0 ratings that went into effect in 2016. Better yet, it meets the new standards without costly upgrades.



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 jamba are available applied or loose and come in a variety of wood or vinyl veneers.



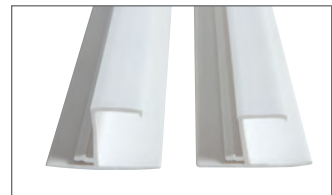
Welded Brickmould

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.



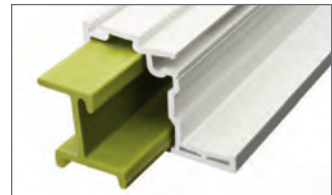
Multiple Receiver Sizes

Vector windows can be equipped with either $\frac{5}{8}$ " or $\frac{3}{4}$ " receivers to accommodate the extension jamba 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 Option: White



Grid Options

Contoured



9/16" 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

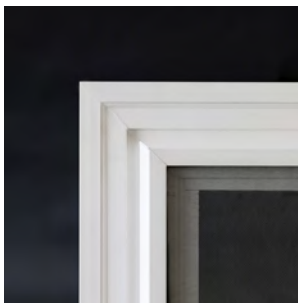


Simulated Checkrail



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.

3.5" Envision Flat Trim



Create a custom home finish with the convenience of a low maintenance vinyl flat exterior trim. Enjoy faster installation time and a precise fit with our custom 3.5" Envision Flat Trim built to endure the elements.

Extension Jamb Options



White



Almond



Clay



Light
Oak



Dark
Oak



Oak



Pine



Maple



Poplar



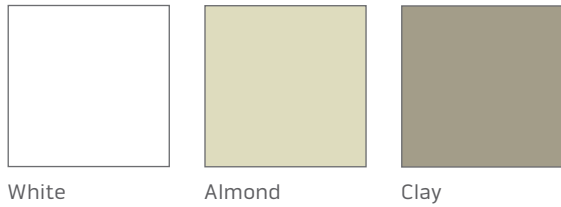
Primed

Wood Veneer.

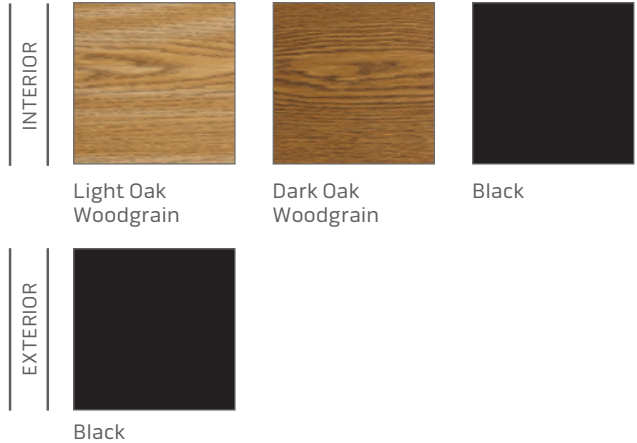
Options & Upgrades

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.

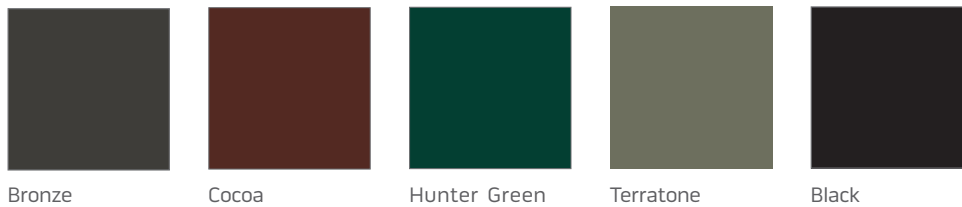
Vinyl



Laminate Envision series option



Exterior Paint Colors Envision series option



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.



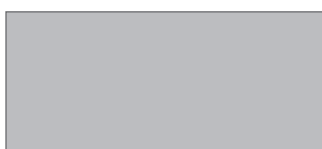
Tempered Glazing

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 hung and glider units. 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 warranted 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

A-SH



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.



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.

NVH

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 meets ENERGY STAR 6.0 requirements for high 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 can be ordered with an optional keyed lock set.

FVPD



Specifications

How to Spec Vector Products	25 – 26
Advantage Single Hung	27 – 29
Advantage Gliders	30 – 33
Advantage Picture Windows	34 – 38
Advantage Special Shapes	39
Envision Casements & Awnings	40 – 48
Envision Single Hung	49 – 50
Envision Double Hung	51 – 52
Envision Gliders	53 – 56
Envision Picture Windows	57 – 60
Envision Special Shapes	61
Full View Sliding Patio Doors	63 – 64
Test Performance Data	67 – 69

A-SH

A-GL

A-PW

A-SP

NVC

NVH

NVDH

NVG

NVPW

NVSP

FVPD

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 ½" 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

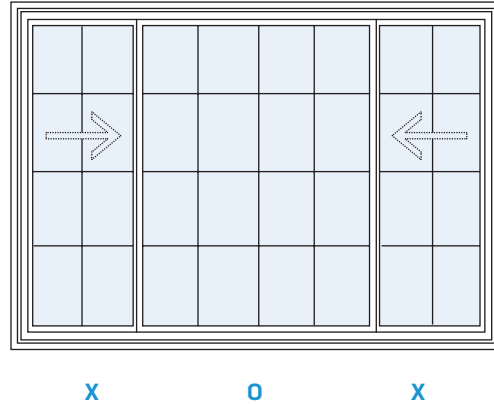
The 1997 Uniform Building Code has established residential egress requirements for windows in sleeping rooms. All egress or rescue windows must meet each of the following:

- 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.

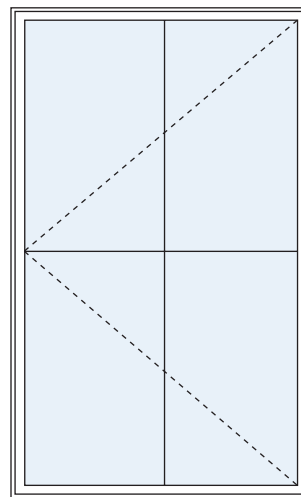
Operating Vs. Stationary

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

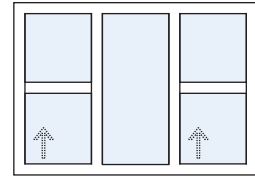
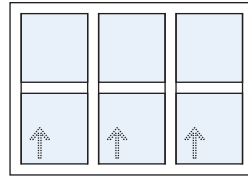
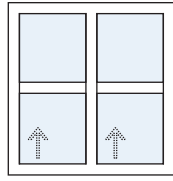
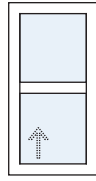
For casement windows and patio doors you can specify either left or right handing. Look from the exterior of the home and determine which side of the window or door you would like the hinges to be on. This will determine whether you should specify left or right handing.



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





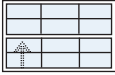
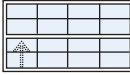
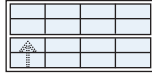



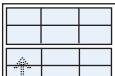
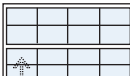
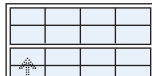



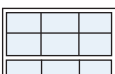
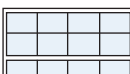
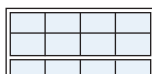



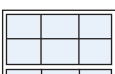
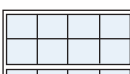
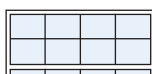



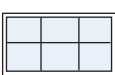
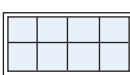
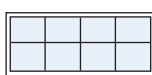



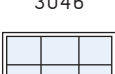











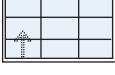
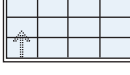
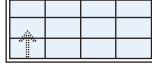
Overall Frame Size	2 ¹¹ / ₁₆ "
Nail Fin Outboard	1 ⁷ / ₁₆ "
Nail Fin Inboard	1 ¹ / ₄ "
Nail Fin Width	1 ¹ / ₁₆ "

Daylight Openings

	W	1'6"	2'0"	2'6"	3'0"	3'6"	4'0"
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	

Advantage Single Hung Windows




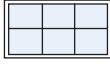
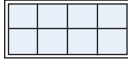
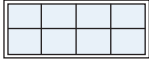



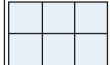
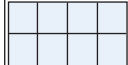
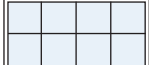
A-SH

	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 "
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.

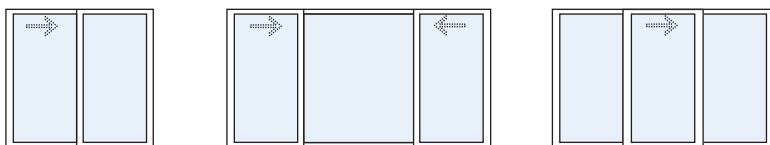
Advantage Single Hung Windows

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"
	Glass Size	15¾"	21¾"	27¾"	33¾"	39¾"	45¾"
1'5½"	APWH ADVANTAGE PICTURE WINDOW						
1'6"		1616	2016	2616	3016	3616	4016
1'5½"							
1'11½"		1620	2020	2620	3020	3620	4020
2'0"							
2'1¾"							

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 ¹ / 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"													
2'6"		2.77	3.69	4.48	5.27	6.06	6.85	7.64	8.43				
3'0"		3.81	4.86	5.90	6.94	7.98	9.02	10.06	11.10				
3'6"		4.86	6.02	7.31	8.60	9.89	11.18	12.47	13.76				
4'0"		5.90	7.19	8.73	10.27	11.81	13.35	14.89	16.43				
4'6"		6.94	8.36	10.15	11.94	13.73	15.52	17.31	19.10				
5'0"		7.98	9.52	11.56	13.60	15.64	17.68	19.72	21.76				
		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






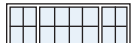




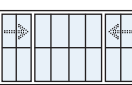
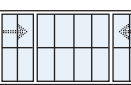
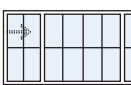
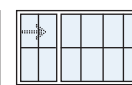
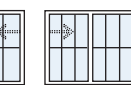
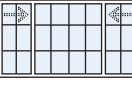
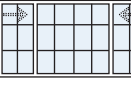
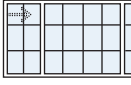
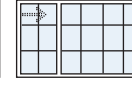
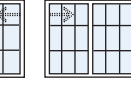

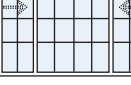
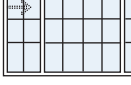







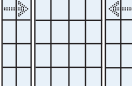

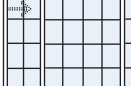



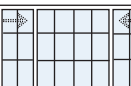
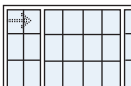
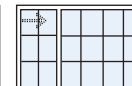

A-GL

		Unit Dimensions	2'5½"	2'11½"	3'5½"	3'11½"	4'5½"	4'11½"	5'5½"	5'11½"
1'5½"	1'6"	Rough Opening	2'6"	3'0"	3'6"	4'0"	4'6"	5'0"	5'6"	6'0"
	15¾"	Glass Size	27¾"	33¾"	39¾"	45¾"	51¾"	57¾"	63¾"	69¾"
		APWG ADVANTAGE PICTURE WINDOWS								
			2616	3016	3616	4016	4616	5016	5616	6016
1'11½"	2'0"	Rough Opening	2'6"	3'0"	3'6"	4'0"	4'6"	5'0"	5'6"	6'0"
	21¾"	Glass Size	27¾"	33¾"	39¾"	45¾"	51¾"	57¾"	63¾"	69¾"
		APWG ADVANTAGE PICTURE WINDOWS								
			2620	3020	3620	4020	4620	5020	5620	6020
		Unit Dimensions	2'5½"	2'11½"	3'5½"	3'11½"	4'5½"	4'11½"	5'5½"	5'11½"
1'11½"	2'0"	Rough Opening	2'6"	3'0"	3'6"	4'0"	4'6"	5'0"	5'6"	6'0"
	18⅞"	Operating Glass	11⅛"	14⅛"	17⅛"	20⅛"	23⅛"	26⅛"	29⅛"	32⅛"
		G1 ADVANTAGE GLIDER								
			2620	3020	3620	4020	4620	5020	5620	6020
2'5½"	2'6"	Rough Opening	2'6"	3'0"	3'6"	4'0"	4'6"	5'0"	5'6"	6'0"
	24⅞"	Operating Glass	11⅛"	14⅛"	17⅛"	20⅛"	23⅛"	26⅛"	29⅛"	32⅛"
		G1 ADVANTAGE GLIDER								
			2626	3026	3626	4026	4626	5026	5626	6026
2'11½"	3'0"	Rough Opening	2'6"	3'0"	3'6"	4'0"	4'6"	5'0"	5'6"	6'0"
	30⅞"	Operating Glass	11⅛"	14⅛"	17⅛"	20⅛"	23⅛"	26⅛"	29⅛"	32⅛"
		G1 ADVANTAGE GLIDER								
			2630	3030	3630	4030	4630	5030E	5630E	6030E
3'5½"	3'6"	Rough Opening	2'6"	3'0"	3'6"	4'0"	4'6"	5'0"	5'6"	6'0"
	36⅞"	Operating Glass	11⅛"	14⅛"	17⅛"	20⅛"	23⅛"	26⅛"	29⅛"	32⅛"
		G1 ADVANTAGE GLIDER								
			2636	3036	3636	4036	4636E	5036E	5636E	6036E
3'11½"	4'0"	Rough Opening	2'6"	3'0"	3'6"	4'0"	4'6"	5'0"	5'6"	6'0"
	42⅞"	Operating Glass	11⅛"	14⅛"	17⅛"	20⅛"	23⅛"	26⅛"	29⅛"	32⅛"
		G1 ADVANTAGE GLIDER								
			3040	3640	4040E	4640E	5040E	5640E	6040E	
4'5½"	4'6"	Rough Opening	2'6"	3'0"	3'6"	4'0"	4'6"	5'0"	5'6"	6'0"
	48⅞"	Operating Glass	11⅛"	14⅛"	17⅛"	20⅛"	23⅛"	26⅛"	29⅛"	32⅛"
		G1 ADVANTAGE GLIDER								
			3046	3646	4046E	4646E	5046E	5646E	6046E	
4'11½"	5'0"	Rough Opening	2'6"	3'0"	3'6"	4'0"	4'6"	5'0"	5'6"	6'0"
	54⅞"	Operating Glass	11⅛"	14⅛"	17⅛"	20⅛"	23⅛"	26⅛"	29⅛"	32⅛"
		G1 ADVANTAGE GLIDER								
			3050	3650	4050E	4650E	5050E	5650E	6050E	

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					
	1'11½"		6016	6616	7016	7616	8016
1'11½"	2'0"						
	1'5½"		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	14½/16"	15¾/16"	17½/16"	18¾/16"	20½/16"
2'5½"	2'6"	GE ADVANTAGE GLIDER END VENT					
	2'11½"		6026	6626	7026	7626	8026
2'11½"	3'0"						
	2'5½"		6030	6630	7030	7630	8030
3'5½"	3'6"						
	3'11½"		6036	6636	7036	7636	8036
3'11½"	4'0"						
	4'5½"		6040	6640	7040	7640	8040E
4'5½"	4'6"						
	4'11½"		6046	6646	7046	7646	8046E
4'11½"	5'0"						
	5'0"		6050	6650	7050	7650	8050E

E: Denotes a unit that meets Egress.

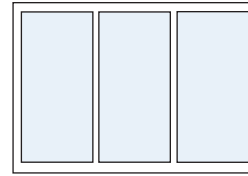
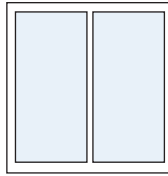
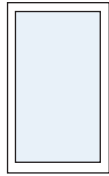
Advantage Glider Windows

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					
	15¾"		6016	6616	7016	7616	8016
1'11½"	2'0"						
	21¾"		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					
	24¾"		6026	6626	7026	7626	8026
2'11½"	3'0"						
	30¾"		6030	6630	7030	7630	8030E
3'5½"	3'6"						
	36¾"		6036	6636E	7036E	7636E	8036E
3'11½"	4'0"						
	42¾"		6040E	6640E	7040E	7640E	8040E
4'5½"	4'6"						
	48¾"		6046E	6646E	7046E	7646E	8046E
4'11½"	5'0"						
	54¾"		6050E	6650E	7050E	7650E	8050E

E: Denotes a unit that meets Egress.

Advantage Picture Windows



A-PW

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

Add-On Jamb Dimensions

Wall Thickness	6 ⁵ / 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




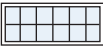



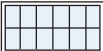



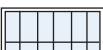



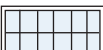



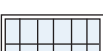



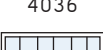



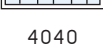



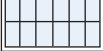



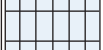



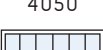
	W	1'6"	2'0"	2'6"	3'0"	3'6"	4'0"	4'6"	5'0"	5'6"	6'0"	6'6"	7'0"	7'6"	8'0"
H	Advantage Picture Window (APW)														
1'6"	1.56	2.19	2.81	3.44	4.06	4.69	5.31	5.94	6.55	7.19	7.50	8.11	8.71	9.31	
2'0"	2.19	3.06	3.94	4.81	5.69	6.56	7.44	8.31	9.19	10.06	10.61	11.46	12.31	13.71	
2'6"	2.81	3.94	5.06	6.19	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	15⅜"	21⅜"	27⅜"	33⅜"	39⅜"	45⅜"		
1'5½"	1'6"	15⅜"	APWH ADVANTAGE PICTURE WINDOW 						
			1616	2016	2616	3016	3616	4016	
1'11½"	2'0"	21⅜"	(GRIDS MATCH ADVANTAGE SINGLE-HUNG WINDOWS) 						
			1620	2020	2620	3020	3620	4020	
2'5½"	2'6"	27⅜"							
			1626	2026	2626	3026	3626	4026	
2'11½"	3'0"	33⅜"							
			1630	2030	2630	3030	3630	4030	
3'5½"	3'6"	39⅜"							
			1636	2036	2636	3036	3636	4036	
3'11½"	4'0"	45⅜"							
			1640	2040	2640	3040	3640	4040	
4'5½"	4'6"	51⅜"							
			1646	2046	2646	3046	3646	4046	
4'11½"	5'0"	57⅜"							
			1650	2050	2650	3050	3650	4050	
5'5½"	5'6"	63⅜"							
			1656	2056	2656	3056	3656	4056	
5'11½"	6'0"	69⅜"							
			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	27⅞"	33⅞"	39⅞"	45⅞"	
1'5½"	1'6"	15⅞"	APWG ADVANTAGE PICTURE WINDOW (GRIDS MATCH ADVANTAGE GLIDERS)			
1'11½"	2'0"	21⅞"				
			2616	3016	3616	4016
2'5½"	2'6"	27⅞"				
			2620	3020	3620	4020
2'11½"	3'0"	33⅞"				
			2626	3026	3626	4026
3'5½"	3'6"	39⅞"				
			2630	3030	3630	4030
3'11½"	4'0"	45⅞"				
			2636	3036	3636	4036
4'5½"	4'6"	51⅞"				
			2640	3040	3640	4040
4'11½"	5'0"	57⅞"				
			2646	3046	3646	4046
5'5½"	5'6"	63⅞"				
			2650	3050	3650	4050
5'11½"	6'0"	69⅞"				
			2656	3056	3656	4056
						
			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	51⅞"	57⅞"	63⅞"	69⅞"
1'5½"	1'6"	15⅞"	APWG ADVANTAGE PICTURE WINDOW		
		4616	5016	5616	6016
1'11½"	2'0"	21⅞"	(GRIDS MATCH ADVANTAGE GLIDERS)		
		4620	5020	5620	6020
2'5½"	2'6"	27⅞"			
		4626	5026	5626	6026
2'11½"	3'0"	33⅞"			
		4630	5030	5630	6030
3'5½"	3'6"	39⅞"			
		4636	5036	5636	6036
3'11½"	4'0"	45⅞"			
		4640	5040	5640	6040
4'5½"	4'6"	51⅞"			
		4646	5046	5646	6046
4'11½"	5'0"	57⅞"			
		4650	5050	5650	6050
5'5½"	5'6"	63⅞"			
		4656	5056		
5'11½"	6'0"	69⅞"			
		4660	5060		

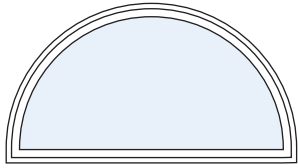
Advantage Picture Windows

A-PW

		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					
	1' 11½"		3016	4016	5016	6016	7016
1' 11½"	2' 0"						
	2' 13⁄8"		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	16⅝"	17⅝"	19⅝"	20⅝"	22⅝"
1' 5½"	1' 6"	APW3 ADVANTAGE PICTURE WINDOW					
	1' 11½"		6016	6616	7016	7616	8016
1' 11½"	2' 0"	(GRIDS MATCH ADVANTAGE GLIDER END VENT WINDOWS)					
	2' 13⁄8"		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"
		Glass Size	16⅝"	17⅝"	19⅝"	20⅝"	22⅝"
1' 5½"	1' 6"	APW3 ADVANTAGE PICTURE WINDOW					
	1' 11½"		6016	6616	7016	7616	8016
1' 11½"	2' 0"	(GRIDS MATCH ADVANTAGE GLIDER CENTER VENT WINDOWS)					
	2' 13⁄8"		6020	6620	7020	7620	8020

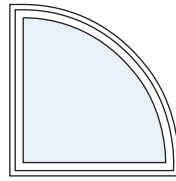
Advantage Special Shapes

A-SP



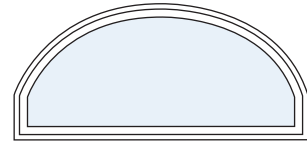
Widths from 3'0" to 7'0"
Height from 1'6" to 3'6"

Half Round



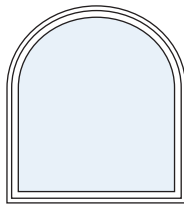
Widths from 2'0" to 6'0"
Height from 2'0" to 6'0"

Quarter Round



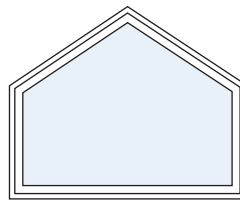
Widths from 3'0" to 8'0"
Height from 1'0" to 8'0"
30 Square Foot Maximum

Modified Arch



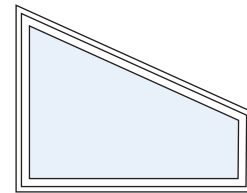
Widths from 3'0" to 8'0"
Height from 2'0" to 8'0"
30 Square Foot Maximum

Tall Arch



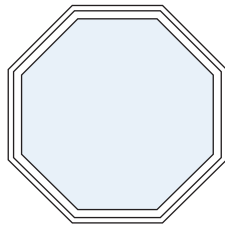
Widths from 1'0" to 8'0"
Height from 1'0" to 8'0"
30 Square Foot Maximum
Minimum Leg Height 6"

Pentoid



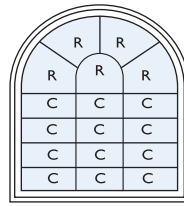
Widths from 1'0" to 8'0"
Height from 1'0" to 8'0"
30 Square Foot Maximum
Minimum Leg Height 6"

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

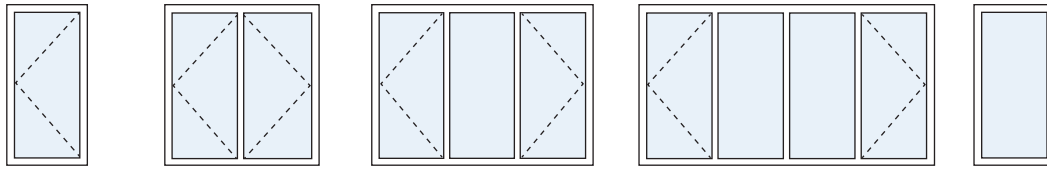
Custom Grille Layouts

Profile Measurements

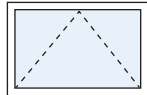
Overall Frame Size	2 ¹¹ / ₁₆ "
Nail Fin Outboard	1 ⁷ / ₁₆ "
Nail Fin Inboard	1 ¹ / ₄ "
Nail Fin Width	1 ¹ / ₁₆ "

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

Envision Casements & Awnings



NVC1 Common Frame Common Frame Common Frame NVFC



NVA1

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	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			

NVC

Envision Casements & Awnings

	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"	NVC1 ENVISION CASEMENT 					
2'6"		1626	2026	2626	2826	3026
2'11½"						
2'6"		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"	1646	2046	2646E*	2846E	3046E	
4'11½"						
5'0"	1650	2050	2650E*	2850E	3050E	
5'5½"						
5'6"	1656	2056	2656E*	2856E	3056E	
5'11½"						
6'0"	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" 2'11½" 3'5½" 3'11½" 4'5½" 4'11½" 5'5½" 5'11½" 2'6" 3'0" 3'6" 4'0" 4'6" 5'0" 5'6" 6'0" 25 ¹⁵ / ₁₆ " 31 ¹⁵ / ₁₆ " 37 ⁵ / ₁₆ " 43 ¹⁵ / ₁₆ " 49 ⁵ / ₁₆ " 55 ¹⁵ / ₁₆ " 61 ⁵ / ₁₆ " 67 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	



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"	25 ¹⁵ / ₁₆ "	NVC3 ENVISION THREE WIDE CASEMENT							
			4626	6026	7626	8026				
			2'11½"	3'0"	31 ¹⁵ / ₁₆ "					
						4630	6030	7630	8030	
			3'5½"	3'6"	37 ¹⁵ / ₁₆ "					
						4636	6036	7636E*	8036E*	
			3'11½"	4'0"	43 ¹⁵ / ₁₆ "					
						4640	6040	7640E*	8040E	
4'5½"	4'6"	49 ¹⁵ / ₁₆ "								
			4646	6046	7646E*	8046E				
4'11½"	5'0"	55 ¹⁵ / ₁₆ "								
			4650	6050	7650E*	8050E				
5'5½"	5'6"	61 ¹⁵ / ₁₆ "								
			4656	6056	7656E*	8056E				
5'11½"	6'0"	67 ¹⁵ / ₁₆ "								
			4660	6060	7660E*	8060E				

E: Denotes a unit that meets Egress.
E*: These units meet Egress only with added Egress hardware.

Envision Casements & Awnings

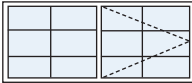
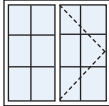
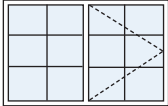
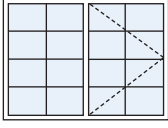
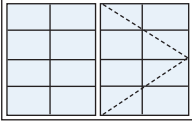
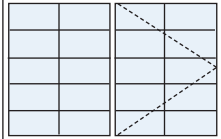
	Unit Dimensions	5'11½"	7'11½"
	Rough Opening	6'0"	8'0"
	Operating Glass	14 ¹¹ / ₁₆ "	20 ¹¹ / ₁₆ "
2'5½"	2'6"		
		6026	8026
2'11½"	3'0"		
		6030	8030
3'5½"	3'6"		
		6036	8036
3'11½"	4'0"		
		6040	8040
4'5½"	4'6"		
		6046	8046
4'11½"	5'0"		
		6050	8050
5'5½"	6'0"		
		6056	8056
5'11½"	6'6"		
		6060	8060

NVC4
ENVISION
FOUR WIDE
CASEMENT



Envision Casements & Awnings







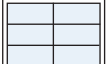



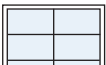



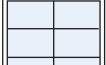


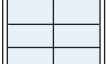





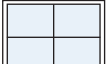


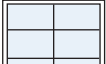
NVC

	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"					
						
		3026	4026	5026	5426	6026
2'11½"	3'0"					
		3030	4030	5030	5430	6030E*
3'5½"	3'6"					
		3036	4036	5036E*	5436E*	6036E
3'11½"	4'0"					
		3040	4040	5040E*	5440E	6040E
4'5½"	4'6"					
		3046	4046	5046E*	5446E	6046E
4'11½"	5'0"					
		3050	4050	5050E*	5450E	6050E
5'5½"	5'6"					
		3056	4056	5056E*	5456E	6056E
5'11½"	6'0"					
		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"	26"	NVFC ENVISION FIXED CASEMENT		
					
		1626	2026	2626	3026
2'11½"	3'0"	32"			
		32"			
		1630	2030	2630	3030
3'5½"	3'6"	38"			
		38"			
		1636	2036	2636	3036
3'11½"	4'0"	44"			
		44"			
		1640	2040	2640	3040
4'5½"	4'6"	50"			
		50"			
		1646	2046	2646	3046
4'11½"	5'0"	56"			
		56"			
		1650	2050	2650	3050
5'5½"	5'6"	62"			
		62"			
		1656	2056	2656	3056
5'11½"	6'0"	68"			
		68"			
		1660	2060	2660	3060








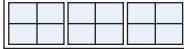





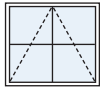
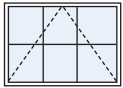
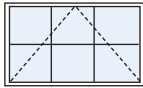
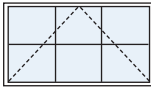

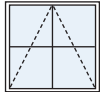
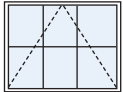

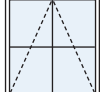
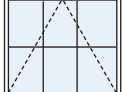




Envision Casements & Awnings



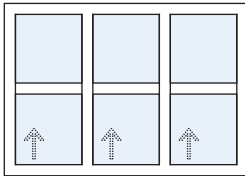
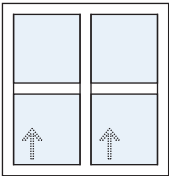
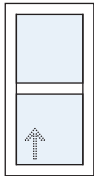
		Unit Dimensions	1'5½"	1'11½"	2'5½"	2'7½"	2'11½"	3'11½"
1'5½"	1'6"	Rough Opening	1'6"	2'0"	2'6"	2'8"	3'0"	4'0"
	14"	Glass Size	14"	20"	26"	28"	32"	44"
1'11½"	2'0"	NVFC ENVISION FIXED CASEMENT (TRANSOM SIZES)						
	20"		1616	2016	2626	2816	3016	4016
1'5½"	1'6"	NVFC ENVISION FIXED CASEMENT (TRANSOM SIZES)						
	20"		1620	2020	2620	2820	3020	4020
1'5½"	1'6"	Unit Dimensions	4'5½"	4'11½"	5'3½"	5'11½"	7'5½"	7'11½"
	14"	Rough Opening	4'6"	5'0"	5'4"	6'0"	7'6"	8'0"
1'11½"	2'0"	Glass Size	50"	56"	60"	68"	86"	92"
	20"	NVFC ENVISION FIXED CASEMENT (TRANSOM SIZES)						
	4616		5016	5416	6016	7616	8016	
1'5½"	1'6"	NVFC ENVISION FIXED CASEMENT (TRANSOM SIZES)						
	20"		4620	5020	5420	6020	7620	8020
1'5½"	1'6"	Unit Dimensions	2'11½"	3'11½"	4'11½"	5'3½"	5'11½"	
	137/8"	Rough Opening	3'0"	4'0"	5'0"	5'4"	6'0"	
1'11½"	2'0"	Glass Size	14¾"	20¾"	26¾"	28¾"	32¾"	
	197/8"	NVFC2 ENVISION 2 LITE FIXED CASEMENT						
	3016		4016	5016	5416	6016		
1'5½"	1'6"	NVFC2 ENVISION 2 LITE FIXED CASEMENT						
	2'0"		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	14⅝"	20⅝"	26⅝"	28⅝"	
1'5½"	1'6"	NVFC3 ENVISION 3 LITE FIXED CASEMENT					
	13⅞"		4616	6016	7616	8016	
1'11½"	2'0"						
	19⅞"		4620	6020	7620	8020	
		Unit Dimensions	5'11½"	7'11½"			
		Rough Opening	6'0"	8'0"			
		Glass Size	14⅝"	20⅝"			
1'5½"	1'6"	NVFC4 ENVISION 4 LITE FIXED CASEMENT					
	13⅞"		6016	8016			
1'11½"	2'0"						
	19⅞"		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	19⅛"	25⅛"	31⅛"	37⅛"	43⅛"
1'5½"	1'6"	NVA1 ENVISION AWNING					
	13⅛"		2016	2616	3016	3616	4016
	1'11½"		2'0"				
19⅛"		2020	2620		3020	3620	4020
2'5½"	2'6"						
	25⅛"		2026	2626	3026	3626	4026



Envision Single Hung Windows



Common Frame

Common Frame

NVH1

NVH2

NVH3

Add-On Jamb Dimensions

Wall Thickness	6 ⁷ / ₁₆ "	6 ¹³ / ₁₆ "
Jamb Size	4 ¹ / ₂ "	4 ³ / ₄ "

Profile Measurements




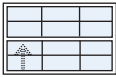
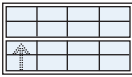
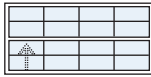




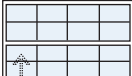
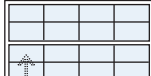



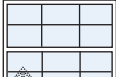
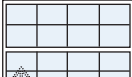
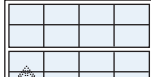



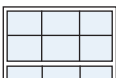

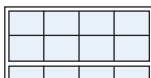



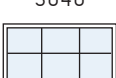
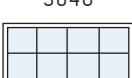
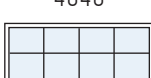



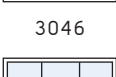
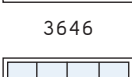
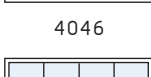



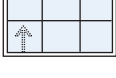





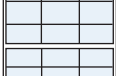
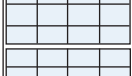
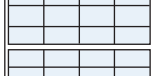
Overall Frame Size	3 ¹ / ₄ "
Nail Fin Outboard	1 ¹ / ₈ "
Nail Fin Inboard	2 ¹ / ₁₆ "
Nail Fin Width	1 ¹ / ₈ "

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

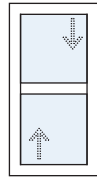
Envision Single Hung Windows

		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"
2'5½"	2'6"						
	12¾"	1626	2026	2626	3026	3626	4026
2'11½"	3'0"						
	15½"	1630	2030	2630	3030	3630	4030
3'5½"	3'6"						
	18¾"	1636	2036	2636	3036	3636	4036
3'11½"	4'0"						
	21½"	1640	2040	2640	3040	3640	4040
4'5½"	4'6"						
	24¾"	1646	2046	2646	3046	3646	4046
4'11½"	5'0"						
	27½"	1650	2050	2650	3050	3650E	4050E
5'5½"	5'6"						
	30¾"	1656	2056	2656	3056E	3656E	4056E
5'11½"	6'0"						
	33¾"	1660	2060	2660	3060E	3660E	4060E

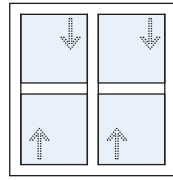


NVH1-3350 & NVH1-3054 meet Egress but are not shown.
 E: Denotes a unit that meets Egress.

Envision Double Hung Windows

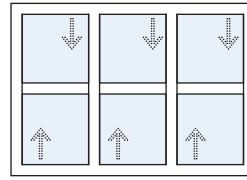


NVDH1



Common Frame

NVDH2



Common Frame

NVDH3

Add-On Jamb Dimensions

Wall Thickness	6 ³ / 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 "

NVDH

Daylight Openings

H	W	1'6"	2'0"	2'6"	3'0"	3'6"	4'0"
	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

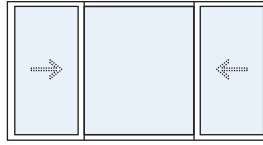
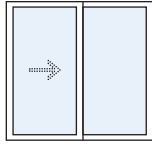
Unit Dimensions		1'5½"	1'11½"	2'5½"	2'11½"	3'5½"	3'11½"
Rough Opening		1'6"	2'0"	2'6"	3'0"	3'6"	4'0"
Operating Glass		12¾"	18¾"	24¾"	30¾"	36¾"	42¾"
Top Sash 1" Narrower		11¾"	17¾"	23¾"	29¾"	35¾"	41¾"
2'5½"	2'6"						
	12⅞"	1626	2026	2626	3026	3626	4026
2'11½"	3'0"						
	15⅞"	1630	2030	2630	3030	3630	4030
3'5½"	3'6"						
	18⅞"	1636	2036	2636	3036	3636	4036
3'11½"	4'0"						
	21⅞"	1640	2040	2640	3040	3640	4040
4'5½"	4'6"						
	24⅞"	1646	2046	2646	3046	3646	4046
4'11½"	5'0"						
	27⅞"	1650	2050	2650	3050	3650E	4050E
5'5½"	5'6"						
	30⅞"	1656	2056	2656	3056E	3656E	4056E
5'11½"	6'0"						
	33⅞"	1660	2060	2660	3060E	3660E	4060E

NVDH

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 ³ / 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

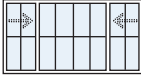
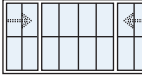
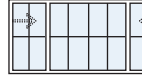
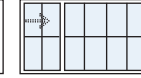

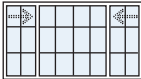
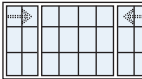
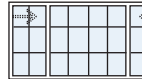
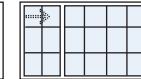


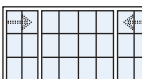

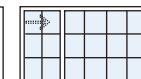

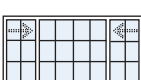
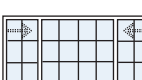
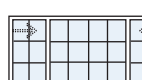
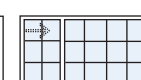

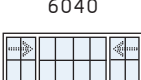
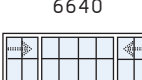
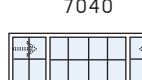
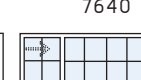

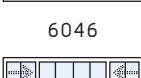

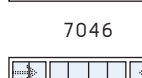


Envision Glider Windows

		Unit Dimensions	2'5½"	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	12¾"	15¾"	18¾"	21¾"	24¾"	27¾"	30¾"	33¾"	
1'11½"	2'0"										
	18¾"		2620	3020	3620	4020	4620	5020	5620	6020	
	2'5½"		2'6"								
	24¾"		2626	3026	3626	4026	4626	5026	5626	6026	
	2'11½"		3'0"								
	30¾"		2630	3030	3630	4030	4630	5030	5630E	6030E	
	3'5½"		3'6"								
	36¾"		2636	3036	3636	4036	4636E	5036E	5636E	6036E	
3'11½"	4'0"										
42¾"	3040	3640	4040E	4640E	5040E	5640E	6040E				
4'5½"	4'6"										
48¾"	3046	3646	4046E	4646E	5046E	5646E	6046E				
4'11½"	5'0"										
54¾"	3050	3650	4050E	4650E	5050E	5650E	6050E				



E: Denotes a unit that meets Egress.

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 "
2'5½"						
2'6"		6026	6626	7026	7626	8026
2'11½"						
2'16"		6030	6630	7030	7630	8030
3'0"						
3'5½"		6036	6636	7036	7636	8036
3'6"						
3'11½"		6040	6640	7040	7640	8040E
3'6"						
3'11½"		6046	6646	7046	7646	8046E
4'0"						
4'5½"		6050	6650	7050	7650	8050E
4'6"						
4'11½"						

E: Denotes a unit that meets Egress.

NVG

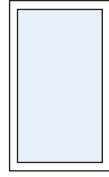
Envision Glider Windows

	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 ⁵ / ₁₆ "	14 ⁵ / ₁₆ "	17 ⁵ / ₁₆ "	20 ⁵ / ₁₆ "	23 ⁵ / ₁₆ "	26 ⁵ / ₁₆ "	29 ⁵ / ₁₆ "	32 ⁵ / ₁₆ "		
1'11½"	2'0"	17 ⁵ / ₁₆ "									
	2'5½"	2'6"	23 ⁵ / ₁₆ "	2620	3020	3620	4020	4620	5020	5620	6020
	2'11½"	2'6"	23 ⁵ / ₁₆ "	2626	3026	3626	4026	4626	5026	5626	6026
	3'0"	29 ⁵ / ₁₆ "	2630	3030	3630	4030	4630	5030	5630E	6030E	
	3'5½"	3'6"	35 ⁵ / ₁₆ "	2636	3036	3636	4036	4636	5036E	5636E	6036E
	3'11½"	4'0"	41 ⁵ / ₁₆ "	3040	3640	4040	4640E	5040E	5640E	6040E	
	4'5½"	4'6"	47 ⁵ / ₁₆ "	3046	3646	4046	4646E	5046E	5646E	6046E	
	4'11½"	5'0"	53 ⁵ / ₁₆ "	3050	3650	4050	4650E	5050E	5650E	6050E	

E: Denotes a unit that meets Egress.



Envision Picture Windows



NVPWH & NVPWG

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	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	








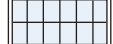



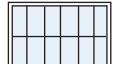



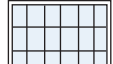



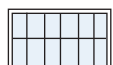







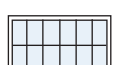



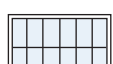
NVPW

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		13¾"	19¾"	25¾"	31¾"	37¾"	43¾"								
1'5½"	1'6"	NVPWH ENVISION PICTURE WINDOW								1616	2016	2616	3016	3616	4016
	1'6"	(GRIDS MATCH ENVISION HUNG WINDOWS)									1620	2020	2620	3020	3620
1'11½"	2'0"									1626	2026	2626	3026	3626	4026
	2'0"									1630	2030	2630	3030	3630	4030
2'5½"	2'6"									1636	2036	2636	3036	3636	4036
	2'6"									1640	2040	2640	3040	3640	4040
2'11½"	3'0"									1646	2046	2646	3046	3646	4046
	3'0"									1650	2050	2650	3050	3650	4050
3'5½"	3'6"									1656	2056	2656	3056	3656	4056
	3'6"									1660	2060	2660	3060	3660	4060
3'11½"	4'0"														
	4'0"														
4'5½"	4'6"														
	4'6"														
4'11½"	5'0"														
	5'0"														
5'5½"	5'6"														
	5'6"														
5'11½"	6'0"														
	6'0"														

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	25¾"	31¾"	37¾"	43¾"
1' 5½"	1' 6"	NVPWG ENVISION PICTURE WINDOW				
	1' 11½"		2616	3016	3616	4016
	2' 5½"	(GRIDS MATCH ENVISION GLIDERS)				
	2' 11½"		2620	3020	3620	4020
	3' 5½"					
	3' 11½"		2626	3026	3626	4026
	4' 5½"					
	5' 0"		2630	3030	3630	4030
5' 5¾"						
5' 11½"		2636	3036	3636	4036	
						
			2640	3040	3640	4040
						
			2646	3046	3646	4046
						
			2650	3050	3650	4050

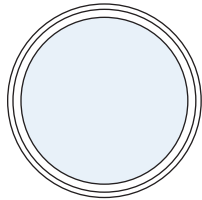
NVPW

Envision Picture Windows

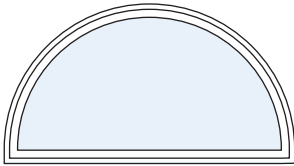
		Unit Dimensions	4' 5 1/2"	4' 11 1/2"	5' 5 1/2"	5' 11 1/2"	
		Rough Opening	4' 6"	5' 0"	5' 6"	6' 0"	
		Glass Size	49 3/8"	55 3/8"	61 3/8"	67 3/8"	
1' 5 1/2"	1' 6"	NVPWG ENVISION PICTURE WINDOW					
	1' 11 1/2"		4616	5016	5616	6016	
	1' 11 1/2"	2' 0"	(GRIDS MATCH ENVISION GLIDERS)				
		19 3/8"		4620	5020	5620	6020
	2' 5 1/2"	2' 6"					
		25 3/8"		4626	5026	5626	6026
	2' 11 1/2"	3' 0"					
		31 3/8"		4630	5030	5630	6030
	3' 5 1/2"	3' 6"					
		37 3/8"		4636	5036	5636	6036
3' 11 1/2"	4' 0"						
	43 3/8"	4640		5040	5640	6040	
4' 5 1/2"	4' 6"						
	49 3/8"	4646	5046				
4' 11 1/2"	5' 0"						
	5' 5 3/8"	4650					

NVPW

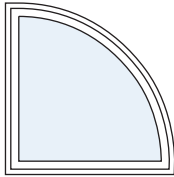
Envision Special Shapes



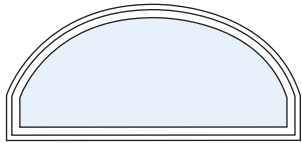
Full Circle



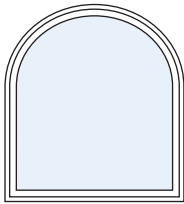
Half Round



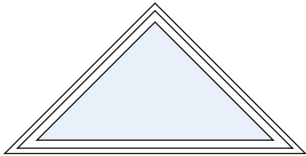
Quarter Round



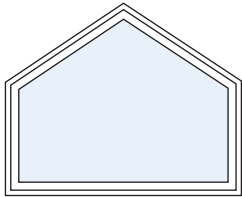
Modified Arch



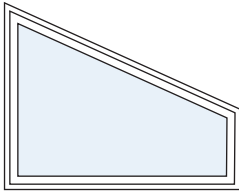
Tall Arch



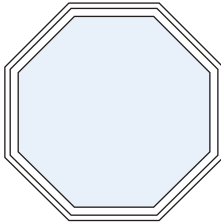
Triangle



Pentoid



Trapezoid



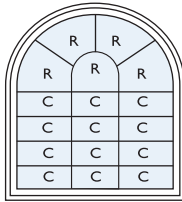
Octagon

NVSP

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"

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

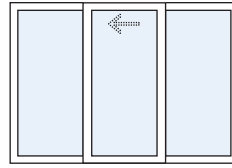
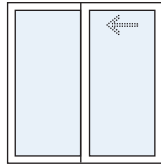
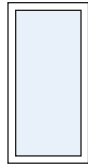


The sample shown features the following lites:
 Radius (R): 5 Lites
 Colonial (C): 12 Lites

Custom Grille Layouts



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"	96"	60"	96"	60"	96"	12"	96"

*Height and width cannot exceed 180 united inches

Add-On Jamb Dimensions

Wall Thickness	6 ⁵ / ₁₆ "	6 ¹³ / ₁₆ "
Jamb Size	3 ³ / ₄ "	4"

Profile Measurements

Overall Frame Size	4 ⁵ / ₁₆ "
Nail Fin Outboard	1 ⁷ / ₁₆ "
Nail Fin Inboard	2 ¹³ / ₁₆ "
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 (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"	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				
6'8"					
73⅛"	2668	3068	4068		
6'7½"	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				
6'8"					
73⅛"	5068	6068	6468	8068	
6'9½"	Unit Dimensions	5'11½"	7'11½"		
	Rough Opening	6'0"	8'0"		
	Operating Size	33"	45"		
	FVPD SLIDE PATIO DOOR				
6'10"					
75⅛"	60610	80610			
1'5½"	Unit Dimensions	4'11½"	5'11½"		
	Rough Opening	5'0"	6'0"		
	Glass Size	56¾"	68¾"		
	FVPDT PATIO TRANSOM UNIT				
1'6"					
14¾"	5016	6016			
1'11½"					
	5020	6020			

FVPDSL Notes: R.O. Width ¼" Larger Than Call Out
 Mull to FVPD R.O. = sum of call out.
 Example: FVPDSL 3068 mull to FVPD 6068 = R.O. 9'0" x 6'8".

FVPD

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	Performance Grade	Air Infiltration	Forced Entry
Advantage Single Hung Window	48" X 78"	H-LC30	.14 CFM/FT ²	GRADE 10
Advantage Single Glider Window	72" X 60"	HS-R20	.12 CFM/FT ²	GRADE 10
Advantage Picture Window	60" X 60"	LC-PG30	<.01 CFM/FT ²	GRADE 10
Envision Casement Window	36" X 75"	R-PG50	.02 CFM/FT ²	GRADE 10
Envision Awning Window	48" X 32"	LC-PG55	.02 CFM/FT ²	GRADE 10
Envision Casement Fixed Window	72" X 75"	CW-PG50	<.01 CFM/FT ²	GRADE 10
Envision Single Hung Window	48" X 75"	LC-PG45	.04 CFM/FT ²	GRADE 10
Envision Double Hung Window	48" X 75"	LC-PG40	.05 CFM/FT ²	GRADE 10
Envision Single Glider Window	72" X 60"	LC-PG50	.08 CFM/FT ²	GRADE 10
Envision Double Glider Window	72" X 60"	LC-PG25	.07 CFM/FT ²	GRADE 10
Envision Picture Window	72" X 75"	CW-PG35	.01 CFM/FT ²	GRADE 10
Full View Sliding Patio Door	96" X 80"	R-PG20	.10 CFM/FT ²	GRADE 10

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
		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
Product								
Advantage Single Hung Window	LoE3	0.28	3.57	0.22	0.20	0.51	0.46	62
	LoE2	0.29	3.45	0.33	0.30	0.57	0.51	61
Advantage Single Glider Window	LoE3	0.28	3.57	0.22	0.20	0.51	0.46	62
	LoE2	0.29	3.45	0.33	0.30	0.57	0.51	62
Advantage Picture Window	LoE3	0.26	3.85	0.25	0.22	0.57	0.51	64
	LoE2	0.27	3.70	0.37	0.34	0.64	0.57	63
Envision Casement Dual Pane	LoE3	0.24	4.17	0.21	0.19	0.48	0.44	62
	LoE2	0.25	4.00	0.31	0.29	0.54	0.49	62
Envision Casement Triple Pane	LoE3	0.17	5.88	0.18	0.17	0.35	0.32	71
	LoE2	0.17	5.88	0.27	0.24	0.43	0.39	70
Envision Awning Dual Pane	LoE3	0.25	4.00	0.21	0.19	0.48	0.44	61
	LoE2	0.25	4.00	0.31	0.29	0.54	0.49	60
Envision Awning Triple Pane	LoE3	0.17	5.88	0.18	0.17	0.35	0.32	71
	LoE2	0.17	5.88	0.27	0.24	0.43	0.39	71
Envision Casement Fixed Dual Pane	LoE3	0.24	4.17	0.23	0.21	0.54	0.49	62
	LoE2	0.25	4.00	0.35	0.32	0.60	0.54	61
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	0.26	3.85	0.21	0.19	0.51	0.45	62
	LoE2	0.27	3.70	0.32	0.29	0.56	0.50	62
Envision Single Hung Triple Pane	LoE3	0.18	5.56	0.19	0.17	0.36	0.32	71
	LoE2	0.18	5.56	0.28	0.25	0.45	0.40	70
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	72
	LoE2	0.18	5.56	0.27	0.24	0.44	0.39	72

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

Test Performance Data

NFRC: Thermal & Solar Values

Envision Single Glider Dual Pane	LoE3	0.26	3.85	0.21	0.19	0.50	0.45	63
	LoE2	0.27	3.70	0.32	0.29	0.56	0.50	62
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	74
Envision Double Glider Dual Pane	LoE3	0.26	3.85	0.21	0.19	0.48	0.43	60
	LoE2	0.27	3.70	0.31	0.28	0.54	0.48	61
Envision Double Glider Triple Pane	LoE3	0.18	5.56	0.18	0.16	0.35	0.31	61
	LoE2	0.19	5.26	0.26	0.24	0.43	0.38	65
Envision Picture Dual Pane	LoE3	0.25	4.00	0.22	0.20	0.53	0.47	62
	LoE2	0.26	3.85	0.34	0.31	0.59	0.52	61
Envision Picture Triple Pane	LoE3	0.16	6.25	0.20	0.18	0.38	0.34	71
	LoE2	0.17	5.88	0.29	0.26	0.47	0.42	70
Full View Sliding Patio Door	LoE3	0.27	3.70	0.23	0.20	0.53	0.46	61
	LoE2	0.28	3.57	0.34	0.30	0.59	0.52	60

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



LIMITED LIFETIME WARRANTY

BUILDERS KNOW THE DIFFERENCE.

Thank you for your recent energy efficient Vector Windows and Doors purchase. Vector Windows is proud to offer an outstanding Limited Lifetime Warranty. Please take a moment to submit your purchase information to register for the full benefits of the Vector Windows Warranty.

Limited Lifetime Warranty



Scan to View Warranty

Please take a moment to submit your purchase information to register for the full benefits of the Vector Windows Warranty.

View Online: <https://www.vectorwindows.com/warranty/>

Vector Windows Care Instructions



Scan to View

By following these routine care instructions, your Vector windows & doors will continue to operate at their best and look great.

View Online: <http://vectorwindows.com/careinstructions>





Vector Windows

1020 International Dr.
Fergus Falls, MN 56537

OFFICE 218.998.9410

FAX 888.739.9799

VectorWindows.com

07202023

