



Vista

Plus 

by Crystal   
WINDOW & DOOR

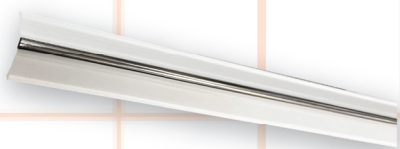
# What makes these windows **Plus**?



Features	Vista	Vista PLUS
Even Sightlines		<i>Plus</i>
Frame Depth 3 1/4" in.	✓	<i>Plus</i>
Insulated Glass, Dual Pane	✓ 3/4 in.	<i>Plus</i> 1 in.
Auto Lock	✓	<i>Plus</i> Slimline
Concealed Top Latches		<i>Plus</i>
Extra Pull Rail		<i>Plus</i>
Large Dual Rollers	✓ Brass	<i>Plus</i> Nylon
Monorail Track, S/S Cap		<i>Plus</i>
CrystalView™ Screen		<i>Plus</i>
Warranty: Ltd-Lifetime*	✓	<i>Plus</i>
Accidental Glass Breakage		<i>Plus</i>

Options	Vista	Vista PLUS
Flush Fin Extension (14ft S/L)	✓ 3/4 in.	<i>Plus</i> 3/4 in.
CrystalCoat™ Exterior Colors	✓	<i>Plus</i>
Black Interior & Exterior Color (Black Over Black)	✓	
Tempered Glass Breakage*		<i>Plus</i>

\*Lifetime accidental glass breakage included with Ltd-Lifetime PLUS Warranty, includes Vista PLUS windows, excludes tempered and specialty glass. Only available to the original owner. Option available to include tempered glass and Buena Vista sliding doors.



**Large Nylon Dual Rollers on Monorail Track with Stainless Steel Caps**



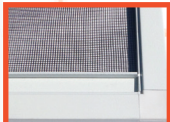
**Even Sightlines**

**3 1/4" Frame Depth**

**1" Insulated Glass Dual pane**



**Slimline Auto Lock**

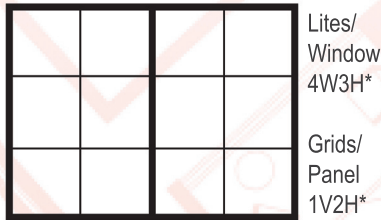


**CrystalView™ Screen**  
• Sturdy pull rail  
• Improved screen mesh



# Grids In Between the Glass

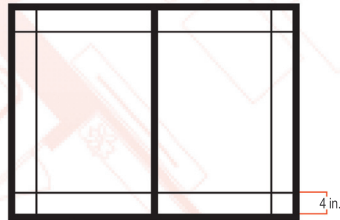
# 5 Pattern Options



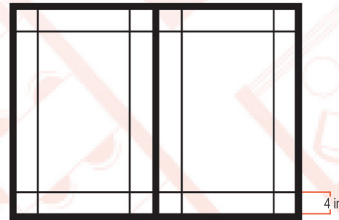
Lites/  
Window  
4W3H\*

Grids/  
Panel  
1V2H\*

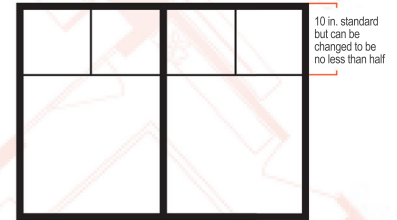
Colonial (Traditional)



Marginal (6-Lite Perimeter)

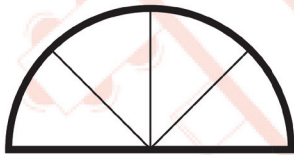


Queen Anne (9-Lite Perimeter)

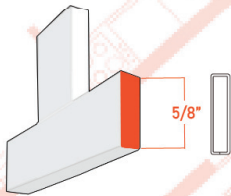


Valance (Top Row)

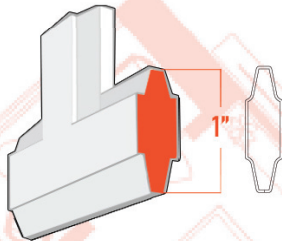
10 in. standard  
but can be  
changed to be  
no less than half



Starburst (3-Spoke)



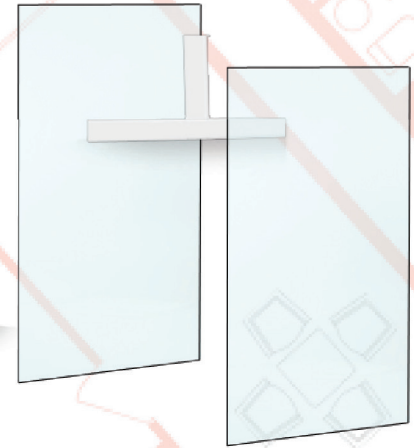
5/8" Flat



1" Sculptured



Grid measurements based on larger glass unit.  
Drawing required for special grid patterns.  
Adding grids may improve energy rating



### Marginal & Queen Anne Patterns\*\*

Grid perimeter is 4 inches from the edge of the glass unit to the center of the grid bar. An extra charge may be applied if window height is less than 14 inches and or Queen Anne window width is less than 28 inches. \*\*Not available with swing doors. \*\*Not recommended with active panels.

### Valance Pattern

Default Valance pattern height is 10 inches from the edge of the glass unit to the bottom of the grid bar. The default will change to the middle of the glass unit if the height of the glass unit is less than 20 inches.

### Colonial Pattern

Lite sizes for the colonial pattern are based on 12 inches for windows and 15 inches for doors. Depending on the size of the window or door, the lite size can be more or less within a few inches. The default number of lites will be used, unless a drawing with the preferred number of lites is provided. Keep in mind, more lites results in more grids hindering the view.

### \*Colonial Lites and Grids

4W3H = 4-Wide, 3-High (Lites per Window or Door)  
1V2H = 1-Vertical, 2-Horizontal (Grid Bars per Panel or Glass Unit)

# Glass Style

## Different properties to fit your needs

### Annealed

Annealed glass is strengthened through controlled cooling but is less resistant to impact and thermal stress compared to tempered glass. It finds a **balance between strength, affordability, and ease of production.**



### Tempered

Tempered glass is heat-treated to increase its strength and safety. It shatters into small, less harmful pieces if broken, making it ideal for applications like entrance windows and sliding glass doors. Additionally, **the edges are beveled** and a tempered etching is included on the glass.



### Wildfire

Wildfire windows are designed to resist heat and impact. They are made with **1 pane of tempered and 1 pane of annealed glass.** They're crucial for homes in wildfire-prone areas, offering protection against flames and enhancing safety for occupants.



# Design Your Perfect View

Glass Styles : Find the Perfect Pane for Every View



Delta Frost



Obscure (P516)



Bamboo



Rain



Matte



Glue Chip (Single)



Reed (Narrow)



Tinted Glass (Grey)



Tinted Glass (Bronze)

## CrystalCoat™ Exterior Color : Two Tones, One Stunning Look



Black (#703)



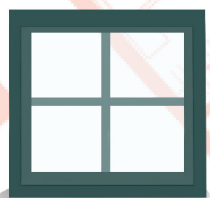
Dark Bronze (#704)



Brown (#707)



Standard White (#700)



Forest Green (#701)



Brick Red (#702)



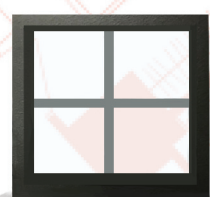
Clay (#708)



Grey (#705)



Beige (#706)



Black Foil (Vinyl Color)

**Interior Color**  
The only option we offer is white

# Black<sup>Over</sup> Black

NEW

Our "Black Over Black" windows, available exclusively in the Vista Plus line as casement and awning styles, offer a striking aesthetic with black paint on both the exterior and interior surfaces. Perfect for adding a touch of modern elegance to any home, these windows seamlessly blend with various architectural styles, from contemporary to classic, providing a cohesive and sophisticated look. Engineered for durability, the black finish resists fading and wear, ensuring long-lasting beauty. Beyond aesthetics, our windows are designed for energy efficiency, helping to reduce energy costs while maintaining a comfortable living environment. Choose "Black Over Black" casement and awning windows for a bold design statement that elevates your space inside and out.

\*Available only on Vista Plus casements and awnings



GET YOUR WINDOWS  
**Painted**

BLACK ON THE OUTSIDE  
AND INSIDE!

## Energy Efficiency

### Inspired Design

#### LowE<sup>3</sup>

##### Low Emissivity of the 3<sup>rd</sup> Generation

Low emissivity (low-e) coatings are nearly invisible layers of metallic silver oxide applied to window glass, reducing heat transfer while permitting light passage. **This boosts energy efficiency by retaining warmth in cold weather and blocking heat in hot spells**, cutting down on heating and cooling needs. The "3" in "LowE3" means the third generation of low-E technology, promising improved energy efficiency and durability compared to earlier versions.

Argon gas is a popular choice for windows, especially in double-pane setups, due to its excellent insulation. **Sealed between glass panes, Argon gas reduces heat and cold transfer, enhancing insulation.** Argon-filled windows also reduce noise and condensation, creating a quieter and drier environment. Moreover, its inert nature ensures window seal longevity, preventing gas leakage and maintaining performance. Overall, Argon gas in windows significantly boosts energy efficiency.

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Low emissivity (low-e) coatings are nearly invisible layers of metallic silver oxide applied to window glass

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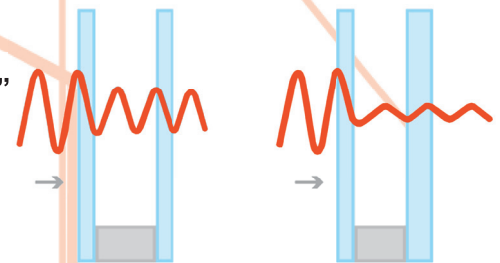
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## Acoustic Performance

### Dissimilar Glass

Acoustic dissimilar glass is used in windows to reduce noise transmission. It consists of **two or more glass panes, of different thickness** bonded with a layer that dampens **sound vibrations**, making it harder for noise to pass through. It's great for urban areas or spaces needing privacy and security.

Series 1/8" 3/16"  
Vista PW STC 35



Dual Pane (Regular)

Dissimilar

## Egress and Wildfire

### When Seconds Matter

Egress windows are specifically designed to serve as emergency exits from a building in case of fire or other emergencies. Egress requirements are typically outlined in building codes to ensure the safety of building occupants. Below is an example requirement: **An opening of at least 20 inches. An opening height of at least**

**24 inches. A net clear opening height of at least 5.7 square feet if above ground level or 5.0 square feet when at ground level or lower. A sill no more than 44 inches off the floor.**

Wildfire windows are essential for protecting homes from the dangers of wildfires. They resist ember intrusion and withstand high heat, reducing the risk of ignition and damage. By complying with building codes and enhancing occupant safety, these windows provide peace of mind and potential insurance benefits.

# NFRC Certified

## National Fenestration Rating Council



### U-Factor


The U-factor in windows measures insulation effectiveness, with lower values indicating better heat retention. Factors like glass type, frame material, and window orientation affect it. Lower U-factors mean less energy usage, lower bills, and improved comfort by reducing the heat loss gain.

**Ideal Range: 0.10 - 2.00**

### Visible Transmittance

Visible transmittance (VT) measures how much visible light passes through a window. Higher VT means more natural light and better visibility. Factors like glass type, coatings, and window design affect VT. It's important for day lighting, energy efficiency, and creating comfortable indoor spaces.

**Ideal Range: 0.00 - 1.00**

 <b>Crystal Pacific Window &amp; Door Systems</b> Vista PLUS Single Hung Window Vinyl Frame Double Glazing (DS-3/16)-Argon-LoE <sup>3</sup> -366™ CPW-M-3-00337-00001	
<b>ENERGY PERFORMANCE RATINGS</b>	
U-Factor (U.S./I-P) <b>0.29</b>	Solar Heat Gain Coefficient <b>0.22</b>
<b>ADDITIONAL PERFORMANCE RATINGS</b>	
Visible Transmittance <b>0.51</b>	Air Leakage (U.S./I-P) <b>≤0.3</b>
<small>Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information. www.nfrc.org</small>	

### Solar Heat Gain Coefficient

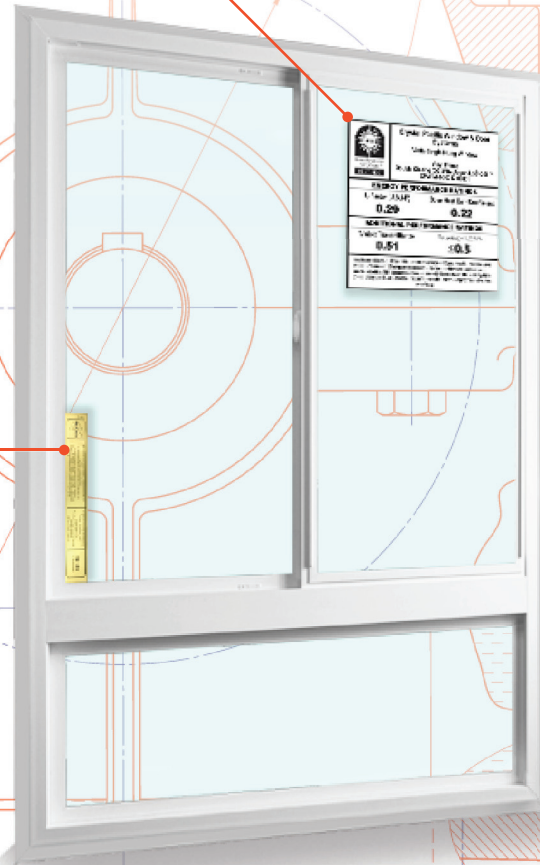
The Solar Heat Gain Coefficient (SHGC) measures how much solar heat a window allows into a building. Lower SHGC values means less heat enters. Factors like glass type, coatings, and shading affect SHGC. Lower SHGC reduces cooling needs, improves comfort, and helps meet hot climate energy codes.


**Ideal Range: 0.00 - 1.00**

### Air Leakage

Air leakage in windows happens when air seeps through gaps of poorly sealed areas. It leads to drafts, inconsistent temperatures, and higher energy bills. Factors like window design, installation quality, and frame materials influence air leakage. Addressing it improves energy efficiency and reduces maintenance.

**Ideal Range: ≤ 0.3**



 <b>Manufacturer Stipulates Conformance To:</b> NFRC 100/200/100 AAMA/NFRC29A 101/16 S 2/A440-17 Product Rating & Maximum Size Tested Class R-PQ20 1625 x 1624 (72 x 60) HS Design Pressure: ±960 Pa (20 psf)	<b>Crystal Pacific Window &amp; Door System, Inc.</b> Bloomfield, CA Product: Vista Vinyl Horizontal Sliding Window IG No. NAMA100018	<b>NFRC</b> CPW-M-4
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# NAMI Certified

## National Accreditation and Management Institute



“NAMI” refers to the National Accreditation and Management Institute (NAMI). This organization provides certification and accreditation services for manufacturers of windows and doors, ensuring that they meet industry standards for quality, performance, and safety. NAMI certification can help Crystal customers identify products that have undergone rigorous testing and evaluation, giving them confidence in their purchase.

# Crystal<sup>®</sup>

WINDOW & DOOR

Crafted with Passion, Built to Perform™



**A**t Crystal Pacific, we understand that your home is more than just a structure; it's a reflection of your style, your aspirations, and your dreams. That's why we've dedicated ourselves to crafting windows and doors that not only elevate the aesthetic appeal of your living spaces, but also enhance the functionality and comfort of your everyday life. Join us on a journey where innovation meets tradition, where cutting-edge technology harmonizes with the artisan window craftsman, and where every detail is meticulously curated.

**C**rystal Pacific Windows and Doors is a leading provider of premium architectural solutions, delivering high-quality windows and doors crafted to elevate both the aesthetic and functionality of any space. Since our Inception in 1990, our mission has been to revolutionize the fenestration industry. Through a commitment to innovation, craftsmanship, and customer satisfaction, we have set the standard in our field. These values remain the cornerstone of our company as we pave the way for the future of architectural solutions

| Crystal Pacific Window & Door Systems | [www.cpwds.com](http://www.cpwds.com) | [sales@crystalpacificwindow.com](mailto:sales@crystalpacificwindow.com) |



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