

PROFESSIONAL'S GUIDE





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VINYL WINDOW FEATURES



AT A GLANCE

- Harvey uses premium vinyl that's strong, resistant to insects and corrosion, and is effective at controlling noise.
- Harvey vinyl windows will never need painting and their heavy duty hardware lasts a lifetime. Most windows are available with FlexScreens, which spring into the screen track, allowing for easy installation, removal, and storage.
- Customization is endless with grid, glass, paint, and hardware options.



FEATURES FOR INSTALLERS

- Harvey's vinyl window sill is a smooth, sloped, single piece extrusion, without the dirt-collecting ridges other manufactures require in order to perform during testing; Harvey doesn't need them to bolster testing scores.
- New Construction windows at Harvey come in your choice of an integral J-fin or L-fin so you can select the nailing flange best suited to your project. Siding goes easily into the J-fin for a seamless look, or employ a L-fin when trimming out with PVC exterior casing—both at the same price. J pocket fillers convert J-fins into L-fins when fiber cement or wood siding is being used.



- 3 Extension jambs are designed to integrate directly into the extension jamb receiver, which is part of a Harvey window's vinyl extrusion, resulting in a clean transition. Since Harvey's extension jamb receiver is integrated, it resists the "fishmouthing" that happens with (other) applied, u-shaped extrusions. PFJ, clear pine and custom extension jambs are available (up to 7 1/4" wall depth), helping installers save time by not reworking openings.
- To help installers save even more time, Harvey has easy-to-use interior trim kits and factory applied exterior casing.

Your time is valuable. Get more done, faster, with our Vinyl Solutions: pg. 42





MAJESTY WINDOW FEATURES



AT A GLANCE

- ▶ The solid Ponderosa Pine wood components of Majesty products have been specially treated to resist rot, degradation, splitting, warping, and mildew.
- The extruded aluminum exterior cladding is precision formed to protect the sashes from outdoor conditions, and includes attractive beveling to match the aesthetics of wood windows.
- Pine interior snap-in grids are available for authentic look.



MAJESTY COMPONENTS

- Majesty weatherseals are designed to perform over a wide range of temperatures and weather conditions. A lightweight polypropylene stiffener additive, which does not absorb water or collect mold, creates an airtight seal that does not distort over time. The seal ensures a consistent barrier from external conditions and allows for smooth window operation. An average of 300 inches of custom designed Foam-Tite® compression bulb seals encase the full perimeter of the sash of Majesty windows similar to seals you see on dishwashers or refrigerators.
- The rigid non-compression Jamb Liner adds strength, stability and reduces air infiltration, while its special beveled design allows the sash to open and tilt easily.
- An electrostatic paint process adheres paint evenly onto exterior surfaces for an extremely durable finish that resists fading.







HARVEY VINYL WINDOWS BENEFIT HOMEOWNERS.





For homeowners, Harvey windows provide a lifetime of worry-free value. Maintenance is virtually non existent, with premium, high performance vinyl that won't crack or chip.

And if something does go wrong, homeowners can rest easy knowing their investment is backed by our Clear Confidence Warranties, with lifetime coverage on vinyl and mechanical parts, and 20 years of protection on glass seal failures (with full sash replacement). Plus, Harvey's US based customer service team provides phone support and can send trained field technicians to their home if needed. Our Clear Confidence Warranty is standard on select products.



ENERGY EFFICIENT DIFFERENCE





AIR INFILTRATION

Lower quality vinyl and composite windows aren't engineered to the same standards as Harvey windows, which have advanced integrated weatherseals and sash-locking technology. When these features are lacking, it leads to excessive air passing through the gaps where the sash meets the frame or around the perimeter of a closed window, otherwise known as a high rate of air infiltration (AI), a value that is determined through independent, 3rd party testing.

The American Architectural Manufacturers Association (AAMA) mandates a maximum air exchange rate of 0.30 cfm/sf at 1.57 psf (25 mph).

Harvey vinyl windows have air infiltration ratings ranging from .01-.07 cfm/sf. That's quite a difference—up to 96% better than the industry standard.

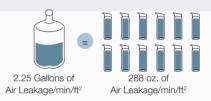
Why? Because Harvey windows were born in the Northeast where keeping out the cold is a priority. And, in the summer homeowners benefit by keeping cooler air in. If you choose a window with a higher AI, the more drafty a room will be, and the more energy will be used from frequent heating and cooling cycles, while a low AI rate can help homeowners save money and prevents additional wear and tear on their HVAC systems.

SO HOW MUCH AIR IS THAT?

The more air is leaking from a window, the more frequently an HVAC system will have to replace the air in a room. It helps to visualize air leakage in a unit that's familiar, like gallons and ounces of water.







.30 CFM/FT²

AAMA Minimum

At this rate, the air in a 12'x12' room* will get replaced: Once every 4.8hrs.



.12 CFM/FT²

Mid-Quality Vinyl Window**

At this rate, the air in a 12'x12' room* will get replaced:
Once every 12hrs.



.01 CFM/FT²

Harvey Tribute Windows

At this rate, the air in a 12'x12' room* will get replaced:

Just once every 144hrs. or 6 days!

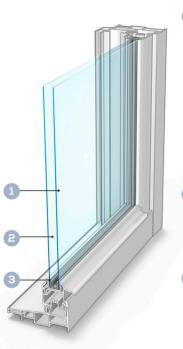
^{*}Assuming a 3'x5' vinyl double hung in a 12'x12'x9' room (1,296ft3)

^{**}Traditional High-Performance Vinyl Double Hungs with an average Al range of 0.11-0.21CFM

GLASS OPTIONS



Harvey gives you the flexibility to choose the performance package that fits your project with several glass options that meet ENERGY STAR requirements as well as additional energy efficient packages.



HOW OUR GLASS WORKS

A special coating, known as Low-E, is applied to our glass to reduce temperature transference by reflecting infrared light. Low-E is a non-toxic, environmentally friendly way to enhance a window's energy efficiency.

Low-E coatings can be applied to the various sides of the glass panes. Our highest performing glass features a roomside Low-E coating, found on the inner most glass side with an additional layer of Low-E applied to the exterior glass pane.

- Colorless, odorless, non-toxic Argon gas fills the space between the glass. Because it's heavier than air, it provides better insulation than alone, increasing the thermal performance of the glass.
- The areas where the edges of the glass meet the frame are most vulnerable to temperature transference, so a warm edge spacer is used to insulate where the glass seals to the window frame, reducing heat transfer through the window.



THERMALOCK RS

Best for North-Central Climates

ThermaLock RS with roomside Low-E helps to keep interior temperatures consistent by reflecting heated or cooled air back inside, while still allowing ample sunlight in.

THERMALOCK 3X

Triple Glazed

ThermaLock 3X with roomside Low-E is our premium ENERGY STAR option. It kicks performance up a notch with three Low-E coated panes of glass, (including roomside), making it the best choice to significantly reduce energy consumption in climates where both cooling and heating costs are a concern.



SUNGAIN PLUS
Best for Northern Climates

SunGain Plus with roomside Low-E, is engineered to have a high Solar Heat Gain Coefficient so more of the sun's rays penetrate the glass to offset heating, providing superior performance in northern climates.

SunGain Plus also has our highest Visible Transmittance (VT) rating which means it allows more natural sunlight in.



SUNSHIELD PLUS | SUNSHIELD Best for South/South-Central Climates

SunShield Plus with roomside Low-E and SunShield work by shielding the home from solar heat and ultraviolet rays that can fade furniture and carpet.

Tinting is minimal with virtually no exterior reflectance, keeping the view unobstructed.



NFRC values for ENERGY STAR 7.0 rated and other energy efficient glass packages can be found in the Thermal Specifications chart in the reference section of this guide.

Full window configuration (i.e.: size, grids, operating style and other options) affect unit NFRC values and therefore ENERGY STAR zone compliance. Products are tested for performance regularly and ae subject to change.

CUSTOMIZATION OPTIONS

GRIDS

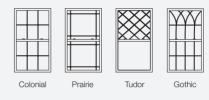
Both 5/8" and 1" grids in either contoured or flat are available for most products. Grids can also be painted.

See product pages for grid options per window/doors style.



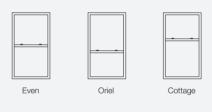
CONFIGURATIONS

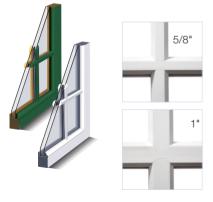
Fully customize any grid design. Choose Colonial, Prairie, or other unique styles like Tudor or Gothic.



SASH ORIENTATION

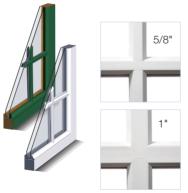
Even sashes are nice, but you can also select Oriel, Cottage, or a custom orientation.





SDL SIMULATED DIVIDED LITES

For a dramatic and upscale look, choose the SDL grid system which utilizes a pewter in-glass grid with grids applied on both the interior and exterior. Available for most Majesty Wood and vinyl windows.



EXTERIOR APPLIED

Exterior applied grids provide a more defined architectural style on the exterior, with the ease of grids between glass on the inside. Available for most vinyl and Majesty Wood windows.



GBG GRIDS BETWEEN GLASS

Color-matched contoured grids are positioned between the glass, allowing for easy cleaning. Available for most Majesty Wood and vinyl windows.

SCREEN OPTIONS







FLEXSCREEN FRAME ***

Experience the ultimate in window screen innovation with FlexScreen. This discreet frame effortlessly disappears into your window, creating an unobstructed view. Crafted from robust, break-resistant steel with a scratch-resistant powder coating, FlexScreen is built to last. It springs into place, making installation a breeze. Combine with VIEWS mesh for the clearest view.

- Nearly indestructible
- No color matching necessary
- Full view
- No hardware
- ▶ Effortless installation and removal



EXTRUDED ALUMINUM FRAME

Harvey aluminum frames are tough, sturdy and relatively easy to remove and install, with hidden metal corners that won't become brittle like the exposed plastic corners found on lower quality screens.

MESH



VIEWS

Standard Screen



Upgrade to Virtually Invisible Screens, for a brighter view, 25% better airflow, and maximum protection against small insects.

FIBERGLASS



A popular choice for its durability, fiberglass is flexible and does not crease, dent, or unravel.

Screens come in half and full sizes. See product pages for screen options per window/door style.

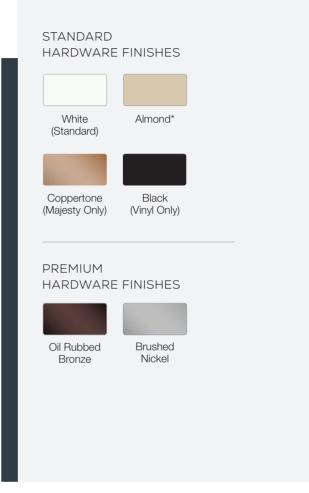
PAINT AND HARDWARE FINISHES

EXTERIOR VINYL FINISHES

In addition to White or Almond extruded vinyl windows and patio doors, Harvey offers a standard and custom exterior paint spectrum backed by a 10-year limited warranty against cracking, peeling or discoloration.

The water-based coatings contain special pigments to withstand temperature fluctuations while retaining vibrant color. With no toxic hardeners, the finish is durable while exceeding environmental and performance standards.





MAJESTY FINISHES

Majesty Wood windows and patio doors feature a precision molded aluminum exterior that protects wood components from environmental conditions.

An electrostatic paint process adheres color evenly onto the aluminum clad surfaces, ensuring an extremely durable finish that resists fading. Majesty products come in your choice of 5 exterior finishes, at no additional charge.

The interior can be left as warm, unfinished pine to be painted or stained after installation, or professionally prefinished in white for no mess or hassle post-installation.

EXTERIOR INTERIOR White Almond Prefinished White* Forest Green Black Pine Dark Bronze



Performance requirements for superior performance organic coatings

Exterior paint and upgraded hardware finishes are not available on Slimline.

*Almond vinyl and hardware not available on Tribute window. Almond vinyl cannot be painted

^{**}Gliding Majesty window only available in factory primer.

WARRANTY AND CUSTOMER SUPPORT

CLEAR CONFIDENCE WARRANTY

For over 60 years, we've built our reputation on the outstanding craftsmanship of our products and our world-class customer service.

You can rest easy knowing that most Harvey windows are backed by our Clear Confidence Warranty and that our commitment lasts a lifetime.

Visit our website for full details.

VINYL WINDOW WARRANTY



20 YEARS GLASS COVERAGE
20 YEARS TRANSFERABILITY

MAJESTY WINDOW WARRANTY



20 YEARS GLASS COVERAGE
20 YEARS TRANSFERABILITY

CLAIMS

Warranties provided by Harvey are for product parts and mechanisms; they do not cover damages resulting from improper installation nor do they cover labor charges. Please see actual warranty for details.

Parts covered under warranty are provided free of charge.

Information needed for claims is listed on the warranty label. The label is generally attached to the product in an inconspicuous place (often times within the header or hinge). Exact placement of the warranty label varies depending on product. Below you will find an example of our warranty label, indicating the pertinent information we need to help facilitate your claim.

Warranty claims can be submitted via our website or by calling our Field Service Department at 1-800-822-0437.

FIELD SERVICE

Field Service provides customer support for technical, installation and warranty questions, as well as ordering necessary replacement parts.

If you or your customer are experiencing an issue with a Harvey product that cannot be rectified with the information supplied on our website, please be sure to gather the required information from the warranty label before calling Field Service.





MAJESTY WOOD WINDOWS

In keeping with traditional wood windows, Majesty windows withstand the elements and operate smoothly for a lifetime. Energy efficient glazing options combined with a well-built, durable aluminum clad wood frame and sash are manufactured by folks who have been making windows for more than 60 years.

That level of expertise is what sets Majesty apart; the perfect combination of state-of-the-art engineering, energy-saving value, and stylish elegance.



MAJESTY WOOD DOUBLE HUNG









Superb architectural details include a refined 45° glazing bead, overlapping grids, and elegant recessed hardware to provide a traditional and sleek look. The top and bottom sash have weatherstripping around them that prevents air infiltration and both tilt in for easy cleaning.

RECESSED SASH LOCK



LIFT OPTIONS



Routed Bottom Sash



Hook and Loop

FEATURES

Energy efficient glazing options

Solid pine interior with aluminum clad exterior

Recessed hardware provides unobstructed views and elegant, streamlined appearance

Jamb liner is standard in Almond; also available in White

Size Limitations pg. 63

REPLACEMENT

3-1/4" jamb depth

Aluminum sill expander included

NEW CONSTRUCTION

4-9/16" standard jamb depth; 6-9/16" field-applied extension jambs available



OTHER OPTIONS

Grids come in 5/8" and 1" sizes

Custom grid configurations plus oriel & cottage sash options

Obscured, Bronze or Tempered glazing available

Full size screens

Interior options include warm, unfinished pine or professionally prefinished white (includes 10-year paint warranty)

OPTIONS

GLASS PACKAGES





SunShield PLUS SunShield

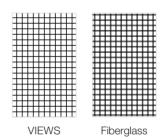
ThermaLock

SCREEN | FRAME



FlexScreen

SCREEN | MESH



GRID | TYPE



GBG



Exterior

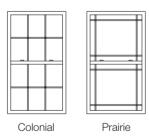
Applied/

Interior Snap-in



SDL

GRID | STYLE



COLORS | HARDWARE

COLORS | INT./EXT.





Int. Pine or White Ext. Almond





White/Almond

Coppertone





Brushed Nickel

Oil-Rubbed Bronze



Green

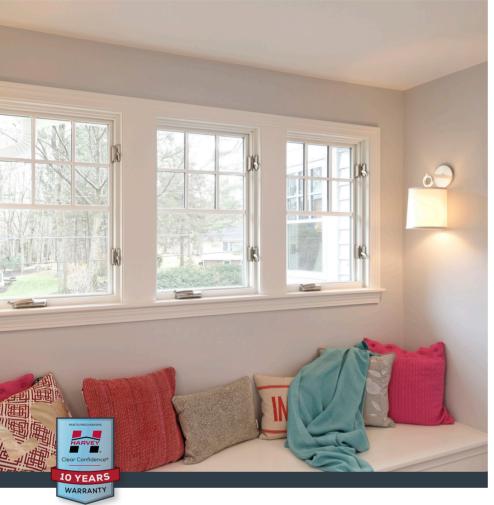
Ext. White



Ext. Black

Ext. Dark Bronze

MAJESTY CASEMENT & AWNING









Favored in contemporary homes for their sleek, unobstructed expanses of glass, casement and awning windows have clean, modern lines and a durable aluminum clad exterior for maintenance-free protection. They are easy to open and feature full weatherstripping around the sash to keep homes comfortable.

COMPACT FOLDING HANDLE CASEMENT



HANDLE AWNING



FEATURES

Energy efficient glazing options

Solid pine interior with aluminum clad exterior

Casements: tandem locks standard on units \geq 36" in height. For ease of operation, tandem locks engage/disengage with operation of just the lower lock*.

Awning: hinge at the top and open outward to let in fresh air and deflect away rain

^{*}Egress hardware not available

Size Limitations pg. 63

REPLACEMENT

3-1/4" jamb depth

NEW CONSTRUCTION

4-9/16" standard jamb depth; 6-9/16" field-applied extension jambs available



OTHER OPTIONS

Grids come in 5/8" and 1" sizes

Custom grid configurations plus oriel & cottage sash options

Obscured, Bronze or Tempered glazing options

Full size screens

Interior options include warm, unfinished pine or professionally prefinished white (includes 10-year paint warranty)

OPTIONS

GLASS PACKAGES



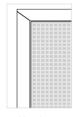


SunShield PLUS SunShield

ThermaLock

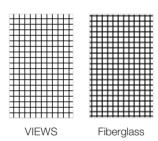
ThermaGuard

SCREEN | FRAME



Aluminum

SCREEN | MESH



GRID | TYPE



GBG



Exterior

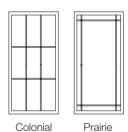
Applied/ Interior

Snap-in



SDL

GRID | STYLE



COLORS | HARDWARE

COLORS | INT./EXT.







Int. Pine or White









Coppertone

Ext. White



Ext. Black





Oil-Rubbed Bronze

Ext. Forest

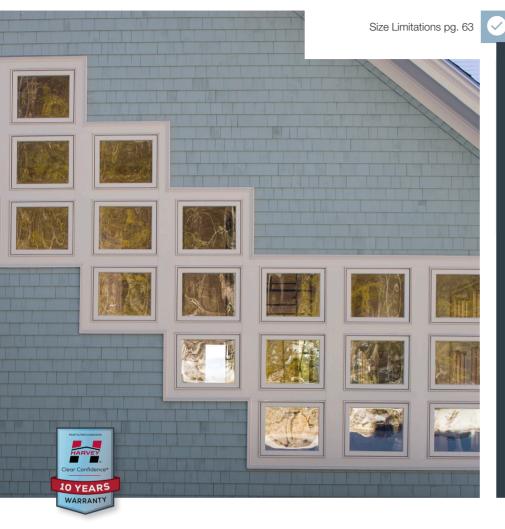
Green



Ext. Dark Bronze

19

MAJESTY PICTURE & SHAPES



REPLACEMENT PICTURE

3-1/4" jamb depth

NEW CONSTRUCTION PICTURE

4-9/16" standard jamb depth; 6-9/16" field-applied extension jambs available



If you are opening up a room to a spectacular view, consider Majesty picture windows. Perfect for new construction or replacement projects, they are available in energy efficient, obscured, bronze or tempered glazing. Or, for a dramatic design, pair them with Majesty shape windows.

OPTIONS



All Grid Styles













Green



Ext. Almond



Ext. Black

FEATURES

Energy efficient glazing options

Solid pine interior

Aluminum clad exterior

OTHER OPTIONS

Grids come in 5/8" and 1" sizes as well as custom configurations

Interior options include warm, unfinished pine or professionally prefinished white (includes 10-year paint warranty)

^{*}Majesty shapes do not come with ENERGY STAR glazing.



MAJESTY GLIDING



NEW CONSTRUCTION

2 and 3-Lite design options with routed sash standard

3-Lite configurations available in 1/3, 1/3, 1/3 (equal) or 1/4, 1/2, 1/4 (QHQ) sash splits

4-9/16" standard jamb depth; 6-9/16" field-applied extension jambs available

Factory applied flexible nail fin and drip cap

One piece aluminum sill

Optimize fresh air and sunlight without compromising space or energy efficiency. The interior sash of a Majesty gliding window horizontally slides by the fixed exterior sash, making them ideal when an outward swinging window cannot be used. Obscured and tempered glazing available.

OPTIONS



ThermaLock



Aluminum



Fiberglass or VIEWS Mesh



SDL & GBG Styles



All Color Options

FEATURES

Energy efficient glazing options

Solid pine interior

Aluminum clad exterior

Double locks on frame heights greater than 34.5"

OTHER OPTIONS

Grids come in 5/8" and 1" sizes as well as custom configurations

Interior options include warm, unfinished pine or primed white

MAJESTY BAY & BOW



INSTALLATION OPTIONS

Bay: either 30° or 45° angles

Bow: 10° angle

Cable support system is required to ensure a stable installation and is included with each unit, along with detailed instructions

Custom manufactured to fit virtually any opening

Edge banded finish jambs and head and seat boards in oak or maple veneer

L style nail fin

Harvey's Majesty bay and bow are beautiful and functional. They can be made from casement, picture, or double hung windows, with the same glass, screen, grid and color options. There are no exposed joints or caulking on the exterior of the unit.

CUSTOM ROOFS

All roof systems are fully framed and sheathed in 1/2" plywood; custom roof height includes flange.

They are available in 16 oz. copper or solid aluminum and are also compatible with several other manufacturers.

Underlayment and shingles for finishing structural roofs are available at all Harvey locations. Exterior casing not available on bay/bow window.

*Seat board standard with white aluminum face only, color matched caps finish the outside edge.

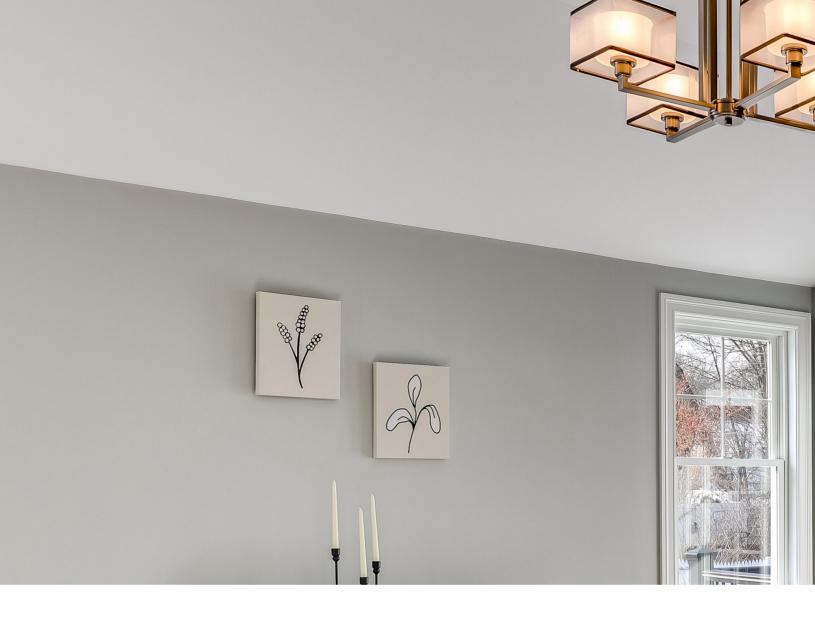


FEATURES

Energy efficient glazing options

Solid pine interior with aluminum clad exterior

Insulated seat board (R=9) custom made to fit each unit*

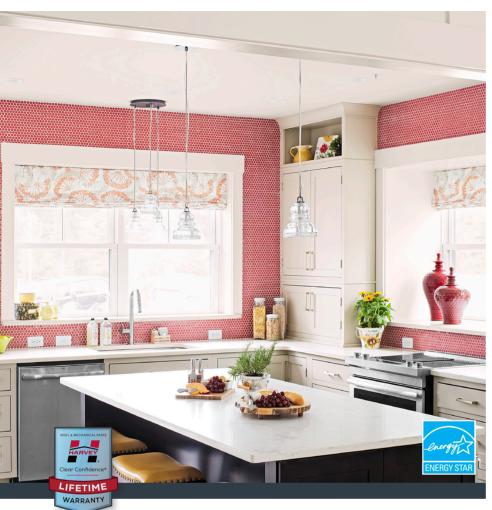


VINYL WINDOWS

Harvey vinyl windows have been engineered to withstand the elements and look good while doing it. Features like our premier block and tackle balance system and dust cover, corrosion-resistant zinc plated alloy pivot bars and terminal housing, extrusion injected weather seals, and durable die-cast metal locks provide a lifetime of all-weather protection plus smooth opening and closing.



TRIBUTE VINYL DOUBLE HUNG









The Harvey Tribute double hung provides superior efficiency and stunning good looks. Fusion welded with a contoured sash and glazing bead to emulate the traditional look of a wood window, Tribute has a revolutionary dual-action lock/tilt latch combo for clean lines with no exposed tilt latches.

DUAL ACTION LOCK



LIFT OPTIONS



Applied





Integral

None

FEATURES

ENERGY STAR glazing options

Double locks are standard

Sash/glazing bead contours and Simulated Divided Lite grids could help meet historic requirements

Size Limitations pg. 62

REPLACEMENT

3-1/4" jamb depth

Adjustable vinyl sill extender and head expander included

NEW CONSTRUCTION

Extension jambs available for 4-9/16" and 6-9/16" wall depths

Integral L or J fin available



OTHER OPTIONS

Grids come in 5/8" and 1" sizes

Custom grid configurations plus oriel & cottage sash options

Full and half size screens

Exterior Factory Applied Casing: Flat & 908 Brickmould, with or without sill nose

Interior Trim Kits

OPTIONS

ENERGY STAR GLASS



SunGain PLUS HSHG



ThermaLock RS ThermaLock 3X HPTG

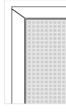


SunShield PLUS

SCREEN | FRAME

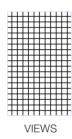


FlexScreen



Aluminum

SCREEN | MESH



GRID | TYPE



GBG

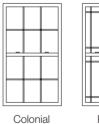


Exterior **Applied**



SDL

GRID | STYLE



Prairie

COLORS | EXTERIOR



White Vinyl (Standard)



Interior/exterior finish also available in Matte Black. Matching hardware options available.

COLORS | HARDWARE



White (Standard)



Oil Rubbed Bronze



Brushed Nickel

CLASSIC VINYL DOUBLE HUNG









Our most popular window, the Classic offers a variety of color, grid and hardware options to match the style of any home. ENERGY STAR options and advanced performance features makes Classic an excellent choice for a hardworking, dependable, yet customizable window.

See pg. 78 for structural ratings.

METAL CAM LOCK



FEATURES

ENERGY STAR glazing options

Wet Glazed Sash for superior performance and Air Infiltration

Double locks are standard on widths \geq 30"

DP40 standard on all single unit sizes. Vinyl sill interlock feature standard on unit widths over 42". Sizes up to 42" x 77" meet DP50 rating without the need for sill rise extenders, improving clear opening.

Size Limitations pg. 62

REPLACEMENT

3-1/4" jamb depth

Adjustable vinyl sill extender and head expander included

NEW CONSTRUCTION

Extension jambs available for 4-9/16" and 6-9/16" wall depths

Integral L or J fin available



OTHER OPTIONS

Grids come in 5/8" and 1" sizes

Custom grid configurations plus oriel & cottage sash options

Full and half size screens

Exterior Factory Applied Casing: Flat & 908 Brickmould, with or without sill nose

Interior Trim Kit

OPTIONS

ENERGY STAR GLASS



SunGain PLUS



ThermaLock RS ThermaLock 3X HPTG

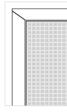


SunShield PLUS

SCREEN | FRAME

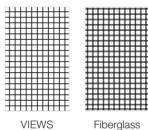


FlexScreen



Aluminum

SCREEN | MESH



GRID | TYPE



GBG

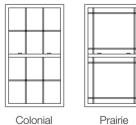


Exterior **Applied**



SDL

GRID | STYLE





COLORS | EXTERIOR



White Vinyl (Standard)



Almond Vinyl



Interior/exterior finish also available in Matte Black. Matching hardware options available.

COLORS | HARDWARE





White (Standard) Almond



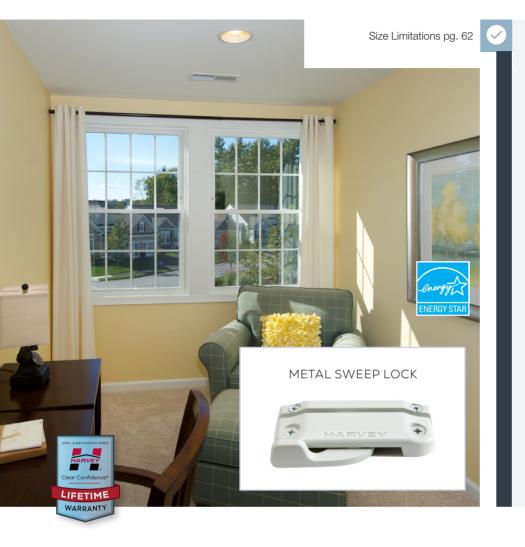
Oil Rubbed Bronze



Nickel

Premium hardware includes matching lock and tilt latches

SLIMLINE VINYL DOUBLE HUNG



REPLACEMENT

3-1/4" jamb depth

Adjustable vinyl sill extender and head expander included

NEW CONSTRUCTION

Extension jambs available for 4-9/16" and 6-9/16" wall depths

Integral L or J fin available



The Harvey Slimline vinyl double hung window lives up to its name with a slim, fully-welded sash profile and frame that minimizes bulk and maximizes your view. Slimline comes in solid white and almond vinyl, with low profile metal sweep locks.

OPTIONS



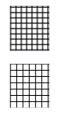
Almond Vinyl



SunGain PLUS ThermaLock RS SunShield PLUS



FlexScreen Aluminum



Fiberglass or VIEWS Mesh



GBG

FEATURES

ENERGY STAR glazing options

Grids come in 5/8" size

Custom grid configurations plus oriel & cottage sash options

Full and half size screens

Double locks are standard on widths ≥ 30"

Exterior Factory Applied Casing: Flat & 908 Brickmould, with or without sill nose

Interior Trim Kit

Available in single hung

		SLIMLINE	CLASSIC	TRIBUTE	
SASH & FRAME					
OAOI	ENERGY STAR 7.0 Glass		•	•	
Glass	Specialty		•	•	
	Clear		•	•	
Architectural Aesthetic	Contoured Sash and Glazing Bead			•	
Sash Configuration	Oriel, Cottage and Standard	•	•	•	
Foam-Filled	Frame Performance Upgrade		•	•	
EXTERIOR COLORS					
Solid Color Vinyl	White	•	•	•	
	Almond	•	•		
	Stocked Black & Dark Bronze		•	•	
	Standard Colors (six options)		•	•	
Painted	Black Interior/Black Exterior Paint		•	•	
	Color matching + Custom		•	•	
HARDV	VARE & GRIDS				
17,11,151	Low Profile Metal Sweep	•			
Lock Style	Metal Cam		•		
2001.00	▼⊘ • Premium Dual Action			•	
	Standard Finishes	•	•	•	
Lock Color	▼⊘ ▼ Premium Finish Option		•	•	
Lift Handle	▼ Premium Applied Option			•	
	Standard for Ventilation	•	•		
Limit Latches	▼⊘ ▼ Premium Always Active			•	
	Premium Always Active			•	
Grids	Between Glass	•	•	•	
	Exterior Applied		•	•	
	Simulated Divided Lites		•	•	
SCREENS					
Frame	Extruded Aluminum	•	•	•	
	▼⊘ ▼ Premium FlexScreen	•	•	•	
	Fiberglass	•	•		
Mesh	▼⊘ ▼ Premium Views	•	•	•	
PERFORM	ANCE UPGRADES				
Structural	DP50 Upgrade	•	•	•	
	Aluminum Reinforcements	•	•		
EASE-OF-INST	ALLATION FEATURES				
Mull Option	Common Jamb	•	•	•	
Nail Fins	New Construction J or L	•	•	•	
Factory Applied	PFJ/Clear Extension + Custom Jamb	•	•	•	
	Exterior Casing	•	•	•	
Primed Int. Trim	Pre-assembled Kits	•	•	•	
WARRANTY					
Clear Confidence Lifetime	On Vinyl/Parts & 20yr. glass seal	•	•	•	





Harvey Windows can be customized to fit any design aesthetic and performance level, with a lineup that not only includes three vinyl double hung options, but also casement, awning, rolling, hopper, picture, and shape styles as well.











CASEMENT & AWNING VINYL









Easy-to-operate Harvey casement and awning windows with improved handle provide clean, contemporary lines and maximum ventilation. There's no need to stretch to reach a top lock because the casement unlocks with one conveniently placed latch. The bottom of the awning tilts outward by turning the compact folding handle.

FOLDING HANDLE

Easy-to-use, compact, full-flip folding handles tuck neatly into the cover for a modern, nested appearance.

Single latch, multi-point locking system is standard.



FEATURES

ENERGY STAR glazing options

Simulated double-hung meeting rail available on casement

Multi-lite units are factory built as one unit with common jambs

Available in sizes up to 36" x 80", as big as an entry door!

Size Limitations pg. 62

REPLACEMENT **CASEMENT & AWNING**

3-1/4" jamb depth

Adjustable vinyl sill extender and head expander included

NEW CONSTRUCTION CASEMENT & AWNING

Extension jambs available for 4-9/16" and 6-9/16" wall depths

Integral L or J fin available



OTHER OPTIONS **CASEMENT & AWNING**

Grids come in 5/8" and 1" sizes

Custom grid configurations available

Exterior Factory Applied Casing: Flat & 908 Brickmould, with or without sill nose

Full size screens

Interior Trim Kit

OPTIONS

ENERGY STAR GLASS





SunGain PLUS

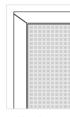
ThermaLock RS ThermaLock 3X HPTG

SunShield PLUS

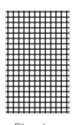
SCREEN | MESH

SCREEN | FRAME









FlexScreen

Aluminum

VIEWS

Fiberglass

GRID | TYPE



GBG



Applied





Prairie

COLORS | EXTERIOR









(Standard)

Colonial



White Vinyl Almond Vinyl (Standard)









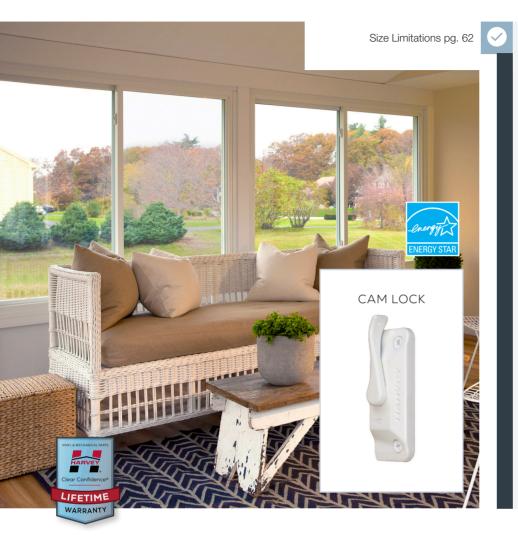


Oil Rubbed Bronze

Brushed Nickel

Interior/exterior finish also available in Matte Black. Matching hardware options available.

ROLLING VINYL



REPLACEMENT ROLLING

3-1/4" jamb depth

Adjustable vinyl sill extender and head expander included

NEW CONSTRUCTION ROLLING

Extension jambs available for 4-9/16" and 6-9/16" wall depths; custom sizes available

Two integral nailing flange new construction frames available:

- Extension jamb receiver:
 Features an integral pre-punched nailing flange, J siding receiver pockets and an integral extension jamb pocket
- Flat frame:

Should be specified for applications in which installers will provide their own extension jambs, sheet rock or other finishing techniques

Fully welded for maximum durability, Harvey rolling windows move smoothly on a set of brass rollers and are easy to operate on both sides. Rolling windows are particularly helpful for homeowners that have limitations on physical movement.

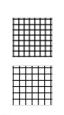
OPTIONS



All E-STAR Glass Packages



FlexScreen Aluminum



Fiberglass or VIEWS Mesh



All Grid Styles



All Finish Options

FEATURES

ENERGY STAR glazing options

Compatible with our aluminum receptor, structural mullion and panning systems

Cam lock hardware and integral full-height handles on operable sash standard

②

Size Limitations pg. 62

REPLACEMENT HOPPER

3-1/4" jamb depth

Adjustable vinyl sill extender and head expander included

NEW CONSTRUCTION HOPPER

Extension jambs available for 4-9/16" and 6-9/16" wall depths

Integral L or J fin available



HOPPER VINYL



OTHER OPTIONS ROLLING & HOPPER

Grids come in 5/8" and 1" sizes

Custom grid configurations available

Full and half size screens for Rolling; full size only for Hopper

Exterior Factory Applied Casing: Flat & 908 Brickmould, with or without sill nose

Interior Trim Kits

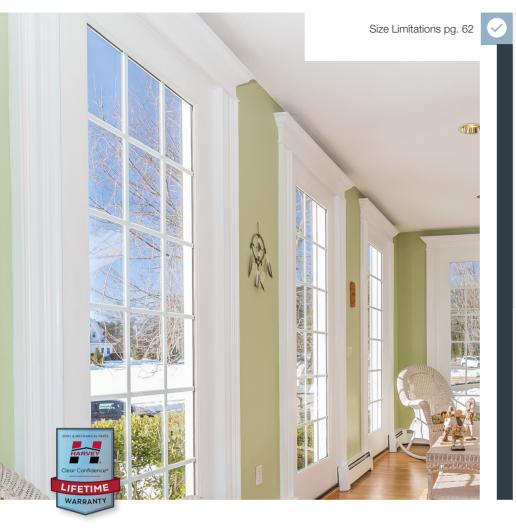
The Harvey hopper window is an excellent choice for basement applications. The hopper includes a fully extruded aluminum/fiberglass screen and is custom made to fit your opening. The latch handle comes in white.

Double locks are standard on widths of \geq 30-1/4" and all mulled units have one-piece head expander.

Hopper performance & style options include:

- All grid and exterior color options to match your other Harvey windows
- ENERGY STAR glazing packages upgrades
- ▶ VIEWs screen upgrade available

PICTURE VINYL



INSTALLATION OPTIONS PICTURE

3-1/4" jamb depth

Extension jambs available for 4-9/16" and 6-9/16" wall depths; custom sizes available

Aluminum sill angle and head expander included

All mulled units have one-piece head expander (optional)

Common jamb available



Take in the great outdoors with a picture window. Use them by alone or combine them with casements and/or double hung windows for more sweeping views and greater air circulation. Picture windows also perfectly compliment shape windows when creating a custom configuration.

OPTIONS



All E-STAR Glass Packages



All Grid Styles



All Finish Options

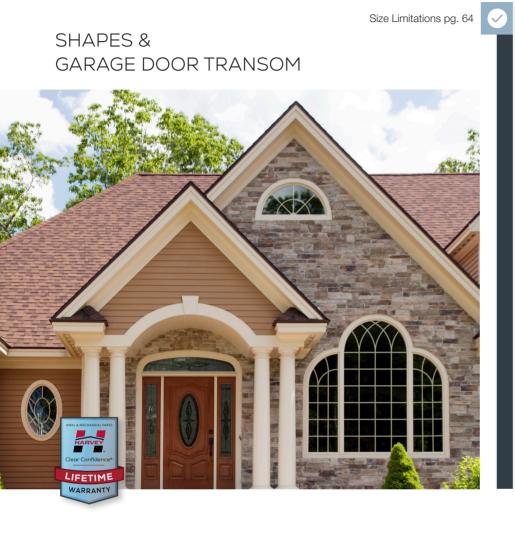
FEATURES

ENERGY STAR glazing options

OTHER OPTIONS

Grids come in 5/8" and 1" sizes as well as custom configurations

Interior Trim Kits



INSTALLATION OPTIONS SHAPES

Foam PVC extension jambs (standard); option for wood extension jambs

4-9/16" or 6-9/16" extension jamb, and 2-1/2" or 3-1/2" PVC Colonial or Windsor trim

New construction has Integral L or J fin available

INSTALLATION OPTIONS GARAGE DOOR TRANSOM

New construction has J-fin standard; L-adaptor available

Available with or without extension iamb receiver

Primed, 4-9/16", 6-9/16" extension jambs; custom sizes up to 7-1/4"

Factory Applied Exterior Casing: 3" flat or 908 brickmould, with sill nose or picture-framed

Thanks to Harvey's special vinyl forming process, you can add variety and individuality to projects with custom shapes.

Specialty shapes include octagons, triangles, roundtops and full circles. Numerous grid options enhance interior design possibilities. Wood and PVC trim can be specified on any specialty window for added value and beauty.

Another great way to let in natural light and add a decorative element is with a custom transom above the garage. Standard grid pattern is 14-lite 5/8" contoured Grids Between Glass. Additionally, garage door transoms can be ordered in 2-or-3-wide common jamb.

See patio door transoms page 59.

FEATURES

ENERGY STAR glazing options available

Available in white or almond vinyl and our full spectrum of exterior paint options

OTHER OPTIONS

Grids come in 5/8" and 1" sizes as well as custom configurations

BAY & BOW VINYI



INSTALLATION OPTIONS BAY & BOW

Bay: either 30° or 45° angles

Bow: 10° angle

Cable support system is required to ensure a stable installation and is included with each unit, along with detailed instructions

Custom manufactured to fit virtually any opening and factory assembled for easy installation

Edge banded finish jambs and head and seat boards in oak or maple veneer

L style nail fin

Harvey's bay and bow windows combine traditional style with the convenience of maintenance-free vinyl. They can be made from casement, picture, or double hung windows, with the same glass, screen, grid and color options. There are no exposed joints or caulking on the exterior of the unit.

CUSTOM ROOFS

All roof systems are fully framed and sheathed in 1/2" plywood; custom roof height includes flange.

They are available in 16 oz. copper or solid aluminum and are also compatible with several other manufacturers.

Underlayment and shingles for finishing structural roofs are available at all Harvey locations. Exterior casing not available on bay/bow window.

*Seat board standard with white aluminum face only, color matched caps finish the outside edge.

ALUMINUM ROOF COLORS White Coppertone Patina Bronze

FEATURES

ENERGY STAR glazing options

Multi-point lock on all casements

Insulated vinyl mullions

Insulated seat board (R=9) custom made to fit each unit*

Size Limitations pg. 62

~

GARDEN VINYL

HEAD/SEAT BOARD AND JAMB FINISHES UPGRADES









Birch Veneer (Standard)

Oak Veneer (Standard)

White Laminate

Tan Laminate

LG SURFACE SEAT BOARD COLORS UPGRADES









Arctic White

Black Pearl

arl Vanilla Sugar

Almond





Gray Granite

White Quartz

INTERIOR/EXTERIOR FRAME FINISH UPGRADES









Tan

Champagne (painted, ext. only)

Cocoa (painted, ext. only)

Lt. Oak Laminate (interior only)

Bring the outdoors in with Harvey's vinyl garden window. Perfect for both new construction and remodel projects, garden windows are a beautiful setting for plants, collectibles or decorations.

Units come standard in white frame/laminate 4-9/16" jamb, and a choice of birch or oak veneer for the shelf and seat board.

Garden performance and style options include:

- Grid and color options.
- Adjustable glass shelf (with polished edges and brackets/standards) can be added.
- Waterproof insulation seat board to increase R-Value to 6.22.

INSTALLATION OPTIONS GARDEN

Largest size available 72" x 48"

Units 60-1/2" x 60-1/2" and smaller are AAMA certified for an R-50 rating

Extension jambs available for 6-9/16" wall depths

Nail fin and flashing included



FEATURES

High performance 1" insulating glass with option of Low-E/Argon glazing

Top lite (a constant 35° pitch) is tempered for improved safety and integrity

Support brackets are not needed

10 year warranty



VINYL WINDOW SOLUTIONS

Harvey offers a number of unique and innovative solutions to solve your most challenging roadblocks relating to building design, product capabilities or installation.

Reduce daily installation time and save money on materials with product combos that just make sense for all types of projects including remodeling & restoration, single & multi-family, and light commercial.



TRIM KITS & EXTERIOR CASING



INSTALLATION IS EASY!



After window installation, position Trim Kit inside built-in pocket of Harvey window.



Secure Trim Kit with finish nails.



Align apron to outside of frame.



Secure apron with finish nails and fill in nail holes.

Harvey Interior Trim Kits are easy to order and provide quality workmanship and a precision fit that cuts your installation time down to seconds. Fully assembled kits include interior casing and extension jambs, glued and backstitched, ready to apply to all Harvey vinyl new construction windows. Available in 8 classic profiles.

Harvey also has a product for speeding up exterior finishing: fusion welded, factory applied casing options that allow homeowners to forget about costly maintenance. They are moisture-proof, insect-proof and provide a lifetime of beauty and value.

FEATURES

Interior Trim Kits:

Available in finger-jointed pre-primed pine or clear pine. Apron is cut to length with mitered returns and ships separately, to be installed on-site.

Factory Applied Ext. Casing:

Available in White or Almond vinyl (extruded from the same materials as Harvey windows) and can be painted for the perfect match.

INSTALLATION OPTIONS INTERIOR TRIM KITS

Extension jambs available in 4-9/16" or 6-9/16" drywall as well as 4-3/4" or 6-3/4" plaster + custom depths

Available for most factory-mulled combinations (excluding shapes)

INSTALLATION OPTIONS FACTORY APPLIED EXT. CASING

Available in 908 brickmould or 3" flat with or without sill nose

Built-in 13/16" J-channel and optional L-fin adapter



OPTIONS

INTERIOR TRIM KIT PROFILES



2-1/4 Colonial WM366



2-1/2 Clamshell/Ranch WM315



2-1/2 Colonial WM351



3-1/4 Beaded Colonial WM445



3-1/2 Colonial WM444



Windsor LGM7/B200



3-1/2 Stafford GM650/B225



3-1/2 Flat WM412

FACTORY APPLIED EXTERIOR CASING PROFILES



Shown without sill nose 3" Flat



Shown with sill nose 908 Brickmould

COLORS | TRIM KIT



Finger-jointed Pre-primed Pine



Clear Pine

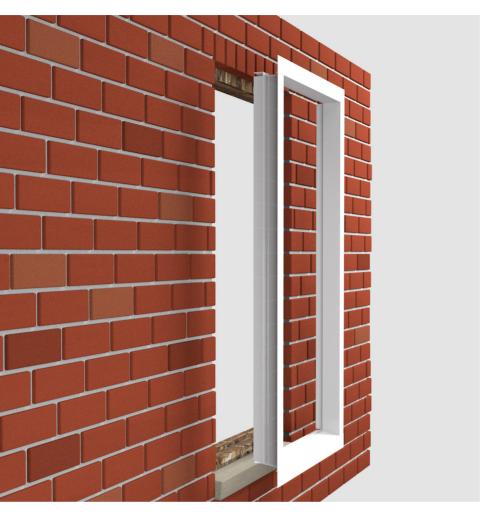
COLORS | EXTERIOR CASING



White Vinyl Almond Vinyl



PANNING SYSTEMS



INSTALLATION OPTIONS

Available in full length lineal or factory cut and notched

Sill is available in 16' lengths

Head/jamb is available in 18' lengths



Retrofitting masonry openings or historic structures in order to install energy efficient windows can be time consuming and costly. The solution? The Harvey aluminum panning system, designed to fit Harvey vinyl windows perfectly.

Harvey's panning system is designed for window replacement applications over existing wood or steel frames, allowing for a clean, tight window installation while leaving the existing building intact. The panning covers the perimeter of the opening without disturbing the casing and frames, and provides a stop to install the window into.

The design utilizes a sloped sill with a common part for the head/jamb and is engineered using heavy extruded aluminum parts. This highly compatible system installs into the window opening first, followed by the window (replacement style).

FEATURES

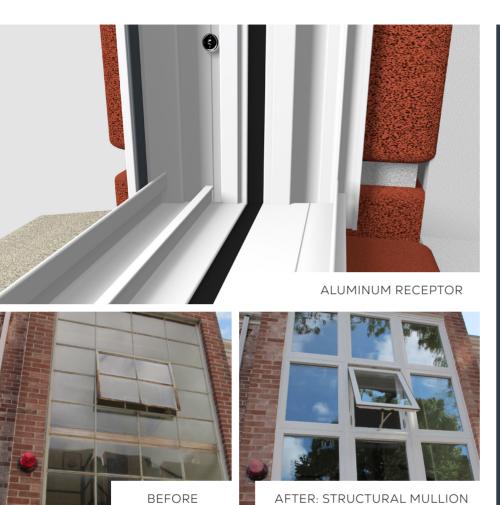
Aluminum extruded to 0.085" wall thickness

7/16" raised leg on sill

Standard profile is compatible with most openings

Available in White, Almond, Black, and Dark Bronze to match Harvey windows

RECEPTOR & STRUCTURAL MULLION





Receptor systems have long been used on job sites with aluminum windows, but now there is a customized solution for vinyl window projects. Harvey's aluminum receptor system simplifies and accelerates installation in projects with challenging existing conditions. This thermally broken product is used in place of interior/exterior stops, resulting in a cleaner look than traditional installations.

Ideal for masonry, the receptor system, along with a structural mullion, is designed to convert oversized openings to an individual opening to facilitate easy installation, without the need for lifts on multi-story structures. Enhanced features include custom weep holes and bulb weatherstripping to ensure a tight seal.

Harvey's two-piece, thermally broken structural aluminum mullion includes a vinyl cover system that works on both the interior and exterior of the mullion.

FEATURES

Aluminum Receptor

- Certified DP50 rating
- Compatible with Harvey vinyl products with a 3 1/4" jamb depth
- Available in White, Almond, Black, and Dark Bronze to match Harvey windows

Structural Mullion

- DP50-120mph rated
- Vinyl cap color matched to prime window

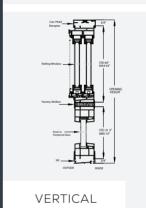
VINYL ACCU-FIT ENCLOSURE SYSTEM



INSTALLATION OPTIONS

Kneewall glazed with 7/8" tempered glass or 7/8" insulating foam panel

Maximum opening width 75"; Maximum height 100"





Kneewall with picture window

The Accu-Fit System is a 3-season non-load bearing 3-1/4" wall system that utilizes the combination of Harvey's two-piece thermally broken aluminum receptor system to create structural openings, and Harvey replacement windows to create a unique indoor/outdoor living space. Accu-Fit provides maximum flexibility and ease of installation.*

Rolling, Double Hungs, Picture or Casement replacement style windows can be used in this system. Combine with Harvey Vinyl Patio Doors or Therma-Tru® Smooth-Star® doors (standard installation required) to allow outside access.

Helpful Tip:

To order, please provide your local rep with Rough Opening measurements to the nearest 1/4" for accurate material allocation.

FEATURES

Receptor system is provided in lineal form to be cut and fitted in the field to fit any custom opening

Receptor is available in White, Almond, Black and Dark Bronze to match Harvey vinyl window paint options

Knee wall may be a solid panel or a picture window glazed with tempered glass

^{*}All openings must be plumb, level and square.

PTAC WINDOW UNITS



INSTALLATION OPTIONS

Units can be weeped internally or externally

Louvers can be blanked out on the back to match with those that have PTAC units, maintaining consistency



Harvey PTAC window units create a unified, watertight design while simplifying your window and HVAC installations. This PTAC solution is all about savings; not only will you save on rough out material and labor costs, you'll save on installation labor as well.

Harvey PTAC-ready window solutions consist of a fully welded vinyl frame that is custom built around a PTAC louver and then factory mulled to your desired window(s). The louver is custom designed to match the sleeve of your PTAC, resulting in lowered HVAC cost.

The unit delivered to your job site is completely integrated, and is installed into a single rough opening—reducing steps and providing a clean aesthetic on the exterior. Installation is a breeze, with no need for separate rough openings.

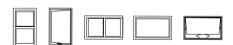
Available in white or almond vinyl as well as our full range of painted color options.

FEATURES

Extruded aluminum louver; 6063-T5

Kynar industrial grade paint finish available in custom colors to match Harvey windows, or choose black or dark bronze stock colors for a shorter lead time

Can be mulled to all operating styles



COMMON JAMB

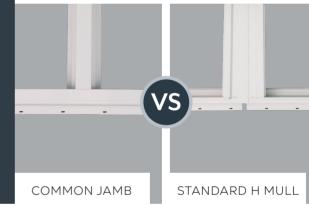


INSTALLATION OPTIONS

Up to 4-wide configurations

Available in both J and L fin for new construction and also comes in replacement style

Anchor straps included



When it comes to installing 2-or-3-wide windows, traditional products for mulling typically involve using an H mullion that requires sealant or caulking to create a weatherseal. These mullions have a weaker bond and deflect easily, while also creating additional, unwanted areas for air and water to infiltrate.

Harvey offers a superior, common jamb solution that makes installation of multiple units as easy as one, engineered with a one-piece header, one-piece sill, and a single vertical mullion to receive the sashes on either side. Since Harvey's common jamb is a single frame with an uninterrupted nail fin, it is stronger and more weather tight, allowing for faster installation and flashing.

FEATURES

Aluminum reinforcement of mullion standard for windows over 48" high

Uninterrupted nailing fin allows for faster installation and flashing

Along with stability, the vertical mullion is narrower than traditional mulls, allowing for more glass exposure, so there's less to get in the way of the view.

ADDITIONAL CAPABILITIES AND SOLUTIONS



SAFETY / ACCESSIBILITY OPTIONS

Always Active Limit Latches WOCD on Double Hung windows that limits the sash from being opened more than 4".

Locking Tilt Latch which includes a mechanism that locks/unlocks the tilt-in functionality, while still allowing windows to open and close.

Custodial (keyed) sash locks for institutional applications which can be factory applied and keyed alike, or the locks can be applied in the field after installation.

Vinyl Casement WOCD designed for a hinged sash that opens out and keeps the sash from being opened more than 4".

ADA style casement and awning hardware allow for one-handed operation of window mechanisms, reducing the need for tight grasping, pinching, or twisting of the wrist.

When you buy from Harvey, you buy products that perform. We meticulously QA test during production, and our products are put through rigorous testing by our engineers in our certified on-site lab to verify they meet stringent thermal and structural requirements.

What We Test For:

- Acoustic and Thermal Performance
- Design Pressure Testing (AAMA Standards)
- Air and Water Resistance
- Commercial project testing to ensure products meets specs

PLUS:

We can provide takeoff and estimating services for commercial and large jobs.

Ask your Rep. about how Harvey can help you do more.



PATIO DOORS

A patio door is an extension of a home, and should be an extension of a homeowner's style. Vinyl and Majesty Wood Patio doors are durable, low maintenance, and energy efficient rated to perform well year after year, providing a bit of functional charm to any space.



PATIO DOOR OPTIONS



BLINDS BETWEEN GLASS

Blinds Between Glass offer an easy and convenient way to enjoy the look and privacy of conventional blinds with none of the hassle, which makes them the perfect add-on for Harvey Vinyl Patio doors.

ENERGY STAR 6.0 glass included. Available for Harvey solid vinyl patio door only. 2-4 lite configurations have the option for fiberglass screen. Not available with grids.

OPTIONS

Painted finishes available (blinds remain White)

Non-keyed handle set and flushmount deadbolt included

610 heights available; Custom sizes available

CONFIGURATIONS

1 lite: 2668 and 3068

2 lite: 5068 and 6068 xo AND ox

3 lite: 9068 0x0 (left and right), and x00/00x

4 lite: 10068 and 12068 0xx0

BENEFITS INCLUDE:

PRIVACY

BBG are adjustable and can be raised, lowered and tilted

LIGHT CONTROL

Allowing the sun in, or not, helps control household temperature

CONVENIENCE

Minimal reaching and stooping to operate the blinds

SAFETY

Cords and blinds are encased providing safety for children and pets

DÉCOR

Clean, efficient look with no need for bulky window treatments

NO DUSTING

Conventional blinds attract dust and are difficult to clean; Blinds Between Glass solve both these problems!



SETUP/EXTERIOR CASING VINYL

Frame set-up only or fully set-up (frame & panels) available on any 2-wide door

Exterior Factory 908 or 3" flat profile available

- Includes frame set-up
- Not available on non set-up doors or patio doors with transoms

OTHER OPTIONS VINYL

Multi-point lock options utilize 4 locking "claws" that engage simply by turning the knob

Grids come in 5/8" and 1" sizes

OTHER OPTIONS MAJESTY

Grids come in 3/4" or 1" for GBG and 7/8" or 1-1/4" for SDL

Foot bolt (Gliding)

Bronze sill

OTHER OPTIONS VINYL & MAJESTY

Custom grid configuration available

Double-active doors require two screens

Seacoast Hardware option for corrosion resistance; available in white or almond color-matched powder coat finish handle and includes Stainless Steel:

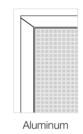
- Panel and screen rollers and roller track cover
- Fasteners, latch mechanism, offset keeper

MAJESTY & VINYL OPTIONS

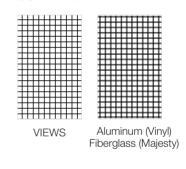
ENERGY STAR GLASS



SCREEN | FRAME



SCREEN | MESH

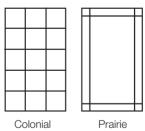


GRID | TYPE

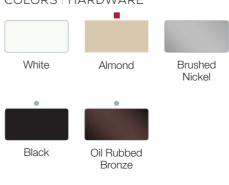




GRID | STYLE



COLORS | HARDWARE



See Page 12 for Interior/Exterior color options.

Ask about dual-tone hardware options.

PATIO DOOR VINYL



INSTALLATION OPTIONS

Standard 4-9/16" jamb depth; 6-9/16" extension jambs available

610 size available for 82" height, size 6668 meets 32" clear opening needs

2, 3, and 4-lite design options



Along with standard sizes, Harvey vinyl patio doors can be custom-built to fit virtually any opening, so you get the look you want with the performance you expect.

Solidly constructed and reinforced with heavy-duty aluminum for added durability, they include welded sash corners to provide maximum strength, while multi-chambered frame extrusions further increase their stability and thermal efficiency.

FEATURES

ENERGY STAR glass options available

2, 3, and 4 lite design options

Flushmount deadbolt standard on operating panels

Standard non-keyed hardware included, keylock option available

Blinds Between Glass option

PATIO DOOR & TRANSOM





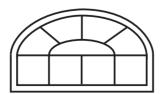
Harvey solid vinyl patio doors are available with factory-mulled transoms, on two-panel doors at 5', 6' and 8' widths.



Rectangle



Ellipse



Extended Segmental

FEATURES

ENERGY STAR glass options available

Flushmount deadbolt standard on operating panels

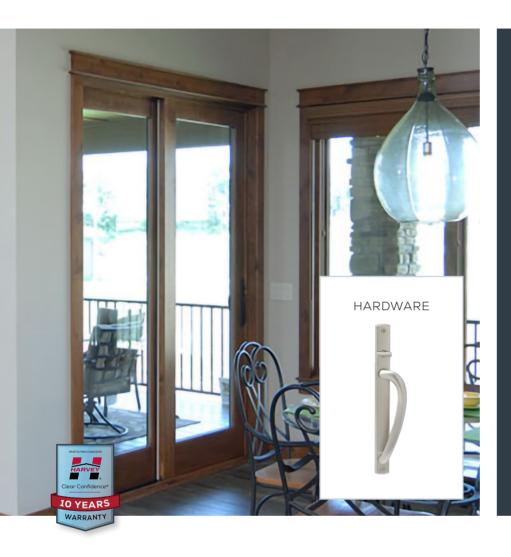
Standard non-keyed hardware included, keylock option available

Blinds Between Glass option

Rectangle, ellipse and extended segmental shapes available

Custom grid configuration available to match patio door

MAJESTY WOOD GLIDING



INSTALLATION OPTIONS

Standard 4-9/16" jamb depth; 6-9/16" extension jambs available

2, 3, and 4 lite design options

Replacement and new construction sizes available



Harvey Majesty wood gliding patio doors offer contemporary hardware options, and narrow door stiles save space while delivering a sleek, casual look.

Available in 2, 3 and 4-Lite design options, they glide effortlessly along a continuous fiberglass sill. The heavy-duty weatherstripping ensures the patio door will open without a hitch, regardless of the season.

Sturdy and well crafted, Majesty wood gliding patio doors have two tandem, heavy-duty, end-adjustable rollers for fluid and smooth operation for years to come, and they pair beautifully with Majesty windows.

FEATURES

Energy efficient glazing options available

Solid pine interior with aluminum clad exterior

Extruded aluminum screen frame with fiberglass wire included

One-piece gray fiberglass sill

Integral rigid aluminum nail fin

Frame comes set-up

MAJESTY WOOD HINGED



INSTALLATION OPTIONS

Standard 4-9/16" jamb depth; 6-9/16" factory applied extension jambs available

2, 3, and 4-Full lite, in-swing and outswing design options

Replacement and new construction sizes available



Majesty Hinged Patio Doors' classic hardware and French panel design offer accessible entryways that swing in, inviting in the outdoors, or swing out, extending the space into the outdoors.

Hinged patio doors offer a traditional, elegant style and are available in 1, 2, 3 or 4-Lite panel design options. The integral frame drip edge enhances water protection and a dual seal frame weatherstripping optimizes air and thermal performance.

The contemporary handleset and adjustable hinge system protect against high-traffic wear and tear. The elegant panels have a sturdy 8" bottom rail for added durability.

FEATURES

Energy efficient glazing options available

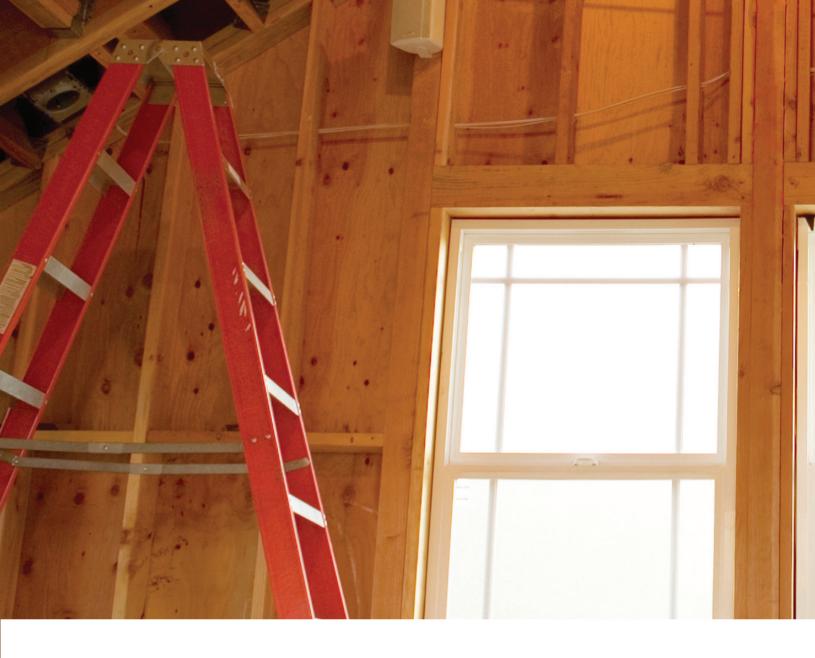
Solid pine interior with aluminum clad exterior

Extruded aluminum screen frame with fiberglass wire available

Gray wept sill system

Factory-applied rigid aluminum nail fin

Frame comes set-up



SPECS + REFRENCES

This is your easy reference guide for Harvey Majesty wood windows, vinyl windows, and patio doors. In this section you will find measuring information, clear opening specs and unit size limitations.



VINYL UNIT LIMITATIONS

			MIN	MAX	MAX UI
		Tribute - Triple-pane	16-1/4" (w) x 26" (h)	41-3/4" (w) x 84" (h)	116"
DOUBLE HUNG		Tribute - Dual-pane	16-1/4" (w) x 26" (h)	48" (w) x 84" (h)	132"
AND SINGLE UNITS		Classic	16-1/4" (w) x 24" (h)	48" (w) x 84" (h)	132"
		Slimline (DH & SH)	16-1/4" (w) x 26-1/4" (h)	54" (w) x 77" (h)	123"
		1-Lite Venting	16" (w) x 18" (h)	36" (w) x 80" (h)	116"
CASEMENT		2-Lite Venting	31-1/4" (w) x 18" (h)	71-1/4" (w) x 80" (h)	151"
		3-Lite Venting (EQUAL LITE ONLY)	46-1/2" (w) x 18" (h)	106-1/2" (w) x 80" (h)	180"
		4-Lite Venting	61-3/4" (w) x 18" (h)	141-3/4" (w) x 80" (h)	180"
		1-Lite Venting	20" (w) x 16" (h)	64" (w) x 58" (h)	106"
		2-Lite Venting	39-1/4" (w) x 24" (h)	48" (w) x 110" (h)	162"
	<u> </u>	3-Lite Venting	58-1/2" (w) x 16" (н)	141-3/4" (w) x 42" (н)	180"
AWNING		AF1/AV1 Fixed Over Venting	20" (w) x 31-1/4" (h)	60" (w) x 121-1/4" (h)	180"
		2-Lite Venting Vertical	20" (w) x 31-1/4" (h)	60" (w) x 83-1/4" (h)	142"
		3-Lite Venting Vertical	20" (w) x 46-1/2" (h)	60" (w) x 124-1/2" (h)	180"
		2-Lite	26" (w) x 16-1/4" (h)	86-1/4 (w) x 62-1/2" (h)	140"
ROLLING WINDOW		3-Lite	37" (w) x 16-1/4" (h)	119-3/4" (w) x 62-1/2" (h)	180"
PICTURE WINDOW			12" (w) x 16" (h) or 16" (w) x 12" (h)	79-3/4" (w) x 79-3/4" (h)	144"
HOPPER			12" (w) x 16" (h) or 16" (w) x 12" (h)	42" (w) x 41-3/4" (h)	76"
PICTURE WINDOW		30°	50-3/4"	135-3/4"	-
CENTER BAY		45°	46-1/2"	128"	-
DOUBLE HUNG		30°	50-3/4"	103"	-
CENTER BAY		45°	46-1/2"	96"	-
VIN DOUBLE HUNG		30°	66"	144"	-
BAY		45°	61-3/4"	144"	-
		30°	52-3/4"	135-3/4"	-
THREE LITE BAY		45°	48-1/2"	128"	
THREE LITE BOW		10°	52-3/4"	110"	-
		30°	68"	127"	-
FOUR LITE BAY		45°	63-3/4"	119-1/4"	
FOUR LITE BOW		10°	68-3/4"	143"	-
		30°	83-1/4"	143"	-
FIVE LITE BAY		45°	79"	143"	
FIVE LITE BOW		10°	84-1/2"	143"	-
SIX LITE BOW		10°	99"	143"	-
GARDEN WINDOW			24" (w) x 30" (h)	72" (w) x 48" (h)	-
DEADLITE			12" (w) x 18" (h) or 18" (w) x 12" (h)	80-1/4" (w) x 80-1/4" (h)	120"

MAJESTY UNIT LIMITATIONS

			MIN	MAX	MAX UI
DOUBLE HUNG			16-1/2" (w) x 29-3/4" (h)	48"(w) x 84" (h)	126"
		1-Lite Venting	16" (w) x 16" (h)	32" (w) x 72" (h)	104-1/2"
		2-Lite Venting	32" (w) x 16" (h)	64" (w) x 72" (h)	124"
CASEMENT		3-Lite Venting (EQUAL LITE ONLY)	48" (w) x 16" (h)	96" (w) x 72" (h)	155"
		4-Lite Venting	64" (w) x 16" (h)	106" (w) x 72" (h)	172"
		Single Vent	19" (w) x 16-1/4" (h)	48" (w) x 38" (h)	80"/unit
AWNING		Fixed Over Venting	19" (w) x 24" (h)	48" (w) x 110" (h)	158"/unit
		2-Lite	27-3/16" (w) x 22-3/4" (h)	71-3/16" (w) x 60-3/4" (h)	131"
GLIDING WINDOW		3-Lite	36-11/16" (w) x 22-3/4" (h)	104-11/16" (w) x 60-3/4" (h)	164"
		MATCHES DOUBLE HUNG FRAME	16" (w) x 23-1/2" (h)	78" (w) x 78" (h)	139"
PICTURE WINDOW	PICTURE WINDOW	MATCHES CASEMENT FRAME	12" (w) x 12" (h)	60" (w) x 72" (h)	132"
			ONLY ONE DIMENSION (W OR	H) CAN EXCEED 65"	
PICTURE WINDOW		30°	52-3/4"	133-1/2"	-
CENTER BAY		45°	49"	126-1/2"	-
DOUBLE HUNG		30°	52-3/4"	103-1/2"	-
CENTER BAY		45°	49"	96-1/2"	-
TWIN DOUBLE		30°	68-3/4"	144"	-
HUNG BAY		45°	65"	144"	-
		30°	52-3/4"	120"	-
THREE LITE BAY		45°	49"	120"	-
THREE LITE BOW		10°	59-1/2"	99-1/2"	-
		30°	69"	119-1/2"	-
FOUR LITE BAY		45°	65-1/4"	112-1/2"	-
FOUR LITE BOW		10°	68-1/4"	130-3/4"	-
ENE LITE DAY		30°	84-3/4"	143"	-
FIVE LITE BAY		45°	81"	143"	
FIVE LITE BOW	<u> </u>	10°	83-1/2"	143"	-

CUSTOM BAY/BOW, VINYL SHAPES LIMITATIONS

30° & 45° CUSTOM BAY WINDOWS SIZING INFORMATION

Using standard width flankers and a custom-sized center unit, they are available using either casement or Classic double hung windows.

	Angle	Flanker Width	Flanker Allowance	Projection
Exterior Mullion		1'5"	36-3/4"	9-3/8"
	30°	1'9"	43-5/8"	11-3/8"
Side Jamb Receiver	30	2'0"	48-7/8"	12-7/8"
		2'4"	55-3/4"	14-7/8"
Interior Mullion	45°	1'5"	32-1/2"	13-5/8"
		1'9"	38-1/4"	16-7/16"
		2'0"	42-3/8"	18-9/16"
		2'4"	48-1/8"	21-3/8"

MEASURING

In most cases it will be necessary to remove the interior casing to obtain an accurate measurement. Opening size for custom-sized bay and bow windows should be a rough stud to rough stud dimension. Finished unit will allow approximately 1" on the width and approximately 1/2" on the height for clearance.

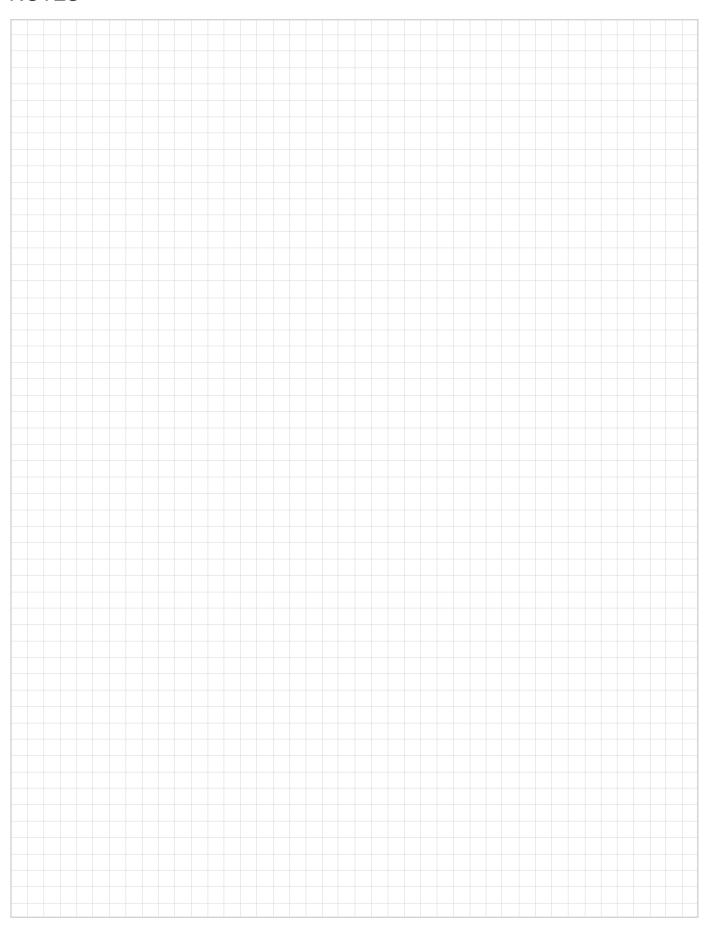
VINYL SHAPES

SHAPE		MIN	MAX
HALF ROUND		23-1/2" (w) x 11-3/4" (h)	76" (w) × 38" (h)
QUARTER ROUND		14" (w) x 14" (h)	75-3/8" (w) x 75-3/8" (h)
SEGMENTAL		39-3/8" (w) x 14" (h)	120" (w) x 120" (h)
ELLIPTICAL		39-1/8" (w) x 14-5/8" (h)	120" (w) x 36" (h)
EXT. HALF ROUND		23-1/2" (w) x 12" (h)	76" (w) x112-1/4" (h)
EXT. QUARTER ROUND		14-1/4" (w) x 12" (h)	76" (w) x 120" (h)
EXT. SEGMENTAL		23-1/2" (w) x 12" (h)	112"(w) x 120-1/2" (h)
GEOMETRIC SHAPES		CALL FOR DETAILS	
ROUND		23-1/2" (w) x 23-1/2" (h)	75-3/8" (w) x 75-3/8" (h)
OVAL		25" (w) x 40" (h) 30" (w) x 48" (h) 38" (w) x 60" (h)	

VINYL PATIO DOORS

SHAPE	MIN	MAX
2-Panel	48" (w) x 60" (h)	96" (w) x 96" (h)
3-Panel	90" (w) x 60" (h)	144" (w) x 92" (h) 106 5/8" (w) x 95.5" (h)
4-Panel	115" (w) x 60" (h)	192" (w) x 92" (h) 139 3/4" (w) x 95.5" (h)

NOTES



STANDARD NEW CONSTRUCTION (w)

	Double Hung		2-Wide Do	uble Hung w/Cor	nmon Jamb	3-Wide Equal	Double Hung w/	Common J
Default Grid Pattern	Rough Opening	Code	Default Grid Pattern	Rough Opening	Code	Default Grid Pattern	Rough Opening	Code
	1' 10" (w)			3' 5-3/4" (w)			5' 2-3/4" (w)	-
	3' 1-1/2" (h)	W18210]	3' 1-1/2" (h)	W18210-2		3' 1-1/2" (h)	W18210-
		W1832		3' 5-1/2" (h)	W1832-2		3' 5-1/2" (h)	W1832-3
		W18310	-	4' 1-1/2" (h)	W18310-2 W1842-2		4' 1-1/2" (h)	W18310- W1842-3
		W1842 W1846	-	4' 5-1/2" (h) 4' 9-1/2" (h)	W1846-2		4' 5-1/2" (h) 4' 9-1/2" (h)	W1846-3
		W18410		5' 1-1/2" (h)	W18410-2		5' 1-1/2" (h)	W18410-
	5' 5-1/2" (h)	W1852	1	5' 5-1/2" (h)	W1852-2		5' 5-1/2" (h)	W1852-3
	5' 9-1/2" (h)	W1856		5' 9-1/2" (h)	W1856-2		5' 9-1/2" (h)	W1856-3
	2' 2" (w)			4' 2-1/4" (w)			6' 2-3/4" (w)	
		W20210		3' 1-1/2" (h)	W20210-2		3' 1-1/2" (h)	W20210-
		W2032		3' 5-1/2" (h)	W2032-2		3' 5-1/2" (h)	W2032-3
		W20310 W2042		4' 1-1/2" (h) 4' 5-1/2" (h)	W20310-2 W2042-2		4' 1-1/2" (h) 4' 5-1/2" (h)	W20310- W2042-3
	- ' ()	W2042 W2046	1	4 5-1/2 (h) 4 9-1/2 (h)	W2042-2 W2046-2		4' 9-1/2" (h)	W2042-3 W2046-3
		W20410	- [[]]	5' 1-1/2" (h)	W20410-2		5' 1-1/2" (h)	W20410-
	5' 5-1/2" (h)	W2052]	5' 5-1/2" (h)	W2052-2		5' 5-1/2" (h)	W2052-3
		W2056		5' 9-1/2" (h)	W2056-2		5' 9-1/2" (h)	W2056-3
	2' 6" (w)]	4' 10-1/4" (w)			7' 2-3/4" (w)	,
		W24210	1	3' 1-1/2" (h)	W24210-2		3' 1-1/2" (h)	W24210-
		W2432 W24310		3' 5-1/2" (h) 4' 1-1/2" (h)	W2432-2 W24310-2		3' 5-1/2" (h) 4' 1-1/2" (h)	W2432-3 W24310-
		W2442		4' 5-1/2" (h)	W2442-2		4' 5-1/2" (h)	W2442-3
		W2446	† - <u> - - </u>	4' 9-1/2" (h)	W2446-2		4' 9-1/2" (h)	W2446-3
	5' 1-1/2" (h)	W24410		5' 1-1/2" (h)	W24410-2		5' 1-1/2" (h)	W24410-
		W2452]	5' 5-1/2" (h)	W2452-2		5' 5-1/2" (h)	W2452-3
		W2456	-	5' 9-1/2" (h)	W2456-2		5' 9-1/2" (h)	W2456-3
	2' 10" (w)	14/00010	-	5' 6-1/4" (w)	14/00040		8' 2-3/4" (w)	14/00040
		W28210 W2832	-	3' 1-1/2" (h) 3' 5-1/2" (h)	W28210-2 W2832-2		3' 1-1/2" (h) 3' 5-1/2" (h)	W28210- W2832-3
		W28310		4' 1-1/2" (h)	W28310-2		4' 1-1/2" (h)	W28310-
	4' 5-1/2" (h)	W2842		4' 5-1/2" (h)	W2842-2		4' 5-1/2" (h)	W2842-3
	4' 9-1/2" (h)	W2846		4' 9-1/2" (h)	W2846-2		4' 9-1/2" (h)	W2846-3
		W28410		5' 1-1/2" (h)	W28410-2		5' 1-1/2" (h)	W28410-
		W2852 W2856	-	5' 5-1/2" (h) 5' 9-1/2" (h)	W2852-2 W2856-2		5' 5-1/2" (h) 5' 9-1/2" (h)	W2852-3 W2856-3
	2' 11-1/2" (w)	2000	1	5' 9-1/2 (II)	**E000 E		8' 7-1/4" (w)	_
		W29210	1	3' 1-1/2" (h)	W29210-2		3' 1-1/2" (h)	W29210-
		W2932		3' 5-1/2" (h)	W2932-2		3' 5-1/2" (h)	W2932-3
	4' 1-1/2" (h)	W29310	<u></u>	4' 1-1/2" (h)	W29310-2		4' 1-1/2" (h)	W29310-
		W2942		4' 5-1/2" (h)	W2942-2		4' 5-1/2" (h)	W2942-3
	- ' ()	W2946 W29410		4' 9-1/2" (h) 5' 1-1/2" (h)	W2946-2 W29410-2		4' 9-1/2" (h) 5' 1-1/2" (h)	W2946-3 W29410-
السنط		W2952	1	5' 5-1/2" (h)	W2952-2		5' 5-1/2" (h)	W2952-3
		W2956] [5' 9-1/2" (h)	W2956-2		5' 9-1/2" (h)	W2956-3
	3' 2" (w)			6' 2-1/4" (w)			9' 2-3/4" (w)	
		W30210]	3' 1-1/2" (h)	W30210-2		3' 1-1/2" (h)	W30210-
		W3032		3' 5-1/2" (h)	W3032-2		3' 5-1/2" (h)	W3032-3
		W30310		4' 1-1/2" (h)	W30310-2 W3042-2		4' 1-1/2" (h)	W30310- W3042-3
		W3042 W3046		4' 5-1/2" (h) 4' 9-1/2" (h)	W3042-2 W3046-2		4' 5-1/2" (h) 4' 9-1/2" (h)	W3042-3
		W30410		5' 1-1/2" (h)	W30410-2		5' 1-1/2" (h)	W30410-
<u></u>	5' 5-1/2" (h)	W3052]	5' 5-1/2" (h)	W3052-2		5' 5-1/2" (h)	W3052-3
	5' 9-1/2" (h)	W3056		5' 9-1/2" (h)	W3056-2		5' 9-1/2" (h)	W3056-3

This guide contains two call size types for double-hung windows, since different markets use different call sizes. (W) indicates the size matches wood manufactured sizes and (V) indicates the size matches vinyl manufactured sizes. You can mix sizes in an order.

3-Wide w/ Picture Window & Common Jamb

Default Grid Pattern	Rough Opening	Code
	7' 6-3/4" (w)	
	4' 1" (h)	W18-40310-18
	4' 5" (h)	W18-4042-18
	4' 9" (h)	W18-4046-18
	5' 5" (h)	W18-4052-18
	5' 9" (h)	W18-4056-18
	8' 2-3/4" (w)	
	4' 1" (h)	W20-40310-20
	4' 5" (h)	W20-4042-20
	4' 9" (h)	W20-4046-20
	5' 5" (h)	W20-4052-20
	5' 9" (h)	W20-4056-20
	8' 6-3/4" (w)	
	4' 1" (h)	W18-50310-18
	4' 5" (h)	W18-5042-18
	4' 9" (h)	W18-5046-18
	5' 5" (h)	W18-5052-18
	5' 9" (h)	W18-5056-18
	9' 2-3/4" (w)	
	4' 1" (h)	W20-50310-20
	4' 5" (h)	W20-5042-20
	4' 9" (h)	W20-5046-20
	5' 5" (h)	W20-5052-20
	5' 9" (h)	W20-5056-20

RO to UNIT DIMENSIONS				
Minus 3/4" from width	Minus 1/2" from height			

Casement

Default Grid	Rough	Code
Pattern	Opening	
	1' 9-1/2" (w)	
	3' 0" (h)	193
	3' 6" (h)	1936
	4' 0" (h)	194
	4' 6" (h)	1946
	5' 0" (h)	195
	6' 0" (h)	196
	2' 0-1/2" (w)	
	3' 0" (h)	203
	3' 6" (h)	2036
	4' 0" (h)	204 2046
	4' 6" (h) 5' 0" (h)	2046
	6' 0" (h)	206
	2' 5" (w)	200
	3' 0" (h)	243
	3' 6" (h)	2436
	4' 0" (h)	244
	4' 6" (h)	2446
	5' 0" (h)	245
	6' 0" (h)	246
	2' 8" (w)	
	3' 0" (h)	283
	3' 6" (h) 4' 0" (h)	2836 284
	4 0 (n) 4' 6" (h)	2846
	5' 0" (h)	285
لسنسا	6' 0" (h)	286
	2' 9-3/4" (w)	
	3' 0" (h)	303-2
	3' 6" (h)	3036-2
L R	4' 0" (h)	304-2
	4' 6" (h)	3046-2
	5' 0" (h)	305-2
	6' 0" (h) 3' 5-3/4" (w)	306-2
	3' 0" (h)	363-2
	3' 6" (h)	3636-2
L R	4' 0" (h)	364-2
	4' 6" (h)	3646-2
	5' 0" (h)	365-2
	6' 0" (h)	366-2
	3' 11-3/4" (w)	
	3' 0" (h)	403-2
	3' 6" (h)	4036-2
L R	4' 0" (h)	404-2
	4' 6" (h) 5' 0" (h)	4046-2 405-2
	6' 0" (h)	405-2
	4' 8-3/4" (w)	
	3' 0" (h)	483-2
	3' 6" (h)	4836-2
(L) R	4' 0" (h)	484-2
	4' 6" (h)	4846-2
	5' 0" (h)	485-2
	6' 0" (h)	486-2
	5' 11-1/4" (w)	0000
	3' 0" (h)	603-3
	1 3, P., ID)	I PULXP-1X

3' 6" (h)

4' 0" (h) 4' 6" (h) 5' 0" (h)

6' 0" (h)

6036-3

604-3 6046-3 605-3

606-3

RO to UNIT DIMENSIONS

Minus 1/2" from width*

Minus 1/2" from height

*Minus 3/4" from width for 3

Sizes shaded in grey have a 5.70 sq. ft. clear opening or better. Check with your local building department for egress requirements.

STANDARD NEW CONSTRUCTION (v)

	Double Hung	2-Wide Double H	Hung w/Com	mon Jamb	3-Wide Doub	le Hung w/Cor	nmon Jamb
Default Grid Pattern	Rough Code Opening	Default Grid Pattern	Rough Opening	Code	Default Grid Pattern	Rough Opening	Code
	2' 0" (w)	3'	' 10-1/4" (w)			5' 8-1/2" (w)	
	3' 0" (h) 2030V		' 0" (h)	2030-2V		3' 0" (h)	2030-3V
	3' 6" (h) 2036V	3'	' 6" (h)	2036-2V		3' 6" (h)	2036-3V
	4' 0" (h) 2040V		' 0" (h)	2040-2V		4' 0" (h)	2040-3V
	4' 6" (h) 2046V		6" (h)	2046-2V		4' 6" (h)	2046-3V
	5' 0" (h) 2050V	5'	0" (h)	2050-2V		5' 0" (h)	2050-3V
	5' 2" (h) 2052V 5' 6" (h) 2056V	5	' 2" (h) ' 6" (h)	2052-2V 2056-2V		5' 2" (h) 5' 6" (h)	2052-3V 2056-3V
	5' 6" (h) 2056V 6' 0" (h) 2060V		0 (f)	2060-2V		6' 0" (h)	2060-3V
	2' 4" (w)		6-1/4" (w)	2000-2V		6' 8-1/2" (w)	2000-3V
	3' 0" (h) 2430V		' 0" (h)	2430-2V		3' 0" (h)	2430-3V
	3' 6" (h) 2436V	3'	' 6" (h)	2436-2V		3' 6" (h)	2436-3V
	4' 0" (h) 2440V	4'	' 0" (h)	2440-2V		4' 0" (h)	2440-3V
	4' 6" (h) 2446V	4'	' 6" (h)	2446-2V		4' 6" (h)	2446-3V
	5' 0" (h) 2450V	5'	' 0" (h)	2450-2V		5' 0" (h)	2450-3V
	5' 2" (h) 2452V		2" (h)	2452-2V		5' 2" (h)	2452-3V
	5' 6" (h) 2456V	5'	' 6" (h)	2456-2V		5' 6" (h)	2456-3V
	6' 0" (h) 2460V		0" (h)	2460-2V		6' 0" (h)	2460-3V
	2' 6" (w) 3' 0" (h) 2630V		10-1/4" (w) 0" (h)	2630-2V		7' 2-1/2" (w) 3' 0" (h)	2630-3V
	3' 6" (h) 2636V		6" (h)	2636-2V		3' 6" (h)	2636-3V
	4' 0" (h) 2640V		' 0" (h)	2640-2V		4' 0" (h)	2640-3V
	4' 6" (h) 2646V		' 6" (h)	2646-2V		4' 6" (h)	2646-3V
	5' 0" (h) 2650V	5'	' 0" (h)	2650-2V		5' 0" (h)	2650-3V
	5' 2" (h) 2652V	5'	' 2" (h)	2652-2V		5' 2" (h)	2652-3V
	5' 4" (h) 2654V		' 4" (h)	2654-2V		5' 4" (h)	2654-3V
" <u>-</u>	5' 6" (h) 2656V	5'	6" (h)	2656-2V		5' 6" (h)	2656-3V
	6' 0" (h) 2660V	6'	0" (h)	2660-2V		6' 0" (h)	2660-3V
	2' 8" (w) 3' 0" (h) 2830V	5	2-1/4" (w)	2830-2V		7' 8-1/2" (w) 3' 0" (h)	2830-3V
	3' 2" (h) 2832V		' 2" (h)	2832-2V		3' 2" (h)	2832-3V
	3' 6" (h) 2836V		6" (h)	2836-2V		3' 6" (h)	2836-3V
	4' 0" (h) 2840V	4'	' 0" (h)	2840-2V		4' 0" (h)	2840-3V
	4' 6" (h) 2846V		' 6" (h)	2846-2V		4' 6" (h)	2846-3V
	5' 0" (h) 2850V		' 0" (h)	2850-2V		5' 0" (h)	2850-3V
	5' 2" (h) 2852V		' 2" (h)	2852-2V		5' 2" (h)	2852-3V
	5' 4" (h) 2854V	5'	4" (h)	2854-2V		5' 4" (h)	2854-3V
	5' 6" (h) 2856V	5	6" (h)	2856-2V		5' 6" (h)	2856-3V
	6' 0" (h) 2860V 3' 0" (w)		0" (h) 10-1/4" (w)	2860-2V		6' 0" (h) 8' 8-1/2" (w)	2860-3V
	3' 0" (h) 3030V		' 0" (h)	3030-2V		3' 0" (h)	3030-3V
	3' 2" (h) 3032V		' 2" (h)	3032-2V		3' 2" (h)	3032-3V
	3' 6" (h) 3036V	3'	' 6" (h)	3036-2V		3' 6" (h)	3036-3V
	4' 0" (h) 3040V	4'	' 0" (h)	3040-2V		4' 0" (h)	3040-3V
	4' 6" (h) 3046V		6" (h)	3046-2V		4' 6" (h)	3046-3V
	5' 0" (h) 3050V		0" (h)	3050-2V		5' 0" (h)	3050-3V
	5' 2" (h) 3052V		' 2" (h)	3052-2V		5' 2" (h)	3052-3V
	5' 4" (h) 3054V 5' 6" (h) 3056V		' 4" (h) ' 6" (h)	3054-2V 3056-2V		5' 4" (h) 5' 6" (h)	3054-3V 3056-3V
	6' 0" (h) 3060V		' 0" (h)	3060-2V		6' 0" (h)	3060-3V
	3' 2" (w)		2-1/4" (w)	0000 ZV		9' 2-1/2" (w)	J 3000 0V
	3' 0" (h) 3230V		' 0" (h)	3230-2V		3' 0" (h)	3230-3V
	3' 6" (h) 3236V	3'	' 6" (h)	3236-2V		3' 6" (h)	3236-3V
	4' 0" (h) 3240V	4'	' 0" (h)	3240-2V		4' 0" (h)	3240-3V
	4' 6" (h) 3246V		' 6" (h)	3246-2V		4' 6" (h)	3246-3V
	5' 0" (h) 3250V		0" (h)	3250-2V		5' 0" (h)	3250-3V
	5' 2" (h) 3252V	5'	' 2" (h)	3252-2V		5' 2" (h)	3252-3V
	5' 6" (h) 3256V 6' 0" (h) 3260V		' 6" (h) ' 0" (h)	3256-2V 3260-2V		5' 6" (h) 6' 0" (h)	3256-3V 3260-3V
	J J J J J J J J J J J J J J J J J J J	0	J (11)	0200-2V		0 0 (II)	0200-01
	1	DO to UN	UIT DIMENSIO	NIC		1	
			NIT DIMENSIC				
		Minus 1/2" from widt	:h Minus	1/2" from height			

This guide contains two call size types for double-hung windows, since different markets use different call sizes. (W) indicates the size matches wood manufactured sizes and (V) indicates the size matches vinyl manufactured sizes. You can mix sizes in an order. Sizes shaded in grey have a 5.70 sq. ft. clear opening or better. Check with your local building department for egress requirements.

3-Wide w/ Picture Window & Common Jamb

	1		
Default Grid Pattern	Rough Opening	Code	
	7' 8-1/2" (w)		
	3' 0" (h)	20-4030-20V	
	4' 0" (h)	20-4040-20V	
	5' 0" (h)	20-4050-20V	
	5' 2" (h)	20-4052-20V	
	8' 4-1/2" (w)		
	3' 0" (h)	24-4030-24V	
	4' 0" (h)	24-4040-24V	
	5' 0" (h)	24-4050-24V	
	5' 2" (h)	24-4052-24V	
	8' 8-1/2" (w)		
	3' 0" (h)	20-5030-20V	
	4' 0" (h)	20-5040-20V	
│ ╟┼╢┼┼┼┼╟┼	5' 0" (h)	20-5050-20V	
	5' 2" (h)	20-5052-20V	
	9' 4-1/2" (w)		
	3' 0" (h)	24-5030-24V	
	4' 0" (h)	24-5040-24V	
	5' 0" (h)	24-5050-24V	
	5' 2" (h)	24-5052-24V	

RO to UNIT DIMENSIONS Minus 1/2" from width | Minus 1/2" from height

Casement

1' 9-1/2" (w) 3' 0" (h) 193 3' 6" (h) 1936 4' 0" (h) 1944 4' 6" (h) 1946 5' 0" (h) 195 6' 0" (h) 196 2' 0-1/2" (w) 3' 0" (h) 203 3' 6" (h) 204 4' 6" (h) 204 4' 6" (h) 204 4' 6" (h) 205 6' 0" (h) 205 6' 0" (h) 205 6' 0" (h) 243 3' 6" (h) 2446 5' 0" (h) 283 3' 6" (h) 2836 4' 0" (h) 2846 5' 0" (h) 3036-2 4' 0" (h) 3036-2 4' 0" (h) 3046-2 5' 0" (h) 305-2 6' 0" (h) 305-2 6' 0" (h) 366-2 3' 15' 3/4" (w) 3' 0" (h) 3636-2 4' 0" (h) 366-2 3' 11' 3/4" (w) 3' 0" (h) 366-2 3' 11' 3/4" (w) 3' 0" (h) 403-2 4' 6" (h) 4046-2 5' 0" (h) 405-2 6' 0" (h) 405-2 6' 0" (h) 405-2 6' 0" (h) 405-2 6' 0" (h) 4836-2 4' 0" (h) 4836-2 4' 0" (h) 4836-2 5' 0" (h) 6036-3 5' 0" (h) 6036-3 5' 0" (h) 605-3 5' 0" (h) 605-3	Default Grid Pattern	Rough Opening	Code
3' 0" (h) 1936 4' 0" (h) 1946 4' 6" (h) 1946 5' 0" (h) 1956 6' 0" (h) 195 6' 0" (h) 203 3' 6" (h) 203 3' 6" (h) 204 4' 6" (h) 204 4' 6" (h) 205 6' 0" (h) 205 6' 0" (h) 205 6' 0" (h) 2446 5' 0" (h) 283 3' 6" (h) 283 3' 6" (h) 2846 5' 0" (h) 2846 5' 0" (h) 285 6' 0" (h) 285 6' 0" (h) 3036-2 4' 0" (h) 3036-2 4' 0" (h) 3046-2 5' 0" (h) 3046-2 5' 0" (h) 3046-2 5' 0" (h) 3046-2 5' 0" (h) 366-2 3' 11-3/4" (w) 3' 0" (h) 366-2 4' 0" (h) 366-2 6' 0" (h) 366-2 6' 0" (h) 366-2 7' 0' (h) 4036-2 7' 0' 0' 0' 0' 0' 0' 0' 0' 0' 0' 0' 0' 0'			
3' 6" (h) 1936 4' 0" (h) 194 4' 6" (h) 1946 5' 0" (h) 195 6' 0" (h) 196 2' 0-1/2" (w) 3' 0" (h) 203 3' 6" (h) 2046 5' 0" (h) 2046 5' 0" (h) 2046 5' 0" (h) 205 6' 0" (h) 205 6' 0" (h) 2436 4' 0" (h) 2436 4' 0" (h) 2446 5' 0" (h) 2446 5' 0" (h) 2446 5' 0" (h) 245 6' 0" (h) 245 6' 0" (h) 288 3' 6" (h) 288 4' 0" (h) 284 4' 6" (h) 2846 5' 0" (h) 285 6' 0" (h) 303-2 3' 6" (h) 303-2 3' 6" (h) 303-2 3' 6" (h) 304-2 4' 6" (h) 304-2 4' 6" (h) 304-2 4' 6" (h) 304-2 4' 6" (h) 364-2 5' 0" (h) 364-2 5' 0" (h) 364-2 4' 0" (h) 364-2 4' 0" (h) 364-2 4' 6" (h) 364-2 5' 0" (h) 364-2 4' 6" (h) 364-2 4' 6" (h) 364-2 4' 6" (h) 364-2 5' 0" (h) 364-2 4' 6" (h) 364-2 4' 6" (h) 364-2 4' 6" (h) 364-2 5' 0" (h) 364-2 4' 6" (h) 364-2 5' 0" (h) 364-2 4' 6" (h) 403-2 3' 6" (h) 403-2 3' 6" (h) 403-2 3' 6" (h) 403-2 4' 6" (h) 404-2 5' 0" (h) 488-2 6' 0" (h) 604-3			
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Sizes shaded in grey have a 5.70 sq. ft. clear opening or better. Check with your local building department for egress requirements.

	DIMENSIONS
Minus 1/2" from width	Minus 1/2" from height

VINYL STANDARD NEW CONSTRUCTION CALL SIZES

Ro	olling Vinyl Windo	ow	Vinyl Awning		Vinyl Shapes	
	Rough Opening	Code	Rough Opening	Code	Rough Opening	Code
	3' 6" (w) 3' 6" (h)	RW3636	2' 0-1/2" (w) 2' 0-1/2" (h)	AWN21	2' 10" (w) 1' 5-1/4" (h)	HRD28J
	4' 0" (w) 3' 6" (h)	RW4036	3' 0-1/2" (w) 2' 0-1/2" (h)	AWN31	2' 11-1/2" (w) 1' 5-3/4" (h)	HRD29J
			4' 0-1/2" (w) 2' 0-1/2" (h)	AWN41	3' 2" (w) 1' 7-1/4" (h)	HRD30J
					5' 5-3/4" (w) 2' 8-7/8" (h)	HRD28-2J
					5' 9-1/4" (w) 2' 10-7/8" (h)	HRD29-2
					3' 11-3/4" (w) 2' 0-1/8" (h)	HRC40
					5' 4-3/8" (w) 6' 3-1/2" (h)	EHR6475J
					6' 0-1/2" (w) 1' 5-3/4" (h)	ET6J

CLEAR OPENING SPECS MEASURING WINDOWS

MEASURING FOR REPLACEMENT WINDOWS

Verify the rough opening (RO) is sufficient size to fit the window. RO should measure 1/4" wider on width and 1/2" on the height (1/4" on both for Majesty) than the window it will receive

Measuring Width:

Measure between the jambs at three locations: bottom, center, and top (Diagram A). Use the smallest dimension if the three vary.

Measuring Height:

Measure from highest point of the sloped sill to the highest point of header pocket (Diagram B).

Measuring Frame Depth:

Harvey vinyl and majesty windows are designed to fit a frame depth of 3-1/4". Compensation for other than 3-1/4" will have to be made on the job.

Adjustability for Vinyl Windows: The "U" channel vinyl head expander allows windows to be expanded up to 5/8" in height.

NOTE: The above measurements are rough opening sizes. You must deduct 1/4" off the width and 1/2" off the height, and round down to the nearest 1/4", to get your buck size (buck size is the size the window will be).

Width and height buck dimensions can only be ordered in 1/4", 1/2", 3/4", and full 1" sizes.

MEASURING FOR NEW CONSTRUCTION WINDOWS

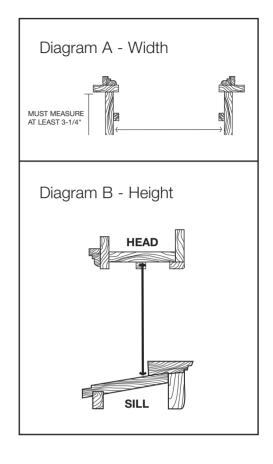
Verify the rough opening (RO) to be plumb, level, square. RO should measure 1/2" larger than width and height of the window it will receive.

· Jamb depth of vinyl new construction windows is 2-1/4".

CLEAR OPENING MEASURING INSTRUCTIONS

In most states you must meet a clear opening requirement and a square foot requirement of 5.7 square feet total minimum clear opening. Consult your local building department for code requirements in your area.

Unit		Clear Openi	ng Unit TTT
		Width	Height
Tribute Double Hung	welded frame & sash	W - 5"	H/2 - 4-3/8"
Classic Double Hung	welded frame & sash	W - 5"	H/2 - 5-1/8"
Slimline DH/SH	welded frame & sash	W - 5-1/4"	H/2 - 4-7/16"
Vinyl Casement Window	Standard Hinge	W - 11-1/2"	H - 5-3/4"
Vinyl Casement Window	Egress Hinge	W - 7-1/4"	H - 5-3/4"
Vinyl Rolling Window	2-lite	W/2 - 5-3/16"	H - 4-5/8"
Vinyl Rolling Window	3-lite (qtr-half-qtr)	W/4 - 2-7/16"	H - 4-5/8"
Vinyl Rolling Window	3-lite (equal lite)	W/3 - 5"	H - 4-5/8"
Clear opening w/sill riser in pla	ace	Width	Height
Tribute Double Hung	welded frame & sash	W - 5"	H/2 - 4-15/16"
Classic Double Hung	welded frame & sash	W - 5"	H/2 - 5-11/16"
Slimline DH/SH	welded frame & sash	W - 5-1/4"	H/2 - 5"
Majesty Double Hung		W - 3-7/8"	H/2 - 6-1/4"
Majesty Casement		W - 8-1/2"	H - 4-3/4"



Typical egress requirements include 20" width and 24" height clear opening minimum dimensions and 5.7 square feet of total minimum clear opening.

Example (using Classic double hung with welded frame & sash):

If Unit Buck Size = 36" x 64"

Clear opening Width: 36" - 5" = 31" (31") greater than 20"

Clear opening Height: 64"/2 = 32" - 5-1/4" = 26-3/4" greater than 24"

Square footage of opening: $31" \times 26-3/4" = 829"/144" = 5.75 \text{ sq.ft.}$ greater than 5.70 sq ft.

CLEAR OPENING SPECS STANDARD NC WINDOWS (w)

		Slimline DH/SH		Classic DH/SH		Tribute DH
Code		Clear Opening		Clear Opening		Clear Opening
	SQ. FT	(W X H) INCHES	SQ. FT	(W X H) INCHES	SQ. FT	(W X H) INCHES
W18210	1.60	16-1/4 x 14-1/16	1.50	16-1/2 x 13-1/4	1.60	16-1/2 x 14-1/8
W1832	1.80	16-1/4 x 16-1/16	1.70	16-1/2 x 15-1/4	1.80	16-1/2 x 16-1/8
W18310	2.30	16-1/4 x 20-1/16	2.20	16-1/2 x 19-1/4	2.30	16-1/2 x 20-1/8
W1842	2.50	16-1/4 x 22-1/16	2.40	16-1/2 x 21-1/4	2.50	16-1/2 x 22-1/8
W1846	2.70	16-1/4 x 24-1/16	2.70	16-1/2 x 23-1/4	2.80	16-1/2 x 24-1/8
W18410	2.90	16-1/4 x 26-1/16	2.90	16-1/2 x 25-1/4	3.00	16-1/2 x 26-1/8
W1852	3.20	16-1/4 x 28-1/16	3.10	16-1/2 x 27-1/4	3.20	16-1/2 x 28-1/8
W1856	3.40	16-1/4 x 30-1/16	3.40	16-1/2 x 29-1/4	3.50	16-1/2 x 30-1/8
W1862	3.80	16-1/4 x 34-1/16	3.80	16-1/2 x 33-1/4	3.90	16-1/2 x 34-1/8
W20210	2.00	20-1/4 x 14-1/16	1.90	20-1/2 x 13-1/4	2.00	20-1/2 x 14-1/8
W2032	2.30	20-1/4 x 16-1/16	2.20	20-1/2 x 15-1/4	2.30	20-1/2 x 16-1/8
W20310	2.80	20-1/4 x 20-1/16	2.70	20-1/2 x 19-1/4	2.90	20-1/2 x 20-1/8
W2042	3.10	20-1/4 x 22-1/16	3.00	20-1/2 x 21-1/4	3.10	20-1/2 x 22-1/8
W2046	3.40	20-1/4 x 24-1/16	3.30	20-1/2 x 23-1/4	3.40	20-1/2 x 24-1/8
W20410	3.70	20-1/4 x 26-1/16	3.60	20-1/2 x 25-1/4	3.70	20-1/2 x 26-1/8
W2052	3.90	20-1/4 x 28-1/16	3.90	20-1/2 x 27-1/4	4.00	20-1/2 x 28-1/8
W2056	4.20	20-1/4 x 30-1/16	4.20	20-1/2 x 27-1/4 20-1/2 x 29-1/4	4.30	20-1/2 x 30-1/8
W2062	4.80	20-1/4 x 34-1/16	4.70	20-1/2 x 23-1/4 20-1/2 x 33-1/4	4.90	20-1/2 x 34-1/8
W24210	2.40	24-1/4 x 14-1/16	2.30	24-1/2 x 13-1/4	2.40	24-1/2 x 14-1/8
W2432	2.70	24-1/4 x 16-1/16	2.60	24-1/2 x 15-1/4	2.70	24-1/2 x 16-1/8
W24310	3.40	24-1/4 x 20-1/16	3.30	24-1/2 x 19-1/4	3.40	24-1/2 x 20-1/8
W2442	3.70	24-1/4 x 22-1/16	3.60	24-1/2 x 21-1/4	3.80	24-1/2 x 22-1/8
W2446	4.10	24-1/4 x 24-1/16	4.00	24-1/2 x 23-1/4	4.10	24-1/2 x 24-1/8
W24410	4.40	24-1/4 x 26-1/16	4.30	24-1/2 x 25-1/4	4.40	24-1/2 x 26-1/8
W2452	4.70	24-1/4 x 28-1/16	4.60	24-1/2 x 27-1/4	4.80	24-1/2 x 28-1/8
W2456	5.10	24-1/4 x 30-1/16	5.00	24-1/2 x 29-1/4	5.10	24-1/2 x 30-1/8
W2462	5.70	24-1/4 x 34-1/16	5.70	24-1/2 x 33-1/4	5.80	24-1/2 x 34-1/8
W28210	2.80	28-1/4 x 14-1/16	2.60	28-1/2 x 13-1/4	2.80	28-1/2 x 14-1/8
W2832	3.20	28-1/4 x 16-1/16	3.00	28-1/2 x 15-1/4	3.20	28-1/2 x 16-1/8
W28310	3.90	28-1/4 x 20-1/16	3.80	28-1/2 x 19-1/4	4.00	28-1/2 x 20-1/8
W2842	4.30	28-1/4 x 22-1/16	4.20	28-1/2 x 21-1/4	4.40	28-1/2 x 22-1/8
W2846	4.70	28-1/4 x 24-1/16	4.60	28-1/2 x 23-1/4	4.80	28-1/2 x 24-1/8
W28410	5.10	28-1/4 x 26-1/16	5.00	28-1/2 x 25-1/4	5.20	28-1/2 x 26-1/8
W2852	5.50	28-1/4 x 28-1/16	5.40	28-1/2 x 27-1/4	5.60	28-1/2 x 28-1/8
W2856	5.90	28-1/4 x 30-1/16	5.80	28-1/2 x 29-1/4	6.00	28-1/2 x 30-1/8
W29210	2.90	29-3/4 x 14-1/16	2.80	30 x 13-1/4	2.90	30 x 14-1/8
W29210 W2932	3.30	29-3/4 x 16-1/16	3.20	30 x 15-1/4	3.40	30 x 16-1/8
W29310	4.10	29-3/4 x 20-1/16	4.00	30 x 19-1/4	4.20	30 x 20-1/8
W29310 W2942	4.60	29-3/4 x 22-1/16	4.40	30 x 21-1/4	4.60	30 x 22-1/8
W2946	5.00	29-3/4 x 24-1/16	4.80	30 x 23-1/4	5.00	30 x 24-1/8
W2940 W29410	5.40	29-3/4 x 26-1/16	5.30	30 x 25-1/4	5.40	30 x 26-1/8
W29410 W2956	6.20	29-3/4 x 30-1/16	6.10	30 x 29-1/4	6.30	30 x 30-1/8
W2962	7.00	29-3/4 x 34-1/16	6.90	30 x 33-1/4	7.10	30 x 34-1/8
W30210	3.10	32-1/4 x 14-1/16	3.00	32-1/2 x 13-1/4	3.20	32-1/2 x 14-1/8
W3032	3.60	32-1/4 x 16-1/16	3.40	32-1/2 x 15-1/4	3.60	32-1/2 x 16-1/8
W3032	4.50	32-1/4 x 20-1/16	4.30	32-1/2 x 19-1/4	4.50	32-1/2 x 10-1/8
W30310 W3042	4.90	32-1/4 x 22-1/16	4.80	32-1/2 x 19-1/4	5.00	32-1/2 x 20-1/8
W3042 W3046	5.40	32-1/4 x 24-1/16	5.20	32-1/2 x 23-1/4	5.40	32-1/2 x 24-1/8
W3040	5.80	32-1/4 x 26-1/16	5.70	32-1/2 x 25-1/4	5.90	32-1/2 x 24-1/8
W3052	6.30	32-1/4 x 28-1/16	6.20	32-1/2 x 27-1/4	6.30	32-1/2 x 28-1/8
W3056	6.70	32-1/4 x 30-1/16	6.60	32-1/2 x 29-1/4	6.80	32-1/2 x 30-1/8
V V 3 U 3 U	0.70	02-1/4 X 00-1/10	0.00	02-1/2 X 28-1/4	0.00	02-1/2 X 00-1/0

NOTES: These specs do not apply to oriel windows. Use of sill rise adaptor will result in a 9/16" reduction in clear opening height. This guide contains two call size types for double-hung windows, since different markets use different call sizes. (W) indicates the size matches wood manufactured sizes and (V) indicates the size matches vinyl manufactured sizes. You can mix sizes in an order.

CLEAR OPENING SPECS STANDARD NC WINDOWS (V)

		Slimline DH/SH		Classic DH/SH		Tribute DH
Code		Clear Opening		Clear Opening		Clear Opening
	SQ. FT	(W X H) INCHES	SQ. FT	(W X H) INCHES	SQ. FT	(W X H) INCHES
2030V	1.69	18-1/4 x 13-5/16	1.62	18-1/2 x 12-5/8	1.72	18-1/2 x 13-3/8
2036V	2.07	18-1/4 x 16-5/16	2.01	18-1/2 x 15-5/8	2.10	18-1/2 x 16-3/8
2040V	2.45	18-1/4 x 19-5/16	2.39	18-1/2 x 18-5/8	2.49	18-1/2 x 19-3/8
2046V	2.83	18-1/4 x 22-5/16	2.78	18-1/2 x 21-5/8	2.83	18-1/2 x 22-3/8
2050V	3.21	18-1/4 x 25-5/16	3.16	18-1/2 x 24-5/8	3.26	18-1/2 x 25-3/8
2052V	3.33	18-1/4 x 26-5/16	3.29	18-1/2 x 25-5/8	3.39	18-1/2 x 26-3/8
2056V	3.59	18-1/4 x 28-5/16	3.55	18-1/2 x 27-5/8	3.65	18-1/2 x 28-3/8
2060V	3.97	18-1/4 x 31-5/16	3.93	18-1/2 x 30-5/8	4.03	18-1/2 x 31-3/8
2430V	2.06	22-1/4 x 13-5/16	1.97	22-1/2 x 12-5/8	2.09	22-1/2 x 13-3/8
2436V	2.52	22-1/4 x 16-5/16	2.44	22-1/2 x 15-5/8	2.56	22-1/2 x 16-3/8
2440V	2.98	22-1/4 x 19-5/16	2.91	22-1/2 x 18-5/8	3.03	22-1/2 x 19-3/8
2446V	3.45	22-1/4 x 22-5/16	3.38	22-1/2 x 22-5/8	3.50	22-1/2 x 22-3/8
2450V	3.91	22-1/4 x 25-5/16	3.85	22-1/2 x 24-5/8	3.96	22-1/2 x 25-3/8
2452V	4.07	22-1/4 x 26-5/16	4.0	22-1/2 x 25-5/8	4.12	22-1/2 x 26-3/8
2456V	4.37	22-1/4 x 28-5/16	4.32	22-1/2 x 27-5/8	4.43	22-1/2 x 28-3/8
2460V	4.84	22-1/4 x 31-5/16	4.79	22-1/2 x 30-5/8	4.90	22-1/2 x 31-3/8
2830V	2.43	26-1/4 x 13-5/16	2.32	26-1/2 x 12-5/8	2.46	26-1/2 x 13-3/8
2836V	2.97	26-1/4 x 16-5/16	2.88	26-1/2 x 15-5/8	3.01	26-1/2 x 16-3/8
2840V	3.52	26-1/4 x 19-5/16	3.43	26-1/2 x 18-5/8	3.57	26-1/2 x 19-3/8
2846V	4.07	26-1/4 x 22-5/16	3.98	26-1/2 x 22-5/8	4.12	26-1/2 x 22-3/8
2850V	4.61	26-1/4 x 25-5/16	4.53	26-1/2 x 24-5/8	4.67	26-1/2 x 25-3/8
2852V	4.80	26-1/4 x 26-5/16	4.72	26-1/2 x 25-5/8	4.85	26-1/2 x 26-3/8
2856V	5.16	26-1/4 x 28-5/16	5.08	26-1/2 x 27-5/8	5.22	26-1/2 x 28-3/8
2860V	5.71	26-1/4 x 31-5/16	5.64	26-1/2 x 30-5/8	5.77	26-1/2 x 31-3/8
3030V	2.80	30-1/4 x 13-5/16	2.67	30-1/2 x 12-5/8	2.83	30-1/2 x 13-3/8
3036V	3.43	30-1/4 x 16-5/16	3.31	30-1/2 x 15-5/8	3.47	30-1/2 x 16-3/8
3040V	4.06	30-1/4 x 19-5/16	3.94	30-1/2 x 18-5/8	4.10	30-1/2 x 19-3/8
3046V	4.69	30-1/4 x 22-5/16	4.58	30-1/2 x 22-5/8	4.74	30-1/2 x 22-3/8
3050V	5.32	30-1/4 x 25-5/16	5.22	30-1/2 x 24-5/8	5.37	30-1/2 x 25-3/8
3052V	5.53	30-1/4 x 26-5/16	5.43	30-1/2 x 25-5/8	5.59	30-1/2 x 26-3/8
3056V	5.95	30-1/4 x 28-5/16	5.85	30-1/2 x 27-5/8	6.01	30-1/2 x 28-3/8
3060V	6.58	30-1/4 x 31-5/16	6.49	30-1/2 x 30-5/8	6.65	30-1/2 x 31-3/8
3240V	4.33	32-1/4 x 19-5/16	4.2	32-1/2 x 18-5/8	4.37	32-1/2 x 19-3/8
3246V	5.00	32-1/4 x 22-5/16	4.88	32-1/2 x 22-5/8	5.05	32-1/222-3/8
3250V	5.67	32-1/4 x 25-5/16	5.56	32-1/2 x 24-5/8	5.73	32-1/2 x 25-3/8
3252V	5.89	32-1/4 x 26-5/16	5.78	32-1/2 x 25-5/8	5.95	32-1/2 x 26-3/8

VINYL

					ENE	RGY	STAF) Zone	Comp	liance						EN	ERG'	Y STA			one	
Product Line	Glazing Description	Pe	Thermal erforman SHGc	ce	١	10 G	GRID:	S	Pe	Thermal erforman SHGc	ce	WI	TH (GRIE	os	٨	10 G	iRIDS	S	W	ITH (GRIE)S
	ThermaLock 3X TG RS Low-E FOAM	0.21	0.24	0.44	N	NC			0.22	0.21	0.39	N	NC	sc	S	N	NC	sc	S	N	NC	SC	S
	SunGain PLUS DG RS Low-E HIGH SHGC	0.26	0.46	0.57	N26				0.26	0.42	0.50	N26				N				N			
Tribute Devile	ThermaLock RS DG 2X Low-E	0.25	0.29	0.52		NC			0.25	0.26	0.46		NC			N	NC			N	NC		
Tribute Double	SunShield PLUS SC DG RS Low-E	0.25	0.20	0.46		NC	SC	S	0.25	0.18	0.41		NC	SC	S	N	NC	sc	S	N	NC	sc	s
Hung	SunShield DG SC	0.29	0.20	0.47				S	0.29	0.18	0.42				S		NC	sc	S		NC	sc	s
	ThermaGuard DG Low-E	0.29	0.30	0.53	-	-	-	-	0.29	0.27	0.47	-	-	-	-		NC				NC		
	SunGain DG HIGH SHGC	0.30	0.48	0.58	-	-	-	-	0.30	0.43	0.51	-	-	-	·	N30	-	-	-	N30	-	-	-
	ThermaLock 3X TG RS Low-E FOAM	0.24	0.24	0.44		NC			0.24	0.21	0.39		NC	SC	S	N	NC	sc	S	N	NC	sc	S
	SunGain PLUS DG RS Low-E HIGH SHGC	0.27	0.46	0.57	-	-	-	-	0.27	0.42	0.50	-	-	-	-	N				N			
Tribute Double	ThermaLock RS DG 2X Low-E	0.26	0.29	0.52	-	-	-	-	0.26	0.26	0.46	-	-	-	-	N	NC			N	NC		
Hung	SunShield PLUS DG SC RS Low-E	0.26	0.20	0.46			SC	S	0.26	0.18	0.41			SC	S	N	NC	sc	s	N	NC	sc	s
Reinforced Sashes	SunShield DG SC	0.30	0.20	0.47				S	0.30	0.18	0.42				S		NC	sc	S		NC	sc	S
_	ThermaGuard DG Low-E	0.30	0.30	0.53	-	-	-	-	0.30	0.27	0.47	-	-	-	-		NC				NC		
	SunGain DG HIGH SHGC	0.31	0.48	0.58	-	-	-	-	0.31	0.43	0.51	-	-	-	-	-	-	-	-	-	-	-	-
	SunGain PLUS DG RS Low-E HIGH SHGC	0.25	0.48	0.59	N25				0.25	0.43	0.53	N25				N				N			
	ThermaLock RS DG 2X Low-E	0.24	0.30	0.54		NC			0.24	0.27	0.48	Ш	NC			N	NC			N	NC		
Classic Double	SunShield PLUS DG SC RS Low-E	0.24	0.21	0.48		NC	SC	S	0.24	0.19	0.43		NC	SC	S	N	NC	sc	S	N	NC	sc	S
Hung	SunShield DG SC	0.28	0.21	0.49			SC	S	0.28	0.19	0.44			SC	S		NC	sc	S		NC	sc	S
_	ThermaLock DG 2X Low-E	0.27	0.29	0.49	-	-	-	-	0.27	0.26	0.44	-	-	-	-	N	NC			N	NC		
_	ThermaGuard DG Low-E SunGain DG HIGH SHGC	0.28	0.31	0.55	-	-	-	-	0.28	0.28	0.49	-	-	-	-	N29	NC			N29	NC		
		0.29	0.50	0.00	_		_	_	0.29	0.45	0.54		_	_		1429				INZ9			
_	SunGain PLUS DG RS Low-E	0.25	0.49	0.60	N25				0.25	0.44	0.54	N25				N				N			
Slimline Double -	ThermaLock RS DG 2X Low-E	0.25	0.31	0.56		NC			0.25	0.28	0.50		NC			N	NC			N	NC		
Hung & Single	SunShield PLUS DG SC RS Low-E	0.24	0.21	0.49	-	NC	SC	S	0.25	0.31	0.56		NC	SC	S	N	NC	sc	S	N	NC	SC	S
Hung	SunShield DG SC ThermaGuard DG Low-E	0.28	0.21	0.50	-	_	SC -	S	0.28	0.20	0.45	-	_	SC	S		NC NC	sc	S		NC NC	sc	S
	SunGain DG HIGH SHGC	0.29	0.51	0.62	-	-	-	-	0.29	0.26	0.55	-	_	-	-	N30	NC			N30	NC		
			_						_					_									
_	ThermaLock 3X TG Low-E	0.21	0.21	0.39	N	NC	SC	S	0.21	0.20	0.35	N	NC	SC	S	N	NC	SC	S	N	NC	SC	S
_	SunGain PLUS DG RS Low-E	0.23	0.42	0.50	N23	NC			0.23	0.38	0.45	N23	NC NC			N	NC			N N	NC NC		
Casement -	ThermaLock RS DG 2X Low-E SunShield PLUS DG SC RS Low-E	0.23	0.26	0.46		NC	SC	S	0.23	0.24	0.42		NC	SC	S	N	NC	sc	s	N	NC	SC	s
(Fixed lite values may	SunShield DG SC	0.26	0.18	0.42		NO	SC	S	0.26	0.17	0.38		NO	sc	S	N	NC	SC	S	N	NC	SC	S
differ)	ThermaLock DG 2X Low-E	0.26	0.25	0.42					0.26	0.23	0.38			SC	S	N	NC	SC	s	N	NC	SC	s
	ThermaGuard DG Low-E	0.26	0.27	0.47	-	-	-	-	0.26	0.24	0.43	-	-	-	-	N	NC			N	NC	SC	S
	SunGain DG HIGH SHGC	0.27	0.43	0.52	-	-	-	-	0.27	0.39	0.47	-	-	-	-	N				N	NC		
	ThermaLock 3X TG RS Low-E	0.22	0.21	0.39	N	NC	sc	s	0.22	0.20	0.35	N	NC	sc	s	N	NC	sc	s	N	NC	sc	s
	SunGain PLUS DG RS Low-E HIGH SHGC	0.25	0.42	0.50	N25	NO	30	3	0.24	0.38	0.45	N24	NC	30	3	N	NO	30	3	N	NC	30	
<u> </u>	ThermaLock RS DG 2X Low-E	0.24	0.26	0.46		NC		\vdash	0.24	0.24	0.43		NC			N	NC			N	NC	sc	s
Awning	SunShield PLUS DG SC RS Low-E	0.24	0.18	0.41			SC	S	0.24	0.16	0.37		NC	sc	S	N	NC	sc	s	N	NC	sc	S
(Fixed lite values may	SunShield DG SC	0.27	0.18	0.42			sc	s	0.27	0.17	0.38			sc	S	N	NC	sc	s	N	NC	sc	s
differ)	ThermaLock DG 2X Low-E	0.27	0.25	0.42					0.27	0.23	0.38			sc	S	N	NC	sc	s	N	NC	sc	s
	ThermaGuard DG Low-E	0.27	0.27	0.47	-	-	-	-	0.27	0.24	0.43	-	-	-	-	N	NC			N	NC	sc	S
	SunGain DG HIGH SHGC	0.28	0.43	0.52	-	-	-	-	0.28	0.39	0.47	-	-	-	-	N28				N28	NC		
	ThermaLock 3X TG RS Low-E	0.22	0.25	0.46	N	NC			0.23	0.22	0.41		NC	SC	S	N	NC	sc	S	N	NC	sc	S
	SunGain PLUS DG RS Low-E HIGH SHGC	0.26	0.48	0.59	N26				0.26	0.43	0.53	N26				N				N			
	ThermaLock RS DG 2X Low-E	0.25	0.30	0.55		NC			0.25	0.27	0.49		NC			N	NC			N	NC		
Rolling Window	SunShield PLUS DG SC RS Low-E	0.25	0.21	0.48		NC	SC	S	0.25	0.19	0.43	Ш	NC	sc	S	N	NC	sc	S	N	NC	sc	S
	SunShield DG SC	0.29	0.21	0.49	-	_		S	0.29	0.19	0.44	Ш			S		NC	sc	S		NC	sc	S
_	ThermaGuard DG Low-E	0.29	0.31	0.55	-	-	-	-	0.29	0.28	0.49	-	-	-	-	Noc	NC			NICO	NC		
	SunGain DG HIGH SHGC	0.30	0.50	0.61	-	-	-		0.30	0.45	0.54	-	-	-	-	N30				N30			
	ThermaLock 3X TG RS Low-E	0.19	0.26	0.49	N	NC			0.20	0.24	0.43	N	NC			N	NC			N	NC	sc	S
	SunGain PLUS DG RS Low-E HIGH SHGC	0.23	0.51	0.63	N23			$oxed{\Box}$	0.23	0.46	0.56	N23				N				N			
	ThermaLock RS DG 2X Low-E	0.22	0.32	0.58	N23				0.22	0.29	0.51	N23				N	NC			N	NC		
Picture Window	SunShield PLUS DG SC RS Low-E	0.22	0.22	0.51	N	NC	SC	S	0.22	0.22	0.46	N	NC	SC	S	N	NC	SC	S	N	NC	SC	S
	ThermaLock DG 2X Low-E	0.25	0.30	0.52	-	NC	00		0.25	0.28	0.47		NC	00		N	NC	00		N	NC	00	
<u> </u>	SunShield DG SC ThermaGuard DG Low-E	0.25	0.22	0.52	-	NC	SC -	S	0.25	0.20	0.46	_	NC	SC -	S	N	NC	sc	S	N N	NC NC	sc	S
	SunGain DG HIGH SHGC	0.26	0.52	0.59	Ė	-	-	-	0.26	0.29	0.52		-	-		N	.40			N	.40		
	Candair Da mail snac																						

Chart represents thermal values for replacement/Integral J frame windows with Argon gas fill.

VINYL (CONT.)

					ENE	RGY	STAI	R® 7.0) Zone	Comp	oliance						EN			AR® 6 lianc		ne	
Product Line	Glazing Description	Pe	Thermalerforman	ice	١	10 G	RID	S	Pe	Thermalerforman	ice	W	ITH (GRII	os	١	10 G	iRID:	6	W	ITH (GRIE)S
	ThermaLock 3X TG RS Low-E	0.23	0.23	0.42		NC	sc	S	0.23	0.21	0.38		NC	sc	S	N	NC	sc	S	N	NC	sc	S
	SunGain PLUS RS Low-E SHGC	0.26	0.45	0.54	N26				0.26	0.41	0.49	N26				N				N			
Hopper	ThermaLock RS DG Low-E	0.27	0.28	0.50	-	-	-	-	0.27	0.26	0.45	-	-	-	-	N	NC			N	NC		
Window	SunShield PLUS SC RS Low-E	0.25	0.19	0.44		NC	sc	S	0.25	0.18	0.40		NC	SC	S	N	NC	sc	S	N	NC	sc	S
Willdow	SunShield DG SC	0.29	0.19	0.45				S	0.29	0.18	0.41				S		NC	sc	S		NC	sc	S
	ThermaGuard DG Low-E	0.30	0.28	0.50	-	-	-	-	0.30	0.26	0.45	-	-	-	-		NC				NC		
	SunGain DG HIGH SHGC	0.30	0.46	0.55	-	-	-	-	0.30	0.42	0.50	-	-	-	-	N30				N30			
	SunGain PLUS RS Low-E SHGC	0.23	0.55	0.68	N23				0.23	0.49	0.61	N23				N				N			
	ThermaLock BS DG 2X Low-F	0.23	0.32	0.60		NC			0.23	0.29	0.54		NC			N	NC			N	NC		
	SunShield PLUS SC BS Low-F	0.22	0.23	0.55	N	NC	sc	s	0.22	0.21	0.50	N	NC	SC	s	N	NC	sc	s	N	NC	sc	s
Designer	SunShield DG SC	0.27	0.24	0.57					0.27	0.22	0.51			SC	S	N	NC	sc	S	N	NC	sc	S
Shapes	ThermaLock DG 2X Low-E	0.27	0.30	0.52	-	-	-	-	0.27	0.27	0.47	-	-	-	-	N	NC			N	NC		
	ThermaGuard DG Low-E	0.27	0.32	0.61	-	-	-	-	0.27	0.29	0.55	-	-	-	-	N	NC			N	NC		
	SunGain DG HIGH SHGC	0.29	0.56	0.69	-	-	-	-	0.29	0.51	0.62	-	-	-	-	N29				N29			
	ThermaLock 3X TG RS Low-E	0.21	0.29	0.53	N	NC			0.22	0.26	0.48	N	NC			N	NC			N	NC		
	SunGain PLUS RS Low-E SHGC	0.25	0.56	0.68	N25				0.25	0.50	0.61	N25				N				N			
Vinvl	ThermaLock RS DG Low-E	0.24	0.35	0.63	N24	NC			0.24	0.32	0.56		NC	SC	S	N	NC			N	NC		
DeadLite	SunShield PLUS SC RS Low-E	0.24	0.24	0.56		NC			0.24	0.22	0.50			SC	S	N	NC	SC	S	N	NC	sc	S
	SunShield DG SC	0.28	0.24	0.57	-	-	-	-	0.28	0.22	0.51	-	-	-	-		NC	sc	S		NC	sc	S
	ThermaGuard DG Low-E	0.29	0.35	0.64	-	-	-	-	0.29	0.32	0.57	-	-	-	-		NC				NC		
	SunGain DG HIGH SHGC	0.30	0.58	0.70	-	-	-	-	0.30	0.52	0.63	-	-	-	-	N30				N30			

High Solar Heat Gain (SHGc) glazing is designed for use in the Northern ENERGY STAR® climate zone only. Windows glazed with High SHGc glass are ideal for passive solar applications where a reduction in thermal performance (U-Factor) is allowed for a gain in solar heat performance. High SHGc glazing can qualify for the Northern ENERGY STAR® climate zone by meeting either of the three Equivalent Energy Performance (EEP) criteria shown below.

PATIO DOOR

		-E															EN		Y STA		6.0 Zo e	one	
Product Line	Glazing Description	Pe	rforman	ce	١	10 G	RID	S	Pe	erforman	ice	W	TH (GRIE	os	ı	NO G		j			GRIE)S
	ThermaLock RS DG Low-E	0.25														N	NC			N	NC	sc	S
	SunShield PLUS SC RS Low-E	0.25	0.25 0.20 0.46 N NC SC S 0.25 0.17 0.40 N NC SC S												N	NC	sc	s	N	NC	sc	s	
Visual Detic	ThermaLock DG 2X Low-E	0.28	0.25	0.43					0.28	0.22	0.37			sc	S	N	NC	sc	s	N	NC	sc	s
Vinyl Patio Door	ThermaGuard DG Low-E	0.29	0.27	0.51	-	-	-	-	0.29	0.24	0.44	-	-	-	-	N	NC			N	NC	sc	s
Door	SunShield DG SC	0.29	0.20	0.47	-	-	-	-	0.29	0.18	0.41	-	-		-	N	NC	sc	S	N	NC	sc	S
	Blinds Between Glass ** DG 2X Low-E	0.29	0.25	0.46	-	-	-	-	-	-	-	-	-	-	-	N	NC	sc	S				
Non-Impact	ThermaGuard DG Low-E	0.30	0.29	0.50	-	-	-	-	0.30	0.26	0.44	-	-	-	-	N	NC						
DP50	SunShield DG SC	0.29	0.20	0.45	-	-	-	-	0.29	0.17	0.39	-	-	-	-	N	NC	sc	S				
PD180 Patio Door	ThermaGuard DG Low-E	0.29 0.20 0.47 - - - 0.29 0.18 0.41 - - 0.29 0.25 0.46 - - - - - - - - - - 0.30 0.29 0.50 - - - - 0.30 0.26 0.44 - -														N	NC			N	NC		

Legend

RS	Roomside
DG	Dual-Glazed Glass - 2 panes
TG	Triple-Glazed Glass - 3 panes
SC	Solar Control
HIGH SHGC	High Solar Heat Gain Package
2X	2 Low-E Coatings



VINYL

		Thermal Performance N.O. CRIPO Performance															EN	ERG	Y ST	AR® (6.0 Zc	ne	
								٠ /.٠		10 00	, mpm							С	omp	liand	e		
Product Line	Glazing Description		rforma		N	10 G	RIDS	3			nce	W	ITH (GRII	DS	1	NO G	RID	S	W	ITH (GRIE)S
	SunGain PLUS DG RS Low-E HIGH SHGC	0.26	0.45	0.57	N26				0.26	0.40	0.51	N26				N				N	NC		
Classic	ThermaLock RS DG Low-E	0.25	0.27	0.51		NC			0.25	0.24	0.45		NC			N	NC			N	NC	sc	s
Double Hung	SunShield DG SC	0.28	0.21	0.48			sc	s	0.28	0.19	0.43			sc	s		NC	sc	s		NC	sc	s
STC34	ThermaLock DG 2X Low-E	0.28	0.25	0.44					0.28	0.23	0.39			sc	s		NC	sc	s	İ	NC	sc	s
	ThermaGuard DG Low-E	0.29	0.34	0.52	-	-	-	-	0.29	0.31	0.46	-	-	-	-		NC				NC		
	SunGain PLUS DG RS Low-E HIGH SHGC	0.26	0.46	0.59	N26				0.26	0.41	0.52	N26				N				N			
Slimline	ThermaLock RS DG Low-E	0.26	0.27	0.52	-	-	-	-	0.26	0.25	0.46	-	-	-	-	N	NC			N	NC	sc	s
Double Hung	SunShield PLUS DG SC RS Low-E	0.26	0.21	0.48			sc	S	0.26	0.19	0.43			sc	S	N	NC	sc	s	N	NC	sc	s
STC34	SunShield DG SC	0.29	0.21	0.49				s	0.29	0.19	0.44				s		NC	sc	s		NC	sc	s
	ThermaGuard DG Low-E	0.30	0.35	0.53	-	-	-	-	0.30	0.31	0.48	-	-	-	-		NC				NC		
	SunGain PLUS DG RS Low-E HIGH SHGC	0.25	0.38	0.49		NC			0.25	0.35	0.44		NC		П	N	NC			N	NC		
Casement	ThermaLock RS DG Low-E	0.25	0.23	0.43		NC	sc	s	0.25	0.21	0.39		NC	sc	s	N	NC	sc	s	N	NC	sc	s
STC34	SunShield DG SC	0.28	0.18	0.41			sc	s	0.28	0.17	0.37			sc	S		NC	sc	s		NC	sc	s
	ThermaGuard DG Low-E	0.28	0.30	0.44	-	-	-	-	0.28	0.27	0.40	-	-	-	-		NC				NC		
	SunGain PLUS DG RS Low-E HIGH SHGC	0.26	0.38	0.49					0.26	0.35	0.44					N	NC			ΙN	NC		
Awning	ThermaLock RS DG Low-E	0.25	0.23	0.43		NC	SC	S	0.25	0.21	0.39		NC	sc	S	N	NC	sc	s	N	NC	sc	s
STC34	SunShield DG SC	0.28	0.18	0.41			SC	S	0.28	0.17	0.37			sc	S		NC	sc	S		NC	sc	S
	ThermaGuard DG Low-E	0.28	0.30	0.44	-	-	-	-	0.28	0.27	0.40	-	-	-	-		NC				NC		
	SunGain PLUS DG RS Low-E HIGH SHGC	0.24	0.45	0.58	N24				0.24	0.41	0.52	N24				N				N			
Fixed Casement/	ThermaLock RS DG Low-E	0.23	0.27	0.51		NC			0.23	0.25	0.46		NC			N	NC			N	NC	sc	s
Awning STC34	SunShield DG SC	0.26	0.21	0.49			sc	S	0.26	0.19	0.44			sc	S	N	NC	sc	s	N	NC	sc	s
0.004	ThermaGuard DG Low-E	0.27	0.35	0.53	-	-	-	-	0.27	0.31	0.47	-	-	-	-	N	NC			N	NC		
	SunGain PLUS DG RS Low-E HIGH SHGC	0.22	0.47	0.61	N				0.22	0.42	0.54	N				N				N			
Picture Window	ThermaLock RS DG Low-E	0.22	0.28	0.54	N	NC			0.21	0.25	0.48	N	NC			N	NC			N	NC	sc	s
STC32	SunShield DG SC	0.25	0.22	0.51		NC	sc	S	0.25	0.20	0.46		NC	sc	S	N	NC	sc	s	N	NC	sc	s
	ThermaGuard DG Low-E	0.26	0.36	0.55	-	-	-	-	0.26	0.33	0.49	-	-	-	-	N	NC			N	NC		
	SunGain PLUS DG RS Low-E HIGH SHGC	0.26	0.41	0.53	N26				0.26	0.37	0.48					N				N	NC		
Hopper	ThermaLock RS DG Low-E	0.26	0.25	0.46					0.26	0.23	0.42			sc	S	N	NC	sc	s	N	NC	sc	s
STC33	SunShield DG SC	0.28	0.20	0.44			sc	S	0.28	0.18	0.4			sc	S		NC	sc	s		NC	sc	s
	ThermaGuard DG Low-E	0.29	0.31	0.48	-	-	-	-	0.29	0.29	0.43	-	-	-	-		NC				NC		
	SunGain PLUS DG RS Low-E HIGH SHGC	0.27	0.45	0.58	-	-	-	-	0.27	0.40	0.51	-	-	-	-	N				N	NC		
W-14-45	ThermaLock RS DG Low-E	0.26	0.27	0.51	-	-	-	-	0.26	0.24	0.45	-	-	-	-	N	NC			N	NC	sc	s
Welded Rolling STC33	SunShield PLUS DG SC RS Low-E Argon	0.26	0.21	0.47			sc	S	0.26	0.19	0.42			sc	S	N	NC	sc	s	N	NC	sc	s
31033	SunShield DG SC	0.29	0.21	0.48				s	0.29	0.19	0.43				s		NC	sc	s		NC	sc	s
	ThermaGuard DG Low-E	0.30	0.34	0.52	-	-	-	-	0.30	0.31	0.47	-	-	-	-		NC				NC		
					_		_				_		_										

Chart represents thermal values for replacement/Integral J frame windows with Argon gas fill.

WOOD WINDOWS

					ENE	RGY	STAF	R® 7.	0 Zor	ne Co	ompli	ance					EN	ERGY		AR® 6		one	
Product Line	Glazing Description		Therm rforma SH VT		Ν	10 G	RID	S		Therma rforma SH VT	nce	W	TH (GRIE	os	١	10 G	RIDS	3	W	ITH (GRIE	os
	ThermaLock DG RS 2X Low-E	0.27	0.29	0.51	-	-	-	-	0.27	0.26	0.45	-	-	-	-	N	NC			N	NC		
Majesty Double	SunShield PLUS DG SC RS Low-E	0.27	0.20	0.45			sc	S	0.27	0.18	0.40			sc	S	N	NC	sc	s	N	NC	sc	S
Hung	SunShield DG SC	0.30	0.20	0.46				S	0.30	0.18	0.41				s		NC	sc	s		NC	sc	s
Majesty Picture	ThermaLock DG RS 2X Low-E	0.25	0.30	0.53		NC			0.25	0.27	0.47		NC			N	NC			N	NC		
Window	SunShield PLUS* DG SC RS Low-E	0.25	0.20	0.47		NC	sc	S	0.25	0.18	0.42		NC	sc	S	N	NC	sc	s	N	NC	sc	S
(Matches DH)	SunShield* DG SC	0.28	0.21	0.49			sc	S	0.28	0.19	0.43			sc	S		NC	sc	s		NC	sc	s
	ThermaLock TG RS Low-E	0.27	0.23	0.43			sc	S	0.27	0.21	0.38			sc	s	N	NC	sc	s	N	NC	SC	s
<u></u> .	ThermaGuard TG 2X Low-E	0.30	0.23	0.38				s	0.31	0.21	0.35				s		NC	sc	s				s
Majesty	ThermaLock RS TG 2X Low-E	0.31	0.26	0.48	-	-	-	-	0.31	0.24	0.43	-	-	-	-								s
Casement	SunShield PLUS* DG SC RS Low-E	0.31	0.19	0.44				s	0.31	0.18	0.40				S				s				s
	SunShield* TG SC	0.34	0.20	0.45	-	-	-	-	0.34	0.18	0.41	-	-	-	-				s				s
	ThermaLock TG RS Low-E	0.27	0.23	0.43			SC	s	0.27	0.21	0.38			sc	S	N	NC	sc	s	N	NC	sc	s
	ThermaGuard TG 2X Low-E	0.30	0.23	0.38				s	0.31	0.21	0.35				s		NC	sc	s				s
Majesty Awning	ThermaLock RS DG 2X Low-E	0.31	0.26	0.48	-	-	-	-	0.31	0.24	0.43	-	-	-	-								s
	SunShield PLUS* DG SC RS Low-E	0.31	0.19	0.44				S	0.31	0.18	0.40				S				s				S
	SunShield* TG SC	0.34	0.20	0.45	-	-	-	-	0.34	0.18	0.41	-	-	-	-				s				s
	ThermaLock TG RS Low-E	0.22	0.26	0.49	N	NC			0.22	0.24	0.44	N	NC			N	NC			N	NC	sc	s
	ThermaGuard TG 2X Low-E	0.30	0.23	0.38				S	0.31	0.21	0.35				S	N	NC			N	NC	sc	s
Majesty Fixed Lite (Matches Casement)	ThermaLock RS DG 2X Low-E	0.26	0.26	0.44	-	-	-	-	0.27	0.23	0.39	-	-	-	-	N	NC			N	NC		
(watches Casement)	SunShield PLUS* DG SC RS Low-E	0.23	0.20	0.38			sc	S	0.24	0.18	0.34			sc	S	N	NC	sc	s	N	NC	sc	s
	SunShield* DG SC	0.31	0.22	0.52				S	0.31	0.20	0.47				S				s				s
Majesty Gliding	ThermaLock DG RS 2X Low-E	0.28	0.19	0.45			SC	S	0.28	0.40	0.48			SC	S	N28				N28	NC		

^{*} Packages Coming Soon

WOOD PATIO DOORS

**********	10 000110														
Majesty Sliding	ThermaGuard DG 2X Low-E	0.29	0.32	0.54	-	-	-	-	0.29	0.28	0.47	-	-	-	
								_					=	_	_
Majesty Outswing	ThermaLock DG 2X Low-E	0.29	0.36	0.43	-	-	-	-	0.29	0.31	0.37	-	-	-	l
Majesty Inswing	SunGain PLUS RS Low-E HIGH SHGC	0.28	0.35	0.43	-	-	-	-	0.28	0.3	0.36	-	-	-	ĺ

0.29	0.32	0.54	-	-	-	-	0.29	0.28	0.47	-	-	-	-	Ц	N	NC		N	NC	
0.29	0.36	0.43	-	-	-	-	0.29	0.31	0.37	-	-	-	-		N	NC		N	NC	
0.28	0.35	0.43	-	-	-	-	0.28	0.3	0.36	-	-	-	-		N	NC		N	NC	



a constant				
WII	NDOWS			
US Climate Zones	U-Factor	SHGc		
Northern	≤ 0.22	≥ 0.17		
	= 0.23	> 0.35		
Northern Equivalent	= 0.24	≥ 0.35		
Northern Equivalent	= 0.25	> 0.40		
	= 0.26	≥ 0.40		
North-Central	≤ 0.25	≤ 0.40		
South-Central	≤ 0.28	≤ 0.23		
Southern	≤ 0.32	≤ 0.23		
PATIO	DOORS			
Northern	< 0.26	< 0.40		
North-Central	≥ 0.20	≥ 0.40		
South-Central	< 0.28	< 0.00		
Courthouse	≥ 0.28	≤ 0.23		



V	VINDOWS						
US Climate Zones	U-Factor	SHGc					
Northern	<= 0.27	ANY					
N28	= 0.28	>= 0.32					
N29	= 0.29	>= 0.37					
N30	= 0.30	>= 0.42					
North-Central	<= 0.30	<= 0.40					
South-Central	<= 0.30	<= 0.25					
Southern	<= 0.40	<= 0.25					
PATIO DOORS							
Northern		<= 0.40					
North-Central	<= 0.30	<= 0.40					
South-Central	<= 0.30	<= 0.25					
		<= 0.25					

U-Factor in accordance with NFRC-100 and based on whole window values. Performance values shown are for "Single Strength" glass, unless otherwise noted. Performance with "Double Strength" glass, different reinforcement levels, may vary. Performance with 1" grids may vary.

Select glass types shown - others are available subject to special inquiry. Tempered Low-E and Bronze Tint glass will affect U-Factor, SHGc and VT values. Obscured glass is treated as Clear glass and shares the same thermal data.

All Patio Door Glazing Options are Tempered Glass only.



Ratings depend on size tested. Our products are tested for performance regularly. Test results subject to change.

STRUCTURAL PERFORMANCE DATA

VINYL WINDOWS AND PATIO DOORS

Product Line	Unit Size W x H	Configuration	Air Infliltration cfm/ft²	Water Resistance psf	Structural Test Pressure psf	DP Rating	Structural Rating
	54" x 91"†	Single	0.06	5.43	52.63	DP35	H-LC35
Tributa Daubla Lluna	48" x 84"	Single	0.01	5.43	52.63	DP35	H-LC35
Tribute Double Hung	42" x 77"†**^	Single	0.01	7.52	74.24	DP50	H-LC50
	85-1/2" x 75"	2-Wide CJ	0.06	5.43	52.63	DP35	H-LC35
	48" x 84"	Single	0.01	6.06	60.15	DP40	H-LC40
	42" x 77"†^	Single	0.03	7.52	75.24	DP50	H-LC50
Classic Double Hung	72" x 72"	2-Wide CJ	0.14	6.90	67.70	DP45	H-LC45
	110" x 72"	DH-PW-DH CJ	0.03	5.43	52.63	DP35	H-LC35
	110" x 72"	3-Wide CJ	0.17	5.43	52.63	DP35	H-LC35
	46" x 77"	Single	0.01	4.59	45.11	DP30	H-LC30
	54" x 77"	Single	0.26	6.06	37.59	DP25	H-LC25
Slimline Double Hung & Single Hung	40" x 63"†**^	Single	0.01	7.52	75.19	DP50	H-LC50
	37 x 72†**^ 72" x 72"	Single 2-Wide CJ	0.01 cfm/ft ² 0.07	7.52 psf 5.43	75.19 psf 52.63	DP50 DP35	H-LC50 H-LC35
Vinyl Awning	48" x 58" 64" x 32"†	Single Single	0.01	8.35 7.52	60.15 75.19	DP40 DP50	AP-LC40 AP-LC50
Viriyi Awriing 	60" x 42"	Single	0.01	6.06	60.19	DP30 DP40	AP-LC50 AP-C40
		-	1				
\/	36" x 80"	Single	0.01	8.35	82.71	DP55	C-C55
Vinyl Casement	71-1/4" x 80" 60" x 72"	2-Wide CJ 2-Wide CJ	0.04	5.43 7.52	52.63 75.19	DP35 DP55	C-C35 C-C55
	60" x 80"	Single	0.01	7.52	60.19	DP40	F-C40
	64" x 56"	Single	0.02	7.52	75.19	DP50	F-C50
Fixed Vinyl Casement / Awning	36" x 72"	Single	0.01	8.35	82.71	DP55	F-C55
	46" x 60"	Single	0.01	6.06	60.19	DP40	F-C40
Venting Vinyl Awning over Fixed w/Mull & CJ	65" x 77"†	Stacked CJ-Mull	0.01	7.52	75.19	DP50	AP-LC50
Fixed Vinyl Casement over Venting Awning	64" x 78"†	Stacked CJ	0.03	7.52	75.19	DP50	AP-LC50
Vinyl PW mulled over Venting Awning	64" x 78"†	Stacked Mull	0.01	7.52	75.19	DP50	AP-LC50
Vinyl PW mulled over Venting Awning CJ-2	72" x 103"†	Stacked Mull	0.07	7.52	75.19	DP50	AP-LC50
	72" x 72"	Single	0.01	8.35	82.71	DP55	F-C55
Vinyl Picture Window	110" x 72"	2-Wide CJ	0.01	4.59	45.11	DP30	F-LC30
Visual Decision of Change	78" x 85-1/4"	Single	0.01	7.52	75.19	DP50	F-C50
Vinyl Designer Shape	64" x 64"	Single	0.01	7.52	75.19	DP50	F-C50
Malala al Viant Dallia a Minalano	72" x 62-1/2"	2-Lite	0.01	5.43	52.63	DP35	HS-LC35
Welded Vinyl Rolling Window	120" x 62-1/2"	3-Lite	0.07	3.76	37.59	DP25	HS-LC25
Vinyl Hopper Window	48" x 32"	Single	0.06	2.92	22.57	DP15	AP-R15
Vinyl Patio Door (with or without Transom)	96" x 80" (8068)	2-Lite	0.13	5.43	52.63	DP35	SD-R35
The state of the s	96" x 96" (8080)	2-Lite	0.05 cfm/ft ²	5.43 psf	37.59 psf	DP25	SD-R25
Vinyl Patio Door	144" x 80" (12068)	3-Lite OXO	0.01 cfm/ft ²	5.43 psf	52.63 psf	DP35	SD-R35
	139-3/4" x 95-1/2" (12080)	4-Lite OXXO	0.05 cfm/ft ²	3.76 psf	37.59 psf	DP25	SD-R25

STRUCTURAL PERFORMANCE DATA

WOOD WINDOWS

Product Line	Unit Size W x H	Configuration	Air	Water	Structural Test Pressure psf	DP Rating	Structural Rating
Majasty Davida I Ivas	44" x 75"	Cinala	0.07	5.43	52.66	DP35	H-R35
Majesty Double Hung		Single					
Majesty Picture Window	54" x 54"	Single	0.01	3.76	52.63	DP35	F-LC35
Majesty Casement	32" x 72"	Single	0.01	3.76	37.59	DP25	C-LC25
Majesty Fixed Casement	60" x 72"	Single	0.01	3.13	30.08	DP20	F-R20
Majesty Awning	48" x 39"	Single	0.01	5.43	52.63	DP35	AP-C35
Majesty Gliding Window	72" x 61"	2-Lite	0.26	3.75	37.59	DP25	HS-R25
	72" x 108"	2-Lite	0.24	4.59	45.11	DP30	SD-R30
Majesty Gliding Patio Door	96" x 96"	2-Lite	0.19	6.90	60.15	DP40	SD-LC40
Majesty Gilding Patio Door	192" x 82"	4-Lite	0.21	5.43	52.63	DP35	SD-R35
	192" x 96"	4-Lite	0.18	3.75	37.59	DP25	SD-LC25
	64" x 82"	2-Lite	0.08	6.90	60.15	DP40	SHD-R40
Majesty Hinged Patio Door	64" x 96"	2-Lite	0.10	6.90	60.15	DP40	SHD-R40
In-swing Multi Point	72" x 96"	2-Lite	0.10	7.52	75.19	DP50	SHD-R50
	72" x 108"	2-Lite	0.08	4.59	45.11	DP30	SHD-R30
	64" x 82"	2-Lite	0.20	6.90	60.15	DP40	SHD-R40
Majesty Hinged Patio Door	64" x 96"	2-Lite	0.10	6.90	60.15	DP40	SHD-R40
Out-swing Multi Point	72" x 96"	2-Lite	0.10	7.52	75.19	DP50	SHD-LC50
	72" x 108"	2-Lite	0.04	4.59	45.11	DP30	SHD-R30

Notes:

Remorced sasi	+	Reinforced	sash
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^{**} Sill Rise Extender will reduce clear opening height by 9/16"

Legend:

Product Line	Describes that product line of windows and doors and provides the Name for that line.
Unit Size	Shows the overall size of the window tested to achieve the results listed.
Configuration	Indicates the window or door configuration, number of units and/or shape tested
Air Infiltration	A measure of a windows air flow passing through the window taken at 1.57 psf. (25 mph equivalent).
Water Resistance	A measure of a windows water performance or resistance to water entry expressed in psf.
Structural Test Pressure	Overload pressure used during testing (1.5 x Design Pressure)
Design Pressure (DP Rating)	Overall structural performance rating for the subject window based on Air, Water and Structural performance
psf	Pressure measurement = Pounds per square foot (Lbs./ft²)
cfm/ft ²	Air Infiltration measurement expressed in Cubic Feet / Minute / Square Foot of window
Single	Indicates a single unit was tested to achieve the results
2-Wide CJ	Indicates window is a 2-Wide unit made in a Common Jamb configuration
3-Wide CJ	Indicates window is a 3-Wide unit made in a Common Jamb configuration
2-Lite	Indicates a 2-Lite window configuration on windows that can be 2 or 3 lites
3-Lite	Indicates a 3-Lite window configuration on windows that can be 2 or 3 lites

Performance Class:

R = Residential	≥DP15
LC = Light Commercial	≥DP25
CW = Commercial	≥DP30

Product Type:

H = Single or Double Hung window
AP = Awning Projected Window
C = Casement Window
F = Fixed Window
HS = Horizontal Slider Window
DAW = Dual Action Window
SD = Sliding Door
SHD = Side Hinged Door



[^] DP50 Package Required

