

Value™
WINDOWS & DOORS

GS™ VINYL WINDOWS & DOORS
SERIES GX-2300

FOR REPLACEMENT AND
NEW CONSTRUCTION APPLICATIONS

SERIES GS-2300

GREEN SOUND SECURITY



OUR MISSION, VISION AND VALUES

Since 2005, *Value Windows and Doors Inc*, a family owned corporation, has focused on building new fenestration products that are within reach without compromising on quality. We have successfully developed long term relationships with our customers and will continue to deliver superior *quality* windows and doors; provide exceptional customer *service* and pursue business through *innovation* and advanced technology.

Our company's vision is to be the industry leader by leveraging our German-inspired Resource Planning System alongside our commitment to advancing automation to efficiently bring innovative and on time delivery of products to our customers. Our active and energetic CEO has traveled extensively and exchanged ideas with reputable window and door manufacturers as well as various hardware suppliers all over the world with the goal of continuously introducing innovations to our products that will change the landscape of the industry.

We will continually strive to be a leader and a key player in the window and door industry by providing enhanced services that exceed expectations, build strong relationships and profitability to our esteemed customers whom we consider as business partners.

We believe in treating our customers with respect and faith. We grow through creativity, intervention, and innovation. We incorporate honesty, loyalty, integrity and business ethics into all aspects of our business functions. Backed by a strong and solid engineering team, continued innovation of all our existing and future products, and a commitment to the pursuit of excellence in product designs and customer service; rest assured that Value Windows and Doors Inc has the ability to serve all your replacement and new construction projects.

PROUDLY MADE
IN THE USA

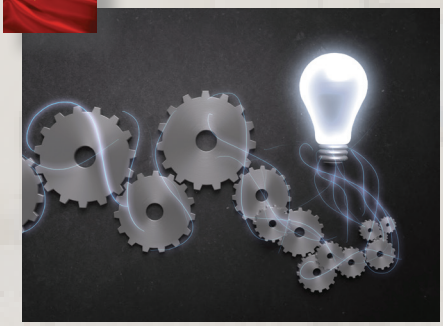


OUR HIGH QUALITY FOUNDATION

GLOBAL RESOURCES | CONSISTENT SUPPORT



FENESTRATION DESIGN CONCEPTS
SOFTWARE “ERP” SYSTEM
AUTOMATION EQUIPMENT



ENTREPRENEURSHIP AND INGENUITY



MANUFACTURING HEADQUARTERS

CONSISTENT SUPPORT

GLOBAL RESOURCES



OUR TEAM



At Value, we control every step of the design process to ensure that each product we manufacture is of the highest quality.

The creativity of our international and interdisciplinary team of professionals with lengthy experience in the fenestration industry assures that all our windows and patio doors provide solutions for a variety of architectural needs.

STATE OF THE ART TECHNOLOGY, LOCAL MANUFACTURING & SERVICE







GS FAMILY OF WINDOWS & DOORS
SERIES GX-2300

Galaxy Windows and Doors Series GX-2200 add function and Beauty to any project. Designed to integrate modern window technology with clean beautiful lines, all while staying budget friendly. A modern beveled frame creates added thickness and multiple chambered airspace that increases thermal efficiencies. The increased frame width allows for ¾" glass units containing state of the art glass technology.

FPO

Cardinal 366 glass comes standard with argon filled interior. So, whether your looking to upgrade the aesthetics of your building or reduce your cooling and heating bills with the latest in thermal technology Galaxy Series is the perfect fit for any project.



YELLOW VINYL

Choosing cheap vinyl has a consequence. Reducing the cost of vinyl by using or not using certain ingredients can lead to yellowing or failure of the window.

NOT ALL VINYL IS THE SAME

Not all vinyl is the same. Many factors go into the quality of vinyl, that is why value uses its proprietary extrusion. Only 100% u-PVC should be used in the formulation of a vinyl window the U denotes that the material is unplasticised polyvinyl chloride. Many lesser windows will use plasticizers in their compounds which are cheaper to use but soften the material which reduces the material's strength causing warping, bending, or failure in the future. Another key to vinyl formulation is the additive of light(UV) and weathering stabilizers.

Nobody wants a yellow window or one that will crack and become susceptible to the elements. To prevent this Value uses the optimal amount of the UV and weather stabilizer titanium dioxide. All Value vinyl compounds must past accelerated weather and UV tests before being certified market ready. Next is the addition of impact modifiers. Many companies forgo this step which reduces the durability of the vinyl and can even lead to weaker welding joints. Not all vinyl is the same, make sure you know the difference and insure your home's integrity.



GS SLIDING PATIO DOOR CORNER



LoĒ³-366 GLASS + DURALITE SPACER + ARGON GAS FILL

ENHANCED GLASS PERFORMANCE

40% of a buildings energy loss is through Windows and Doors. With so much money flying out the window. It is imperative to place quality products in your building's openings. Typically, 75% of the exposed surface of a window and door is glass, and the temperature of the room-side of the glass directly affects the air temperature in the room. The better insulated the Window and Door glass, the more comfortable your room will be. Value Windows & Doors uses state of the art glass technology in all of its products reducing energy consumption and ensuring comfortable living.

enviro sealed windows™ and doors
Powered by Duralite®



All Value Series products feature Duralite spacers that provide maximum insulation between glass panels. Energy inside the home is kept where it should be, inside. Keep heat out during summer months and cold out during the winter.

- Composite laminating technology
- Polycarbonate spacer element, no metal
- A unique patented design
- Smooth surface appearance
- Black sight line
- Proven adhesive technology
- Superior argon gas retention
- Minimal compression required
- Lower conductivity polymeric warm edge spacer
- Improved condensation resistance
- Warmer edge of glass temperature

ARGON GAS FILL

When the temperature soars, ordinary glass just can't handle the heat. And tinted glass spoils the view. To solve this issue Value has partnered with Cardinal Glass to use LoĒ³-366, which has been specially formulated to reject the sun's heat without affecting the view. Its proprietary triple silver coating lets more light while keeping more heat out, so your home stays cool and comfortable. With the insertion of Argon gas in between double pane glass combinations Value offers the excellent efficiency in thermal control and cost savings for your home.

What's more, LoĒ³-366 provides exceptional fading protection as well. It blocks 95% of the sun's damaging ultraviolet rays (a leading cause of fading), so it will help your furniture, carpets, curtains and wood flooring stay beautiful for years to come.



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ENERGY PERFORMANCE TESTING, CERTIFICATION, AND LABELING

The National Fenestration Rating Council (NFRC) operates a voluntary program that tests, certifies, and labels windows, doors and skylights based on their energy performance ratings. Then NFRC label provides a reliable and standardized way to determine a window's energy properties and to compare products.

The NFRC label can be found on all Energy Star® qualified window, door, and skylight products, but ENERGY STAR bases its qualification not only on U-factor and solar heat gain coefficient (SHGC) ratings, described in the next page.





About Ratings
Heat Gain and Loss

Windows, doors, skylights can gain and lose heat through:

-Direct conduction through the glass or glazing, frame, and/or door
-The radiation of heat into a house (typically from the sun) and out of a house from room temperature objects, such as people, furniture, and interior walls
-Air leakage through and around them

These properties can be measured and rated according to the following energy performance characteristics:

U-factor is an indicator for how insulating your overall window is. The lower the U-Factor number, the more energy-efficient the window/door is. Especially important in colder climates.

Solar heat gain coefficient (SHGC) is the is the amount of heat the window absorbs, and transmits to the inside of your house. The lower the SHGC, the less solar heat it transmits and the greater its shading ability. A product with a high SHGC rating is more effective at collecting solar heat during the winter. A product with a low SHGC rating is more effective at reducing cooling loads during the summer by blocking heat gain from the sun. Your home's climate, orientation, and external shading will determine the optimal SHGC for a particular window, door, or skylight.

Air leakage is how much air is leaking into your house through the window when there is a pressure difference. Typically, drafty homes have high air leakage windows and doors. A product with a low air leakage rating is tighter sealing than one with a high air leakage rating.

Sunlight Transmittance

The ability of glazing in a window, door, or skylight to transmit sunlight into a home can be measured and rated according to the following energy performance characteristics:

Visible transmittance (VT) is how much visible light is going into your house through your window and door. A product with a higher VT transmits more visible light. VT is expressed as a number between 0 and 1. The VT you need for a window, door, or skylight should be determined by your home's daylighting requirements and/or whether you need to reduce interior glare in a space.

NOISE REDUCTION FOR PEACEFUL LIVING

Noise has an immense impact on our quality of life. The results are sleep loss and continuous stress that can cause permanent damage to our health. In todays fast paced world we are bombarded by noise from every direction. After a stressful day the sound of silence is a joy to behold. Make your home a place of serenity with windows engineered to significantly reduce the commotion of the outside world.



We have created a product that is double the sound insulation of traditional windows by engineering our products with noise dampening characteristics that are proven, effective protection from noise, creating a permanently pleasant atmosphere.



SOUND REDUCTION

Eliminating open gaps was a top priority in engineering. Euroteks Compression seal consists of a Frame and Sash that are compressed together when closed by gradual locking points that get tighter as the handle is locked. This compacts the rubber gasket eliminating the traditional space that is required with sliding and hung windows that need to slide past each other and use pile weather-stripping to operate. With no gaps for noise to penetrate we shifted our attention to cutting the transmission through the glass.

We achieved higher ratings by standardizing our glass units at 1'' as compared to 3/4" on traditional windows. The ability to increase or decrease spacing using variable glazing stops allows us to optimize air space with different glass options and thicknesses. Eurotek has the ability to change air space and glass unit width from 1"-1 5/8".

fpo

· This thicker glass package optimizes space to diminish sound and allows us to also alternate glass thickness between the 2 or 3 panes which further cuts down sound due to different glass thicknesses resonating at different frequencies.

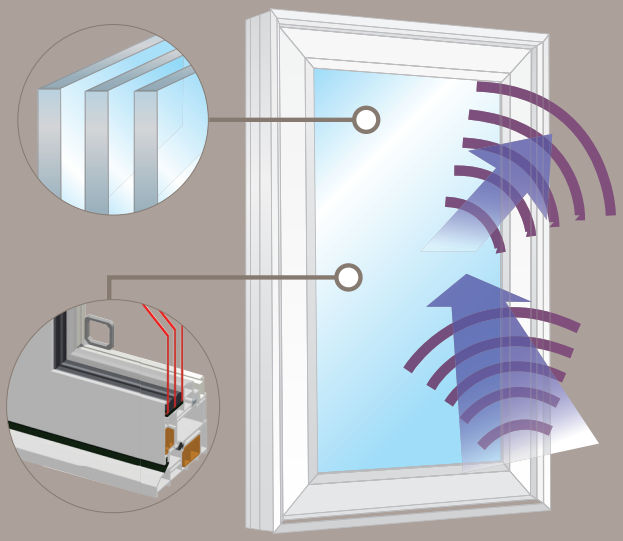
· Additional options like laminated glass can even further dampen sound by putting a layer of a more viscous material between two panes. In fact, a single pane of 1/4" laminated glass consisting of two 1/8" glass panes bonded to the plastic interlayer actually has as much sound blocking ability as a 1/2" pane of monolithic glass.

TECHNICAL NOTE

• Sound abatement is measured in STC or Sound Transmission Class. The higher the STC the better. An example of STC perception:

+/- 3 STC change is just perceptible
+/- 5 STC change is clearly audible
+/- 10 STC change is twice as loud





SERENITY
FEEL THE SILENCE & THE COMFORT

Being exposed to permanent, or even only to a short-term but intensive, noise, can lead to a harmful impact on human health. Thus, noise protection is an imperative. We can provide you with the best possible protection against unwanted negative noise effects.

Reduction of 10 dB (decibel) will reduce noise by 50 %

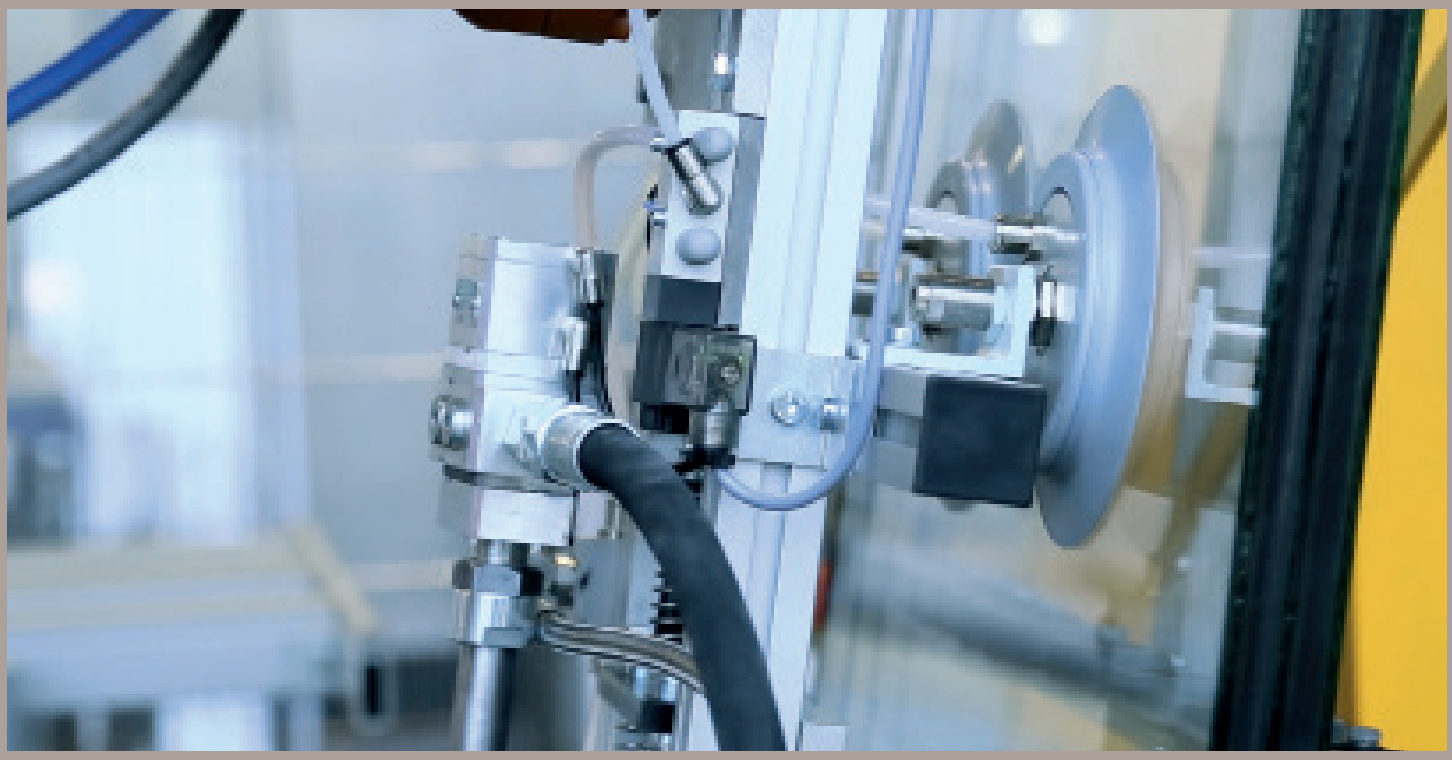
Open Window (heavy traffic) ~ 80 dB

Old Window (single glazed) ~ 60 dB

Standard Window (double glazed) ~ 48 dB

uPVC Window (70 Series) ~ 35 dB









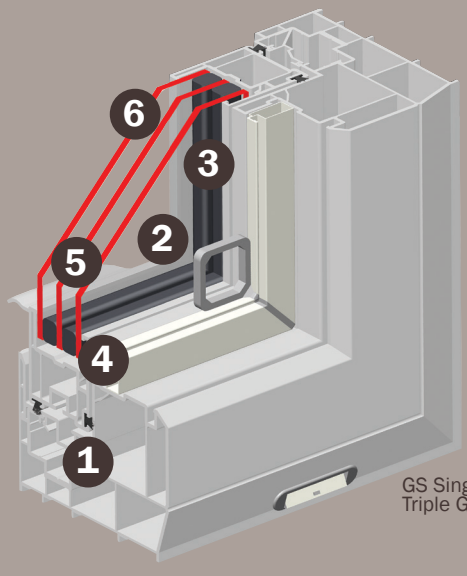


140 dB	Starting Aircraft
130 dB	
120 dB	
110 dB	Jackhammer
100 dB	
90 dB	Highway traffic
80 dB	Open Window
70 dB	
60 dB	Single glazed window
50 dB	Insulation glass
40 dB	Normal conversation
30 dB	uPVC Window
20 dB	
10 dB	Bedroom
0 dB	

SOUND INSULATION
For a better quality of life

Influencing Factors

1. Framing (Thickness & air chambers)
2. Glass type
3. Glass thickness
4. Gaskets, weather stripping (Compression seal)
5. Airspace gap
6. Presence of laminated products (Optional)



GS Single Hung window corner
Triple Glaze

GLASS

LOW ENERGY GLASS

Being exposed to permanent, or even only to a short-term but intensive, noise, can lead to a harmful impact on human health. Thus, noise protection is an imperative. We can provide you with the best possible protection against unwanted negative noise effects.

SOUND REDUCTION GLASS

Being exposed to permanent, or even only to a short-term but intensive, noise, can lead to a harmful impact on human health. Thus, noise protection is an imperative. We can provide you with the best possible protection against unwanted negative noise effects.

SAFETY GLASS

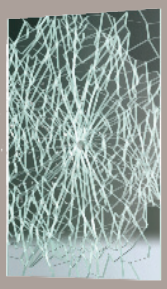
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Annealed Glass



Tempered Glass



Laminated Glass

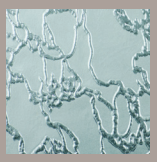
COLOR & PATTERN GLASS



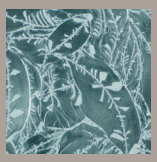
Bronze



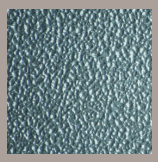
Gray



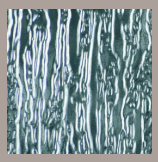
Delta Frost



Glue Chip



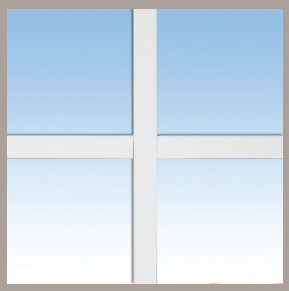
Obscure



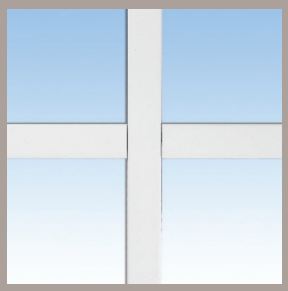
Rain

GRIDS

FLAT GRIDS

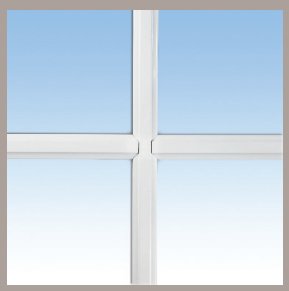


5/8”

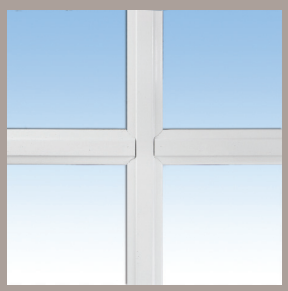


3/4”

SCULPTURED GRIDS



5/8”



1”

Grid patterns include, Marginal, Double Prairie, Colonial and custom designs for specific projects.

GS CASEMENT WITH OBSCURE GLASS





GS-2301 HORIZONTAL SLIDING WINDOW XO

Being exposed to permanent, or even only to a short-term but intensive, noise, can lead to a harmful impact on human health. Thus, noise protection is an imperative. We can provide you with the best possible protection against



GS-23__ DOUBLE HORIZONTAL SLIDING WINDOW XX

Being exposed to permanent, or even only to a short-term but intensive, noise, can lead to a harmful impact on human health. Thus, noise protection is an imperative. We can provide you with the best possible protection against



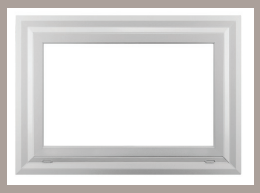
GS-23__ DOUBLE HUNG WINDOW DH

Being exposed to permanent, or even only to a short-term but intensive, noise, can lead to a harmful impact on human health. Thus, noise protection is an imperative. We can provide you with the best possible protection against



GS-2302 SINGLE HUNG WINDOW SH

Being exposed to permanent, or even only to a short-term but intensive, noise, can lead to a harmful impact on human health. Thus, noise protection is an imperative. We can provide you with the best possible protection against



GS-2306 PICTURE WINDOW PW

Being exposed to permanent, or even only to a short-term but intensive, noise, can lead to a harmful impact on human health. Thus, noise protection is an imperative. We can provide you with the best possible protection against unwanted negative



GS-23__ CASEMENT WINDOW C

Being exposed to permanent, or even only to a short-term but intensive, noise, can lead to a harmful impact on human health. Thus, noise protection is an imperative. We can provide you with the best possible protection against unwanted negative



GS-23__ AWNING WINDOW A

Being exposed to permanent, or even only to a short-term but intensive, noise, can lead to a harmful impact on human health. Thus, noise protection is an imperative. We can provide you with the best possible protection against unwanted negative noise







GS HORIZONTAL & DOUBLE HORIZONTAL SLIDING WINDOWS

Galaxy Windows and Doors Series GX-2200 add function and Beauty to any project. Designed to integrate modern window technology with clean beautiful lines, all while staying budget friendly. A modern beveled frame creates added thickness and multiple chambered airspace that increases thermal efficiencies. The increased frame width allows for ¾" glass units containing state of the art glass technology.

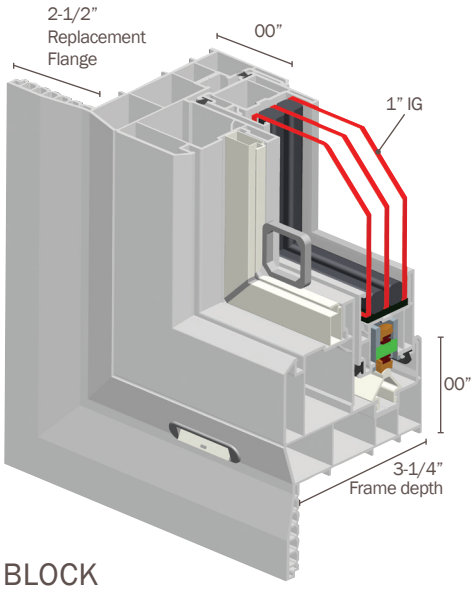
FPO

Cardinal 366 glass comes standard with argon filled interior. So, whether your looking to upgrade the aesthetics of your building or reduce your cooling and heating bills with the latest in thermal technology Galaxy Series is the perfect fit for any project.

FRAME TYPES

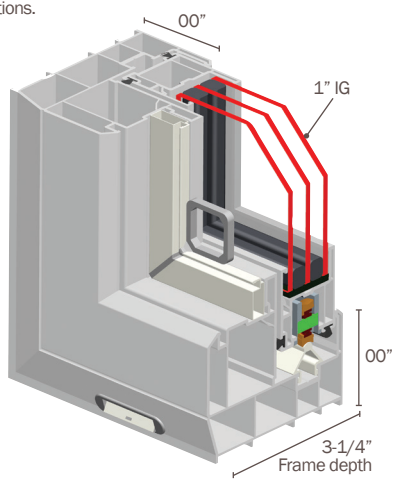
RETROFIT

For replacement applications. This frame type allows convenient installation without the need to break stucco.



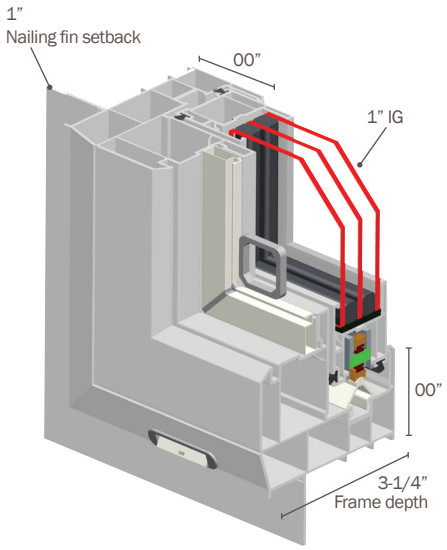
BLOCK

Block frame is suitable for some replacement and new construction applications.



NAIL-ON

Nail-on frame allows for targeted installation in new construction applications and is available in 1" and 1-3/8" setback.



HORIZONTAL SLIDING WINDOWS FEATURES & BENEFITS

Easy operation
Dual metal rollers are durable and help insure smooth openings and closings.

A tight seal
Value's multiple weather-strips give you protection against air infiltration

Simple to clean
Sliding sash can be removed to clean exterior glass from inside your home

Design
Elegant beveled frame design with multiple glass, grid, and configurations available

Security
Auto locks insure that every time you close the window your home is sealed, giving you security and peace of mind

Structural Integrity
The mechanically fastened joints of aluminum frames may admit air and water. Fusion-welded uPVC joints create an impervious seal.

Maintenance
Unlike aluminum and wood, uPVC is virtually maintenance free. It never needs paint, and requires only an occasional wash and wipe to clean.

Weatherability
Metals can corrode from exposure to weather and pollution. uPVC is naturally resistant to moisture and atmospheric pollutions such as acids, alkalis and salt air making it the prefect material to stand the test of time.

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.

STANDARD COLORS

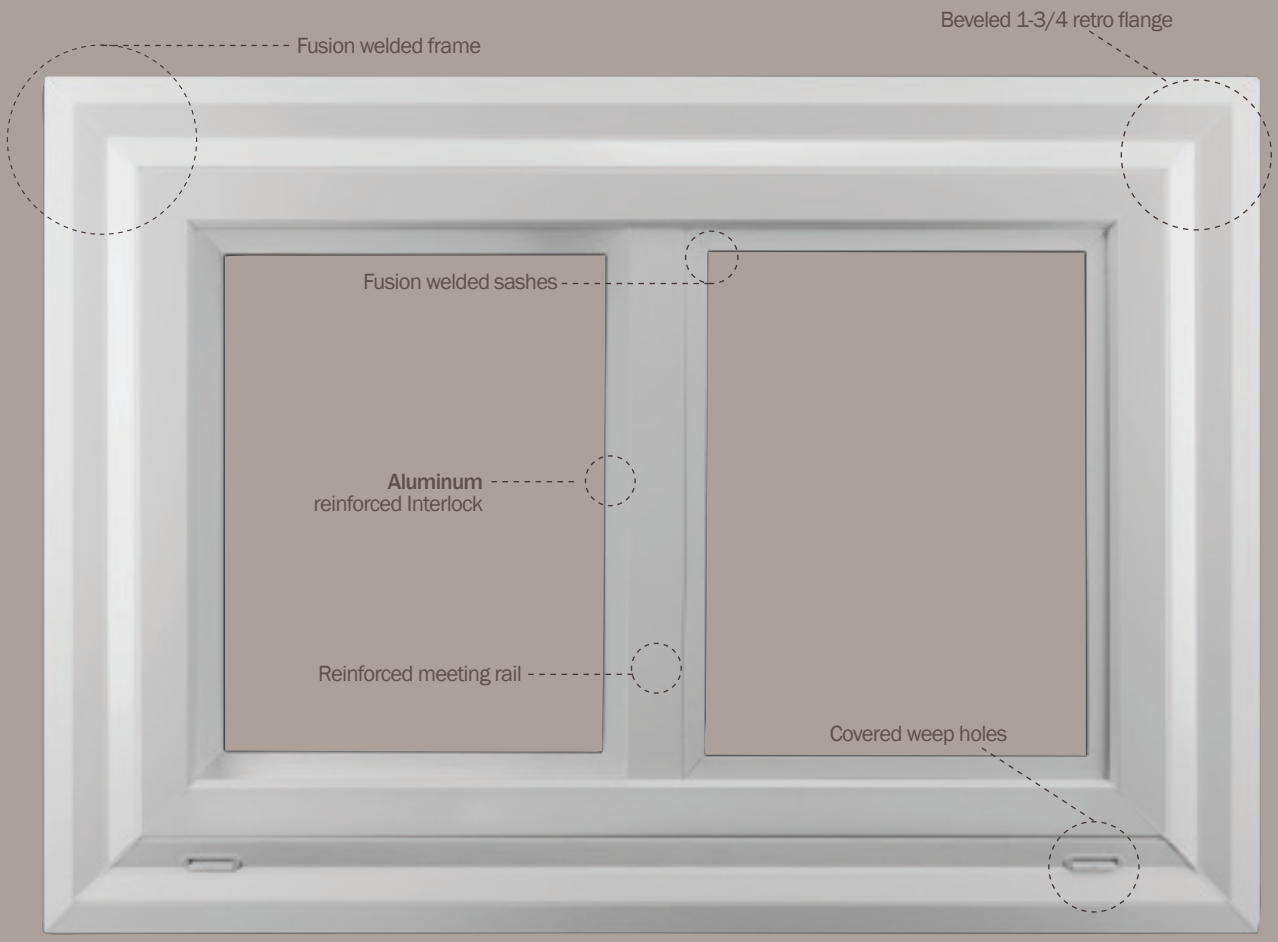
White

Almond

Options

- Standard and custom sizes
- Factory stacking and mulling options in many different combinations
- AAMA and NFRC certified to meet or exceed industry structural and energy efficiency standards
- May be ordered to meet ENERGYSTAR® requirements
- Lifetime Warranty includes glass breakage

EXCEPTIONAL DESIGN



GS XO OUTSIDE VIEW

KEY FEATURES

• Even Sightlines • Duaralite warm edge spacer with no metal components
• Steel reinforced sashes • Steel reinforced interlock • Multi-chamber extruded vinyl

THERMAL, STRUCTURAL, & SOUND PERFORMANCE

GS Horizontal Sliding Windows XO				Thermal Performance					Structural Performance	Sound Transmission Class
Glazing				Grids	U Factor	SHGC	VT	CR Condensation Resistance		
Triple	2.2 mm LoE3	2.2 mm Clear	2.2 mm LoE3	None	0.19	.18	.35	CR 67	**Class LC-35** Size tested 72 x 59”	**STC 34** 1” IG [1/8” annealed exterior, 5/8” air space, 1/4” laminated interior]
				3/4 -5/8”		.16	.31			
				>1”		.15	.27			

As tested with LoE3 glass, Duralite Spacer and Argon gas filled combined with clear glass.



GS XO INSIDE VIEW



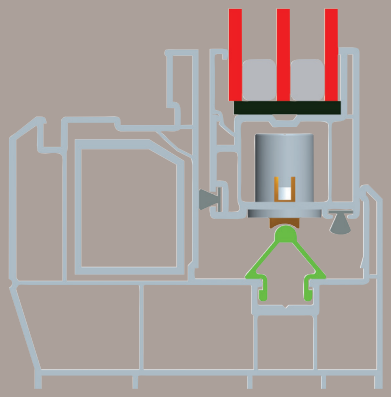
VENT LATCH OPERATION

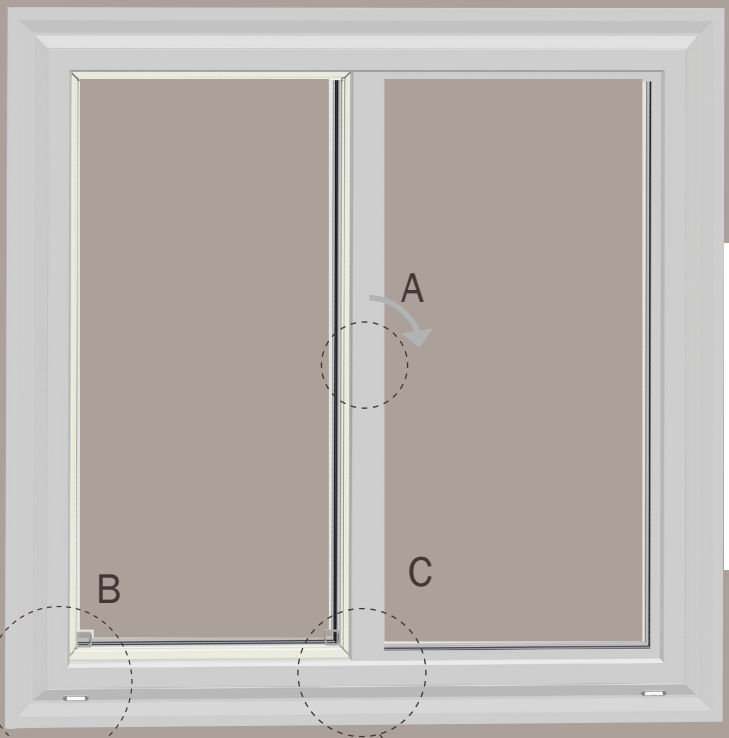


Vent latch enlarged view

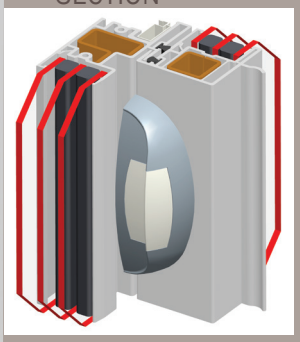
GS XO WINDOW
HORIZONTAL SLIDER WINDOW

GS HORIZONTAL SLIDER CROSS SECTION

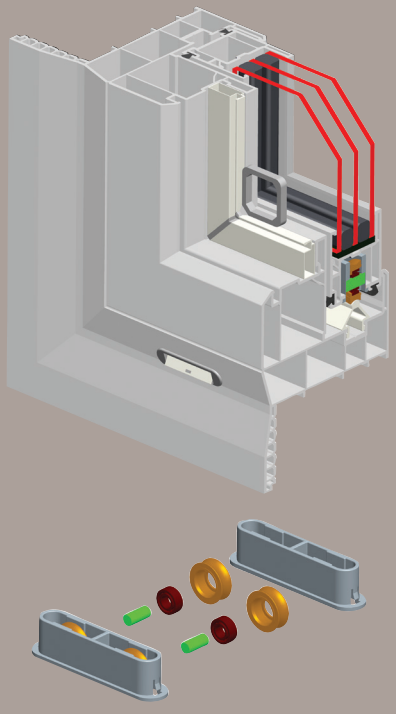




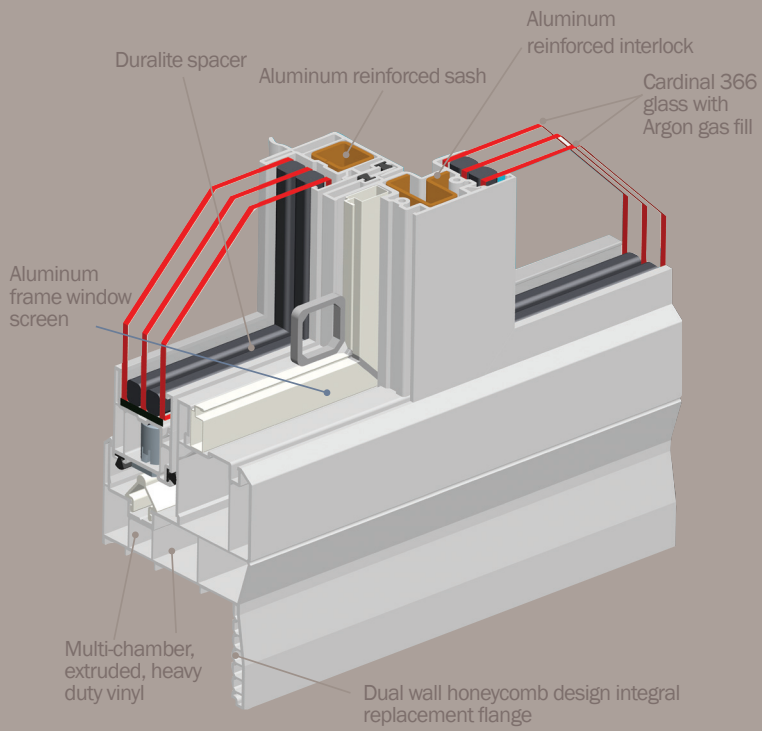
A GS HORIZONTAL SLIDER CROSS SECTION



B GS HORIZONTAL SLIDER BOTTOM CORNER



C GS HORIZONTAL SLIDER CROSS SECTION

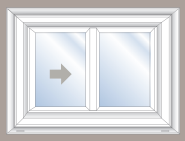




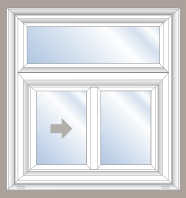
TWO PANEL SLIDING WINDOWS

Both XO and OX sliding windows with one or two top or bottom picture windows and double XO or OX windows are available.

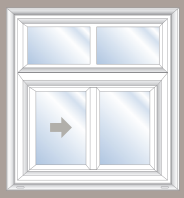
XO or OX



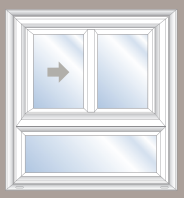
XO or OX T1



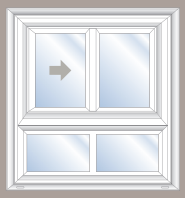
XO or OX T2



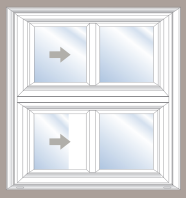
XO or OX B1



XO or OX B2



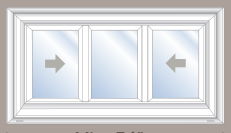
XO2



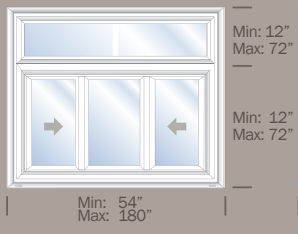
THREE PANEL SLIDING WINDOWS

All three panel GS sliding windows, XOX, XOO, OOX, and OXO are available with one, two or three top or bottom picture windows, as shown in the XOX combination units. Double XOX windows (XOX2) are also available.

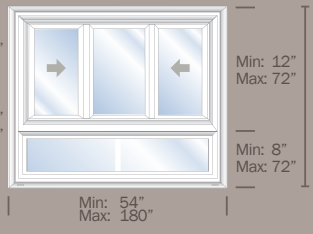
XOX



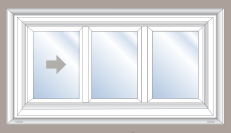
XOX T1



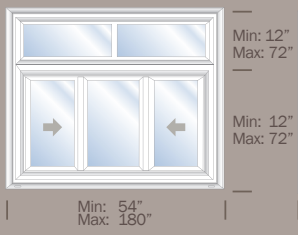
XOX B1



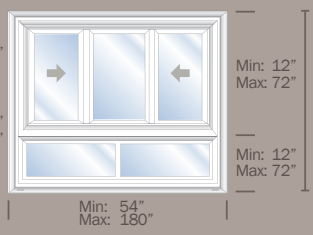
XOO



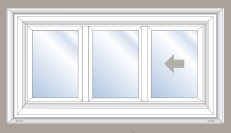
XOX T2



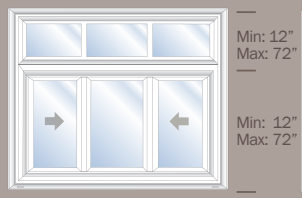
XOX B2



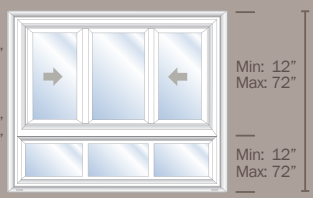
OOX



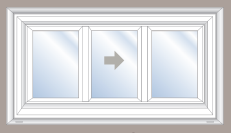
XOX T3



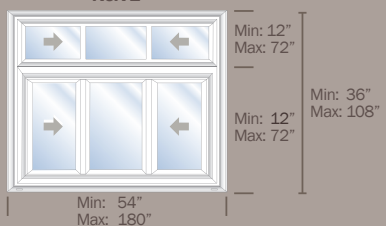
XOX B3



OXO



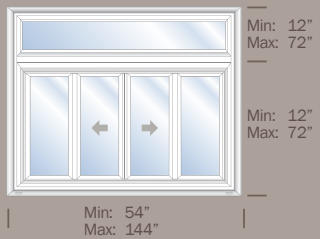
XOX 2



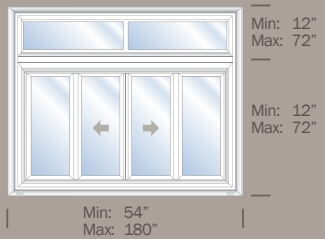
FOUR PANEL SLIDING WINDOWS

Four panel sliding windows OXXO are available with one, two or three pictures windows on top or bottom. Double OXXO windows are also available.

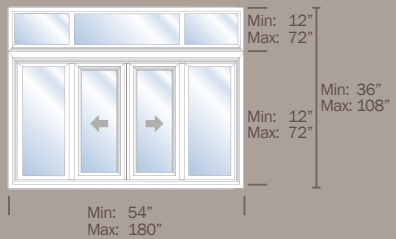
OXXO T1



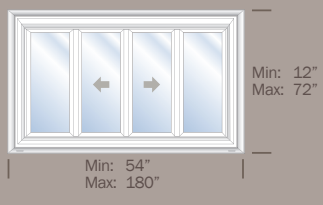
OXXO T2



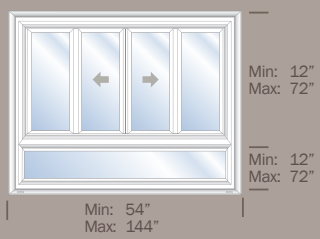
OXXO T3



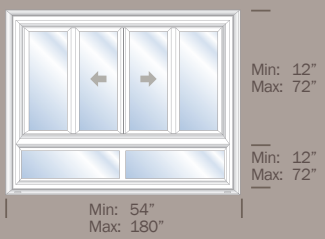
OXXO



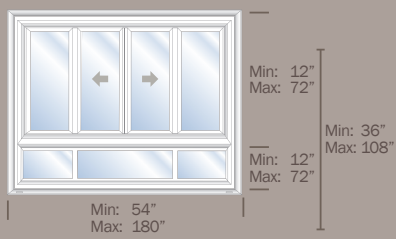
OXXO B1



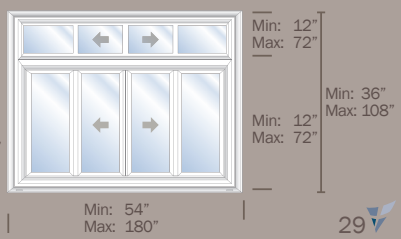
OXXO B2



OXXO B3



OXXO 2









GS DOUBLE HORIZONTAL SLIDING WINDOWS

Galaxy Windows and Doors Series GX-2200 add function and Beauty to any project. Designed to integrate modern window technology with clean beautiful lines, all while staying budget friendly. A modern beveled frame creates added thickness and multiple chambered airspace that increases thermal efficiencies. The increased frame width allows for ¾" glass units containing state of the art glass technology.

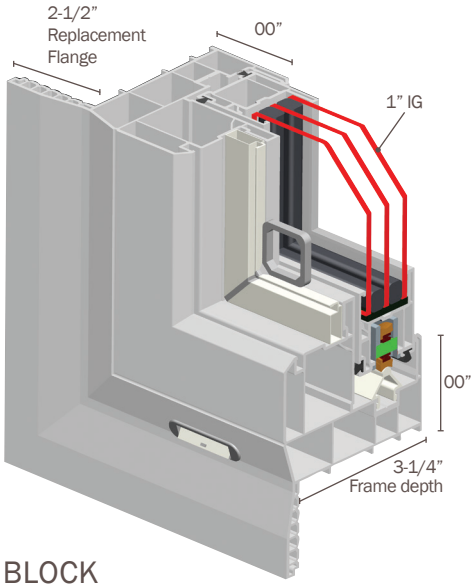
FPO

Cardinal 366 glass comes standard with argon filled interior. So, whether your looking to upgrade the aesthetics of your building or reduce your cooling and heating bills with the latest in thermal technology Galaxy Series is the perfect fit for any project.

FRAME TYPES

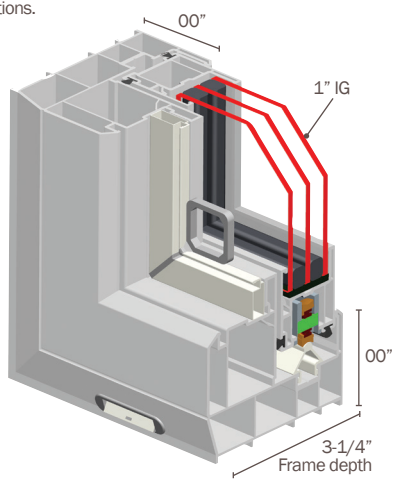
RETROFIT

For replacement applications. This frame type allows convenient installation without the need to break stucco.



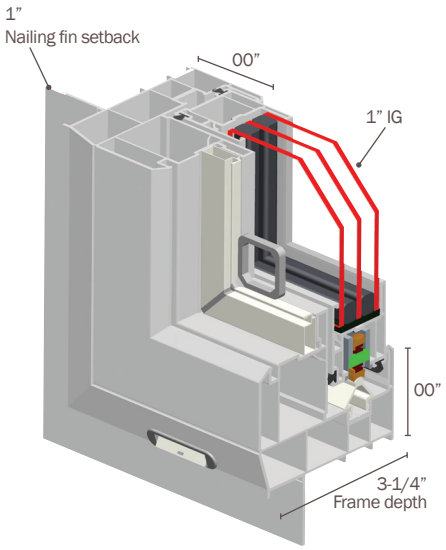
BLOCK

Block frame is suitable for some replacement and new construction applications.



NAIL-ON

Nail-on frame allows for targeted installation in new construction applications and is available in 1" and 1-3/8" setback.



DOUBLE HORIZONTAL SLIDING WINDOWS FEATURES & BENEFITS

Easy operation
Dual metal rollers are durable and help insure smooth openings and closings.

A tight seal
Value's multiple weather-strips give you protection against air infiltration

Simple to clean
Sliding sash can be removed to clean exterior glass from inside your home

Design
Elegant beveled frame design with multiple glass, grid, and configurations available

Security
Auto locks insure that every time you close the window your home is sealed, giving you security and peace of mind

FPO

Structural Integrity
The mechanically fastened joints of aluminum frames may admit air and water. Fusion-welded uPVC joints create an impervious seal.

Maintenance
Unlike aluminum and wood, uPVC is virtually maintenance free. It never needs paint, and requires only an occasional wash and wipe to clean.

Weatherability
Metals can corrode from exposure to weather and pollution. uPVC is naturally resistant to moisture and atmospheric pollutions such as acids, alkalis and salt air making it the prefect material to stand the test of time.

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.

STANDARD COLORS

White

Almond

Options

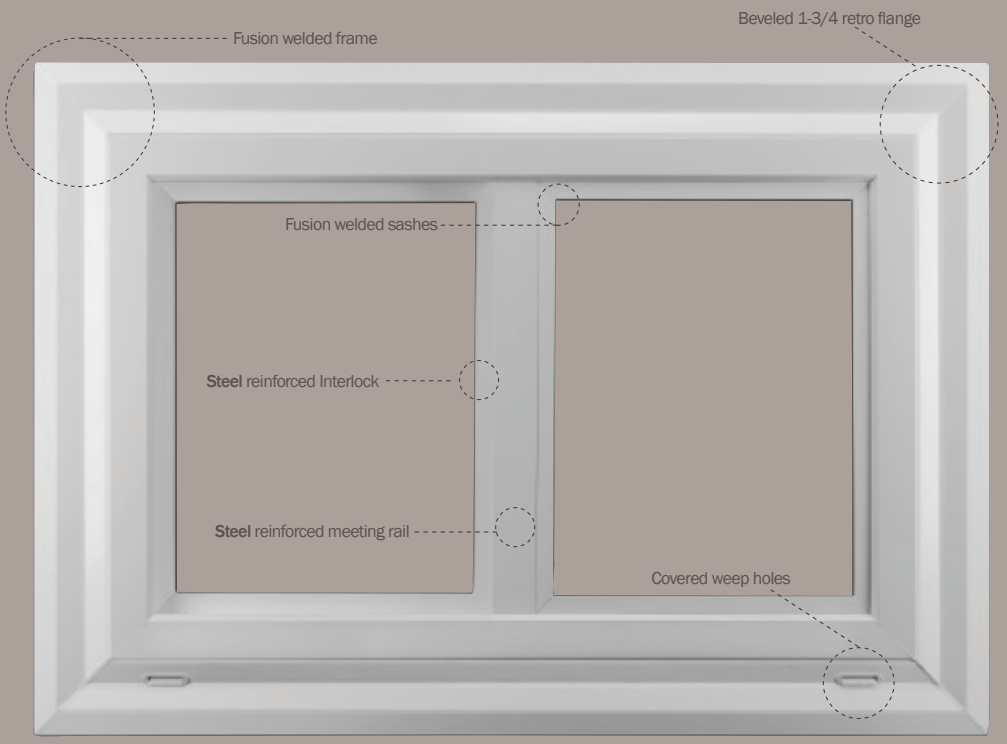
- Standard and custom sizes
- Factory stacking and mulling options in many different combinations
- AAMA and NFRC certified to meet or exceed industry structural and energy efficiency standards
- May be ordered to meet ENERGYSTAR® requirements
- Lifetime Warranty includes glass breakage



KEY FEATURES

- Even Sightlines
- Duaralite warm edge spacer with no metal components
- Steel reinforced sashes
- Steel reinforced interlock
- Multi-chamber extruded vinyl

OUTSTANDING DESIGN



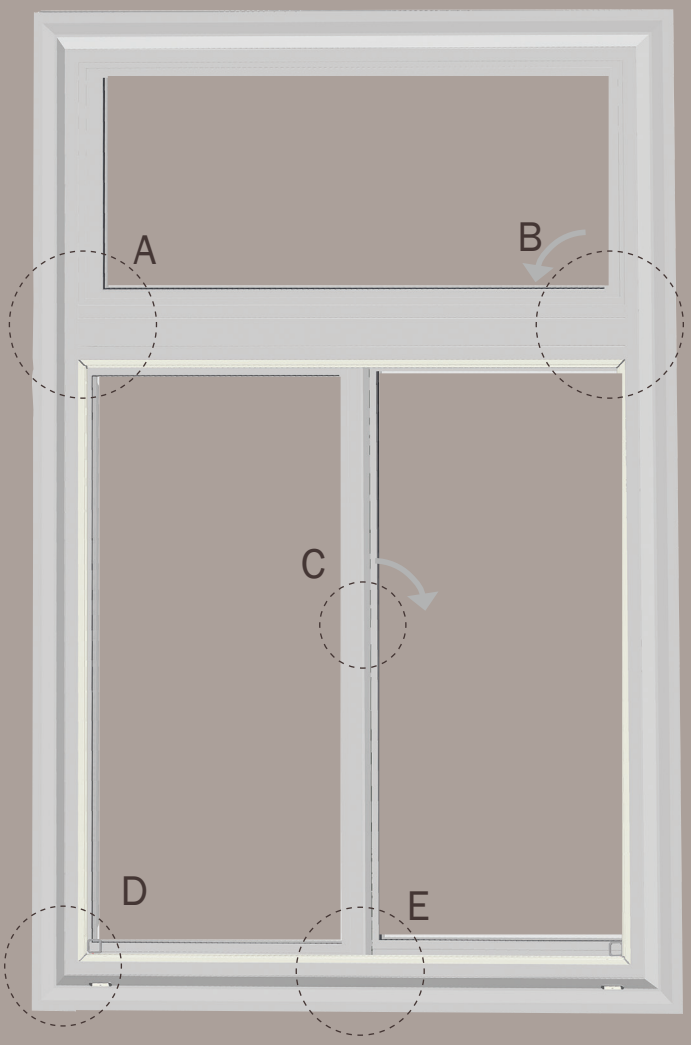
GS XX OUTSIDE VIEW

THERMAL, STRUCTURAL, & SOUND PERFORMANCE

GS Horizontal Sliding Windows XX				Thermal Performance					Structural Performance
Glazing				Grids	U Factor	SHGC	VT	CR Condensation Resistance	
Triple	2.2 mm LoE3	2.2 mm Clear	2.2 mm LoE3	None	0.21	.18	.36	CR 68	**Class LC PG-25** Size tested 72 x 56"
				3/4-5/8"		.17	.32		
				>1"		.14	.28		
				Size tested 59 x 47-1/4"					

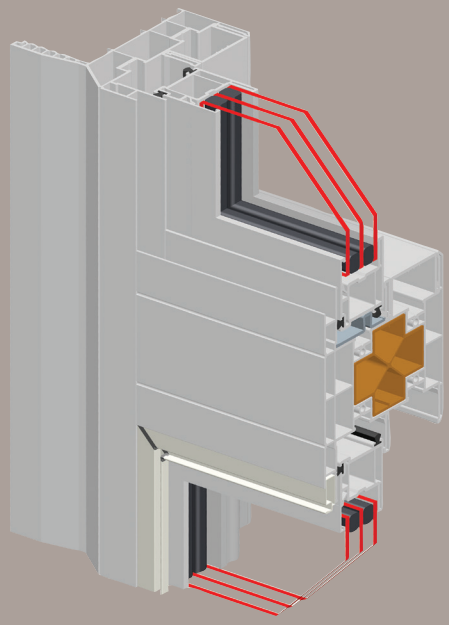
As tested with LoE3 glass, Duralite Spacer and Argon gas filled combined with clear glass.

GS XX T1 WINDOW
DOUBLE SLIDER WITH ONE PICTURE WINDOW ON TOP



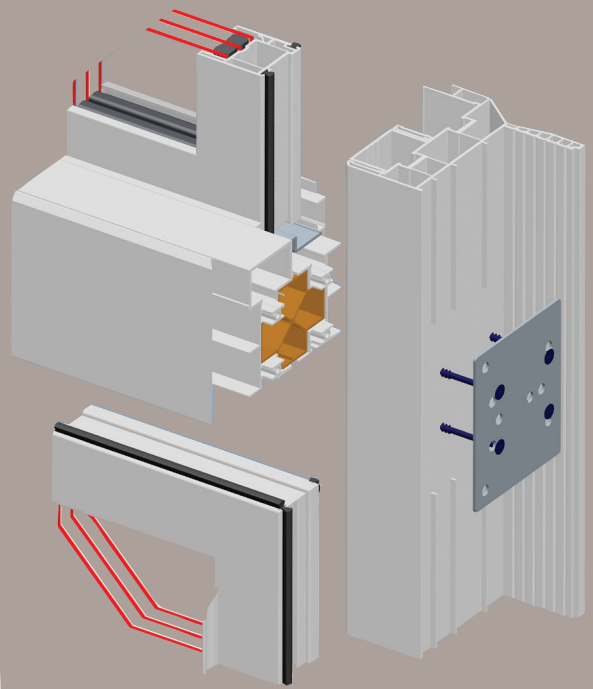
A GS HORIZONTAL SLIDER CROSS SECTION

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.



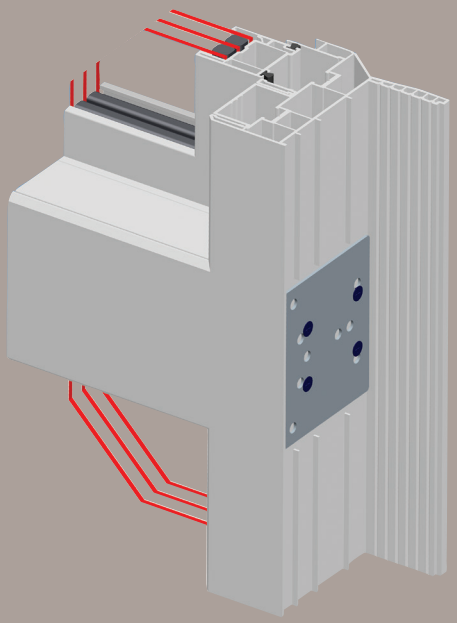
B-1 GS HORIZONTAL SLIDER CROSS SECTION

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi-chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.



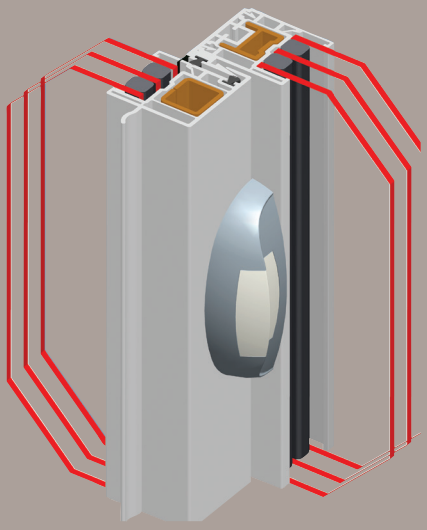
B-2 GS HORIZONTAL SLIDER CROSS SECTION

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.

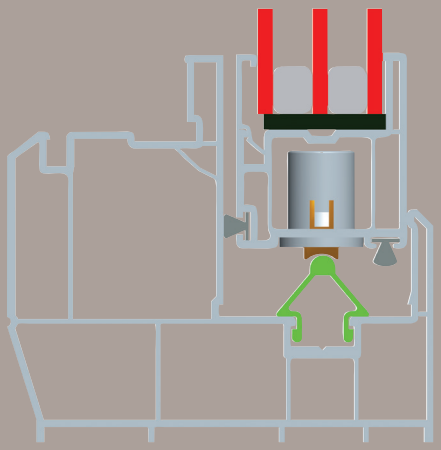


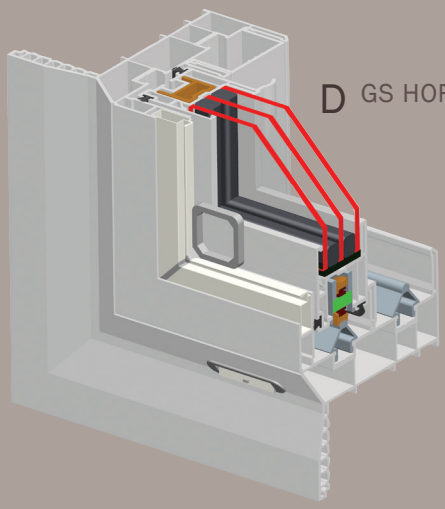
C GS HORIZONTAL SLIDER CROSS SECTION

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.

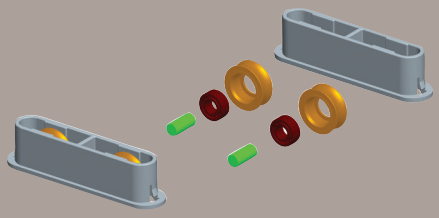


GS DOUBLE HORIZONTAL SLIDER CROSS SECTION



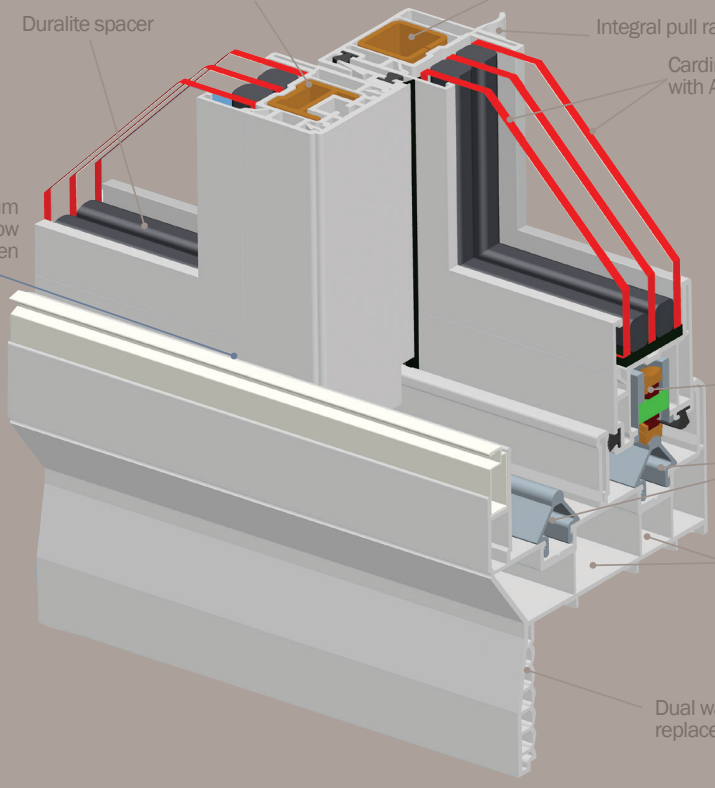


D GS HORIZONTAL SLIDER BOTTOM CORNER



Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.

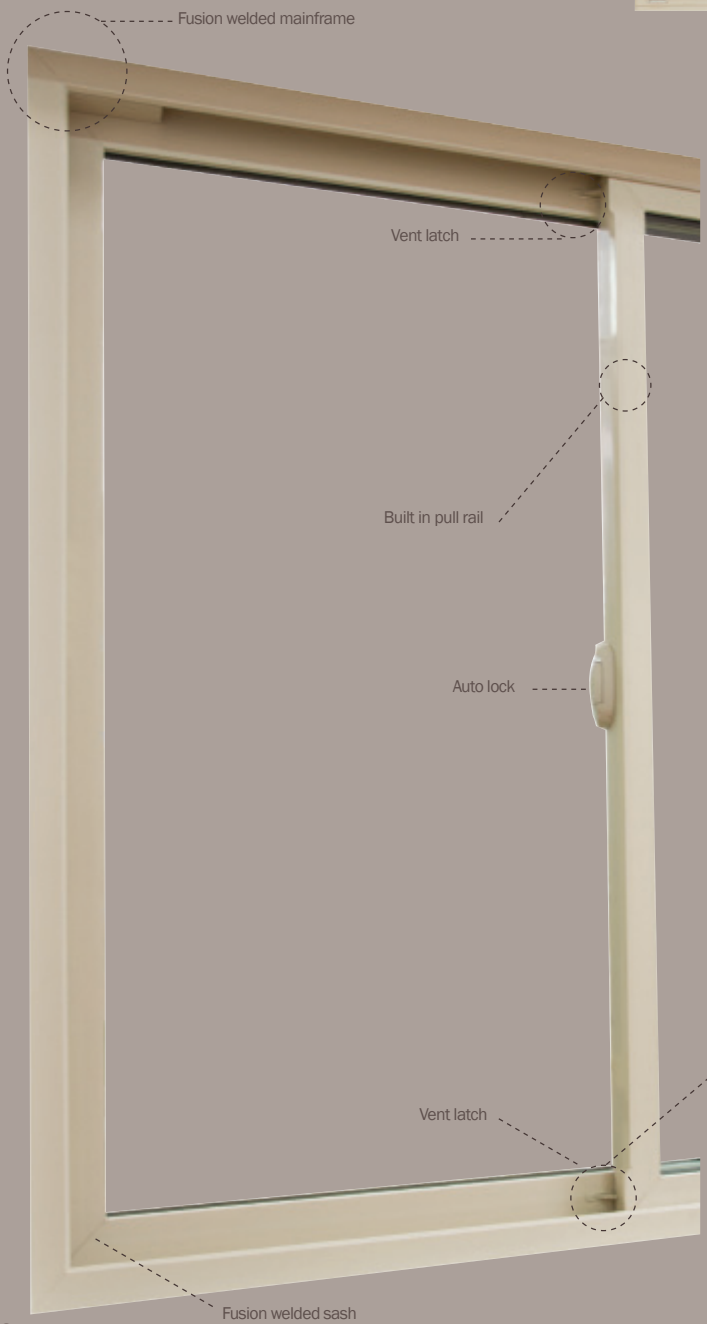
E GS DOUBLE HORIZONTAL SLIDER CROSS SECTION



LOREM IPSUM
DOLOR SIT AMET, NSECTETUR



GS XX BLOCK FRAME OUTSIDE VIEW



VENT LATCH OPERATION

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.



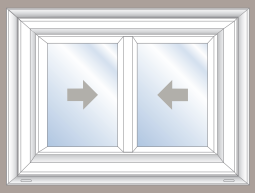
Vent latch enlarged view





XX B2 DOUBLE HORIZONTAL SLIDING WINDOWS WITH TWO PICTURE WINDOWS ON BOTTOM

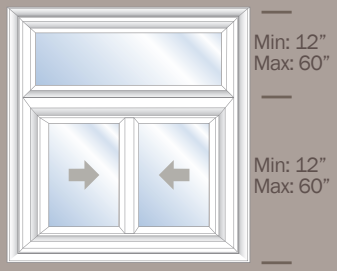
XX



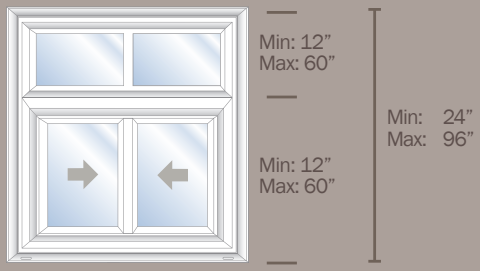
DOUBLE HORIZONTAL SLIDING WINDOWS STYLING

XX sliding windows are available with one or two top or bottom picture windows. Also available, twin stacked double sliding windows XX2.

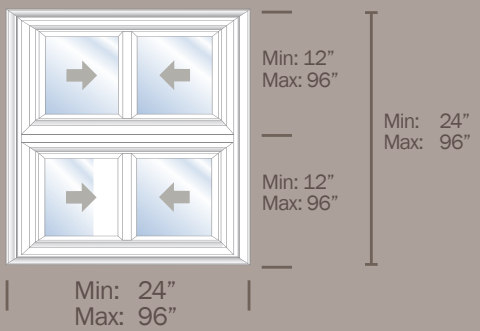
XX T1



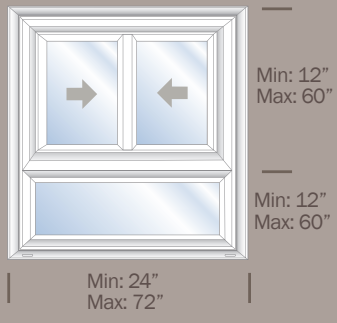
XX T2



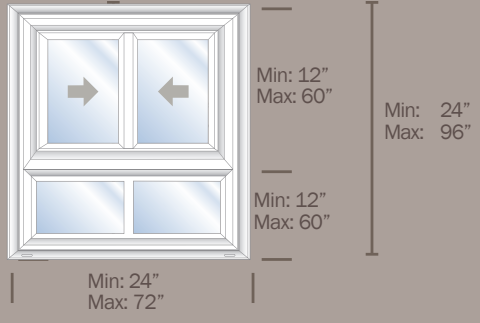
XX2



XX B1



XX B2



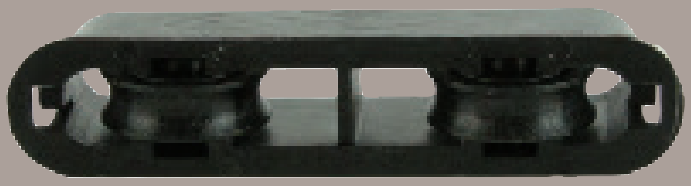


GS SLIDING WINDOW PANEL

BEARING WINDOW ROLLERS

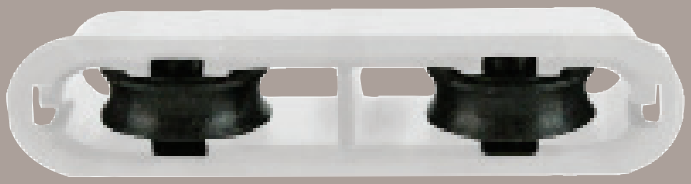
GS' exclusive Nylon composite bearing rollers design allows them to hold securely even the heaviest insulated glass units, like the triple glaze or those featuring laminated glass, at the largest sizes with minimal effort.

The use of these heavy-duty rollers protects the sash and prevents its failure by providing stability and support. The nylon composite material provides for a much quieter movement as compared to standard metal rollers and has long-lasting durability.



GS SLIDING WINDOW ROLLER





GS SLIDING WINDOW ROLLER HOUSING IN WHITE TO SHOW THE WHEELS

AUTO-LOCK BY INTERLOCK ASAA ABLOY

GS Windows feature the original European inspired automatic sash lock by Interlock ASAA ABLOY, specialists in innovative hardware solutions for the window and door industry around the world.

- *Matching the vinyl color with a removable cover*
- *Features robust dual hooks for superior forced entry resistance*
- *Effortless long lasting performance*

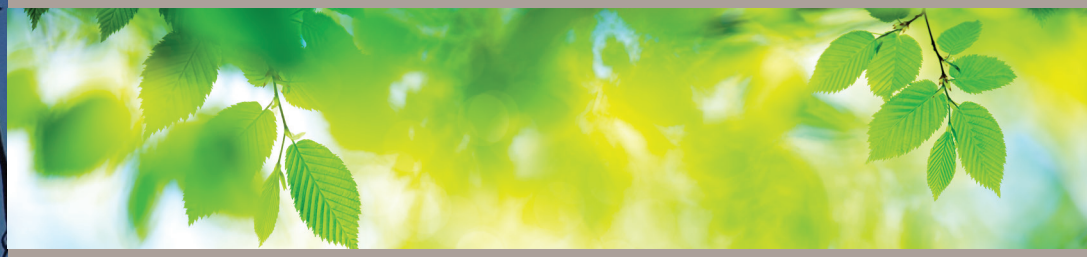




GS XO INSIDE VIEW







GS DOUBLE HUNG WINDOWS

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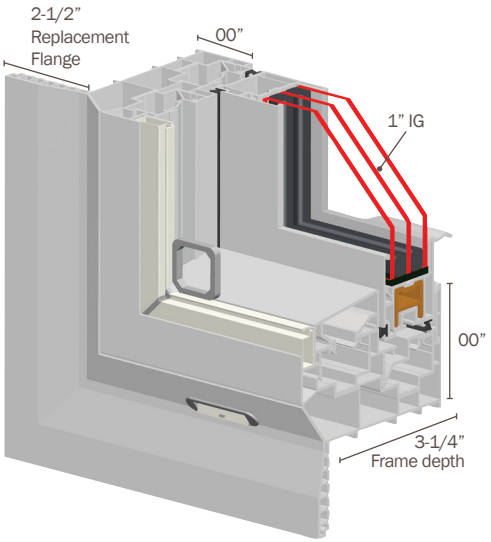
FPO

Cardinal 366 glass comes standard with argon filled interior. So, whether your looking to upgrade the aesthetics of your building or reduce your cooling and heating bills with the latest in thermal technology Galaxy Series is the perfect fit for any project.

FRAME TYPES

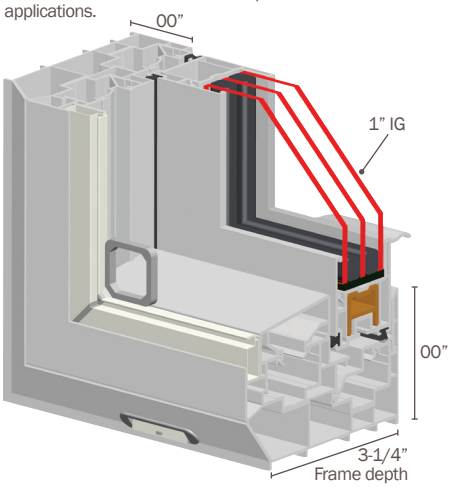
RETROFIT

For replacement applications. This frame type allows convenient installation without the need to break stucco.



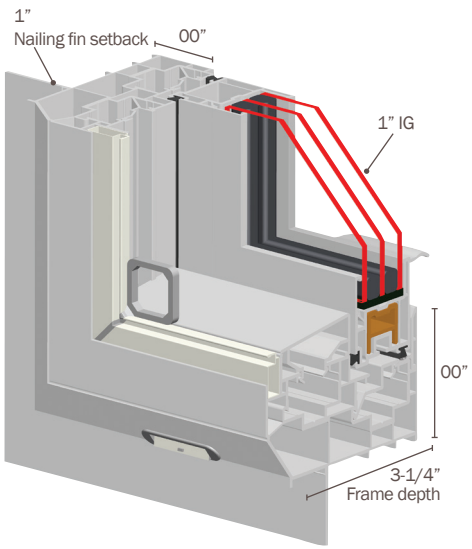
BLOCK

Block frame is suitable for some replacement and new construction applications.



NAIL-ON

Nail-on frame allows for targeted installation in new construction applications and is available in 1" and 1-3/8" setback.



DOUBLE HUNG WINDOWS FEATURES & BENEFITS

Easy operation
Dual metal rollers are durable and help insure smooth openings and closings.

A tight seal
Value's multiple weather-strips give you protection against air infiltration

Simple to clean
Sliding sash can be removed to clean exterior glass from inside your home

Design
Elegant beveled frame design with multiple glass, grid, and configurations available

Security
Auto locks insure that every time you close the window your home is sealed, giving you security and peace of mind

FPO

Structural Integrity
The mechanically fastened joints of aluminum frames may admit air and water. Fusion-welded uPVC joints create an impervious seal.

Maintenance
Unlike aluminum and wood, uPVC is virtually maintenance free. It never needs paint, and requires only an occasional wash and wipe to clean.

Weatherability
Metals can corrode from exposure to weather and pollution. uPVC is naturally resistant to moisture and atmospheric pollutions such as acids, alkalis and salt air making it the prefect material to stand the test of time.

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.

STANDARD COLORS

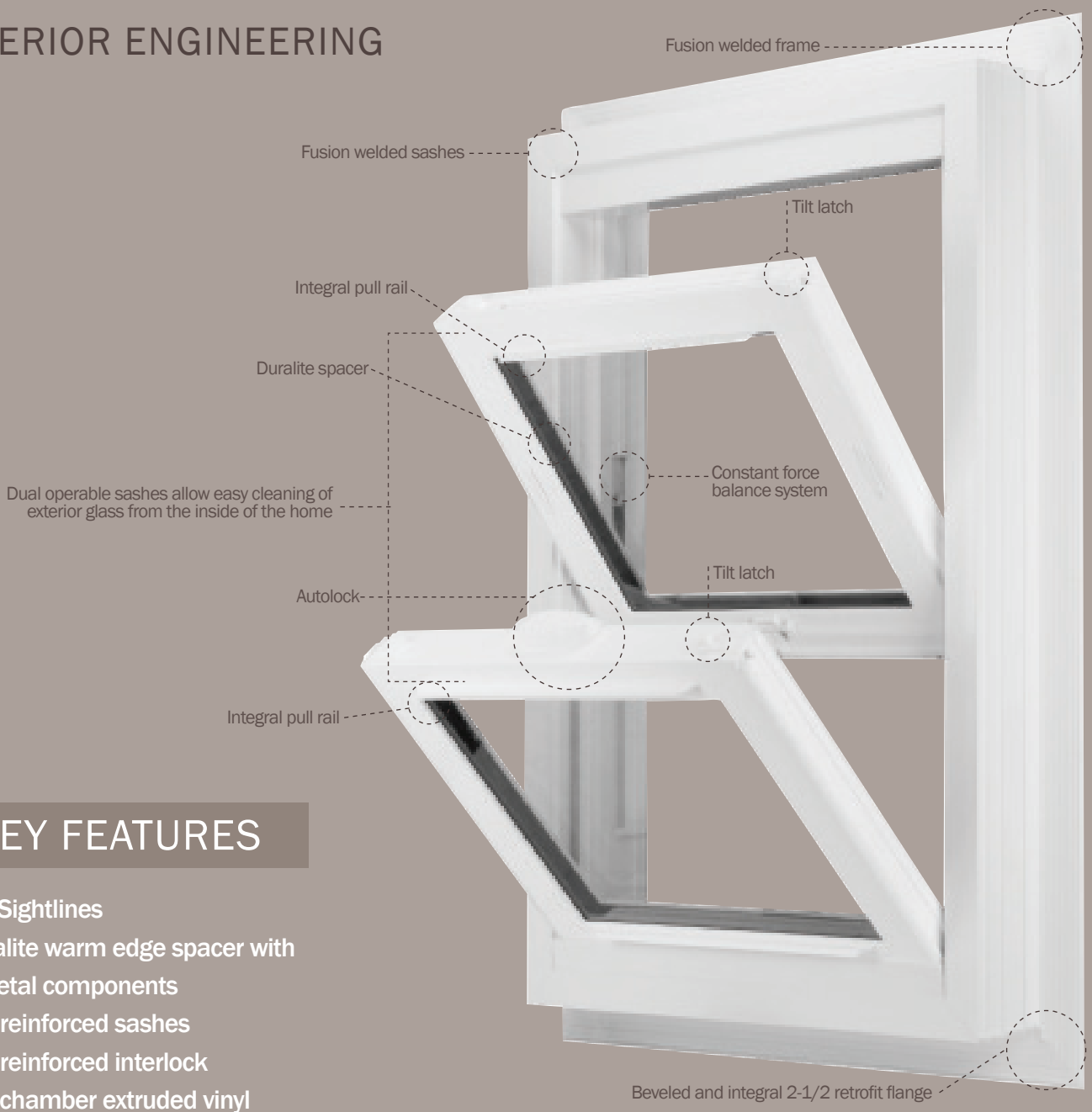
White

Almond

Options

- Standard and custom sizes
- Factory stacking and mulling options in many different combinations
- AAMA and NFRC certified to meet or exceed industry structural and energy efficiency standards
- May be ordered to meet ENERGYSTAR® requirements
- Lifetime Warranty includes glass breakage

SUPERIOR ENGINEERING



GS DH INSIDE VIEW

KEY FEATURES

- Even Sightlines
- Duaralite warm edge spacer with no metal components
- Steel reinforced sashes
- Steel reinforced interlock
- Multi-chamber extruded vinyl

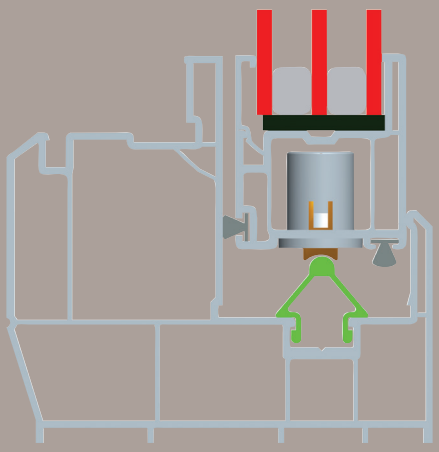
THERMAL, STRUCTURAL, & SOUND PERFORMANCE

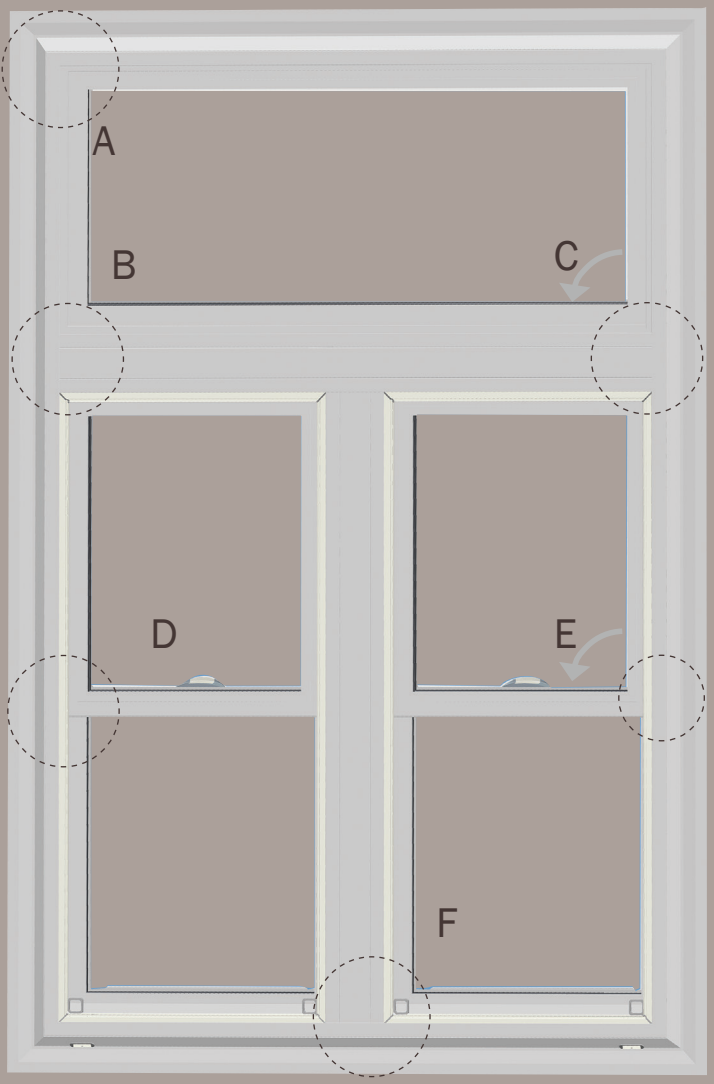
GS Double Hung Windows DH				Thermal Performance					Structural Performance	Sound Transmission Class
Glazing				Grids	U Factor	SHGC	VT	CR Condensation Resistance		
Triple	2.2 mm LoE3	2.2 mm Clear	2.2 mm LoE3	None	0.21	.18	.34	CR 70	**Class LC R-20** Size tested 43-11/16 x 74-3/4”	**STC 33** 1” IG [1/8” annealed exterior, 5/8” air space, 1/4” laminated interior]
				3/4 - 5/8”		.16	.30			
				>1”		.13	.27			
				Size tested 47-1/4 x 59”						

As tested with LoE3 glass, Duralite Spacer and Argon gas filled combined with clear glass.

GS DH2 T1 WINDOW
TWIN DOUBLE HUNGS WITH ONE PICTURE WINDOW ON TOP

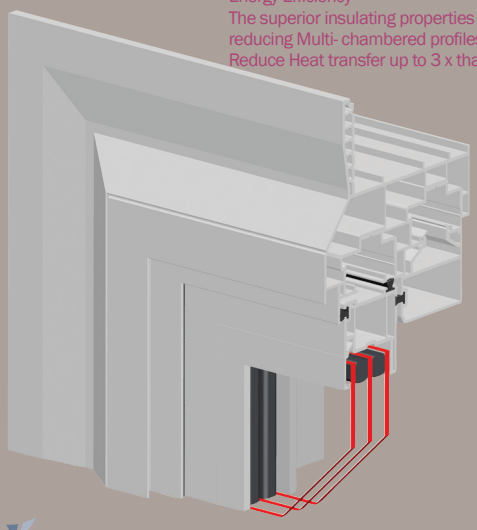
GS DOUBLE HORIZONTAL SLIDER CROSS SECTION





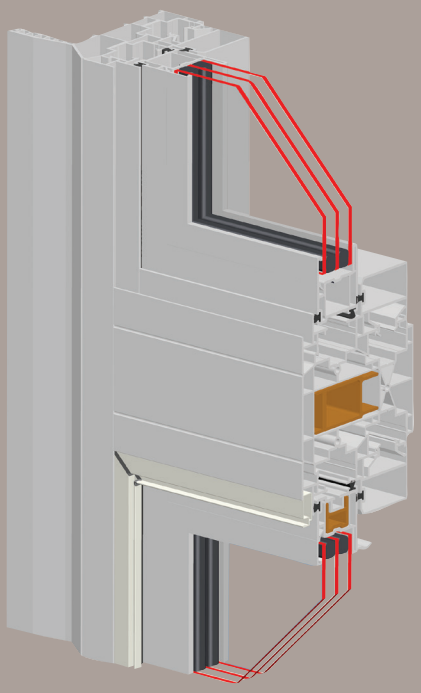
A GS HORIZONTAL SLIDER CROSS SECTION

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane



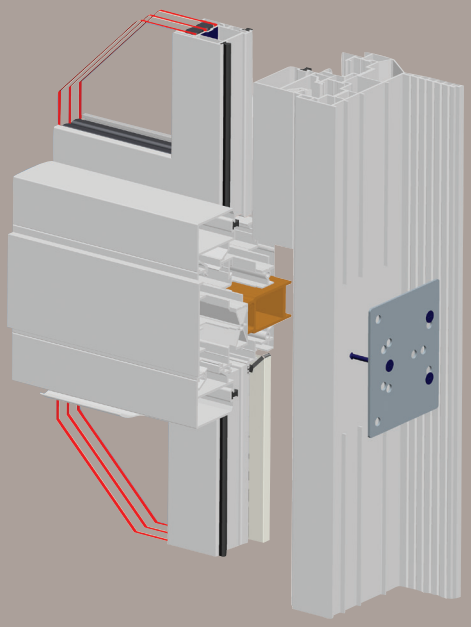
B GS HORIZONTAL SLIDER CROSS SECTION

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi-chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.



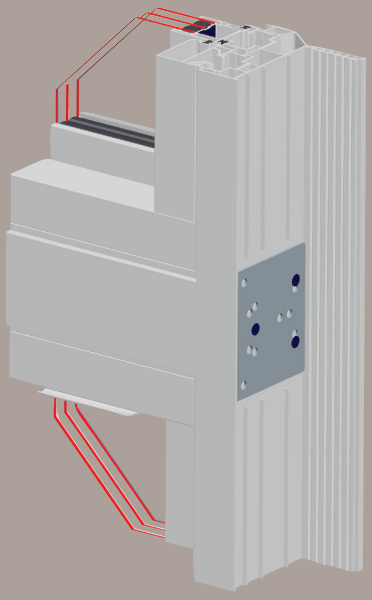
C-1 GS HORIZONTAL SLIDER CROSS SECTION

Energy Efficiency
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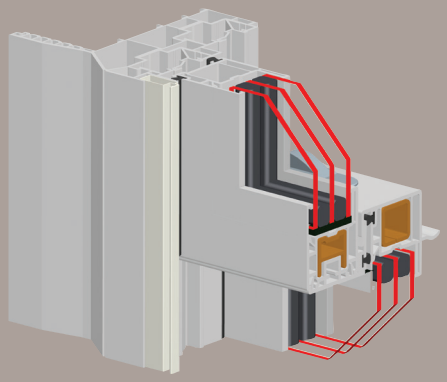
C-2 GS HORIZONTAL SLIDER CROSS SECTION

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat



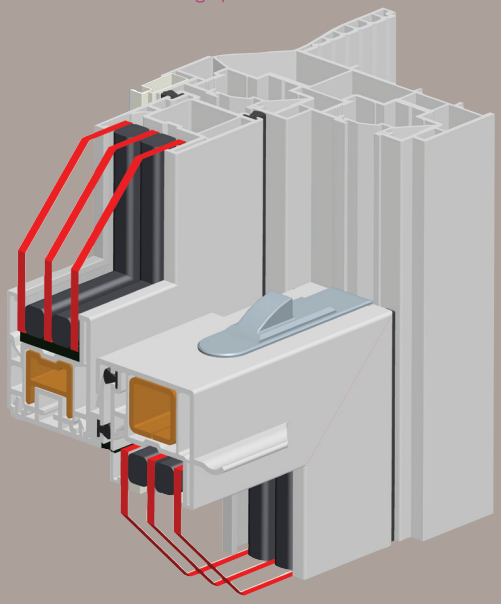
D GS HORIZONTAL SLIDER CROSS SECTION

Energy Efficiency
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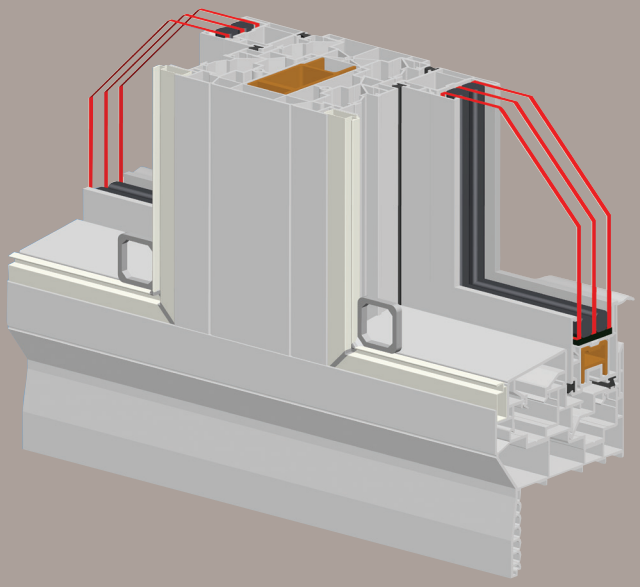
E GS HORIZONTAL SLIDER CROSS SECTION

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.



F GS HORIZONTAL SLIDER CROSS SECTION

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.



LOREM IPSUM DOLOR SIT AMET, CONSECTETUR





GS DH NAIL-ON FRAME OUTSIDE VIEW

VENT LATCH OPERATION

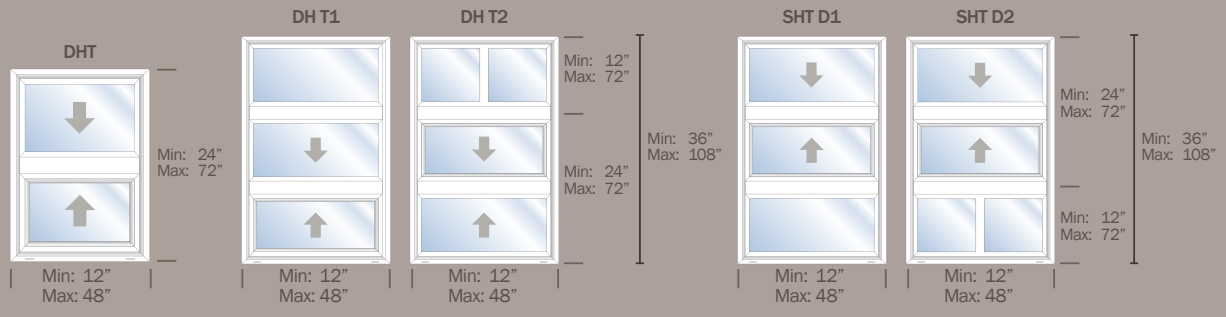
Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.

Vent latch enlarged view



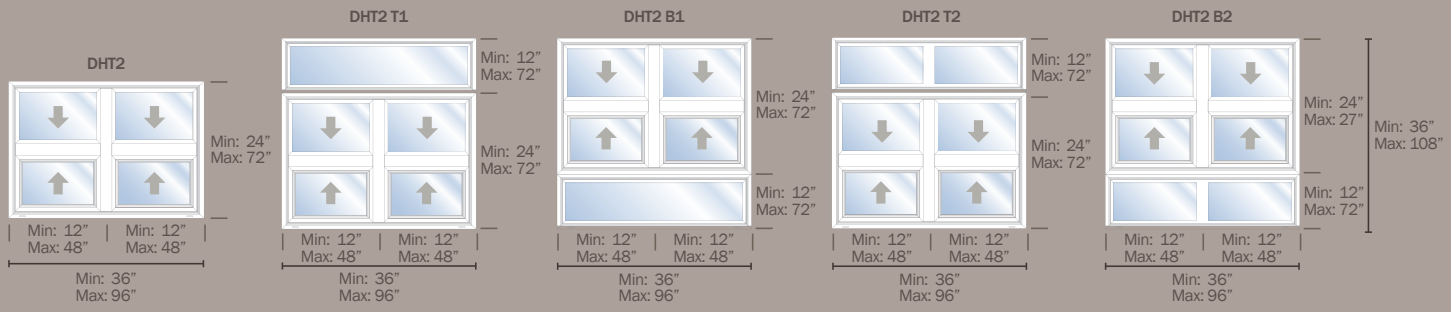
DOUBLE HUNG WINDOWS STYLING

DH windows are available with one or two top or bottom picture windows.

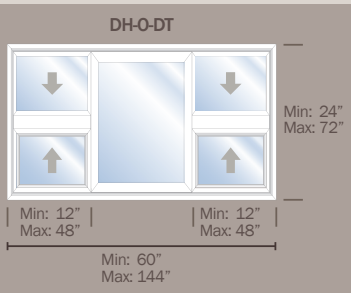


DOUBLE SINGLE HUNG WINDOWS

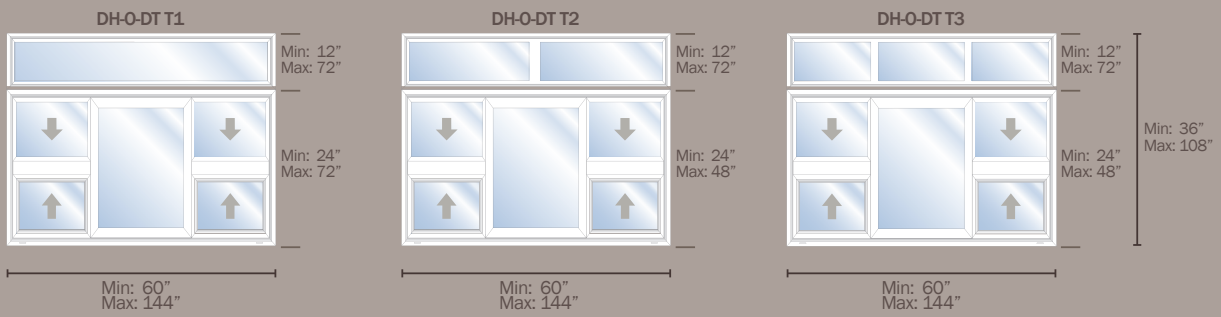
Twin Double Hung DH windows are available with one or two top or bottom picture windows.

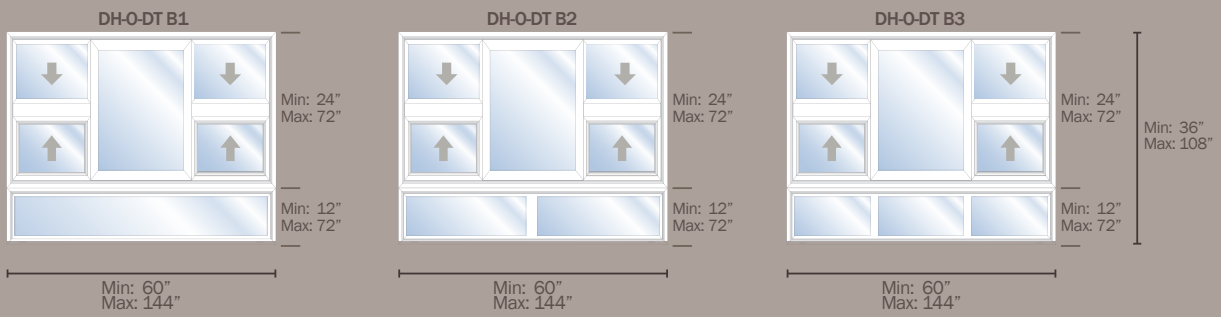


DH-O-DH WINDOWS



Double hung-picture-double hung windows DH-O-DH are available with one, two or three top or bottom picture windows.











GS TILT-IN SINGLE HUNG WINDOWS

Galaxy Windows and Doors Series GX-2200 add function and Beauty to any project. Designed to integrate modern window technology with clean beautiful lines, all while staying budget friendly. A modern beveled frame creates added thickness and multiple chambered airspace that increases thermal efficiencies. The increased frame width allows for ¾" glass units containing state of the art glass technology.

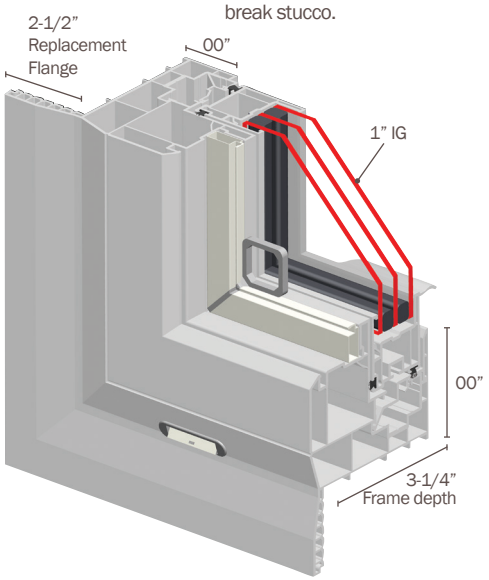
FPO

Cardinal 366 glass comes standard with argon filled interior. So, whether your looking to upgrade the aesthetics of your building or reduce your cooling and heating bills with the latest in thermal technology Galaxy Series is the perfect fit for any project.

FRAME TYPES

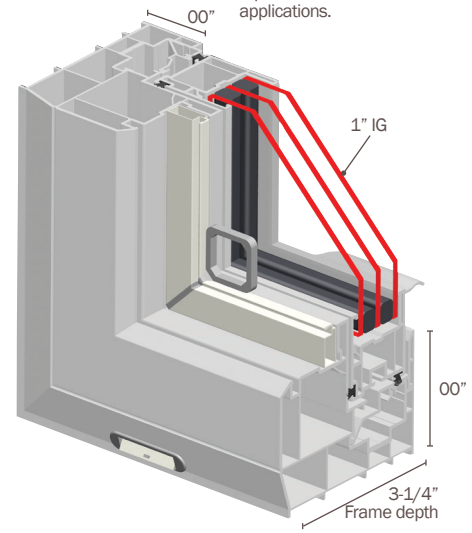
RETROFIT

For replacement applications. This frame type allows convenient installation without the need to break stucco.



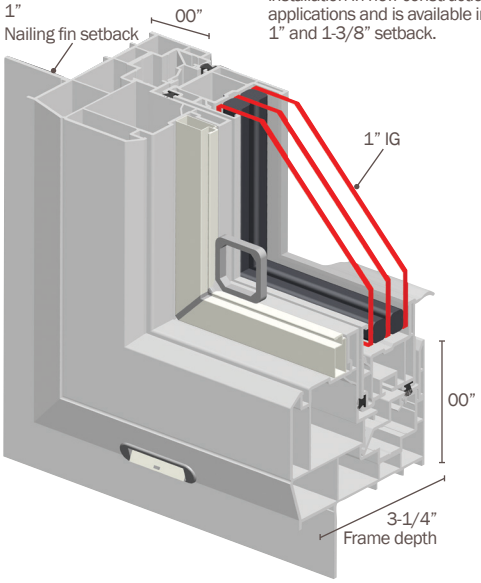
BLOCK

Block frame is suitable for some replacement and new construction applications.



NAIL-ON

Nail-on frame allows for targeted installation in new construction applications and is available in 1" and 1-3/8" setback.



TILT-IN SINGLE HUNG WINDOWS FEATURES & BENEFITS

Easy operation
Constant force counter weight balance system for smooth effortless operation.

A tight seal
Value's multiple weather-strips give you protection against air infiltration

Simple to clean
Operable sash tilts into the home for easy cleaning of fixed and operable glass

Design
Elegant beveled frame design with multiple glass, grid, and configurations available

Security
Auto locks insure that every time you close the window your home is sealed, giving you security and peace of mind

FPO

Structural Integrity
The mechanically fastened joints of aluminum frames may admit air and water. Fusion-welded uPVC joints create an impervious seal.

Maintenance
Unlike aluminum and wood, uPVC is virtually maintenance free. It never needs paint, and requires only an occasional wash and wipe to clean.

Weatherability
Metals can corrode from exposure to weather and pollution. uPVC is naturally resistant to moisture and atmospheric pollutions such as acids, alkalis and salt air making it the prefect material to stand the test of time.

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.

STANDARD COLORS

White

Almond

Options

- Standard and custom sizes
- Factory stacking and mulling options in many different combinations
- AAMA and NFRC certified to meet or exceed industry structural and energy efficiency standards
- May be ordered to meet ENERGYSTAR® requirements
- Lifetime Warranty includes glass breakage

OUTSTANDING DESIGN



GS TILT-IN SINGLE HUNG INSIDE VIEW

KEY FEATURES

- Even Sightlines
- Duaralite warm edge spacer with no metal components
- Steel reinforced sashes
- Steel reinforced interlock
- Multi-chamber extruded vinyl

THERMAL, STRUCTURAL, & SOUND PERFORMANCE

GS Tilt-in Single Hung Windows SHT				Thermal Performance					Structural Performance	Sound Transmission Class
Glazing				Grids	U Factor	SHGC	VT	CR Condensation Resistance		
Triple	2.2 mm LoE3	2.2 mm Clear	2.2 mm LoE3	None	0.20	.18	.35	CR 66	**Class LC-35** Size tested 43-11/16 x 74-3/4”	**STC 33** 1” IG [1/8” annealed exterior, 5/8” air space, 1/4” laminated interior]
				3/4-5/8”		.16	.31			
				>1”		.15	.27			
				Size tested 47-1/4 x 59”						

As tested with LoE3 glass, Duralite Spacer and Argon gas filled combined with clear glass.

LOREM IPSUM DOLOR SIT AMET, CONSECTETUR



GS SHT RETROFIT FRAME OUTSIDE VIEW

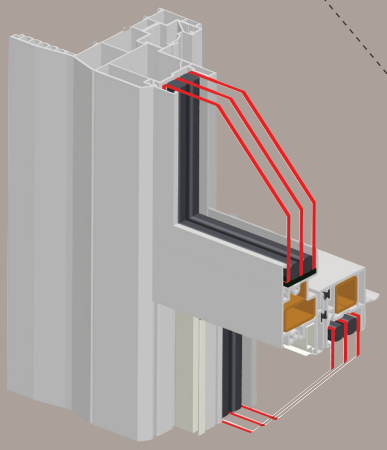


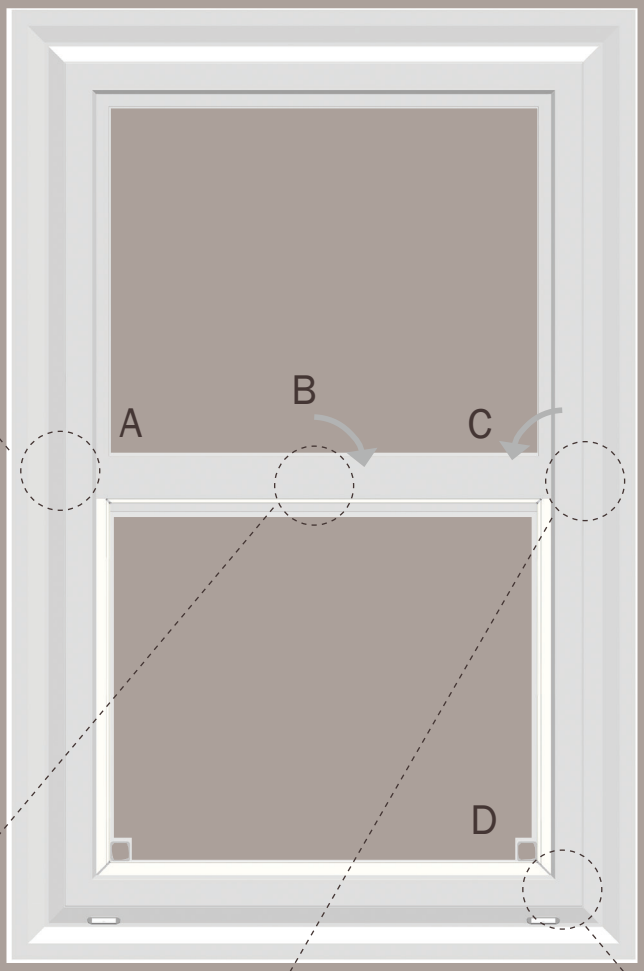
VENT LATCH OPERATION

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.

A GS HORIZONTAL SLIDER CROSS SECTION

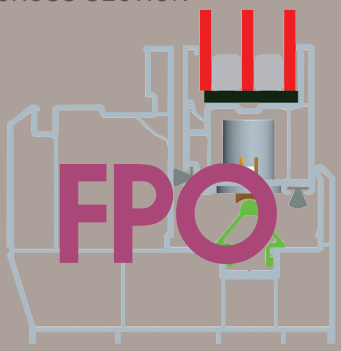
Energy Efficiency
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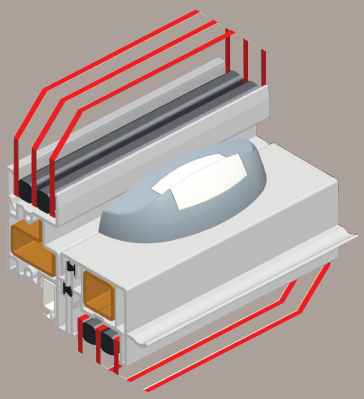
GS SH WINDOW
TILT-IN SINGLE HUNG WINDOW

GS TILT-IN SINGLE HUNG CROSS SECTION



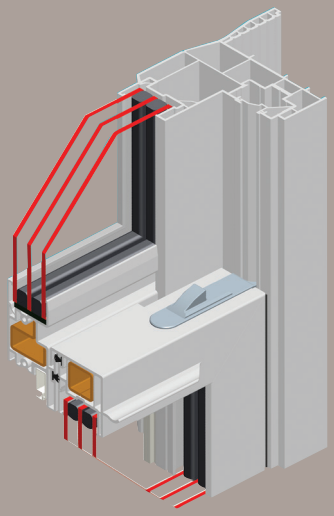
B GS TILT-IN SINGLE HUNG LOCK

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.



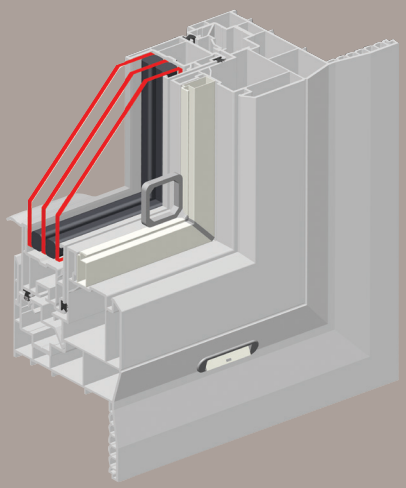
C GS TILT-IN SINGLE HUNG CROSS SECTION

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.



D GS TILT-IN SINGLE HUNG CROSS SECTION

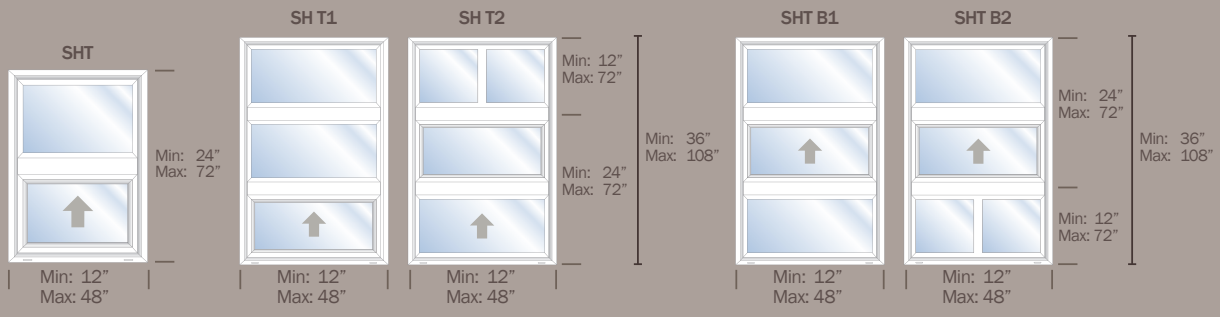
Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.





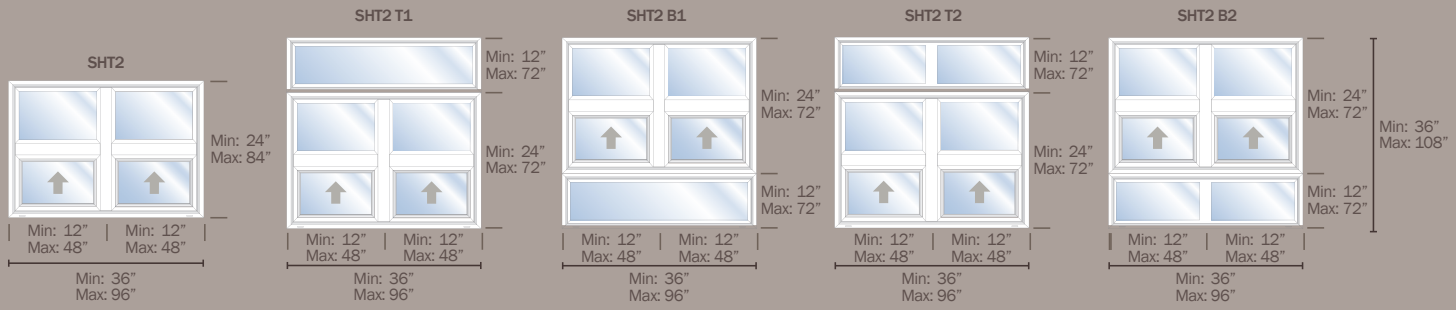
SINGLE HUNG WINDOWS STYLING

SH windows are available with one or two top or bottom picture windows.

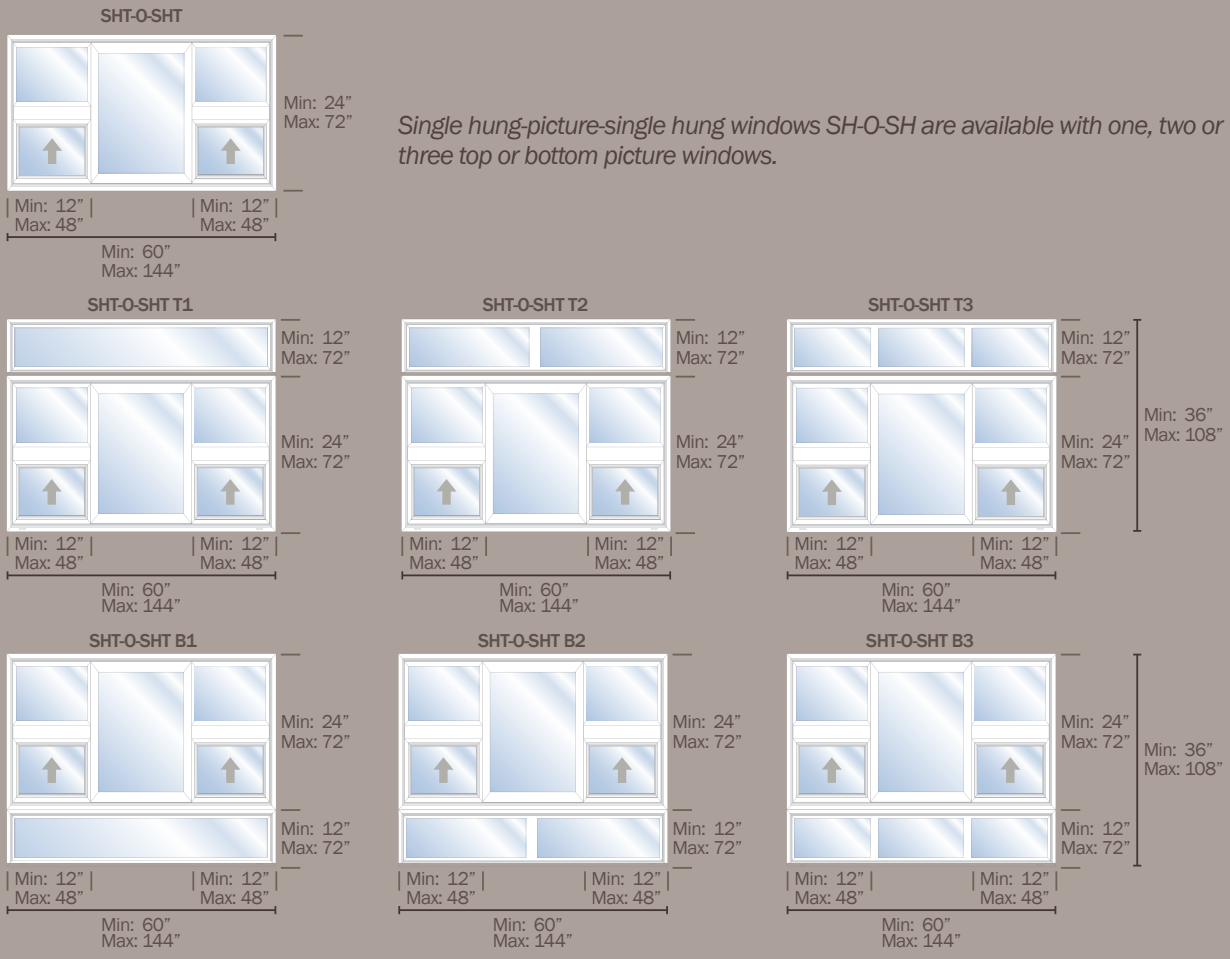


TWIN SINGLE HUNG WINDOWS

Double SH windows are available with one or two top or bottom picture windows.



SH-O-SH WINDOWS



CONSTANT FORCE
COIL BALANCE SYSTEM



The ability to vertically move the sash in our single hung windows rests in a constant force balance system operated by interlocking 1/2" stainless steel coil springs in natural color housings, which allows the closing force to be constant on any position of the sash.

Different length units are used based on the height of the window and may have up to four coils which allow for effortless operation of moving sash.



BALANCE COMPARISON: BLOCK & TACKLE vs. CONSTANT FORCE

Block & Tackle Balance



Many windows still use an old system where a string is attached to counterweights or a spring to open the window, these strings and springs after wear and tear can snap and require extra force to move the window sash.

Constant Force Balance System



Value's constant force balance coil features a nylon composite housing that allows the coil to be stretched as the window opens.

As the coil unfolds it provides a constant and even force meaning the window needs only the same resistance to lift it at any degree of opening.

Our constant force counterbalance allows you to open your window as far or as little as you like without the fear of the window crashing down.

*How much **force** is needed to operate each system?*

SAMPLE CASE 1



FORCE REQUIRED **6.6 Lb**

FORCE REQUIRED **3.5 Lb**

SAMPLE CASE 2



FORCE REQUIRED **17.9 Lb**

FORCE REQUIRED **3.5 Lb**

Each constant force balance coil is housed in a nylon composite housing that allows the coil to be stretched as the window opens. As the coil unfolds it provides a constant and even force meaning the window needs only the same resistance to lift it at any degree of opening.

SUPERIOR QUALITY HIGH-PERFORMANCE HARDWARE & PARTS

Auto-lock by Interlock ASAA ABLOY

GS Windows feature the original European inspired automatic sash lock by Interlock ASAA ABLOY, specialists in innovative hardware solutions for the window and door industry around the world.

- Matching the vinyl color with a removable cover
- Features robust dual hooks for superior forced entry resistance
- Effortless long lasting performance







GS SHT INSIDE VIEW







GS PICTURE WINDOWS

Galaxy Windows and Doors Series GX-2200 add function and Beauty to any project. Designed to integrate modern window technology with clean beautiful lines, all while staying budget friendly. A modern beveled frame creates added thickness and multiple chambered airspace that increases thermal efficiencies. The increased frame width allows for ¾" glass units containing state of the art glass technology.

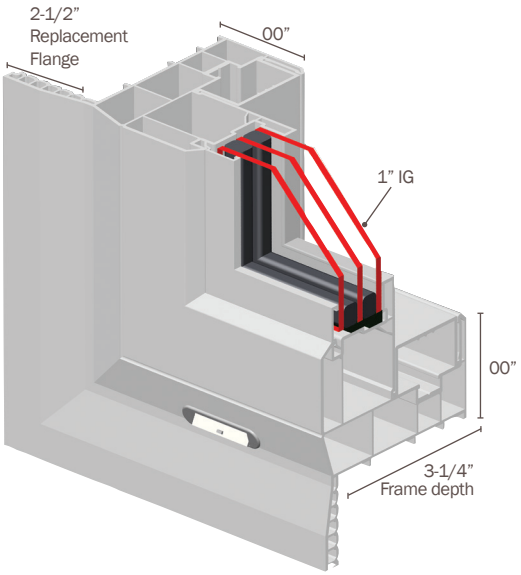
FPO

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FRAME TYPES

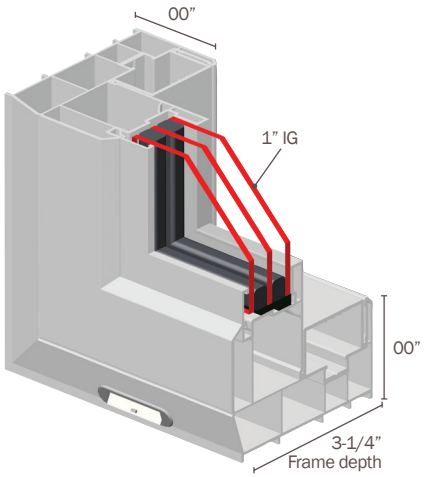
RETROFIT

For replacement applications. This frame type allows convenient installation without the need to break stucco.



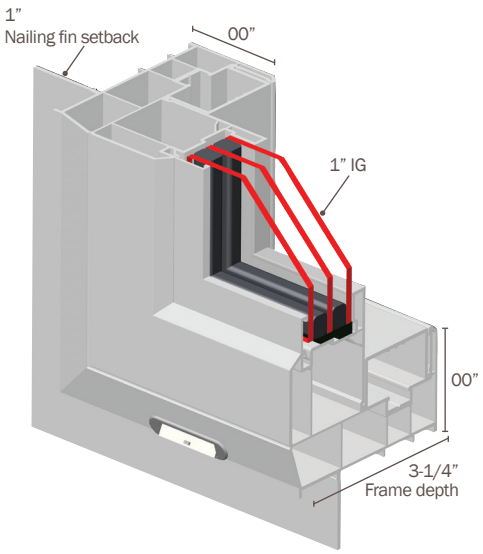
BLOCK

Block frame is suitable for some replacement and new construction applications.



NAIL-ON

Nail-on frame allows for targeted installation in new construction applications and is available in 1" and 1-3/8" setback.



PICTURE WINDOWS FEATURES & BENEFITS

Design
Elegant beveled frame design with multiple glass, grid, and configurations available

Structural Integrity
The mechanically fastened joints of aluminum frames may admit air and water. Fusion-welded uPVC joints create an impervious seal.

Maintenance
Unlike aluminum and wood, uPVC is virtually maintenance free. It never needs paint, and requires only an occasional wash and wipe to clean.

FPO

Weatherability
Metals can corrode from exposure to weather and pollution. uPVC is naturally resistant to moisture and atmospheric pollutions such as acids, alkalis and salt air making it the prefect material to stand the test of time.

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi-chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.

STANDARD COLORS

White

Almond

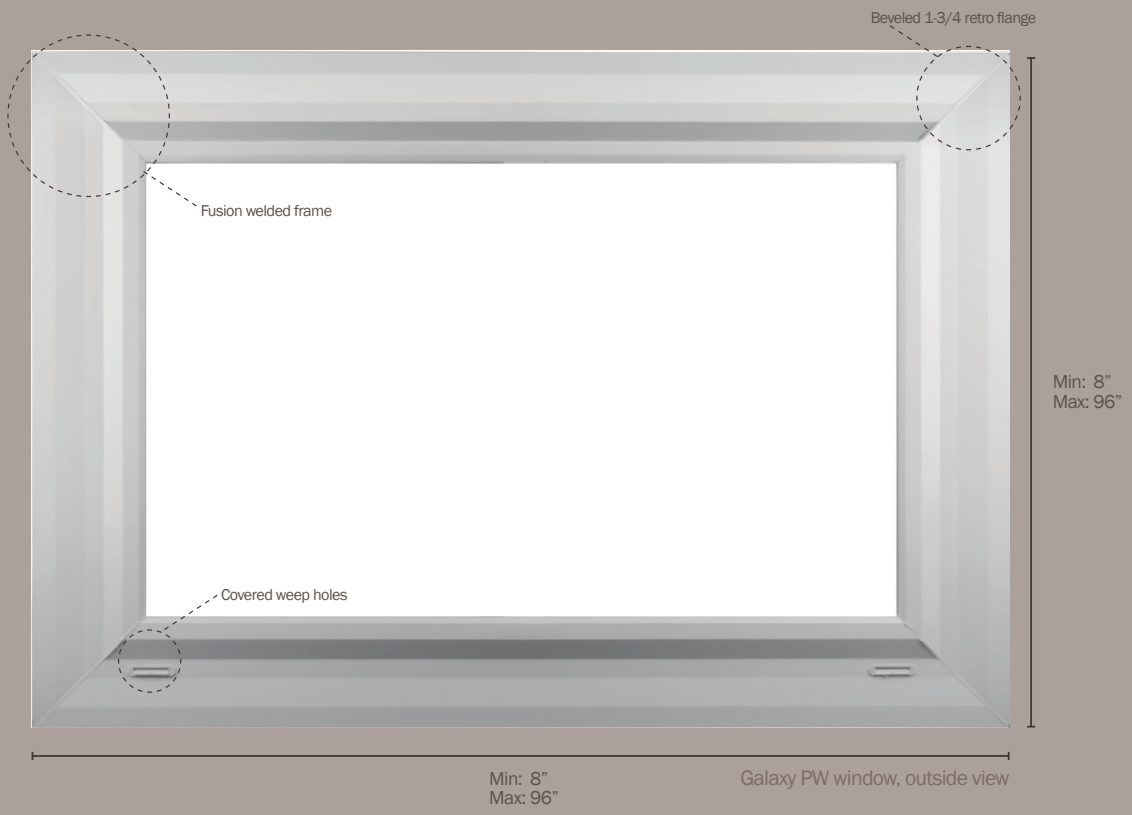
Options

- Standard and custom sizes
- Factory stacking and mulling options in many different combinations
- AAMA and NFRC certified to meet or exceed industry structural and energy efficiency standards
- May be ordered to meet ENERGYSTAR® requirements
- Lifetime Warranty includes glass breakage

THERMAL, STRUCTURAL, & SOUND PERFORMANCE

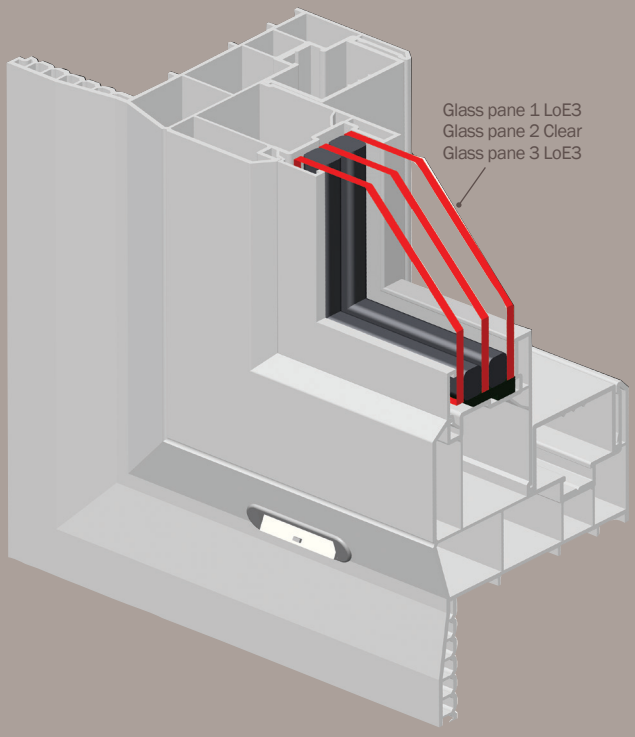
GS Picture Window PW			Thermal Performance					Structural Performance	Sound Transmission Class
Triple Glaze			Grids	U Factor	SHGC	VT	CR Condensation Resistance		
2.2 mm LoE3	2.2 mm Clear	2.2 mm LoE3r	None	0.18	.19	.37	CR 71	**Class LC-25** Size tested 70 x 60"	**STC 33** 1" IG [1/8" annealed exterior, 5/8" air space, 1/4" laminated interior]
			3/4 -5/8"		.17	.33			
			>1"		.15	.29			
			Size tested 47-1/4 x 59"						

As tested with LoE3 glass, Duralite Spacer and Argon gas filled combined with clear glass.

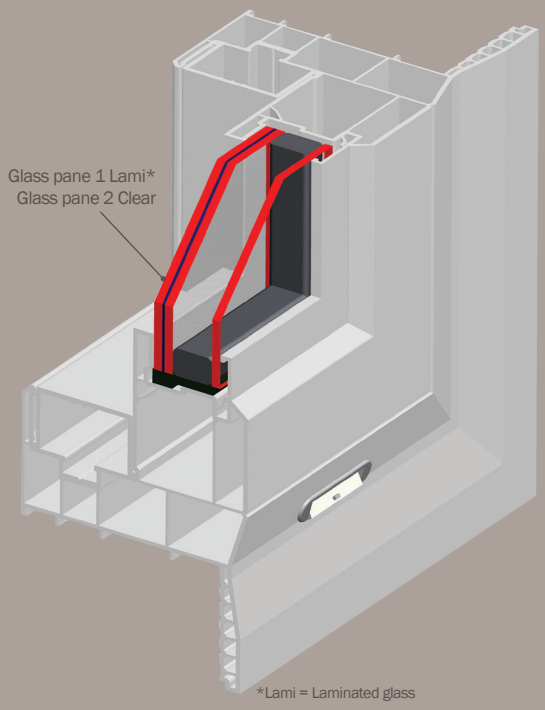


GS PICTURE WINDOW GLAZING OPTIONS

TRIPLE GLAZE



LAMINATED GLASS DUAL GLAZE



*Lami = Laminated glass

YOUR SOLUTION FOR GRAND OPENINGS



AVAILABLE FOR WINDOWS 96-144 UNITED INCHES

AVAILABLE FOR WINDOWS

96-144 UNITED INCHES



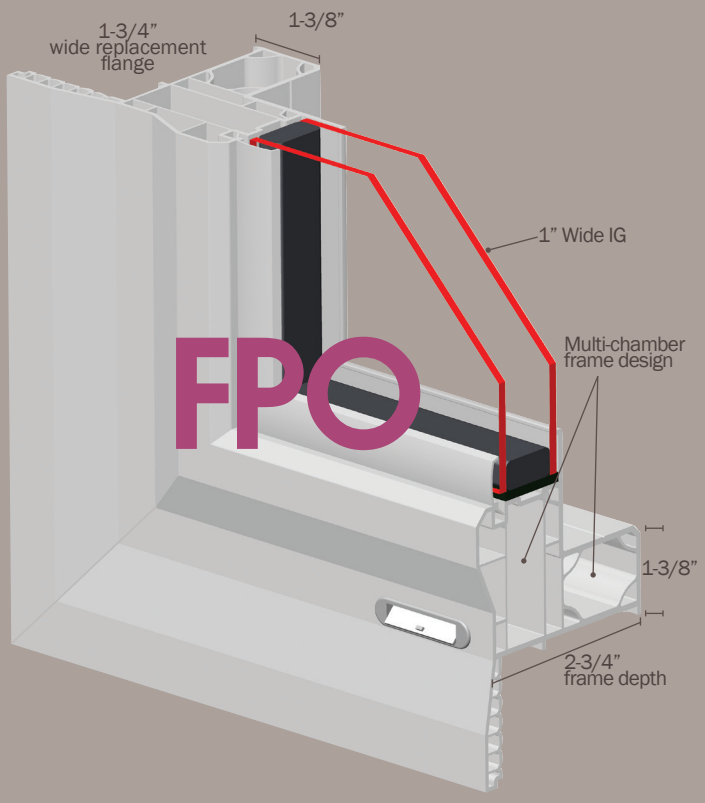
YOUR SOLUTION FOR GRAND OPENINGS

A picture-perfect window. GS picture windows come in a variety of sizes and options to fit your design and budget. Standard picture windows are available up to 96 united inches and provide excellent performance and value. For larger window openings, greater than 96 U.I. our specially engineered picture window frame is designed to carry the weight of a 1" glass unit with ¼" glass. This allows for maximum visibility and unobstructed views from your home to the great outdoors with sizes up to 144 united inches.





RETROFIT OVERSIZED PICTURE WINDOW OUTSIDE VIEW

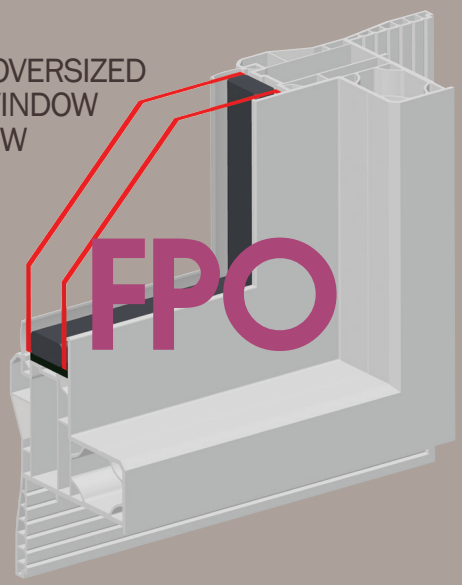


AVAILABLE FOR WINDOWS
96-144 UNITED INCHES

GS oversized Picture Windows are available for Retrofit and Block applications. This frame has additional chambers and can hold glass units of 1" to accommodate the thicker and heavier glass required for large surface areas. The perfect solution for oversized picture windows that are 96-144 united inches.

Contact your Sales Representative for lead time and shipping arrangements.

RETROFIT OVERSIZED
PICTURE WINDOW
INSIDE VIEW



STRUCTURAL INTEGRITY FOR GREAT OPENINGS



AVAILABLE FOR WINDOWS GREATER THAN 144 UNITED INCHES

PICTURE WINDOW WITH REINFORCED SEPARATING MULLION (PW2)

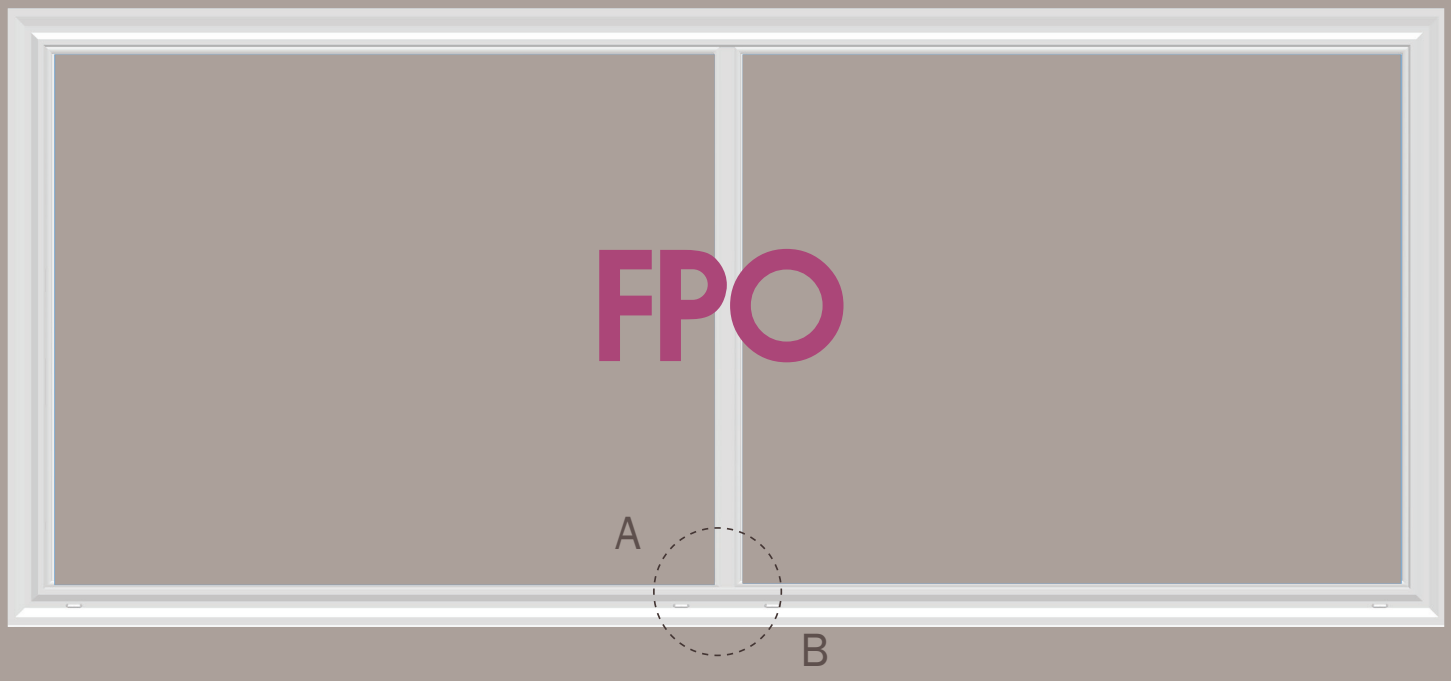
AVAILABLE FOR WINDOWS
GREATER THAN 144 UNITED INCHES



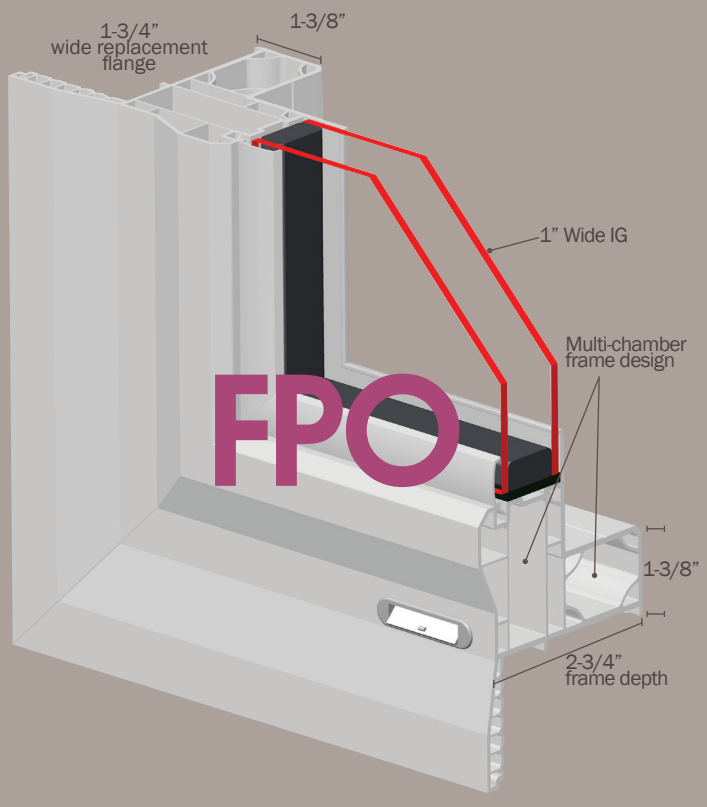
STRUCTURAL INTEGRITY FOR GREAT OPENINGS

For even larger openings or more cost conscious openings a 2 3/8'' reinforced mullion can divide the window for added support and eliminate the need for ¼" glass. 1/8" or 3/16'' glass is substituted and can lower opening costs. Whatever your budget our design requirements Value has the window for you.

STRUCTURAL INTEGRITY FOR GREAT OPENINGS



RETROFIT DOUBLE PICTURE WINDOW PW2

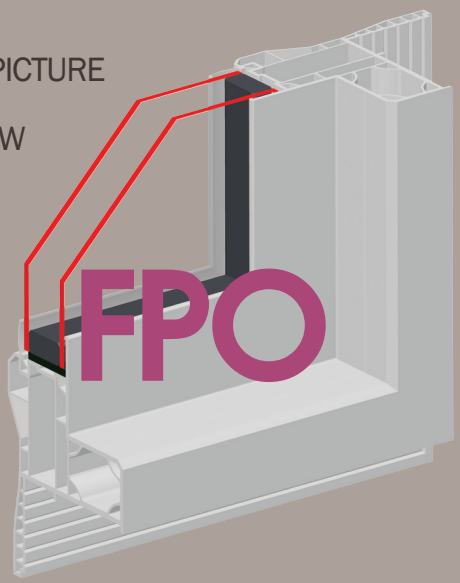


AVAILABLE FOR OPENINGS GREATER THAN 144 UNITED INCHES

For large window wall openings, greater than 144 united inches Galaxy windows has engineered a custom frame window with integrated mullion support and aluminum reinforcement through out to accommodate even the most expansive wall openings.

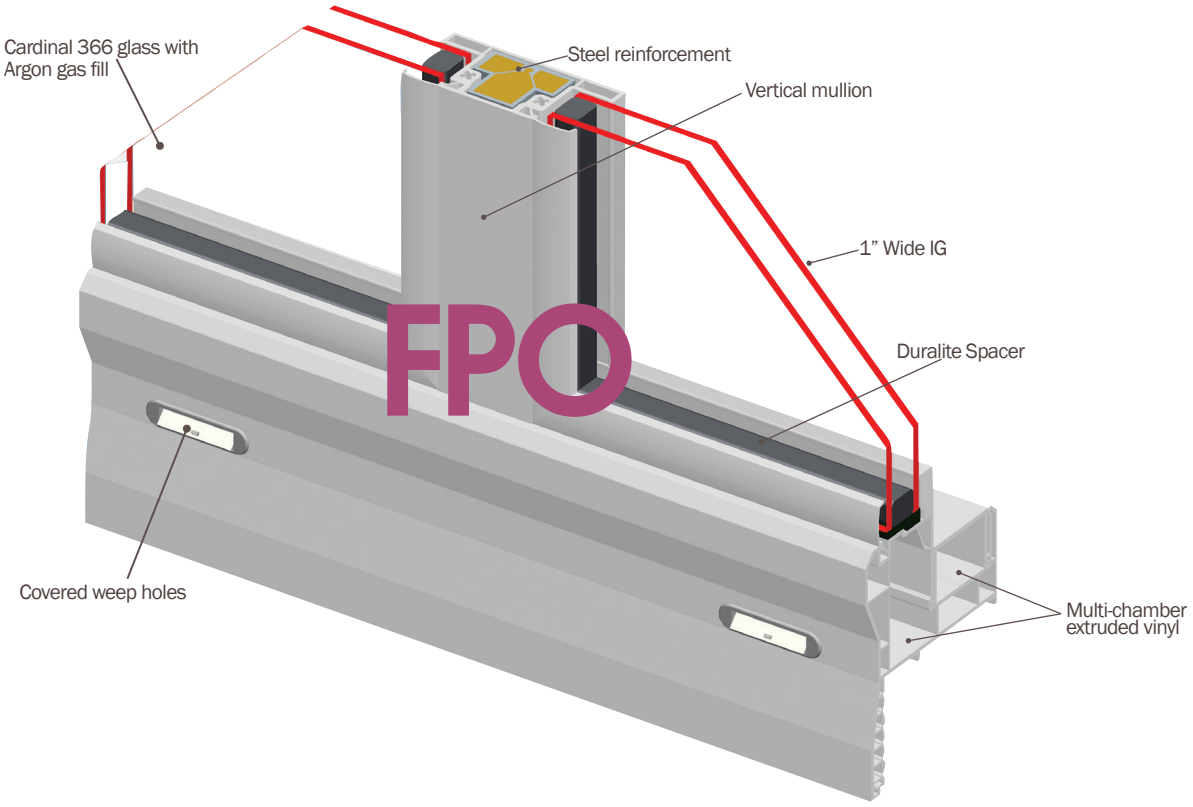
Contact your Sales Representative for lead time and shipping arrangements.

RETROFIT PICTURE WINDOW2 INSIDE VIEW

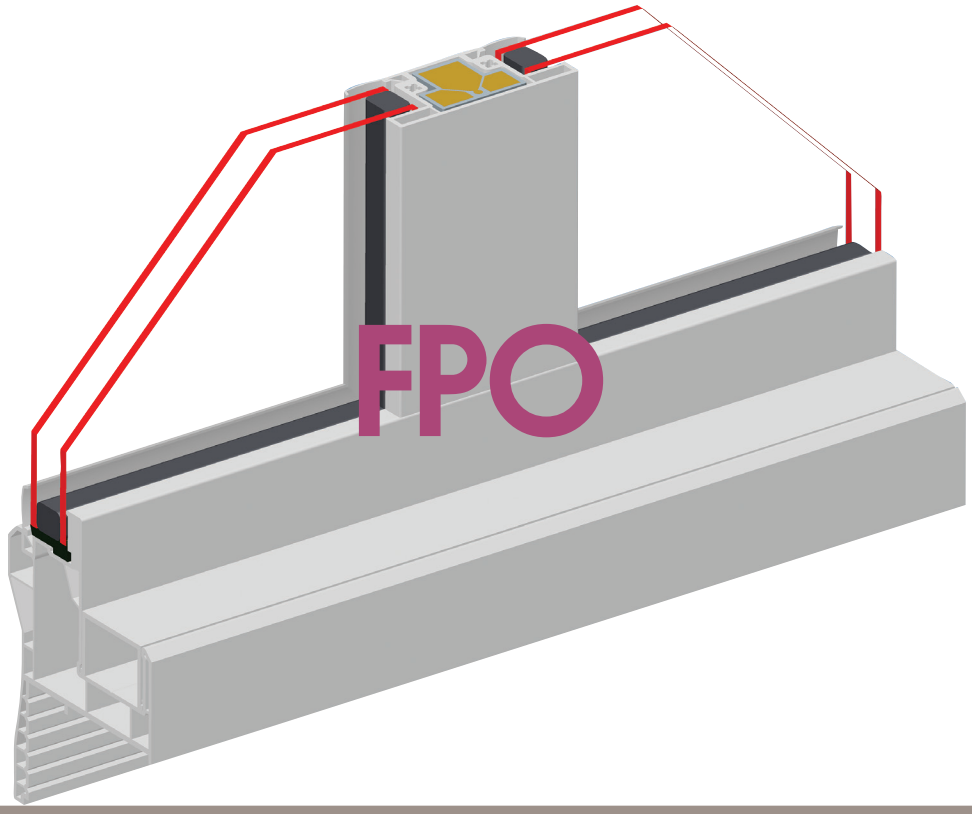


PICTURE WINDOW WITH REINFORCED SEPARATING MULLION (PW2)

A Sectional Drawing Vertical Mullion Outside View



B Sectional Drawing Vertical Mullion Inside View





GS PICTURE WINDOWS AVAILABLE SIZES*

Window Width in Inches \ Window Height in Inches	12	24	36	48	60	72	84	96	108	120	132	144
12	12x12	12x24	12x36	12x48	12x60	12x72	**12x84**	**12x96**	**12x108**	**12x120**	**12x132**	**12z144**
24	24x12	24x24	24x36	24x48	24x60	24x72	**24x84**	**24x96**	**24x108**	**24x120**	**24x132**	**24x144**
36	36x12	36x24	36x36	36x48	36x60	36x72	**36x84**	**36x96**	**36x108**	**36x120**	**36x132**	**36x144**
48	48x12	48x24	48x36	48x48	48x60	48x72	**48x84**	**48x96**	**48x108**	**48x120**	**48x132**	**48x144**
60	60x12	60x24	60x36	60x48	60x60	60x72	**60x84**	**60x96**	**60x108**	**60x120**	**60x132**	**60x144**
72	72x12	72x24	72x36	72x48	72x60	**72x72**	**72x84**	**72x96**	**72x108**	**72x120**	**72x132**	**72x144**
84	**84x12**	**84x24**	**84x36**	**84x48**	**84x60**	**84x72**	**84x84**	**84x96**	**84x108**	**84x120**	**84x132**	**84x144**
96	**96x12**	**96x24**	**96x36**	**96x48**	**96x60**	**96x72**	**96x84**	96x96	96x108	96x120	96X132	96X144
108	**108x12**	**108x24**	**108x36**	**108x48**	**108x60**	**108x72**	**108x84**	108x96	108x108	108x120	108x132	108x144
120	**120x12**	**120x24**	**120x36**	**120x48**	**120x60**	**120x72**	**120x84**	120x96	120x108	120x120	120x132	120x144
132	**132x12**	**132x24**	**132x36**	**132x48**	**132x60**	**132x72**	**132x84**	132x96	132x108	132x120	132x132	132x144
144	**144x12**	**144x24**	**144x36**	**144x48**	**144x60**	**144x72**	**144x84**	144x96	144x108	144x120	144x132	144x144

*Oversized Picture Windows are only available in Retrofit and Block frames

Sizes in BLUE feature Tempered Glass

GS Picture Windows with 3/4" IG

GS Large Picture Windows with 1" IG, up to 144 UI
GS Large Picture Windows with Reinforced separating Mullion (PW2) with 3/4" IG, windows larger than 144 UI

Aluminum Jumbo Picture Window with 1-3/8" IG

PW2 or more







GS CASEMENTS & AWNINGS

Galaxy Windows and Doors Series GX-2200 add function and Beauty to any project. Designed to integrate modern window technology with clean beautiful lines, all while staying budget friendly. A modern beveled frame creates added thickness and multiple chambered airspace that increases thermal efficiencies. The increased frame width allows for ¾" glass units containing state of the art glass technology.

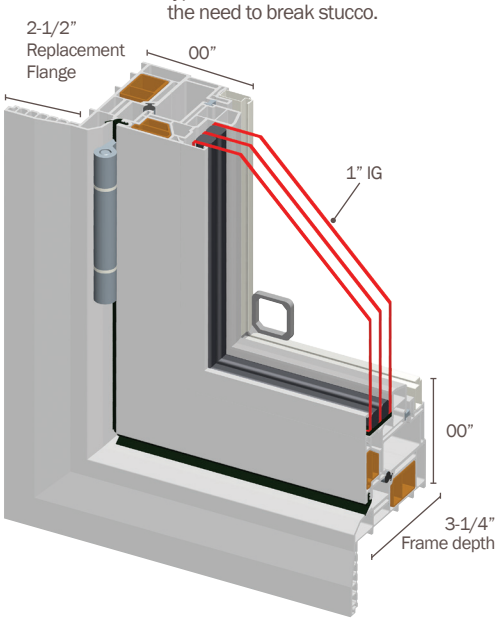
FPO

Cardinal 366 glass comes standard with argon filled interior. So, whether your looking to upgrade the aesthetics of your building or reduce your cooling and heating bills with the latest in thermal technology Galaxy Series is the perfect fit for any project.

FRAME TYPES

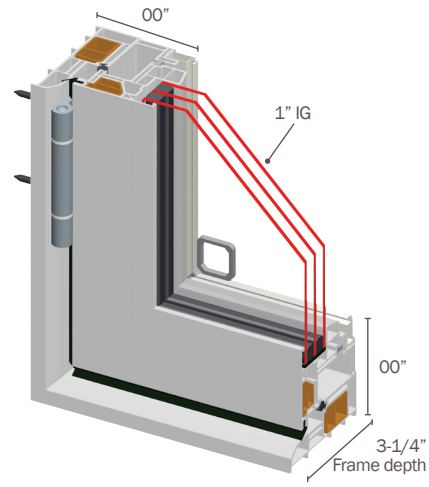
RETROFIT

For replacement applications. This frame type allows convenient installation without the need to break stucco.



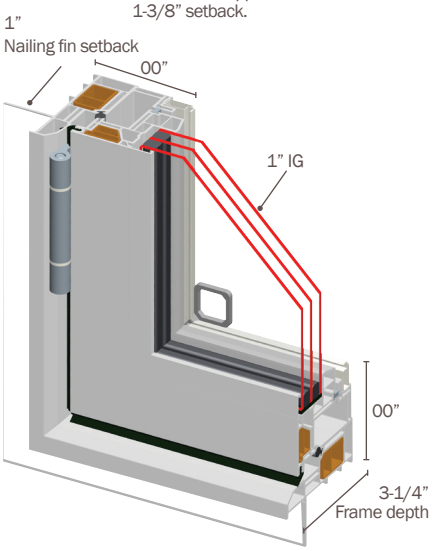
BLOCK

Block frame is suitable for some replacement and new construction applications.



NAIL-ON

Nail-on frame allows for targeted installation in new construction applications and is available in 1" and 1-3/8" setback.



CASEMENTS & AWNINGS FEATURES & BENEFITS

Easy operation
Constant force counter weight balance system for smooth effortless operation.

A tight seal
Value's multiple weather-strips give you protection against air infiltration

Simple to clean
Operable sash tilts into the home for easy cleaning of fixed and operable glass

Design
Elegant beveled frame design with multiple glass, grid, and configurations available

Security
Auto locks insure that every time you close the window your home is sealed, giving you security and peace of mind

FPO

Structural Integrity
The mechanically fastened joints of aluminum frames may admit air and water. Fusion-welded uPVC joints create an impervious seal.

Maintenance
Unlike aluminum and wood, uPVC is virtually maintenance free. It never needs paint, and requires only an occasional wash and wipe to clean.

Weatherability
Metals can corrode from exposure to weather and pollution. uPVC is naturally resistant to moisture and atmospheric pollutions such as acids, alkalis and salt air making it the prefect material to stand the test of time.

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.

STANDARD COLORS

White

Almond

Options

- Standard and custom sizes
- Factory stacking and mulling options in many different combinations
- AAMA and NFRC certified to meet or exceed industry structural and energy efficiency standards
- May be ordered to meet ENERGYSTAR® requirements
- Lifetime Warranty includes glass breakage

OUTSTANDING DESIGN



GS CASEMENT INSIDE VIEW

KEY FEATURES

- Even Sightlines
- Duaralite warm edge spacer with no metal components
- Steel reinforced sashes
- Multi-chamber extruded vinyl

THERMAL, STRUCTURAL, & SOUND PERFORMANCE

GS Casement CM				Thermal Performance					Structural Performance	Sound Transmission Class
Glazing				Grids	U Factor	SHGC	VT	CR Condensation Resistance		
Triple	2.2 mm LoE3	2.2 mm Clear	2.2 mm LoE3	None	0.21	.16	.31	CR 71	Class LC PG-25 Size tested 32 x 59"	STC 36 1" IG [1/8" annealed exterior, 5/8" air space, 1/4" laminated interior]
				3/4-5/8"		.15	.28			
				>1"		.13	.25			
				Size tested 23-5/8 x 59"						

As tested with LoE3 glass, Duralite Spacer and Argon gas filled combined with clear glass.

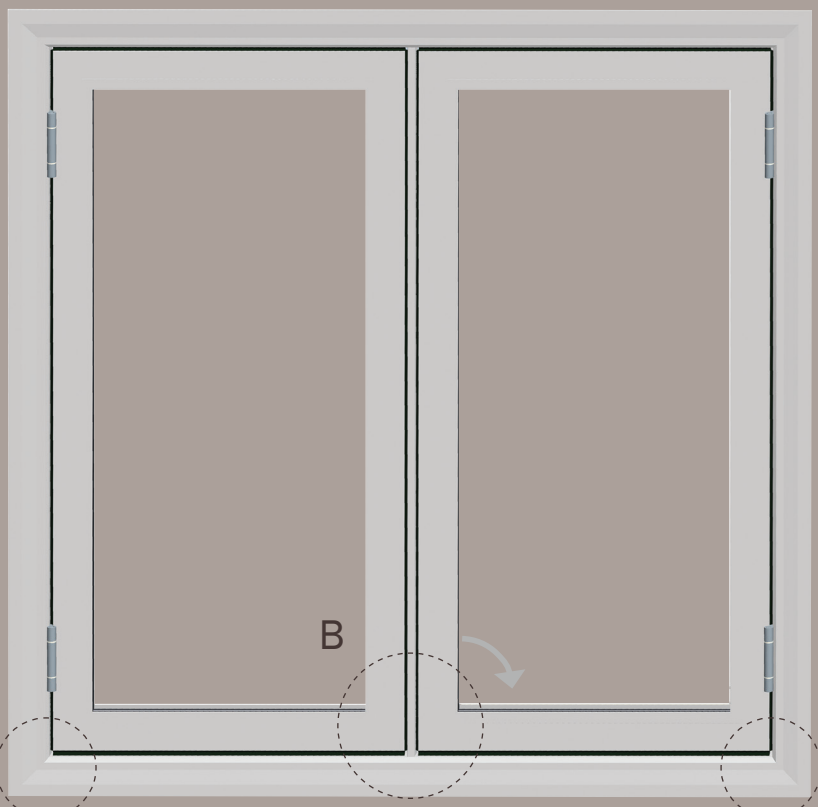
LOREM IPSUM DOLOR SIT AMET, CONSECTETUR





VENT LATCH OPERATION

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.

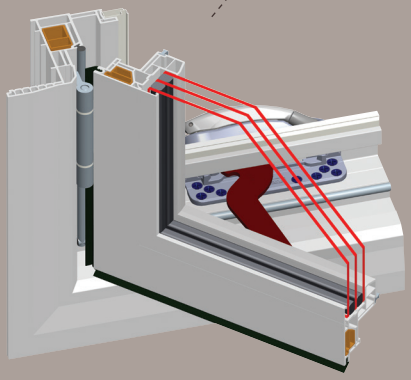


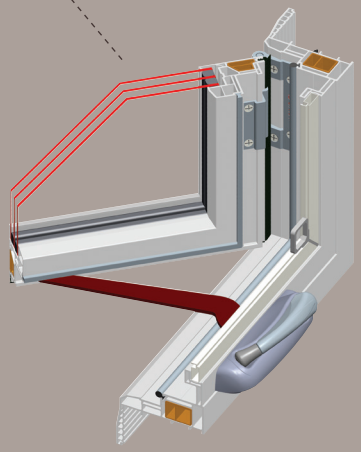
A GS CASEMENT CROSS SECTION

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi-chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.

C GS CASEMENT CROSS SECTION

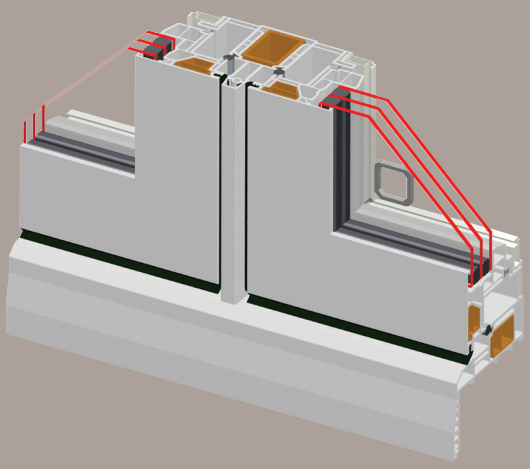
Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi-chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.





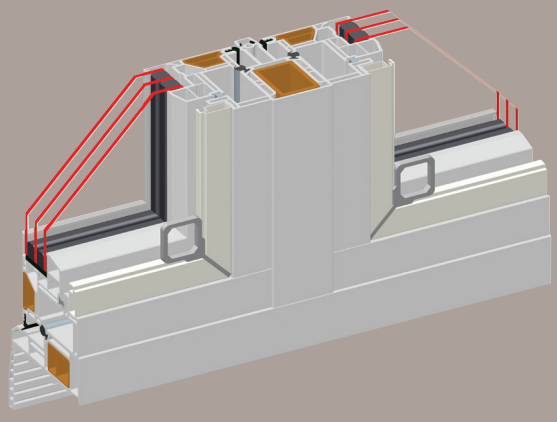
B-1 GS CASEMENT CROSS SECTION

Energy Efficiency The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane

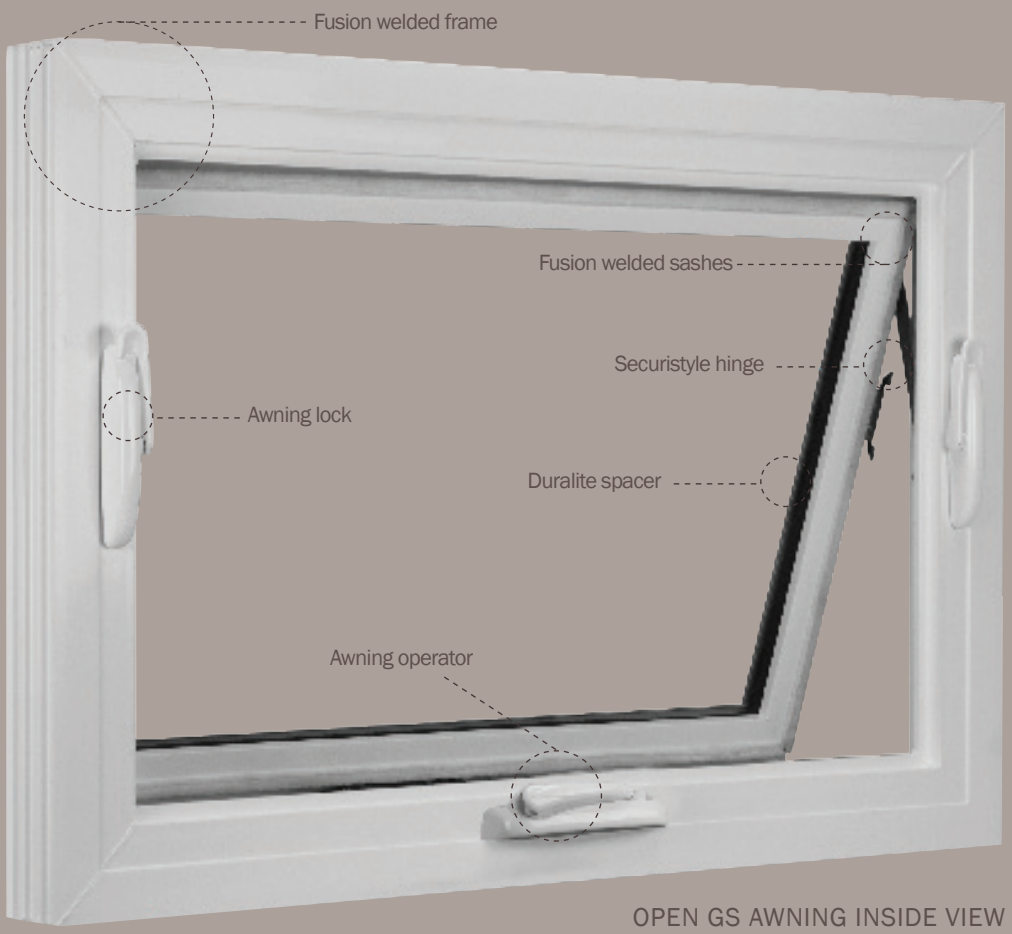


B-2 GS CASEMENT CROSS SECTION

Energy Efficiency The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane







OPEN GS AWNING INSIDE VIEW

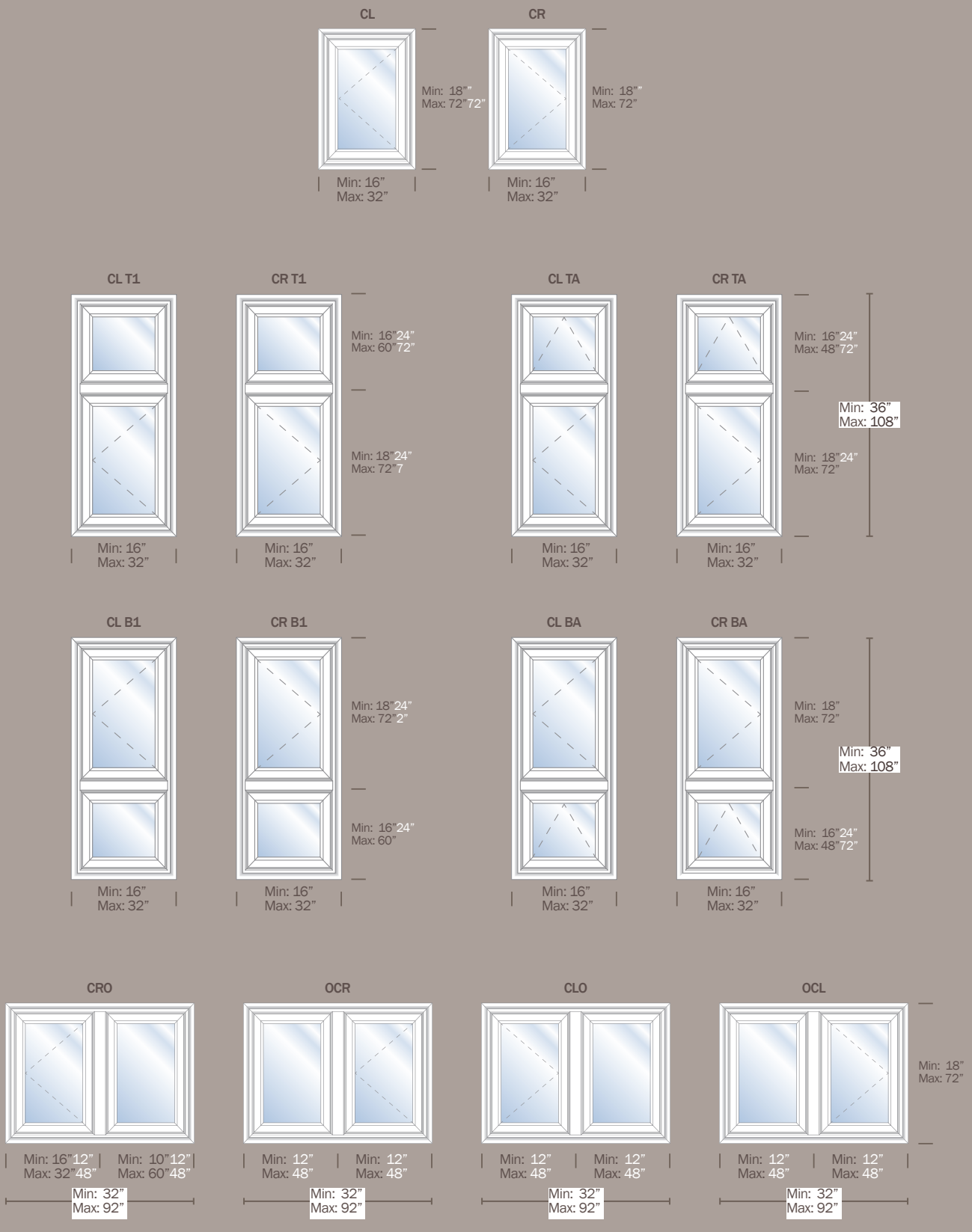


CLOSED GS AWNING INSIDE VIEW

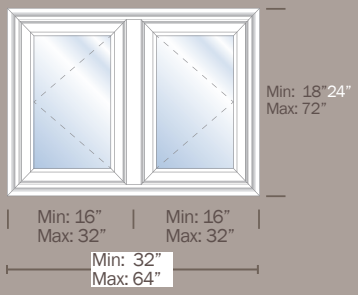


OPEN GS AWNING INSIDE VIEW

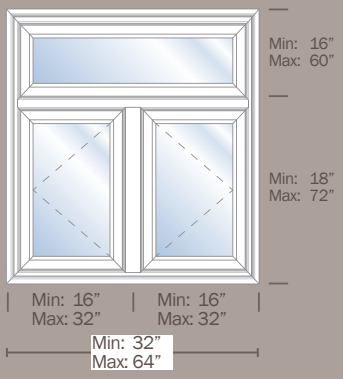
CASEMENT WINDOWS STYLING



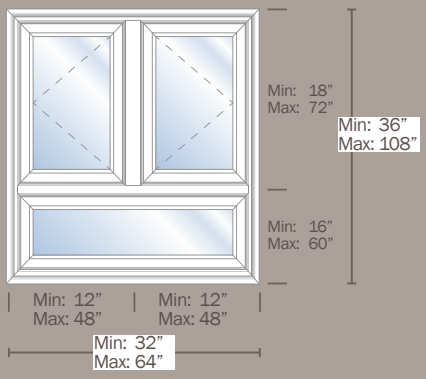
CRCL



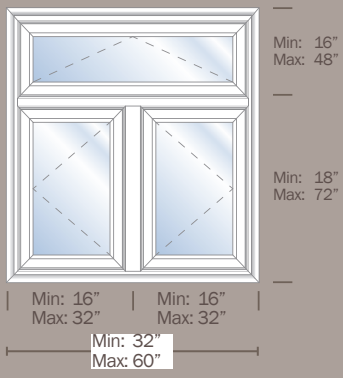
CRCL T1



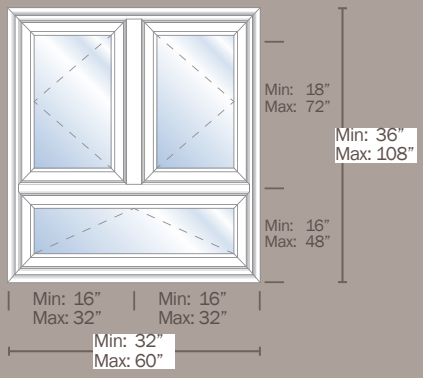
CRCL B1



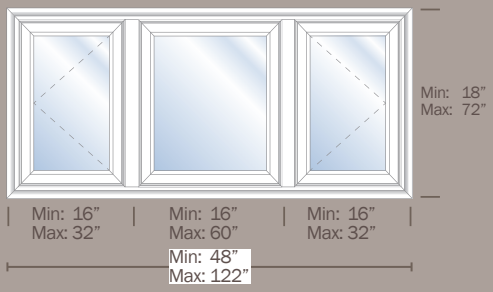
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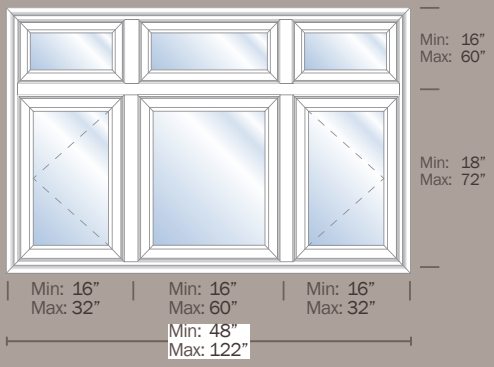
CRCL BA



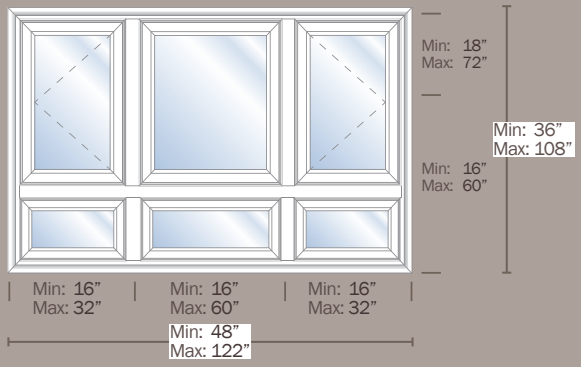
CROCL



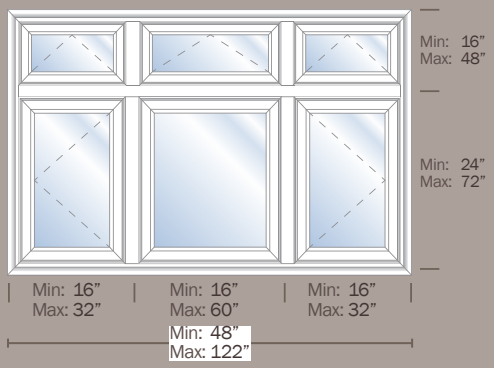
CROCL T3



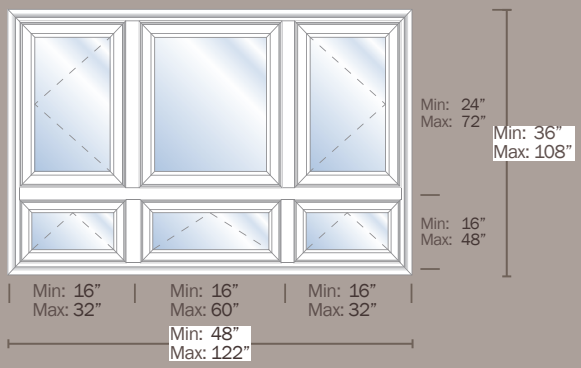
CROCL B3



CROCL TA3

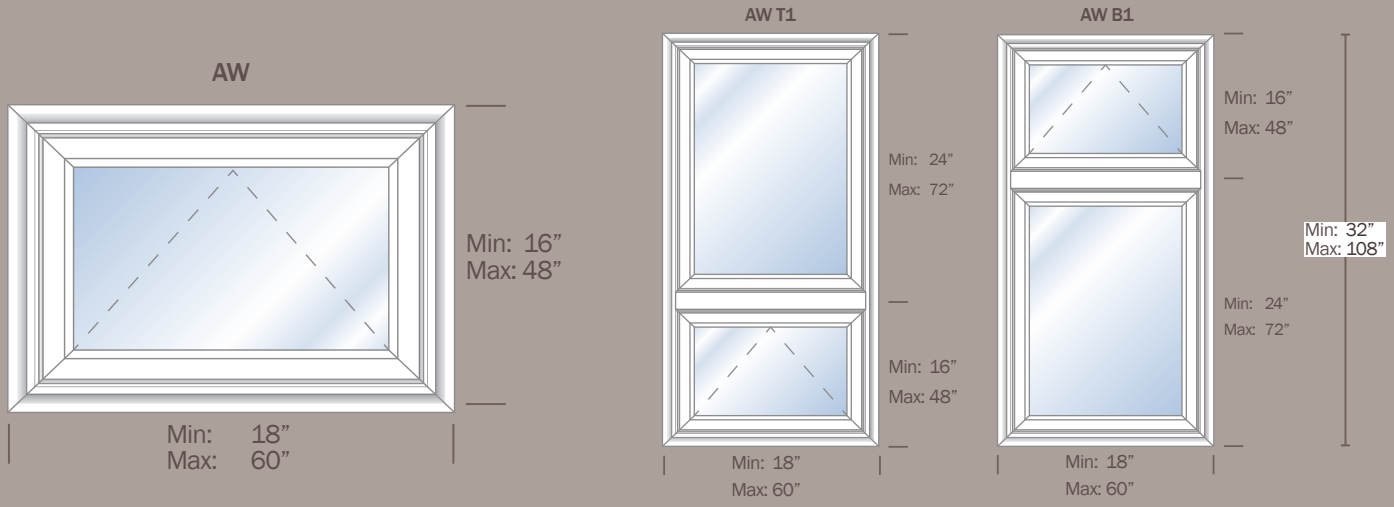


CROCL BA3

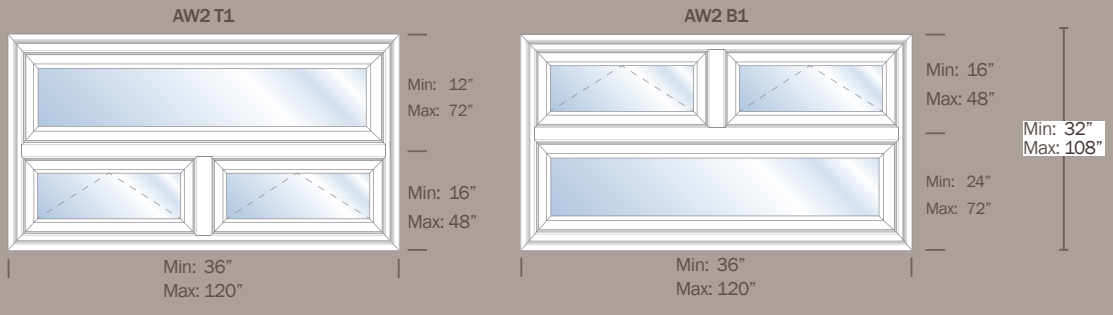




AWNING WINDOWS STYLING



AWNING WINDOWS STYLING



CAREFULLY SELECTED, HIGH-PERFORMANCE HARDWARE AND PARTS







NOVA® Slim Casement Locking Handle

NOVA® by ASSA ABLOY
Multi-point locking system

An industry first in casement window hardware with German design and engineering, the NOVA® multi-point locking solution from ASSA ABLOY with a stainless steel locking bar provides high corrosion resistance, delivering the perfect balance of form and function.

Locking System Features

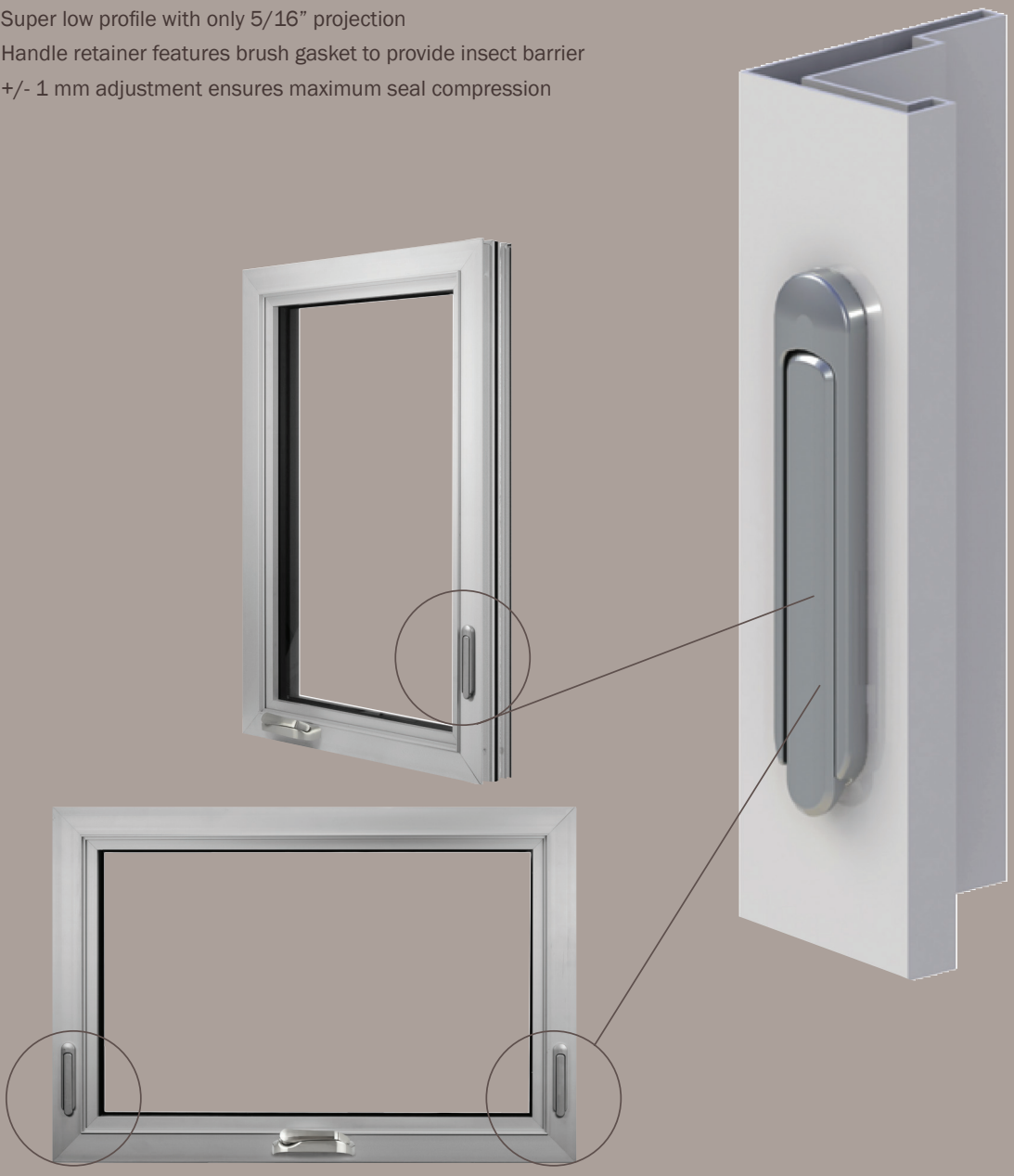
- Adjustable mushroom-head roller pins ensure smooth operation
- Allows to open sash to a full 90" for precise adjustment
- 1/8" adjustment provides maximum seal compression
- High-strength all stainless steel locking bar design
- Load capacity up to 500 lbs per locking point for maximum DP ratings

NOVA® Slim Casement Locking Handle by ASSA ABLOY

A revolutionary new development in casement window hardware, the NOVA® Slim casement locking handle is a super low-profile design, eliminating interference with blinds and window treatments. This sleek, sophisticated solution is the first of its kind applying an aesthetic flush mount design; and works in conjunction with the NOVA® multi-point casement locking solution, engineered to optimize security, ease of operation and flexibility through its innovative features.

NOVA® Slim Casement Locking Handle Features

- Super low profile with only 5/16” projection
- Handle retainer features brush gasket to provide insect barrier
- +/- 1 mm adjustment ensures maximum seal compression





Hinges allow sash to open to a full 90 degrees for full ventilation and convenience

SECURISTYLE
4-BAR HINGES BY ASSA ABLOY

These corrosion resistant, all stainless steel 4-bar hinges for casement and awning applications feature an asymmetrical design to maximize weather sealing as well as high gust loading.

Securistyle 4-Bar Casement Hinges Features

- Asymmetric design maximizes weather sealing and negative pressure ratings
- Supports awning sashes up to 87” high and 264 lbs
- Supports casement sashes up to 33” wide and 103 lbs
- Egress versions available
- Composite slider eliminates metal on metal wear



NOVA® BY ASSA ABLOY CASEMENT OPERATORS

NOVA® Casement and Awning operators are expertly engineered to deliver superior performance and unprecedented flexibility. The series features a patented two-directional fixing design for superior strength and stability. The NOVA® operator and hinge combination is designed to provide ideal geometry for high-performance and pleasing aesthetics.

Casement Operator Features

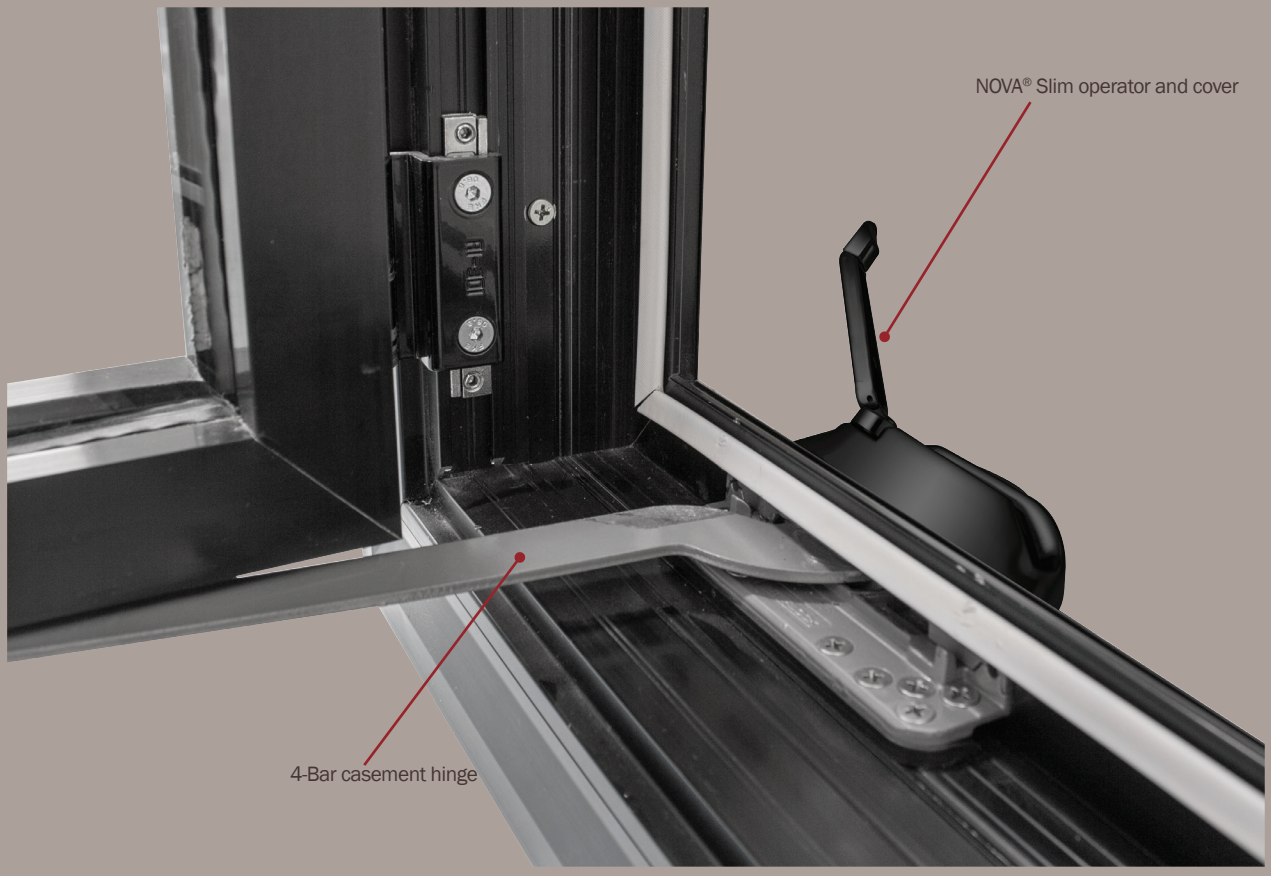
- Optimized gear ratio for smooth operation of large sashes
- Patented two-directional fixing design and pre-fitted foam gasket for maximum air/water performance
- Multiple fixing locations for greater mounting flexibility



White operator cover for Casements and Awnings



Almond operator cover for Casements and Awnings









GS COMBINATION UNITS

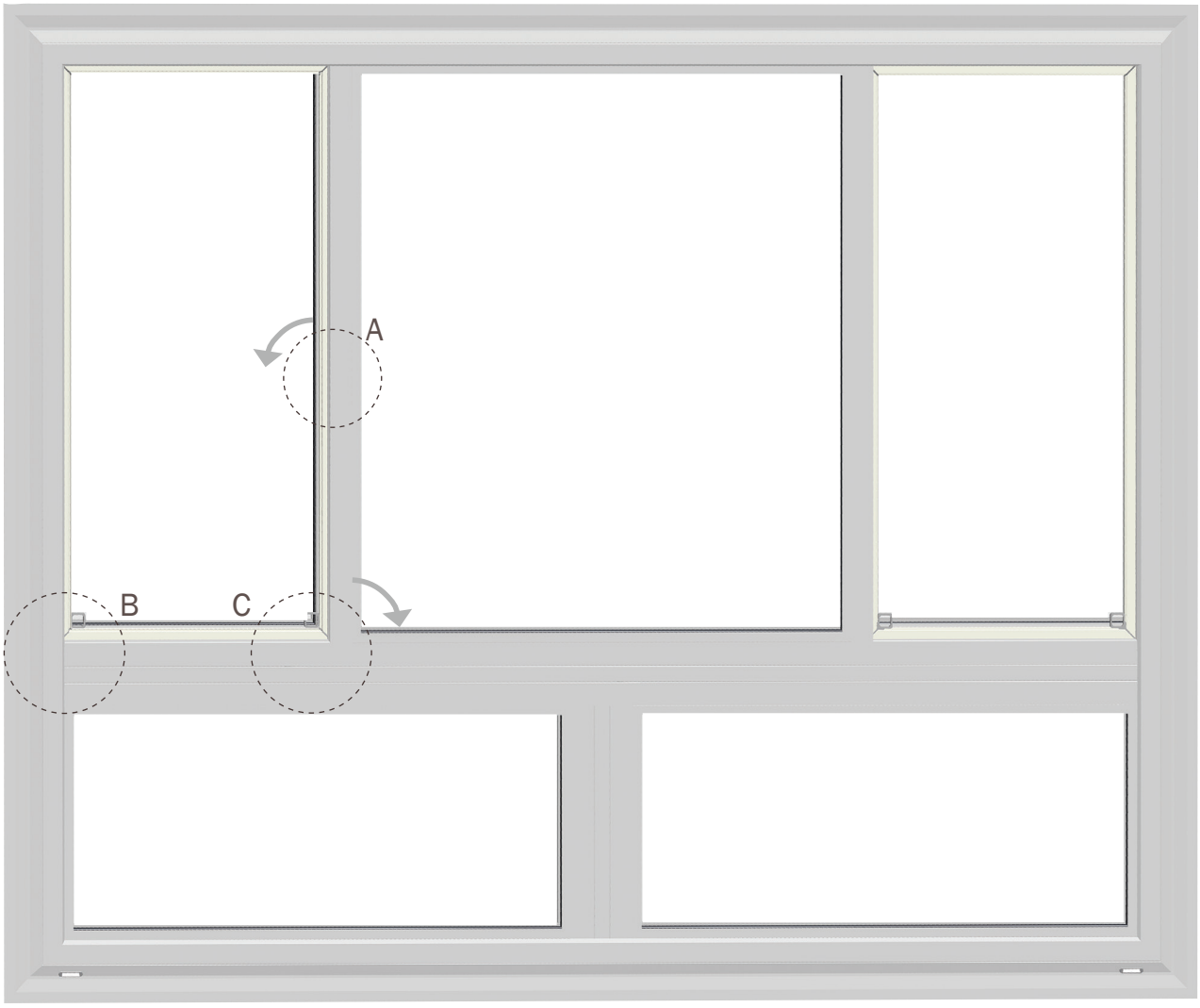
Galaxy Windows and Doors Series GX-2200 add function and Beauty to any project. Designed to integrate modern window technology with clean beautiful lines, all while staying budget friendly. A modern beveled frame creates added thickness and multiple chambered airspace that increases thermal efficiencies. The increased frame width allows for ¾" glass units containing state of the art glass technology.

FPO

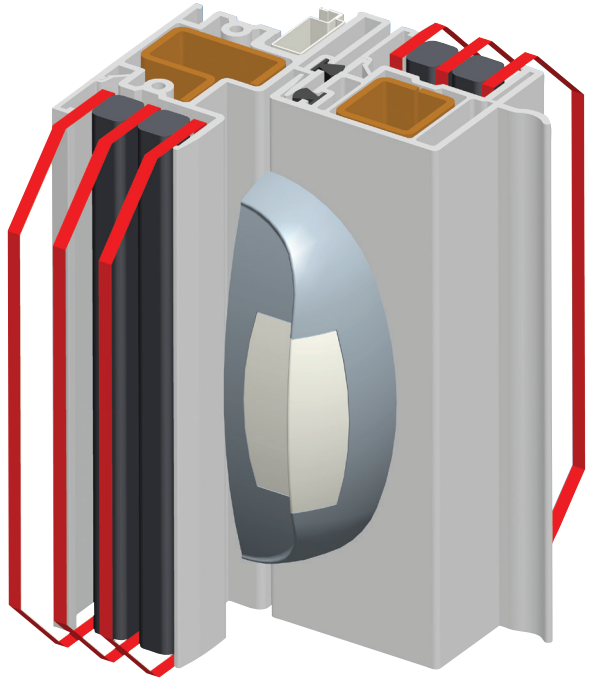
Cardinal 366 glass comes standard with argon filled interior. So, whether your looking to upgrade the aesthetics of your building or reduce your cooling and heating bills with the latest in thermal technology Galaxy Series is the perfect fit for any project.

XOX B2

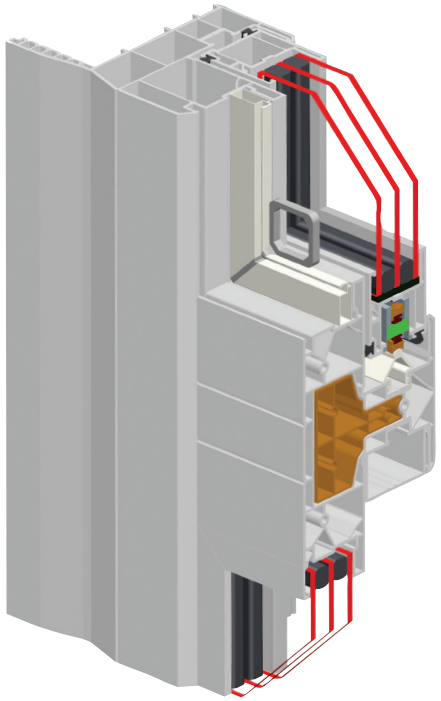
THREE PANEL SLIDER WITH TWO PICTURE WINDOWS ON BOTTOM



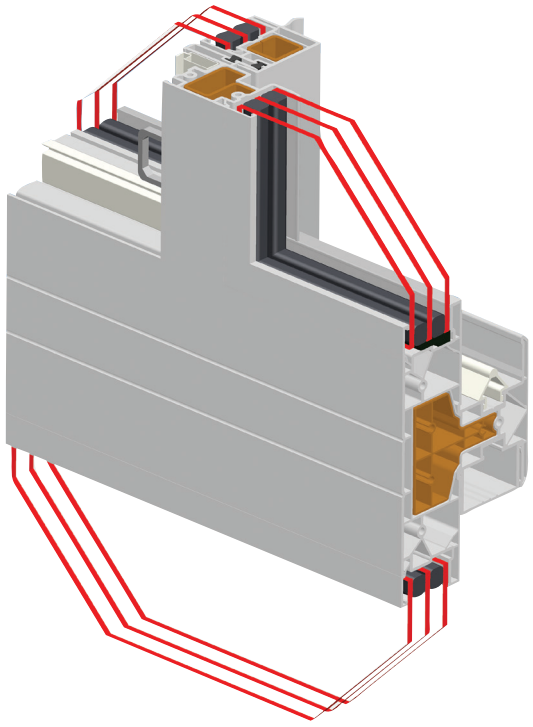
A-1 Sectional Drawing Horizontal Mullion Outside View



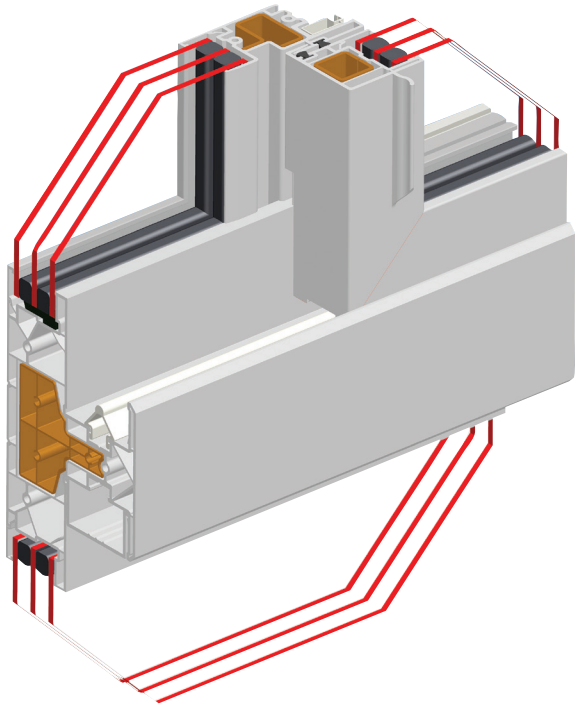
B-1 Sectional Drawing Horizontal Mullion Outside View



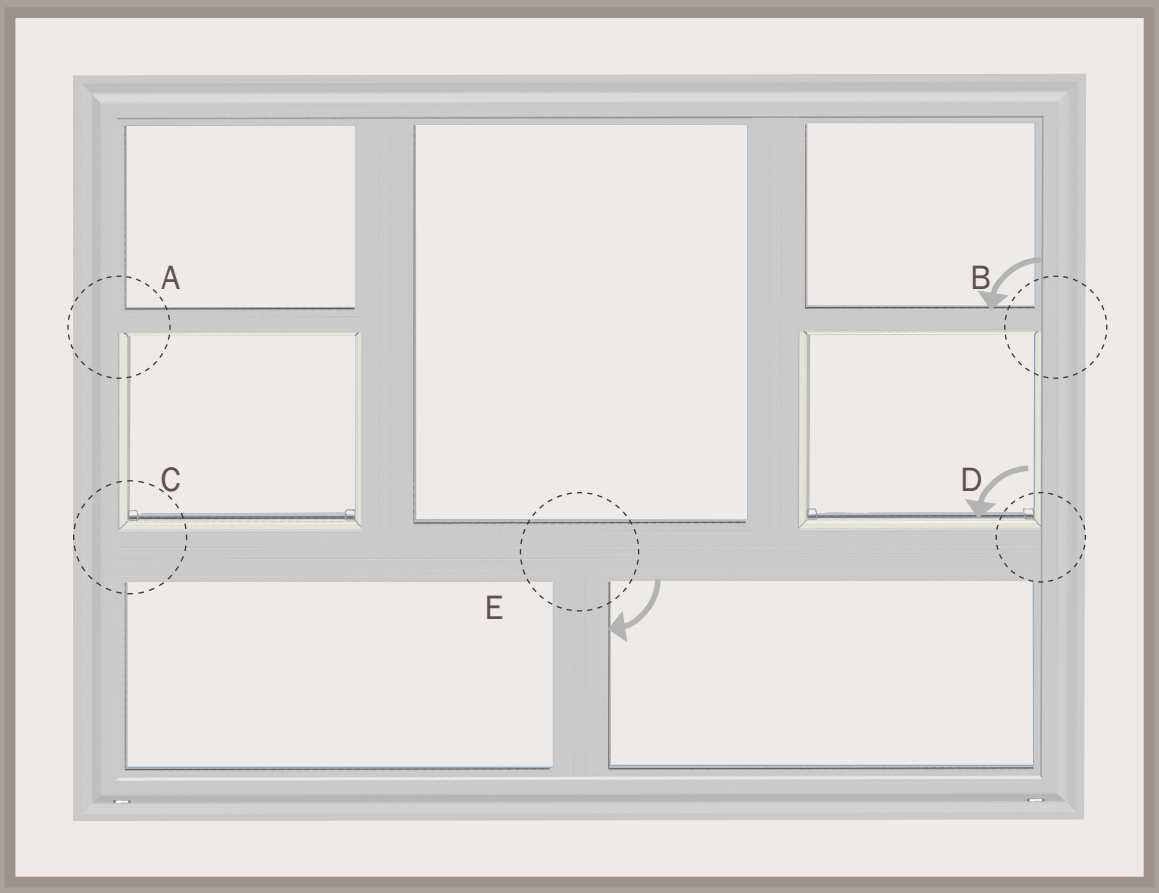
C-1 Vertical Mullion Outside View, Sectional Drawing



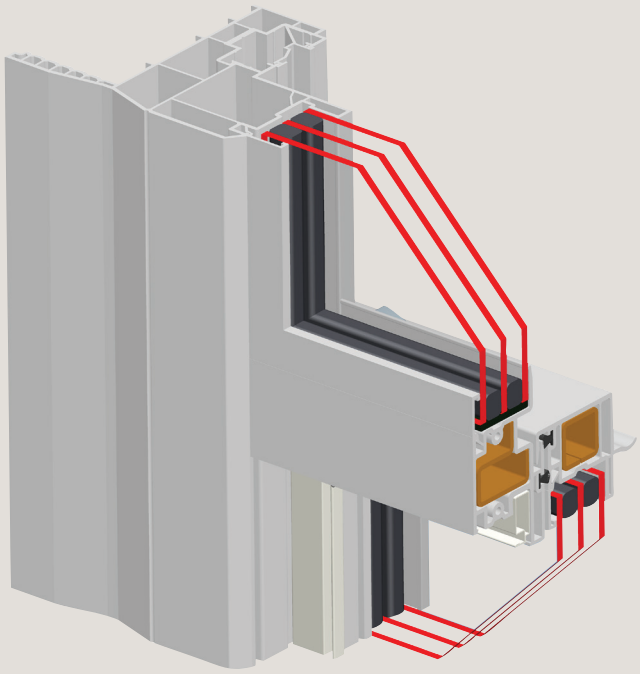
C-2 Vertical Mullion Inside View, Sectional Drawing



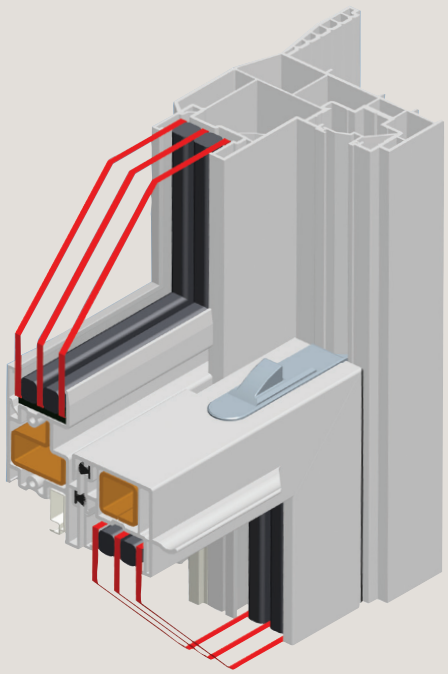
SHOSH B2
TILT-IN SINGLE HUNG ~ PICTRURE ~ TILT-IN SINGLE HUNG WITH TWO PICTURE WINDOWS ON BOTTOM



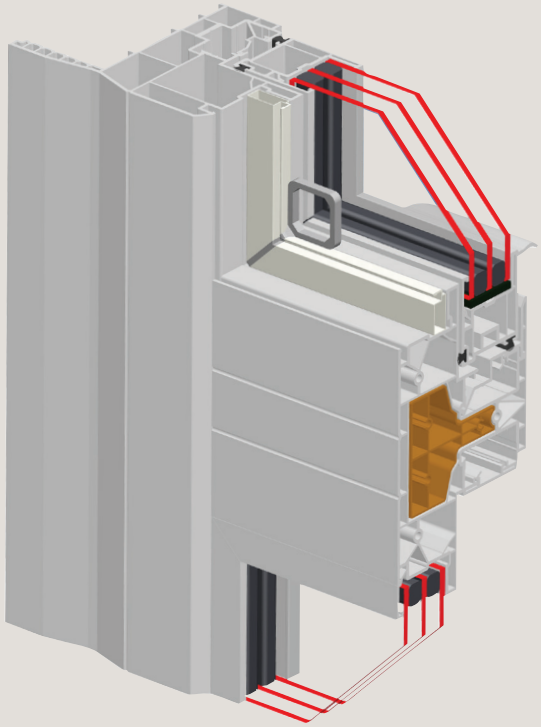
A Sectional Drawing Horizontal Mullion Outside View



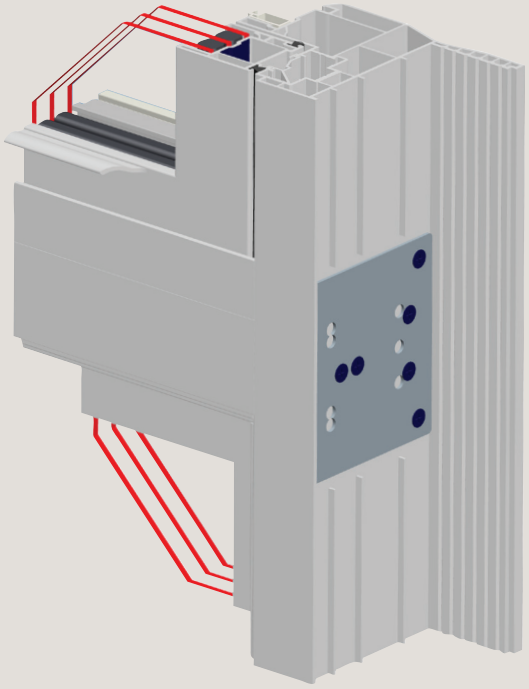
B Sectional Drawing Horizontal Mullion Inside View



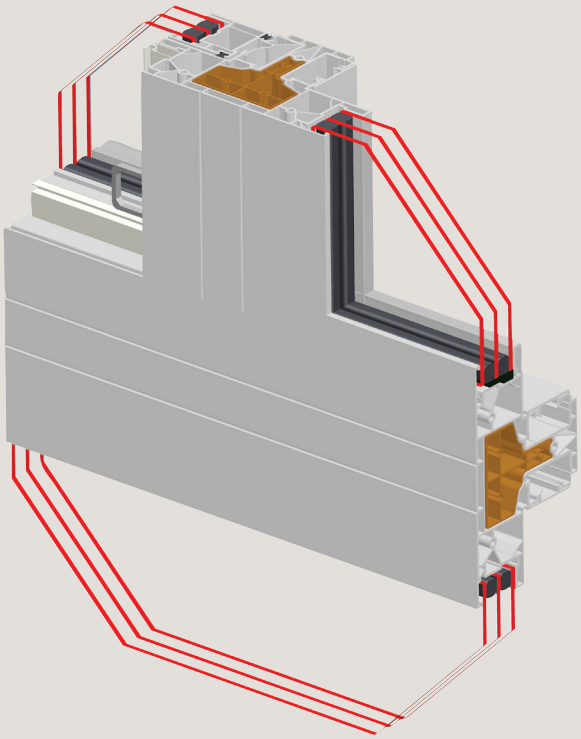
C Horizontal Mullion Inside view



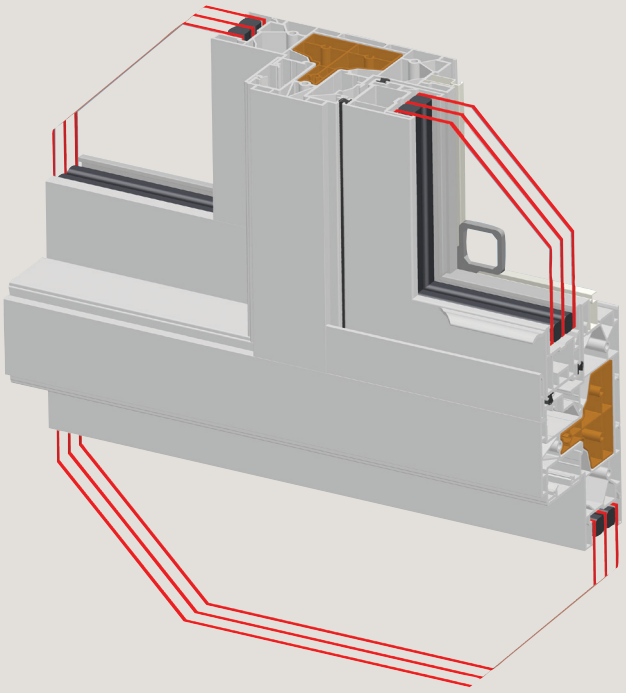
D Horizontal Mullion Inside view



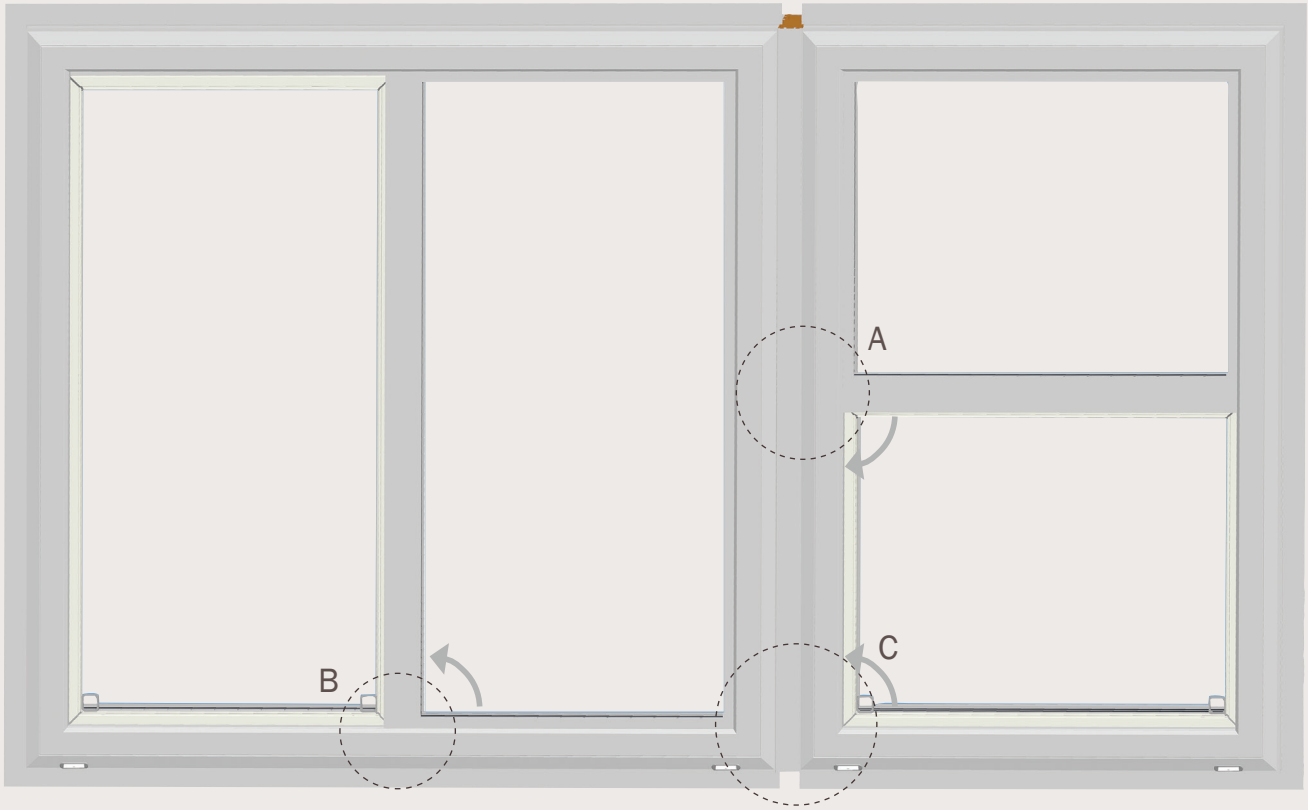
E-1 Sectional Drawing Horizontal Mullion Outside View



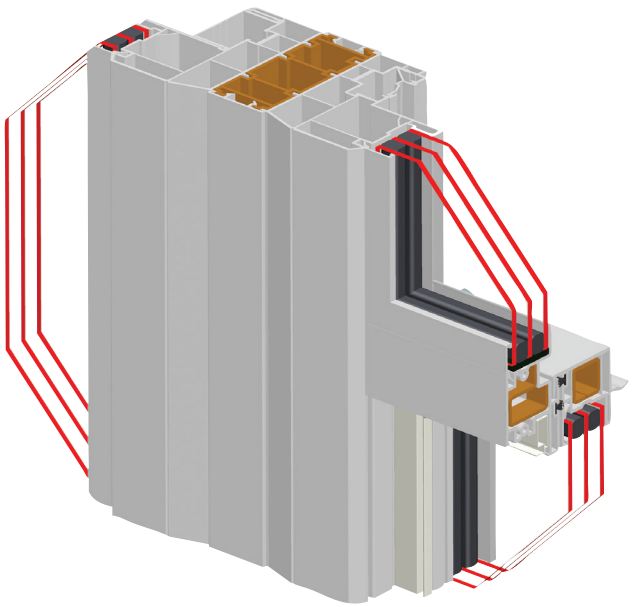
E-2 Sectional Drawing Vertical Mullion Outside View



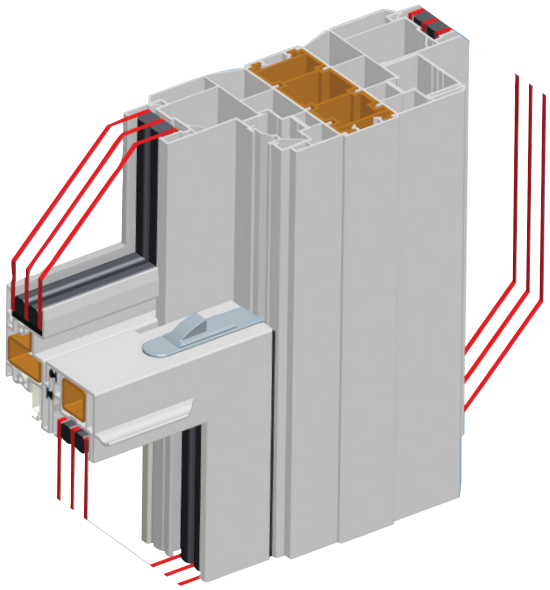
XO-SHT HORIZONTAL SLIDING WINDOW-SINGLE HUNG UNIT



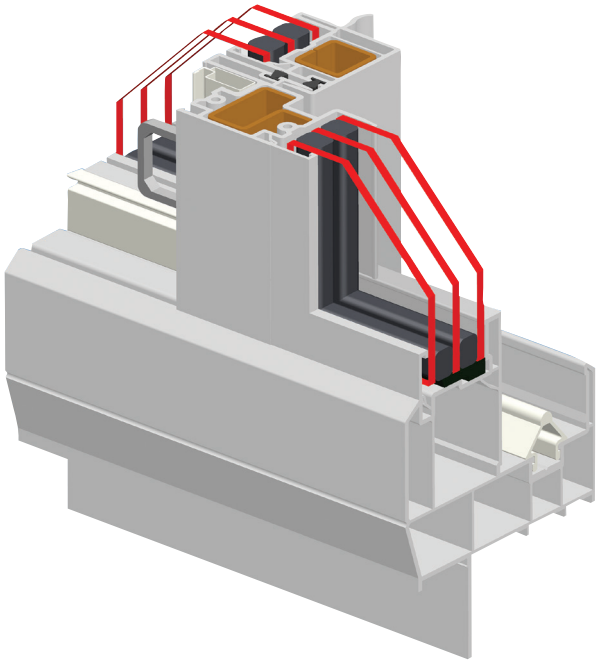
A-1 **Sectional Drawing Vertical Mullion Exterior view at Interlock**



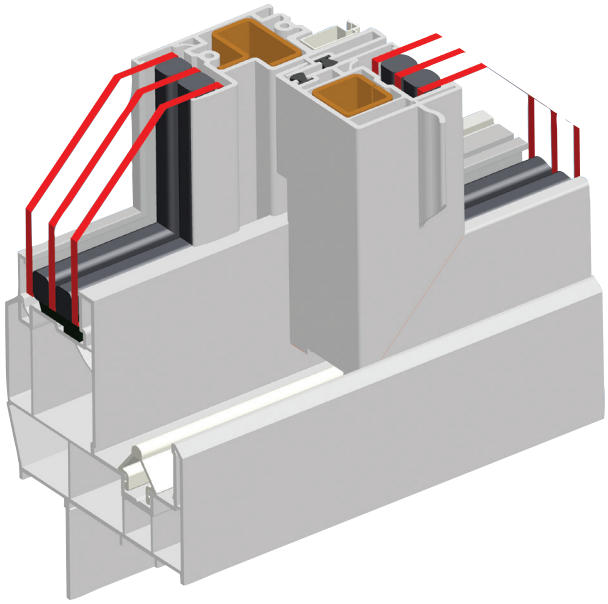
A-2 **Sectional Drawing Vertical Mullion Interior view at Interlock**



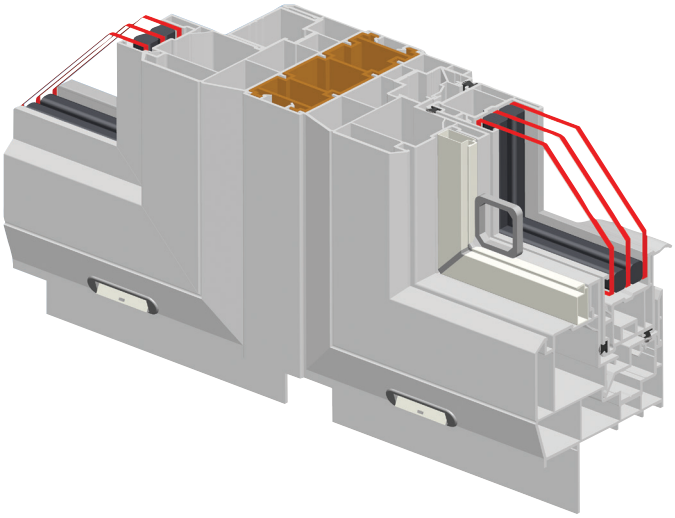
B-1 Sectional Drawing Horizontal
Mullion Exterior View at Interlock



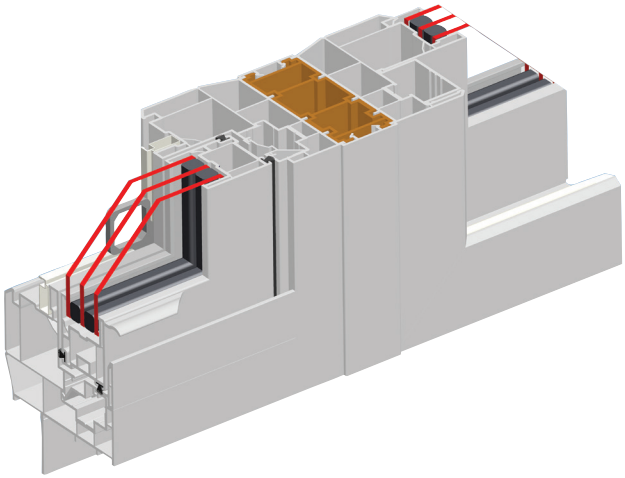
B-2 Sectional Drawing Horizontal
Mullion Interior View at Interlock



C-1 Sectional Drawing
Vertical Mullion Exterior View at Sill



C-2 Sectional Drawing
Vertical Mullion Interior View at Sill







GS PROJECTED WINDOWS

Galaxy Windows and Doors Series GX-2200 add function and Beauty to any project. Designed to integrate modern window technology with clean beautiful lines, all while staying budget friendly. A modern beveled frame creates added thickness and multiple chambered airspace that increases thermal efficiencies. The increased frame width allows for ¾" glass units containing state of the art glass technology.

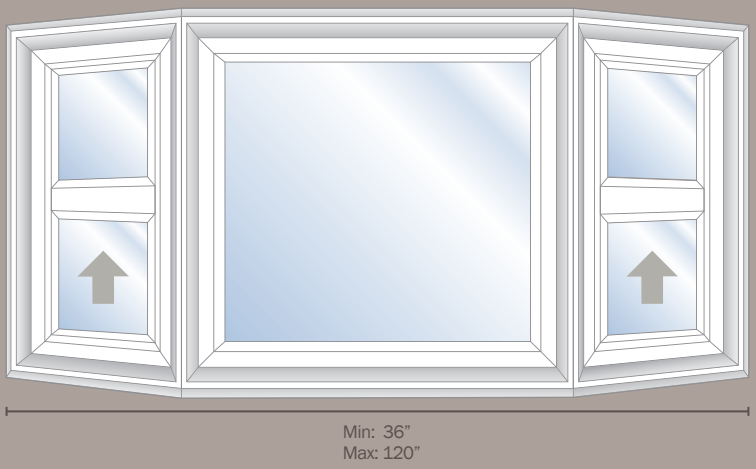
FPO

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45° BAY WINDOWS

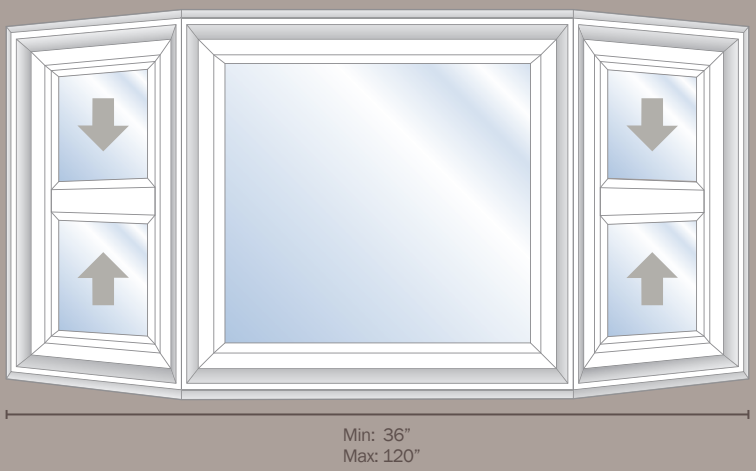
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45° BAY WITH SINGLE HUNG FLANKERS



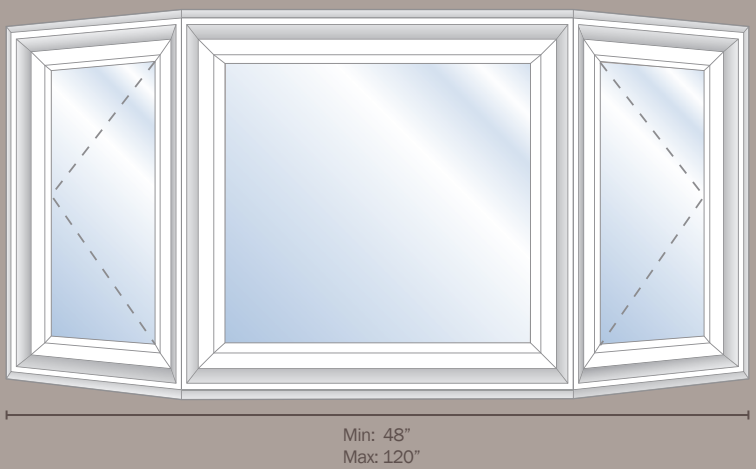
- 36" ≤ W ≤ 48"
  SH W = 12-7/8"
- 48" < W ≤ 72"
  SH W = 18-1/2"
- 72" < W ≤ 120"
  SH W = 24-1/4"

45° BAY WITH DOUBLE HUNG FLANKERS



- 36" ≤ W ≤ 48"
  DH W = 12-7/8"
- 48" < W ≤ 72"
  DH W = 18-1/2"
- 72" < W ≤ 120"
  DH W = 24-1/4"

45° BAY WITH CASEMENT FLANKERS

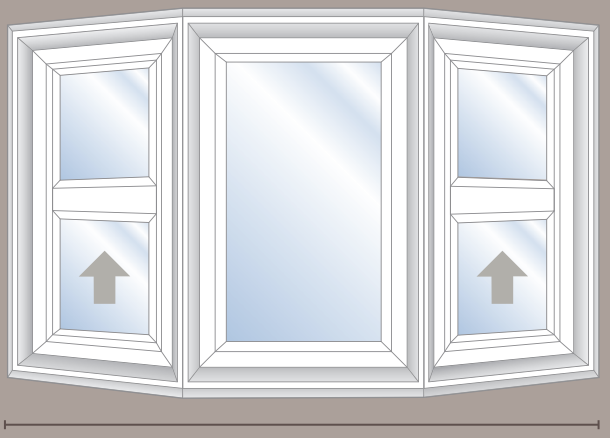


- 48" ≤ W ≤ 72"
  CM W = 18-1/2"
- 72" < W ≤ 120"
  CM W = 24-1/4"

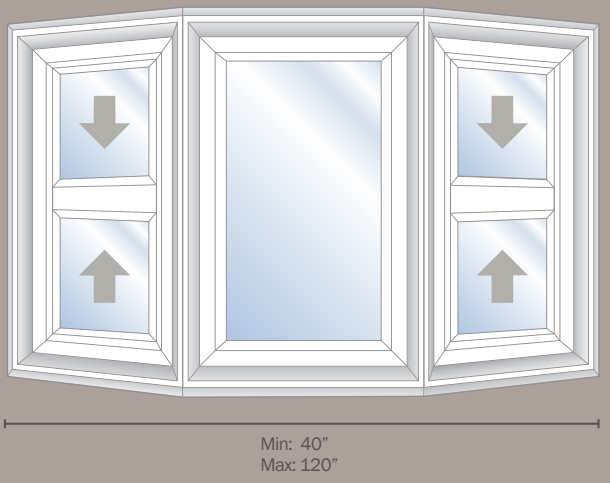
15° 3 SEGMENT BOW WINDOWS

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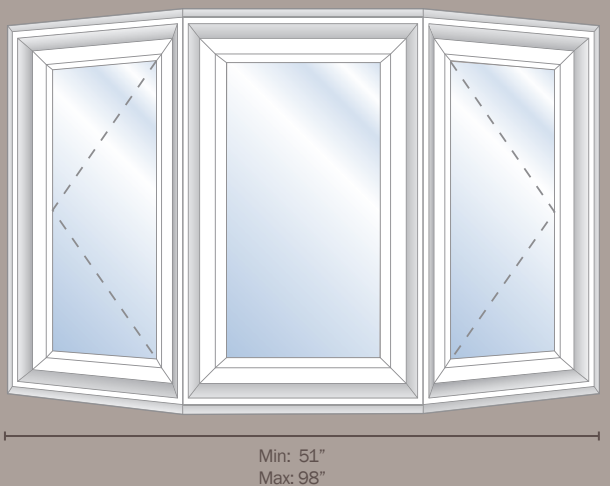
15° 3 SEGMENT BOW WITH SINGLE HUNG FLANKERS



15° 3 SEGMENT BOW WITH DOUBLE HUNG FLANKERS



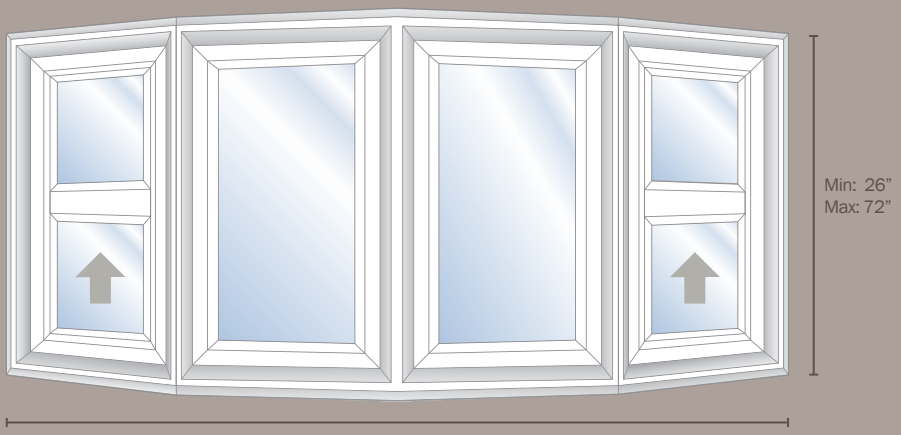
15° 3 SEGMENT BOW WITH CASEMENT FLANKERS



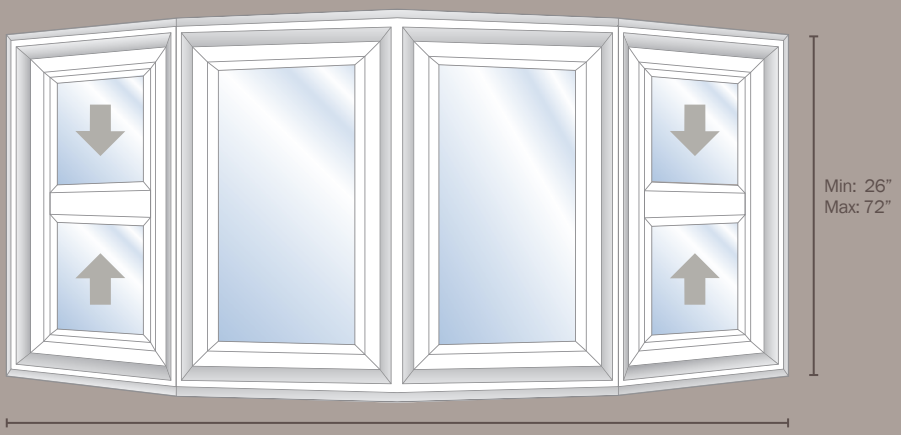
15° 4 SEGMENT BOW WINDOWS

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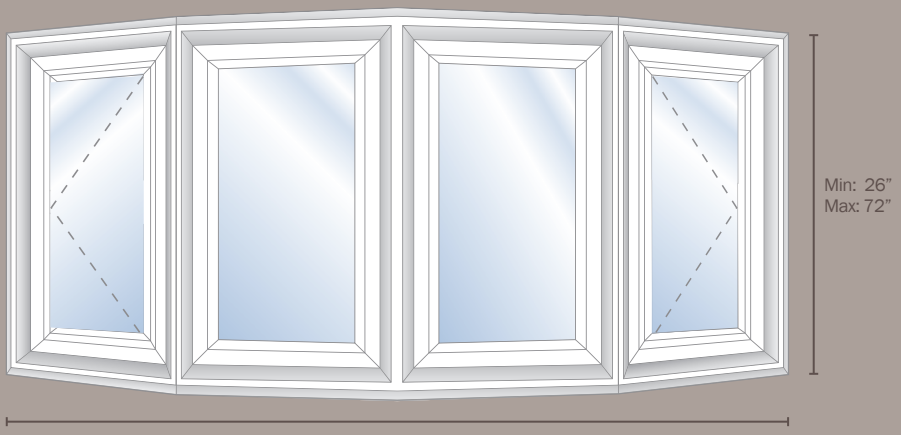
15° 4 SEGMENT BOW WITH SINGLE HUNG FLANKERS



15° 4 SEGMENT BOW WITH DOUBLE HUNG FLANKERS



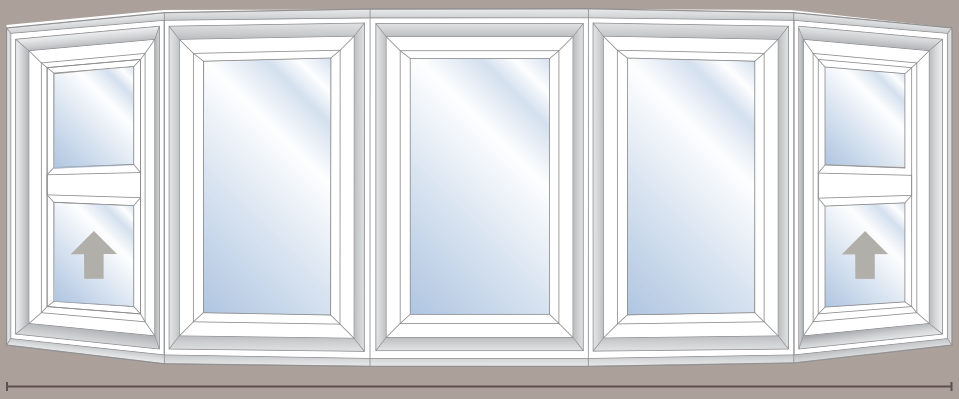
15° 4 SEGMENT BOW WITH CASEMENT FLANKERS



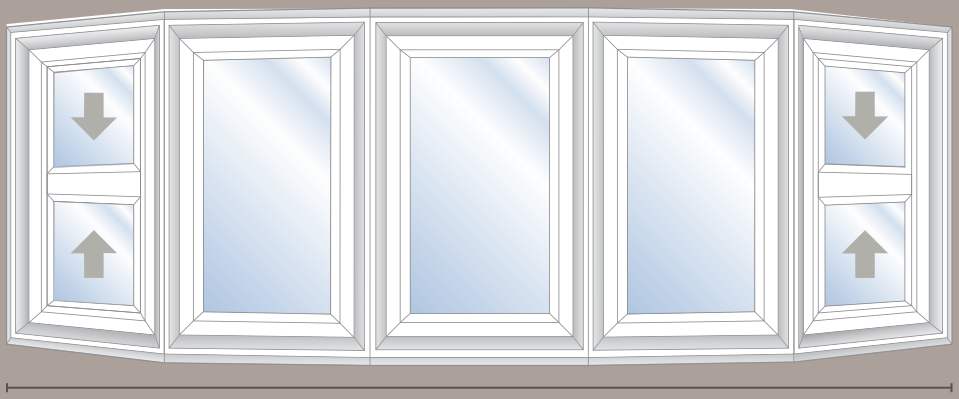
15° 5 SEGMENT BOW WINDOWS

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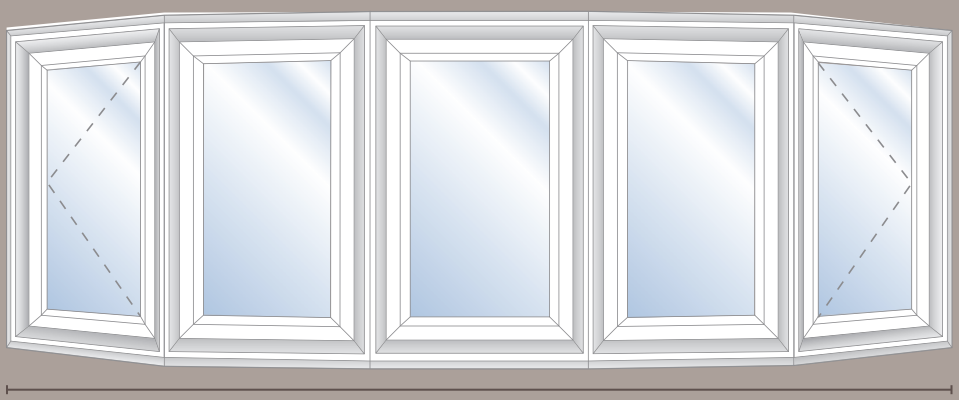
15° 5 SEGMENT BOW WITH SINGLE HUNG FLANKERS



15° 5 SEGMENT BOW WITH DOUBLE HUNG FLANKERS

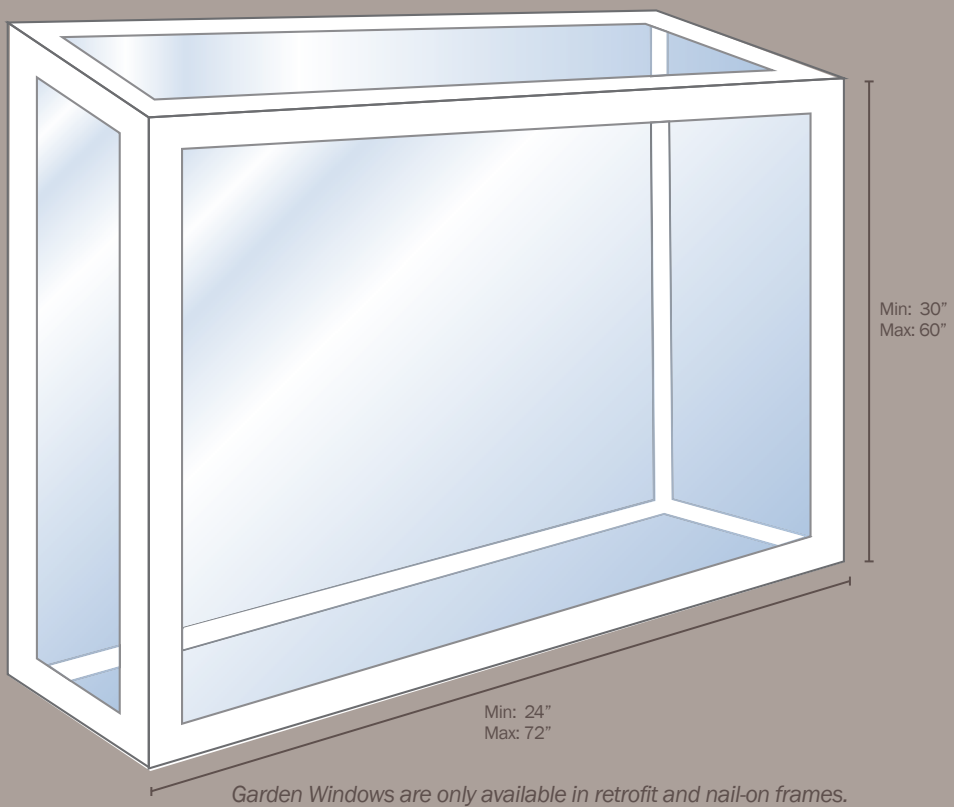


15° 4 SEGMENT BOW WITH CASEMENT FLANKERS



GARDEN WINDOWS

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Garden Windows are only available in retrofit and nail-on frames.



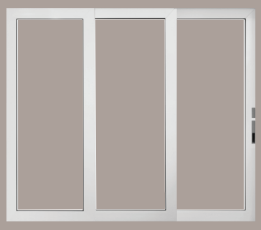






GS-2321 SLIDING PATIO DOORS

Being exposed to permanent, or even only to a short-term but intensive, noise, can lead to a harmful impact on human health. Thus, noise protection is an imperative. We can provide you with the best possible protection against unwanted negative noise effects.



GS-2323 MULTI-SLIDING & POCKET DOORS

Being exposed to permanent, or even only to a short-term but intensive, noise, can lead to a harmful impact on human health. Thus, noise protection is an imperative. We can provide you with the best possible protection against unwanted negative noise effects.



GS-2324 FOLDING DOORS

Being exposed to permanent, or even only to a short-term but intensive, noise, can lead to a harmful impact on human health. Thus, noise protection is an imperative. We can provide you with the best possible protection against unwanted negative noise effects.



GS-2322 SWING DOORS

Being exposed to permanent, or even only to a short-term but intensive, noise, can lead to a harmful impact on human health. Thus, noise protection is an imperative. We can provide you with the best possible protection against unwanted negative noise effects.







GS SLIDING PATIO DOORS

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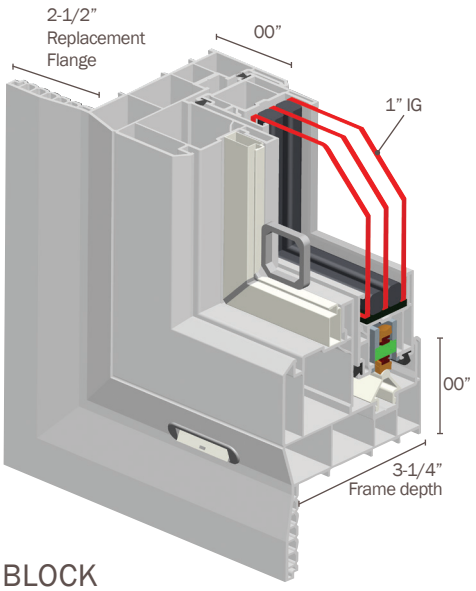
FPO

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FRAME TYPES

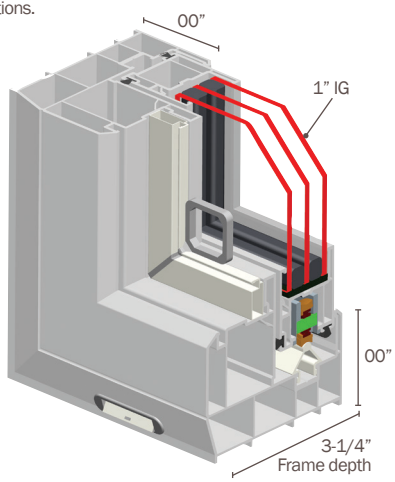
RETROFIT

For replacement applications. This frame type allows convenient installation without the need to break stucco.



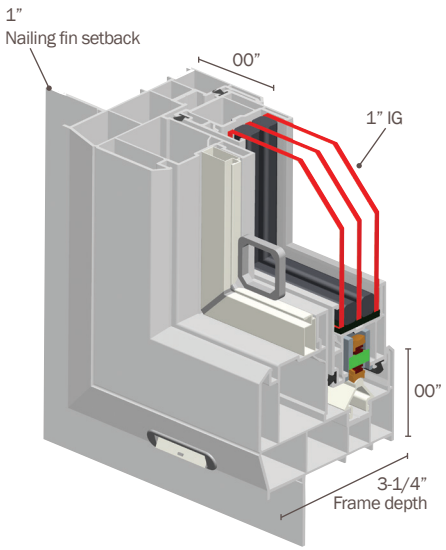
BLOCK

Block frame is suitable for some replacement and new construction applications.



NAIL-ON

Nail-on frame allows for targeted installation in new construction applications and is available in 1" and 1-3/8" setback.



SLIDING DOORS FEATURES & BENEFITS

Easy operation
Dual metal rollers are durable and help insure smooth openings and closings.

A tight seal
Value's multiple weather-strips give you protection against air infiltration

Simple to clean
Sliding sash can be removed to clean exterior glass from inside your home

Design
Elegant beveled frame design with multiple glass, grid, and configurations available

Security
Auto locks insure that every time you close the window your home is sealed, giving you security and peace of mind.

FPO

Structural Integrity
The mechanically fastened joints of aluminum frames may admit air and water. Fusion-welded uPVC joints create an impervious seal.

Maintenance
Unlike aluminum and wood, uPVC is virtually maintenance free. It never needs paint, and requires only an occasional wash and wipe to clean.

Weatherability
Metals can corrode from exposure to weather and pollution. uPVC is naturally resistant to moisture and atmospheric pollutions such as acids, alkalis and salt air making it the prefect material to stand the test of time.

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.

STANDARD COLORS

White

Almond

Options

- Standard and custom sizes
- Factory stacking and mulling options in many different combinations
- AAMA and NFRC certified to meet or exceed industry structural and energy efficiency standards
- May be ordered to meet ENERGYSTAR® requirements
- Lifetime Warranty includes glass breakage

EXCEPTIONAL DESIGN



KEY FEATURES

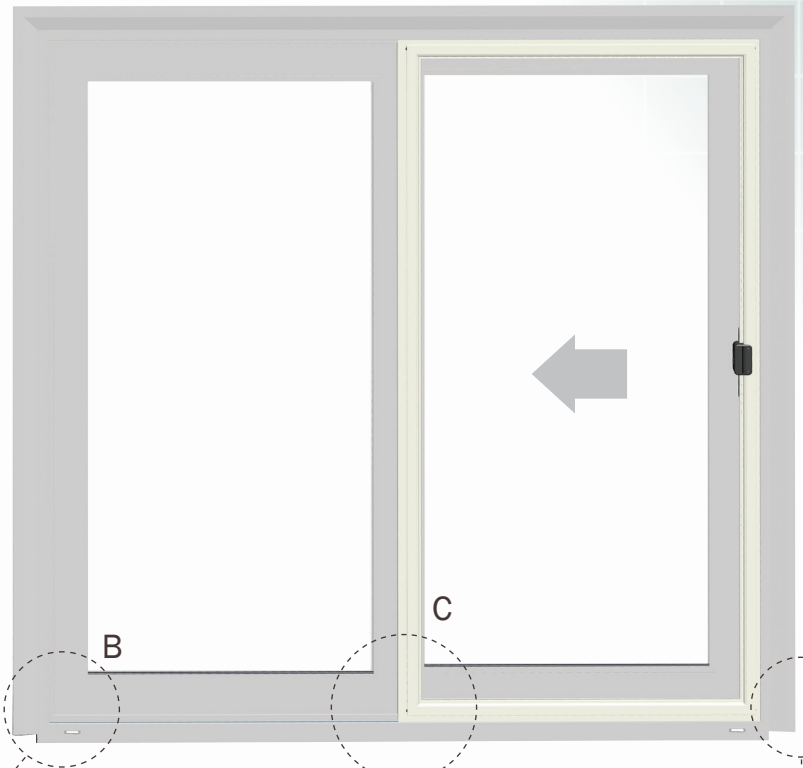
- Steel reinforced door panels
- Steel reinforced interlock
- Multi-chamber extruded vinyl
- Duaralite warm edge spacer with no metal components

THERMAL, STRUCTURAL, & SOUND PERFORMANCE

Sliding GS Patio Doors XO				Thermal Performance					Structural Performance	Sound Transmission Class
Glazing				Grids	U Factor	SHGC	VT	CR Condensation Resistance		
Triple	2.2 mm LoE3	2.2 mm Clear	2.2 mm LoE3	None	0.19	.18	.35	CR 67	**Class LC-35** Size tested 72 x 59”	**STC 34** 1” IG [1/8” annealed exterior, 5/8” air space, 1/4” laminated interior]
				3/4 -5/8”		.16	.31			
				>1”		.15	.27			

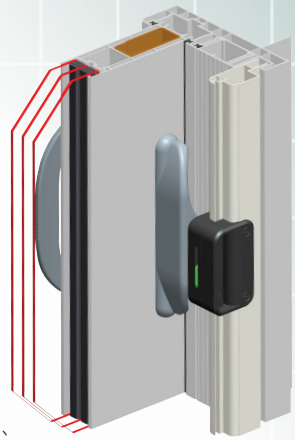
As tested with LoE3 glass, Duralite Spacer and Argon gas filled combined with clear glass.

GS
OX SLIDING
PATIO DOOR



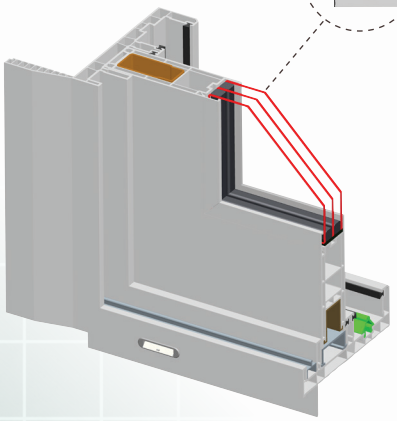
A GS CASEMENT CROSS SECTION

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.



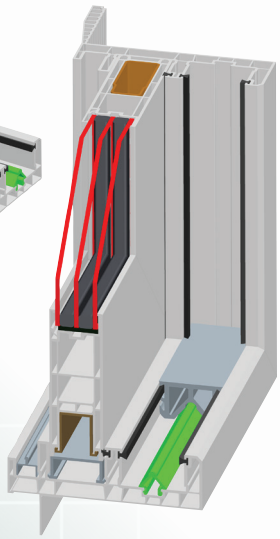
B-1 GS CASEMENT CROSS SECTION

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.



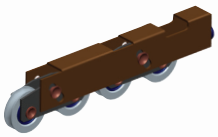
B-2 GS CASEMENT CROSS SECTION

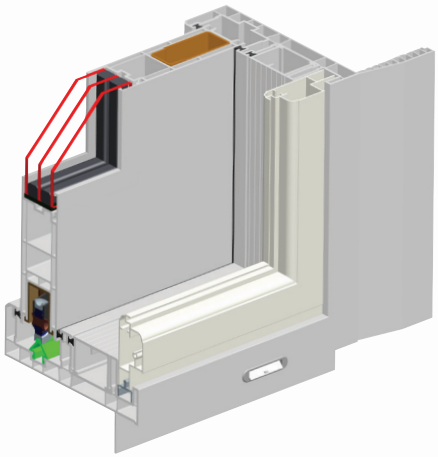
Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered



D GS CASEMENT CROSS SECTION

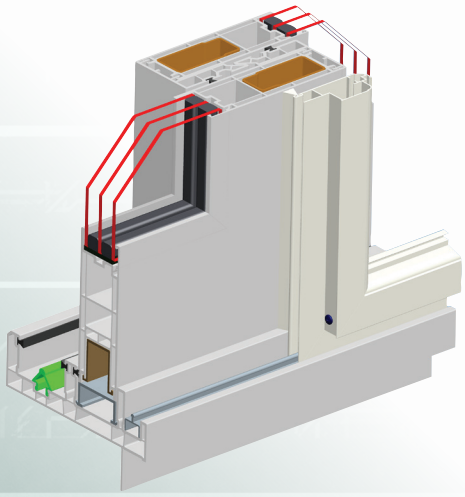
Energy Efficiency The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.





C GS CASEMENT CROSS SECTION

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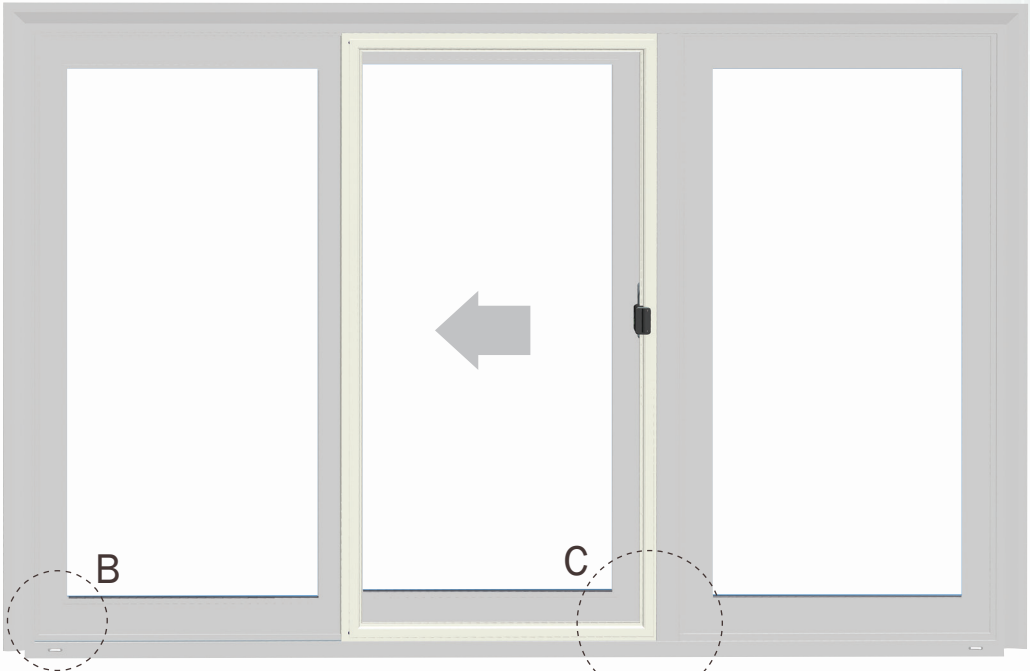




TWO PANEL SLIDING PATIO DOOR XO OUTSIDE VIEW

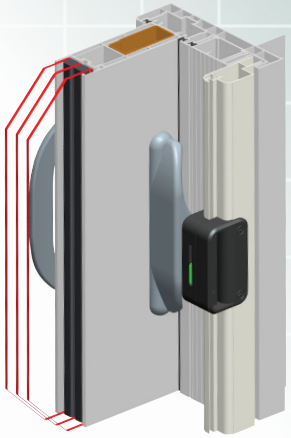


OXO SLIDING PATIO DOOR



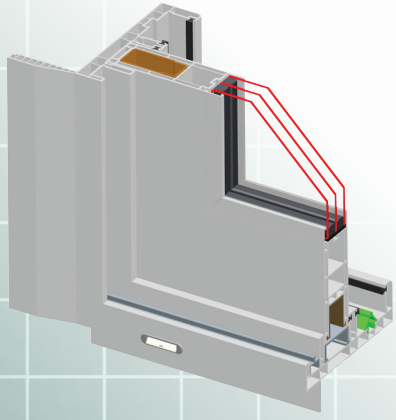
A GS CASEMENT CROSS SECTION

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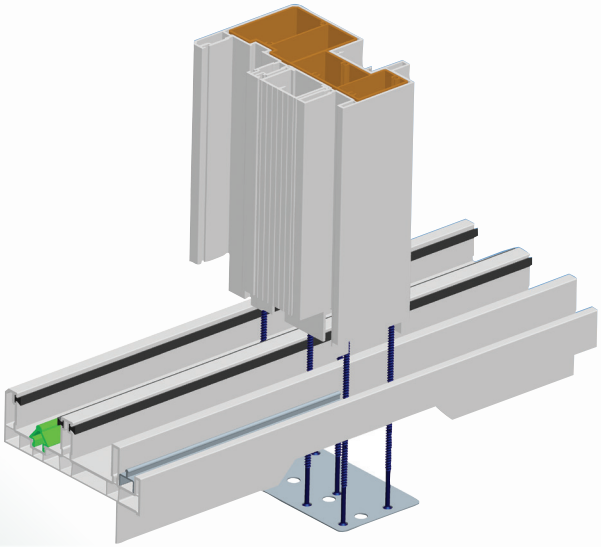
B-1 GS CASEMENT CROSS SECTION

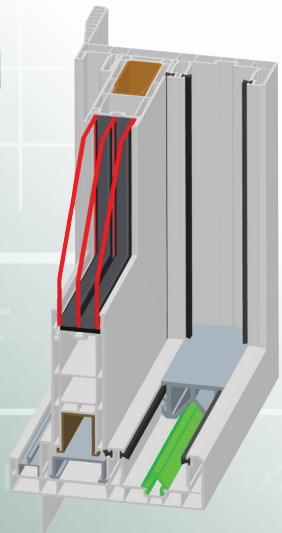
Energy Efficiency
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C GS CASEMENT CROSS SECTION

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B-2 GS CASEMENT CROSS SECTION

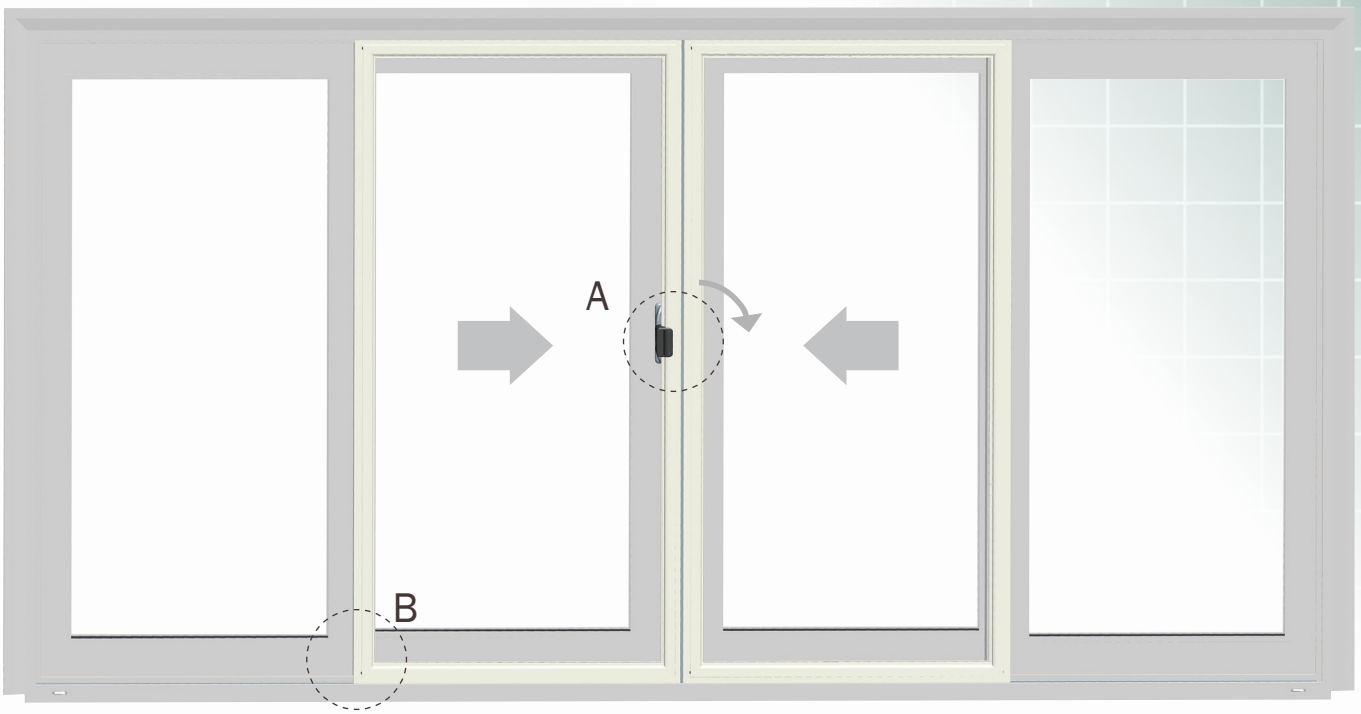
Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered



THREE PANEL SLIDING PATIO DOOR OXO OUTSIDE VIEW

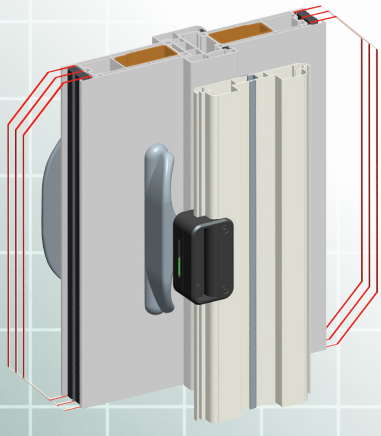


OXXO SLIDING PATIO DOOR



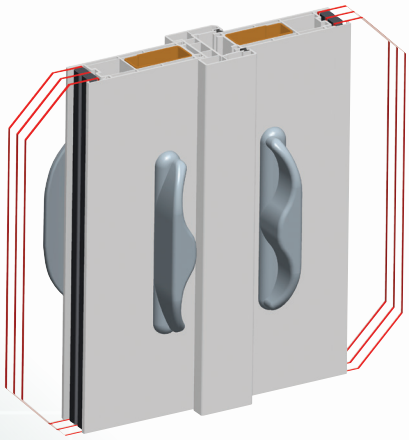
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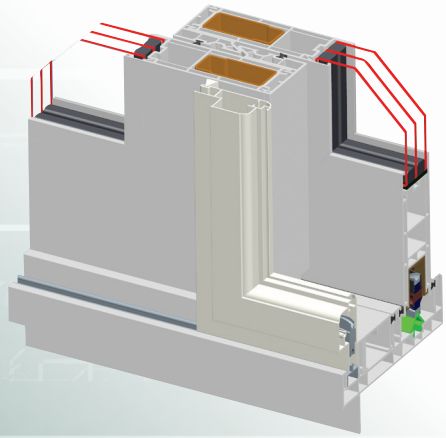
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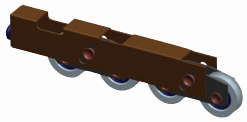
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FOUR PANEL SLIDING PATIO DOOR OXXO OUTSIDE VIEW





DUAL LATCH LOCK & ERGONOMIC HANDLES



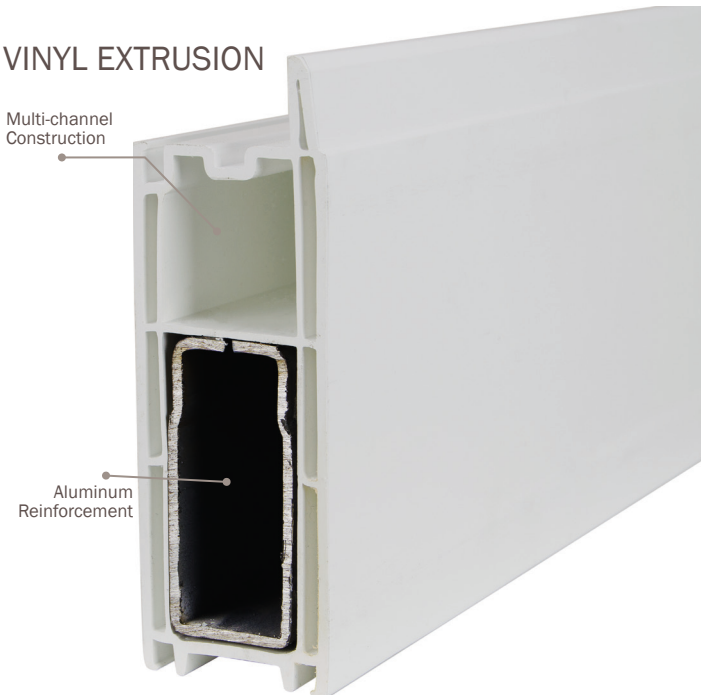
GS Door Handle and Locking system outside view



GS Door Handle and Locking system inside view

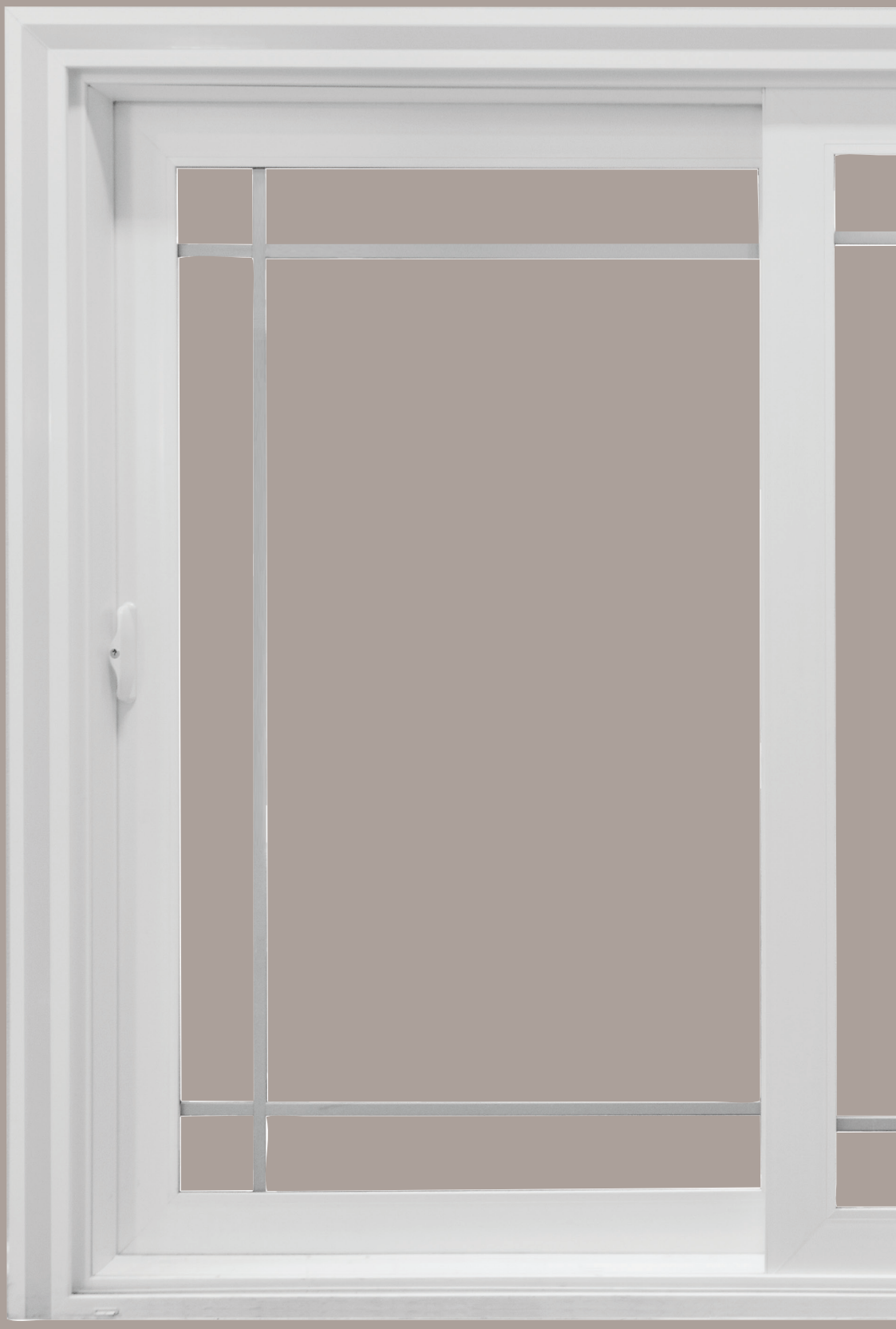
DOOR PANEL VINYL EXTRUSION

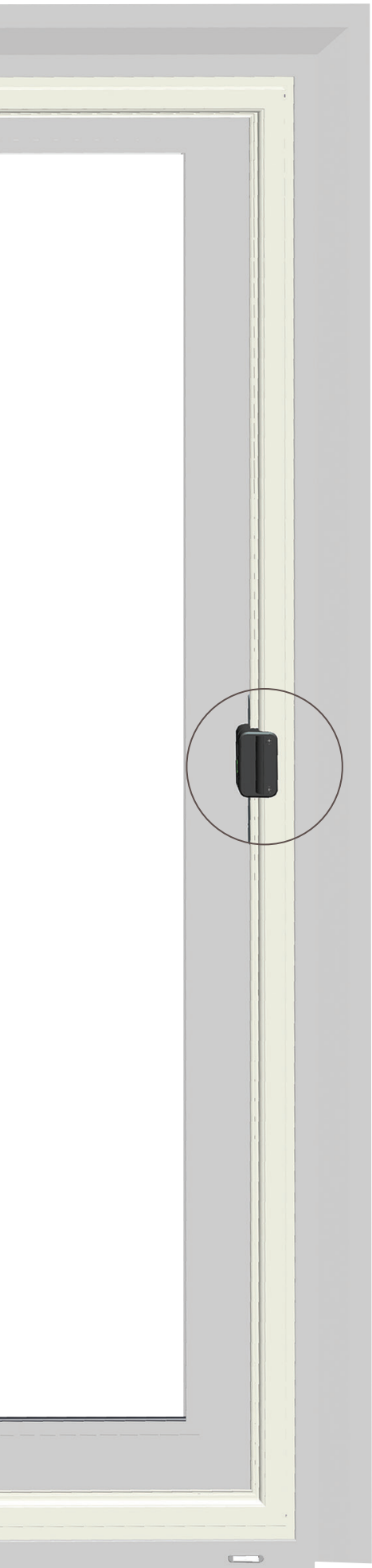
GS sliding doors feature a new dual latch lock which provides extra security and a tight weather seal. New ergonomic handle closes easily in a single motion.



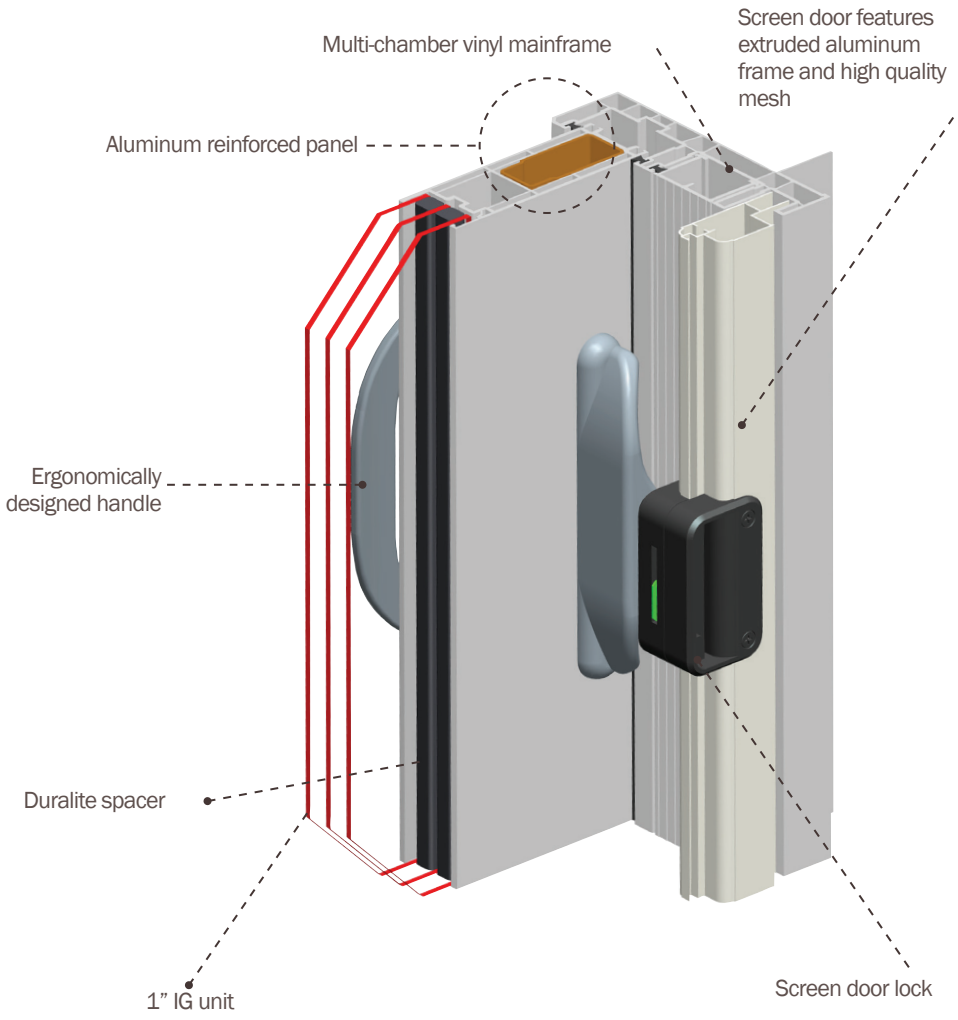


SOLID & DURABLE CONSTRUCTION & DESIGN

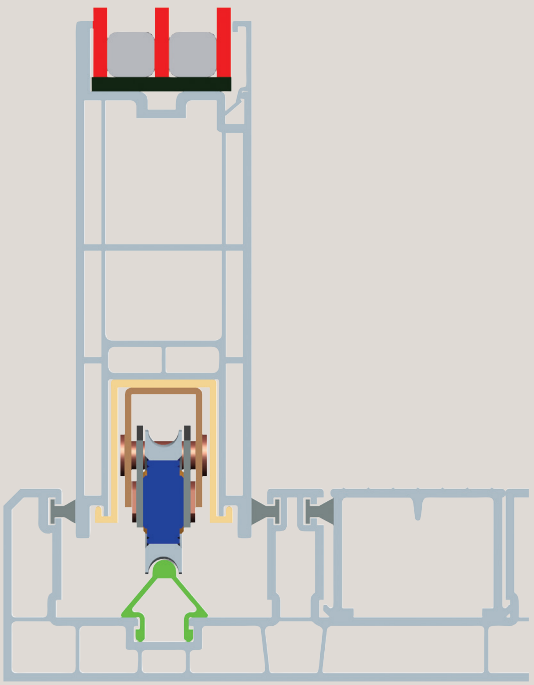




PRECISE ENGINEERING



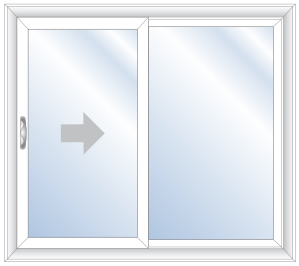
GS
SLIDING PATIO DOOR PROFILE CROSS SECTION



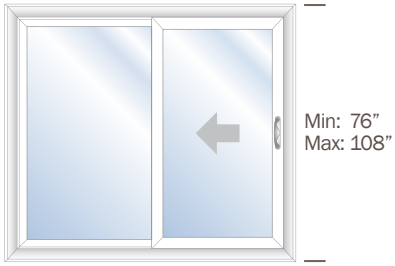
SLIDING PATIO DOORS STYLING

TWO PANEL SLIDING PATIO DOORS

XO

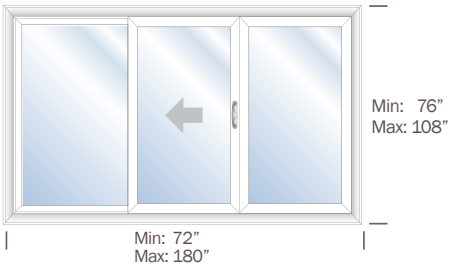


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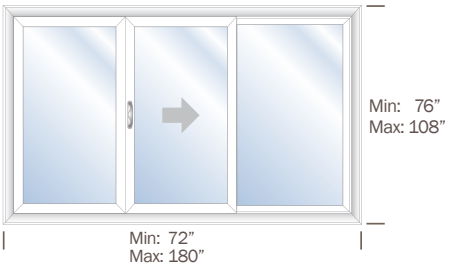


THREE PANEL SLIDING PATIO DOORS

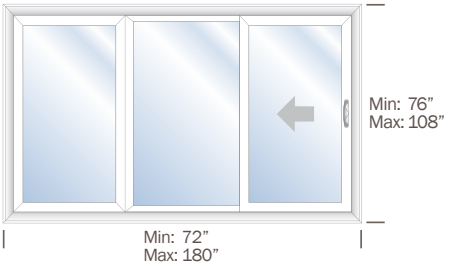
OXO L



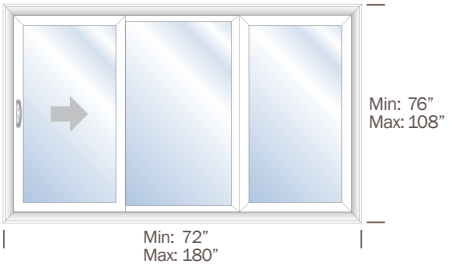
OXO R



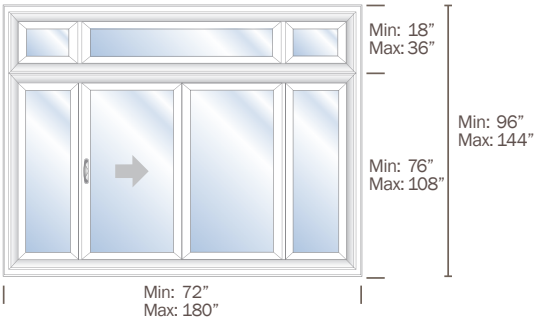
OOX



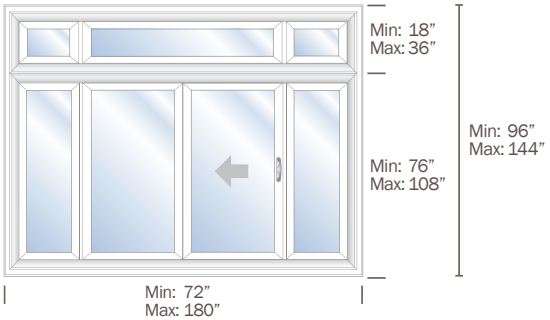
XOO



FXOF T3

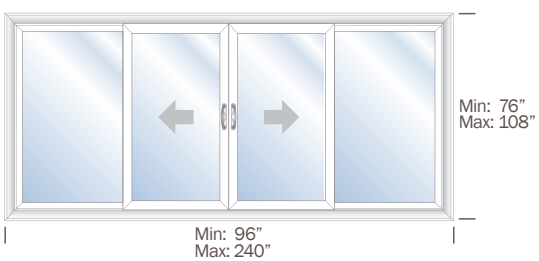


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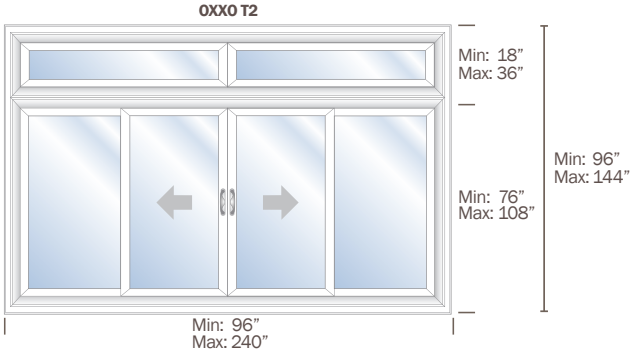


FOUR PANEL SLIDING PATIO DOORS

OXXO



OXXO T2









GS MULTI-SLIDING
& MULTI-SLIDING POCKET DOORS

Galaxy Windows and Doors Series GX-2200 add function and Beauty to any project. Designed to integrate modern window technology with clean beautiful lines, all while staying budget friendly. A modern beveled frame creates added thickness and multiple chambered airspace that increases thermal efficiencies. The increased frame width allows for ¾" glass units containing state of the art glass technology.

FPO

Cardinal 366 glass comes standard with argon filled interior. So, whether your looking to upgrade the aesthetics of your building or reduce your cooling and heating bills with the latest in thermal technology Galaxy Series is the perfect fit for any project.

MULTI-SLIDING DOORS FEATURES & BENEFITS

Easy operation
Dual metal rollers are durable and help insure smooth openings and closings.

A tight seal
Value's multiple weather-strips give you protection against air infiltration

Simple to clean
Sliding sash can be removed to clean exterior glass from inside your home

Design
Elegant beveled frame design with multiple glass, grid, and configurations available

Security
Auto locks insure that every time you close the window your home is sealed, giving you security and peace of mind



Structural Integrity
The mechanically fastened joints of aluminum frames may admit air and water. Fusion-welded uPVC joints create an impervious seal.

Maintenance
Unlike aluminum and wood, uPVC is virtually maintenance free. It never needs paint, and requires only an occasional wash and wipe to clean.

Weatherability
Metals can corrode from exposure to weather and pollution. uPVC is naturally resistant to moisture and atmospheric pollutions such as acids, alkalis and salt air making it the prefect material to stand the test of time.

Energy Efficiency
The superior insulating properties of vinyl designed with heat reducing Multi- chambered profiles and Cardinal 366 glass Reduce Heat transfer up to 3 x that of standard single pane windows.

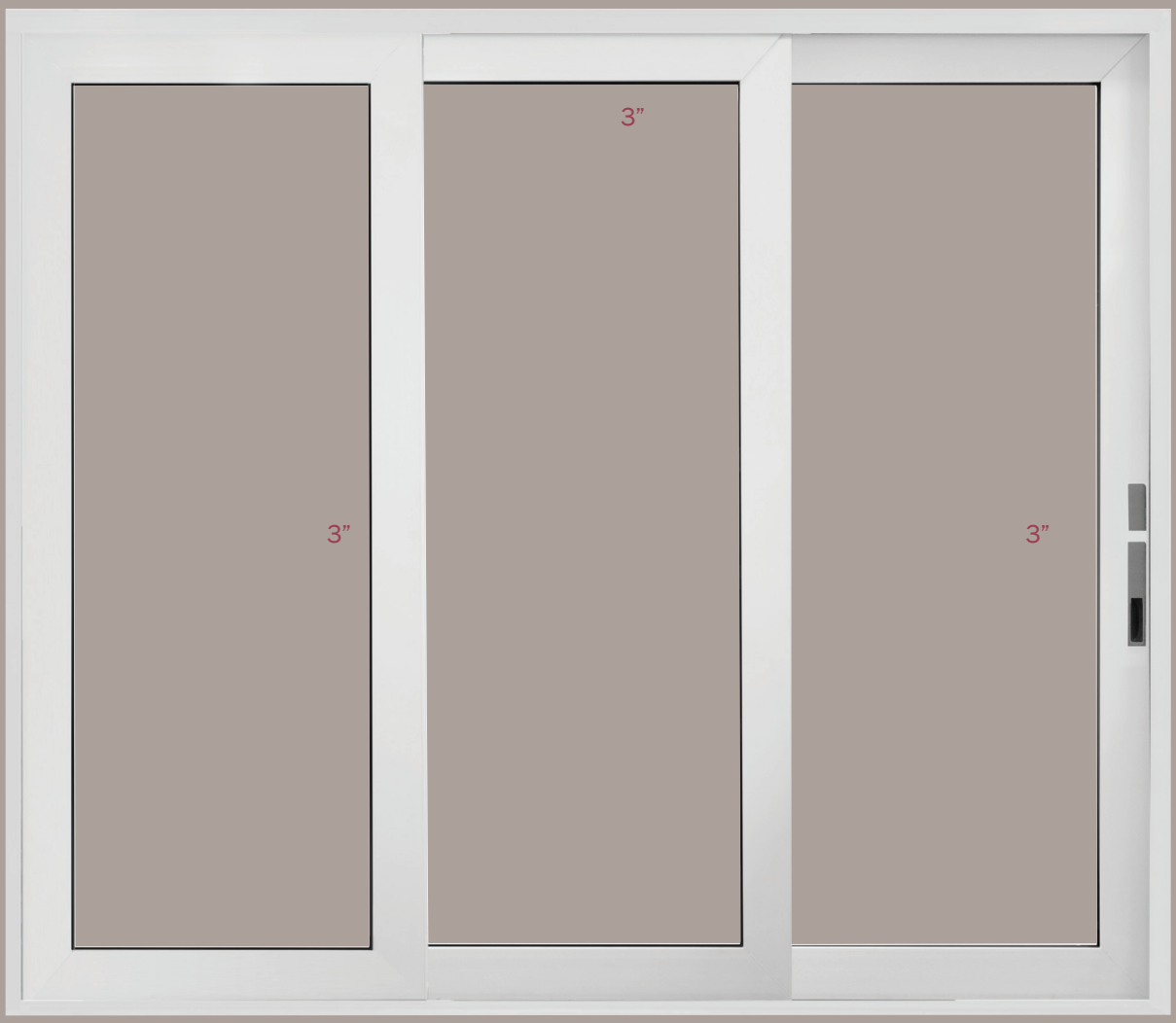
STANDARD COLORS

White

Almond

Options

- Standard and custom sizes
- Factory stacking and mulling options in many different combinations
- AAMA and NFRC certified to meet or exceed industry structural and energy efficiency standards
- May be ordered to meet ENERGYSTAR® requirements
- Lifetime Warranty includes glass breakage



GS Multi-Sliding Door outside view

KEY FEATURES

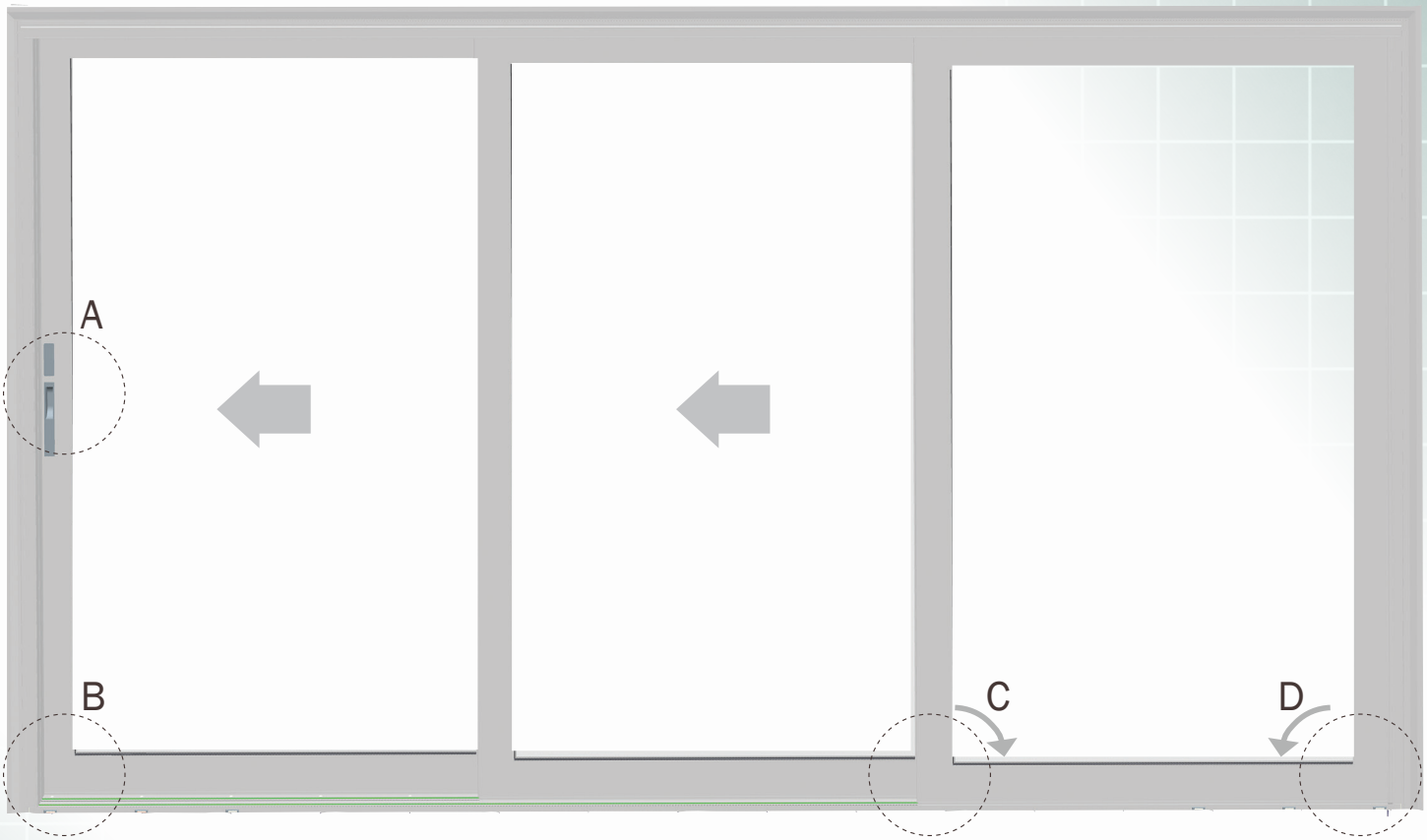
- Steel reinforced door panels
- Steel reinforced interlock
- Multi-chamber extruded vinyl
- Duaralite warm edge spacer with no metal components

THERMAL, STRUCTURAL, & SOUND PERFORMANCE

GS Multi-Sliding Doors XO				Thermal Performance					Structural Performance	Sound Transmission Class
Glazing				Grids	U Factor	SHGC	VT	CR Condensation Resistance		
Triple	2.2 mm LoE3	2.2 mm Clear	2.2 mm LoE3	None	0.19	.18	.35	CR 67	**Class LC-35** Size tested 72 x 59”	**STC 34** 1” IG [1/8” annealed exterior, 5/8” air space, 1/4” laminated interior]
				3/4 -5/8”		.16	.31			
				>1”		.15	.27			

As tested with LoE3 glass, Duralite Spacer and Argon gas filled combined with clear glass.

MTS DOOR XXO



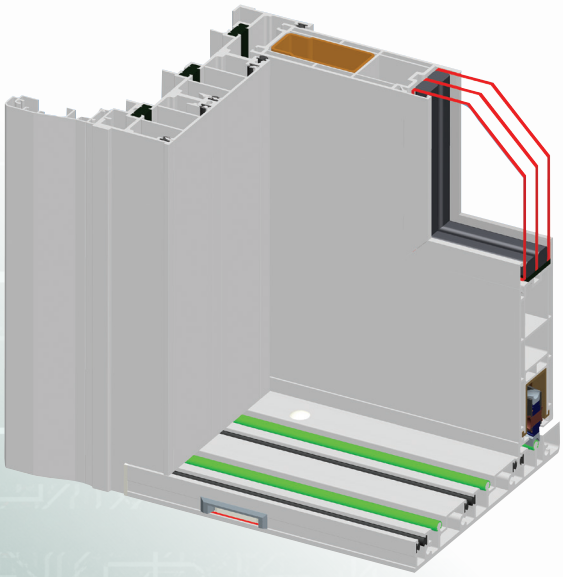
A GS CASEMENT CROSS SECTION

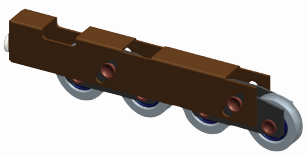
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B GS CASEMENT CROSS SECTION

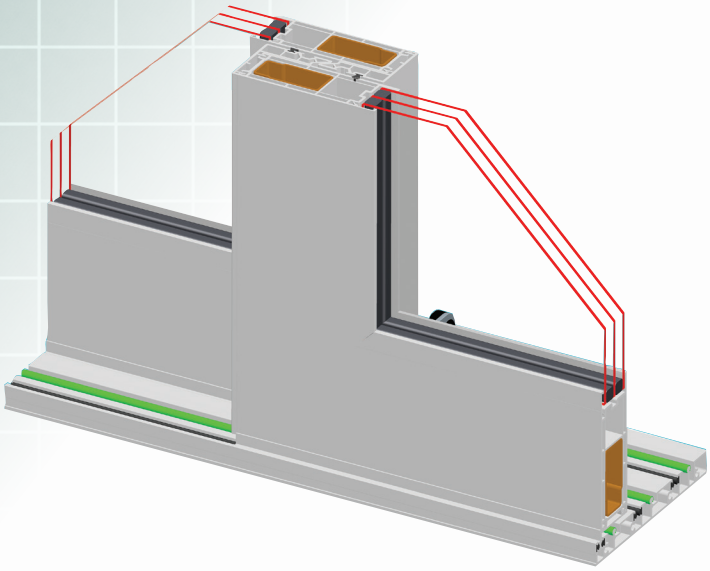
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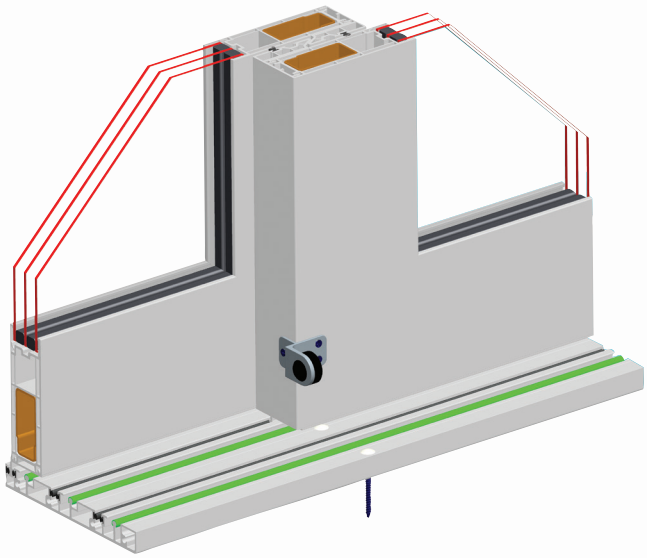
C-1 GS CASEMENT CROSS SECTION

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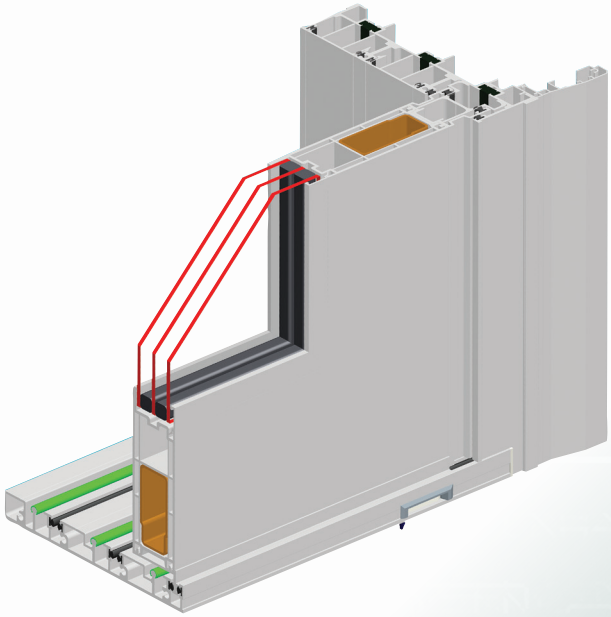
C-2 GS CASEMENT CROSS SECTION

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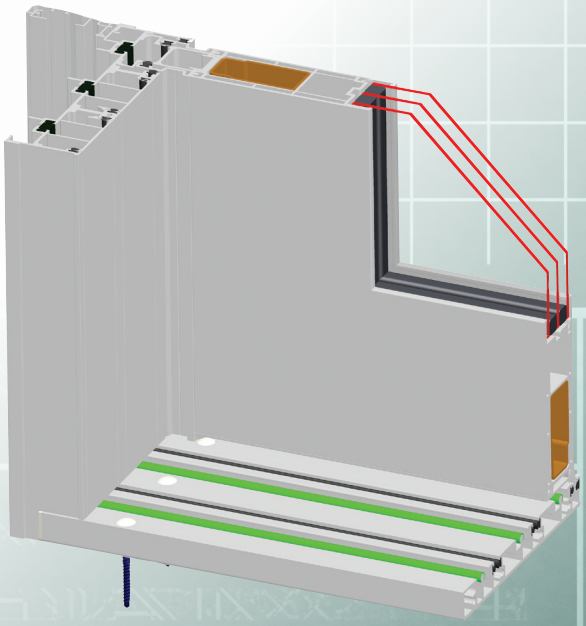
D-1 GS CASEMENT CROSS SECTION

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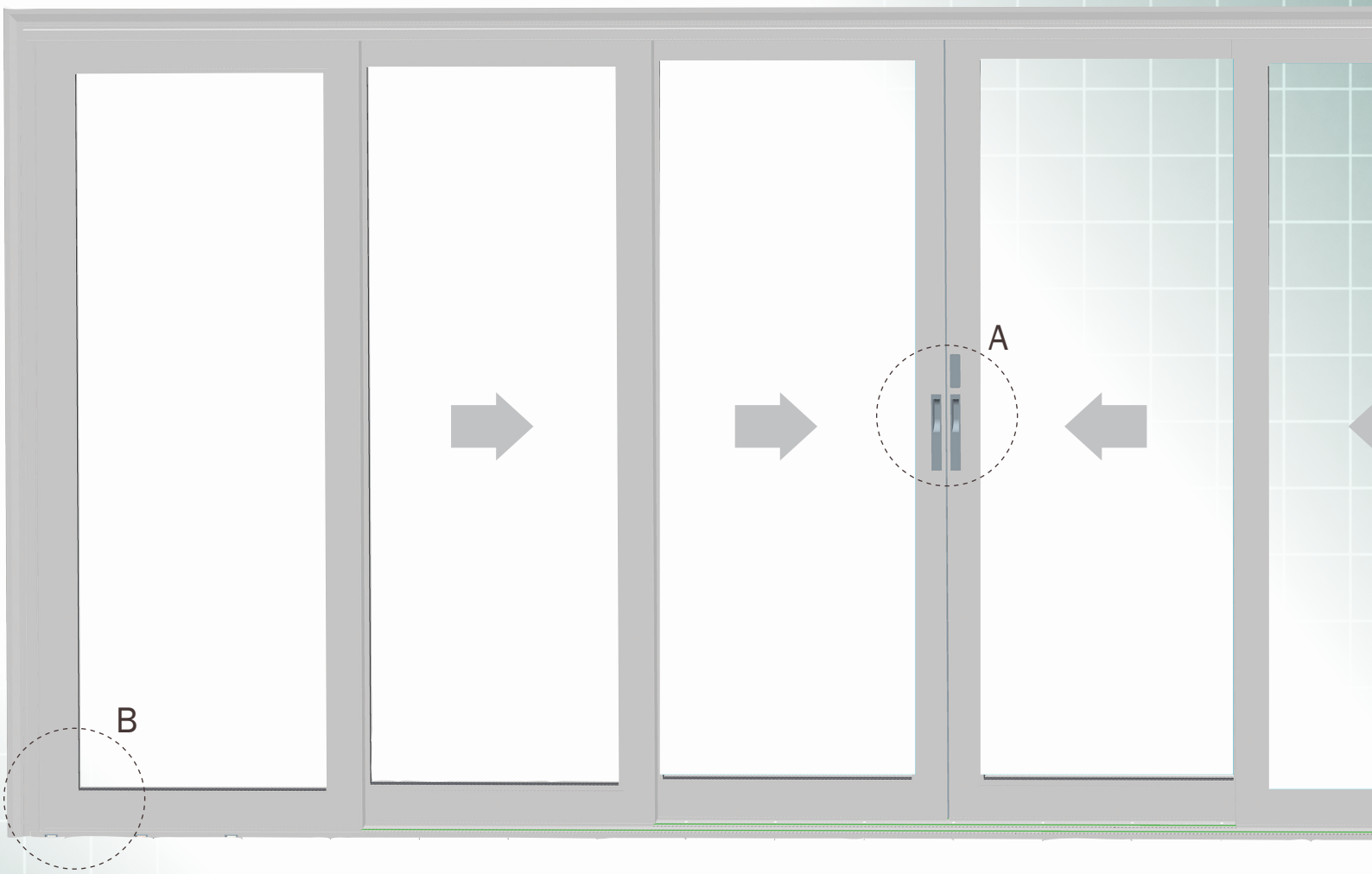


D-2 GS CASEMENT CROSS SECTION

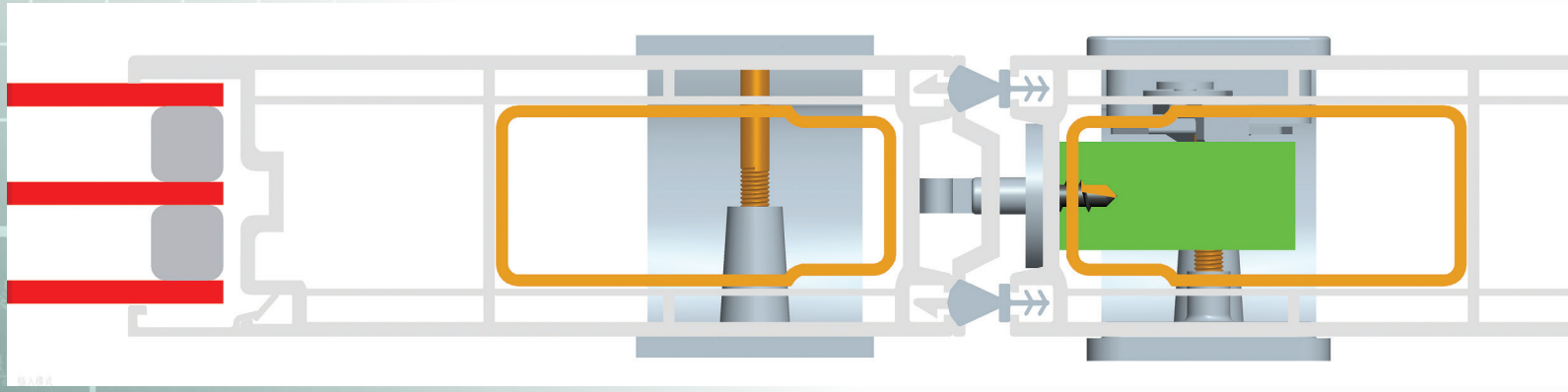
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MTS DOOR OXXXXO



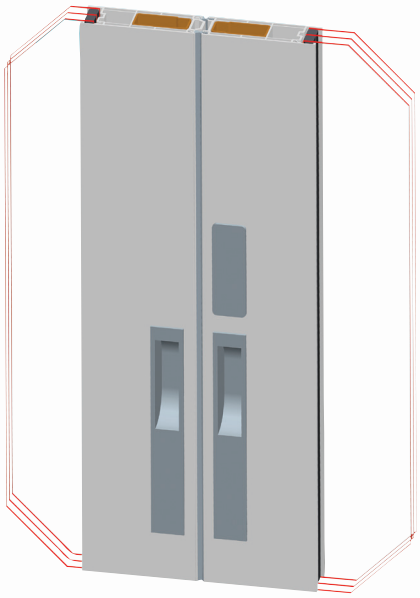
MTS DOOR OXXXXO CROSS SECTION





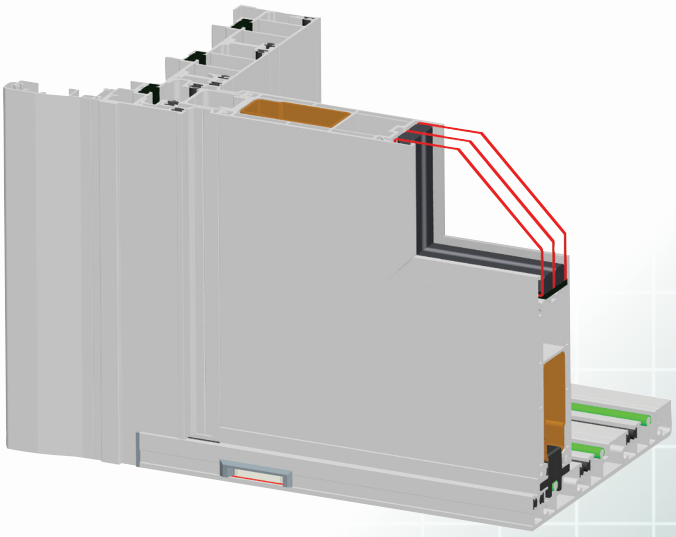
A GS CASEMENT CROSS SECTION

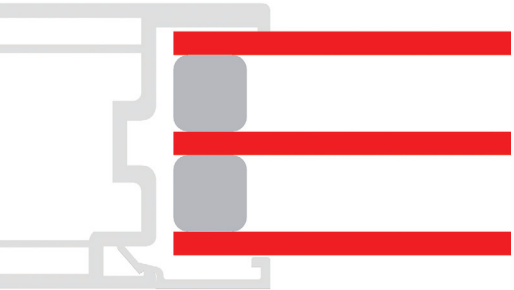
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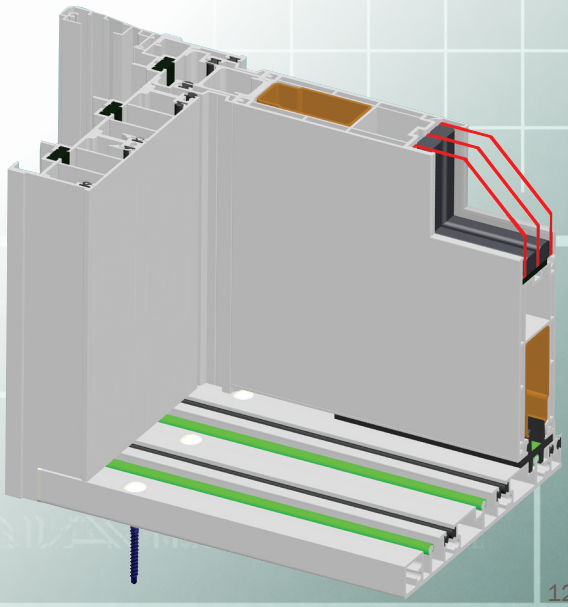
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C GS CASEMENT CROSS SECTION

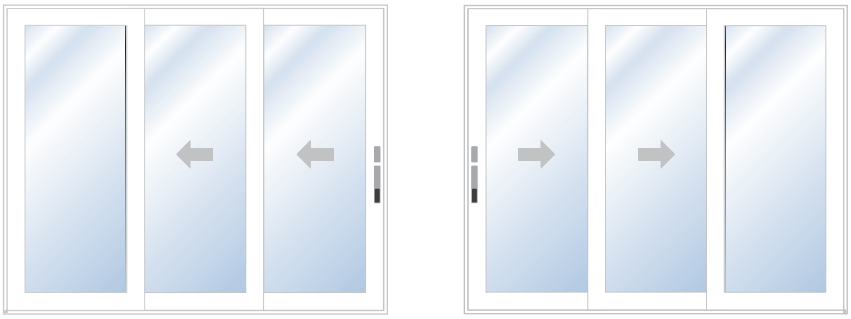
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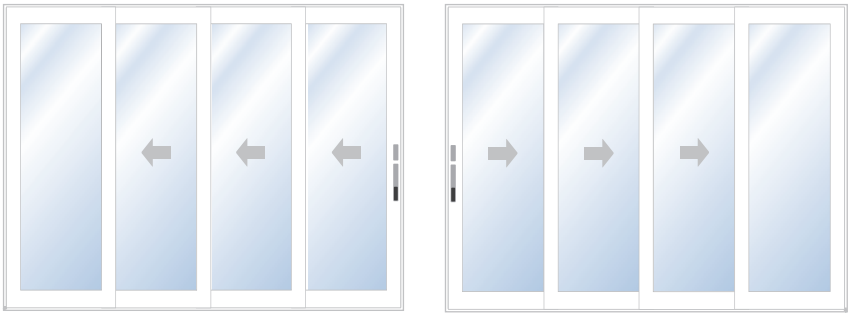
MULTI-SLIDING PATIO DOORS STYLING

3 PANEL DOORS



OXX or XXO
Maximum size: 180 x 108”

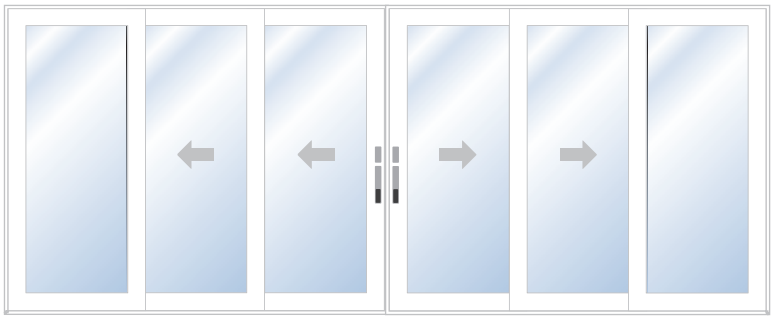
4 PANEL DOORS



OXXX **XXXO**

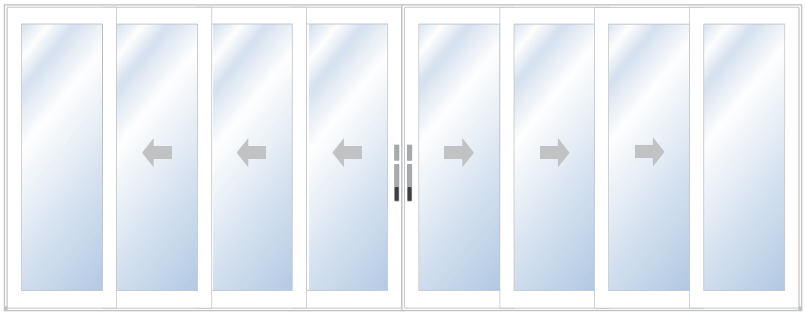
OXXX - XXXO
Maximum size: 240 x 108”

6 PANEL DOORS



OXXXXO
Maximum size: 360 x 108”*

8 PANEL DOORS



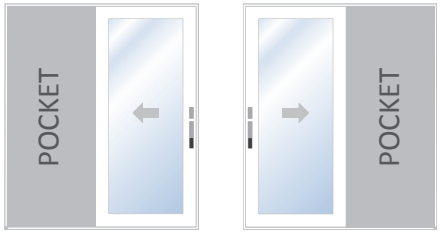
OXXXXXXO
Maximum size: 480 x 108”*

*MTS doors above 240” wide the head and sill will have a connector in the center

MULTI-SLIDING POCKET PATIO DOORS STYLING

1 PANEL DOORS

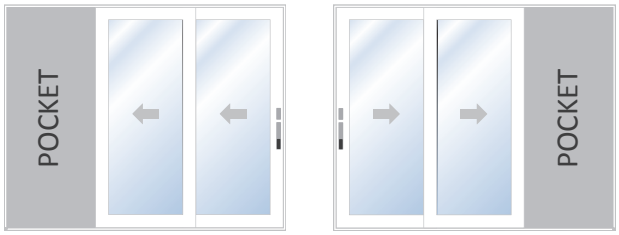
AL-MTP- XL - XR
Maximum size: 60 x 108”



XL XR

2 PANEL DOORS

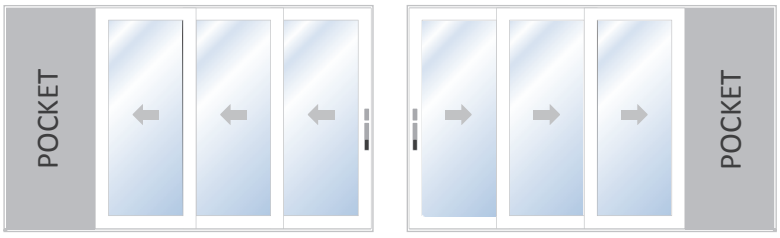
XXL - XXR
Maximum size: 120 x 108”



XXL XXR

3 PANEL DOORS

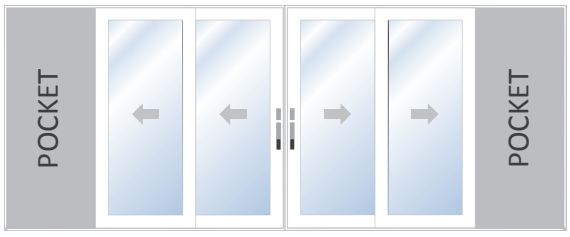
XXXL - XXXR
Maximum size: 180 x 108”



XXXL XXXR

4 PANEL DOORS

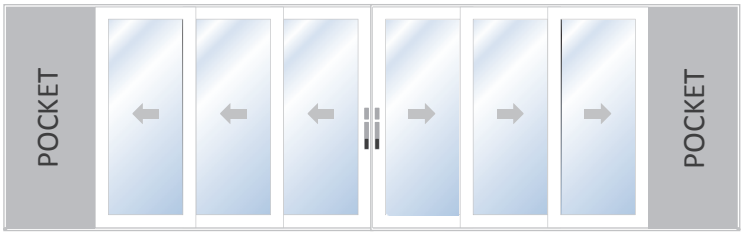
XX-XX
Maximum size: 240 x 108”



XX-XX

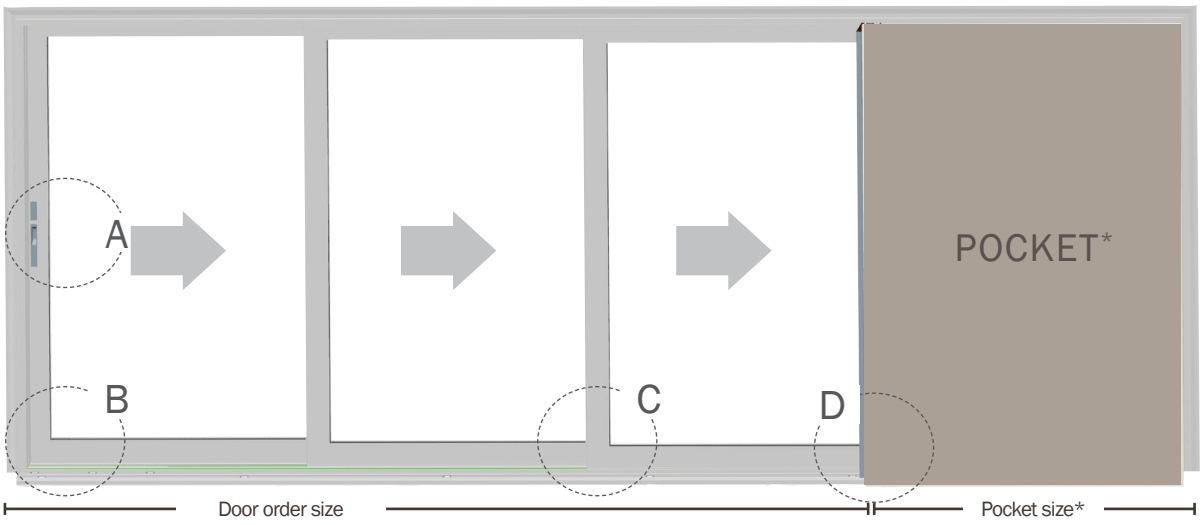
6 PANEL DOORS

XXX-XXX
Maximum size: 360 X 108”



XXX-XXX

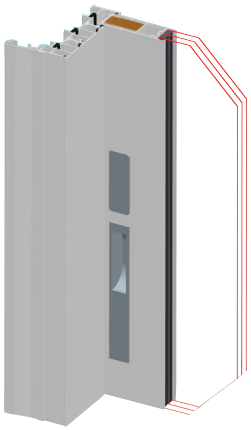
*MTS doors above 240” wide the head and sill will have a connector in the center



*POCKET WIDTH CALCULATION	3 PANEL DOORS	4 PANEL DOORS
	$\frac{\text{opening}}{3} + 4\text{-}5/8''$	$\frac{\text{opening}}{4} + 5\text{-}3/8''$

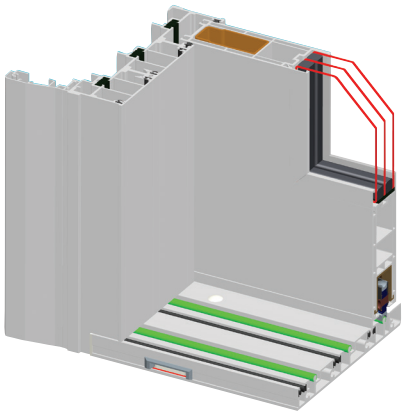
A Door operator outside view

Low profile door operator allows easy operation of moving panels



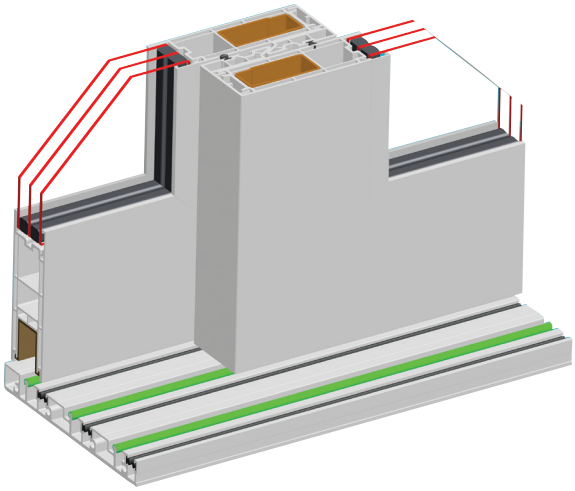
B MTS door moving panel outside view

Minimal, almost flush to the floor sill features integral rails that allow smooth sliding action of the moving panels



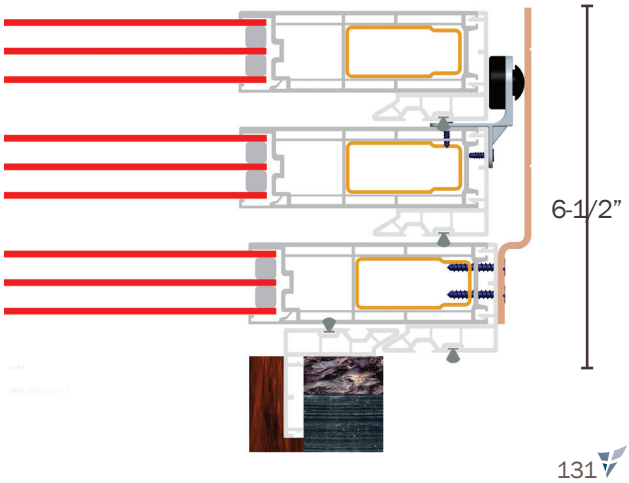
C Interlock, outside view

Interlock connects the door panels, provides structural stability and a tight seal that prevents elements infiltration

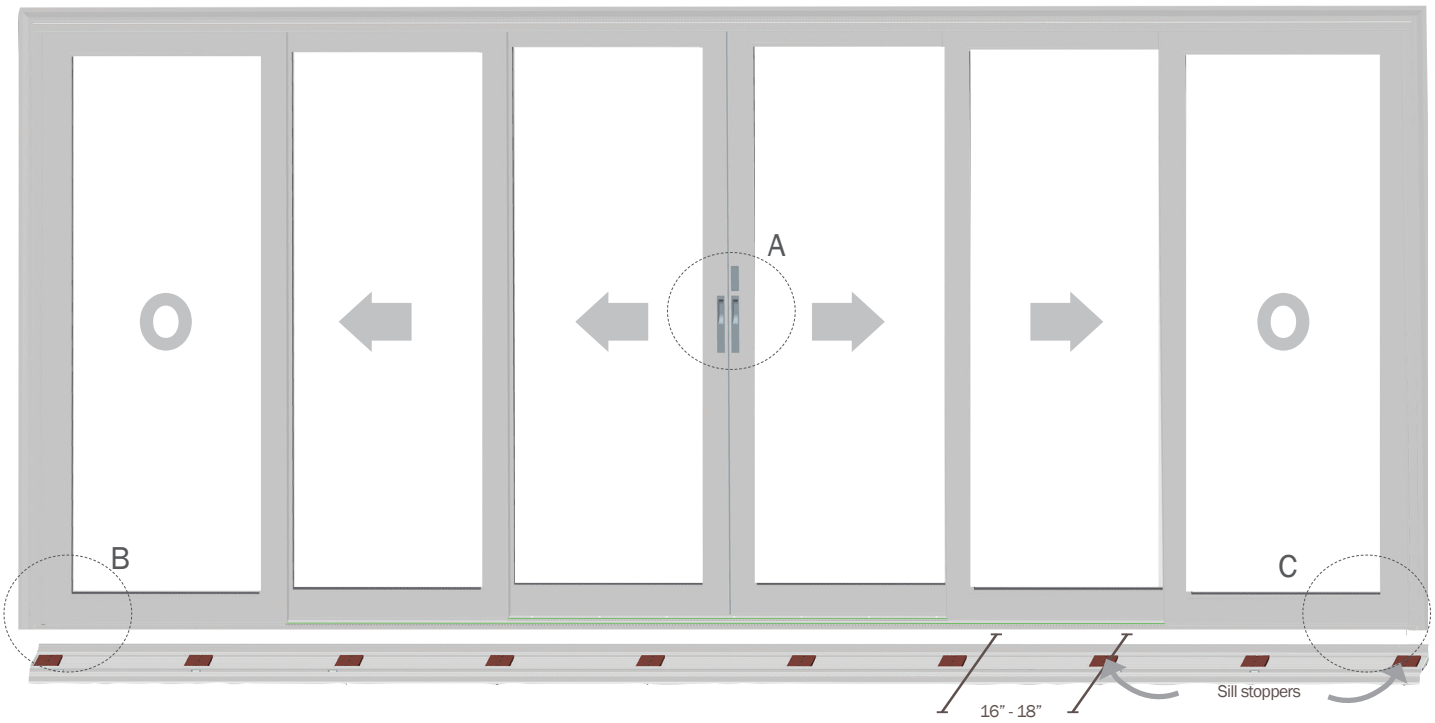


D Mechanical corner connections

Four stainless steel screws ensure exceptionally tight and secure placement of interlock in the window main frame

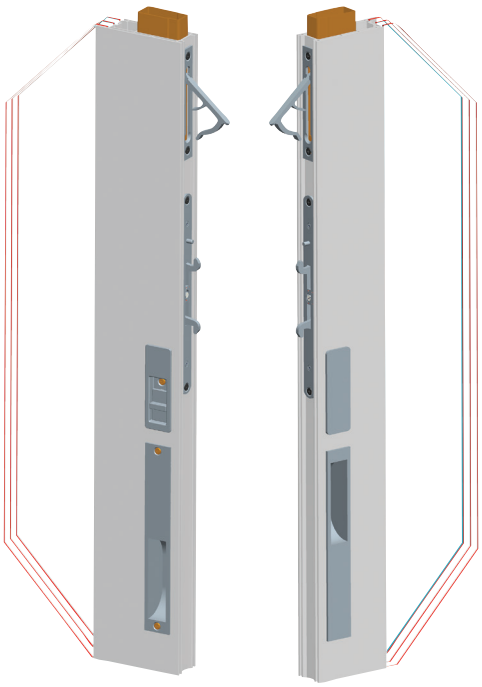


GS-MTS-0XXXX0-5124 WITH OPTIONAL SUB SILL SECTIONAL DRAWING AND DETAILS



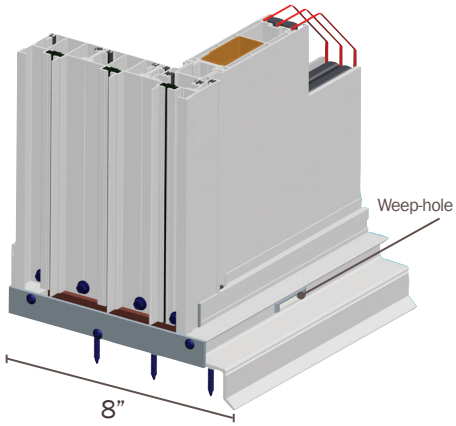
A Locking system

Four stainless steel screws ensure exceptionally tight and secure corner connection and feature compression gaskets that keep water from leaking into the building wall and



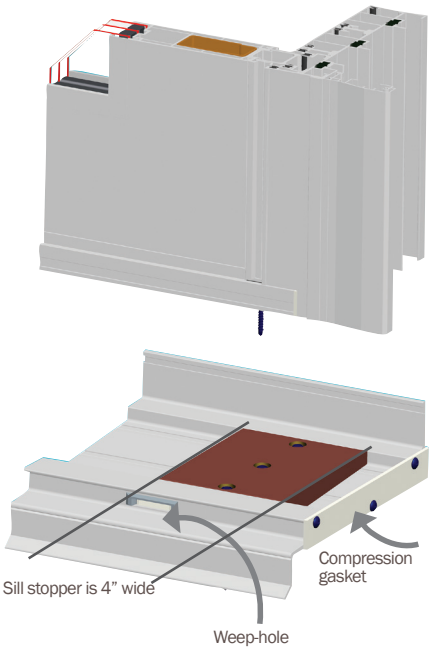
B Mechanical corner connections

Four stainless steel screws ensure exceptionally tight and secure corner connection and feature compression gaskets that keep water from leaking into the building wall and maintains this function even after shifts occur in the building's structure



C Sill stoppers positioning

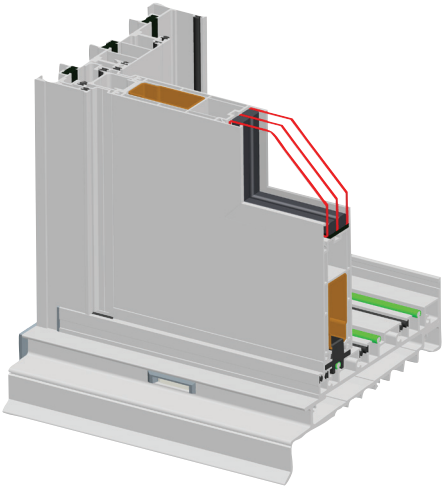
Sill stoppers in solid aluminum help level and support the door panels on the door sill track. Each stopper is 4" wide and is firmly secured to the sill with three screws .



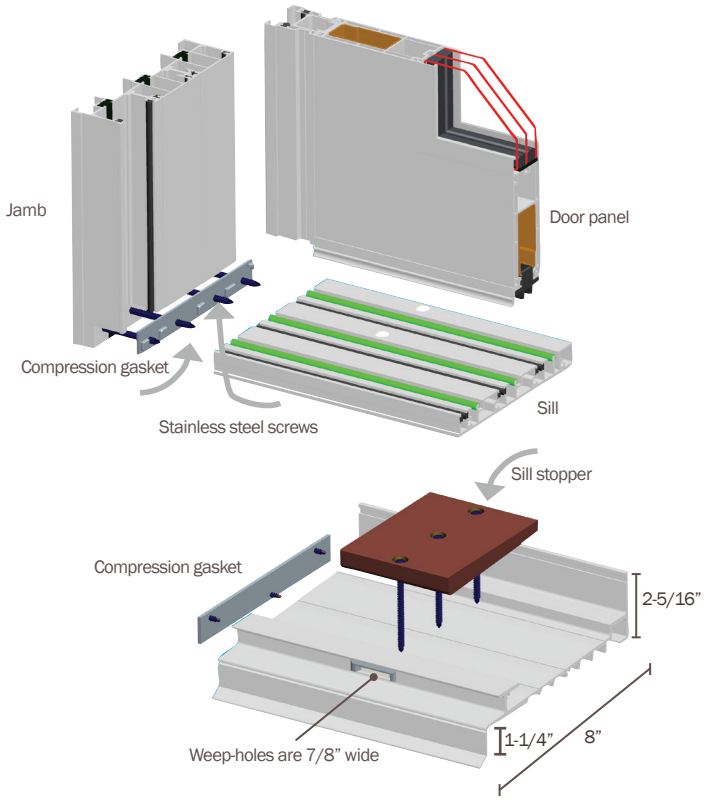
SUB SILL PARTS AND CONSTRUCTION

The sub sill provides a added support and stability to the door while preventing water infiltration.

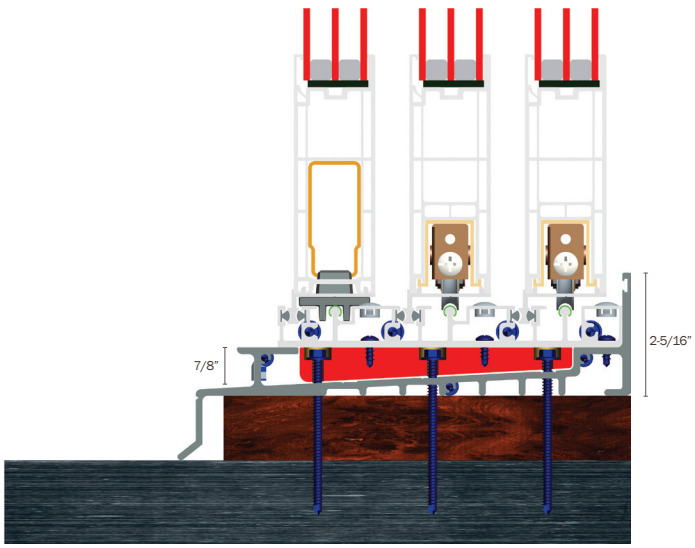
ASSEMBLED CORNER AND PARTS

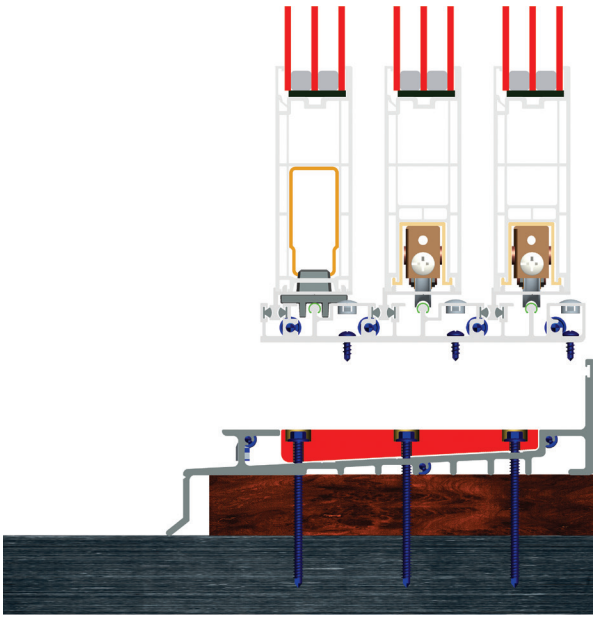


UNASSEMBLED CORNER AND PARTS



MULTI-SLIDING DOOR SUB-SILL CROSS SECTION

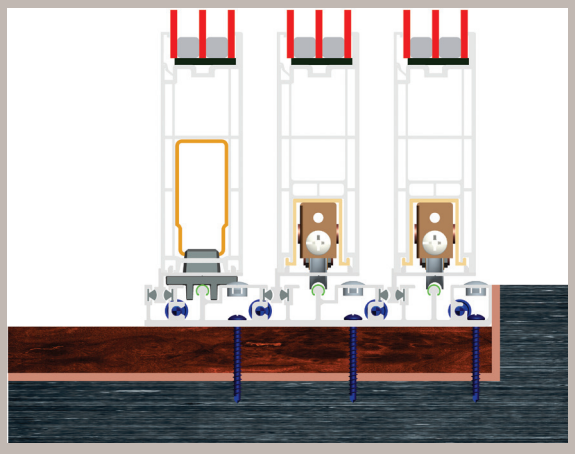




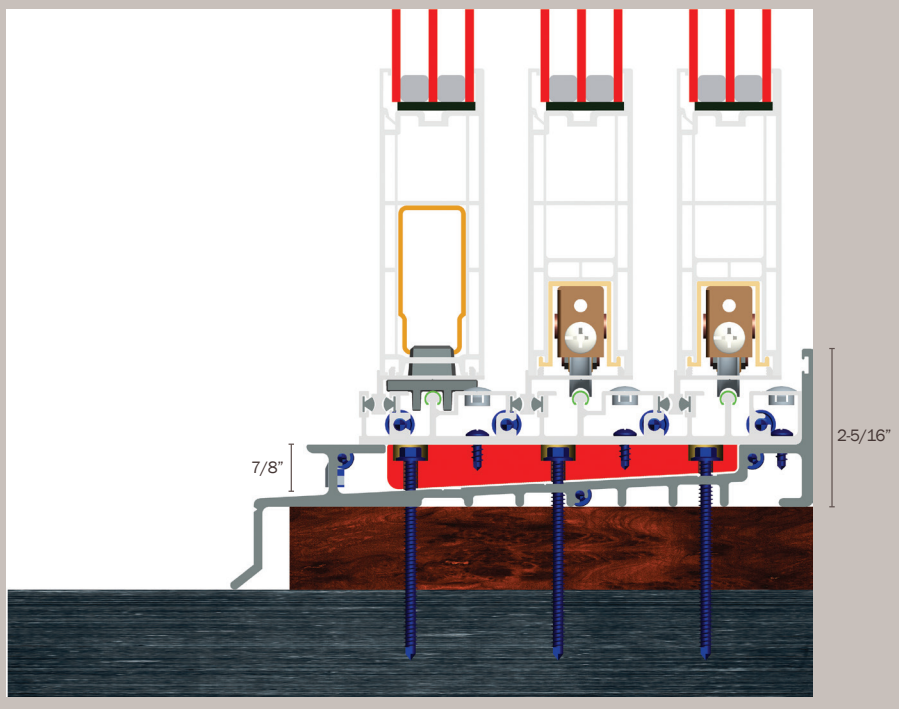




MULTI-SLIDING DOOR
STANDARD SILL CROSS SECTION







Multi-sliding door with optional Sub Sill sectional drawing

Optional Sub Sill benefits

- Provides additional protection from elements for the sides of the wall and flooring inside the home
- Sloped segment inside the sill allows water to be easily released via the drainage system
- Prevents water to leak to the inside of the home



MULTI-SLIDING & POCKET DOOR HANDLE & LOCKING SYSTEM



Slim Back-set Mortise Locking System by Interlock

Unmatched in performance and forced-entry resistance by anything else on the market, INTERLOCK® locking solutions for dual-panel applications ensure smooth operation and high security for large in-line sliding doors, giving homeowners absolute peace of mind. With materials specifically designed to provide high corrosion resistance, these single and multi-point locking systems are ideal for harsh climates.

Our dual point locking system combines both versatility and functionality. Made in stainless steel and with a flush face it utilizes two opposing locking points or hooks that offer an intuitive single point of horizontal adjustment for the reach of the lock hooks.

This system features individually adjustable locking points that provide adjustment and increased security.

Locking System Features

- Dual, opposing hooks
- Made in non corrosive stainless steel
- Adjustable locking points
- Two, four and six-point mortise locks
- High corrosion and forced-entry resistance

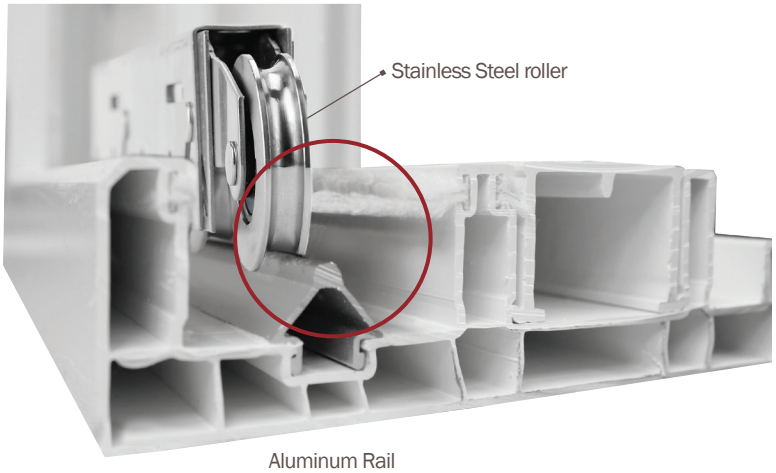






ALUMINUM RAIL SYSTEM

Heavy duty aluminum rail system is standard on all GS Series sliding patio doors. This offers a smoother glide when opening and closing the door. Aluminum is also resistant to erosion and rust.



Aluminum Rail



OUTSTANDING QUALITY HARDWARE & PARTS

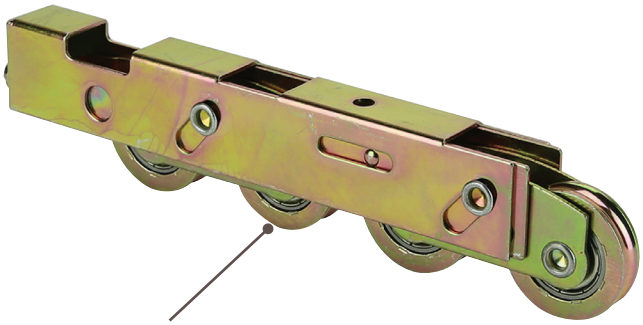
FOUR WHEEL TANDEM ROLLER SYSTEM

GS Patio Doors feature four- wheel tandem roller system in cold rolled steel housing and rollers, which provide long lasting smooth operation.

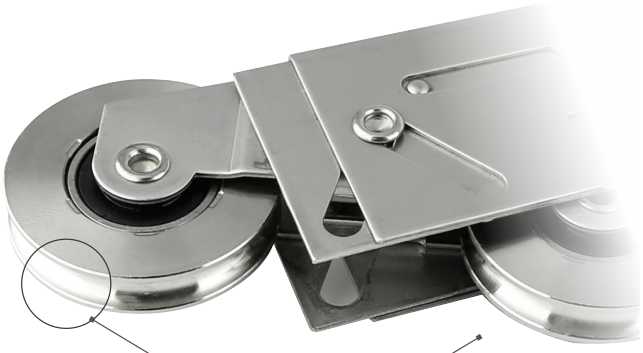
An optional commercial grade rolling system with casing and wheels in stainless steel is available upon request and is designed to effortlessly carry the our heavies door panels.

Optional Stainless Steel Roller Features

- *Stainless steel housing*
- *Four strong tandem stainless steel concave rollers for quiet and durable rolling action*
- *Rollers slide on a heavy duty stainless steel track glider for smooth and soundless operation*
- *Each roller can hold up to 125 lbs for a total of 1000 lbs per door panel which delivers outstanding performance in large doors featuring the heaviest glass packages*
- *Rollers can be adjusted for smooth moving action*

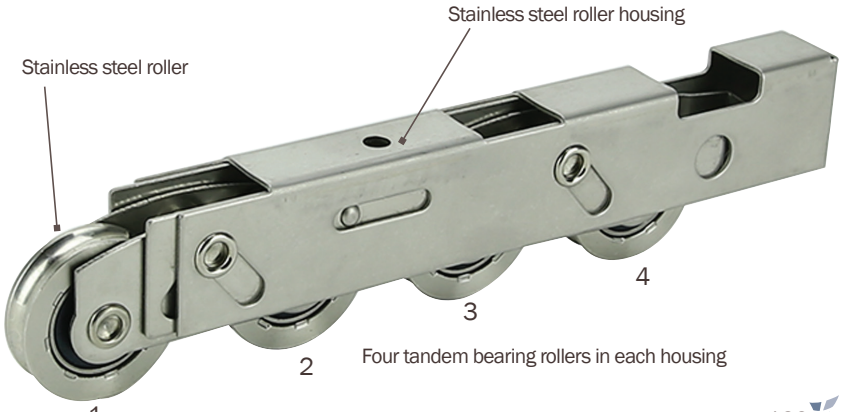


Standard roller system in cold rolled steel



Concave roller design for smooth gliding action

OPTIONAL STAINLESS STEEL ROLLER SYSTEM



Four tandem bearing rollers in each housing