Aluminum Windows & Doors Series T-5000

THERMALLY BROKEN ALUMINUM

Value WINDOWS & DOORS



FOR REPLACEMENT AND NEW CONSTRUCTION APPLICATIONS

INNOVATION, QUALITY AND SERVICE



Value WINDOWS & DOORS

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

Value WINDOWS & DOORS



GERMANY



USA



CHINA



Fenestration design concepts
Software “ERP” System
Automation equipment



Manufacturing
Headquarters



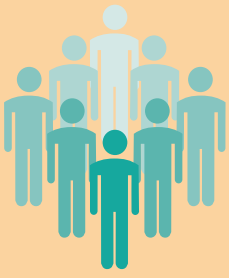
Entrepreneurship
Ingenuity

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.



THERMALLY BROKEN ALUMINUM WINDOWS AND DOOR SYSTEMS SERIES T-5000



Value is proud to introduce its Thermally Broken Aluminum line of windows and patio doors T-5000, engineered with the latest thermal break technology, which reduces heat transmittance from the outside to your home, while delivering the slim sight lines and high strength to weight ratio.

Aluminum windows and doors provide a modern, clean look with high durability and strength. However, traditional aluminum has one significant disadvantage that makes it extremely unattractive in today's energy-conscious world: Heat conductivity. Aluminum's inherent high conductivity greatly increases the U-Factor of a window, making it a low-performing window system. Our German-Inspired Aluminum Series incorporates Thermal Breaks in its design, essentially separating the interior aluminum and exterior aluminum with a low heat conductive material. Our state of the art engineering and design makes it possible for you to enjoy the modern and clean look of our aluminum windows without sacrificing energy efficiency.

Aluminum is thermally stable which makes it a preferred option for fenestration products that will not swell, shrink or crack, particularly important characteristics in areas where humidity is high and temperature changes are harsh delivering long lasting performance.

Select Value Aluminum Windows for your next project!



THERMALLY BROKEN ALUMINUM WINDOW SYSTEM SERIES T-5000

With exceptional engineering and meticulously selected top of the line components, Value's Thermally Broken Aluminum Windows Series T-5100 offers excellent options that will bring an elegant look and comfort to your home for many years to come. Take a closer look at our Aluminum Window and Doors features and benefits. Available with Nail Fin, Block frame and Replacement Flange for your replacement, remodel or new construction project.

Our Thermally Broken Aluminum Windows and Doors in tandem with dual and triple glaze glass packages deliver outstanding thermal performance and will keep your home cooler in the warm summer months while reducing your heating costs in the winter.

With many window styles and a full line of doors to select from, including folding and swing doors, and a wide variety of enhancements and glass options, the design possibilities for your project are endless. Extend your living area with unobstructed views and beautifully functional doors from Value's Thermally Broken Aluminum Door Series T-5120 and matching Windows Series T-5100.

Value WINDOWS & DOORS

INNOVATION, QUALITY AND SERVICE



THERMALLY BROKEN ALUMINUM

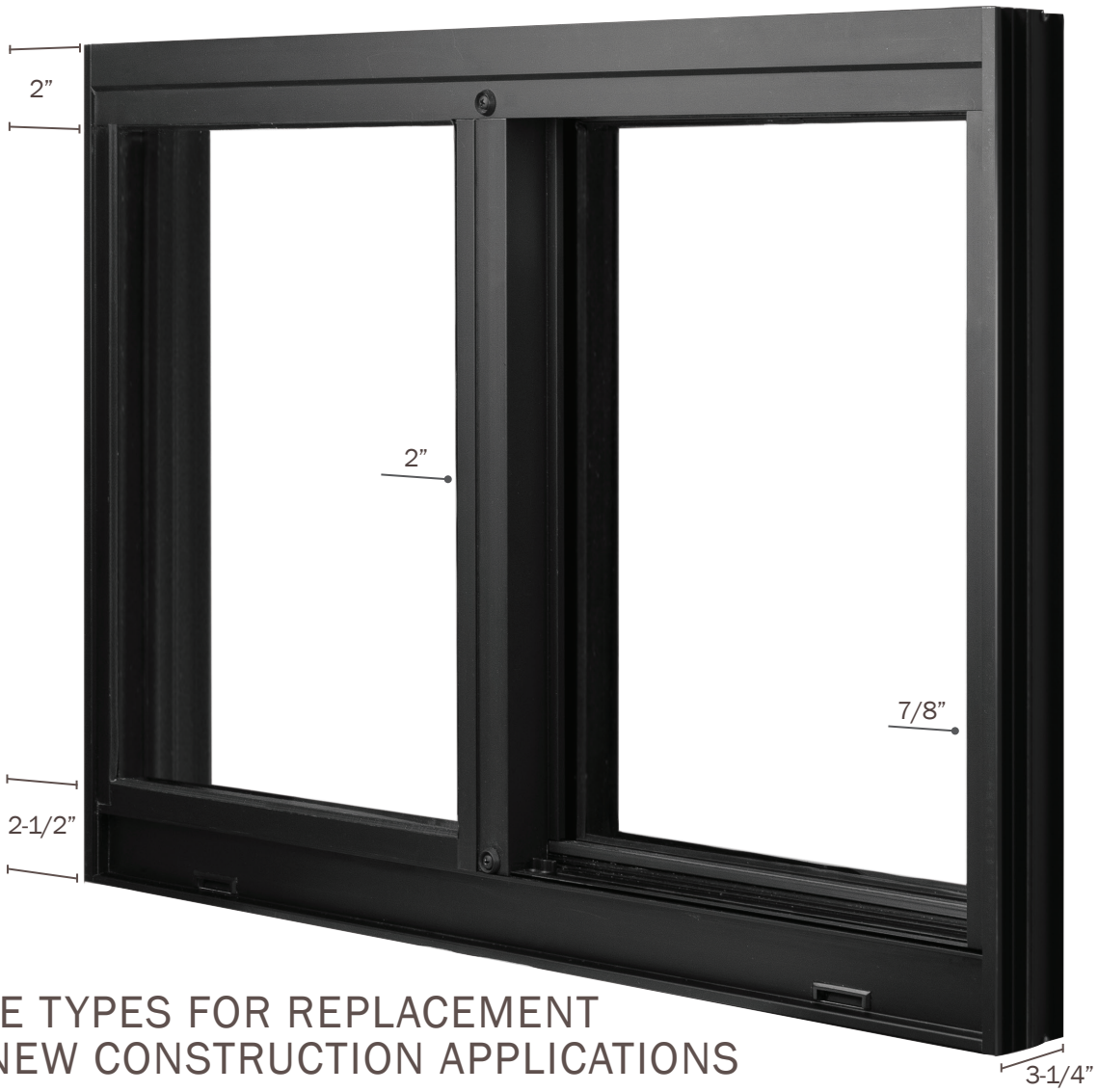


WINDOWS SYSTEM T-5100

PROUDLY MADE
IN THE USA

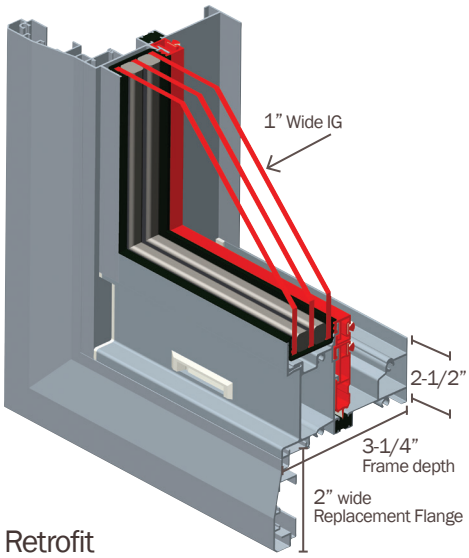


THERMALLY BROKEN ALUMINUM
HORIZONTAL SLIDING WINDOWS SERIES T-5101



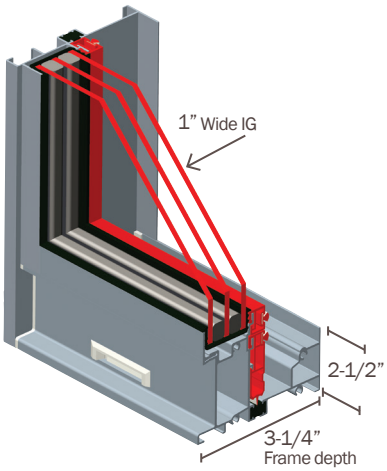
FRAME TYPES FOR REPLACEMENT AND NEW CONSTRUCTION APPLICATIONS

Also available in 1” Dual glaze featuring LoE3 glass and Argon Gas fill



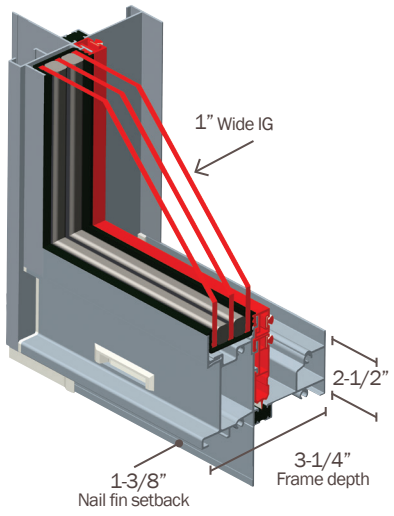
Retrofit

For replacement applications. 2” replacement flange allows for convenient installation with no need to break out stucco.



Block

For some replacement applications.



Nail-on

For new construction applications. This frame type allows targeted installation in a newly created opening. 1-3/8” set back to meet builders needs.



THERMALLY BROKEN ALUMINUM SLIDING WINDOWS FEATURES

Take a moment to learn about the outstanding features and benefits of our Thermally Broken Aluminum Horizontal Sliding Windows, which carry a Lifetime Warranty for your peace of mind.

STANDARD COLORS*

Standard extruded aluminum colors are Bronze Anodized and Clear Anodized with matching hardware.



Bronze Anodized



Clear Anodized

*Color swatches are intended as a representation only and may vary due to printing limitations.

Durability and ease of use

- Heavy duty extruded aluminum for structural strength and durability
- 20 mil anodizing thickness provides long lasting finish and consistent color
- Even sight lines for a balanced look
- Frame and sashes are mechanically fastened for additional support and structural integrity
- Reinforced non-hollow sill for superior strength
- Integral pull rail for easy operation of moving sash
- Heavy-duty replacement flange is 2” wide
- 1-3/8” nailing fin setback
- Optional Super spacer with a secondary butyl seal provides a secure IG seal
- Nylon composite bearing window rollers are standard. The bearings provide for an exceptionally smooth slide, while the nylon composite material provides additional durability and quietness compared to regular plastic or metal rollers
- Aluminum guide for window rollers for smooth operation
- Auto-lock matching the aluminum color features robust dual hooks for superior forced entry resistance and effortless long lasting performance
- Weep hole covers prevent debris from obstructing the drainage system and provide an aesthetic look
- Screen: Includes standard screen

Enhanced energy efficiency

- Beveled, multi-chambered extruded aluminum featuring thermal breaks improves thermal performance while providing a slim and elegant appearance
- 3-1/4” frame depth engineered to host heavier insulated glass units of specialty glass packages
- Optional Duralite spacer enhances thermal performance of glass components
- Full double weather stripping helps prevent elements infiltration
- 1” dual pane insulated glass unit featuring LoE3 glass is standard
- Optional triple pane glass for exceptional thermal performance
- Argon gas filled glass chambers for increased energy savings are standard for all glass packages

Horizontal Sliding Window features at a glance, inside view

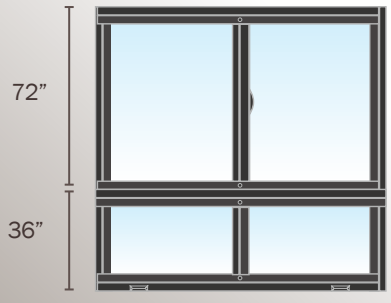
- **01** *Mechanically joined frame and sashes for solid construction*
- **02** *Heavy-duty aluminum frame and sash*
- **03** *Integral pull-rail*
- **04** *Bearing Nylon composite rollers*
- **05** *Auto-lock matching frame color with superior Forced Entry Resistance (FER)*
- **06** *Double weatherstripping*

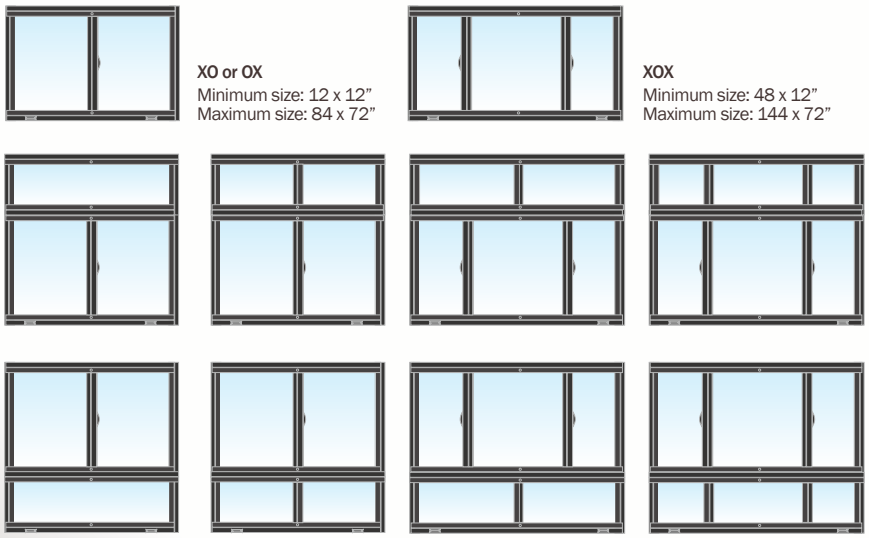


Block Frame
Horizontal Sliding window
in Bronze Anodized finish

HORIZONTAL SLIDING WINDOWS Available Styles and Combination Units

Maximum height per window segment in combination units





XO or OX
Minimum size: 12 x 12”
Maximum size: 84 x 72”

XOX
Minimum size: 48 x 12”
Maximum size: 144 x 72”

XO or OX T1 or B1
Minimum size: 36 x 36”
Maximum size: 84 x 108”

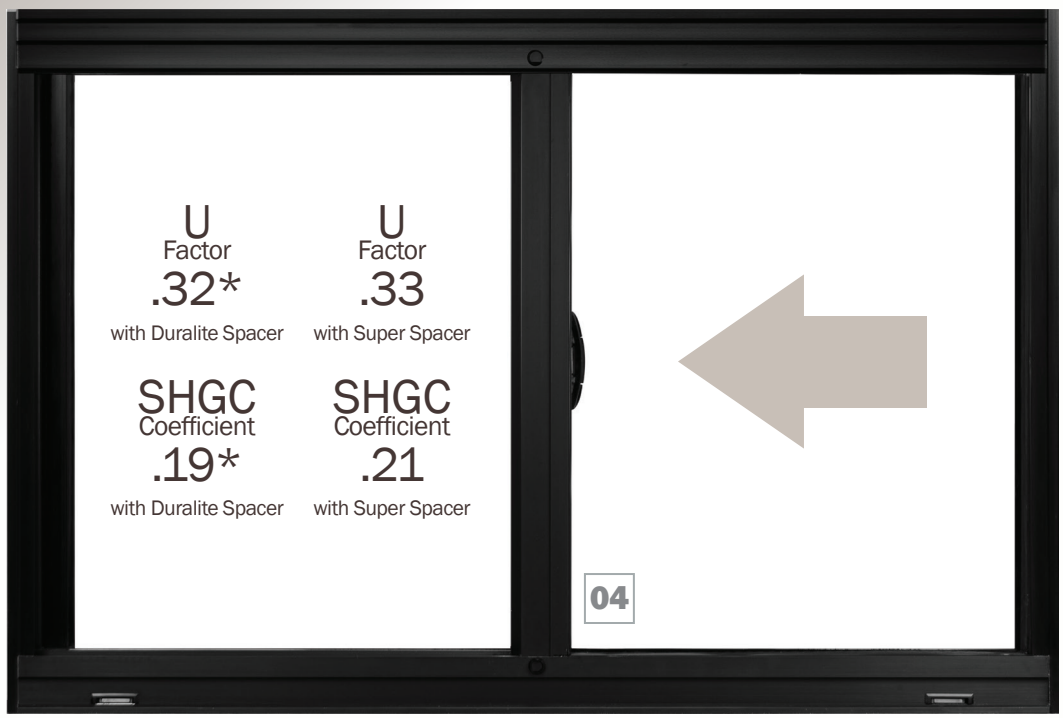
XO or OX T2 or B2
Minimum size: 36 x 36”
Maximum size: 84 x 108”

XOX T2 or B2
Minimum size: 48 x 36”
Maximum size: 144 x 108”

XOX T3 or B3
Minimum size: 48 x 36”
Maximum size: 144 x 108”

The configurations listed are only a glimpse of all the different possibilities.
Many different styles are available to meet your project needs.

SERIES T-5101 HORIZONTAL SLIDING WINDOW OUTSIDE FEATURES & PERFORMANCE



Horizontal Sliding Window features at a glance, outside view

- **01** *Block frame*
- **02** *Firmly secured interlock*
- **03** *Covered weep-holes*
- **04** *Double weatherstripping*

**Meets Title 24 Criteria for the State of California when ordered with Triple Glaze option featuring LoE3 high-performance glass and Duralite Spacer*



03

Covered weep-hole

Horizontal Sliding Windows XO				Thermal Performance					Structural Performance
Glazing				Grids	U Factor	SHGC	VT	CR Condensation Resistance	
Triple	2 mm LoE3	2 mm Clear	2 mm LoE3	None	0.32	.21	.39	CR 36	LC-PG25 Size tested 71x59”
				3/4-5/8”		.19	.35		
				1”		.17	.31		
Dual	6.35 mm Lami	3 mm LoE3		None	0.40	.23	.53	CR 36	
				3/4-5/8”		.21	.47		
				>1”		.19	.42		
Dual	3 mm LoE3	3 mm Clear		None	0.41	.33	.54	CR 35	
				3/4-5/8”		.30	.48		
				>1”		.27	.43		

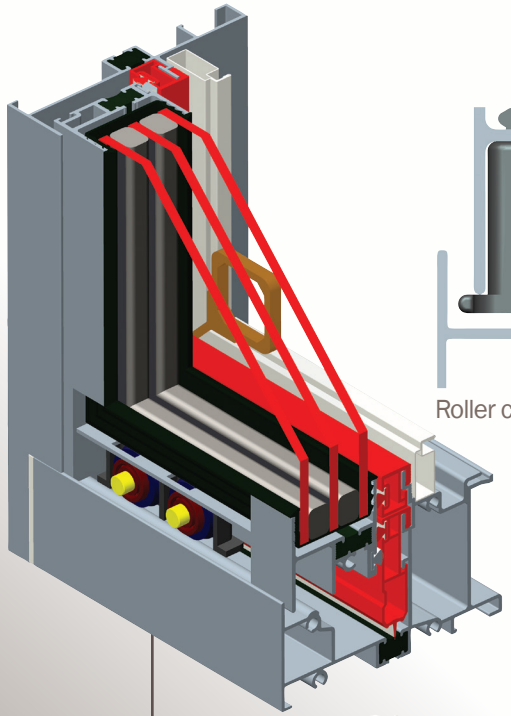
As tested with LoE3 glass, Duralite Spacer and Argon gas filled combined with clear or laminated glass.
*Meets Title 24 Criteria for the State of California

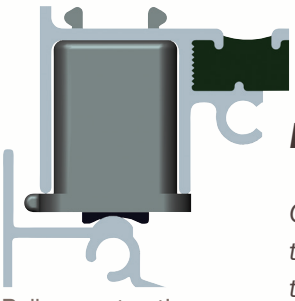
Auto-lock

Matching the aluminum color
Features robust dual hooks for superior forced entry resistance
Effortless long lasting performance







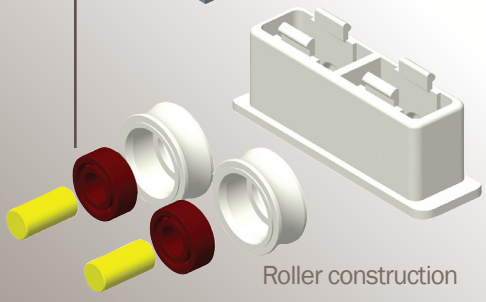


Roller construction

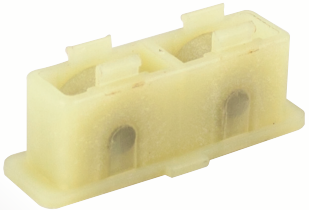
Bearing Window Rollers

Our 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.



Roller construction



Roller housing

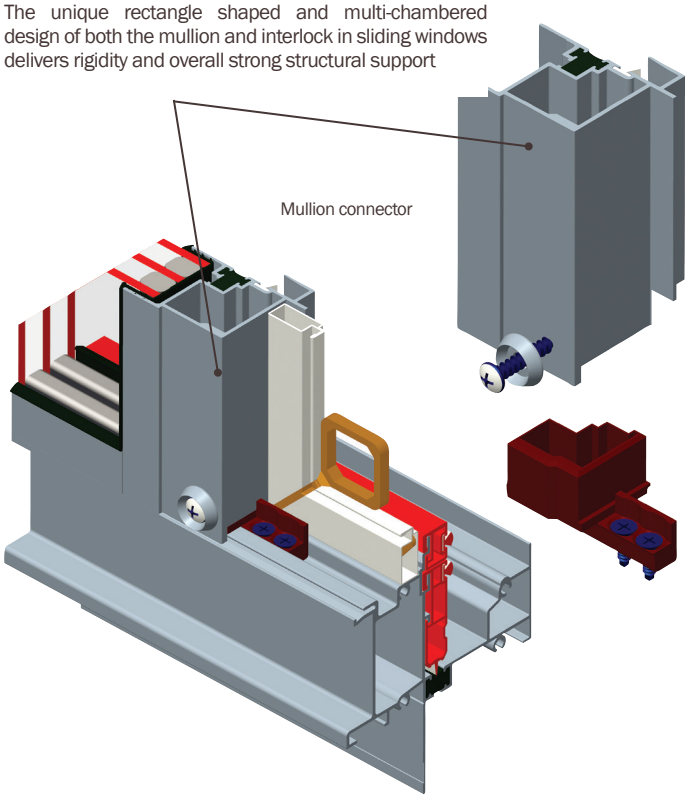


Nylon roller outside housing

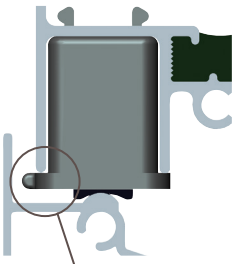
SUPERIOR DESIGN AND WINDOW CONSTRUCTION

Interlock and mullion design

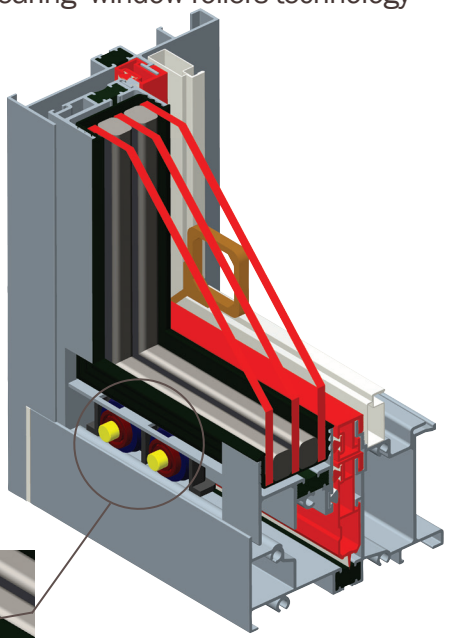
The unique rectangle shaped and multi-chambered design of both the mullion and interlock in sliding windows delivers rigidity and overall strong structural support

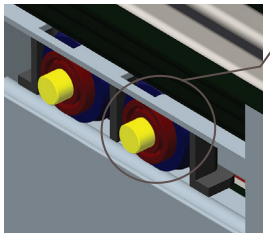


Nylon composite bearing window rollers technology



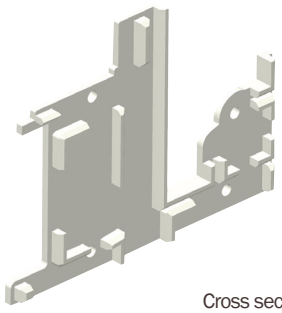
Nylon bearing roller casing is designed to avoid scratching both frame and sash while providing smooth quite glide of the window's operating sash



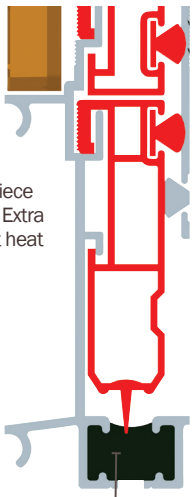


The nylon bearing rollers on the operating sash can handle exceptional weight to provide smooth and quiet operation regardless of sash size or glass package composition

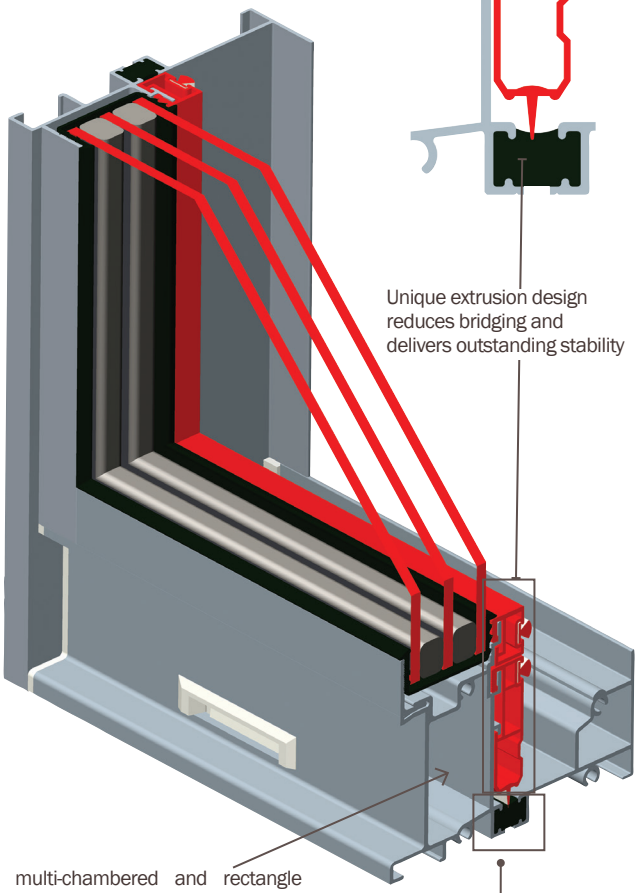
Frame and panel construction



The compression gasket at the joints keeps water from leaking into the building walls and maintains its function even after shifts occur in the building structure

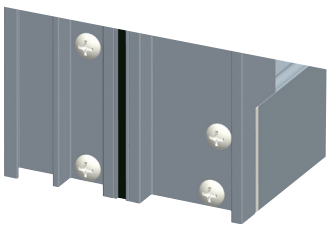


Cross section of the red piece below (extrusion design). Extra layer of protection against heat and cold transmittance



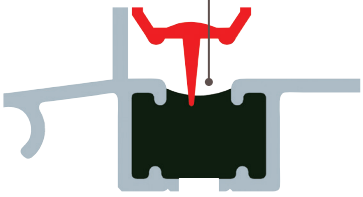
Unique extrusion design reduces bridging and delivers outstanding stability

A multi-chambered and rectangle shaped extrusion allows for superior weight support and stability

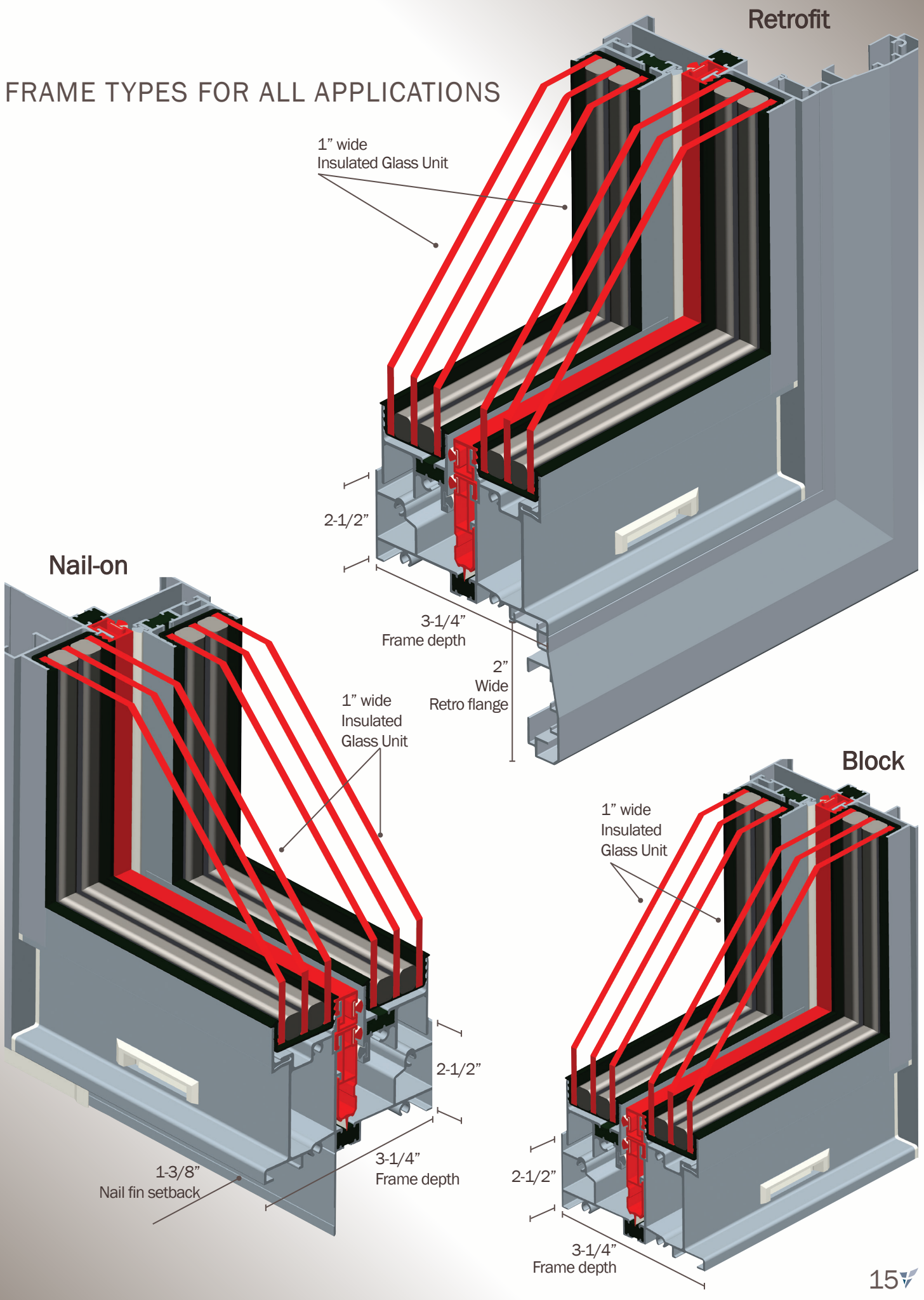


Four stainless steel screws on each frame corner allow for consistent and secure joints and structural stability for the window

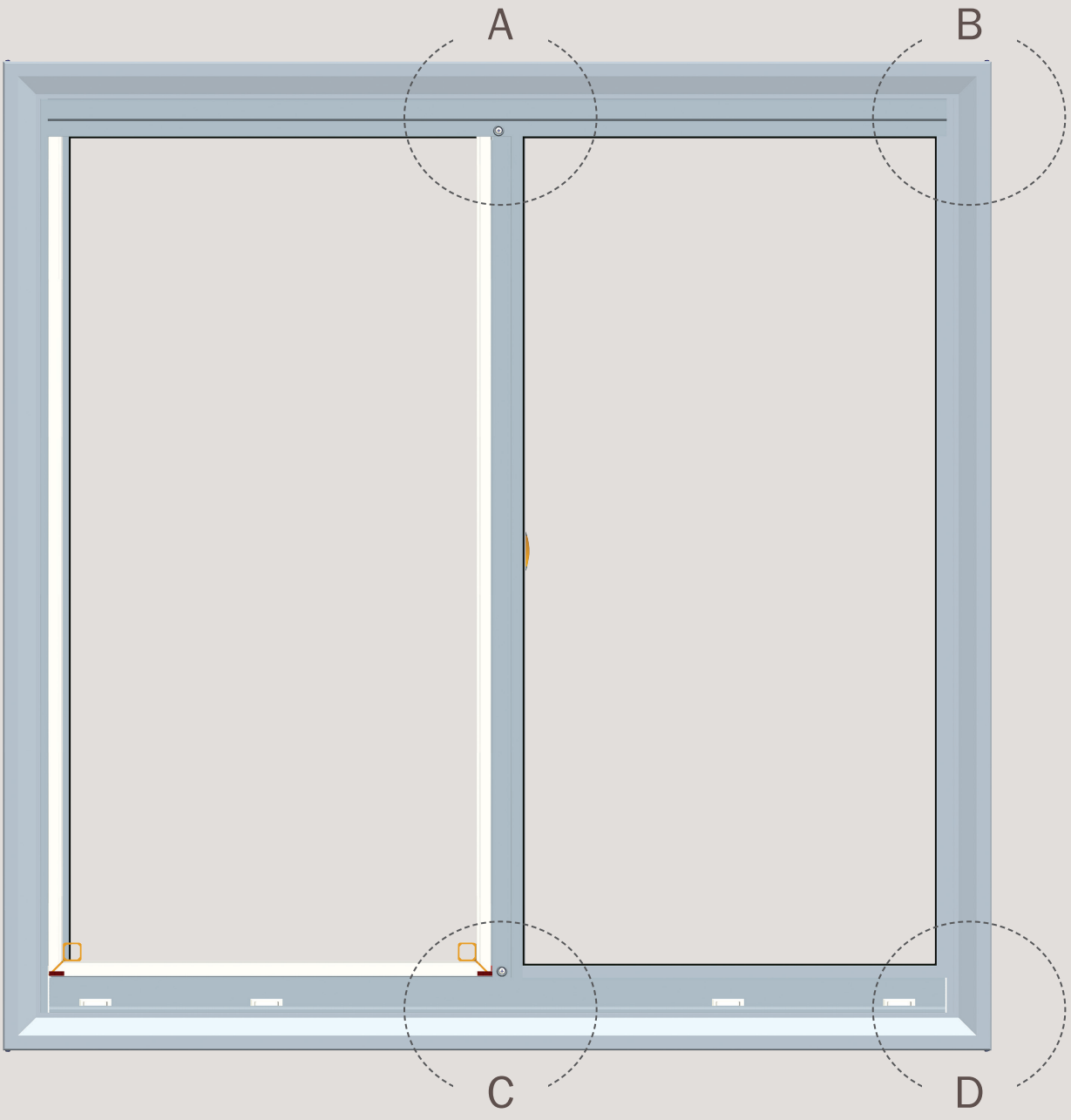
Thermal breaks in aluminum windows are used to reduce heat transmittance which improves U-Factor and overall thermal performance



FRAME TYPES FOR ALL APPLICATIONS

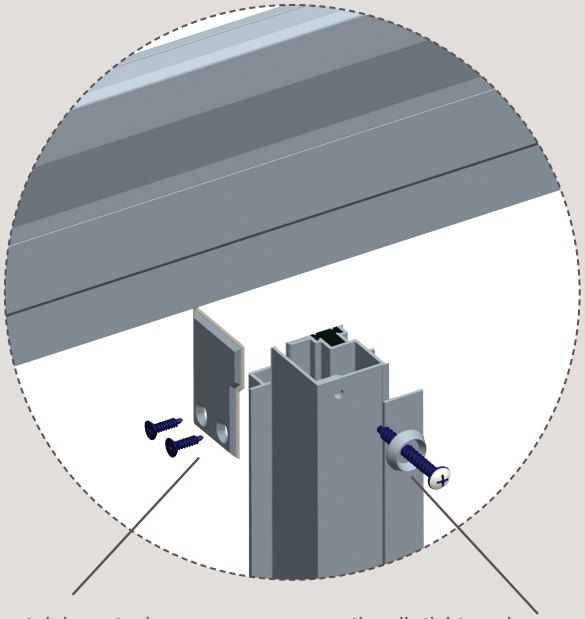


Thermally Broken Aluminum Horizontal Sliding Window AL-XO-5101



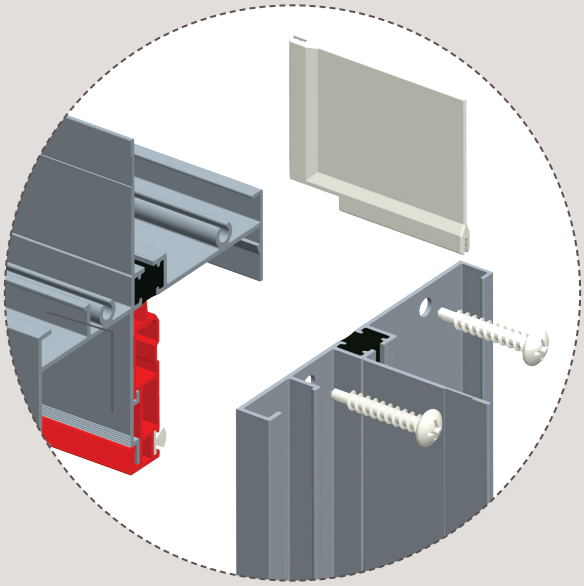
Thermally Broken Aluminum Horizontal Sliding Window AL-XO-5101 Sectional Drawings

A Stainless steel screws



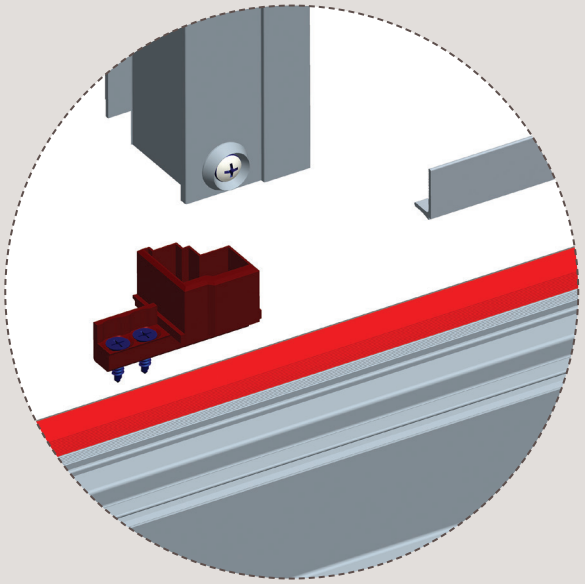
Four stainless steel screws ensure exceptionally tight and secure placement of interlock in the window main frame

B Mechanical corner connections



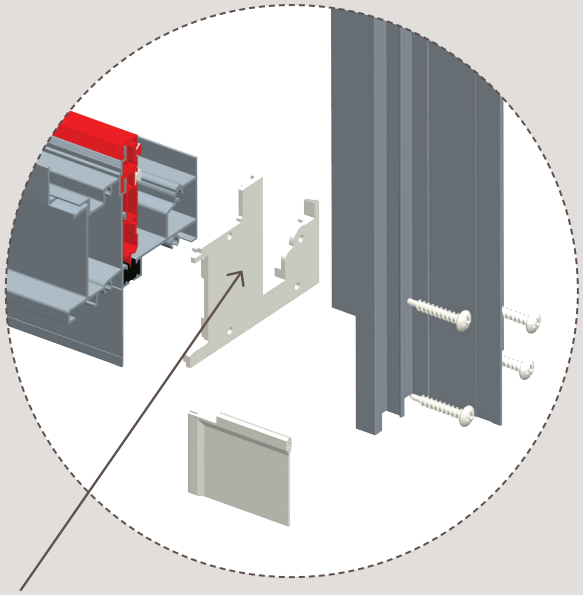
Joints are mechanically fastened together with stainless steel screws to provide high rigidity and strength

C Mullion connector



The unique rectangle shaped and hollow design of both the mullion and interlock in sliding windows delivers rigidity and overall strong structural support

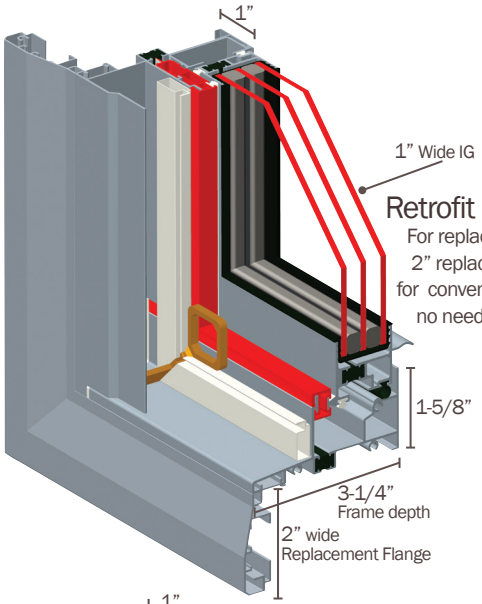
D Compression gaskets



The compression gasket at the joints keeps water from leaking into the building walls and maintains its function even after shifts occur in the building structure.

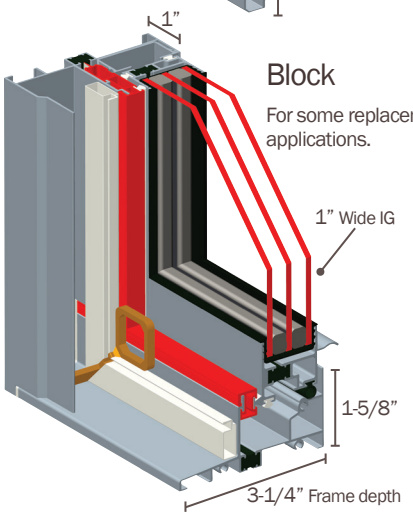


FRAME TYPES FOR REPLACEMENT AND NEW CONSTRUCTION APPLICATIONS



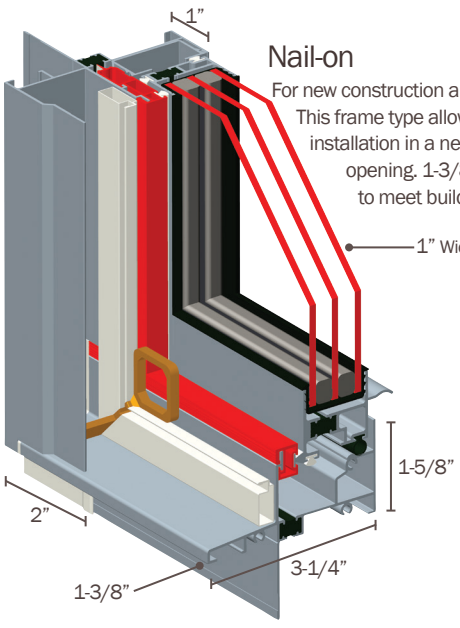
Retrofit

For replacement applications. 2" replacement flange allows for convenient installation with no need to break out stucco.



Block

For some replacement applications.



Nail-on

For new construction applications. This frame type allows targeted installation in a newly created opening. 1-3/8" set back to meet builders needs.





THERMALLY BROKEN ALUMINUM TILT-IN SINGLE HUNG WINDOWS FEATURES & BENEFITS

Take a moment to learn about the outstanding features and benefits of our Thermally Broken Aluminum Tilt-in Single Hung Windows, which carry a Lifetime Warranty for your peace of mind.

STANDARD COLORS*

Standard extruded aluminum colors are Bronze Anodized and Clear Anodized with matching hardware.

Bronze Anodized

Clear Anodized

*Color swatches are intended as a representation only and may vary due to printing limitations.

Durability and ease of use

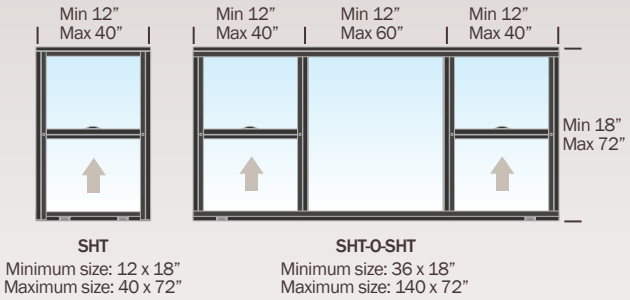
- Heavy duty extruded aluminum for structural strength and durability
- 20 mil anodizing thickness provides long lasting finish and consistent color
- Even sight lines for a balanced look
- Frame and sashes are mechanically fastened for additional support and structural integrity
- Reinforced non-hollow sill for superior strength
- Integral pull rail for easy operation of operating sash
- Heavy-duty replacement flange is 2” wide
- 1-3/8” nailing fin set back
- Optional Super spacer with a secondary butyl seal provides a secure IG seal
- Single Hung models allow operating sash to tilt in for safe and convenient cleaning from inside the home
- Hung models feature coils balance system which delivers superior capability to operate a heavy sash effortlessly
- Auto-lock matching the aluminum color features robust dual hooks for superior forced entry resistance and has the capability to operate a heavy sash smoothly
- Weep hole covers prevent debris from obstructing the drainage system and provide an aesthetic look
- Screen: Includes standard screen

Enhanced energy efficiency

- Beveled, multi-chambered extruded aluminum featuring thermal breaks improves thermal performance while providing a slim and elegant appearance
- 3-1/4” frame depth engineered to host heavier insulated glass units of specialty glass packages
- Optional Duralite spacer enhances thermal performance of glass components
- Full double weather stripping helps prevent elements infiltration
- 1” dual pane insulated glass unit featuring LoE3 glass is standard
- Optional triple pane glass for exceptional thermal performance
- Argon gas filled glass chambers for increased energy savings are standard for all glass packages

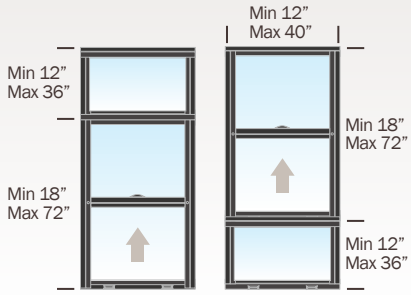
Tilt-in Single Hung Windows

Available Configurations and Combination Units

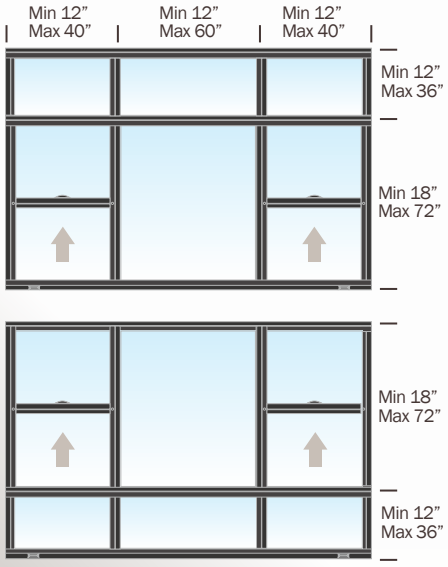


SHT
Minimum size: 12 x 18"
Maximum size: 40 x 72"

SHT-O-SHT
Minimum size: 36 x 18"
Maximum size: 140 x 72"



SHT T1 or B1
Minimum size: 12 x 30"
Maximum size: 40 x 108"



SHT-O-SHT T3 or B3
Minimum size: 36 x 30"
Maximum size: 140 x 108"

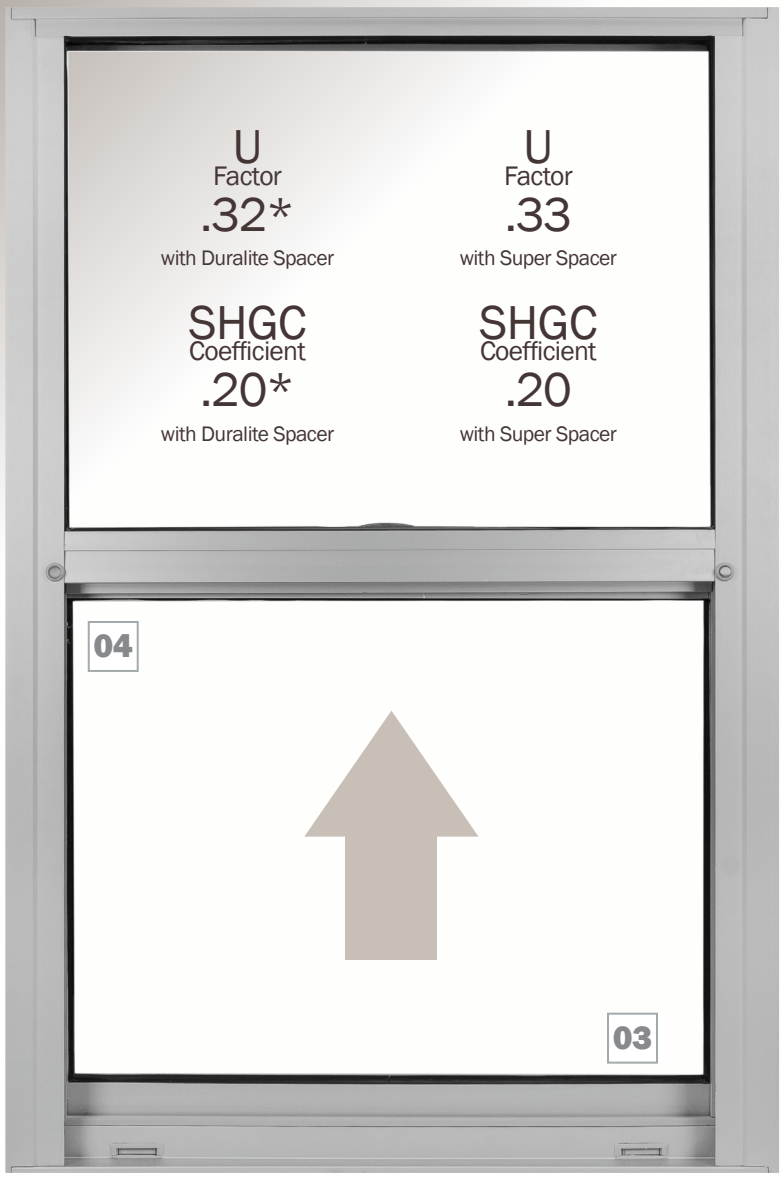
The configurations listed are only a glimpse of all the different possibilities. Many different styles are available to meet your project needs.



Tilt-in Single Hung Windows features at a glance, inside view

- **01** *Mechanical corner connections*
- **02** *Heavy-duty aluminum frame and sash*
- **03** *Constant force coils balance system*
- **04** *Integral pull rail*
- **05** *Auto-lock matching frame color with superior FER*
- **06** *Tilt latches*
- **07** *Double weather-stripping*

SERIES T-5102 TILT-IN SINGLE HUNG WINDOWS OUTSIDE FEATURES & PERFORMANCE



*Meets Title 24 Criteria for the State of California when ordered with Triple Glaze option featuring LoE3 high-performance glass and Duralite Spacer

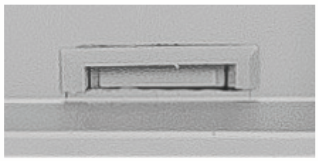
Tilt-in Single Hung Window features at a glance, outside view

01 *Block frame*

02 *Firmly secured interlock*

03 *Covered weep-holes*

04 *Double weatherstripping*



Covered weep-hole

Tilt-in Single Hung Windows SHT				Thermal Performance				
Glazing				Grids	U Factor	SHGC	VT	CR Condensation Resistance
Triple	2 mm LoE3	2 mm Clear	2 mm LoE3	None	0.32	.20	.39	CR 37
				3/4-5/8"		.19	.35	
				1"		.17	.31	
Dual	6.35 mm Lami	3 mm LoE3		None	0.40	.23	.52	CR 36
				3/4-5/8"		.21	.47	
				>1"		.19	.42	
Dual	3 mm LoE3	3 mm Clear		None	0.40	.33	.53	CR 35
				3/4-5/8"		.30	.48	
				>1"		.27	.42	

As tested with LoE3 glass, Duralite Spacer and Argon gas filled combined with clear or laminated glass.
*Meets Title 24 Criteria for the State of California

Auto-lock

Matching the aluminum color
Features robust dual hooks for superior forced entry resistance
Effortless long lasting performance



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 vary depending on the position of the sash.

This constant force balance system has been tested to hold our heaviest insulated glass units featuring three glass panes, laminated glass, and other glass packages; from 7 to 100 lb, offering up to 35" of movement.

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



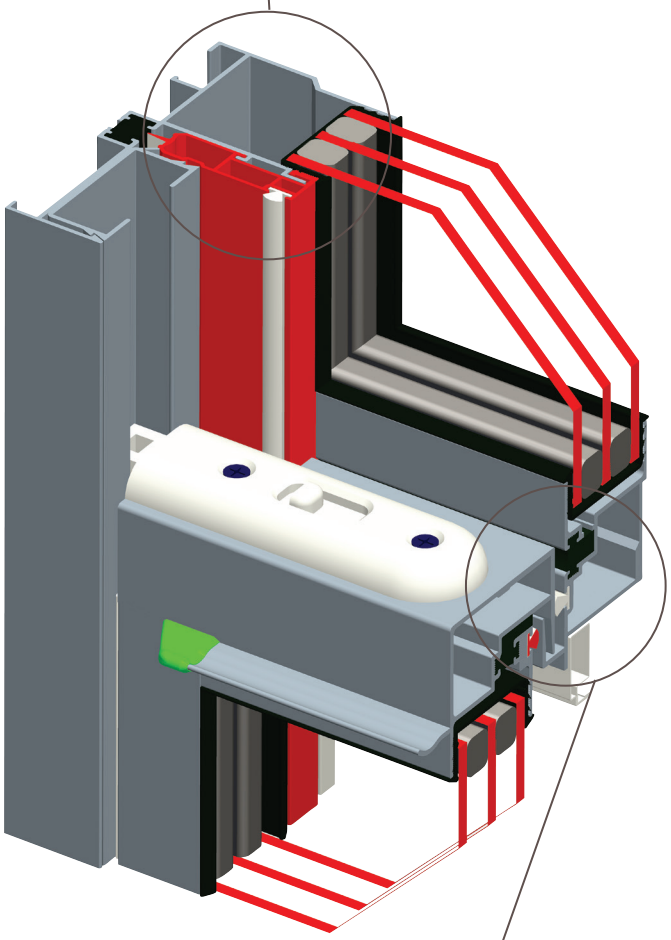
Individual coil



SUPERIOR DESIGN AND WINDOW CONSTRUCTION

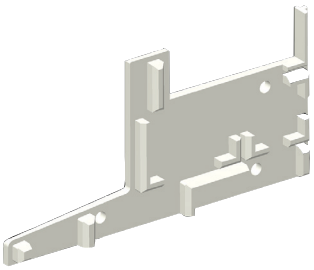
Extrusion, interlock and mullion design

A multi-chambered and rectangle shaped extrusion allows for superior weight support and stability

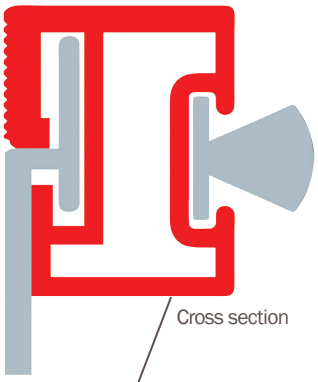


A unique rectangle shaped and multi-chambered design of both the mullion and interlock in tilt-in single hung windows delivers rigidity and overall strong structural support

Frame and panel construction

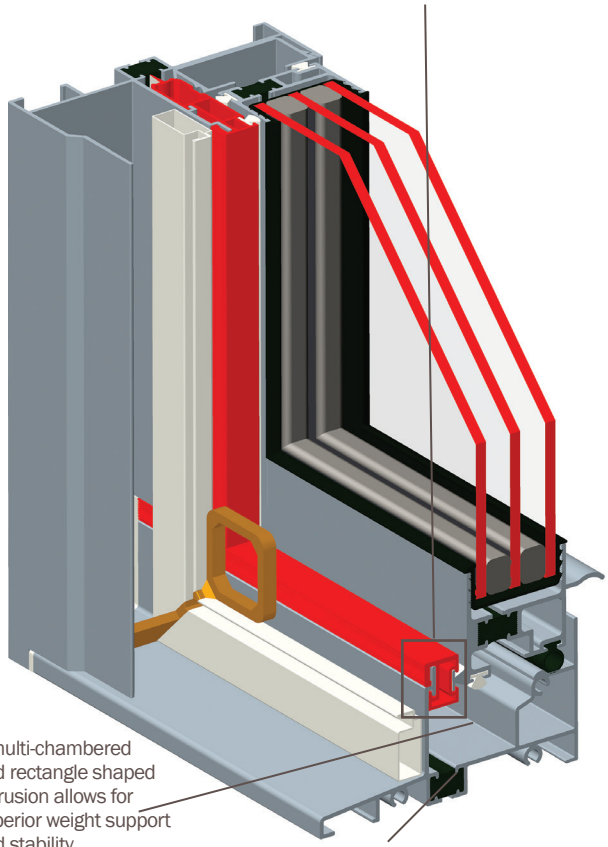


The compression gasket at the joints keeps water from leaking into the building walls and maintains its function even after shifts occur in the building structure



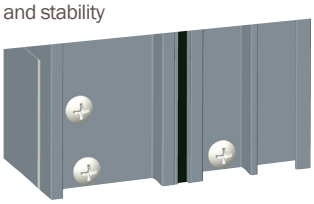
Cross section

Unique extrusion design reduces bridging and delivers outstanding stability

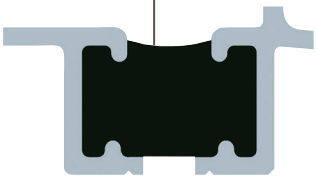


A multi-chambered and rectangle shaped extrusion allows for superior weight support and stability

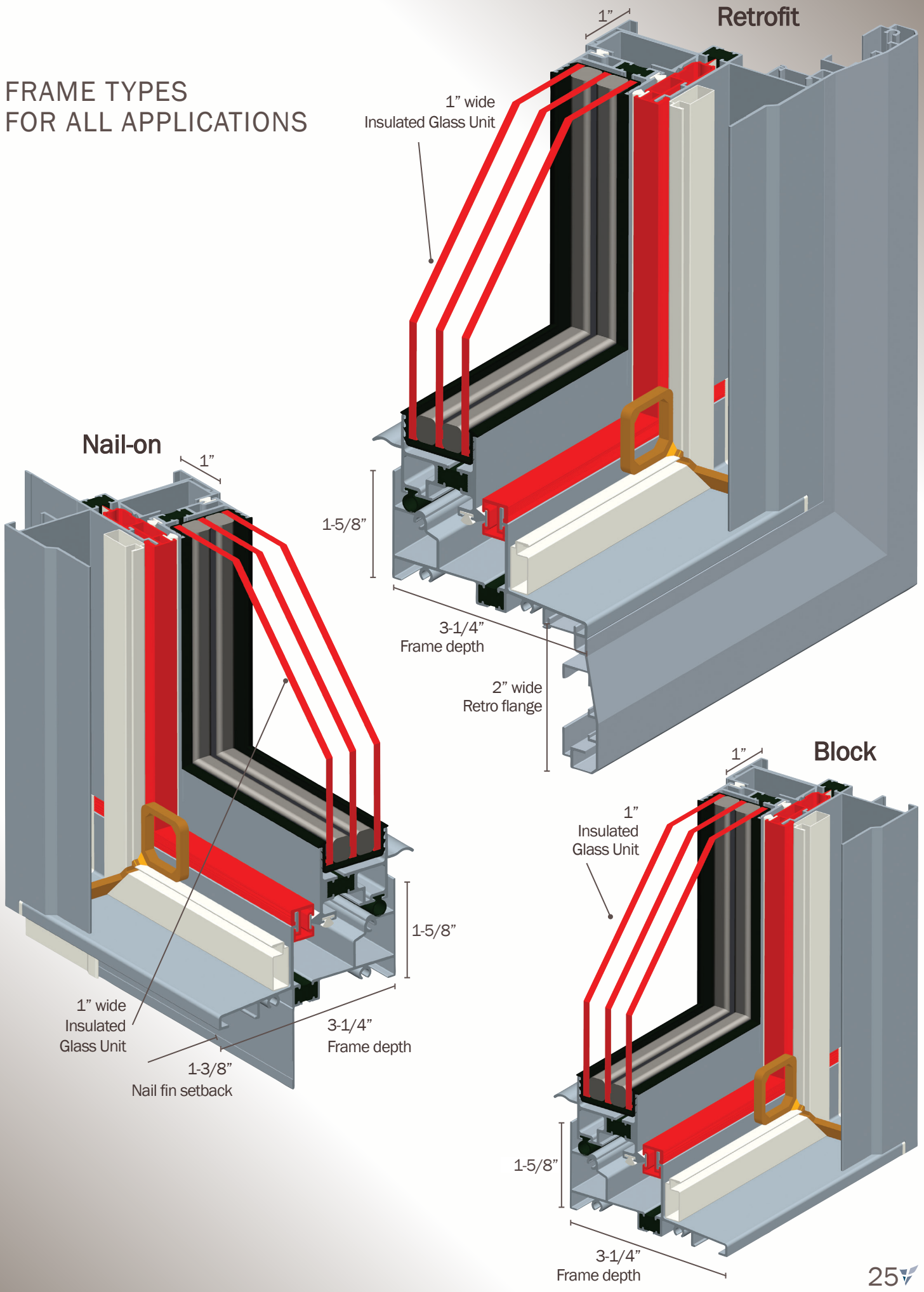
Thermal breaks in aluminum windows are used to reduce heat transmittance which improves U-Factor and overall thermal performance



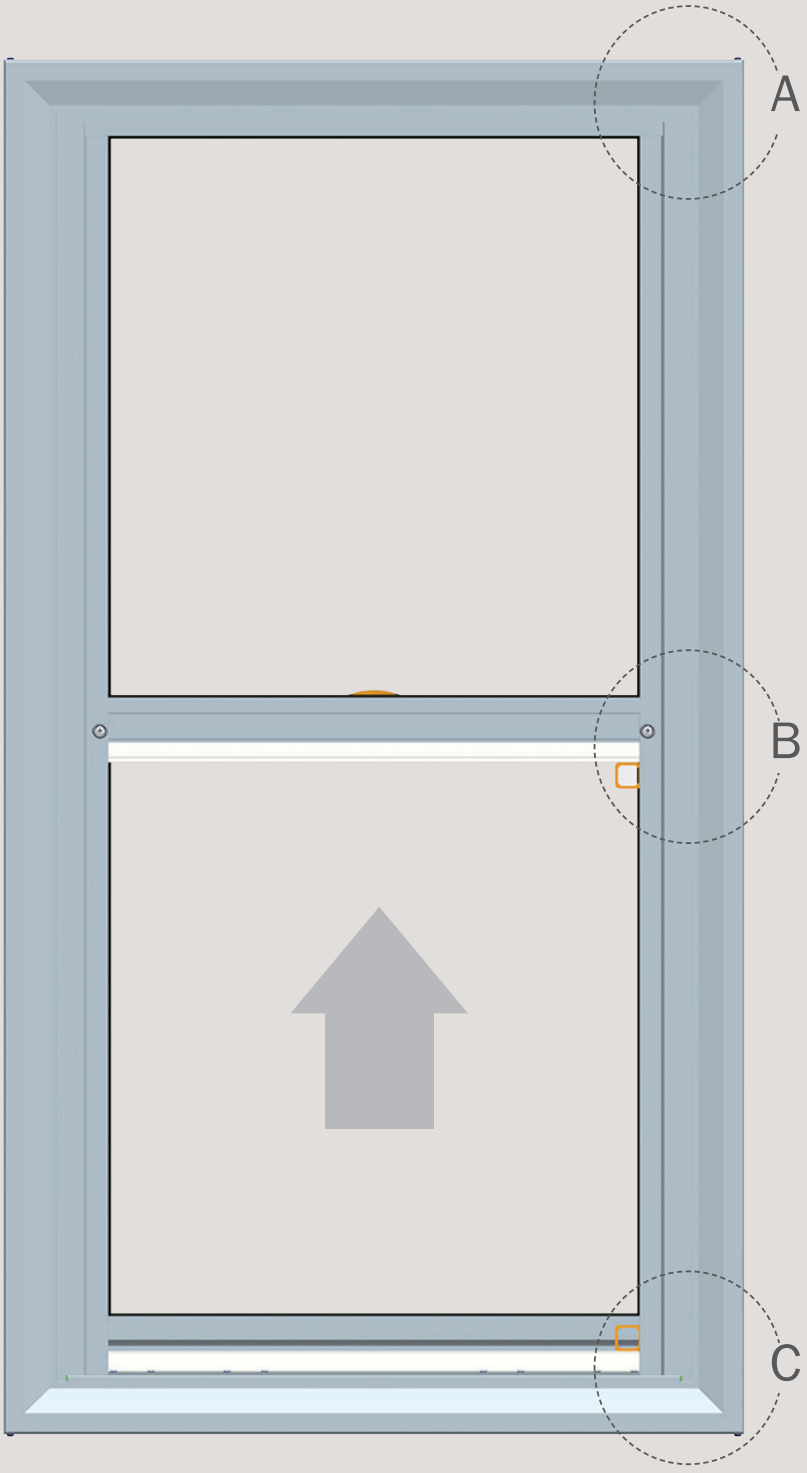
Four stainless steel screws on each frame corner allow for consistent and secure joints and structural stability for the window



FRAME TYPES FOR ALL APPLICATIONS



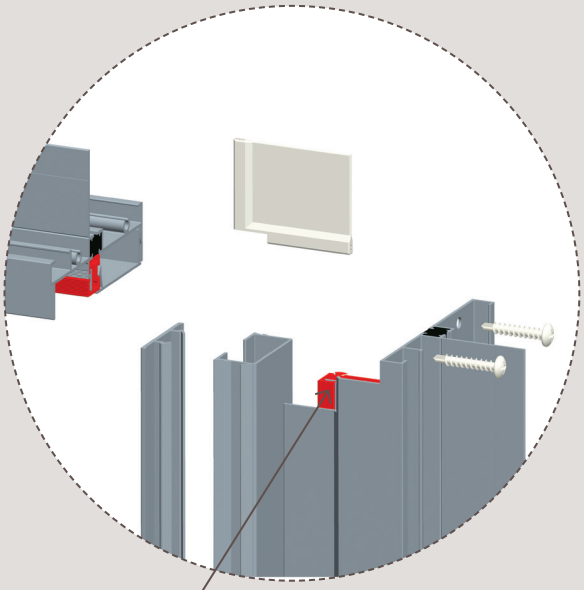
Thermally Broken Aluminum Tilt-in Single Hung AL-SHT-5102



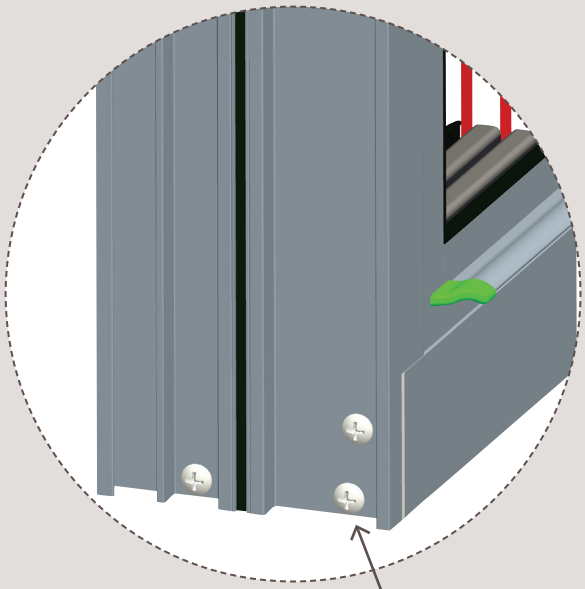
Thermally Broken Aluminum Tilt-in Single Hung AL-SHT-5102 Sectional Drawings

A Mechanical corner connections

Joints are mechanically fastened together with stainless steel screws to provide high rigidity and strength



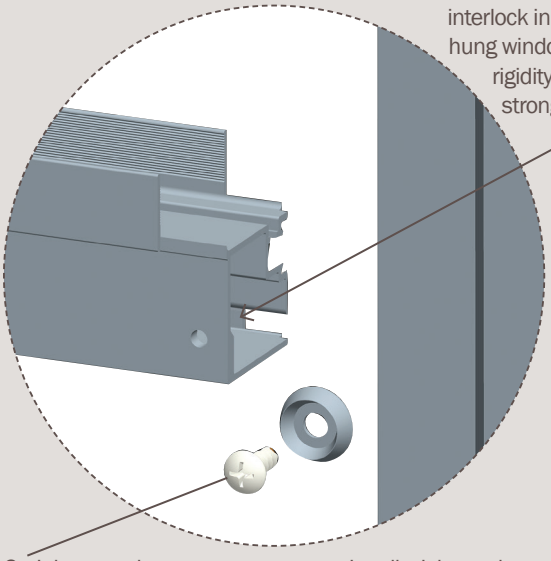
Vinyl composite inserts for an extra layer of protection for the frame against heat transmittance



Stainless steel screws

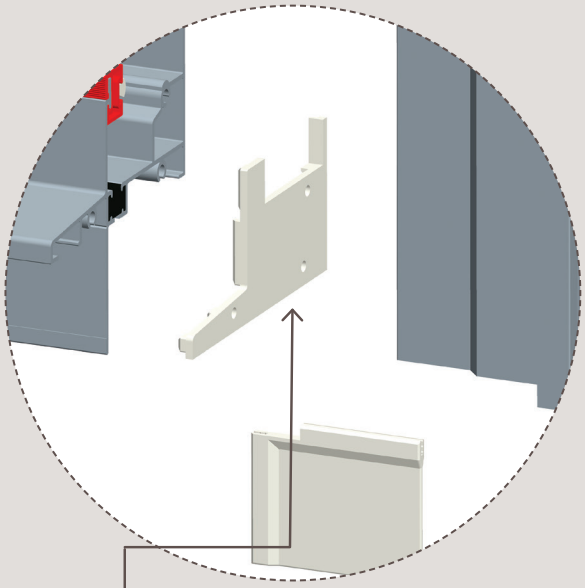
B Securely fastened interlock

The unique rectangle shaped design of both the mullion and interlock in tilt-in single hung windows delivers rigidity and overall strong structural support



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

C Nylon composite compression gasket



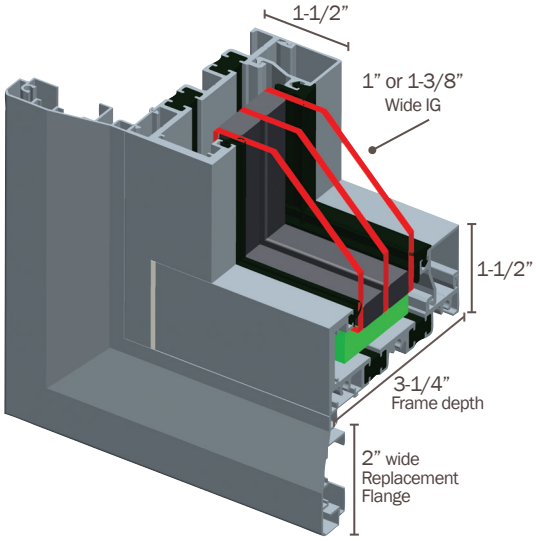
The compression gasket at the joints keeps water from leaking into the building walls and maintains its function even after shifts occur in the building structure



FRAME TYPES FOR REPLACEMENT AND NEW CONSTRUCTION APPLICATIONS

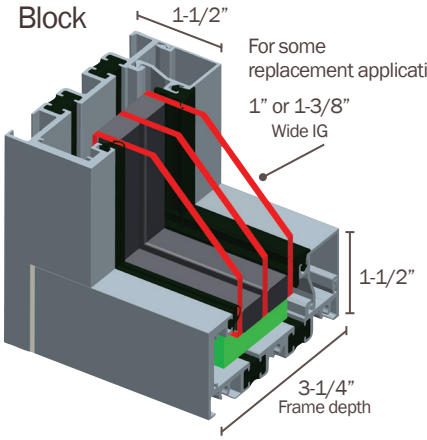
Retrofit

For replacement applications. 2" replacement flange allows for convenient installation with no need to break out stucco.



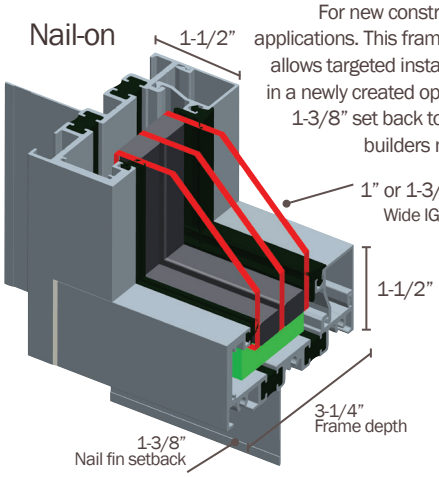
Block

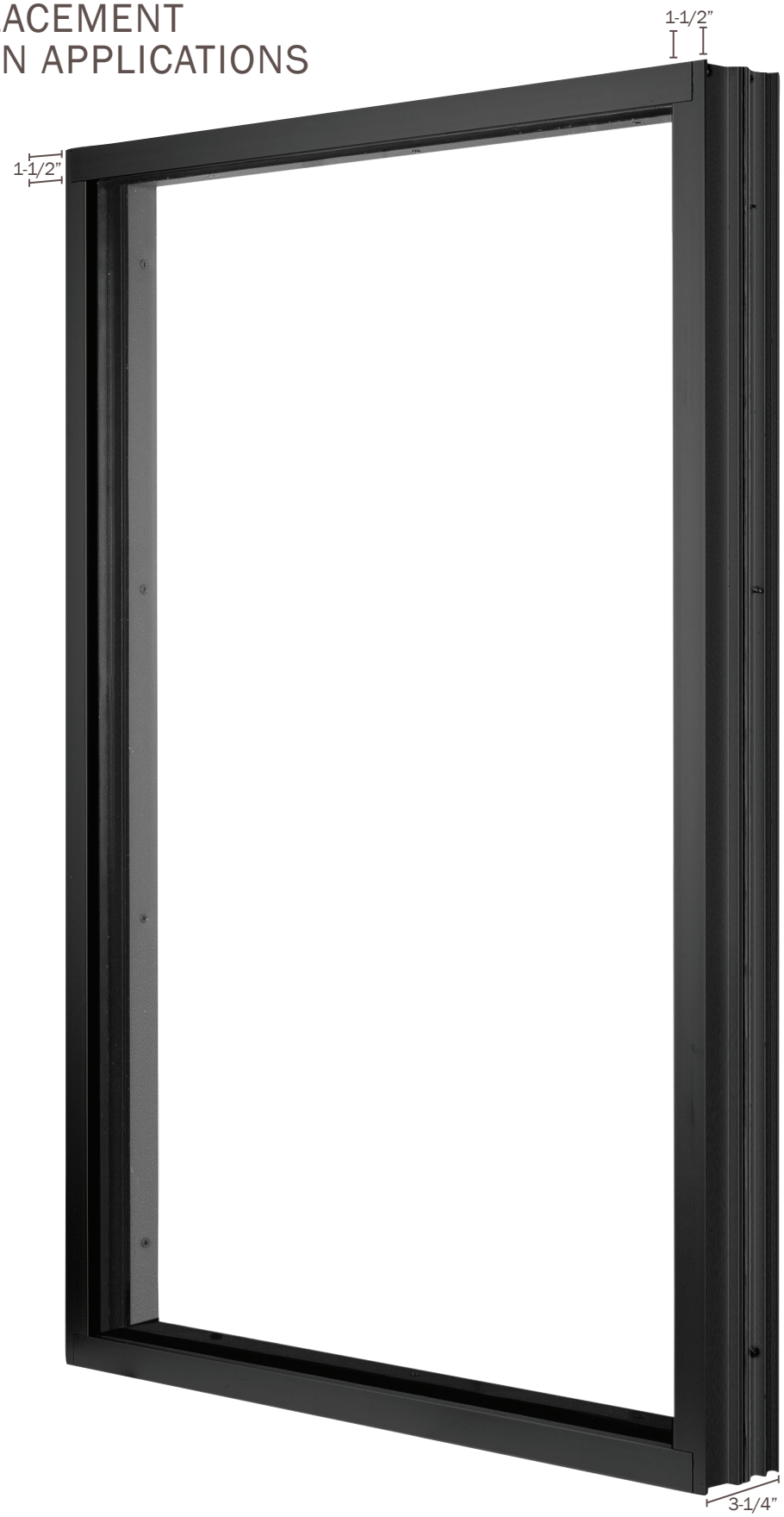
For some replacement applications.



Nail-on

For new construction applications. This frame type allows targeted installation in a newly created opening. 1-3/8" set back to meet builders needs.







THERMALLY BROKEN ALUMINUM PICTURE WINDOWS FEATURES & BENEFITS

Take a moment to learn about the outstanding features and benefits of our Thermally Broken Aluminum Picture Windows, which carry a Lifetime Warranty for your peace of mind.

STANDARD COLORS*

Standard extruded aluminum colors are Bronze Anodized and Clear Anodized with matching hardware.

Bronze Anodized

Clear Anodized

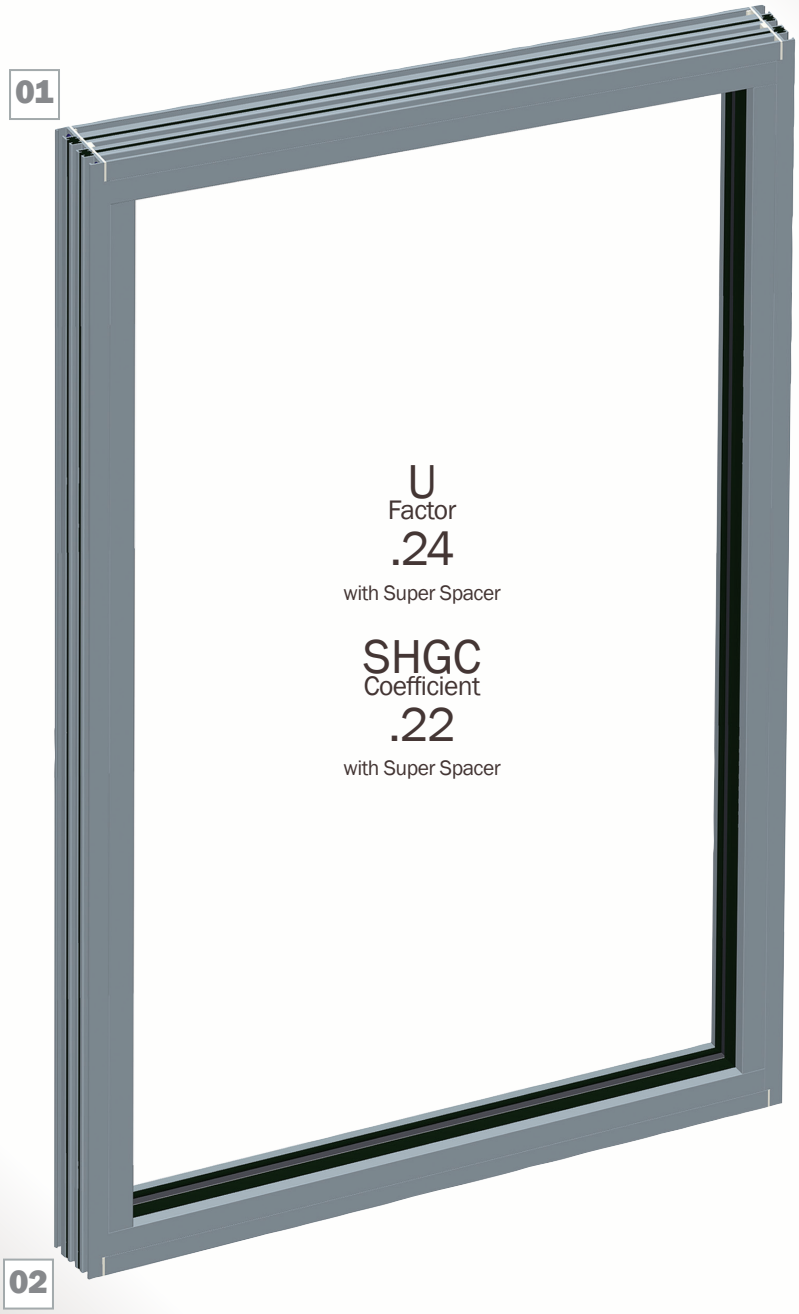
*Color swatches are intended as a representation only and may vary due to printing limitations.

Durability and ease of use

- Heavy duty extruded aluminum for structural strength and durability
- 20 mil anodizing thickness provides long lasting finish and consistent color
- Frame is mechanically fastened for additional support, and structural integrity
- Heavy-duty replacement flange is 2” wide
- 1-3/8” nailing fin setback
- Optional Super spacer with a secondary butyl seal provides a secure IG seal

Enhanced energy efficiency

- Beveled, multi-chambered extruded aluminum featuring thermal breaks improves thermal performance with a slim and elegant appearance
- 3-1/4” frame depth engineered to host heavier insulated glass units of specialty glass packages
- Optional Duralite spacer enhances thermal performance of glass components
- 1” or 1-3/8” insulated glass unit featuring LoE3 glass
- Optional triple pane glass for enhanced thermal performance
- Argon gas filled glass chambers for increased energy savings



PICTURE WINDOW FEATURES & PERFORMANCE

Picture Windows
features at a glance, inside view

01 *Mechanically joined corners*

02 *Heavy-duty aluminum frame and sash*

Picture Windows



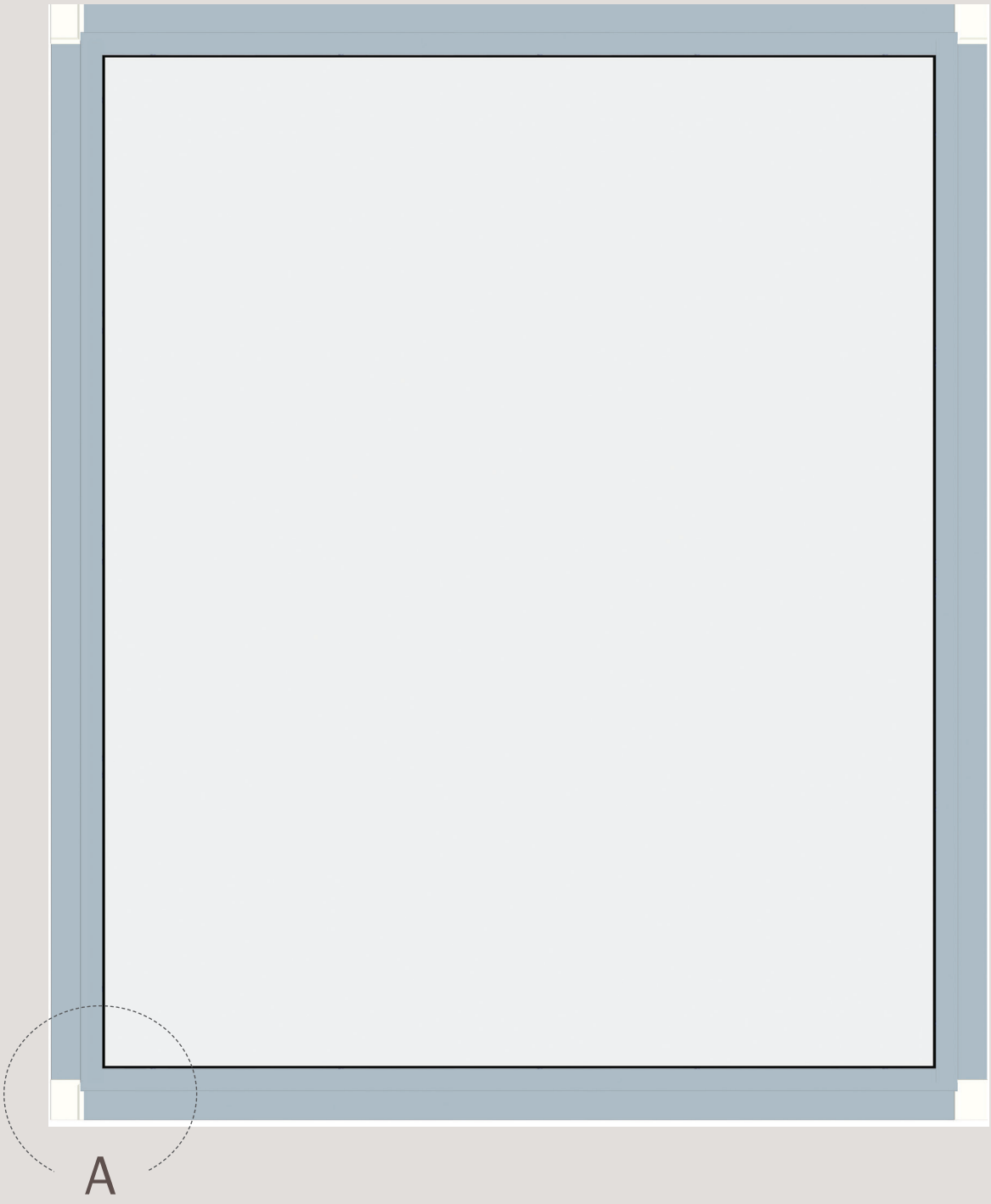
PW
Minimum size: 8 x 8”
Maximum size: 72 x 72”

Larger sizes are available by special order,
contact your sales representative for more details

Picture Windows PW				Thermal Performance					Structural Performance
Glazing				Grids	U Factor	SHGC	VT	CR Condensation Resistance	
Triple	3 mm LoE3	3 mm Clear	3 mm LoE3	None	0.24	.22	.43	CR 37	CW-PG30 Size tested 70x60”
				3/4-5/8”	0.25	.20	.38		
				1”	0.26	.18	.34		
Dual	6.35 mm Lami	3 mm LoE3		None	0.31	.25	.58	CR 38	
				3/4-5/8”		.23	.52		
				>1”		.21	.47		
Dual	3 mm LoE3	3 mm Clear		None	0.32	.36	.59	CR 35	
				3/4-5/8”		.33	.53		
				>1”		.30	.48		

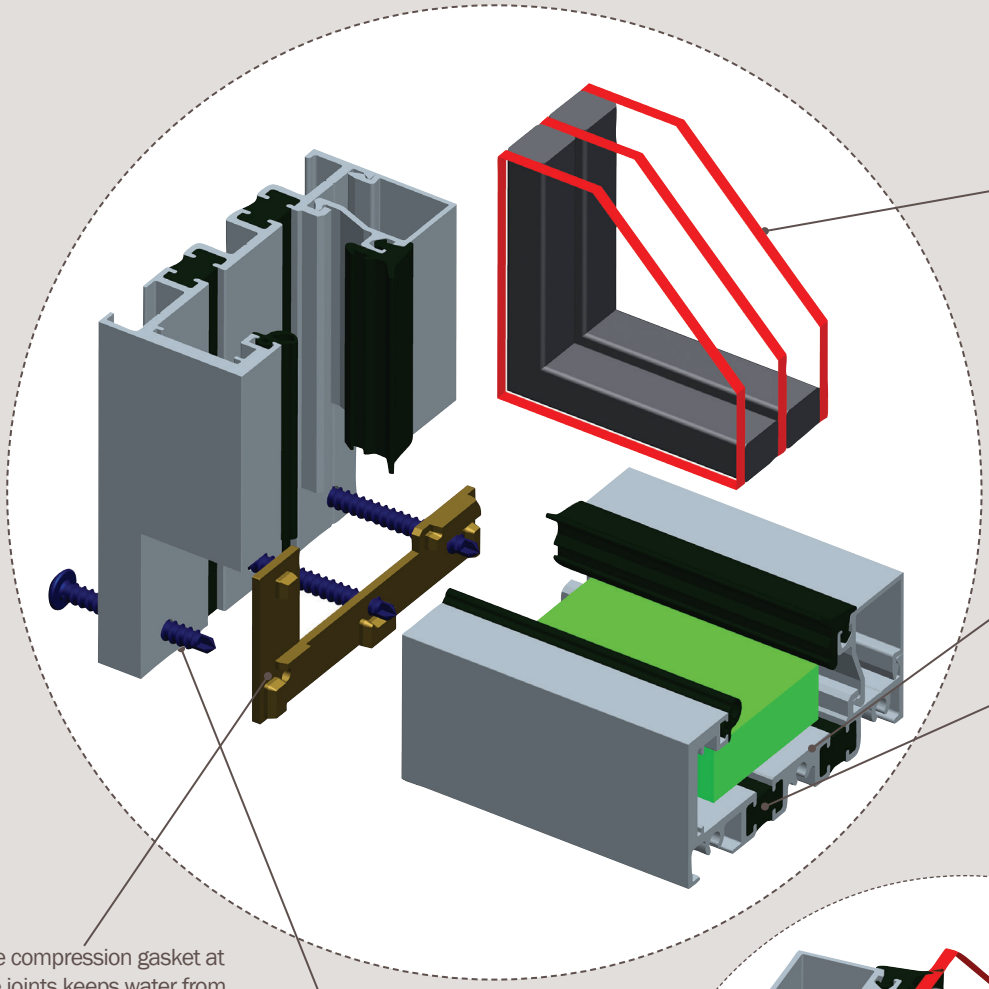
As tested with LoE3 glass, Super Spacer and Argon gas filled combined with clear or laminated glass.
*Meets Title 24 Criteria for the State of California

Thermally Broken Aluminum Picture Window AL-PW-5106



Thermally Broken Aluminum Picture Window AL-PW-5106 Sectional Drawings

A Mechanical corner connections

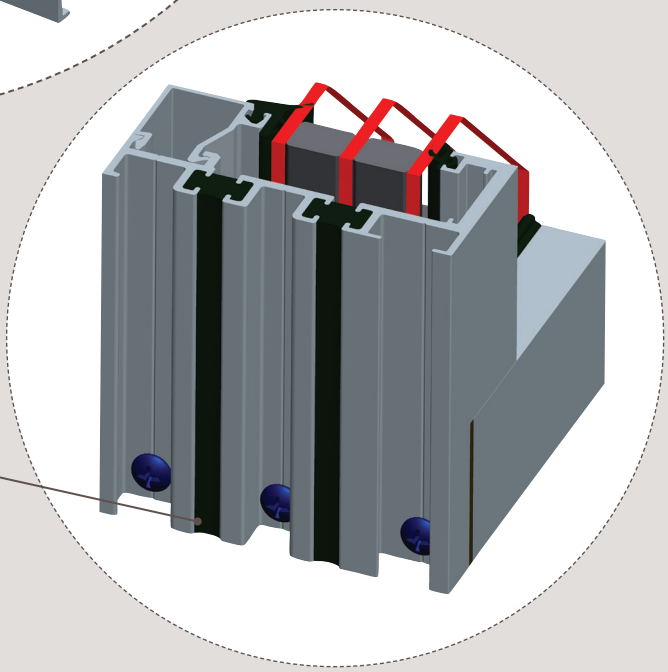


1" or 1-3/8" IG unit

Unique extrusion design reduces bridging and delivers outstanding stability

Thermal breaks in aluminum windows are used to reduce heat transmittance which improves U-Factor and overall thermal performance

The compression gasket at the joints keeps water from leaking into the building walls and maintains its function even after shifts occur in the building structure



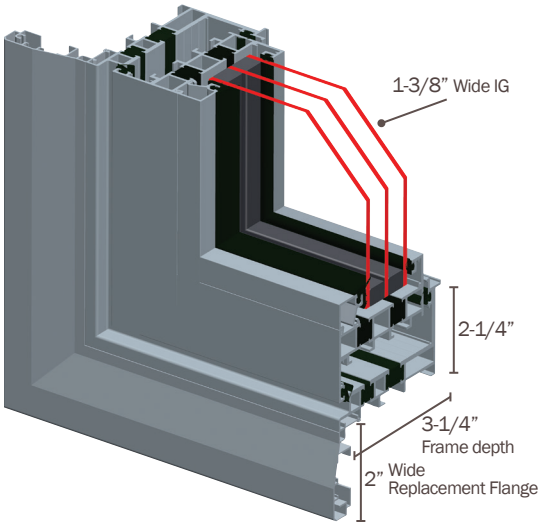
Joints are mechanically fastened together with stainless steel screws to provide high rigidity, strength, and stability for the window



FRAME TYPES FOR REPLACEMENT AND NEW CONSTRUCTION APPLICATIONS

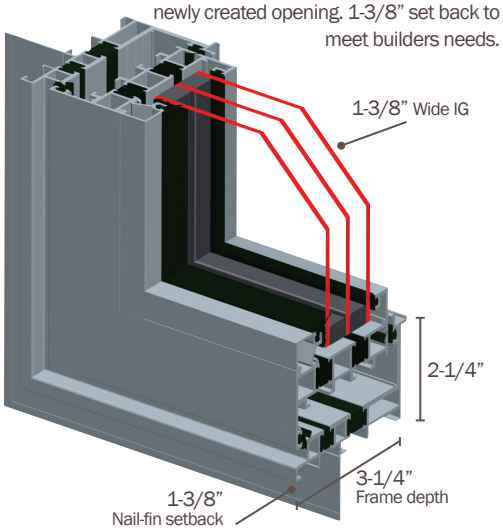
Retrofit

For replacement applications. 2" replacement flange allows for convenient installation with no need to break out stucco.



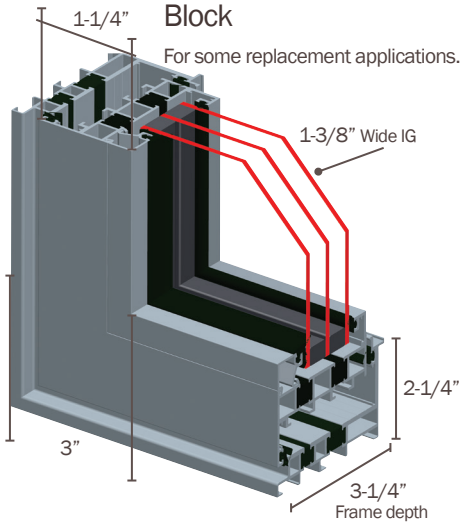
Nail-on

For new construction applications. This frame type allows targeted installation in a newly created opening. 1-3/8" set back to meet builders needs.



Block

For some replacement applications.







THERMALLY BROKEN ALUMINUM STANDARD SIZE CASEMENTS & AWNINGS FEATURES & BENEFITS

Take a moment to learn about the outstanding features and benefits of our Thermally Broken Aluminum Casements and Awnings, which carry a Lifetime Warranty for your peace of mind.

STANDARD COLORS*

Standard extruded aluminum colors are Bronze Anodized and Clear Anodized with matching hardware.



Bronze Anodized



Clear Anodized

*Color swatches are intended as a representation only and may vary due to printing limitations.

Durability and ease of use

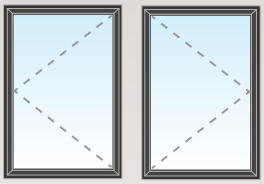
- Heavy duty extruded aluminum for structural strength and durability
- 20 mil anodizing thickness provides long lasting finish and consistent color
- Miter cut frame and sash construction for structural integrity
- Sashes are miter cut and feature screws for additional support and solid structure
- Heavy-duty replacement flange is 2” wide
- 1-3/8” nailing fin setback
- Super spacer with high-quality silicone for outstanding performance of glass and edge seal durability
- Casements and Awnings feature a slim operator cover and handle engineered to deliver superior performance and strength with a patented two-directional fixing design
- Operators provide optimized gear ratio for smooth operation of large sash and feature pre-fitted foam gasket for maximum air and water performance
- Low profile operators with only 8 mm projection with brush gasket in the handle retainer which provides an insect barrier
- Multi-point locking system
- Screen: Standard screen is included

Enhanced energy efficiency

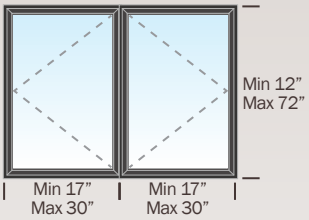
- Beveled, multi-chambered extruded aluminum featuring thermal breaks improves thermal performance while providing a slim and elegant appearance
- 3-1/4” frame depth engineered to host heavier insulated glass units of specialty glass packages
- Optional Duralite spacer enhances thermal performance of glass components
- Full double weatherstripping helps prevent elements infiltration
- 1-3/8” insulated glass unit featuring LoE3 glass
- Optional triple pane glass for enhanced thermal performance
- Argon gas filled glass chambers for increased energy savings

Standard Casements & Awnings

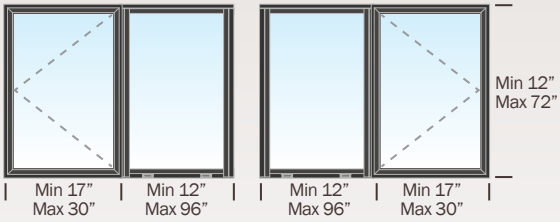
Available Configurations and Combination Units



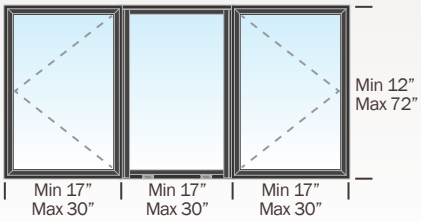
CL & CR
Minimum size: 17 x 12”
Maximum size: 30 x 72”



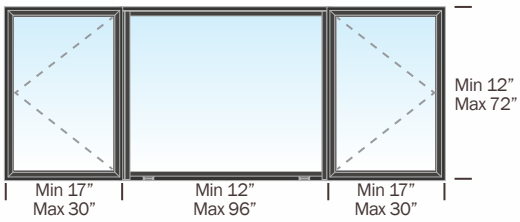
CC
Minimum size: 34 x 12”
Maximum size: 60 x 72”



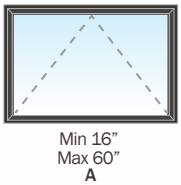
CO & OC
Minimum size: 29 x 12”
Maximum size: 126 x 72”



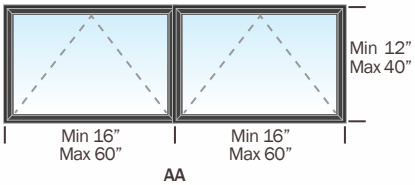
COC 1/3 - 1/3 - 1/3
Minimum size: 51 x 12”
Maximum size: 90 x 72”



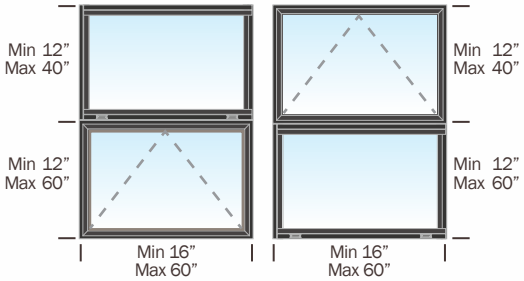
COC
Minimum size: 46 x 12”
Maximum size: 156 x 72”



A
Minimum size: 16 x 12”
Maximum size: 60 x 40”



AA
Minimum size: 32 x 12”
Maximum size: 120 x 40”



A T1 or B1
Minimum size: 16 x 24”
Maximum size: 60 x 100”



Standard Casement window features at a glance, inside view

- **01** *Miter cut frame and sash solid construction*
- **02** *Heavy-duty aluminum frame and sash*
- **03** *Low profile operator and lock matching frame color*
- **04** *Double weather stripping, frame and sash*

SERIES T-5105 CASEMENT WINDOW OUTSIDE FEATURES & PERFORMANCE

U Factor .32 with Super Spacer

SHGC Coefficient .17 with Super Spacer



Meets Title 24 Criteria for the State of California when ordered with Triple Glaze option featuring LoE3 high-performance glass

Casement window features at a glance, outside view

01 *Block frame*

02 *Miter cut frame and sash*

03 *Double weatherstripping*

Casement Windows CML or CMR				Thermal Performance					Structural Performance
Glazing				Grids	U Factor	SHGC	VT	CR Condensation Resistance	
Triple	3 mm LoE3	3 mm Clear	3 mm LoE3	None	0.32	.17	.31	CR 45	CW-PG30 Size tested 70x60”
				3/4 -5/8”		.16	.28		
				1”		.14	.25		
Dual	6.35 mm Lami	3 mm LoE3		None	0.41	.19	.42	CR 43	
				3/4 -5/8”		.18	.38		
				>1”		.16	.34		
Dual	3 mm LoE3	3 mm Clear		None	0.42	.27	.43	CR 43	
				3/4 -5/8”		.25	.39		
				>1”		.23	.36		

As tested with LoE3 glass, Super Spacer and Argon gas filled combined with clear or laminated glass.
*Meets Title 24 Criteria for the State of California

THERMALLY BROKEN ALUMINUM AWNING WINDOWS

SERIES T-5105

AL-CM-A-5105



Closed awning outside view



Open awning outside view



Closed awning inside view



Open awning inside view





AL-CM-5105

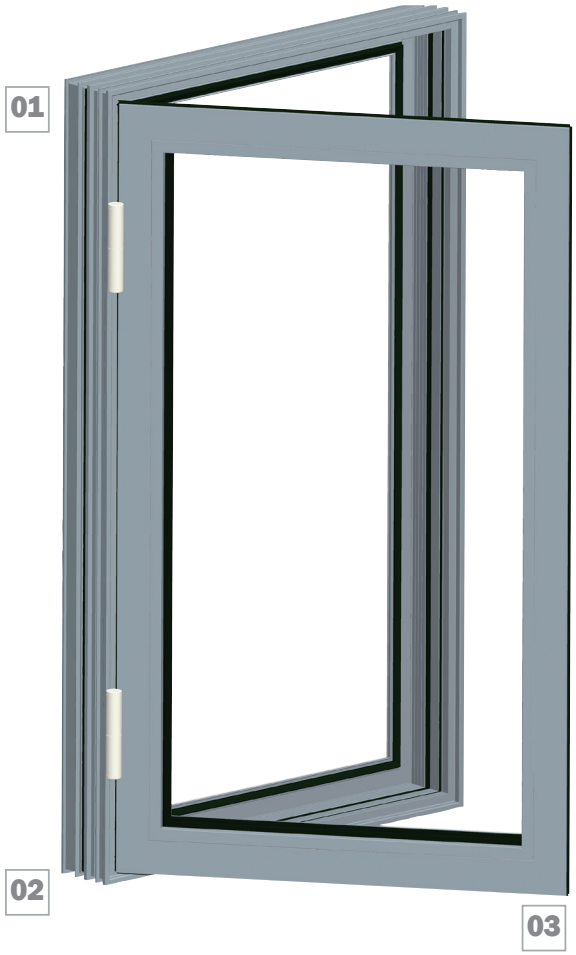


www.dr-hahn.eu/en-gb/

Dr. Hahn®
HINGES. MADE IN GERMANY.

Value's oversized casement windows feature high-quality hinges manufactured in Germany by Dr. Hahn, exclusively distributed by ASSA ABLOY.

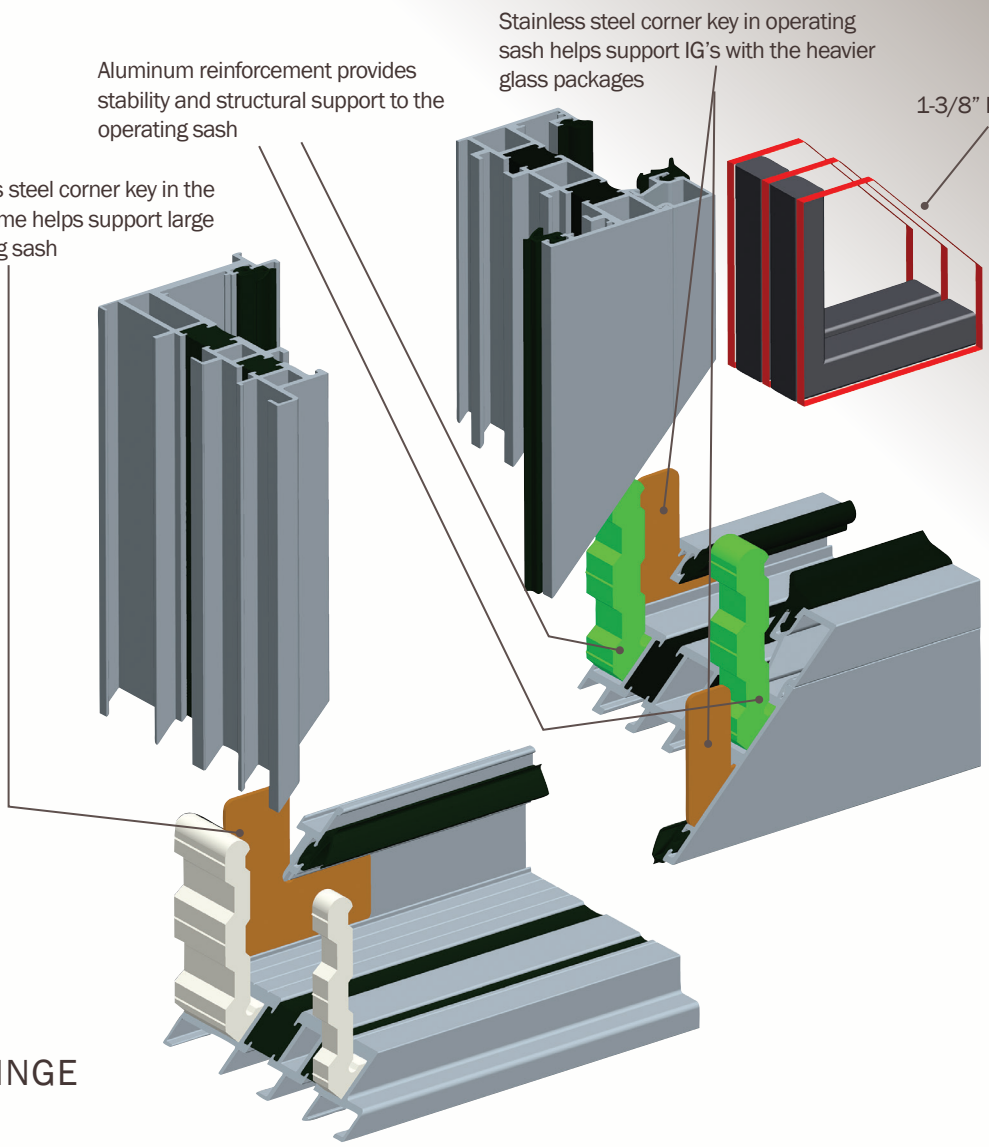
This top of the line hardware allows our hinged casements to hold up to 264 lbs and operate smoothly without compromising the stability of the operating sash. Made of extruded aluminum, which is well suited to absorb both pressure ant tensile forces. The 12 mm thick bolt is made from steel and withstands any load. High comfort in a beautifully shaped design combines safety and durability.



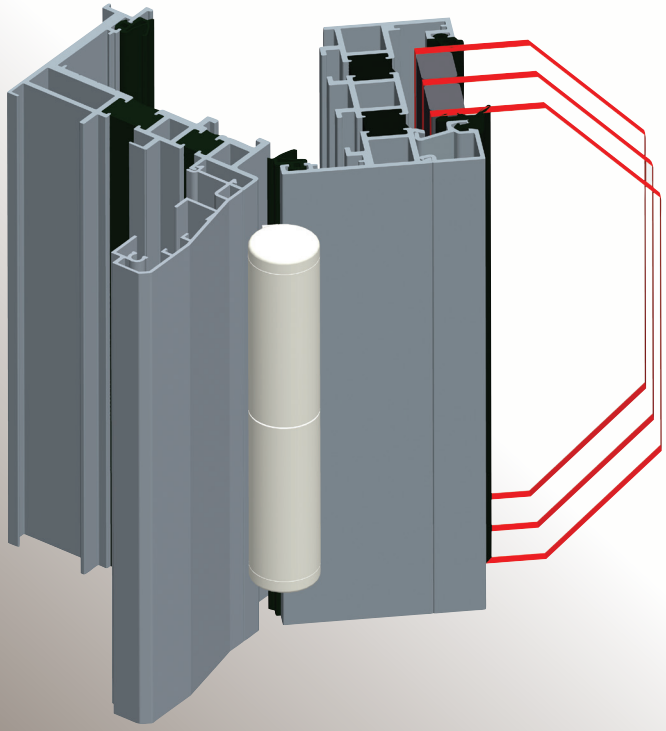
Casement Features at a glance

- **01** *Miter cut frame and sash solid construction*
- **02** *Heavy-duty aluminum frame and sash*
- **03** *Low profile operator and lock matching frame color*

HINGED CASEMENT AL-CM-5105 CORNER CONSTRUCTION



OPEN CASEMENT AT HINGE





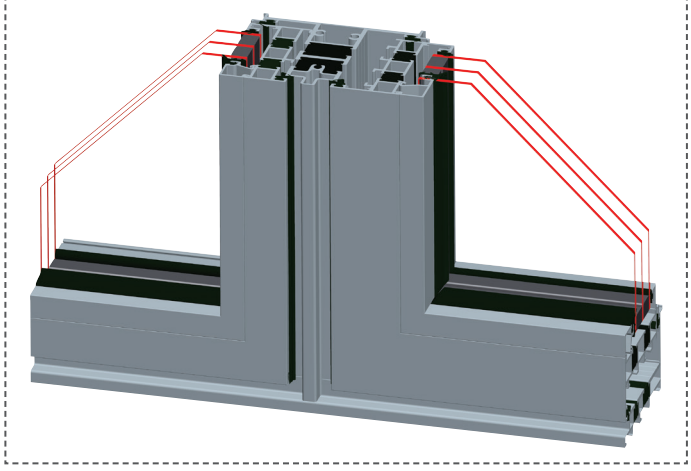
THERMALLY BROKEN ALUMINUM

CASEMENT PICTURE WINDOW SERIES T-5105

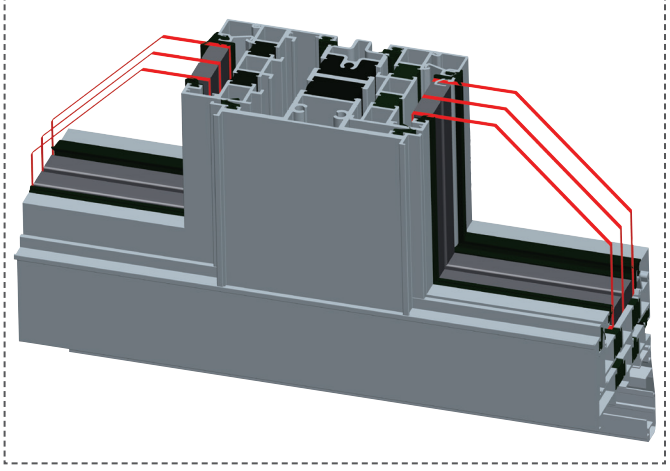


Casement-picture window inside view. Frame type: retrofit

Casement-picture window joint outside view

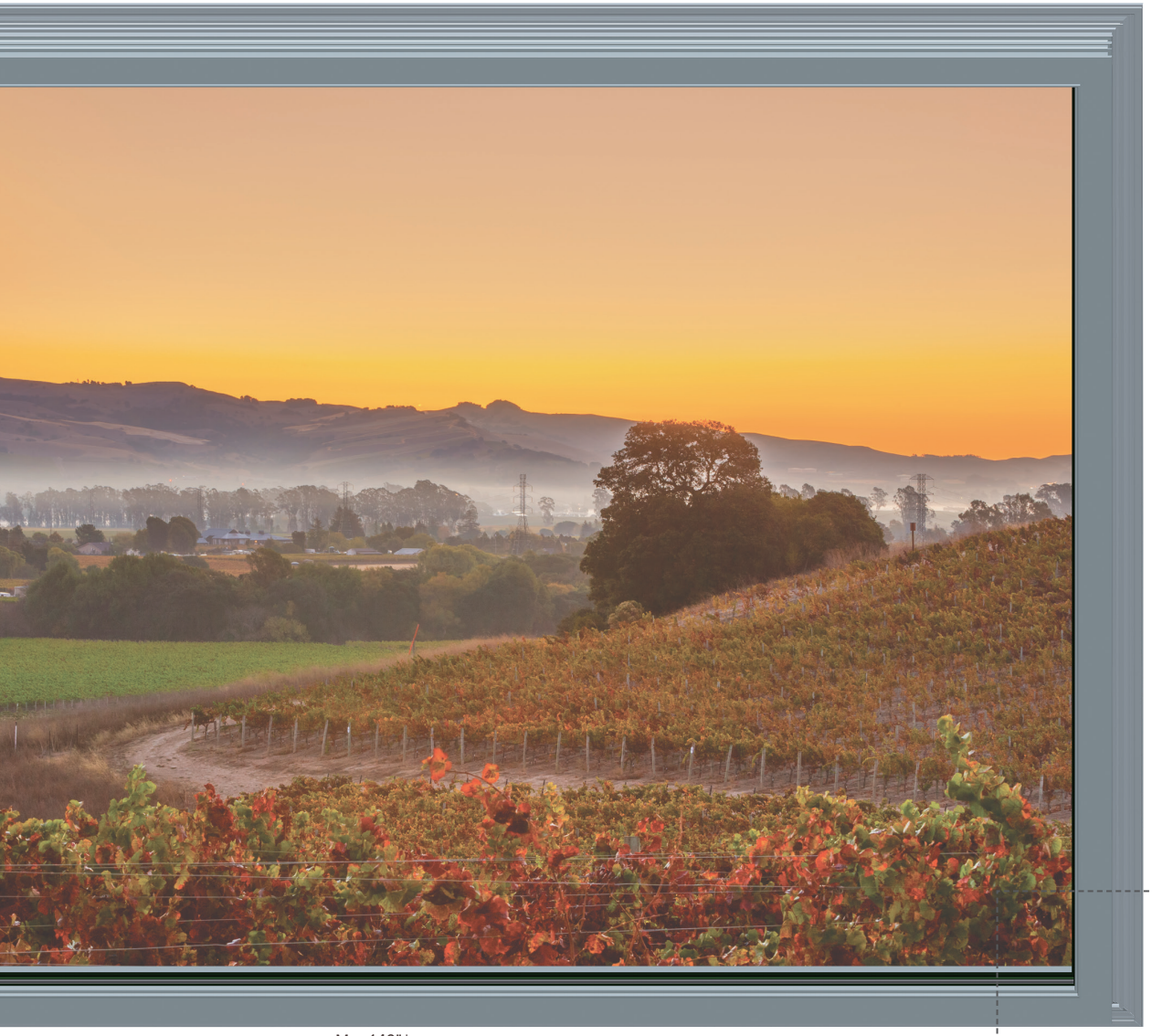


Casement-picture window joint inside view



CASEMENT PICTURE WINDOW SERIES T-5105

Casement-picture window combination units feature
casement mainframe for a uniform look and outstanding support

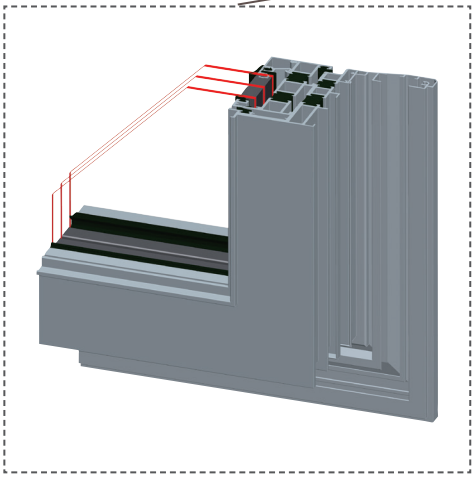


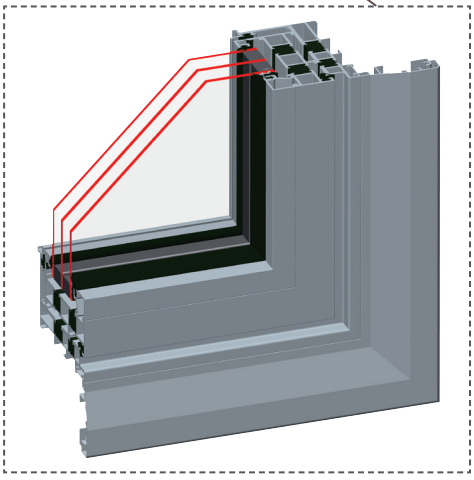
Max 140"*

Max 172"*

Picture window corner outside view, retrofit frame

Picture window corner inside view





For larger sizes and high-rise installation job-site assembly may be required, contact your Sales Representative for lead time and shipping arrangements

*Maximum sizes require Tempered glass

THERMALLY BROKEN ALUMINUM
CASEMENT-AWNING-PICTURE COMBO UNIT SERIES T-5105

These functional combination units feature
Casement mainframe for a uniform look and outstanding support



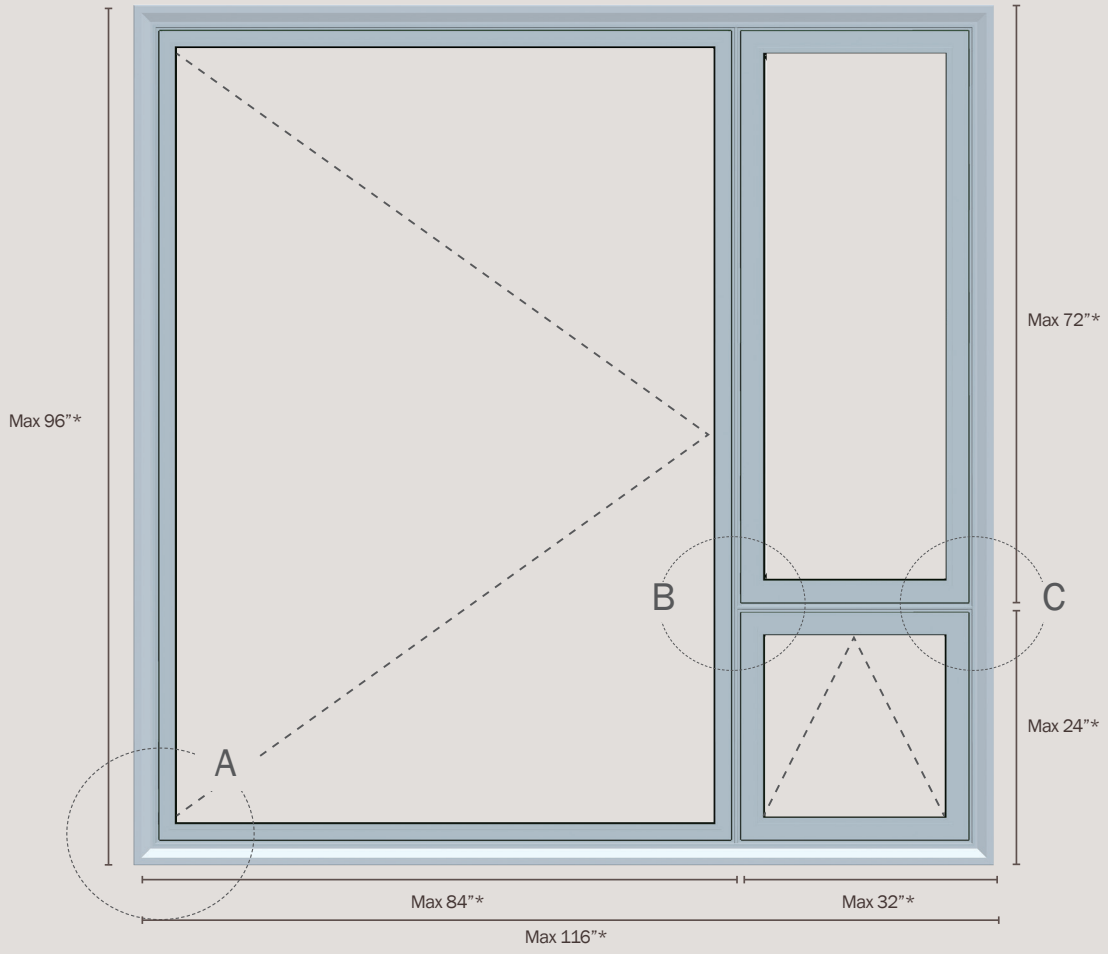
FEATURES

- Available in all frame types, Retrofit, Block, and Nail-on
- Maximum overall width 116”
- Maximum overall height 96”
- Available with Duralite or Super Spacer
- Dual glazed or triple glazed with Argon gas fill and LoE3 glass
- At largest sizes, tempered glass is required

*Maximum sizes require Tempered glass.
For larger sizes and high-rise installation, contact your Sales Representative for lead time and shipping arrangements

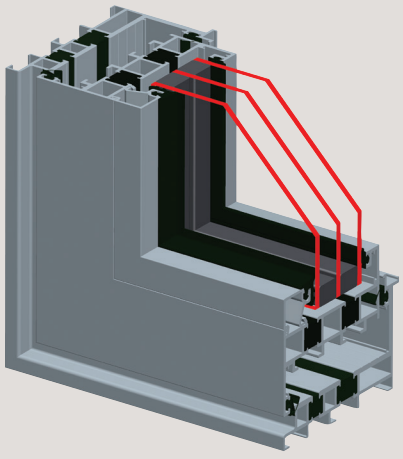
CASEMENT-AWNING-PICTURE COMBO UNIT SERIES T-5105

CASEMENT - AWNING - PICTURE WINDOW

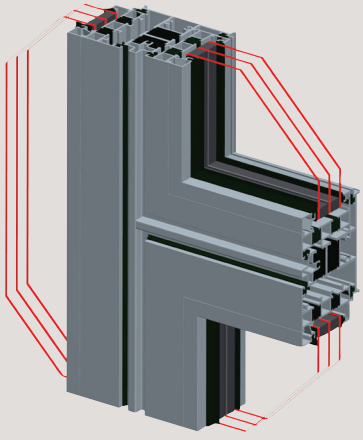


Casement-awning -picture window outside view. Frame type: retrofit

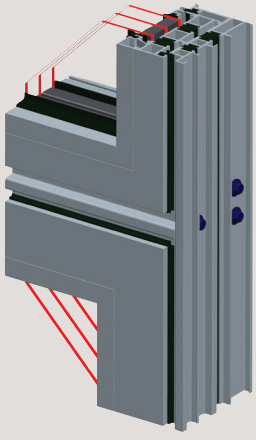
A Casement window left lower corner, block frame, outside view



B Casement, picture window awning left middle joint, outside view



C Picture window, awning right middle joint, outside view, block frame



*Maximum sizes require Tempered glass.
For larger sizes and high-rise installation, contact your Sales Representative for lead time and shipping arrangements

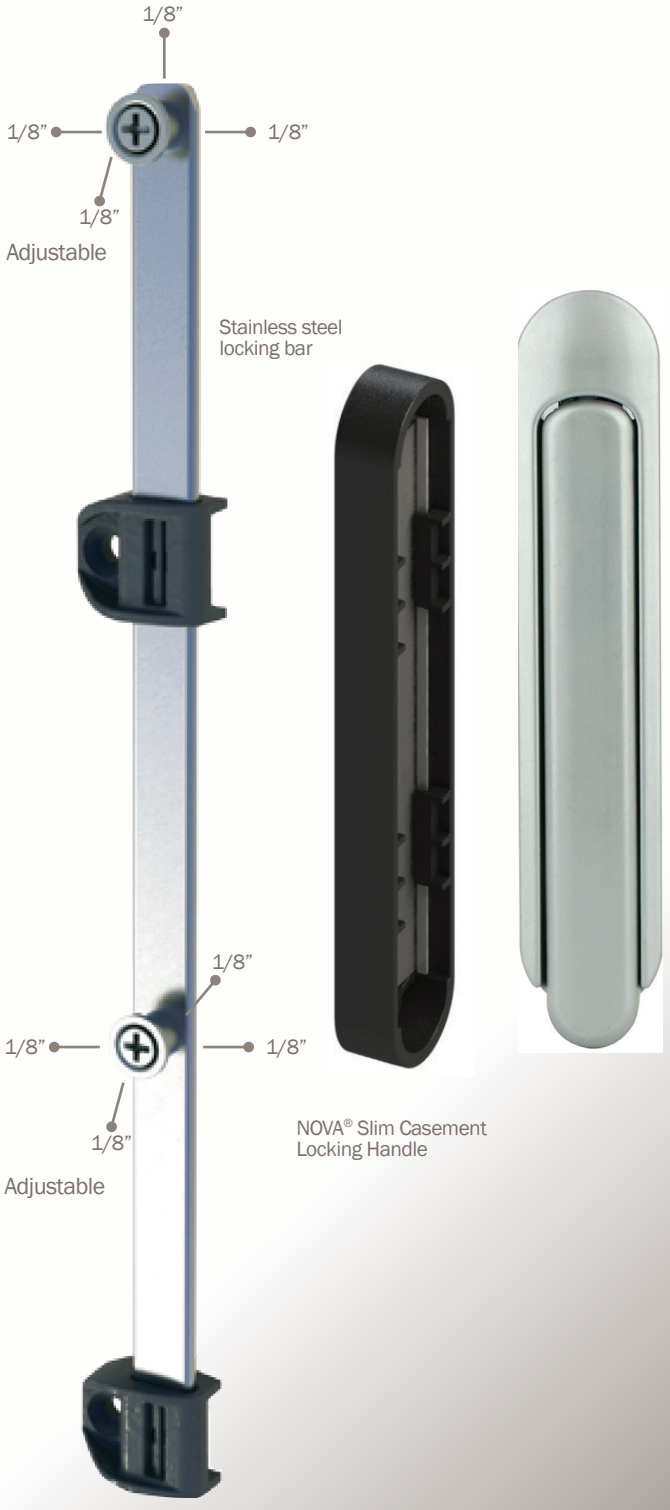
CAREFULLY SELECTED, HIGH-PERFORMANCE HARDWARE AND PARTS

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

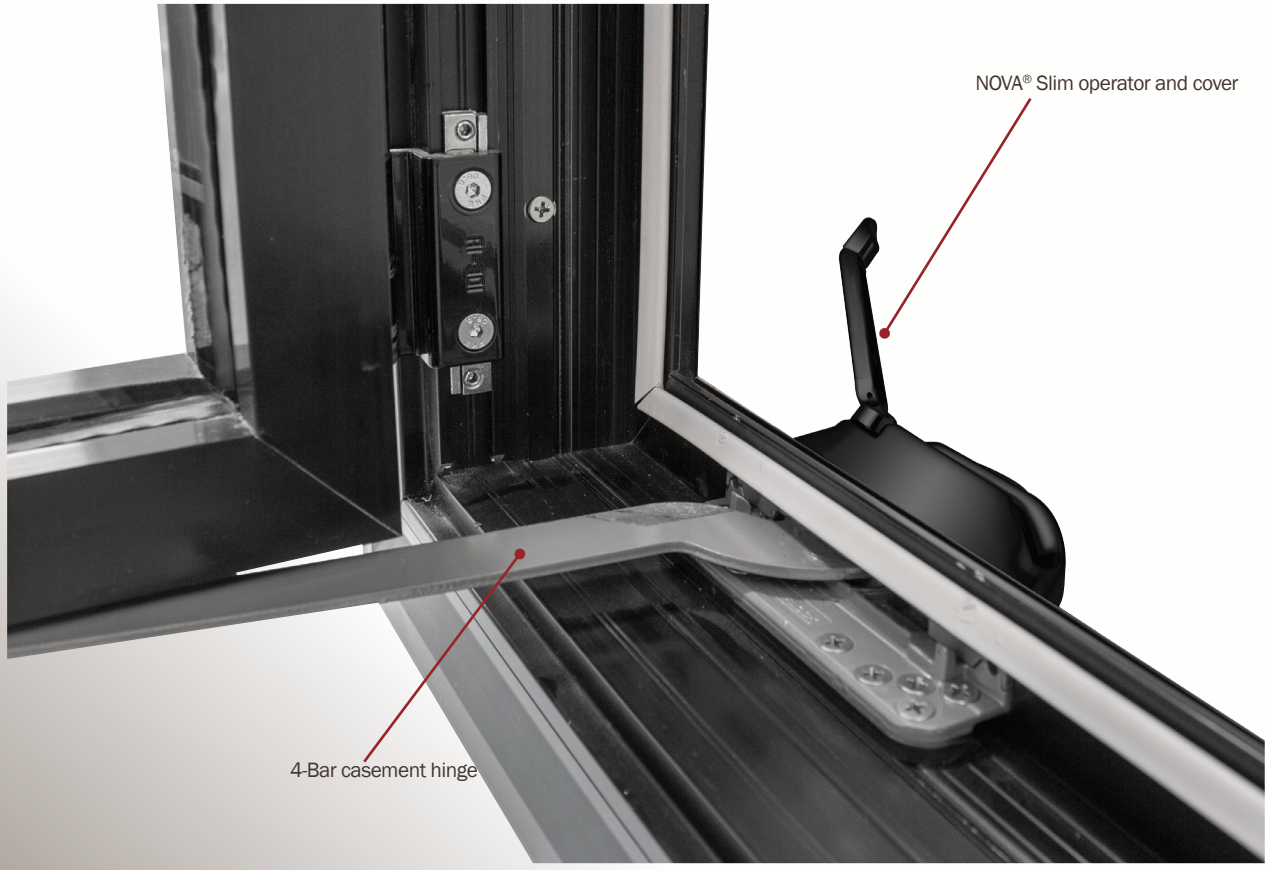
- Optimized gear ratio for smooth operation of large sashes
- Patented two-directional fixing design and pre-fitted foam gasket for maximum air/water performance
- Multiple fixing locations for greater mounting flexibility



Black operator cover matches Bronze Anodized color Casements and Awnings



Silver operator cover matches Clear Anodized color Casements and Awnings



THERMALLY BROKEN ALUMINUM

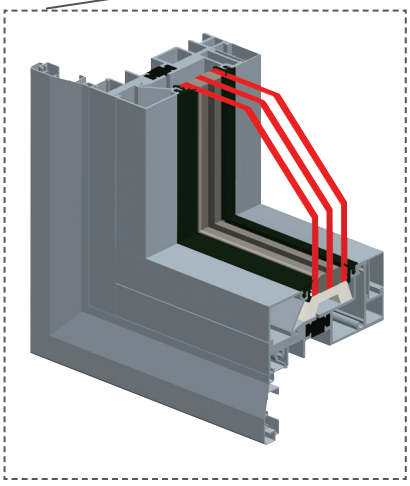
JUMBO PICTURE WINDOWS SERIES T-5106

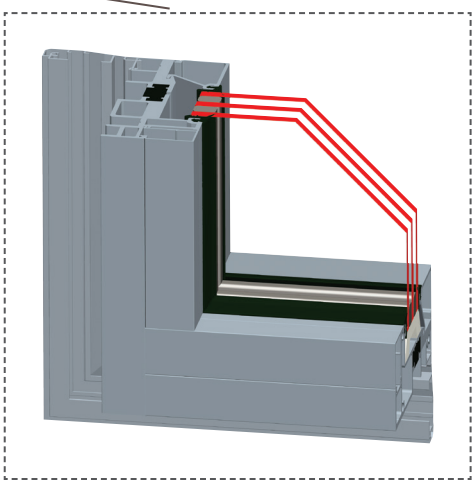


Sizes up to: 146 x 84”

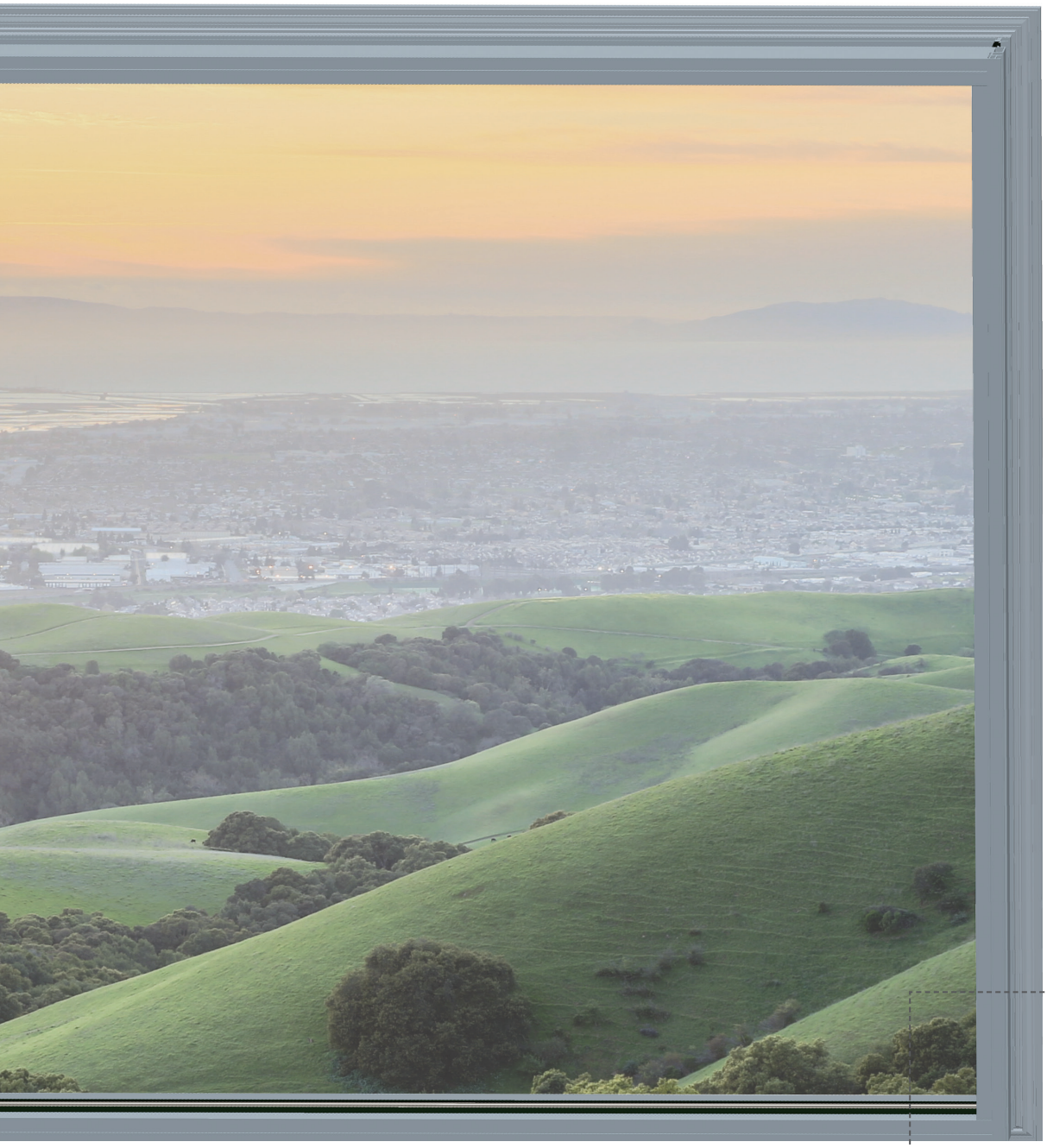
Maximum width 146”*

Mechanically joined corner, outside view





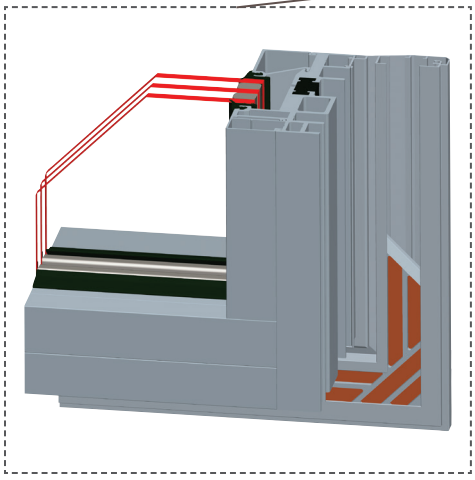
JUMBO PICTURE WINDOWS SERIES T-5106

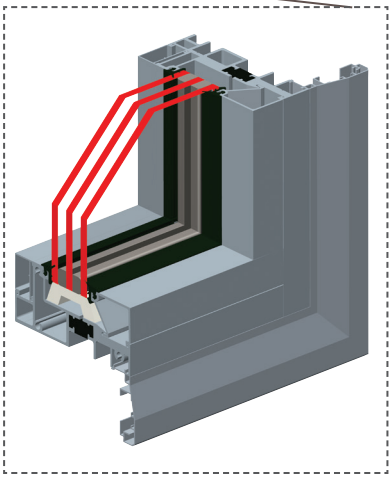


Maximum height 84”*

Mechanically joined corner, outside view

Mechanically joined corner, pre-installation inside view



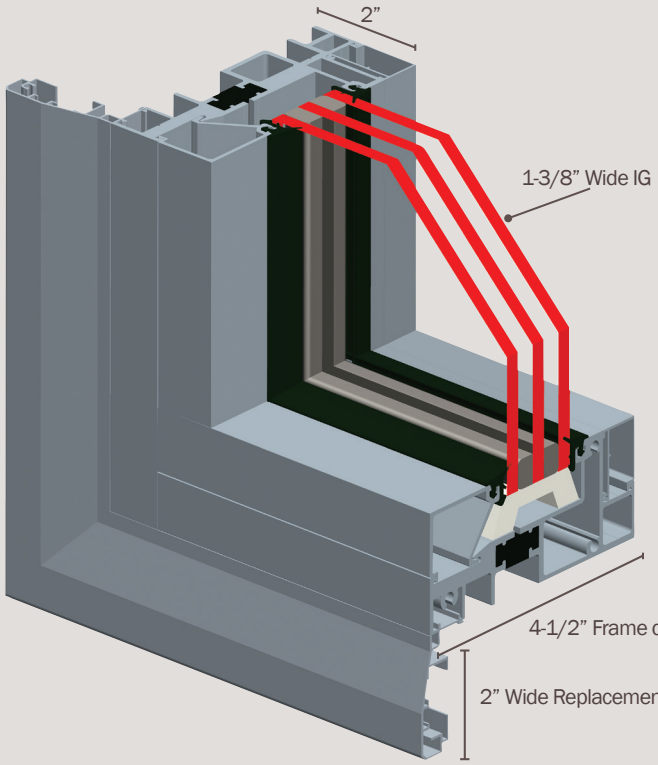


*Maximum sizes require Tempered glass

For larger sizes and high-rise installation, contact your Sales Representative for lead time and shipping arrangements

JUMBO PICTURE WINDOWS SERIES T-5106

JUMBO PICTURE WINDOWS PROFILE CORNERS

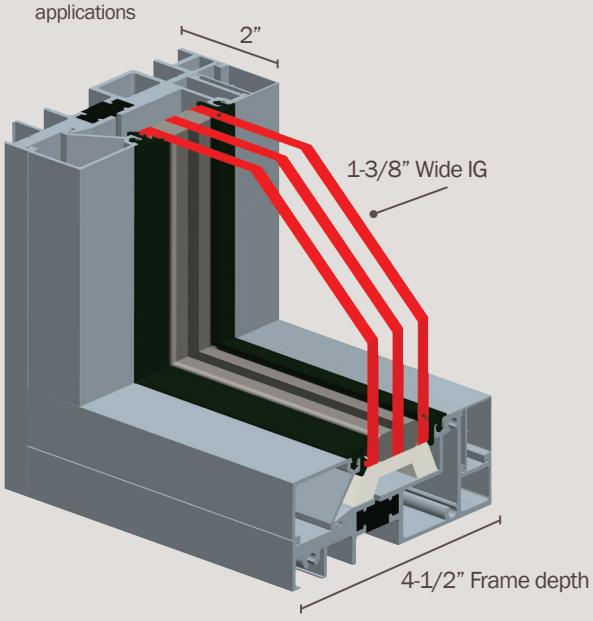


Retrofit

For replacement applications. 2” replacement flange allows for convenient installation with no need to break out stucco.

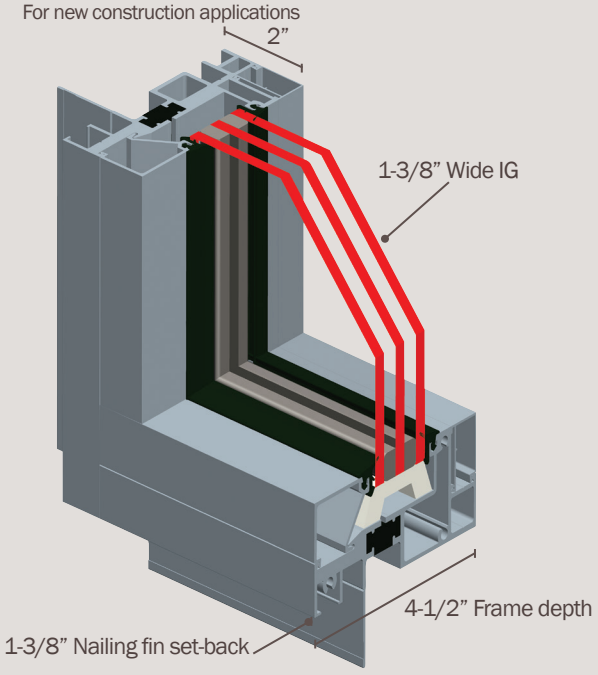
Block

For replacement and some commercial new construction applications



Nail-on

For new construction applications



STANDARD COLORS

Standard extruded vinyl colors are Bronze Anodized and Clear Anodized with matching hardware.



Bronze Anodized



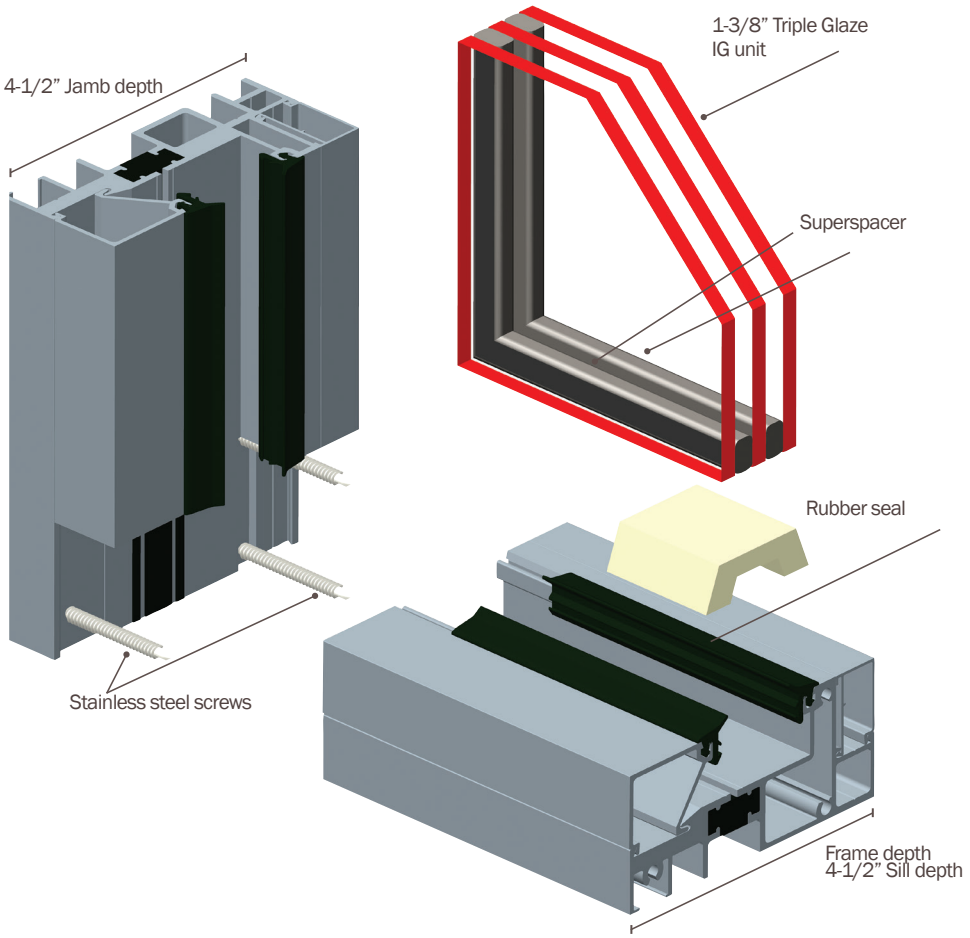
Clear Anodized

*Maximum sizes require Tempered glass

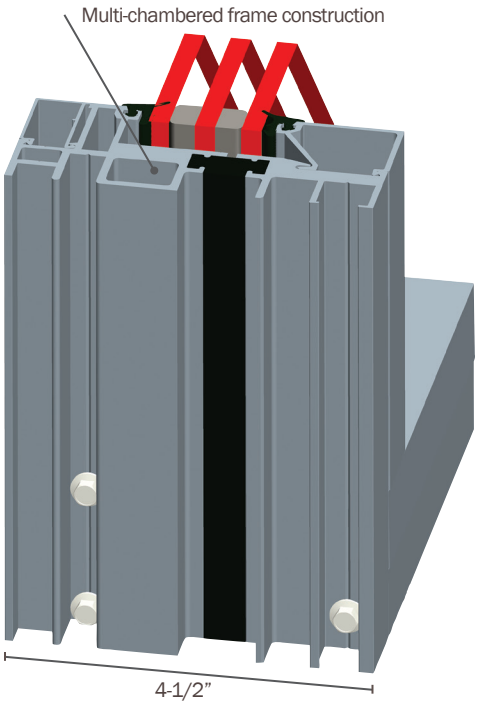
For larger sizes and high-rise installation, contact your Sales Representative for lead time and shipping arrangements

JUMBO PICTURE WINDOWS SERIES T-5106

JUMBO PICTURE WINDOW FRAME CONSTRUCTION DETAIL



Mechanically joined corner featuring stainless steel screws



FEATURES & BENEFITS

Take a moment to learn about the outstanding features and benefits of our Thermally Broken Aluminum Jumbo Picture Windows, which carry a Lifetime Warranty for your peace of mind.

Durability and ease of use

- Heavy duty extruded aluminum for structural strength and durability
- 20 mil anodizing thickness provides long lasting finish and consistent color
- Frame is mechanically fastened for additional support, and structural integrity
- Heavy-duty replacement flange is 2" wide
- 1-3/8" nailing fin setback
- Optional Super spacer with a secondary butyl seal provides a superior seal

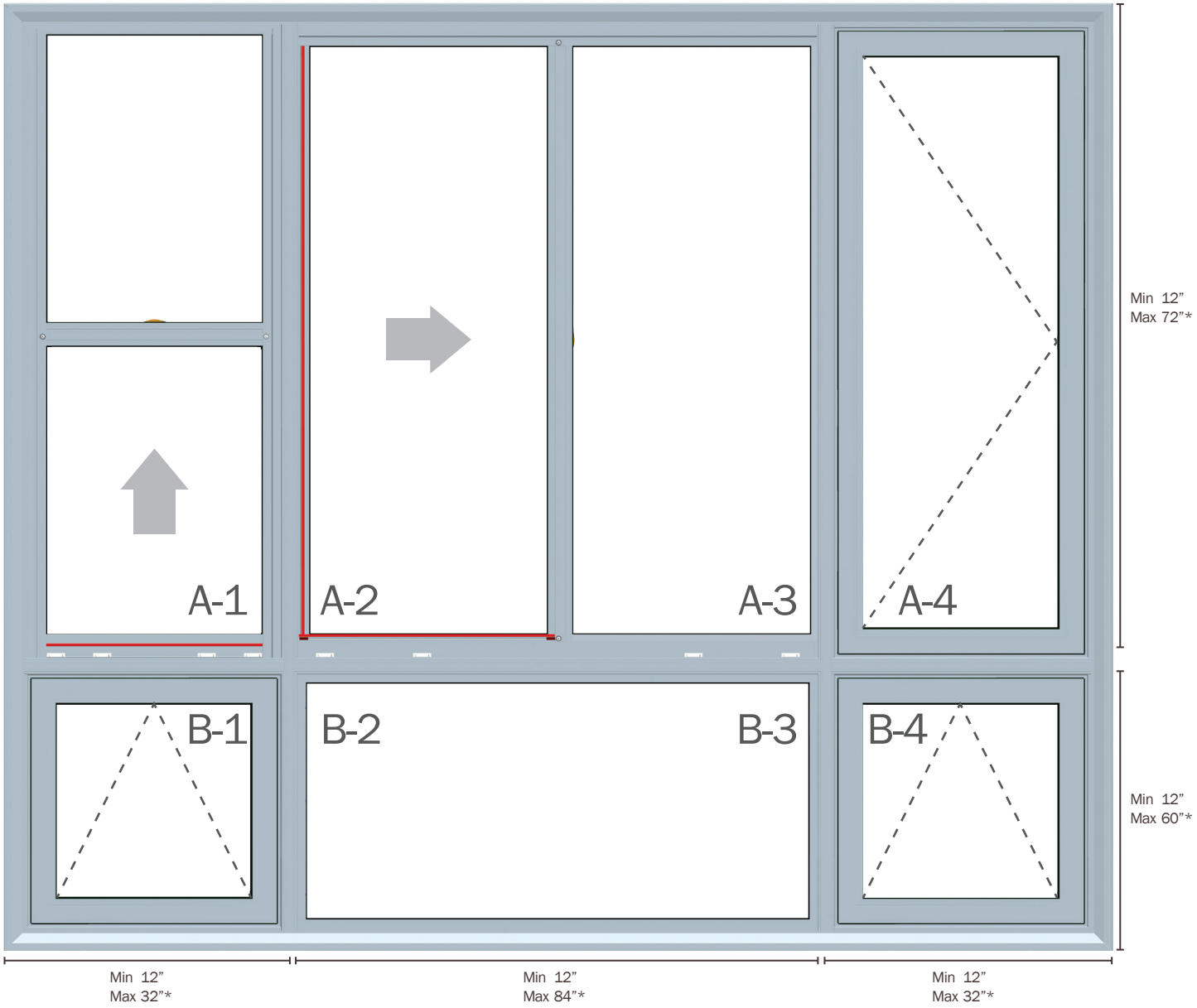
Enhanced energy efficiency

- Beveled, multi-chambered extruded aluminum featuring thermal breaks improves thermal performance and provides an elegant appearance
- 4-1/2" frame depth engineered to host heavier insulated glass units of specialty glass packages
- 1-3/8" insulated glass unit featuring LoE3 glass
- Optional Duralite spacer enhances thermal performance of glass components
- Optional triple pane glass for improved thermal performance
- Argon gas filled glass chambers for increased energy savings

*Maximum sizes require Tempered glass. For larger sizes, high-rise installation and unusual job-site conditions, contact your Sales Representative for lead time and shipping arrangements

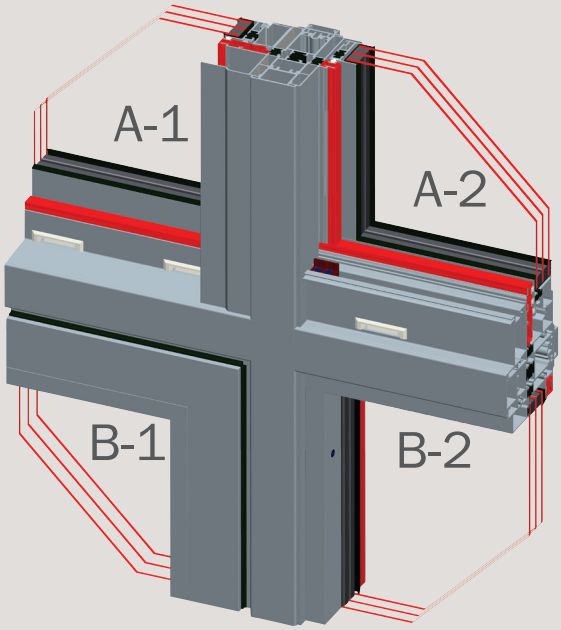
LARGE COMBINATION UNITS

Large combination unit outside view

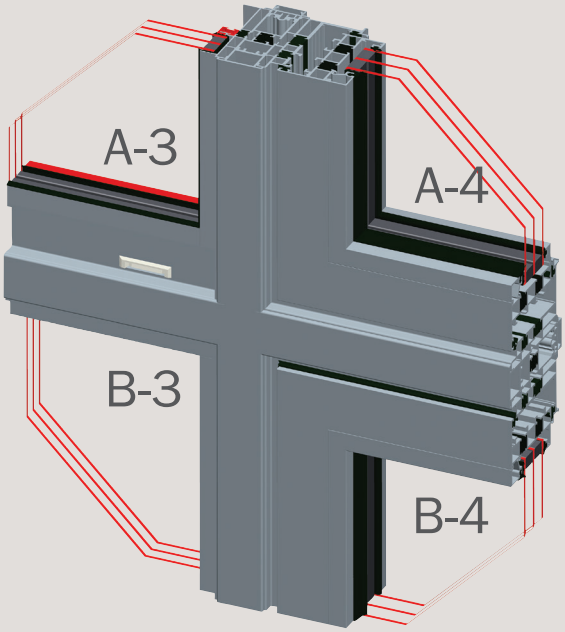


*Maximum sizes require Tempered glass.
For larger sizes and high-rise installation, contact your Sales Representative for lead time and shipping arrangements

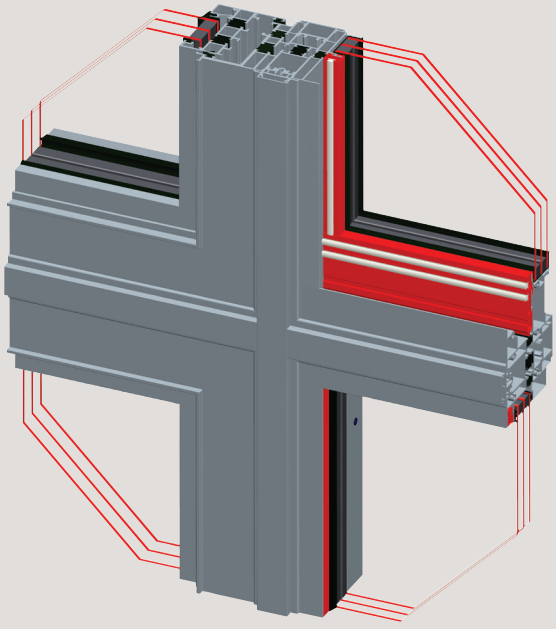
Outside view:
Tilt-in single hung, slider, awning, picture join



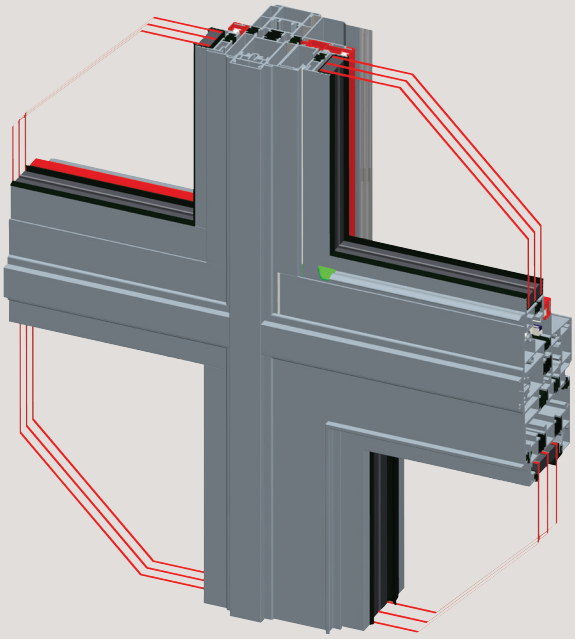
Outside view:
Tilt-in single hung, slider, awning, picture join



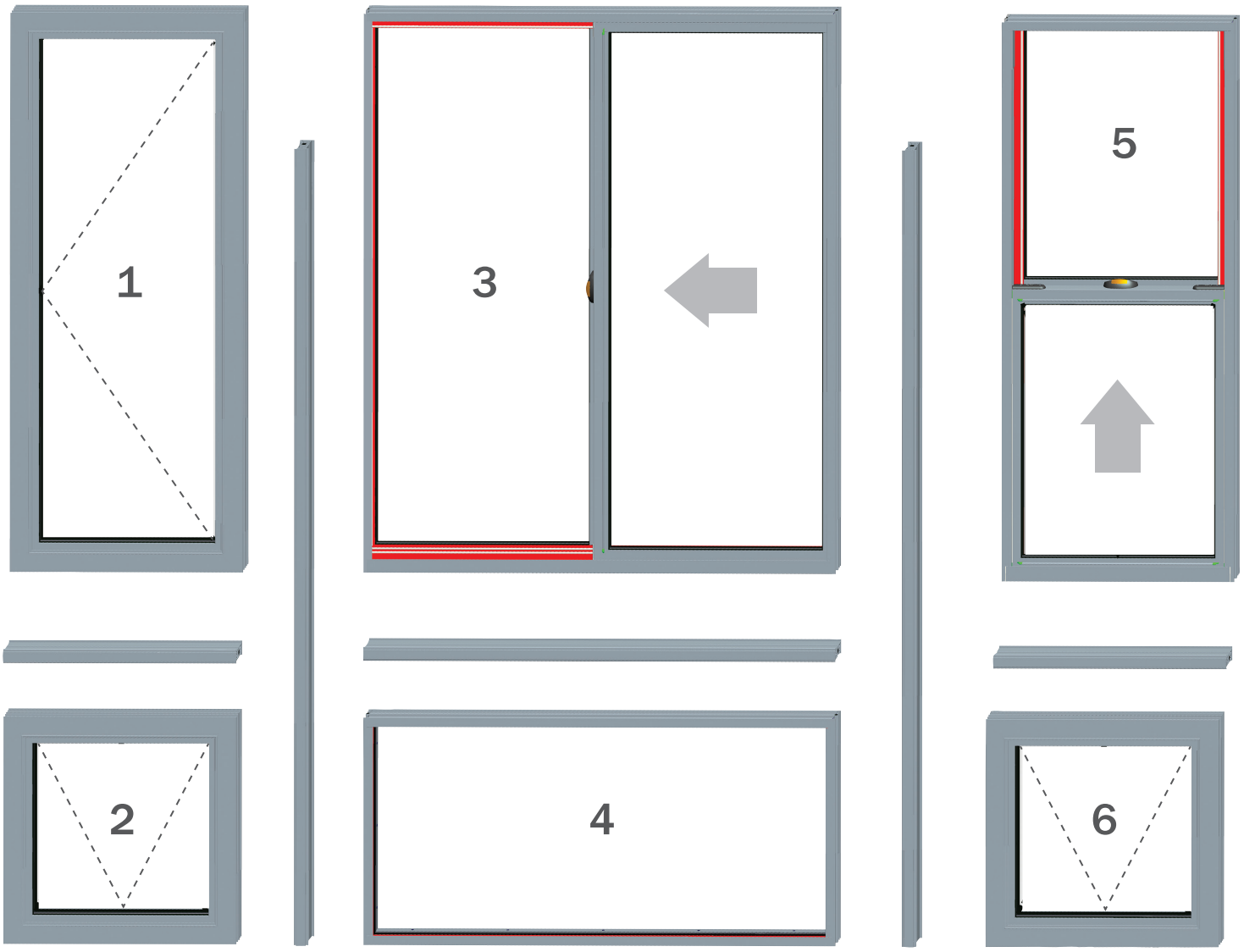
Inside view:
Slider, casement, picture window and awning join



Inside view:
Slider, casement, picture window and awning join



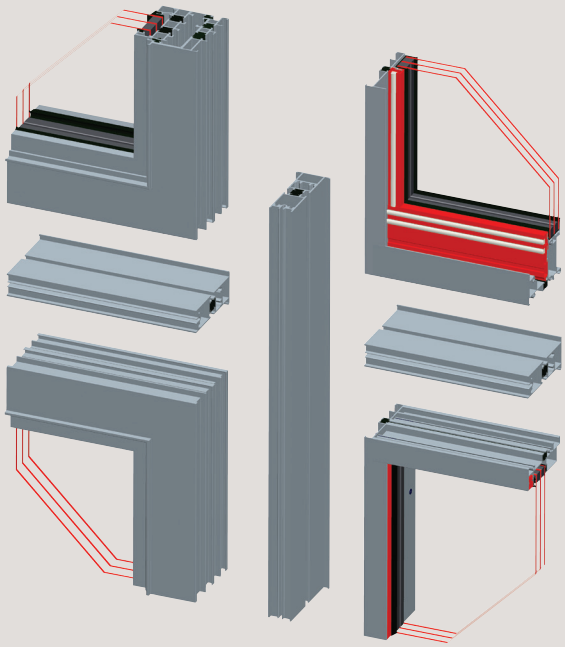
THERMALLY BROKEN ALUMINUM
LARGE COMBINATION UNITS JOB-SITE ASSEMBLY DIAGRAM



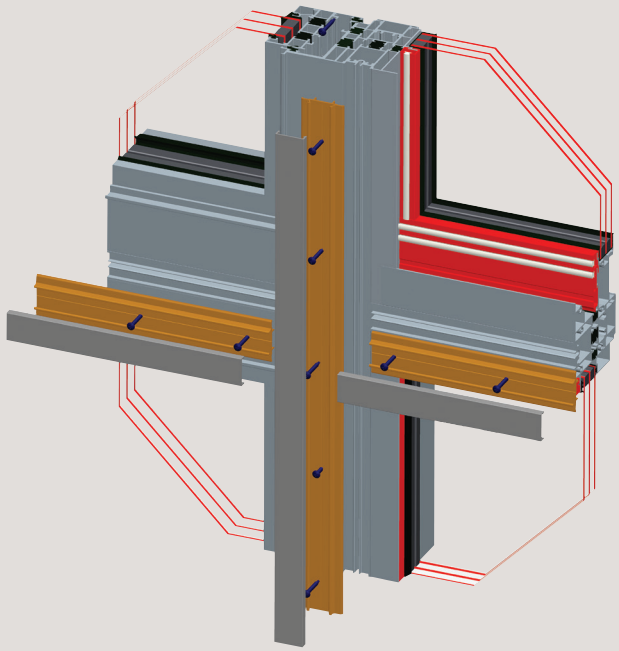
*Maximum sizes require Tempered glass.
For larger sizes and high-rise installation, contact your Sales Representative for lead time and shipping arrangements

Large combination unit job-site assembly diagram

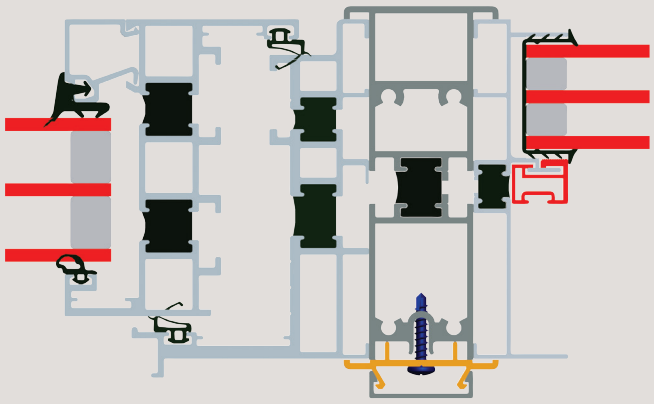
A-1



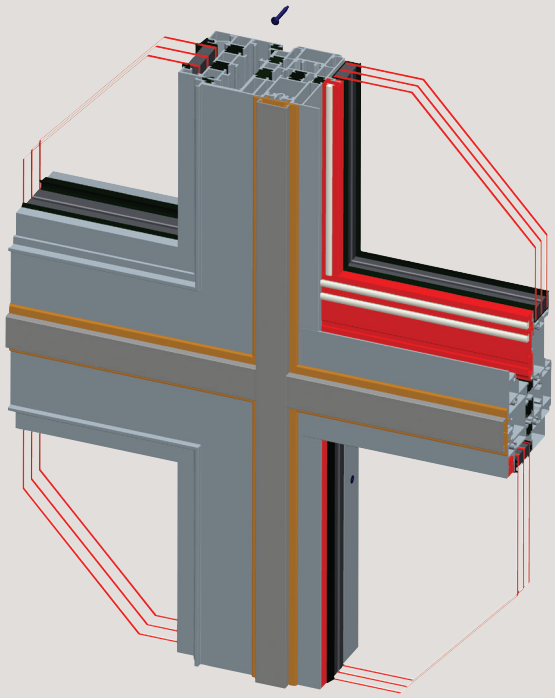
A-2



A-3



A-4





THERMALLY BROKEN ALUMINUM



DOORS SYSTEM T-5120

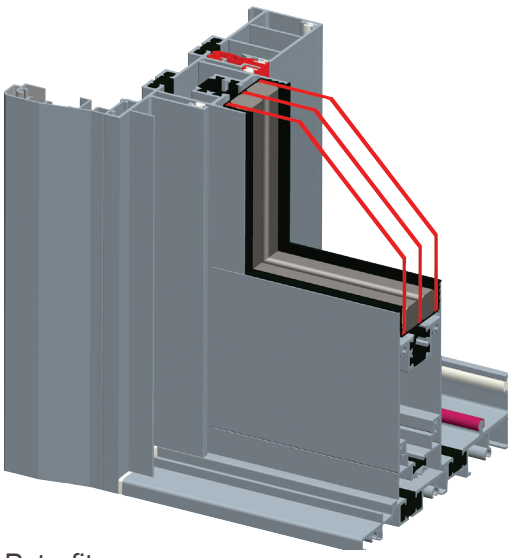
PROUDLY MADE
IN THE USA



THERMALLY BROKEN ALUMINUM
HORIZONTAL SLIDING PATIO DOORS SERIES T-5121

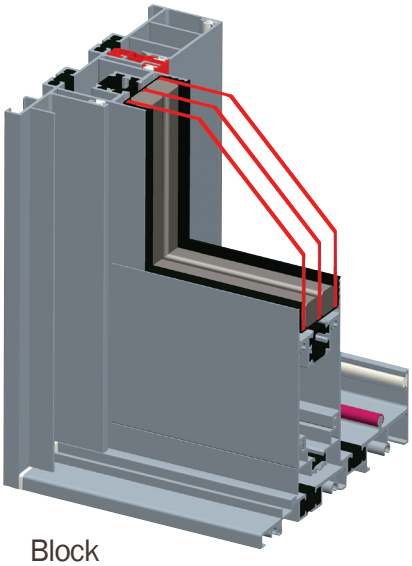


FRAME TYPES FOR REPLACEMENT AND NEW CONSTRUCTION APPLICATIONS



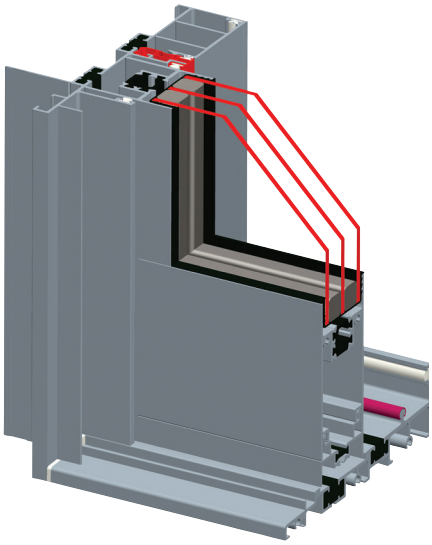
Retrofit

For replacement applications. 2” replacement flange allows for convenient installation with no need to break out stucco.



Block

For some replacement applications.



Nail-on

For new construction applications. This frame type allows targeted installation in a newly created opening. 1-3/8” set back to meet builders needs.



THERMALLY BROKEN ALUMINUM SLIDING PATIO DOORS FEATURES

Take a moment to learn about the outstanding features and benefits of our Thermally Broken Aluminum Sliding Patio Doors, which carry a Ten-Year Warranty for your peace of mind.

STANDARD COLORS*

Standard extruded aluminum colors are Bronze Anodized and Clear Anodized with matching hardware.

Bronze Anodized

Clear Anodized

*Color swatches are intended as a representation only and may vary due to printing limitations.

Durability and ease of use

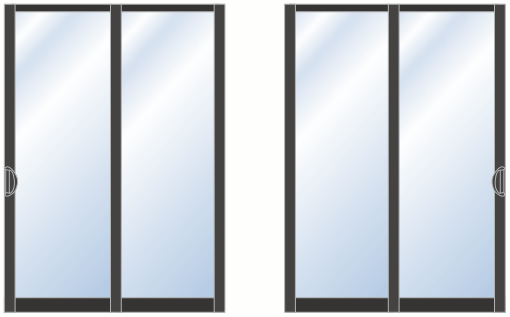
- Heavy duty 0.1" thick, extruded aluminum for structural strength and durability
- 20 mil anodizing thickness provides long lasting finish and consistent color
- Frame and panels are mechanically fastened for additional support, and structural integrity
- Reinforcement in larger size doors ensures structural stability
- Heavy-duty replacement flange is 2" wide
- 1-3/8" nailing fin setback
- Rail and stiles are 3" wide and match the door color
- Jamb width is 5-1/4"
- Optional Super spacer with a secondary butyl seal provides a secure IG seal
- Four wheel bearing rollers in stainless steel casing are standard. The bearings provide for an exceptionally smooth slide, and their exceptional engineering allows these rollers to hold and slide the heavier door panels
- Aluminum guide for the rollers for smooth and quiet operation
- Ergonomically designed handle matching the aluminum color combines pleasing aesthetics and effortless operation
- Slim back-set locking system manufactured in high corrosive resistance materials provide outstanding forced entry resistance
- Screen: Includes standard screen

Enhanced energy efficiency

- Beveled, multi-chambered extruded aluminum featuring thermal breaks improves thermal performance while providing a slim and elegant appearance
- 5-1/4" frame depth engineered to host heavier insulated glass units of specialty glass packages
- 1-7/16" panel extrusion depth
- Optional Duralite spacer enhances thermal performance of glass components
- Full double weather stripping helps prevent elements infiltration
- 1-1/4" dual pane insulated glass unit featuring LoE3 glass is standard
- Optional triple pane glass for exceptional thermal performance
- Argon gas filled glass chambers for increased energy savings are standard for all glass packages for increased energy savings

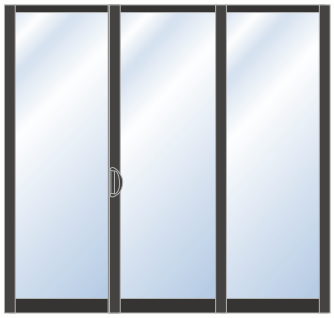
SLIDING PATIO DOORS AVAILABLE CONFIGURATIONS

2 PANEL DOORS

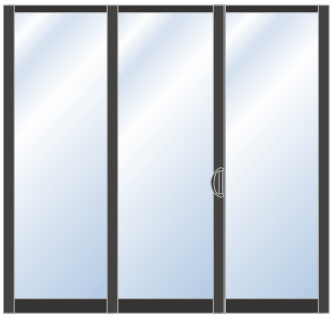


AL-PD XO or OX
Maximum size: 120 x 108”

3 PANEL DOORS



AL-PD OXO-L



AL-PD OXO-R

AL-PD-OXO-L, OXL-R, XOO, OOX
Maximum size: 180 x 108”



AL-PD XOO

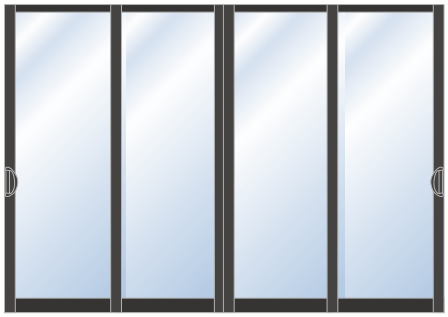


AL-PD OOX

4 PANEL DOORS



AL-PD OXXO



AL-PD XOOX

AL-PD- OXXO or XOOX
Maximum size: 240 x 108”

SERIES T-5121 SLIDING PATIO DOORS OUTSIDE FEATURES & PERFORMANCE



Sliding Patio Door features at a glance, outside view

01 *Mechanically joined frame and panels*

02 *Ergonomically designed handle*

03 *Firmly secured interlock*

04 *Heavy duty extruded thermally broken aluminum in frame and panel members*

05 *3" wide rail and stiles*

Double weather-stripping

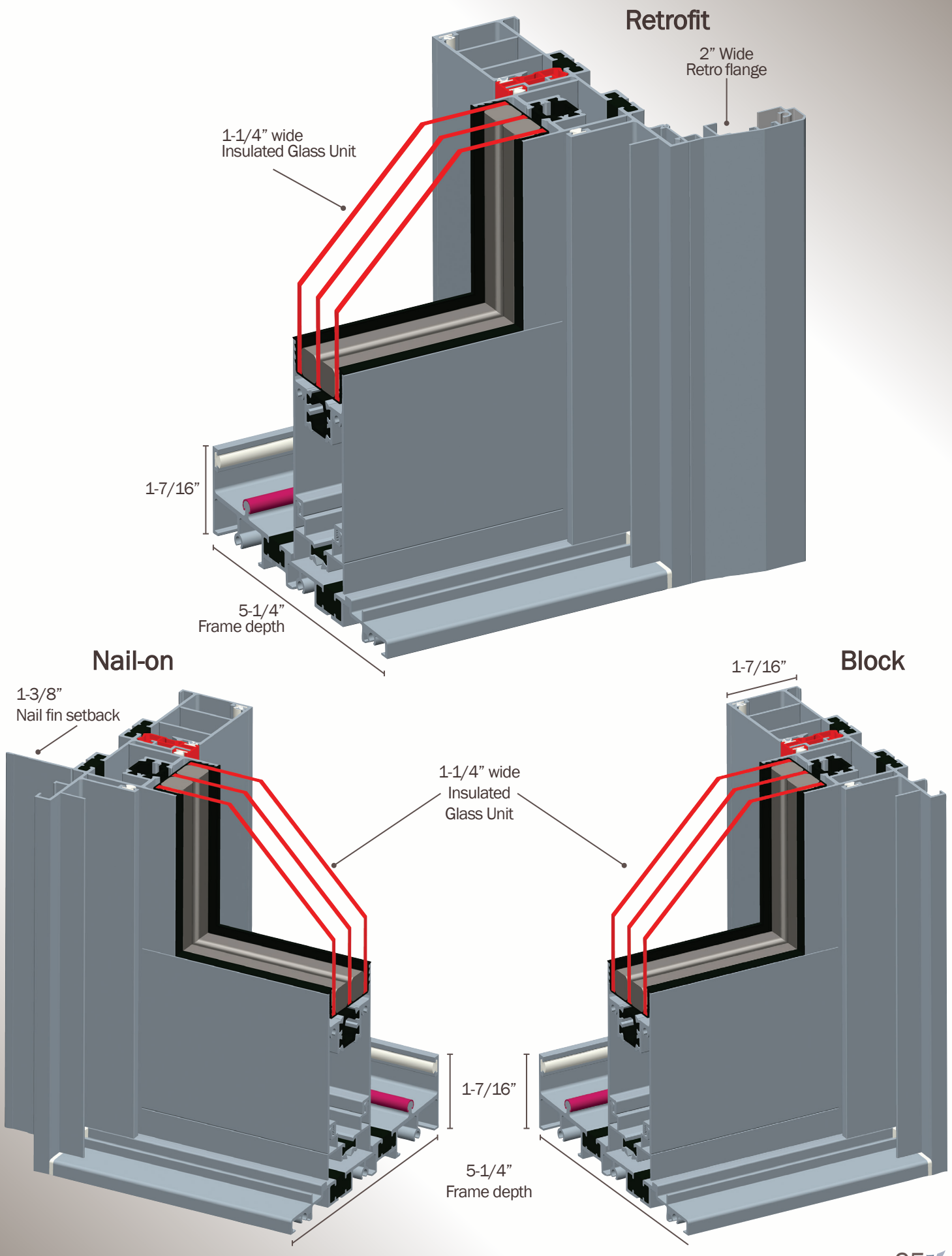
**Meets Title 24 Criteria for the State of California when ordered with Triple Glaze option featuring LoE3 high-performance glass*

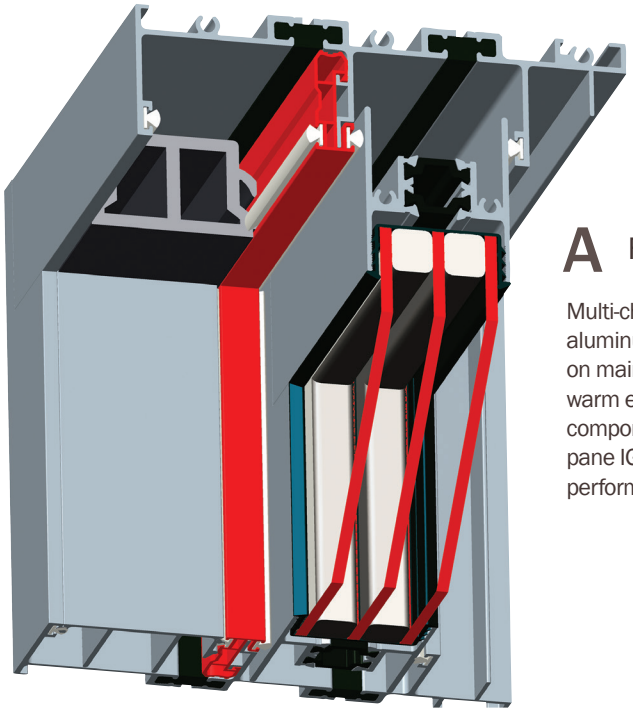
Sliding Patio Door XO-OX Thermal Performance

Glazing				Grids	U Factor	SHGC	VT	CR Condensation Resistance
Triple	3 mm LoE3	3 mm Clear	3 mm LoE3	None	0.28	.20	.37	CR 38
				<1"		.18	.32	
				>1"		.16	.29	
Dual- Lami	3 mm LoE3	6.35 mm Clear Lami		None	0.37	.22	.51	CR 38
				<1"		.20	.44	
				>1"		.18	.39	

As tested with LoE3 glass and Argon gas filled combined with clear or laminated glass.
*Meets Title 24 Criteria for the State of California

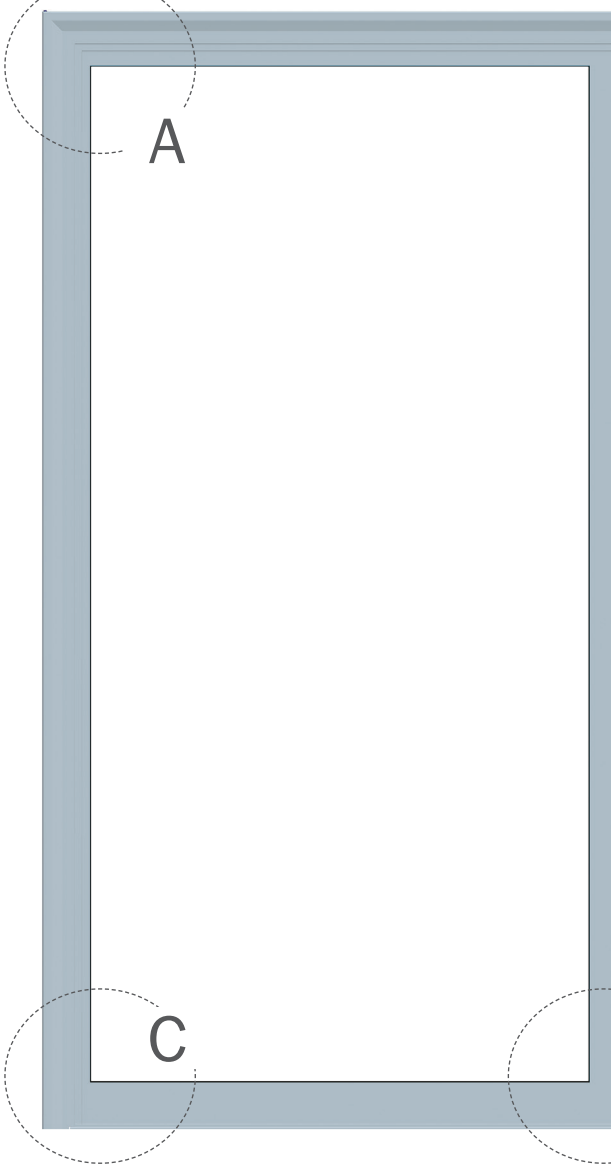
FRAME TYPES FOR ALL APPLICATIONS





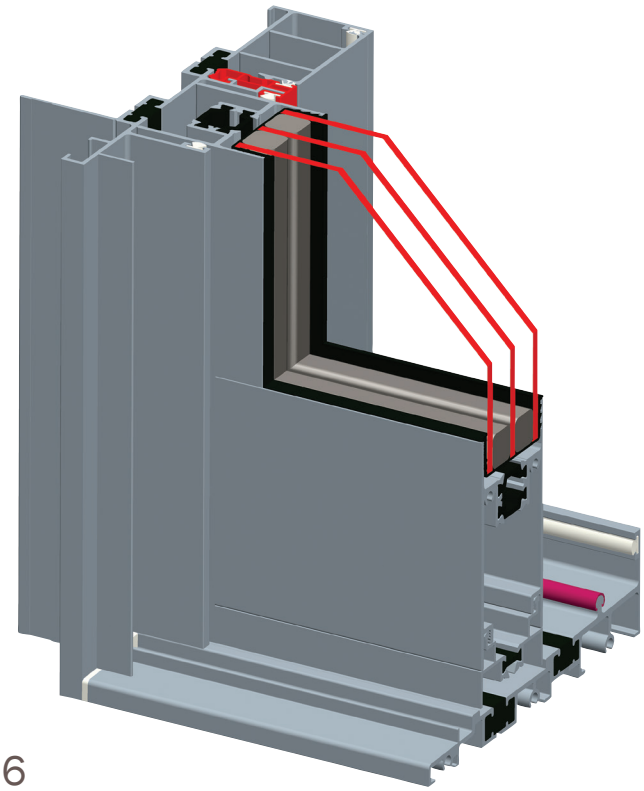
A Fixed panel top view

Multi-chambered extruded aluminum featuring thermal breaks on mainframe and panel members; warm edge spacers with no metal components assemble the triple pane IG unit for enhanced thermal performance.



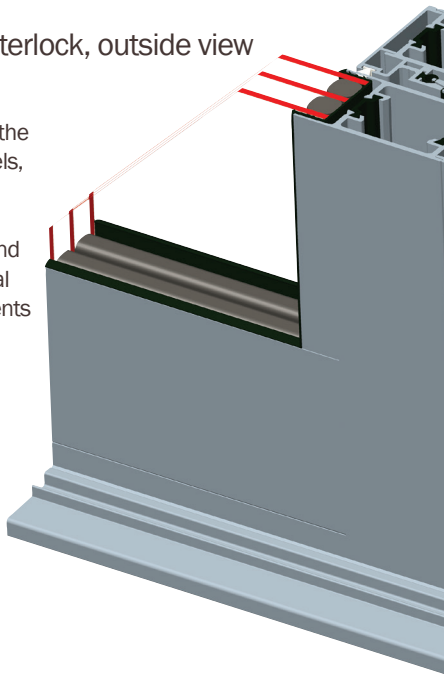
C Fixed panel inside view

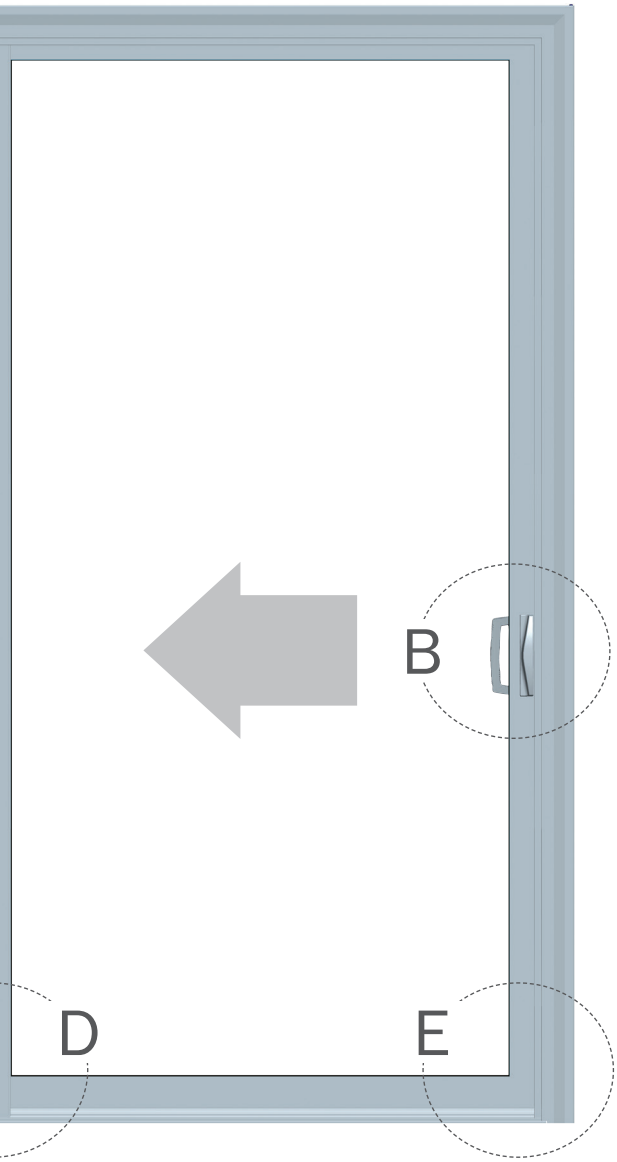
Four thermal breaks in the main-frame and one in each panel member act as a barrier against thermal transmittance.

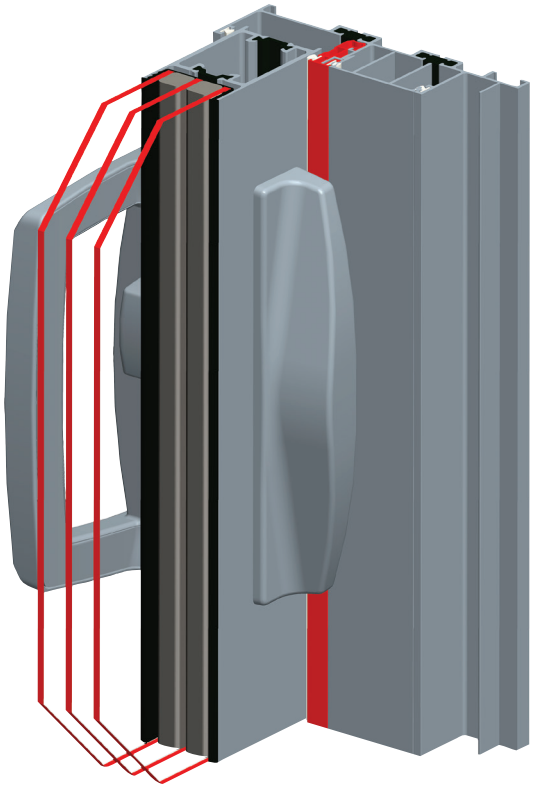


D Interlock, outside view

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





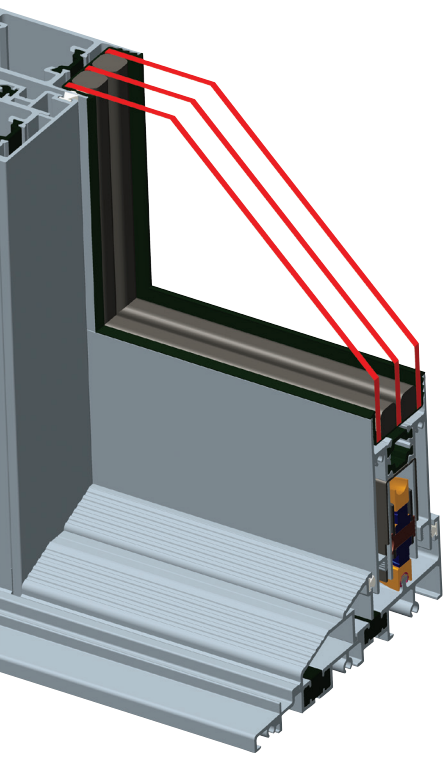


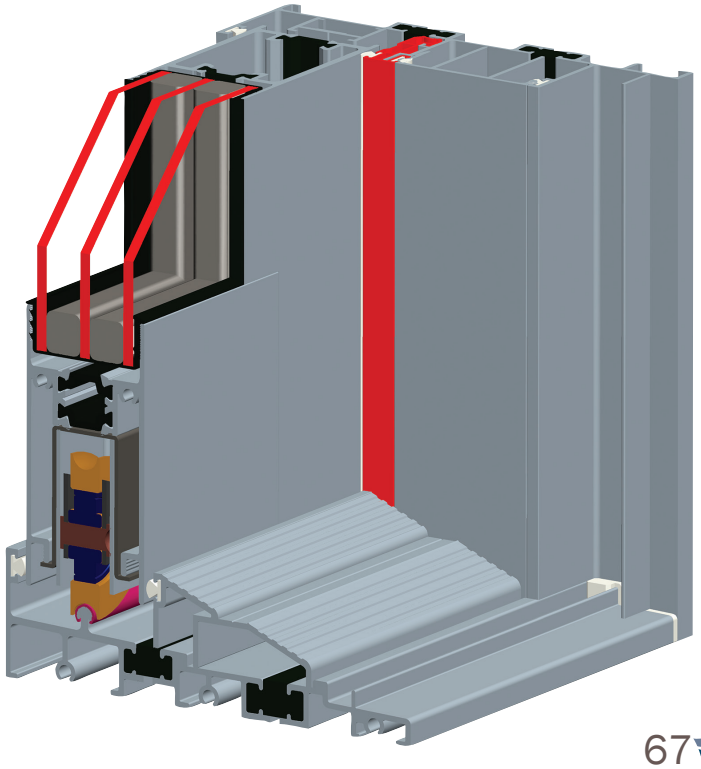
B XO Handle outside view

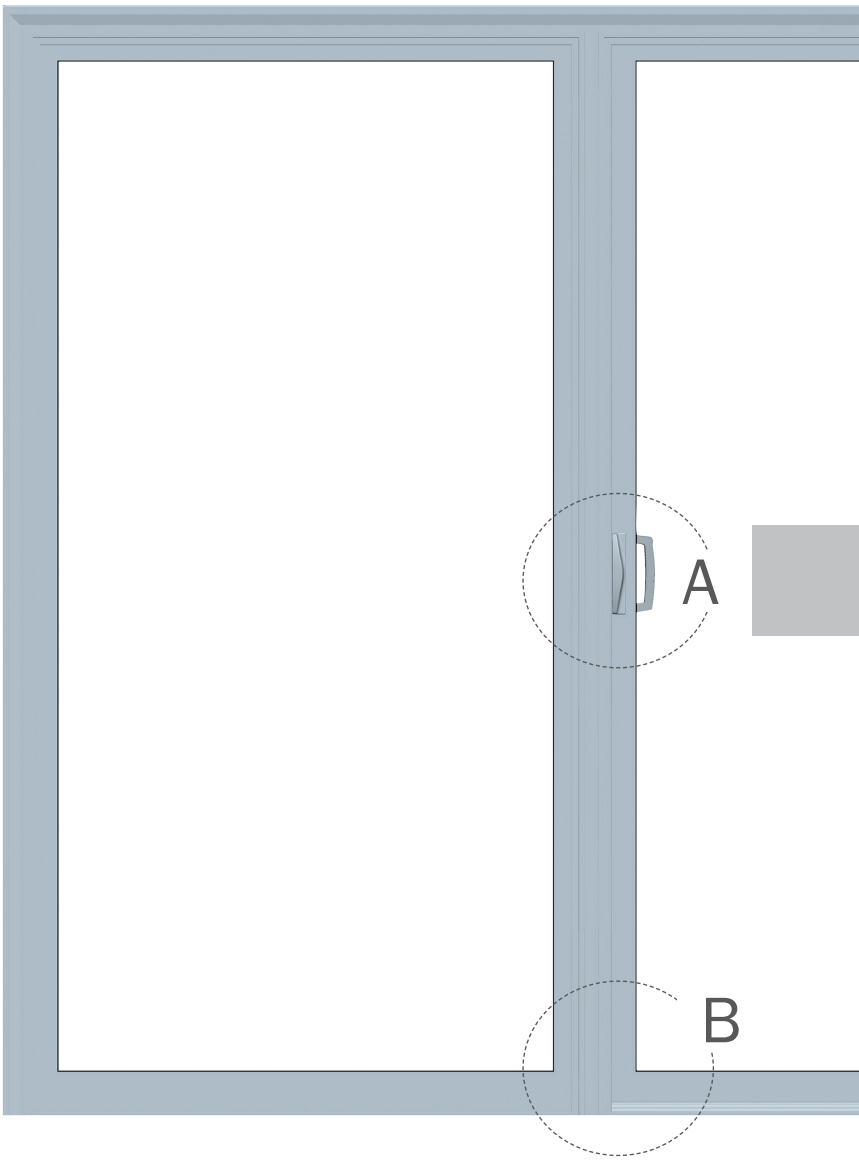
Ergonomically designed low profile handle, allow effortless sliding action of the operating panel and complete the multi-point locking system

E XO Operating panel, outside view

The sloped sill allows easy release of water to the outside

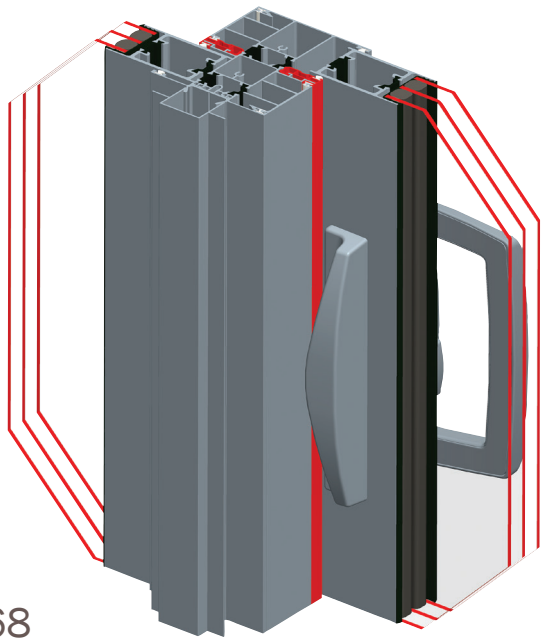






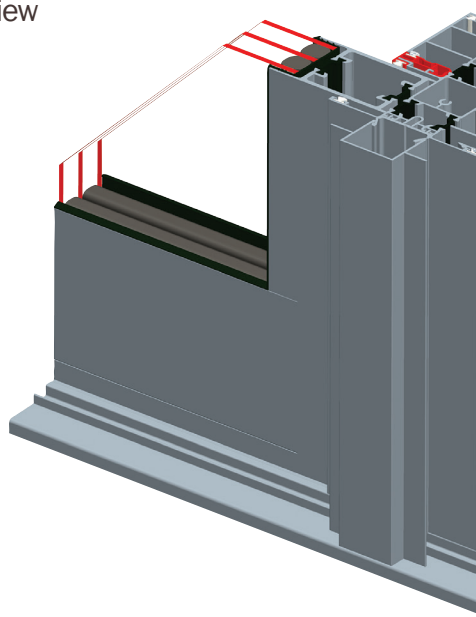
A OXO Handle

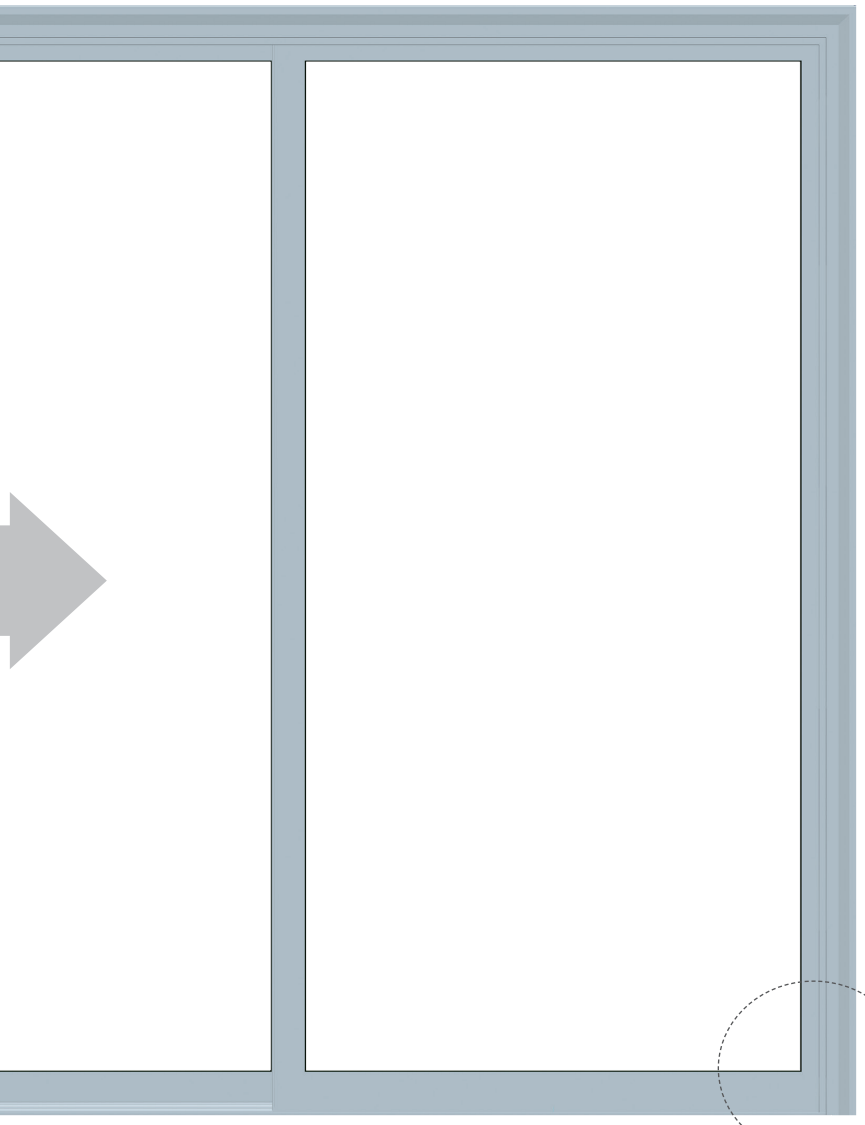
Ergonomically designed low profile handle, allow effortless sliding action of the operating panel and complete the multi-point locking system



B OXO Interlock, outside view

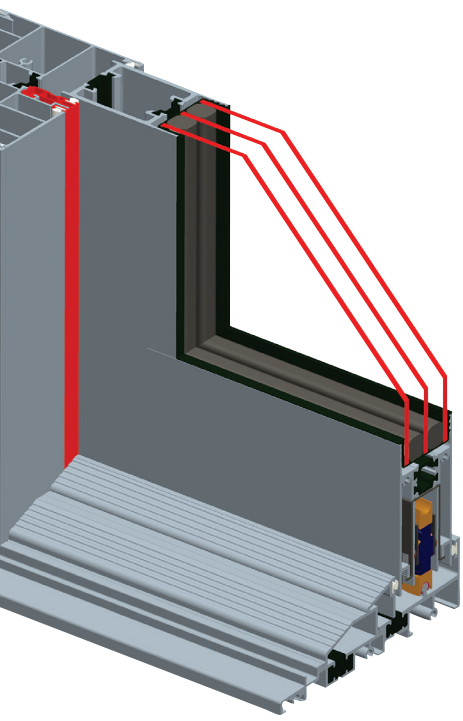
Interlock connects the door panels, provides structural stability and a tight seal that prevents elements infiltration

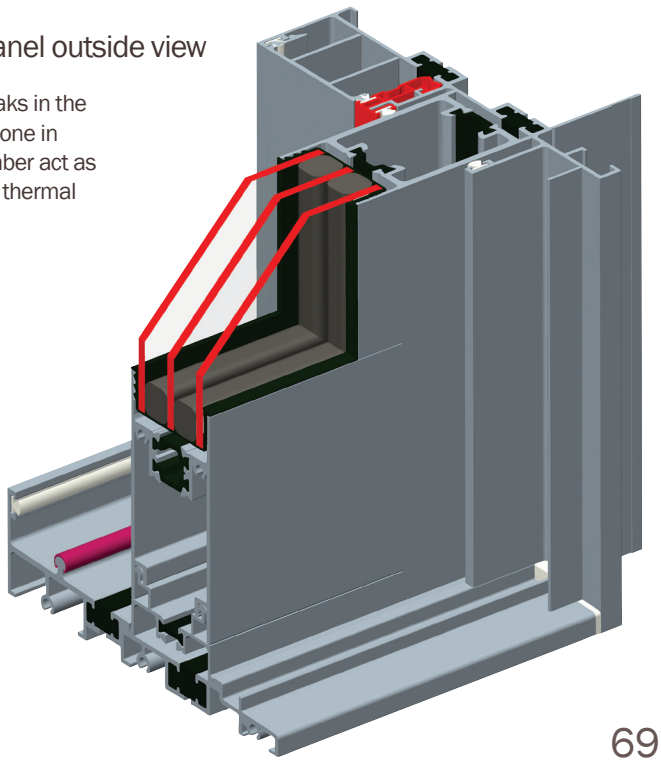




C OXO Fixed panel outside view

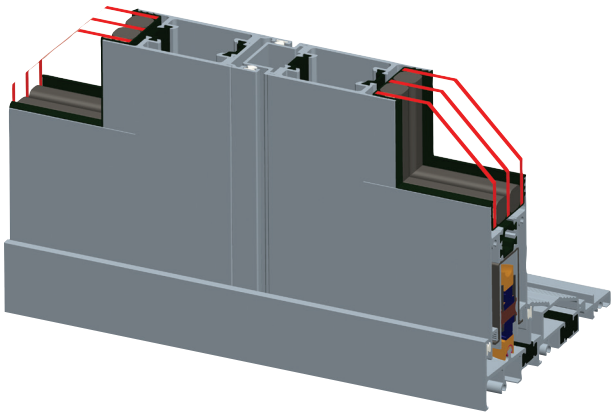
Two thermal breaks in the main-frame and one in each panel member act as a barrier against thermal transmittance.

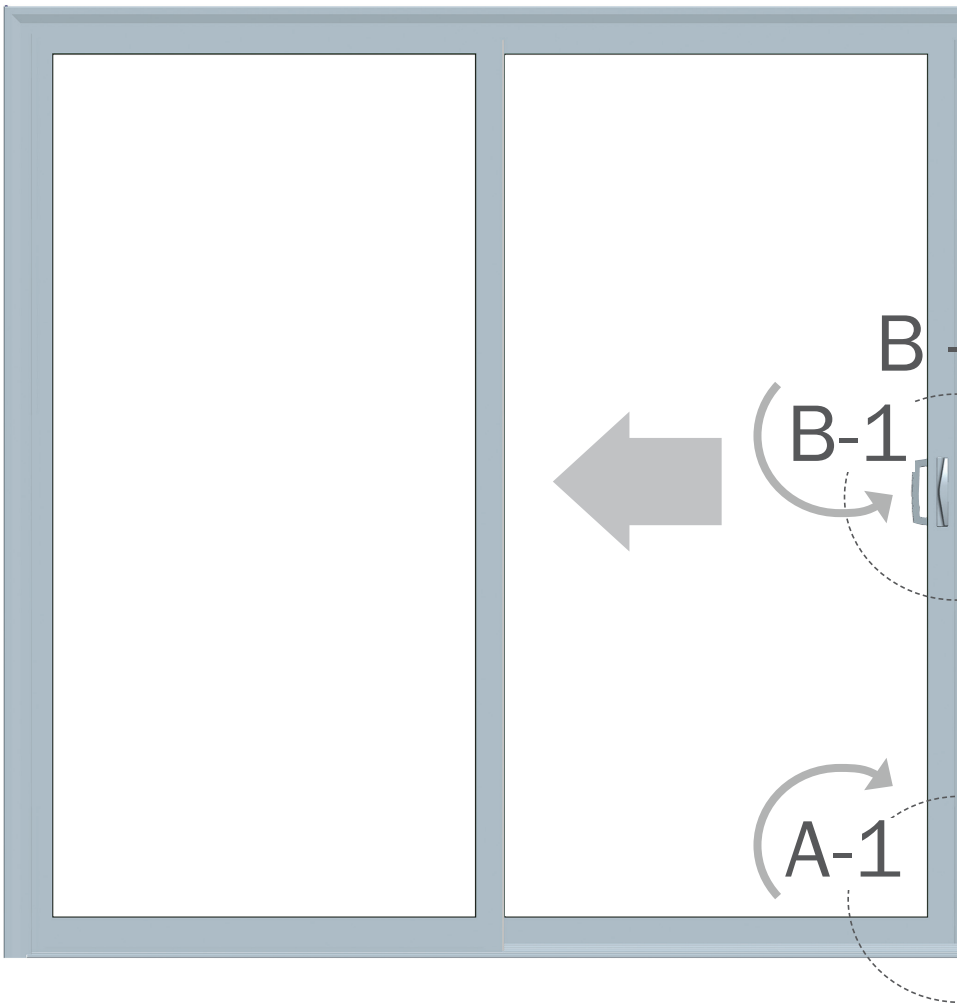




A-1 OXXO Sill, inside view

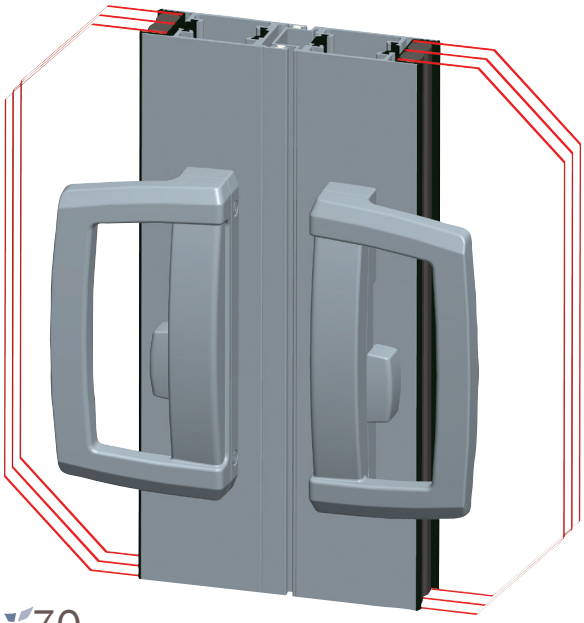
Extruded aluminum sill featuring thermal breaks and integral rail provides a stable bed for the fixed and moving panels





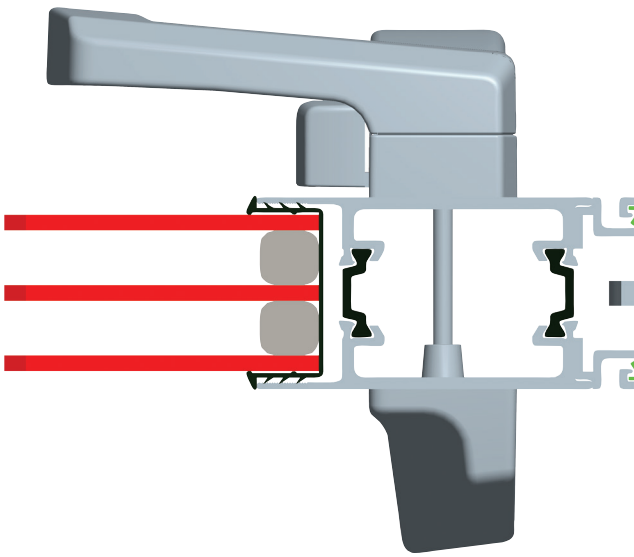
B-1 OXXO Handle and lock, inside view

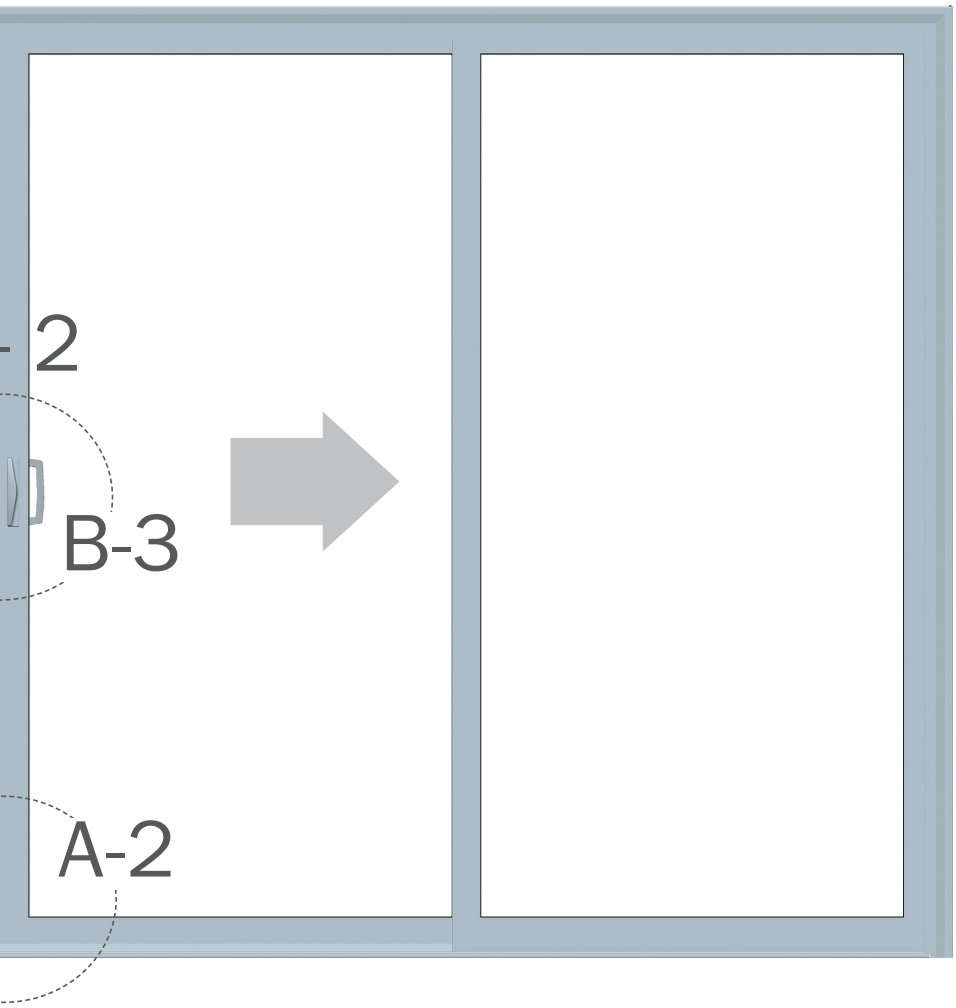
Ergonomically designed low profile handles, allows effortless sliding action of the operating panels and complete the multi-point locking system that moves.



B-2 OXXO Handle and locking mechanism top view

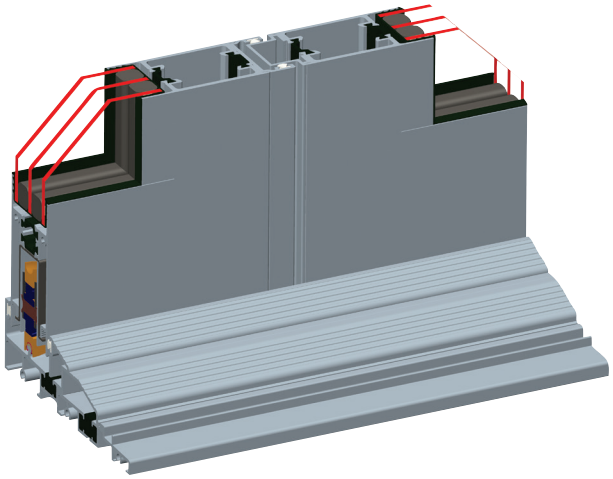
Precise lock and handle positioning allows both operating panels to connect effortlessly minimizing air infiltration





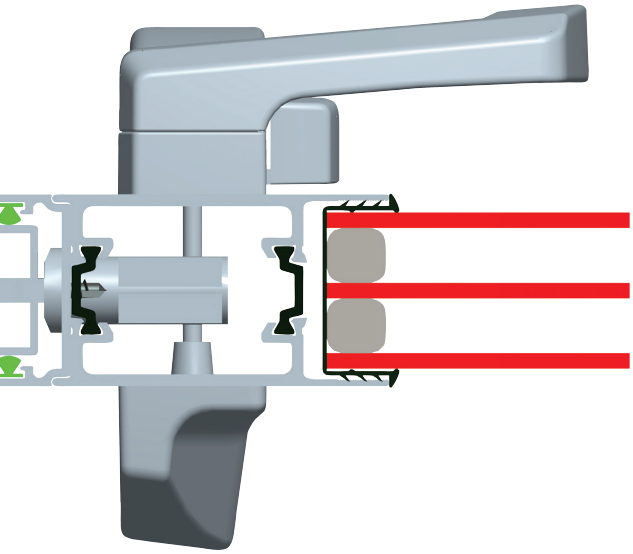
A-2 OXXO Sill, outside view

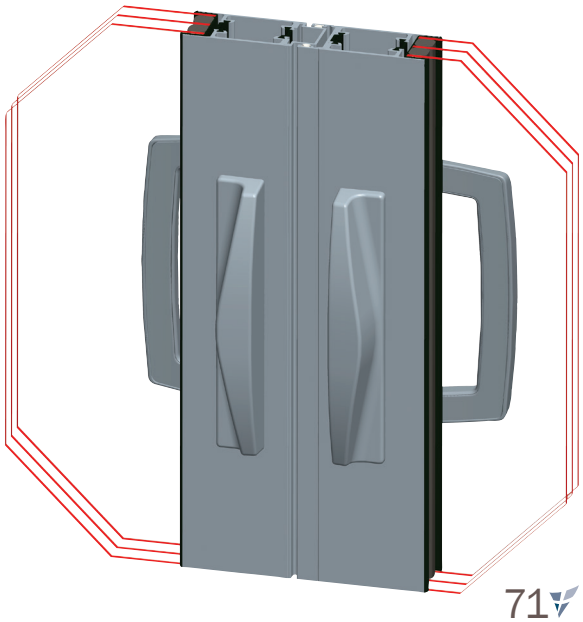
The sloped sill allows easy release of water to the outside



B-3 OXXO Handle, outside view

Aesthetically designed low profile outside handles, allow smooth sliding action of the operating panels





SLIDING PATIO DOOR HANDLE & LOCKING SYSTEM

Sliding Patio Door Handle

Combining a modern furniture with a concealed mortise style back-set, our sliding patio door handle is both easy to operate and requires single action to lock or unlock. These handles match the color of the door for a seamless look and outstanding seal action.

Handle Features

- Aesthetic styling and appearance
- One locking action activates two locking points
- Anti-slam button prevents operation of the handle when the door is open, avoiding damage to the mechanism
- Opposing twin beaks prevent door being lifted from the track
- Optional keyed version is available
- Snib action always up to lock on left handed or right handed doors



Inside sliding patio door handle



Outside sliding patio door handle





Slim patio door handle

Mortise Locking system





THERMALLY BROKEN ALUMINUM MULTI-SLIDING & POCKET DOORS FEATURES

Take a moment to learn about the outstanding features and benefits of our Thermally Broken Aluminum Multi-Sliding and Pocket Doors which carry a Ten-Year Warranty for your peace of mind.

STANDARD COLORS*

Standard extruded aluminum colors are Bronze Anodized and Clear Anodized with matching hardware.

Bronze Anodized

Clear Anodized

OPTIONAL FINISHES*

Optional colors are Almond and White

Almond

White

*Color swatches are intended as a representation only and may vary due to printing limitations.

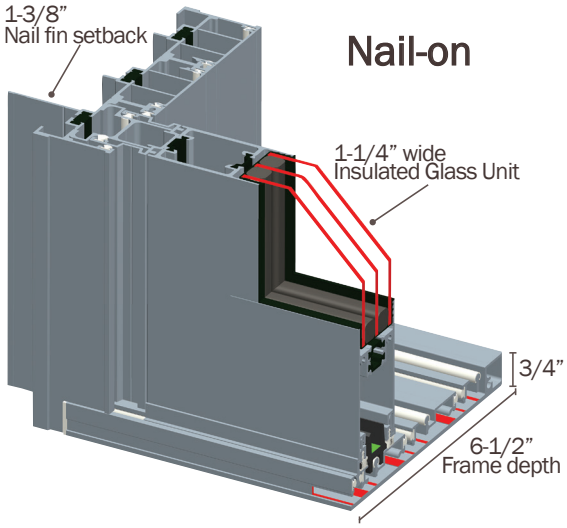
Durability and ease of use

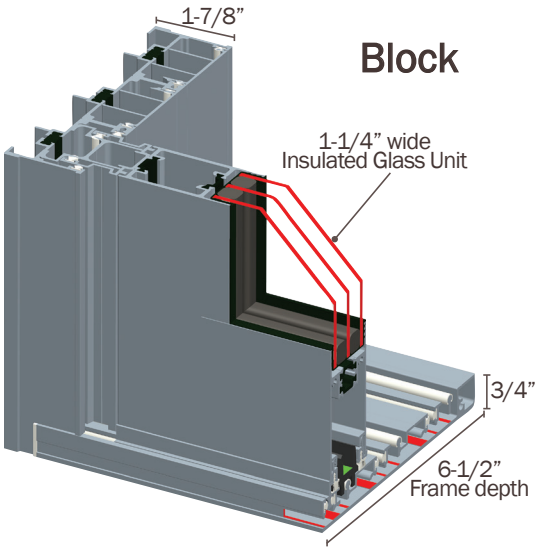
- Heavy duty 0.1" thick, extruded aluminum for structural strength and durability
- 20 mil anodizing thickness provides long lasting finish and consistent color
- Frame and panels are mechanically fastened for additional support, and structural integrity
- Heavy-duty replacement flange is 2" wide
- 1-3/8" nailing fin setback
- Reinforcement in larger size doors ensures structural stability
- Optional Super spacer with a secondary butyl seal provides a secure IG seal
- Four wheel bearing rollers in stainless steel casing are standard. The bearings provide for an exceptionally smooth slide, and their exceptional engineering allows these rollers to hold and slide the heavier door panels
- Top rail profile is 1-7/8" wide and bottom rail profile is 3-1/2" wide
- Stiles are 3" wide
- Jamb width is 6-1/2"
- Aluminum guide for the rollers for smooth and quiet operation
- Flush modern style operator allows door panels to stack on open position
- Dual point locking system in non corrosive stainless steel features individually adjustable locking points allow precise adjustments and increased security
- Screen: Optional screens are available as an extra feature
- Maximum of 3 panels available in each direction
- 90° post corner available

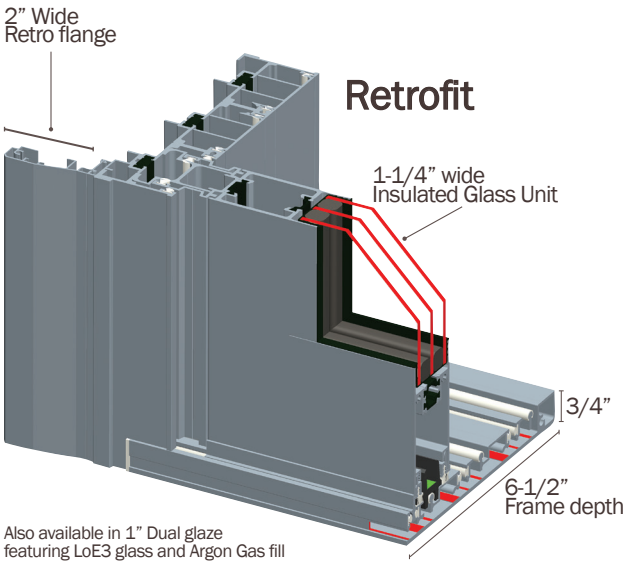
Enhanced energy efficiency

- Beveled, multi-chambered extruded aluminum featuring thermal breaks improves thermal performance while providing a slim and elegant appearance
- 6-1/2" frame depth engineered to host heavier insulated glass units of specialty glass packages
- 2-5/8" panel depth
- 3/16" thick glass panes
- Optional Duralite spacer enhances thermal performance of glass components
- Full double weather stripping helps prevent elements infiltration
- 1-1/4" dual pane insulated glass unit featuring LoE3 glass is standard
- Optional triple pane glass for exceptional thermal performance
- Argon gas filled glass chambers for increased energy savings are standard for all glass packages for increased energy savings

FRAME TYPES FOR ALL APPLICATIONS





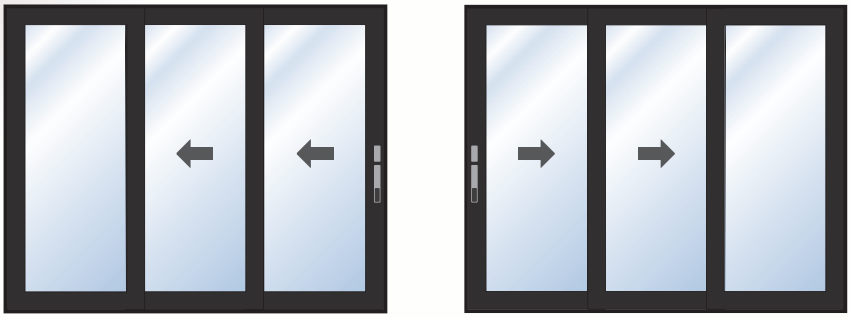


Also available in 1" Dual glaze
featuring LoE3 glass and Argon Gas fill



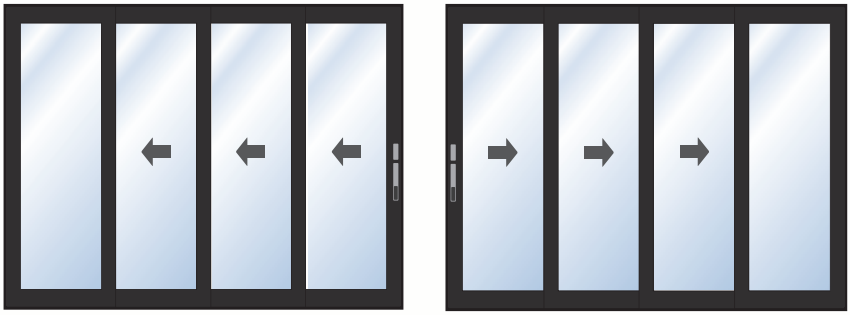
MULTI-SLIDING PATIO DOORS AVAILABLE CONFIGURATIONS

3 PANEL DOORS



OXX or XXO
Maximum size: 180 x 108”

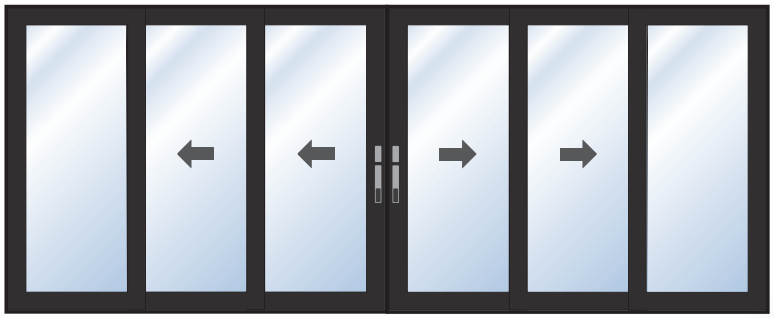
4 PANEL DOORS



OXXX **XXXO**

OXXX - XXXO
Maximum size: 240 x 108”

6 PANEL DOORS



OXXXXO
Maximum size: 360 x 108”*

8 PANEL DOORS



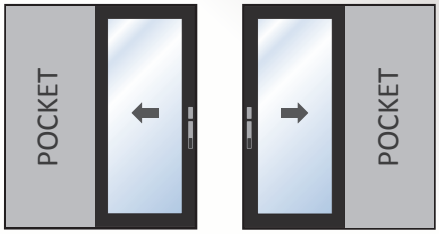
OXXXXXXO
Maximum size: 480 x 108”*

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

MULTI-SLIDING POCKET PATIO DOORS AVAILABLE CONFIGURATIONS

1 PANEL DOORS

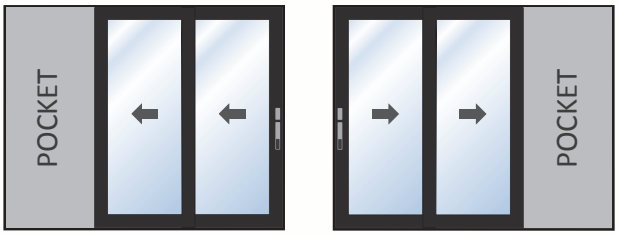
AL-MTP- XL - XR
Maximum size: 60 x 108”



XL XR

2 PANEL DOORS

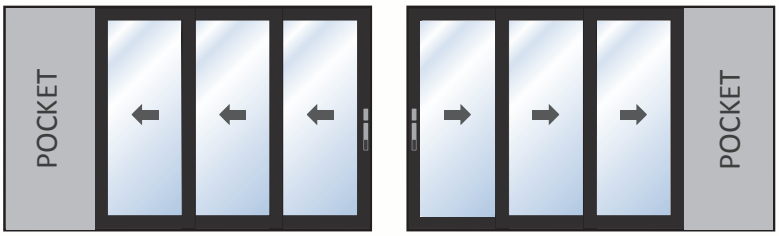
XXL - XXR
Maximum size: 120 x 108”



XXL XXR

3 PANEL DOORS

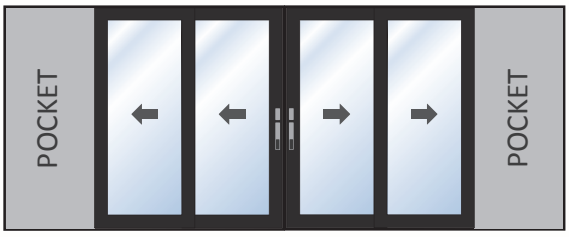
XXXL - XXXR
Maximum size: 180 x 108”



XXXL XXXR

4 PANEL DOORS

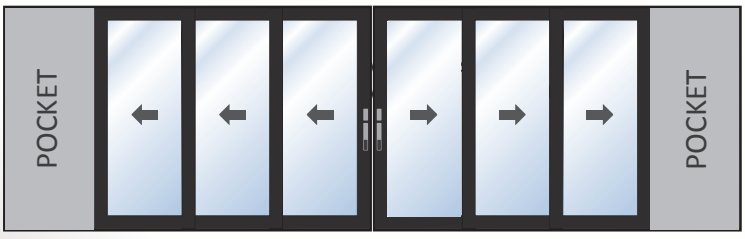
XX-XX
Maximum size: 240 x 108”



XX-XX

6 PANEL DOORS

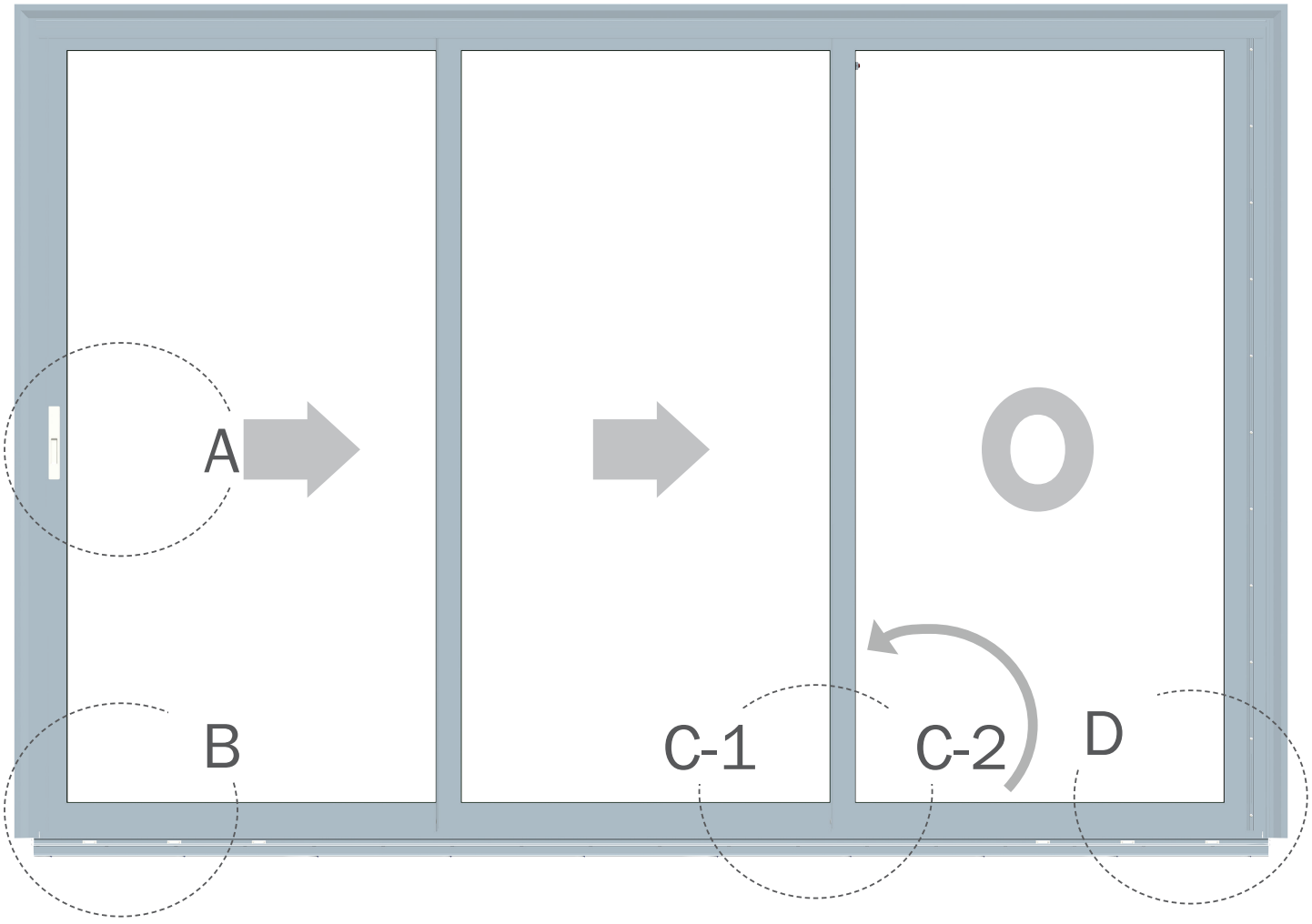
XXX-XXX
Maximum size: 360 X 108”



XXX-XXX

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

AL-MTS-XXO-5124 DRAWING AND DETAILS



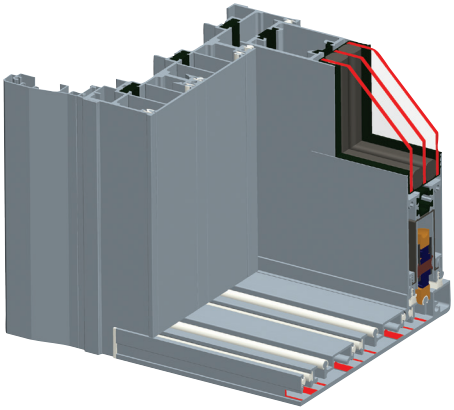
A MTS door handle and locking system, outside view



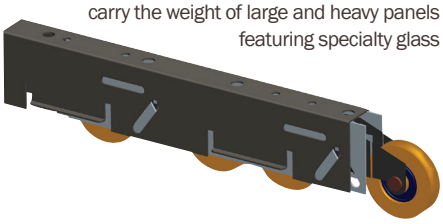
Low profile door operator allows easy operation of moving panels

B MTS door moving panel lower corner outside view

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



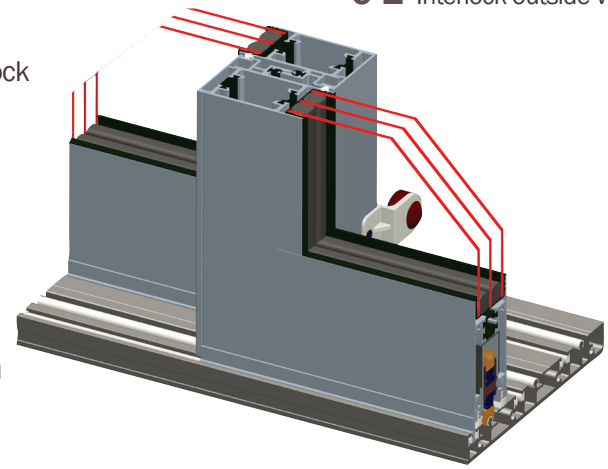
Four wheel bearing rollers are able to carry the weight of large and heavy panels featuring specialty glass



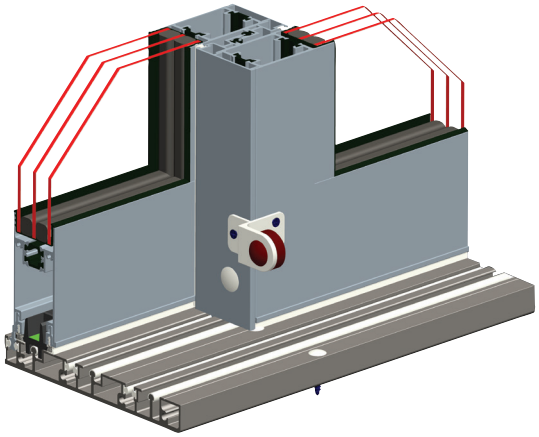
C MTS door interlock

Interlock connects the door panels, provides structural stability and a tight seal that prevents elements infiltration and extruded aluminum sill featuring thermal breaks and integral rail provides a stable bed for the fixed and moving panels

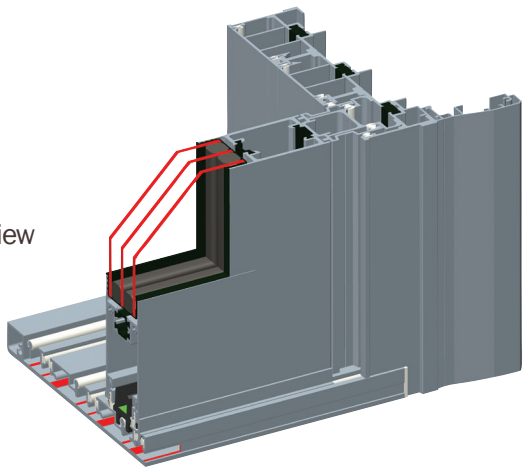
C-1 Interlock outside view



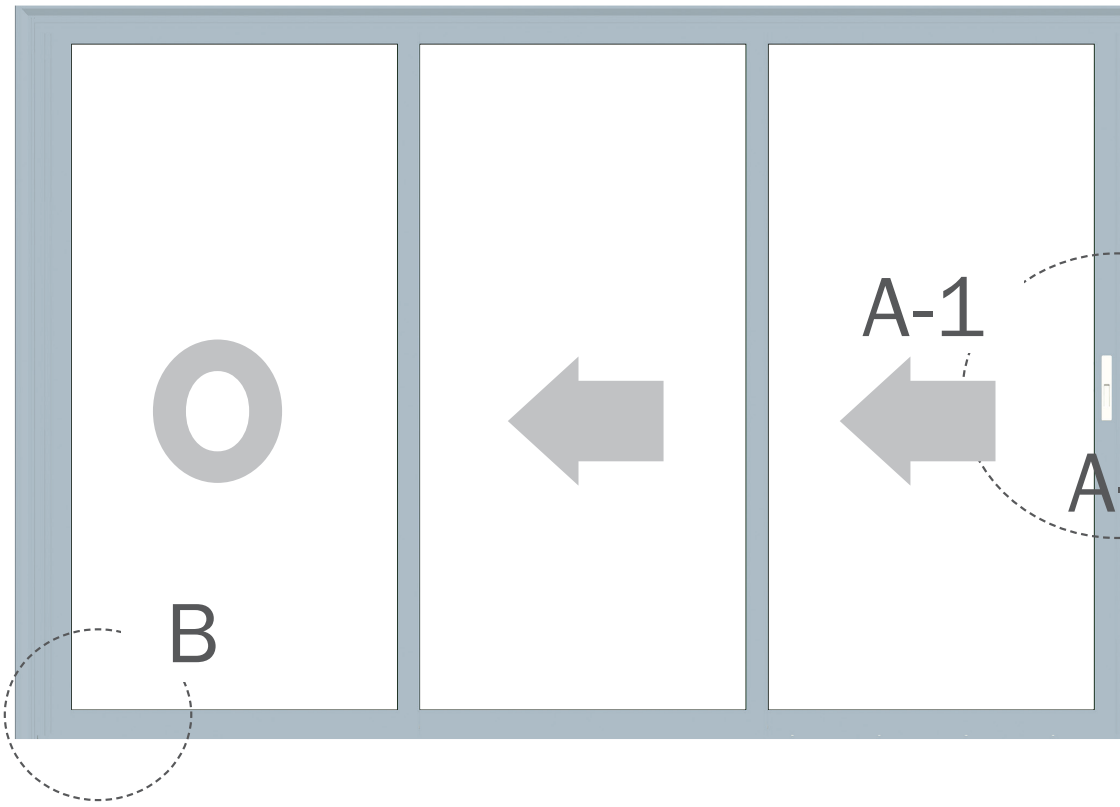
C-2 Interlock inside view



D MTS Fixed panel outside view



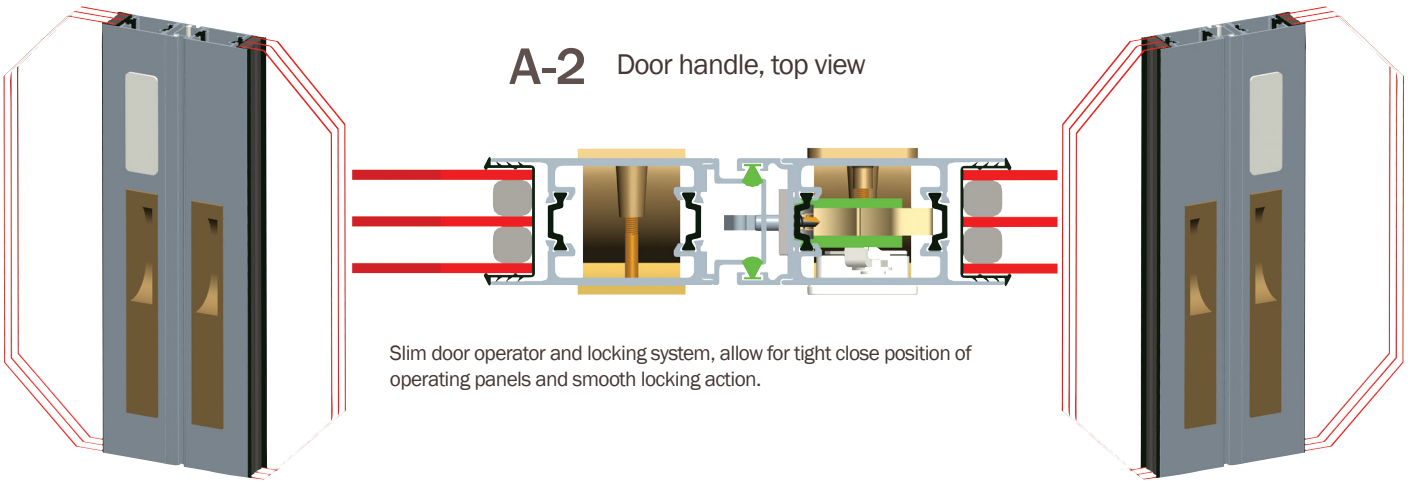
AL-MTS-0XX-XXO-5124 DRAWING AND DETAILS



A-1 Door handle, outside view

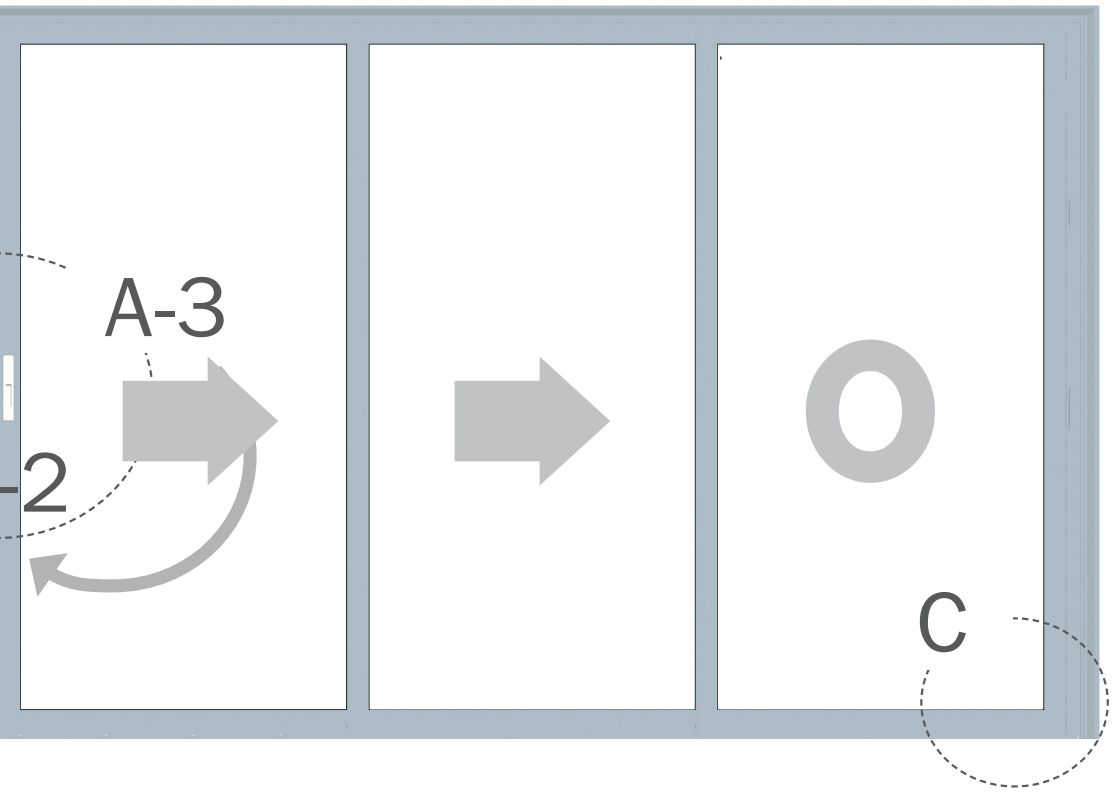
A-3 Door handle, inside view

A-2 Door handle, top view

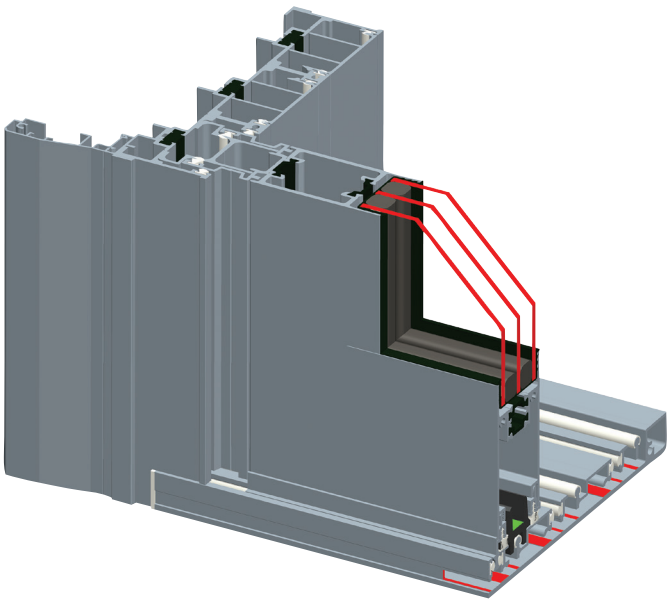


Slim door operator and locking system, allow for tight close position of operating panels and smooth locking action.

AL-MTS-0XX-XX0-5124 DRAWING AND DETAILS

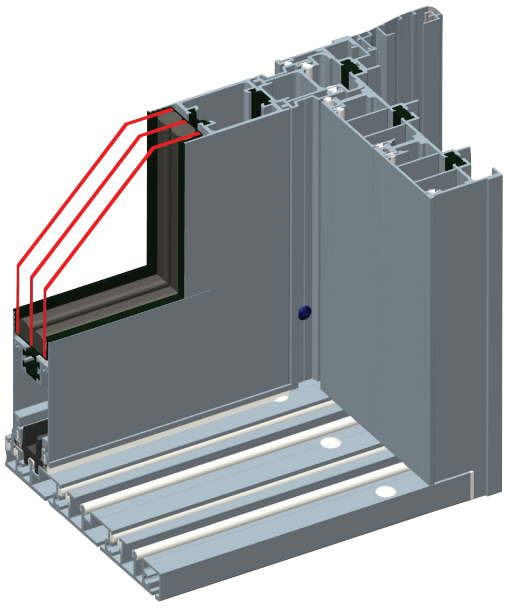


B Fixed panel lower corner, outside view



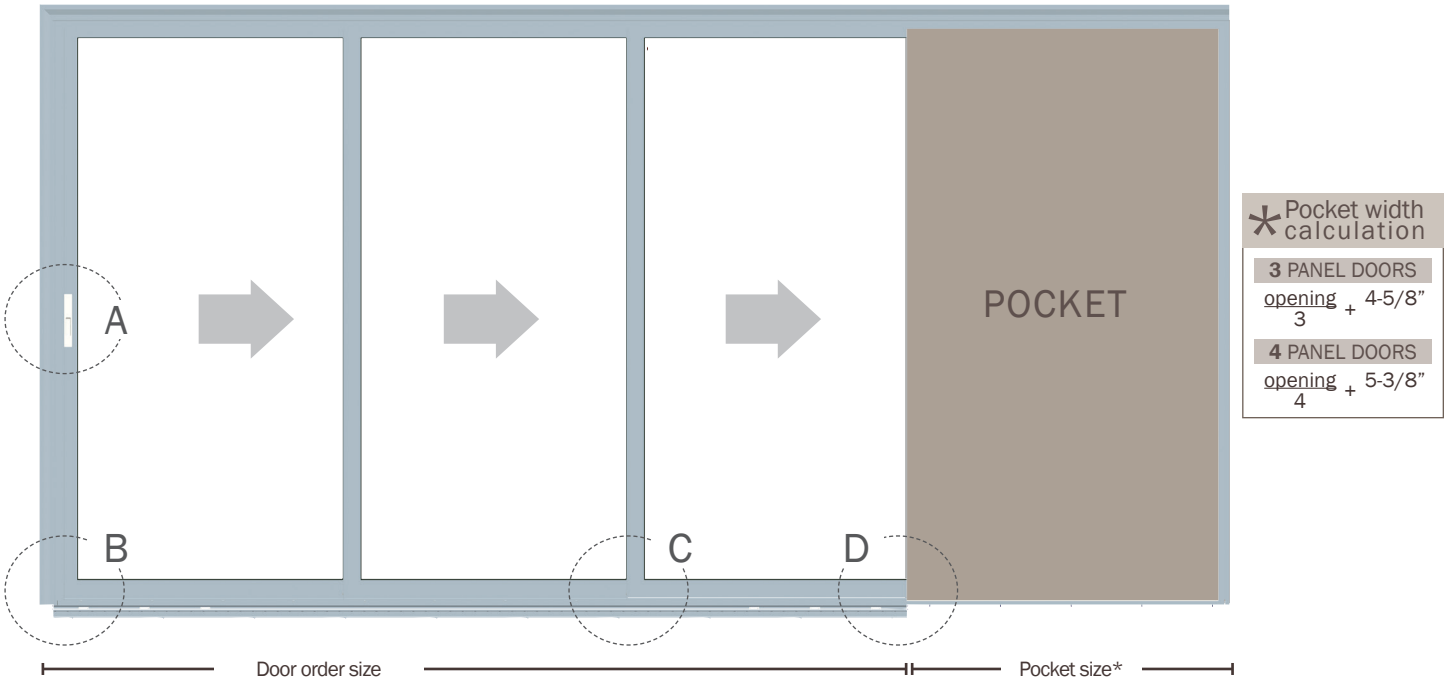
Main-frame and panel members feature thermal breaks that reduce heat transmittance and enhance thermal performance of glass components

C Fixed panel lower corner, inside view



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

AL-MTP-XXX-5124 DRAWING AND DETAILS



***Pocket width calculation**

3 PANEL DOORS

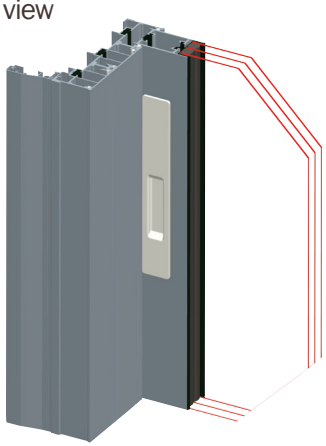
$\frac{\text{opening}}{3} + 4\text{-}5/8''$

4 PANEL DOORS

$\frac{\text{opening}}{4} + 5\text{-}3/8''$

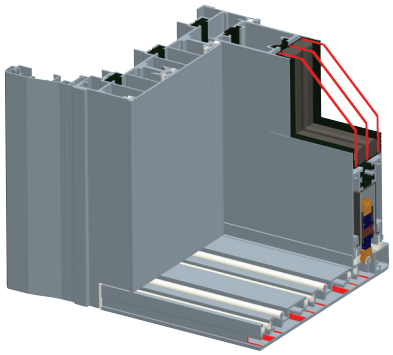
A Door operator outside view

Low profile door operator allows easy operation of moving panels



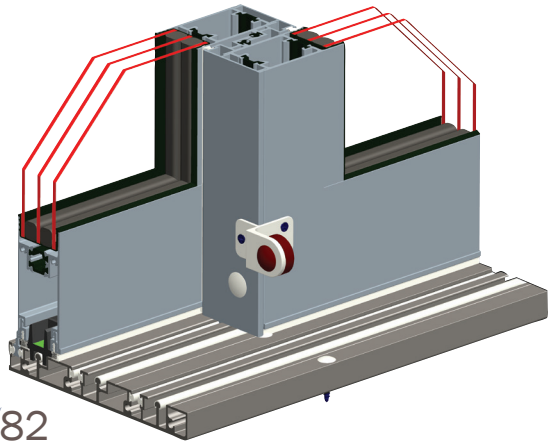
B MTS door moving panel outside view

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



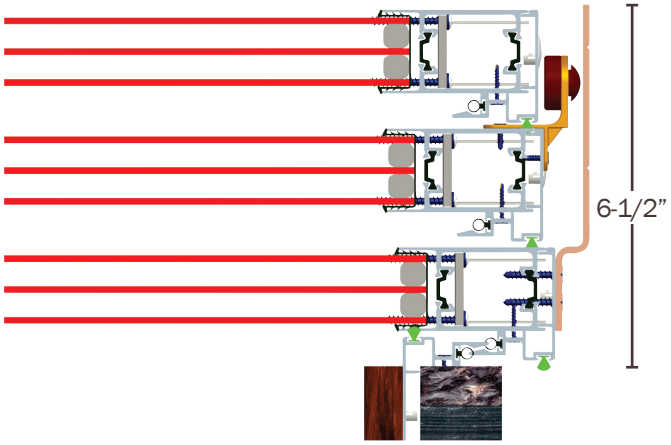
C Interlock, outside view

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





*Meets Title 24 Criteria for the State of California when ordered with Triple Glaze option featuring LoE3 high-performance glass

Multi-Sliding & Pocket Doors features at a glance, inside view

01 *Mechanically joined frame and panels*

02 *Heavy duty extruded thermally broken aluminum*

03 *Low profile door operator*

04 *Tight seal at panel intersection points*

Multi-Sliding & Pocket Patio Door OXX-XXO Thermal Performance

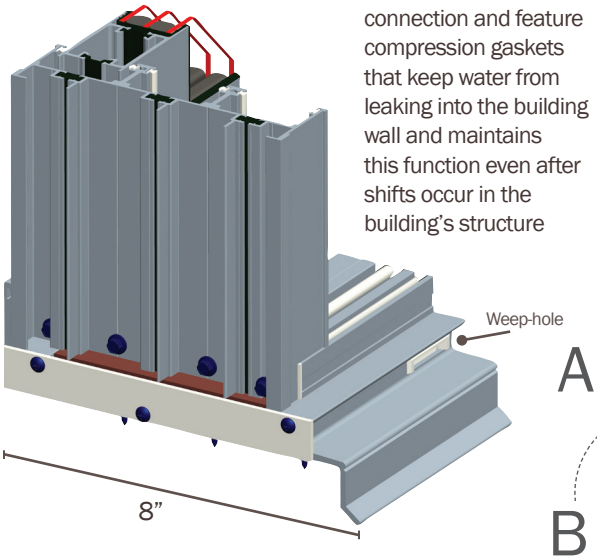
Glazing				Grids	U Factor	SHGC	VT	CR Condensation Resistance
Triple	3 mm LoE3	3 mm Clear	3 mm LoE3	None	0.31	.22	.36	CR 43
				<1"		.20	.31	
				>1"		.18	.27	

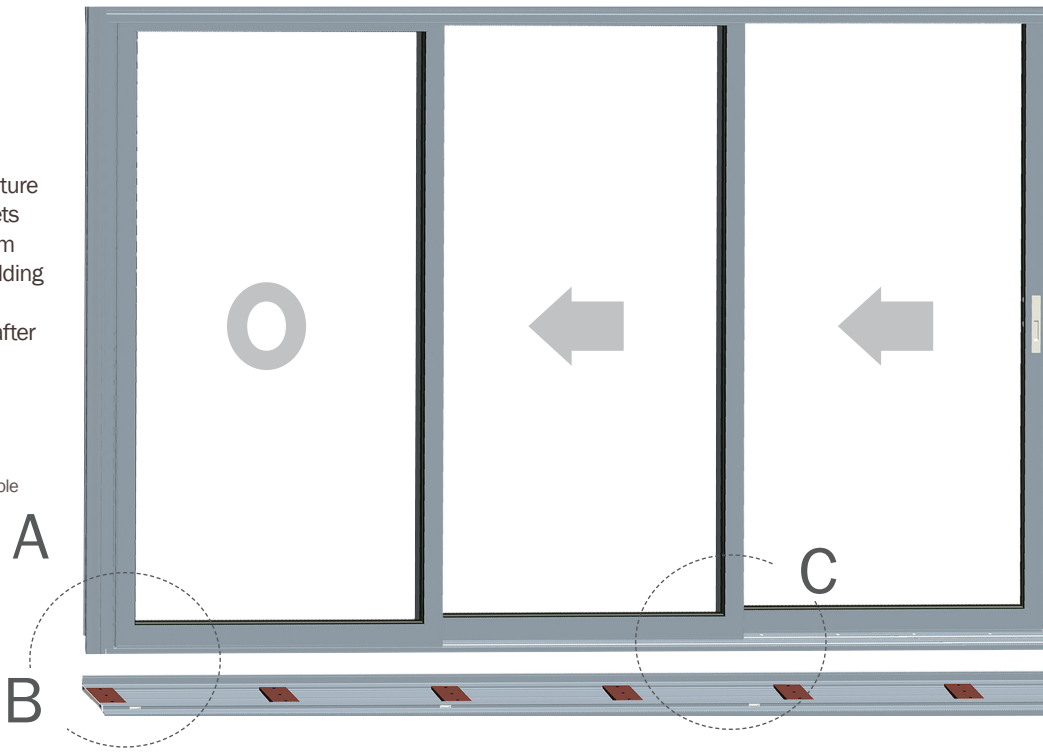
As tested with LoE3 glass and Argon gas filled combined with clear glass.
*Meets Title 24 Criteria for the State of California

AL-MTS-OXXXXO-5124 WITH OPTIONAL SU

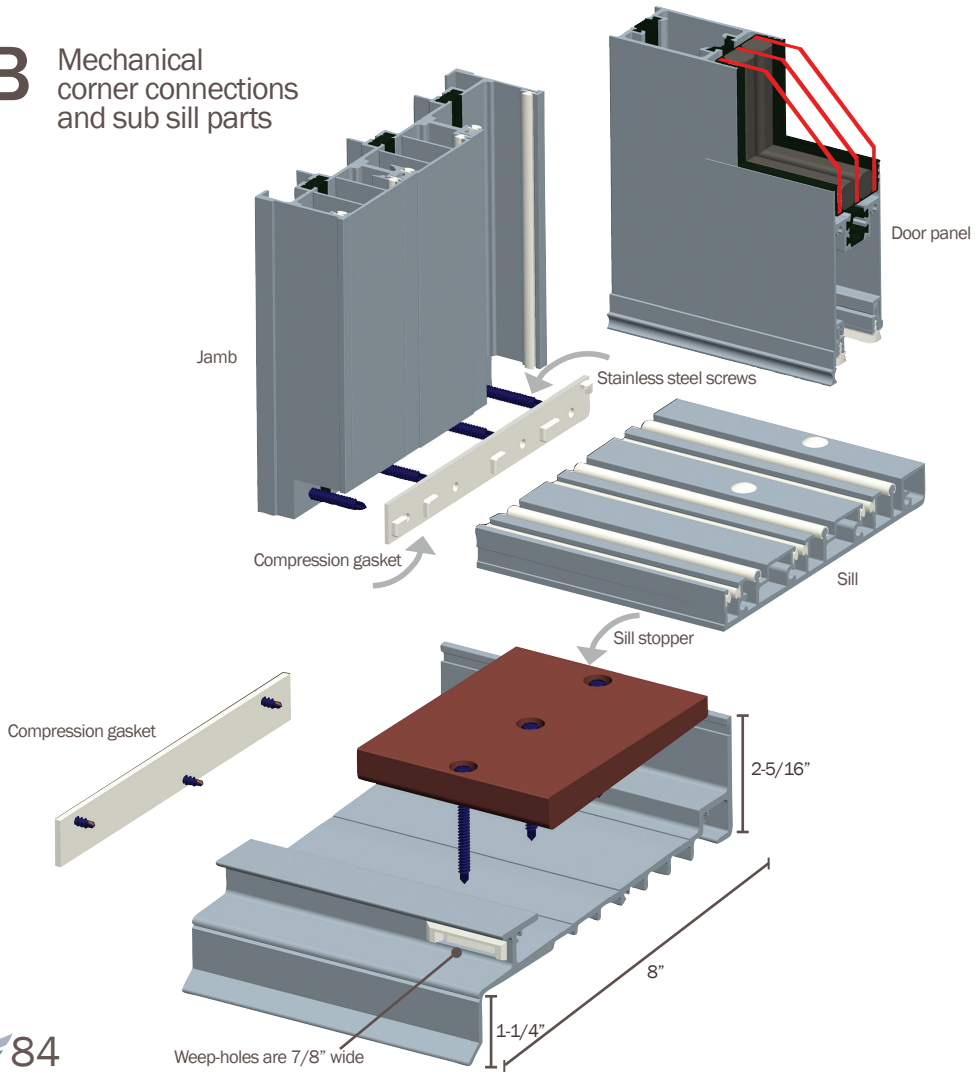
A Mechanical corner connections

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



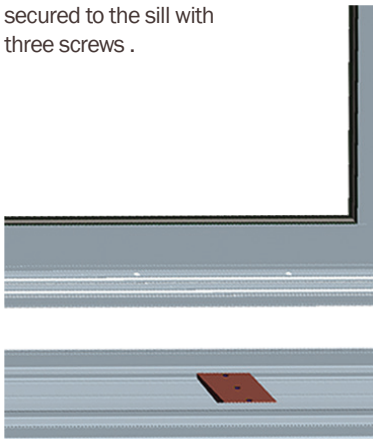


B Mechanical corner connections and sub sill parts

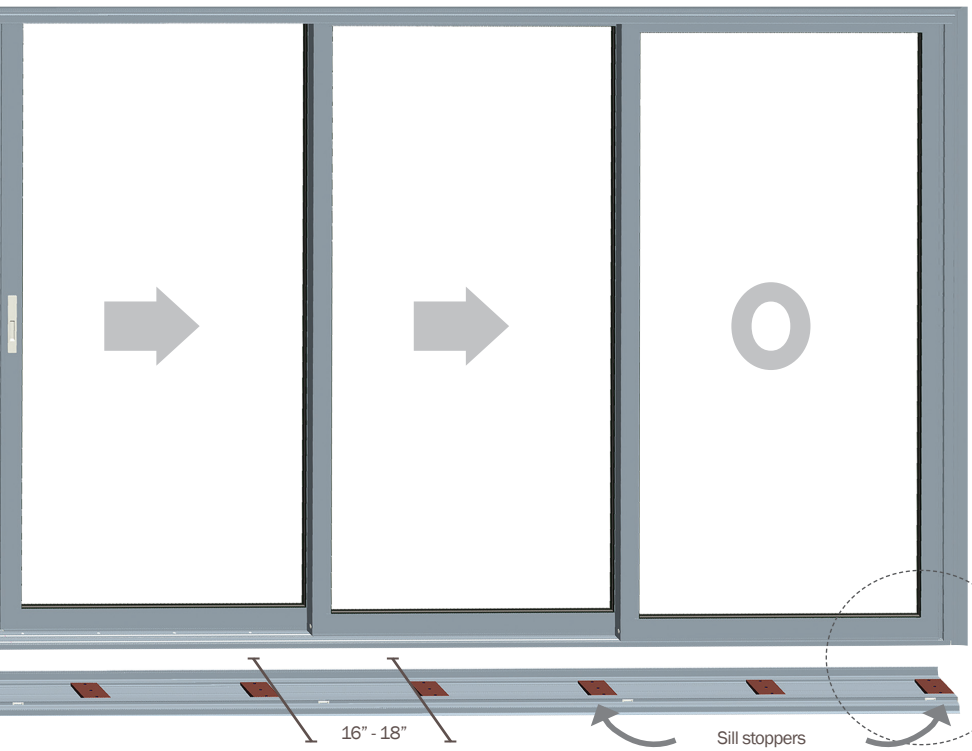


C Sill stoppers positioning

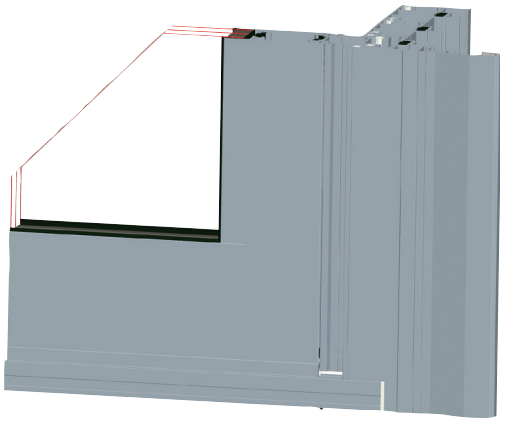
Sill stoppers in solid aluminum help level and support the door panels on the door sill track. Each stopper is 4” wide and is firmly secured to the sill with three screws .

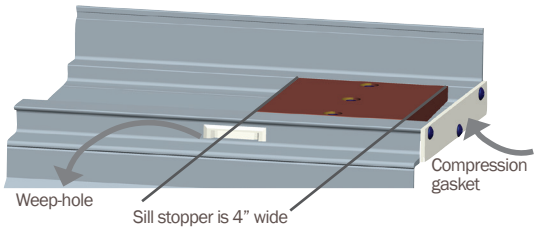


B SILL SECTIONAL DRAWING AND DETAILS



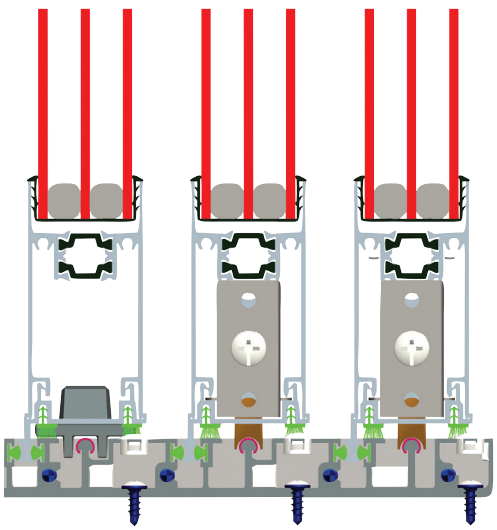
E Sub sill



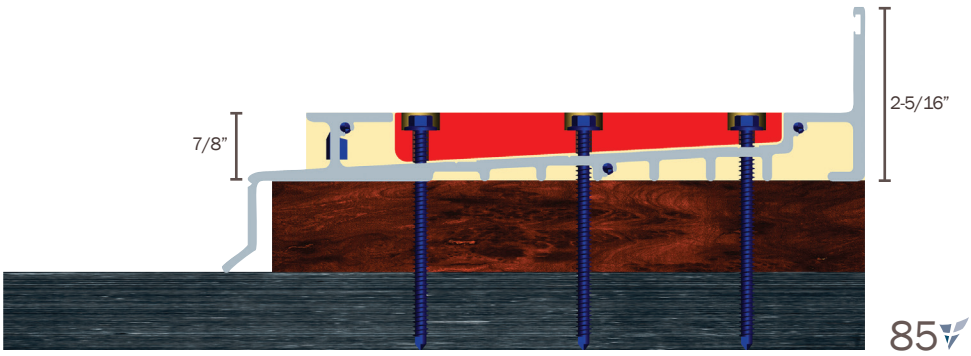


E Sub sill

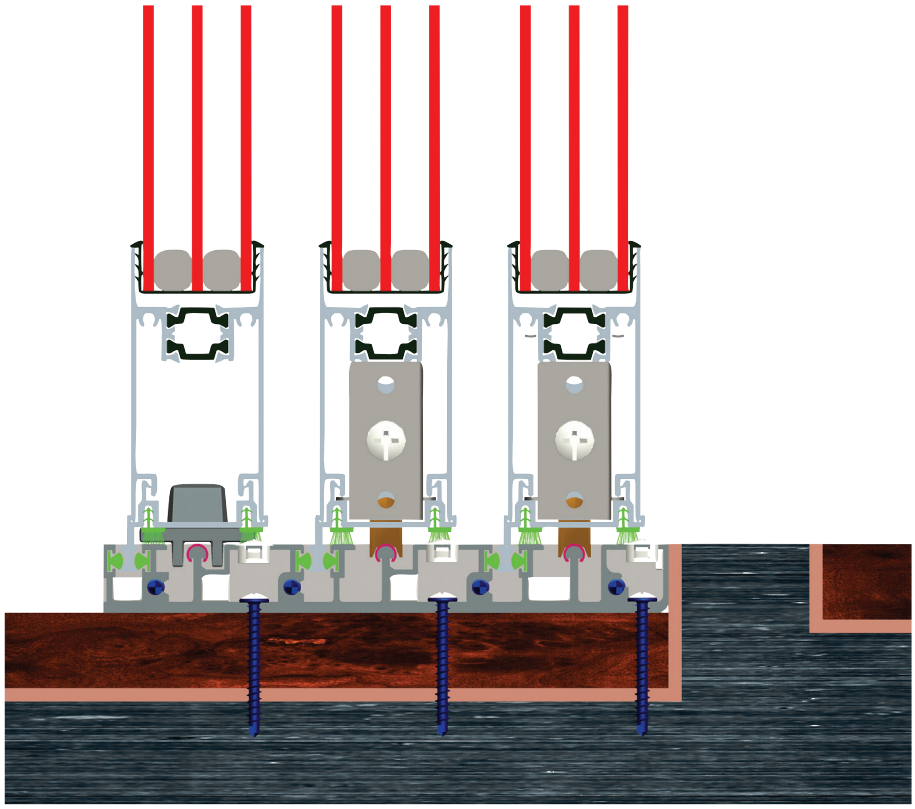
The sub sill provides a added support and stability to the door while preventing water infiltration



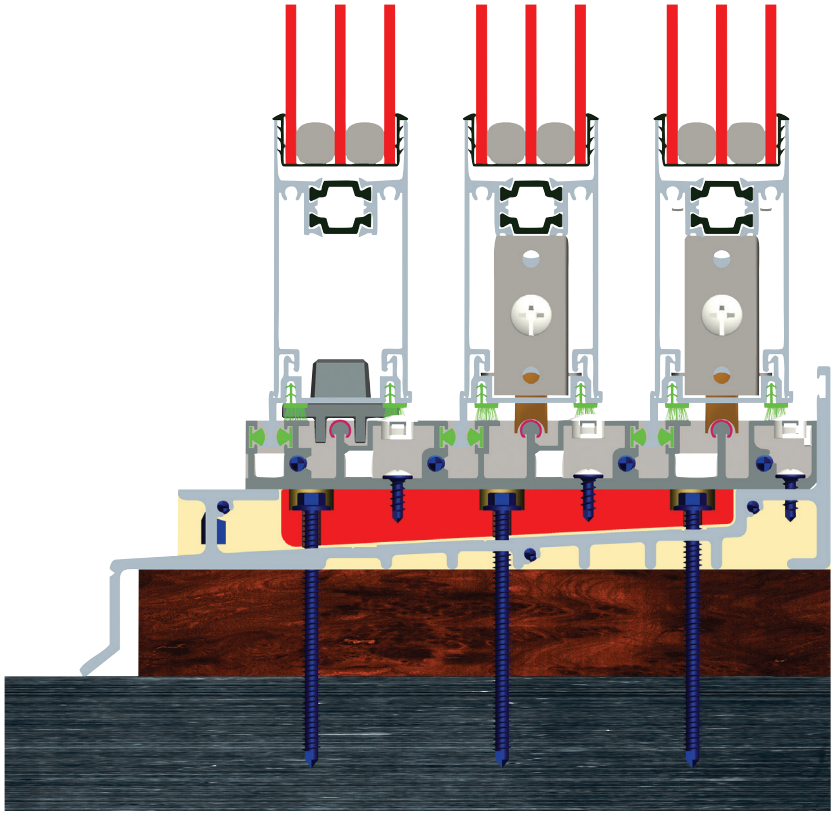




Standard Multi-sliding door sectional drawing

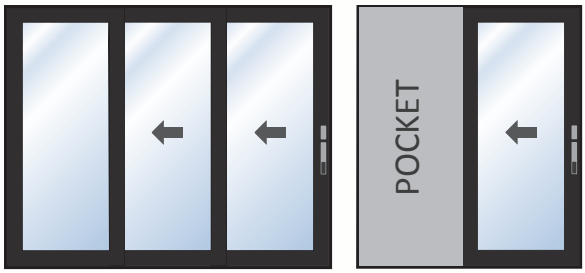


Multi-sliding door with optional Sub Sill sectional drawing



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.

Locking System Features

- Two, four and six-point mortise locks
- High corrosion and forced-entry resistance



Mortise Locking System

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

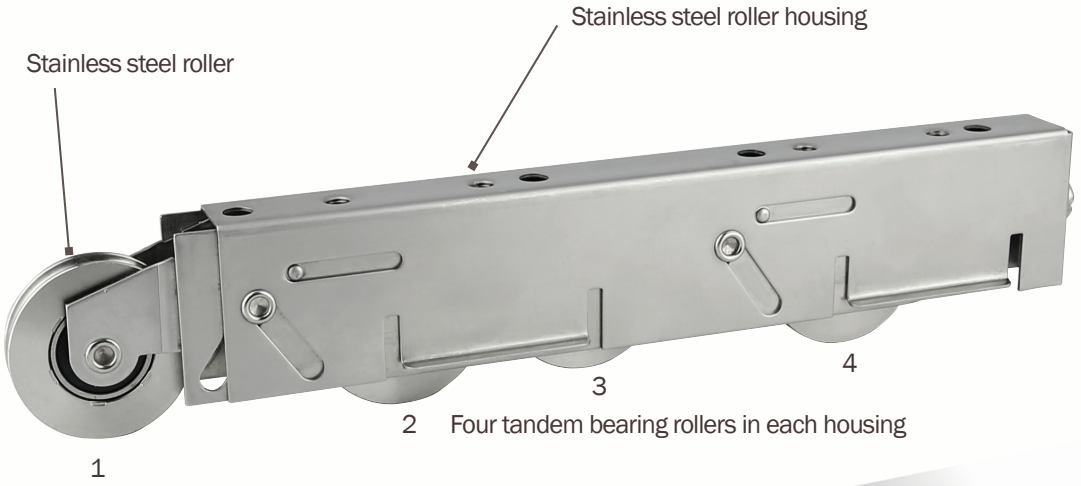
- Dual, opposing hooks
- Made in non corrosive stainless steel
- Adjustable locking points

Sliding Doors Four Wheel Bearing Rollers

Stainless steel bearing rollers and casing for Sliding and Multi-Sliding Doors

An exclusive heavy-duty commercial grade sliding hardware system designed to effortlessly carry heavy doors.

- 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



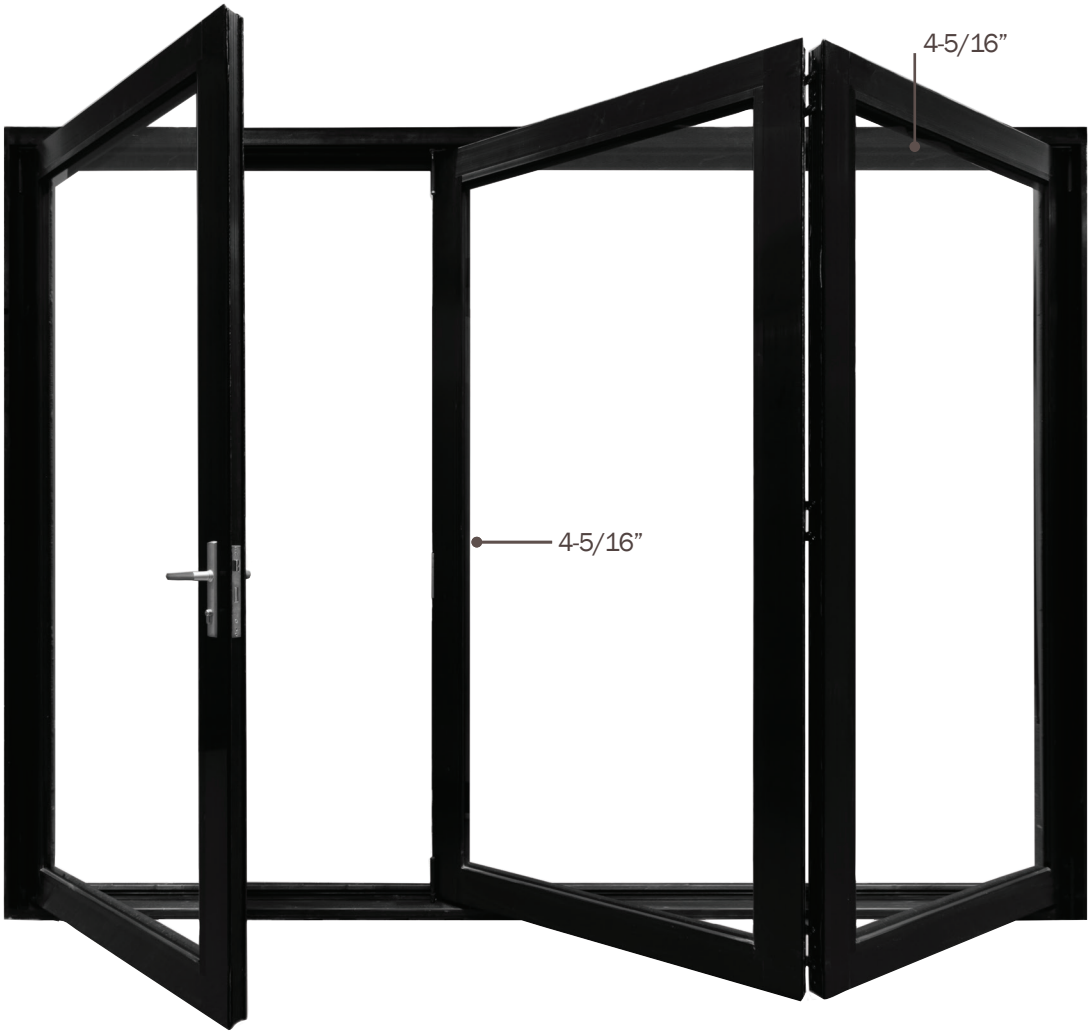
Four tandem bearing rollers in each housing



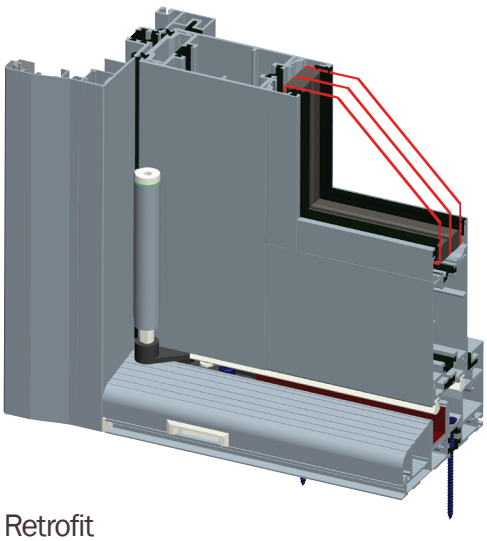
Concave roller design for smooth gliding action



THERMALLY BROKEN ALUMINUM RESIDENTIAL
FOLDING DOORS SERIES T-5123

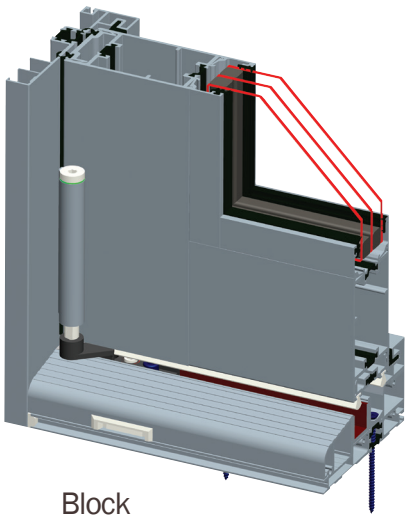


FRAME TYPES FOR REPLACEMENT AND NEW CONSTRUCTION APPLICATIONS



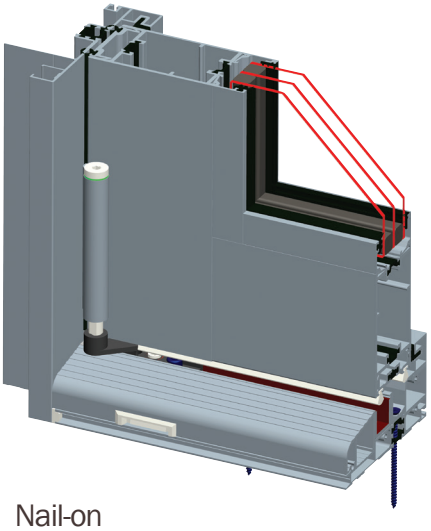
Retrofit

For replacement applications. 2” replacement flange allows for convenient installation with no need to break out stucco.



Block

For some replacement applications.



Nail-on

For new construction applications. This frame type allows targeted installation in a newly created opening. 1-3/8” set back to meet builders needs.



THERMALLY BROKEN ALUMINUM FOLDING DOORS FEATURES

Take a moment to learn about the outstanding features and benefits of our Thermally Broken Aluminum Folding Doors, which carry a Ten-Year Warranty for your peace of mind.

STANDARD COLORS*

Standard extruded aluminum colors are Bronze Anodized and Clear Anodized with matching hardware.

Bronze Anodized

Clear Anodized

OPTIONAL FINISHES*

Optional colors are Almond and White

Almond

White

*Color swatches are intended as a representation only and may vary due to printing limitations.

Durability and ease of use

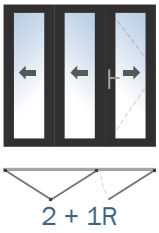
- Heavy duty 0.1" thick, extruded aluminum for structural strength and durability
- 20 mil anodizing thickness provides long lasting finish and consistent color
- Even sight lines for a balanced look
- Frame and panels are mechanically fastened for additional support, and structural integrity
- Reinforced non-hollow sill for superior strength
- 1-3/8" nailing fin setback
- Heavy-duty replacement flange is 2" wide
- Optional Super spacer with a secondary butyl seal provides a secure IG seal
- No excess mullions allow for unobstructed open door position
- Panels feature pivot hinges on the top for folding operation
- Flush panel stacking and out-swing action
- 4-1/2" interlocking rail profile
- 4-5/16" wide stile and jamb
- Flush, weather resistant sill
- Optional 10" ADA compliant sill is available
- Low profile handle allows for effortless operation
- Twin bolt lock features up to four point of locking for increased security and tight seal
- Maximum of 6 panels folding on each direction
- Head, track and sill feature anodized material matching the door color
- Screen: Optional

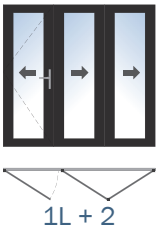
Enhanced energy efficiency

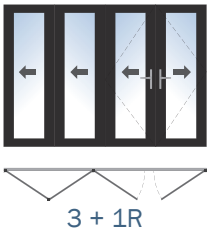
- Beveled, multi-chambered extruded aluminum featuring thermal breaks improves thermal performance while providing a slim and elegant appearance
- 4-1/2" frame depth engineered to host heavier insulated glass units of specialty glass packages
- 2" depth panel extrusion
- Optional Duralite spacer enhances thermal performance of glass components
- Full double weather stripping helps prevent elements infiltration
- 1-1/4" dual pane insulated glass unit featuring LoE3 glass is standard
- Optional triple pane glass for exceptional thermal performance
- Argon gas filled glass chambers for increased energy savings are standard for all glass packages for increased energy savings

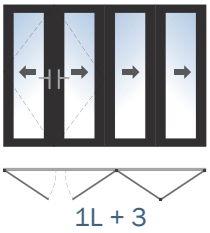
1 + PANEL FOLDING DOORS

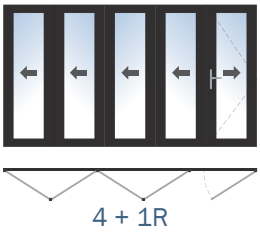
One panel operates to the left or right side and all other panels fold to the opposite side, with a maximum of 6 panels overall.

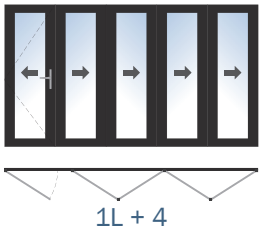

2 + 1R

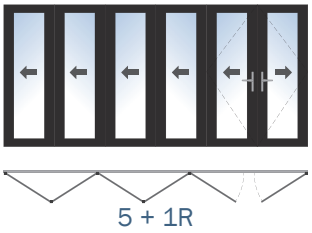

1L + 2

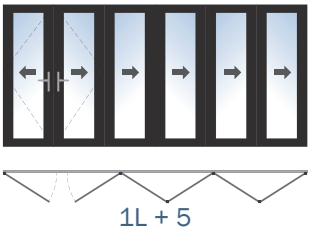

3 + 1R


1L + 3

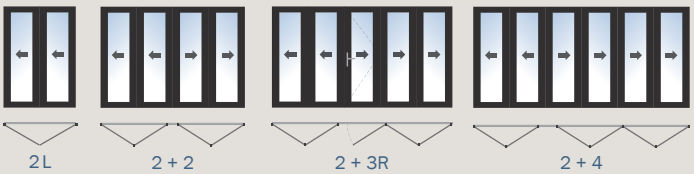

4 + 1R


1L + 4


5 + 1R

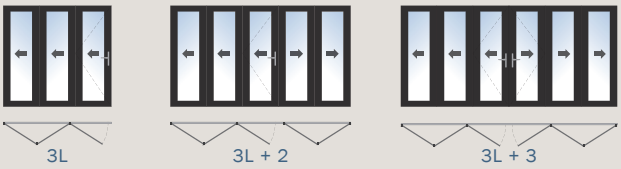

1L + 5

2 + PANEL FOLDING DOORS


2L 2 + 2 2 + 3R 2 + 4

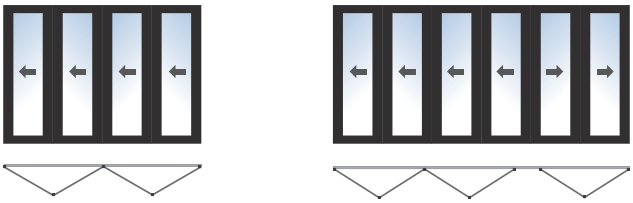
Two panels operate to the left or right side and all other panels fold to the opposite side, with a maximum of 6 panels overall.

3 + PANEL FOLDING DOORS


3L 3L + 2 3L + 3

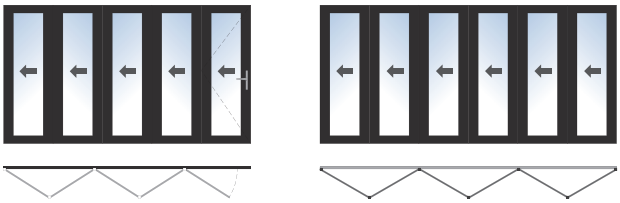
Three panels operate to the left or right side and all other panels fold to the opposite side, with a maximum of 6 panels overall.

4 + PANEL FOLDING DOORS


4L 4 + 2

Four panels operate to the left or right side and all other panels fold to the opposite side, with a maximum of 6 panels overall.

5 & 6 PANEL FOLDING DOORS


5L 6L

Five or six panels operate to the left or right side and all other panels fold to the opposite side.

Note: L and R refers to where the active panel is located

Standard Size Folding Doors Maximum Size

Panels	Width x Height
3	120” x 108”
4	160” x 108”
5	200” x 108”
6	240” x 108”



Folding Door features at a glance, inside view

- **01** *Mechanically joined corners*
- **02** *Top hung panel action*
- **03** *Folding action handle*
- **04** *Slim profile handle and lock*
- **05** *Heavy duty thermally broken aluminum frame and panels*

Residential Folding Door 1+2L Thermal Performance

Glazing				Grids	U Factor	SHGC	VT	CR Condensation Resistance
Triple	3 mm LoE3	3 mm Clear	3 mm LoE3	None	0.46	.16	.28	CR 23
				<1"		.15	.24	
				>1"		.13	.20	

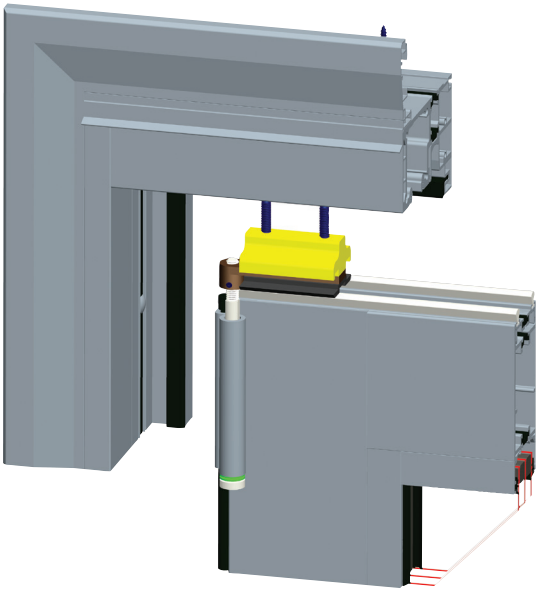
As tested with LoE3 glass and Argon gas filled combined with clear glass.

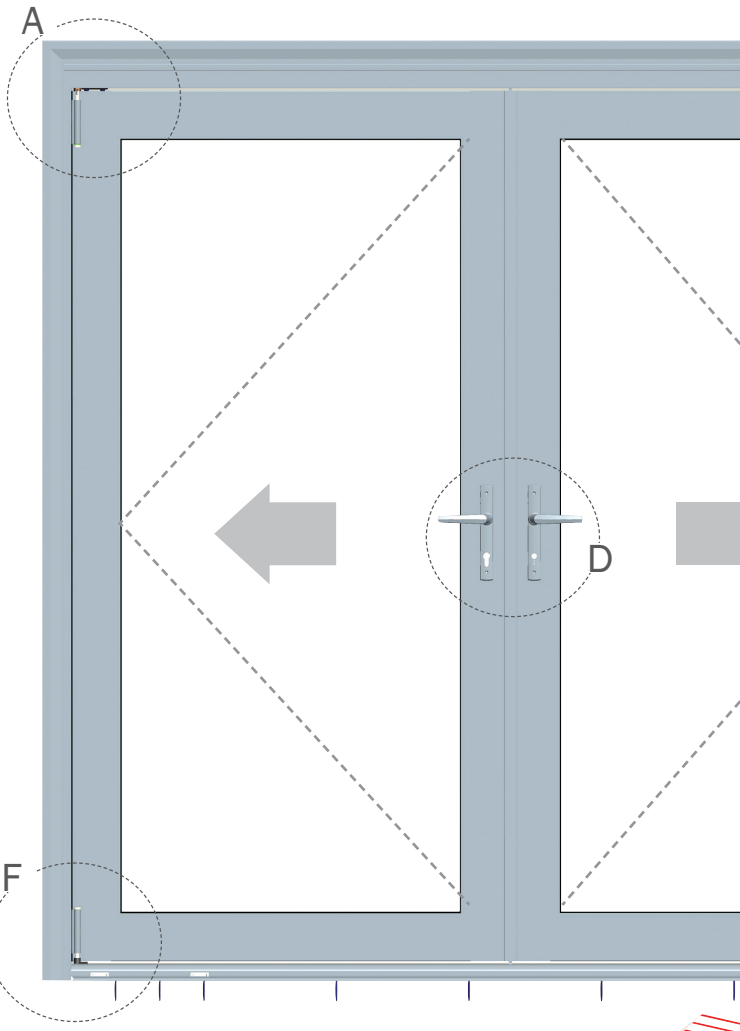
AL-R-BF-1+3R-5123 DRAWING AND DETAILS

A

Stainless steel screws

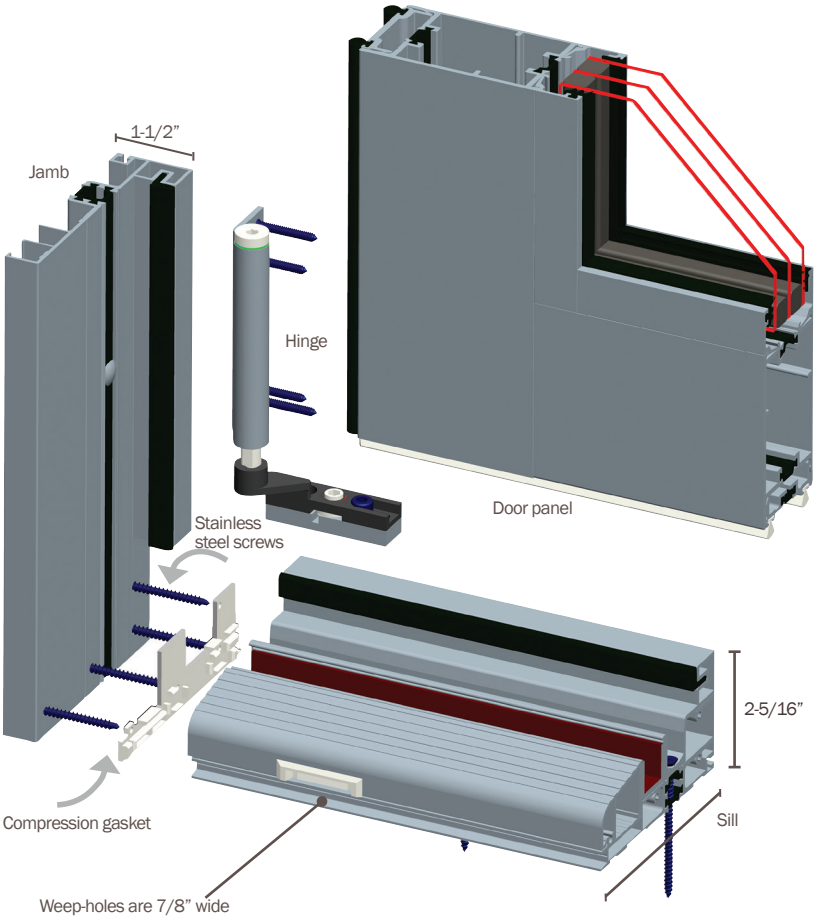
Top hung panels feature Secure Fold system. The door head is firmly secured to the opening by stainless steel screws.

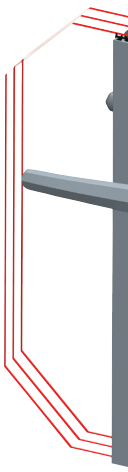




F Lower corner parts diagram

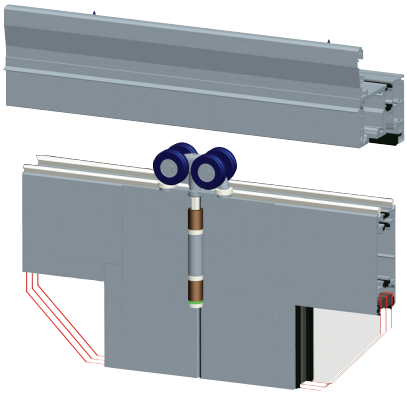
Mechanically joined lower corner features compression gasket and stainless steel screws for tight secure seal. Lower hinge allows smooth and quiet folding action.





D Twin bold locking system and handles

When deadlocked, this innovative locking system provides increased security with up to four points of locking. The shoot-bolt provides added security and seal compression. Handles have a turning angle of 90 degrees.

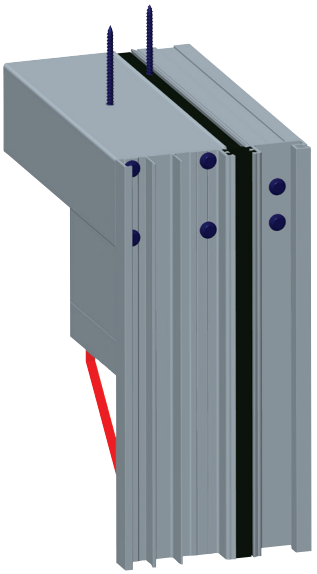


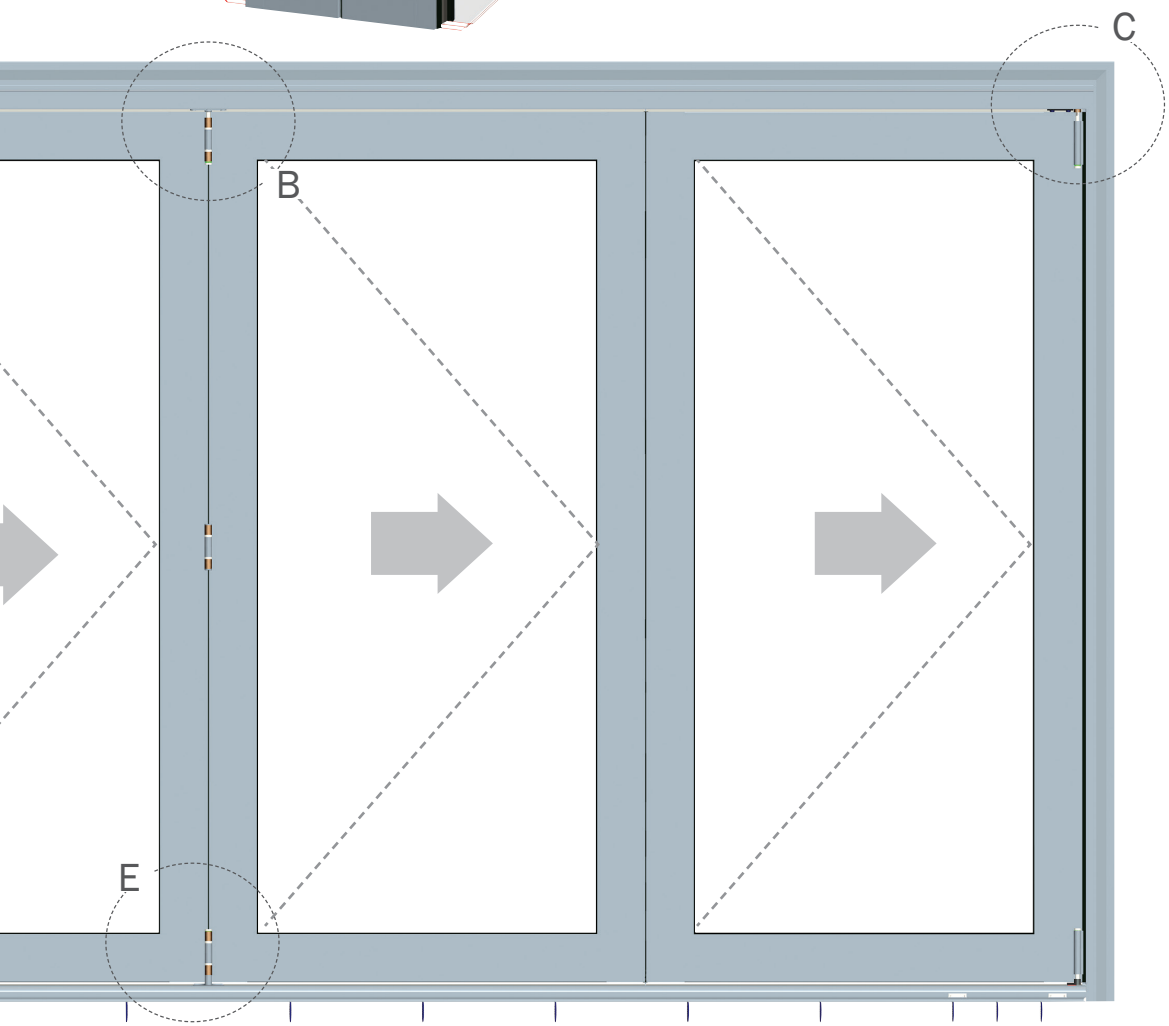
B Hinge

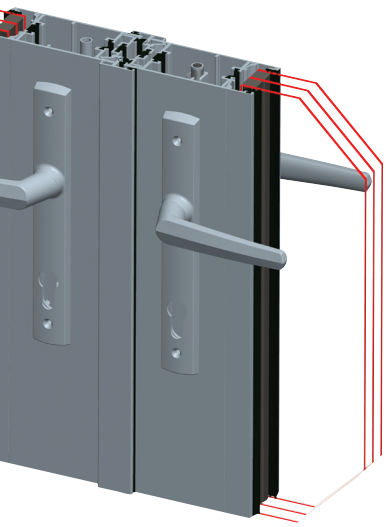
Pivot hinges for top hung folding operation with most of their parts manufactured in stainless steel.

C Mechanically Joined corners

Joints are mechanically fastened together with stainless steel screws to provide high rigidity and strength.

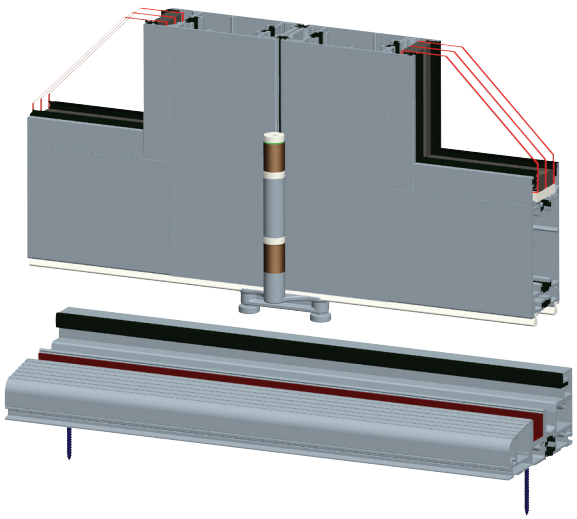




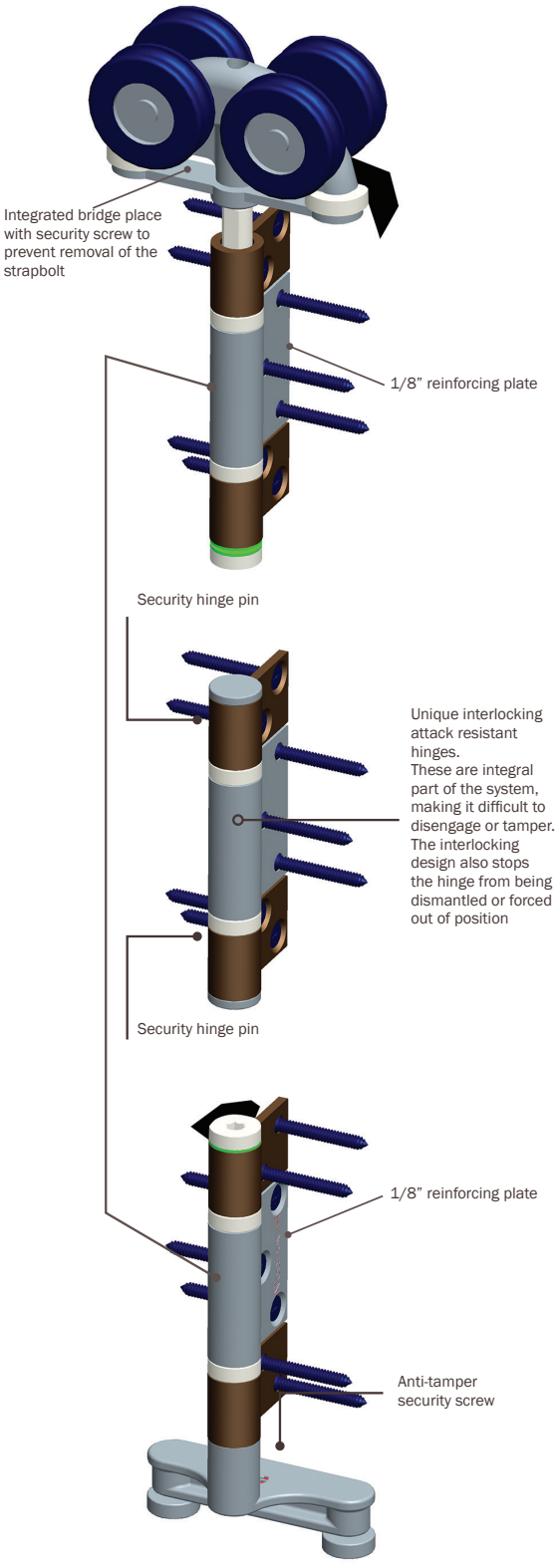


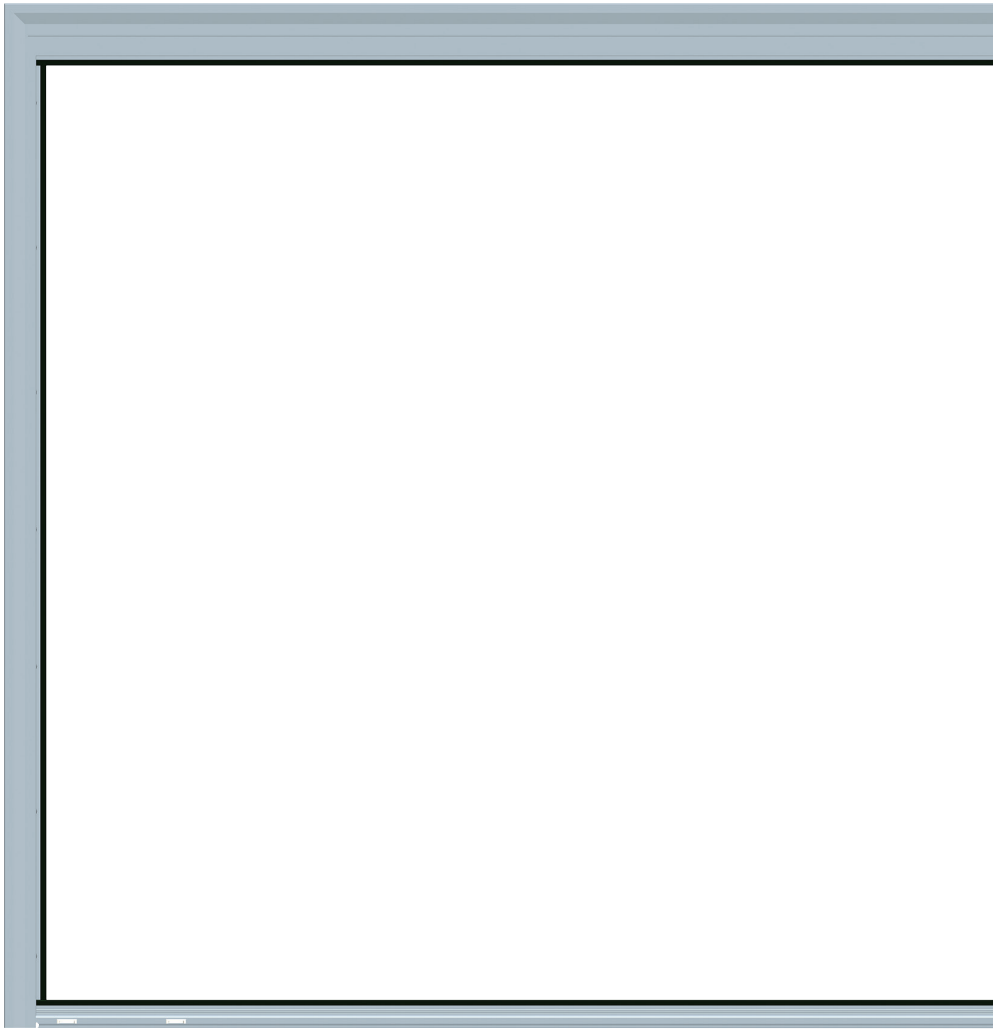
E Sill and lower hinge

The door's sill is firmly secured to the floor with stainless steel screws placed every 16-18". Lower hinges allow for smooth folding action and movement of the door panels.



Securefold hinge system





Panel Hinges

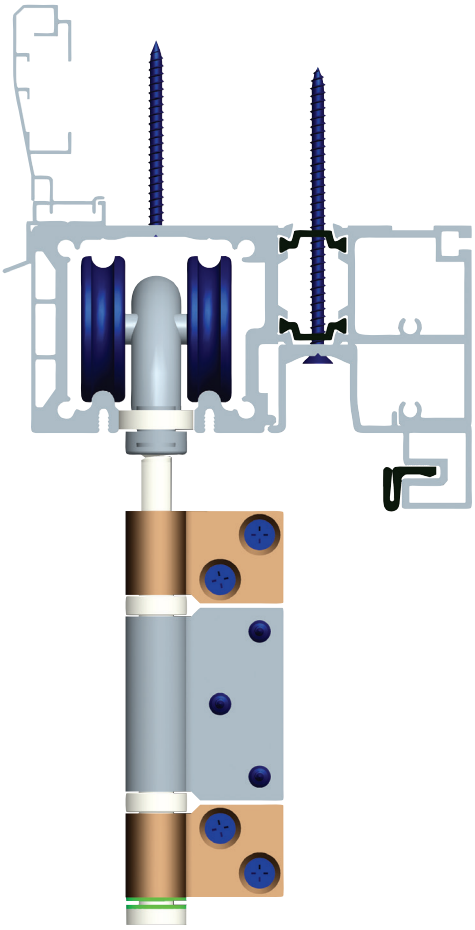


Vertical hinge between panels

The Securefold design allows for maximum performance and ease of operation with precise engineering, additional built-in vertical and lateral adjustment mechanisms developed to ensure a perfectly smooth fit.



Secure Fold Hinge System Top View



Folding door stoppers



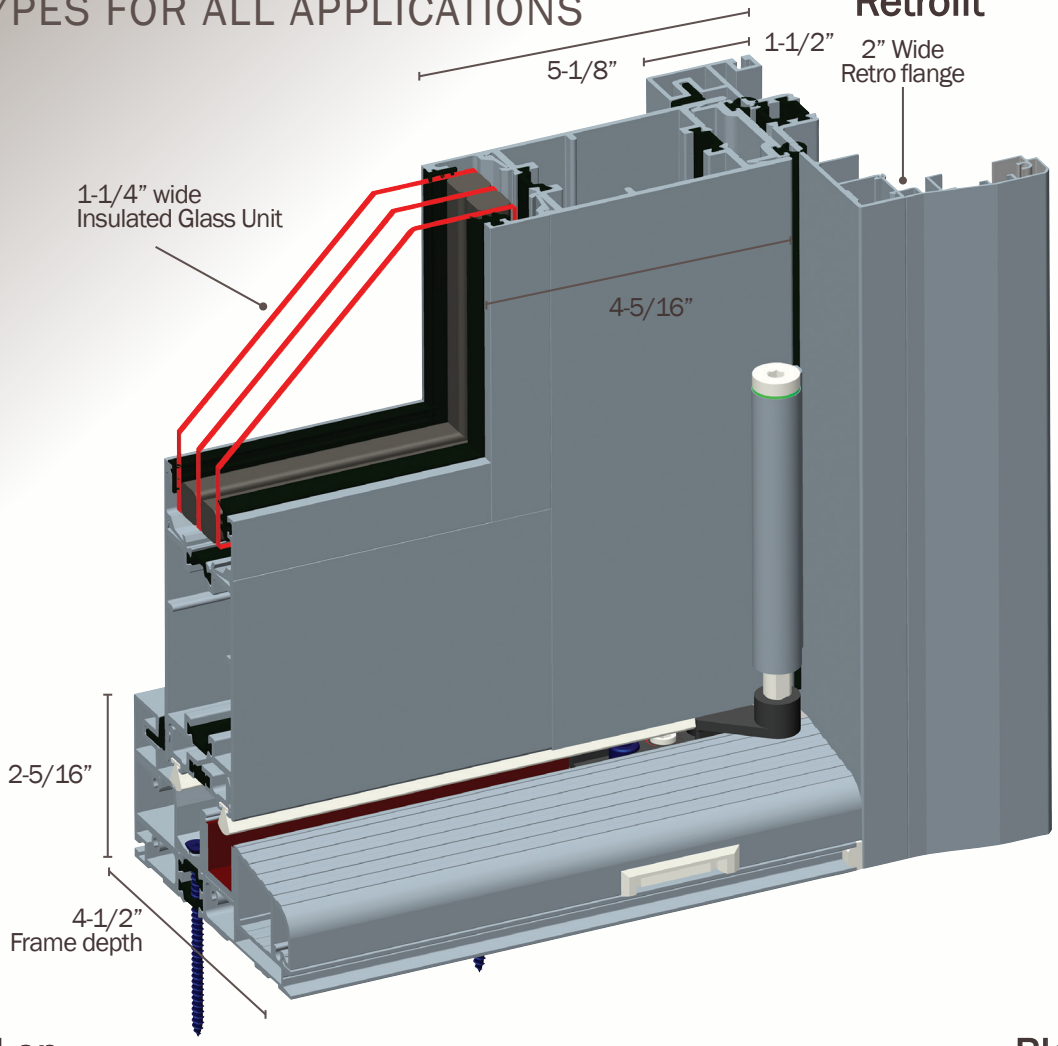
Folding door magnets



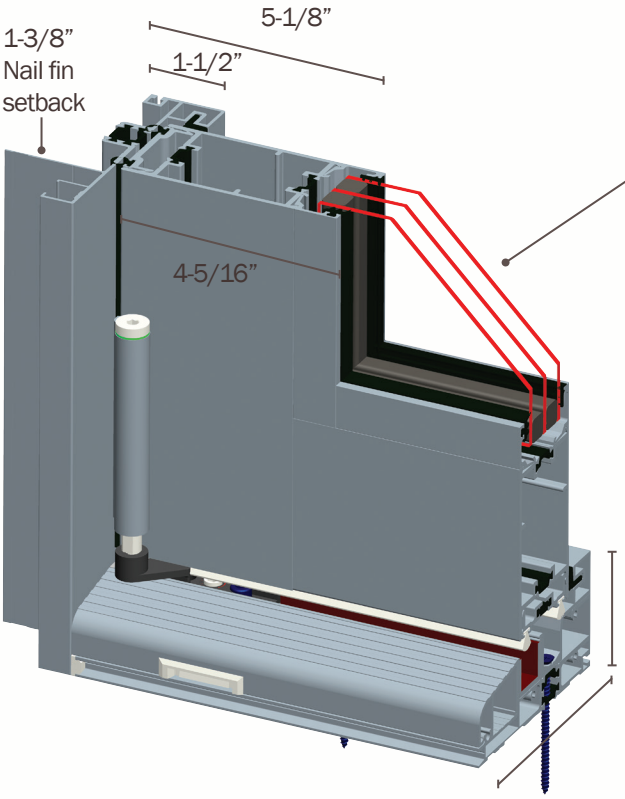
Magnets and stoppers protect the door panels from slamming and scratching each other when all the panels are folded and the door is completely open.

FRAME TYPES FOR ALL APPLICATIONS

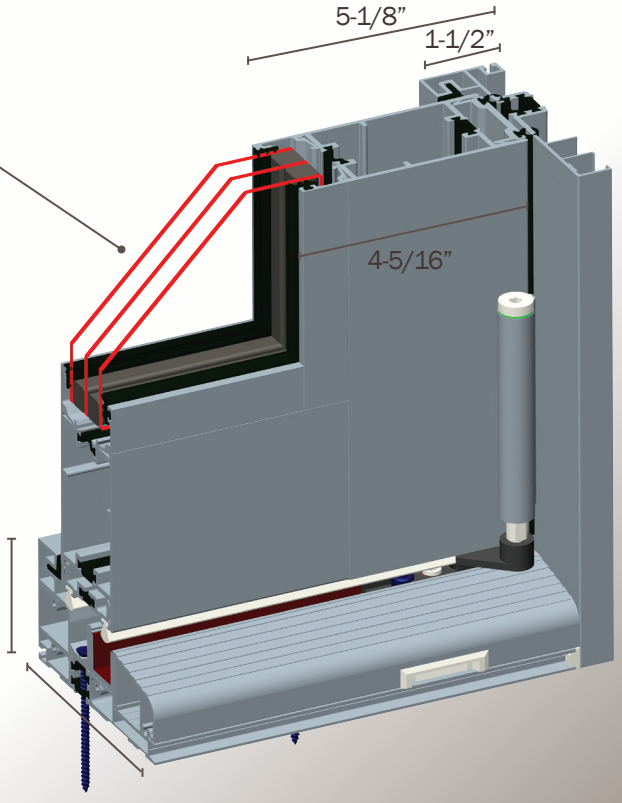
Retrofit



Nail-on

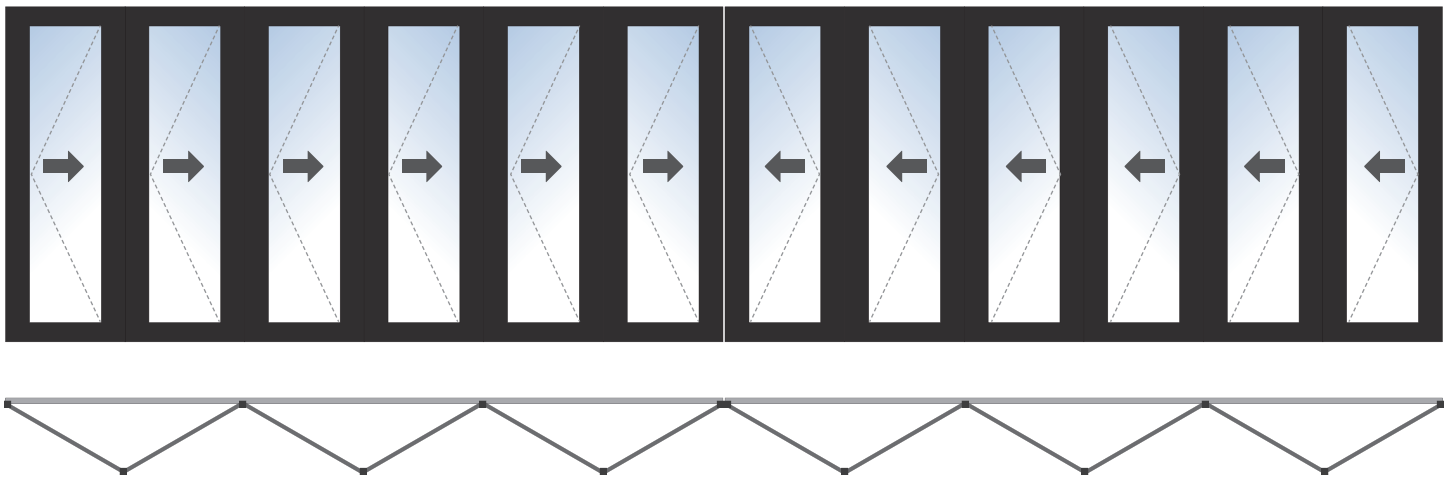


Block

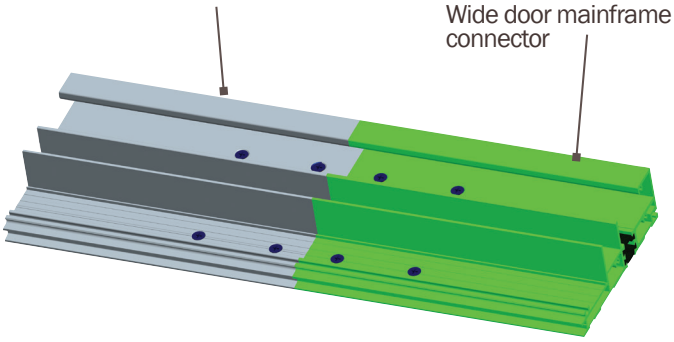


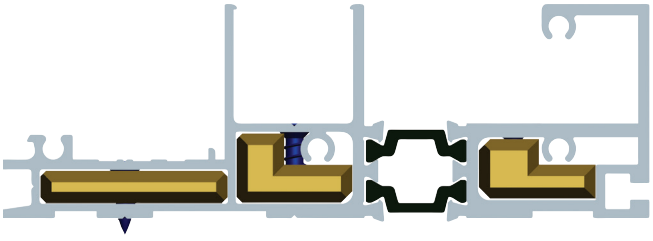


OVERSIZED THERMALLY BROKEN ALUMINUM FOLDING DOORS



Door mainframe connector





Mainframe and connector sectional view

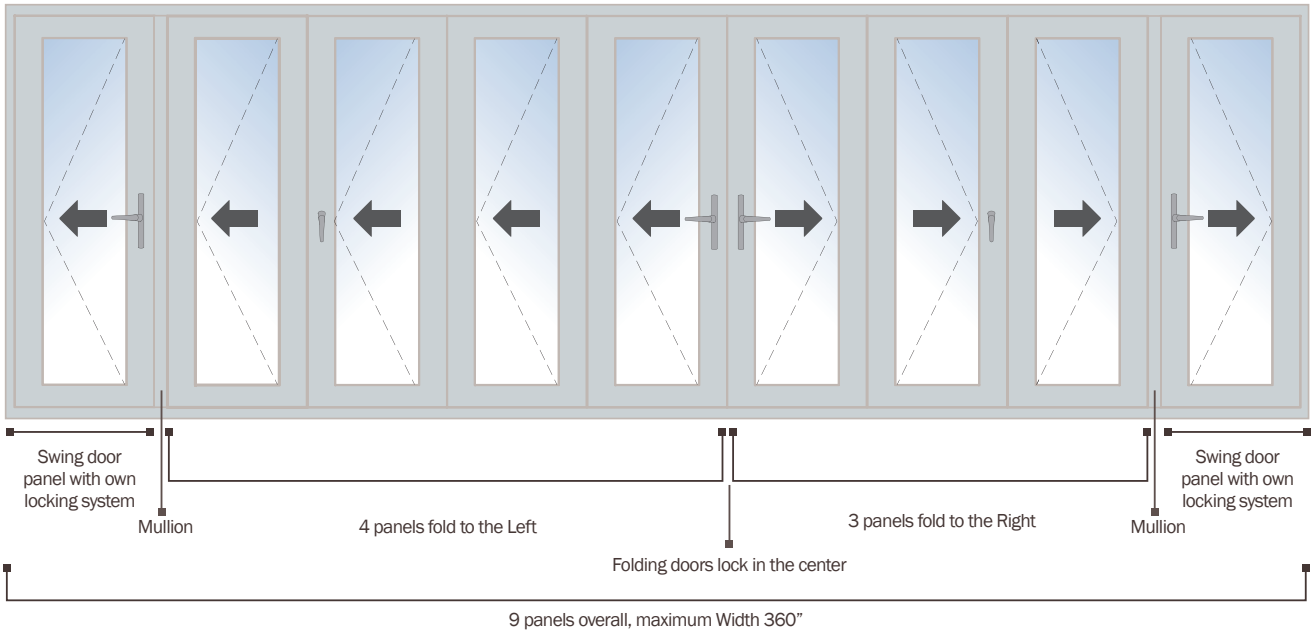
FOLDING DOOR SOLUTIONS FOR EXTRA WIDE OPENINGS

At Value Windows and Doors we have the capability to manufacture oversized folding doors up to a maximum width of 480” with up to 12 panels at an individual width of 40”. These doors integrate uniquely designed connectors on the mainframe that provide a solution for extra wide openings.

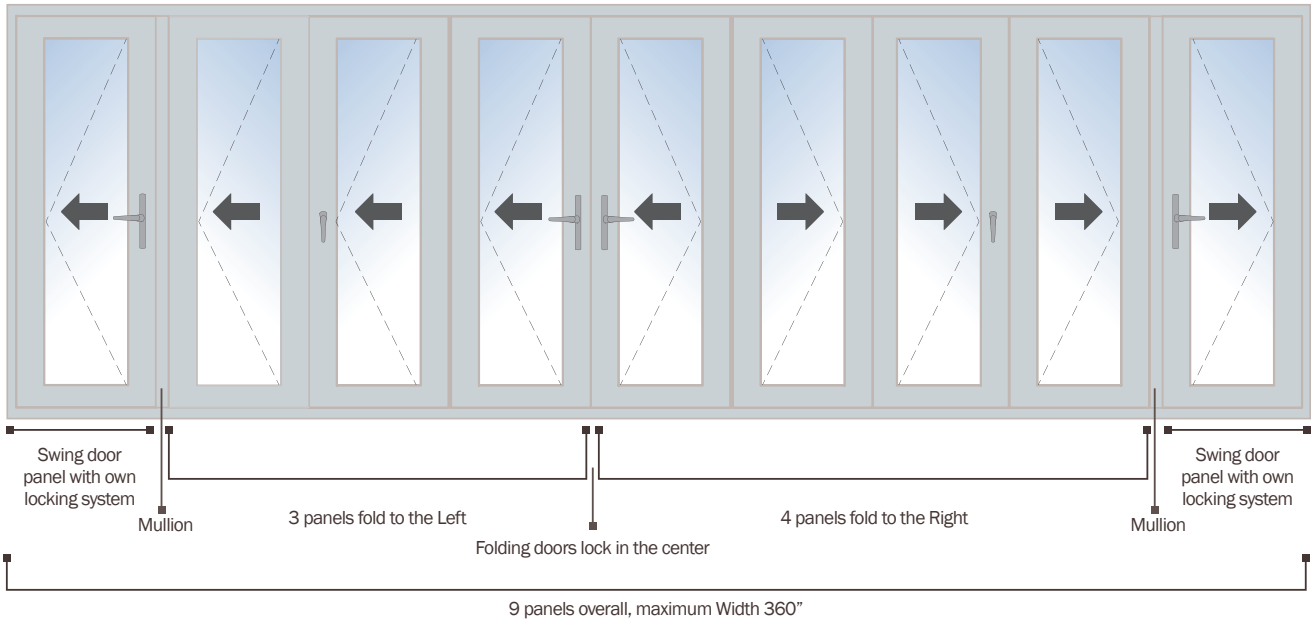
Talk to your Sales Representative for more information about this door options and details about installation, job site delivery, and specific project specifications.

CUSTOM FOLDING DOOR CONFIGURATIONS AVAILABLE FOR RESIDENTIAL AND COMMERCIAL APPLICATIONS

BF-X-4L-3R-X

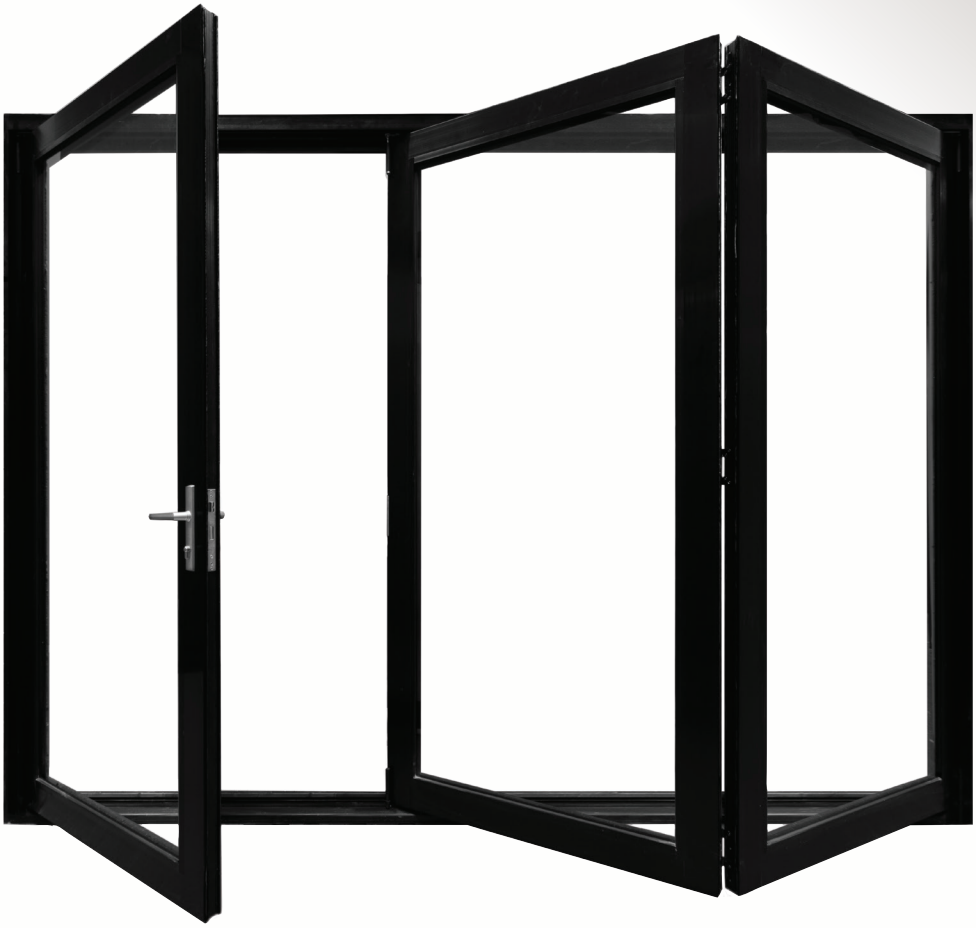


BF-X-3L-4R-X



BF-X-4L-3R-X & BF-X-3L-4R-X styles have swing doors on each end and seven folding panels in the center. Swing panels feature a mullion that allows for single panel operating action and independent locking system. The folding section of these doors has seven panels, three and four folding on each direction with locking capability. The maximum width per panel is 40” with and overall maximum width of 360” (30’.)

Talk to your Sales Representative for more information about this door options and details about installation, job site delivery, and specific project specifications.



Folding doors feature pivot hinges on the top which allow for top hung folding operation



Hinge and door track at head



Hinge and door track at sill

FOLDING DOORS HINGE SYSTEM

Securefold hinge system

The Securefold design allows for maximum performance and ease of operation with precise engineering, additional built-in vertical and lateral adjustment mechanisms developed to ensure a perfectly smooth fit.

Most parts are manufactured in 316 stainless steel, anodized aluminum track and polymers; and tested to over 100,000 cycles it offers outstanding working life and remarkable weather resistance even in harsh weather environments.

Securefold hinge system benefits

- High security locking system
- Suitable for doors weighing up to 100kg
- Outstanding weather resistance
- Maximum corrosion resistance
- Concealed channel to enhance appearance
- Precision bearings top and bottom to allow effortless movement
- Tested to over 100,000 cycles



Hinge and door track at head

SERIES T-5123

FOLDING DOORS HANDLE AND LOCKING SYSTEM



Twin Bolt Lock for Folding Doors

When deadlocked, this innovative locking system provides increased security with up to four points of locking. The shoot-bolt provides added security and seal compression

Features

- Provides two points of security with throw rods top and bottom
- Zinc die-cast construction
- Threaded rod connection provides easy adjustment
- Handle turning angle of 90 degrees



Zinc die-cast construction for heavy-duty use and lasting performance



Frontal view



Twin bolt locking system and handle, inside view. Bolt allows to lock door from the inside.



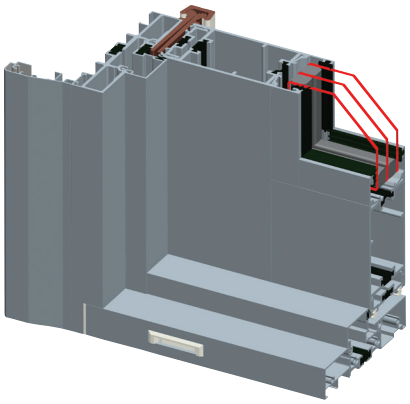
Twin bolt locking system and handle, outside view. Keyed option allows to lock door from the outside.



RESIDENTIAL THERMALLY BROKEN ALUMINUM
FRENCH SWING PATIO DOORS SERIES T-5122

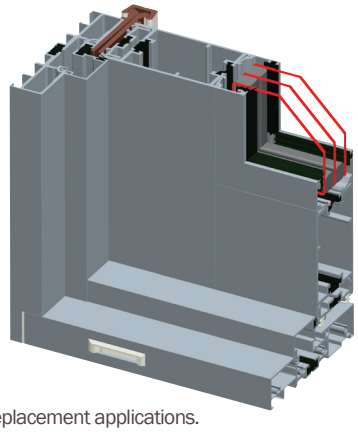


FRAME TYPES FOR REPLACEMENT AND NEW CONSTRUCTION APPLICATIONS



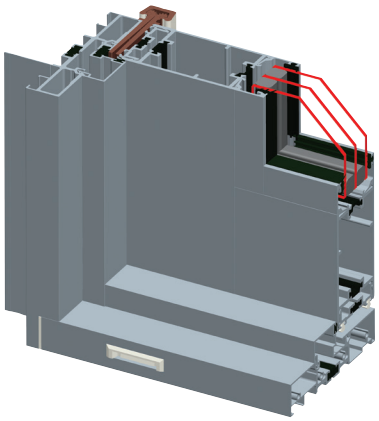
Retrofit

For replacement applications. 2” replacement flange allows for convenient installation with no need to break out stucco.



Block

For some replacement applications.



Nail-on

For new construction applications. This frame type allows targeted installation in a newly created opening. 1-3/8” set back to meet builders needs.

Also available in 1-1/4” Dual glaze featuring LoE3 glass and Argon Gas fill



Durability and ease of use

- Heavy duty 0.1” thick, extruded aluminum for structural strength and durability
- 20 mil anodizing thickness provides long lasting finish and consistent color
- Even sight lines for a balanced look
- Frame and sashes are mechanically fastened for additional support, and structural integrity
- Reinforced non-hollow sill for superior strength
- ADA compliant sill is available upon request
- Heavy-duty replacement flange is 2” wide
- 1-3/8” nailing fin setback
- 2” deep panel extrusion
- 4-5/16” jamb width
- Optional Super spacer with a secondary butyl seal provides a secure IG seal
- High performance hinges allow ease of operation for panels featuring our heaviest glass packages
- Contemporary and ergonomically designed handle matching the aluminum color delivers smooth action and a modern look
- Locking system is corrosive resistant and provides remarkable forced entry resistance
- In-swing and out-swing operation is available

Enhanced energy efficiency

- Beveled, multi-chambered extruded aluminum featuring thermal breaks improves thermal performance while providing a slim and elegant appearance
- 4-5/16” frame depth engineered to host heavier insulated glass units of specialty glass packages
- Optional Duralite spacer enhances thermal performance of glass components
- Full double weather stripping helps prevent elements infiltration
- 1-1/4” dual pane insulated glass unit featuring LoE3 glass is standard
- Optional triple pane glass for exceptional thermal performance
- Argon gas filled glass chambers for increased energy savings are standard for all glass packages for increased energy savings

THERMALLY BROKEN ALUMINUM FRENCH SWING PATIO DOORS FEATURES

Take a moment to learn about the outstanding features and benefits of our Thermally Broken Aluminum French Swing Patio Doors, which carry a Ten-Year Warranty for your peace of mind.

STANDARD COLORS*

Standard extruded aluminum colors are Bronze Anodized and Clear Anodized with matching hardware.

Bronze Anodized

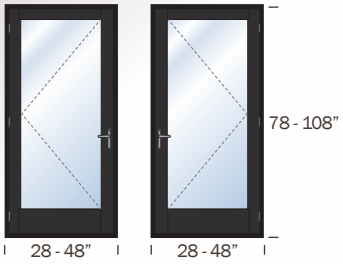
Clear Anodized

*Color swatches are intended as a representation only and may vary due to printing limitations.

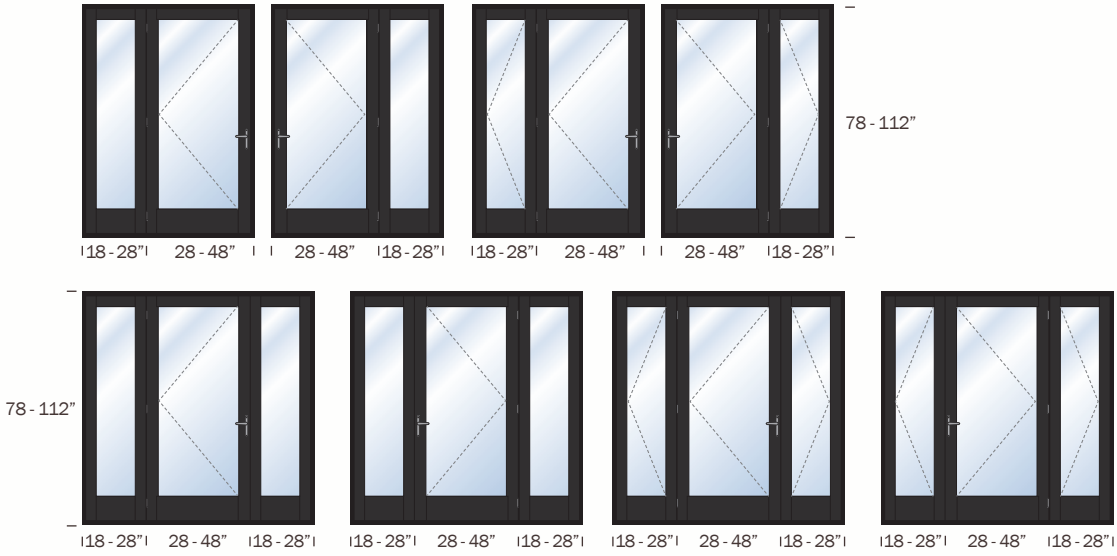
FRENCH SWING PATIO DOORS T-5122

SWO or SWI: XL, XR

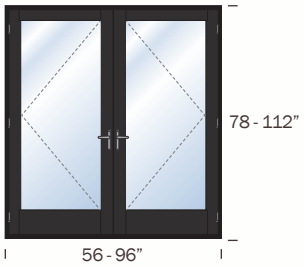
Maximum size: 48 x 108”



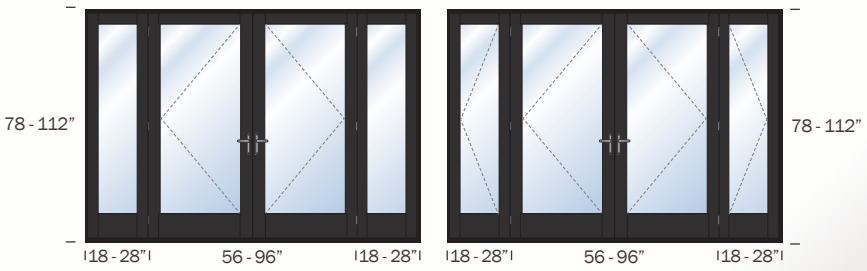
SWO or SWI:
SXL, SXR, XLS, XRS,
FXL, FXR, XLF, XRF



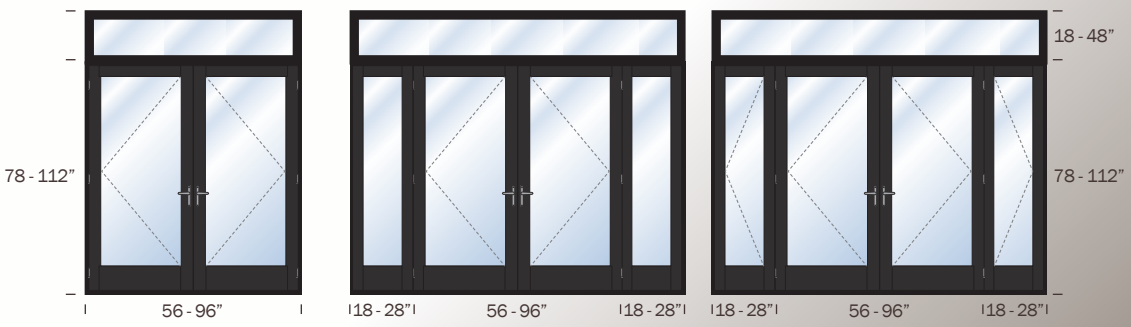
SWO or SWI: XX



SWO or SWI:
SXXS, FXXF



SWO or SWI:
SXXS T, FXXF T



FRENCH SWING PATIO DOOR
OUTSIDE FEATURES & PERFORMANCE

SERIES T-5122



French Swing Patio Door features at a glance, inside view

01 *Mechanically joined frame and panels*

02 *Outstanding panel seal*

03 *Contemporary handles with key option available*

04 *High performance hinges*

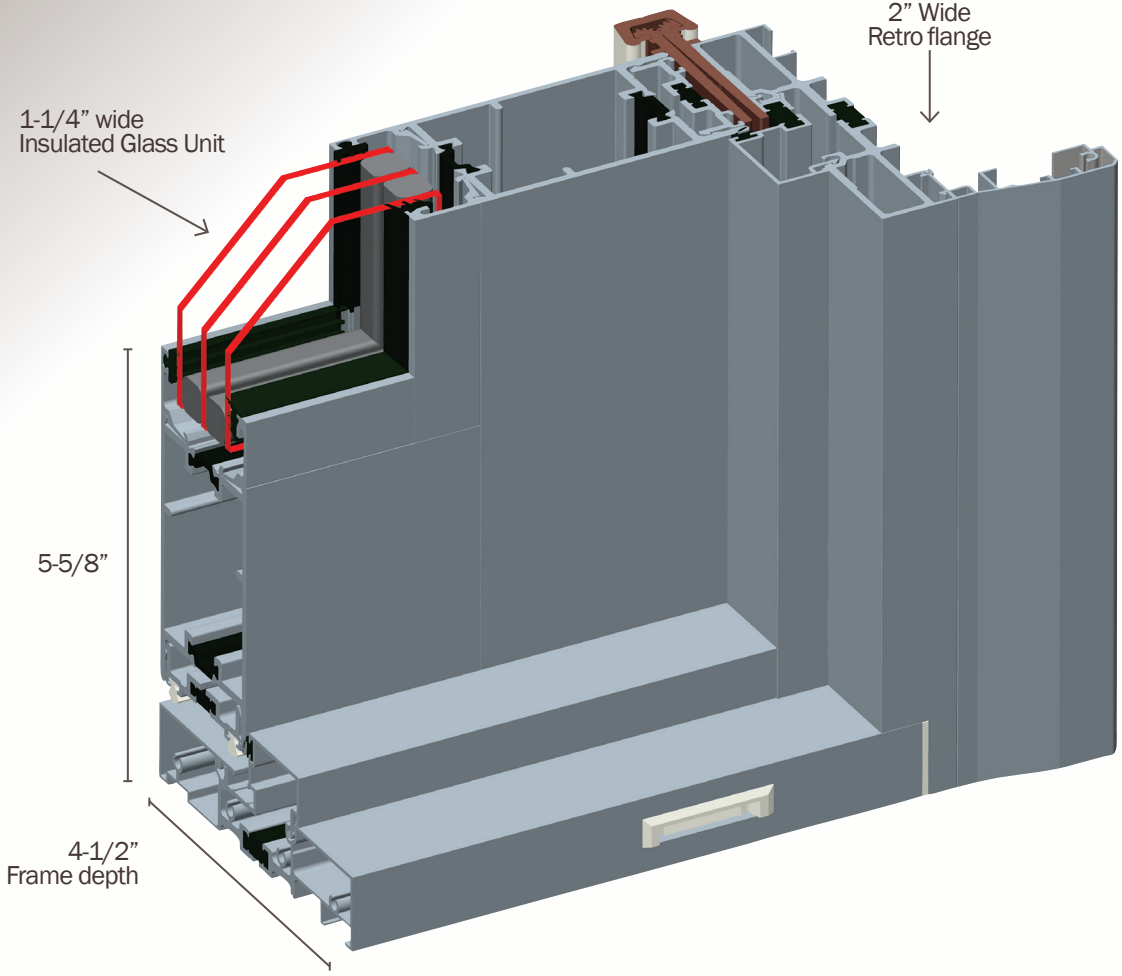
Residential French Swing Patio Door XX Thermal Performance

Glazing				Grids	U Factor	SHGC	VT	CR Condensation Resistance
Triple	3 mm LoE3	3 mm Clear	3 mm LoE3	None	0.38	.16	.28	CR 34
				<1”		.14	.24	
				>1”		.13	.20	

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

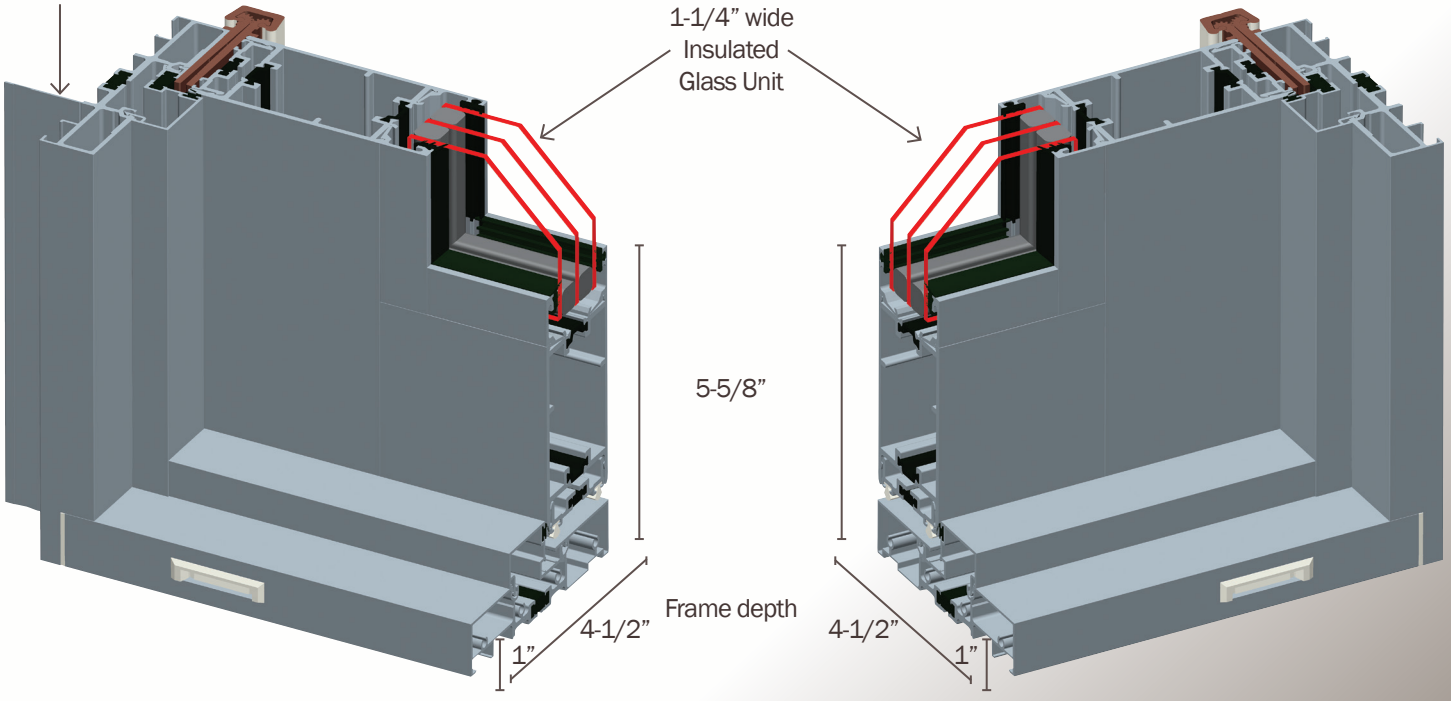
FRAME TYPES FOR ALL APPLICATIONS

Retrofit

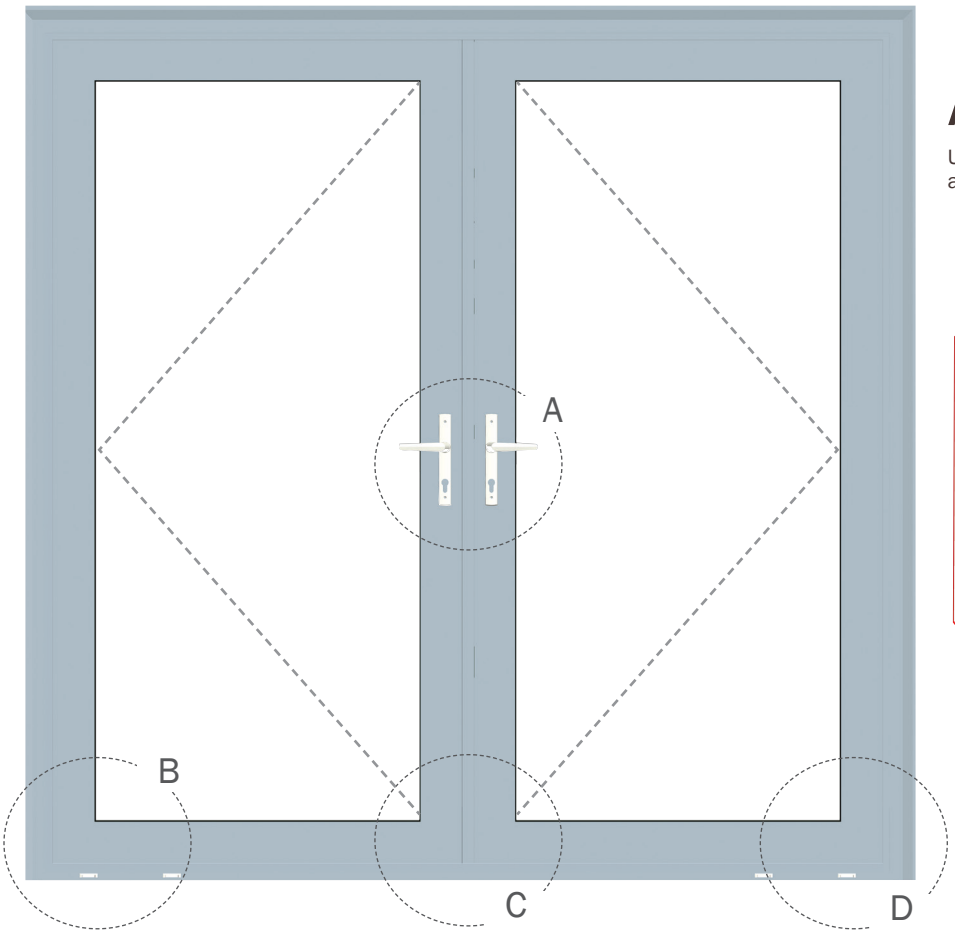


Nail-on

Block

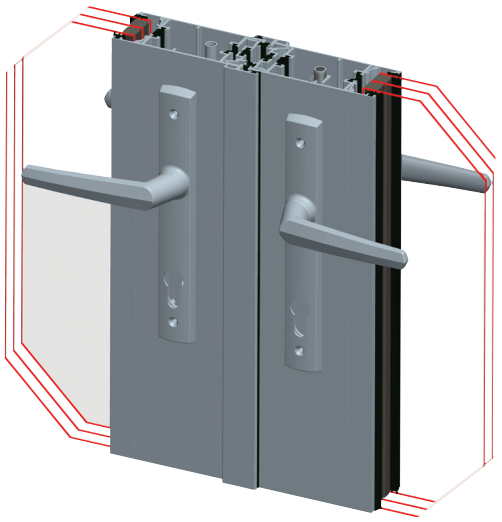


AL-R-SWP-5122 XX SWING DOOR DRAWING AND SECTIONAL DETAILS



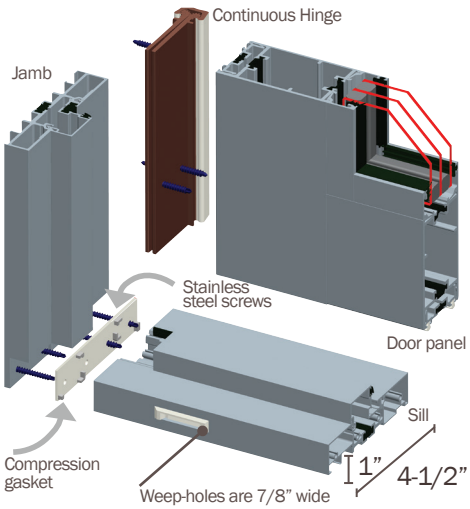
A Mortise lock and handle

Up to four security points with optimum seal compression and slim handles.



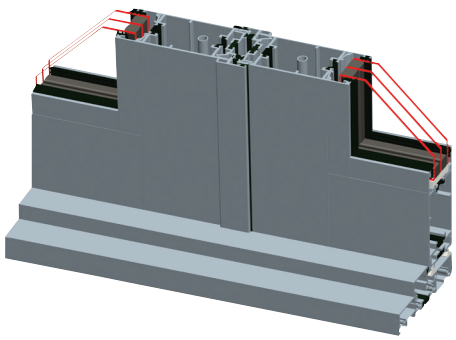
B Lower corners construction

Door frame is mechanically joined and features a compression gasket that allows for increased stability and tight seal. A continuous hinge delivers smooth effortless operation of heavy door panels and enhance structural integrity.



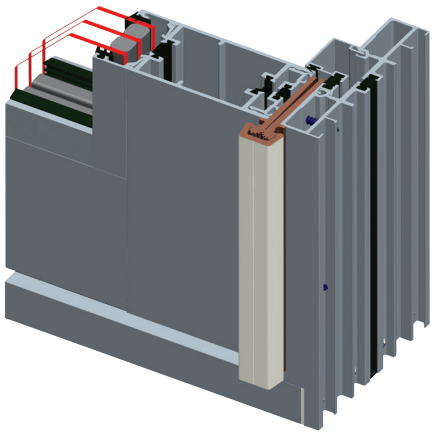
C Panel connection

Tight overlapping door panel seal. Active panel closes over inactive panel for secure tight seal.



D Lower Corner Inside View

Mechanically joined corner featuring stainless steel screws and continuous hinge.



SWING PATIO DOOR HANDLE & LOCKING SYSTEM

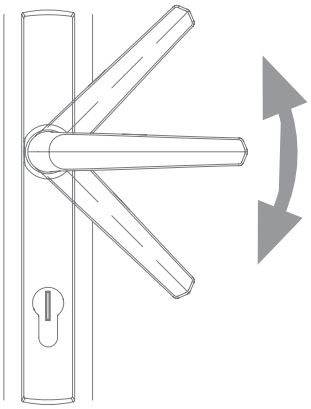
Lockwood Optimum Mortise Locking System

The Lockwood Optimum Mortise Lock offers a new and improved locking system. When deadlocked, the Optimum provides increased security with up to four points of locking. The shoot-bolt provides added security and seal compression.



Mortise Locking System Features

- Features four points of locking including the latch, deadbolt and shoot-bolts
- This lock generates optimum seal compression to provide improved water and air seal performance, especially for large panel doors
- Optional key is available
- New Zealand made



Handle Operation
Function:
1. To lock - turn key towards edge of door
2. To unlock - turn key away from edge of door
3. To throw shoot-bolts - lift handle up and release the lever (either when locked or unlocked)
4. To retract shoot-bolts, ensure lock is unlocked. Push lever down and release



French door continuous hinge system allows outstanding stability of door panels

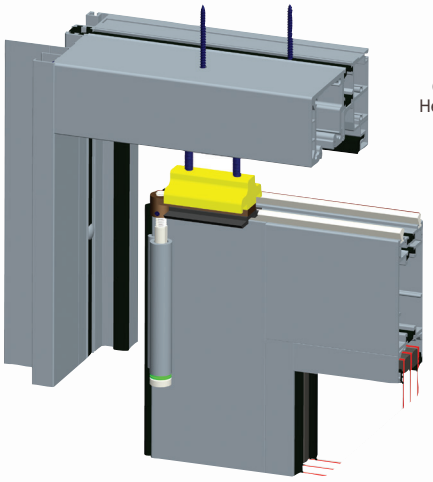
Concealed Continuous Hinges

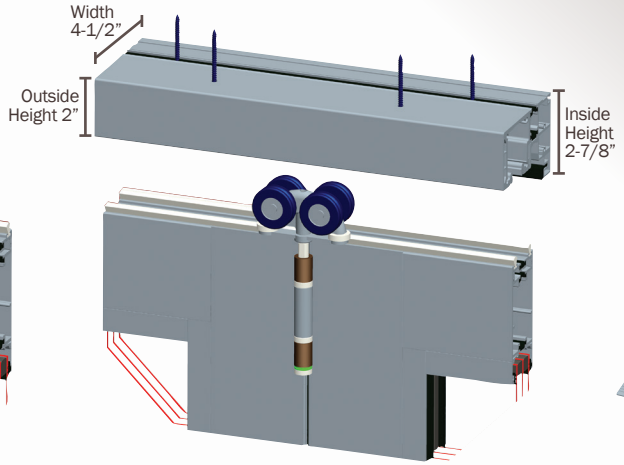
Value's French Swing Doors feature commercial grade continuous hinges which deliver a long service life.

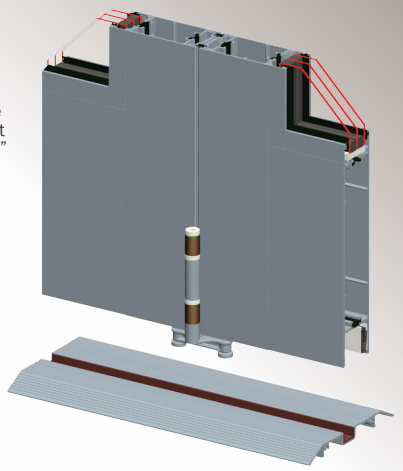
Our heavy duty continuous hinges are made of high strength aluminum with a full-length rolling gear profile to align doors perfectly from top to bottom. Special self-lubricating polyacetal load bearing blocks deliver smooth, almost floating operation on even the heaviest doors. Hinges are completely secure because all mounting hardware is hidden when closed and in the lock position.

Continuous Hinge Features and Benefits

- All Hinges are anodized after machining is done to provide longer life and reduce corrosion
- Precision extruded components deliver smooth operation and long service life.
- Our hole pattern is designed for targeted installation providing the required attachment points needed to carry the weight





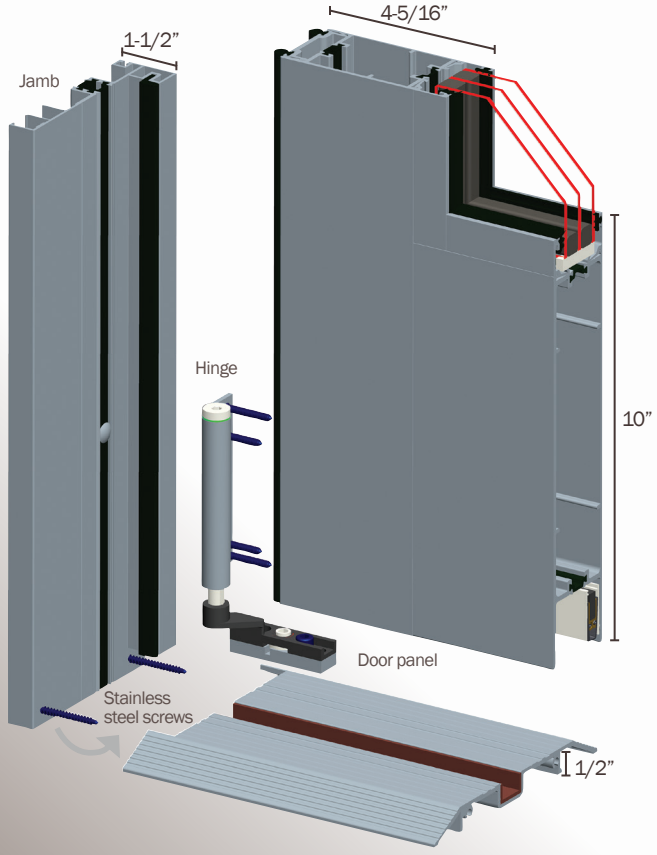


Stainless Steel Screws
Top hung panels feature Secure Fold system. The door head is firmly secured to the opening by stainless steel screws.

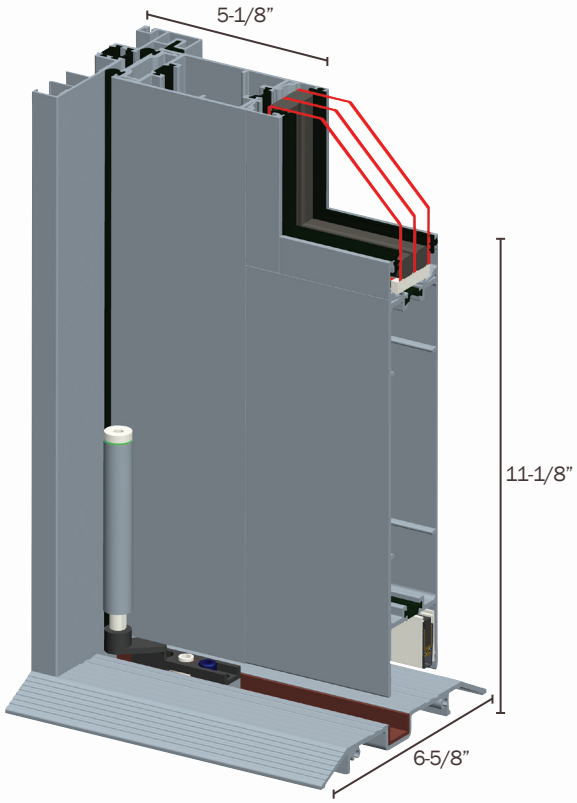
Hinge
Pivot hinges for top hung folding operation with most of their parts manufactured in stainless steel.

Sill and lower hinge
The door’s sill is firmly secured to the floor with stainless steel screws placed every 16-18”. Lower hinges allow for smooth folding action and movement of the door panels.

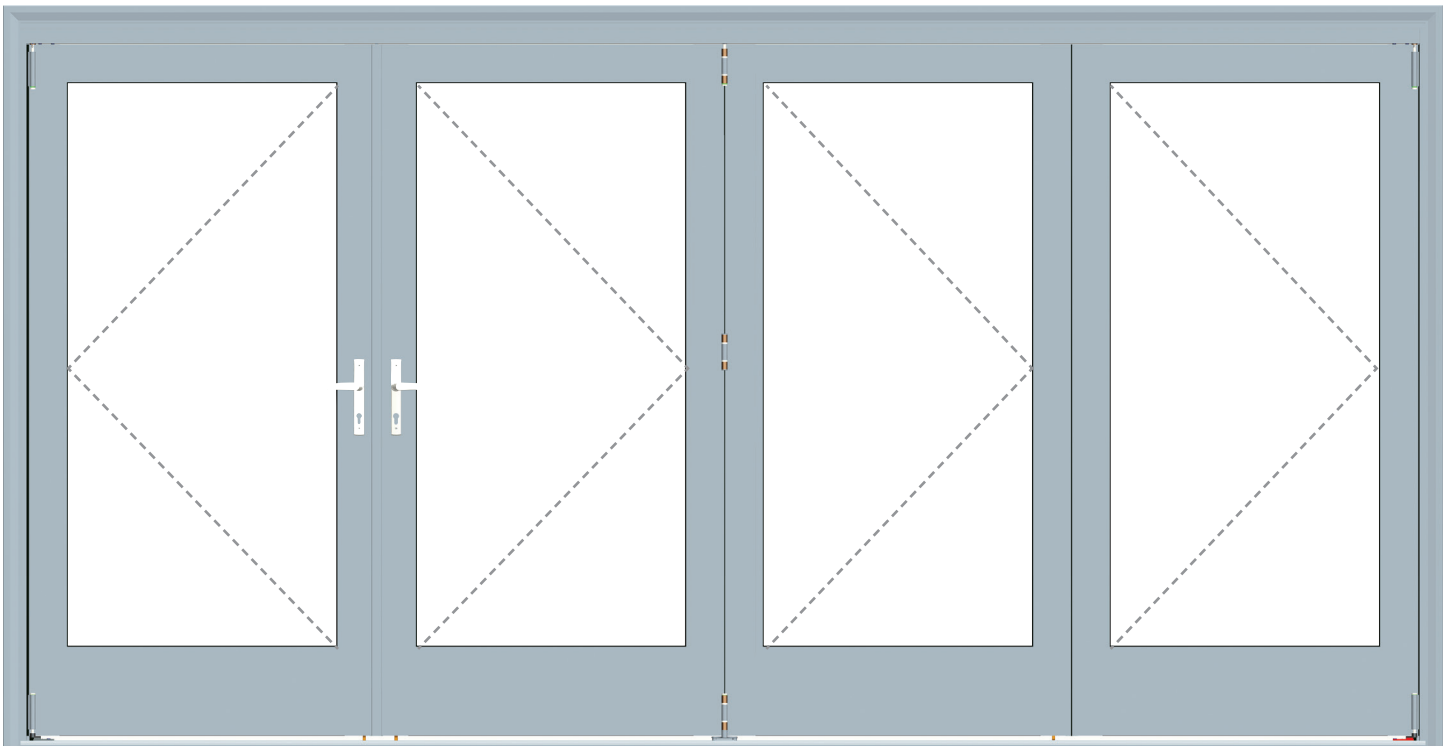
Lower Corner Construction



Lower Corner Inside View



COMMERCIAL THERMALLY BROKEN ALUMINUM BI-FOLD DOORS SERIES CT-5123



THERMALLY BROKEN ALUMINUM FOLDING DOORS FEATURES

Take a moment to learn about the outstanding features and benefits of our Thermally Broken Aluminum Folding Doors, which carry a Ten-Year Warranty for your peace of mind.

STANDARD COLORS*

Standard extruded aluminum colors are Bronze Anodized and Clear Anodized with matching hardware.

Bronze Anodized

Clear Anodized

OPTIONAL FINISHES*

Optional colors are Almond and White

Almond

White

*Color swatches are intended as a representation only and may vary due to printing limitations.

ADA Compliance **10” bottom rail** **1/2” sill height**

Durability and ease of use

- Heavy duty 0.1” thick, extruded aluminum
- 20 mil anodizing thickness
- Frame and panels are mechanically fastened
- Heavy-duty replacement flange is 2” wide
- 1-3/8” nailing fin setback
- Optional Super spacer with a secondary butyl seal
- No excess mullions
- Panels feature pivot hinges on the top
- Flush panel stacking and out-swing operation
- 10” interlocking rail profile
- 4-1/2” wide stiles and jamb
- Flush, weather resistant sill
- Low profile handle allows for effortless operation
- Twin bolt lock with up to four point of locking for increased security and tight seal
- Maximum of 6 panels folding on each direction
- Head, track and sill feature anodized material
- Screen: Optional

Enhanced energy efficiency

- Beveled, multi-chambered extruded aluminum featuring thermal breaks
- 6-5/8” frame depth
- 4-1/4” depth panel extrusion
- Optional Duralite spacer
- Full double weather stripping
- 1-1/4” dual pane insulated glass unit featuring LoE3 glass is standard
- Optional triple pane glass
- Argon gas filled glass chambers

Available Styles

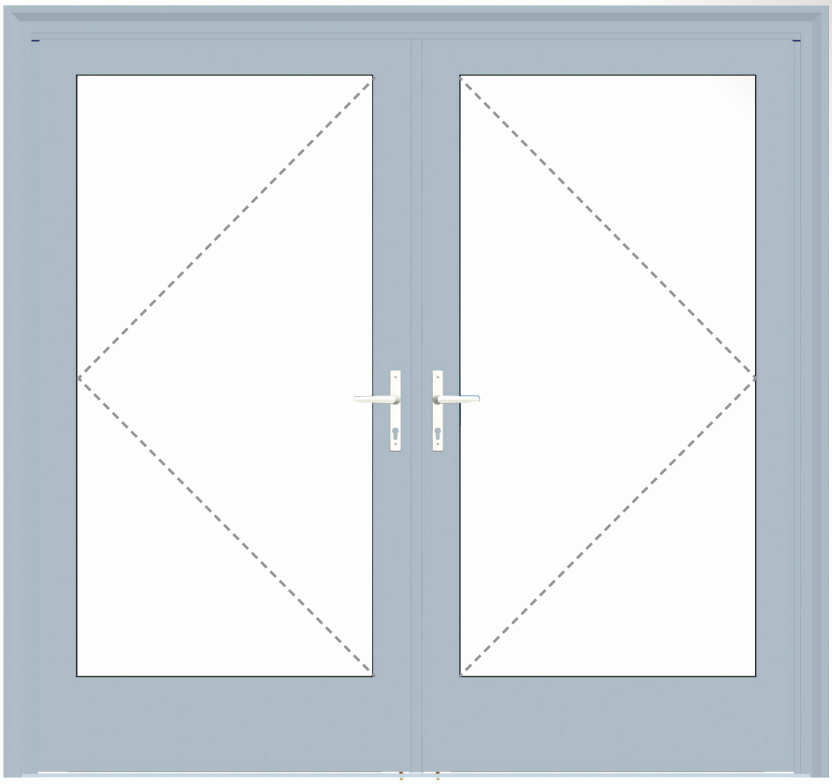
- For a list of available styles please refer to page 40

Commercial Folding Door 1+2L Thermal Performance

Glazing				Grids	U Factor	SHGC	VT	CR Condensation Resistance
Triple	3 mm LoE3	3 mm Clear	3 mm LoE3	None	0.47	.15	.26	CR 25
				<1”		.14	.22	
				>1”		.12	.19	

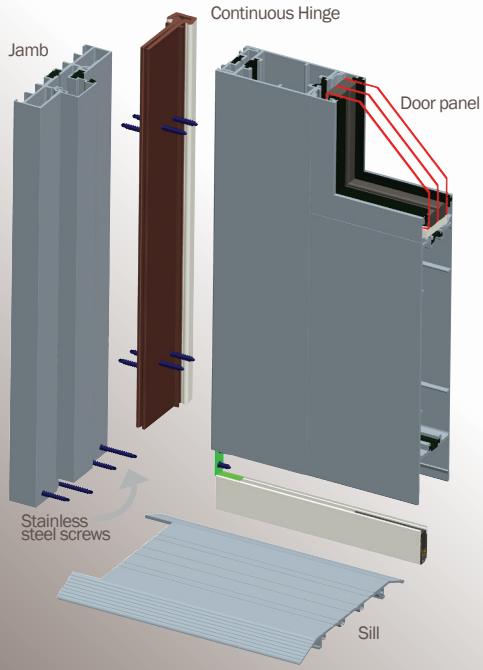
As tested with LoE3 glass and Argon gas filled combined with clear glass.

COMMERCIAL SWING PATIO DOOR OUTSIDE VIEW

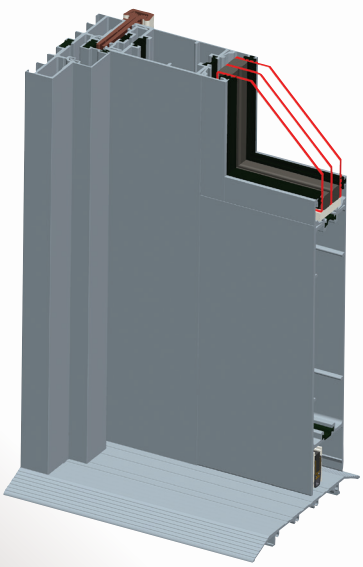


OUTSTANDING CONSTRUCTION AND PARTS

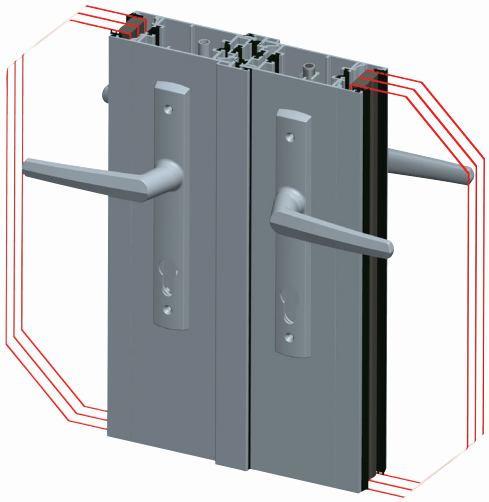
Lower Corner Construction



Lower Corner Outside View

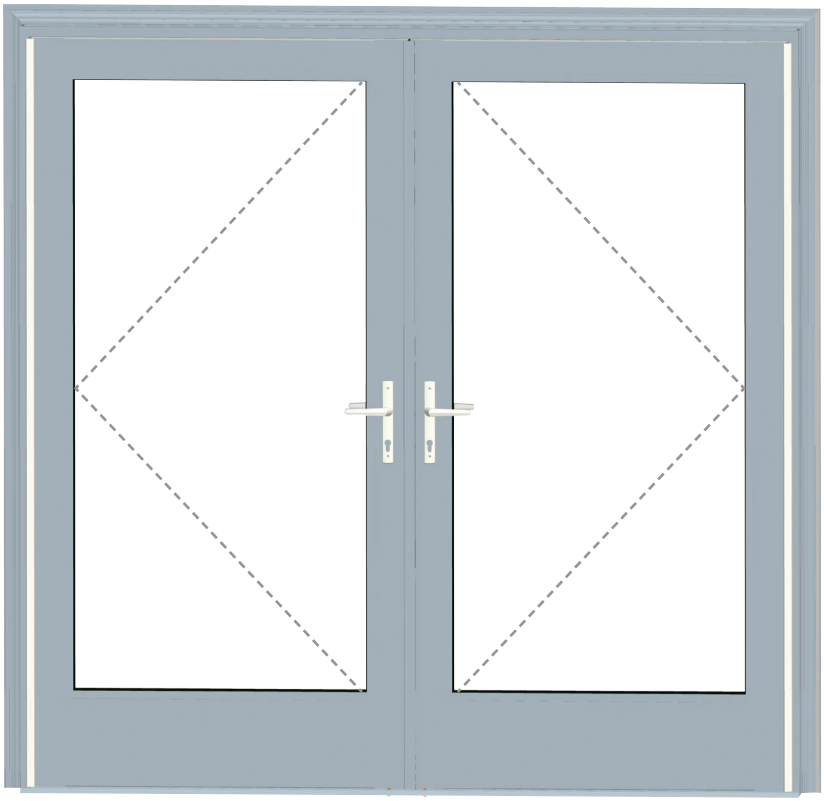


Mortise lock and handle



Up to four security points with optimum seal compression and slim handles.

ADA Compliance **10” bottom rail 1/2” sill height**



Commercial swing patio door inside view

Commercial solutions for projects that require ADA compliance. Commercial Thermally Broken Aluminum French Swing Patio Doors, which carry a Ten-Year Warranty for your peace of mind.

COMMERCIAL THERMALLY BROKEN ALUMINUM FRENCH SWING PATIO DOORS FEATURES

Durability and ease of use

- Heavy duty 0.1” thick, extruded aluminum
- 20 mil anodizing thickness
- Even sight lines
- Frame and sashes are mechanically fastened
- Heavy-duty replacement flange is 2” wide
- 1-3/8” nailing fin setback
- 2” deep panel extrusion
- 4-5/16” jamb width
- Optional Super spacer with a secondary butyl seal
- High performance, heavy duty hinges
- Contemporary and ergonomically designed handle
- Locking system is corrosive resistant and provides remarkable forced entry resistance
- In-swing and out-swing operation

Enhanced energy efficiency

- Beveled, multi-chambered extruded aluminum featuring thermal breaks
- 4-5/16” frame depth
- Optional Duralite spacer
- Full double weather stripping helps prevent elements infiltration
- 1-1/4” dual pane insulated glass unit featuring LoE3 glass is standard
- Optional triple pane glass
- Argon gas filled glass chambers

Available Styles

- For a list of available styles refer to page 54

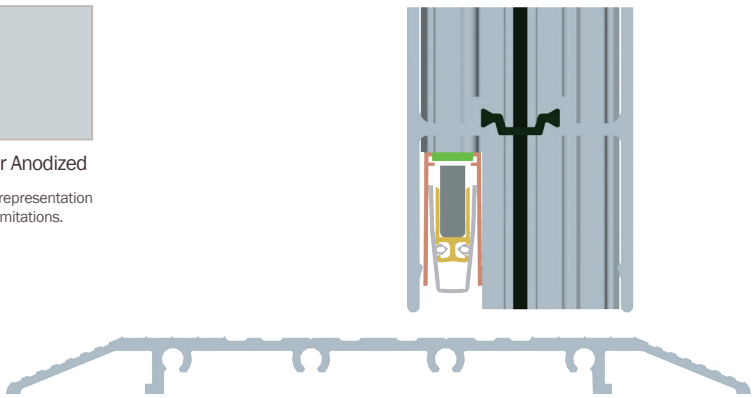
STANDARD COLORS*

Standard extruded aluminum colors are Bronze Anodized and Clear Anodized with matching hardware.



Bronze Anodized Clear Anodized

*Color swatches are intended as a representation only and may vary due to printing limitations.



Commercial Swing Door XX								
Glazing				Grids	U Factor	SHGC	VT	CR Condensation Resistance
Triple	3 mm LoE3	3 mm Clear	3 mm LoE3	None	0.41	.15	.26	CR 33
				<1”		.13	.22	
				>1”		.12	.19	

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



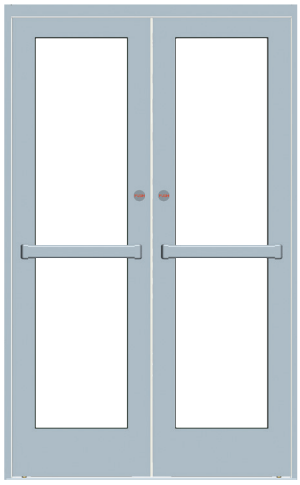
ALUMINUM
STORE FRONT & MATERIAL PROFILES



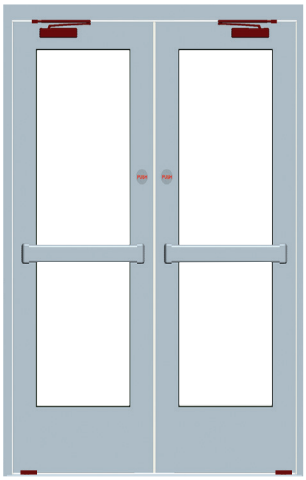
ALUMINUM STORE FRONT DOORS STYLES

All doors are available with and without glass

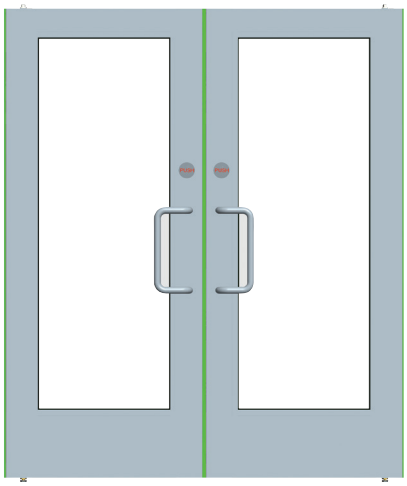
CENTER PIVOT DOOR



OFFSET PIVOT DOOR



STANDARD COMMERCIAL TWO WAY DOOR



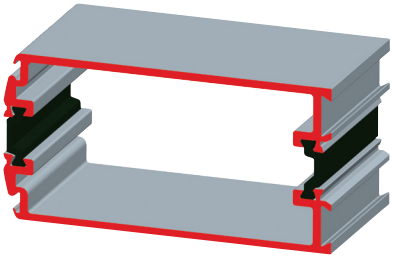
STORE FRONT DOOR PROFILE WIDTHS

STANDARD COLORS*

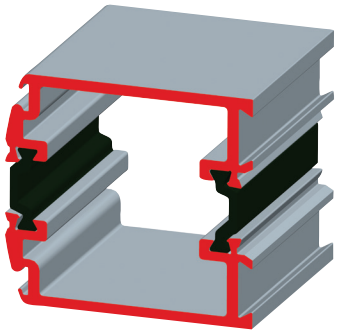
Standard extruded aluminum colors are Bronze Anodized and Clear Anodized with matching hardware.

Bronze Anodized

Clear Anodized



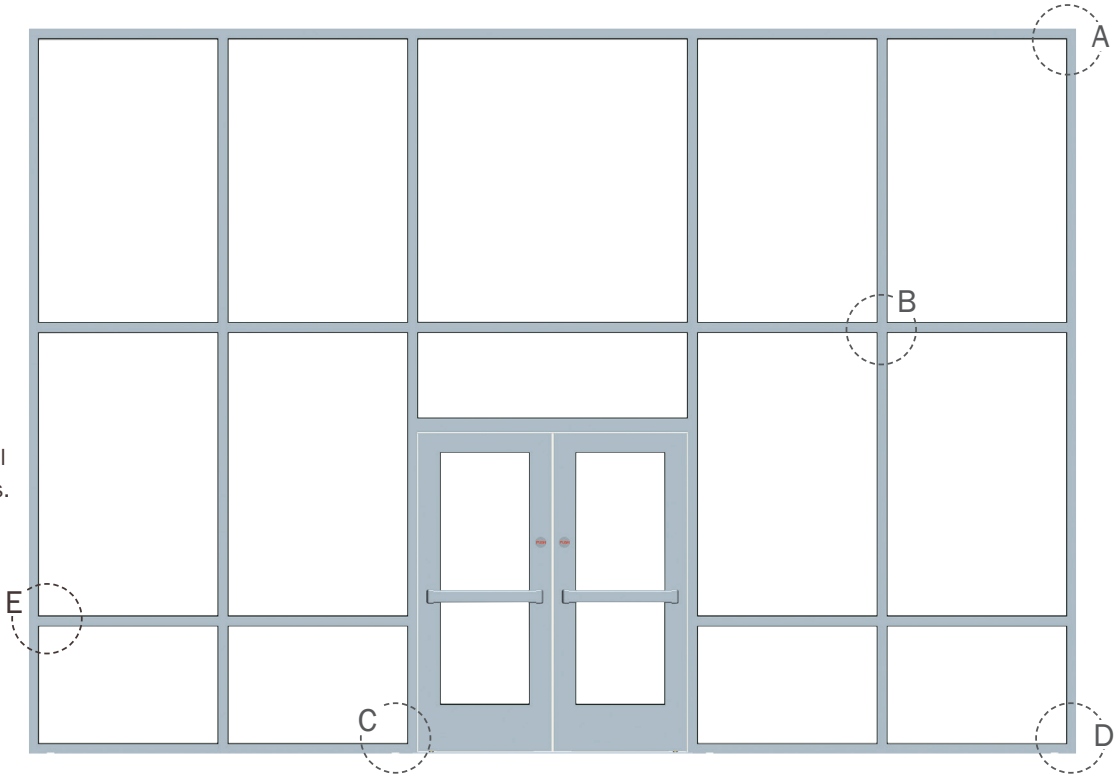
H1 4-7/8”



H3 3”

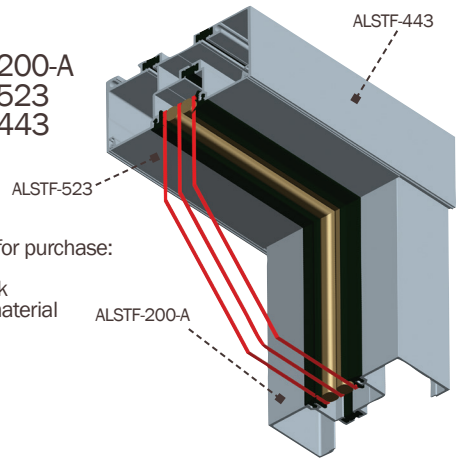
CENTER PIVOT DOOR

- This door style operates through an overhead concealed opener with no hinges and can open up to 120°. The overhead door closer kits consist of a medium spring size door closer, mounting clips, adjustable dual-purpose bottom pivot set. The door closer has independent, dual-action valves to control closing and latching speeds.
- Doors features a flush bolt locking system which can secures and locks the inactive door.
- Panic exit handle



A

ALSTF-200-A
ALSTF-523
ALSTF-443



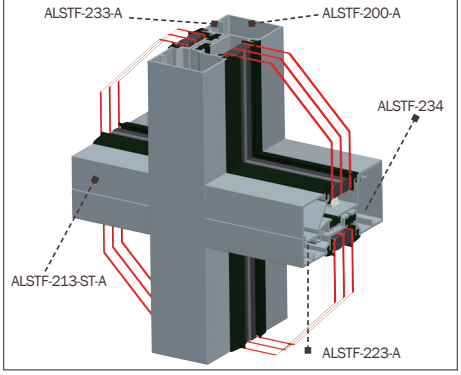
Available for purchase:

- Stock link
- Precut material

B

ALSTF-200-A, ALSTF-233-A, ALSTF-213ST-A, ALSTF-234

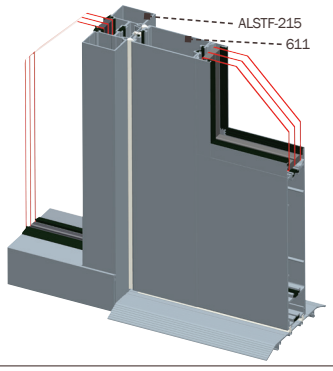
Available for purchase:
- Stock link
- Precut material



C

ALSTF-215, 611

Available for purchase:
- Stock link
- Precut material

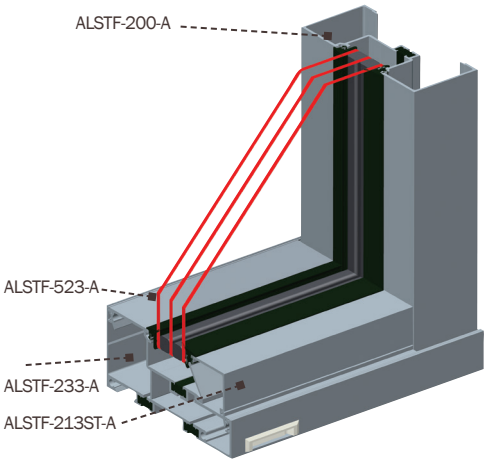


D

ALSTF-200-A
ALSTF-523-A
ALSTF-233-A
ALSTF-213ST-A

Available for purchase:

- Stock link
- Precut material

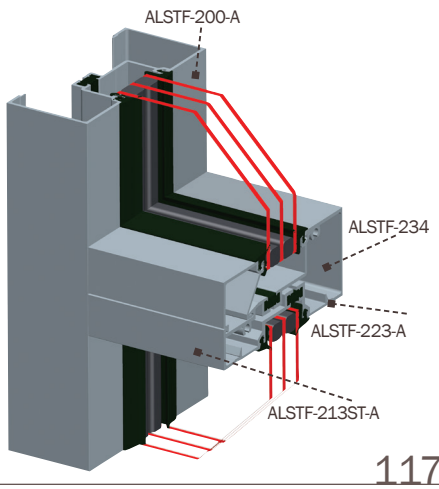


E

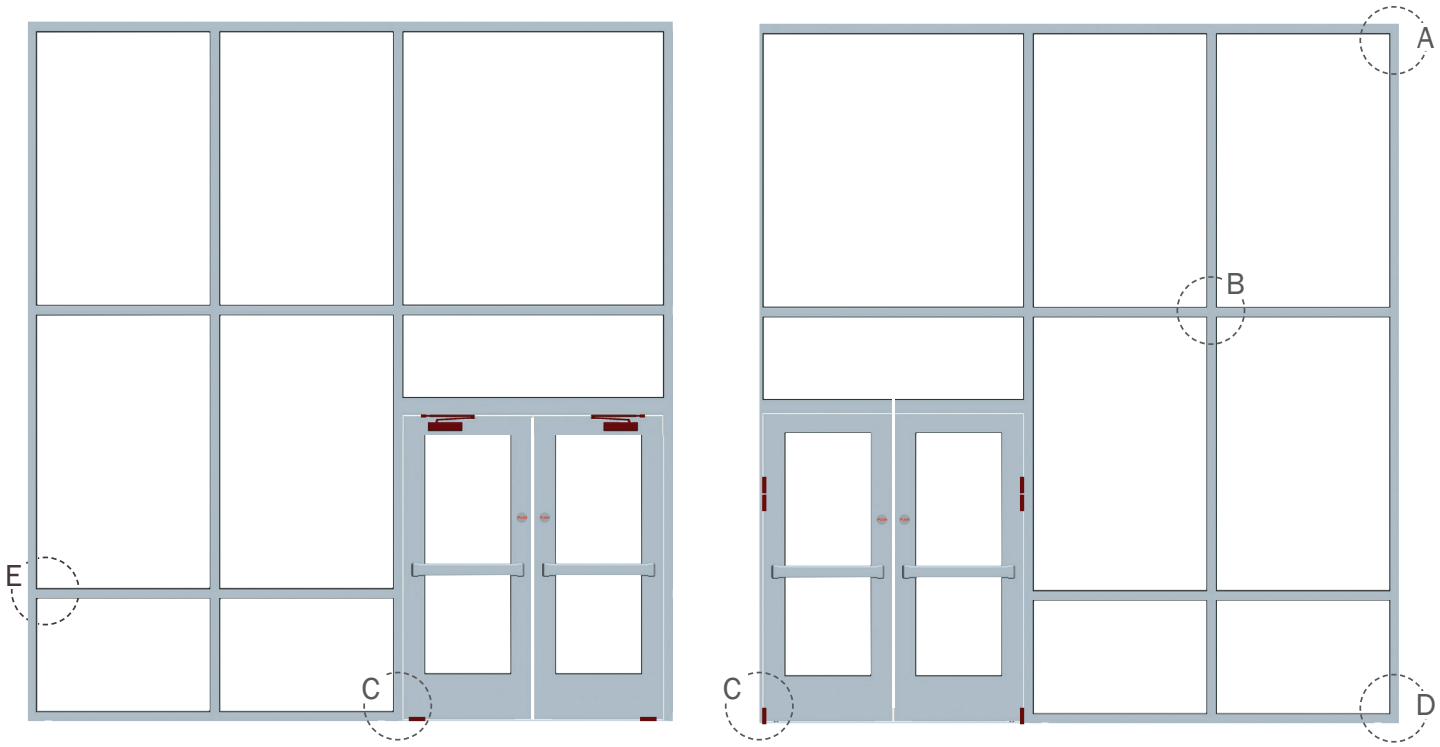
ALSTF-200-A
ALSTF-234
ALSTF-223-A
ALSTF-213ST-A

Available for purchase:

- Stock link
- Precut material



OFFSET CENTER PIVOT DOOR



OPTION A

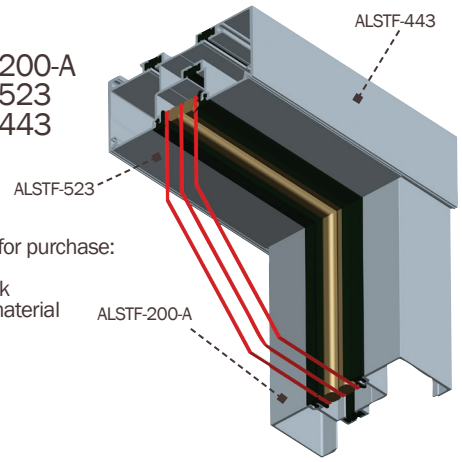
- Adjustable spring power surface mounted door closer allows door to open up to 90 °
- This versatile closer can be adjusted to accommodate doors from 24" through 54" and up to 264 pounds
- A barrier-free, low opening resistance model is available for ADA opening force ADA requirements
- Closing and latching speed controls are independently adjustable to prevent damage to the closer in case of violently swung open due to wind or heavy traffic
- Allows for universal installation for regular top jamb or parallel arm applications

OPTION B

- Made of extruded aluminum
- Fastening using anchor screw, screw anchor or section reinforcement plates 15 and 21 mm
- Two pivoting points: 20 mm and 36 mm
- Load capacity depending on profile section design, max. 140 kg
- (2-piece), max. 220 kg (3-piece)
- Door leaf adjustable in six directions:
  · Horizontal adjustment, variable up to ± 2.5 mm
  · Vertical adjustment using integrated lifting and lowering spindle, raising + 3 mm, lowering – 2 mm
- Sealing pressure ± 0.5 mm and can be adjusted without removing the door panel
- Doors open up to > 180°
- Bearing point maintenance-free
- All metal parts of these hinges are protected against corrosion
- Automatic closing mechanism

A

ALSTF-200-A
ALSTF-523
ALSTF-443

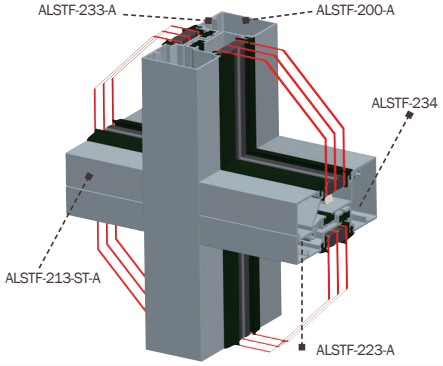


Available for purchase:

- Stock link
- Precut material

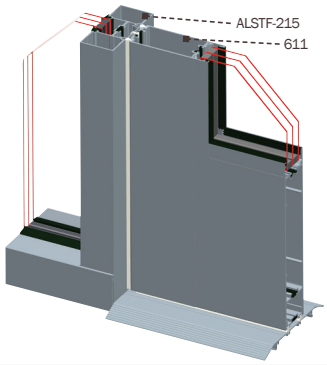
B ALSTF-200-A, ALSTF-233-A, ALSTF-213ST-A, ALSTF-234

Available for purchase:
- Stock link
- Precut material

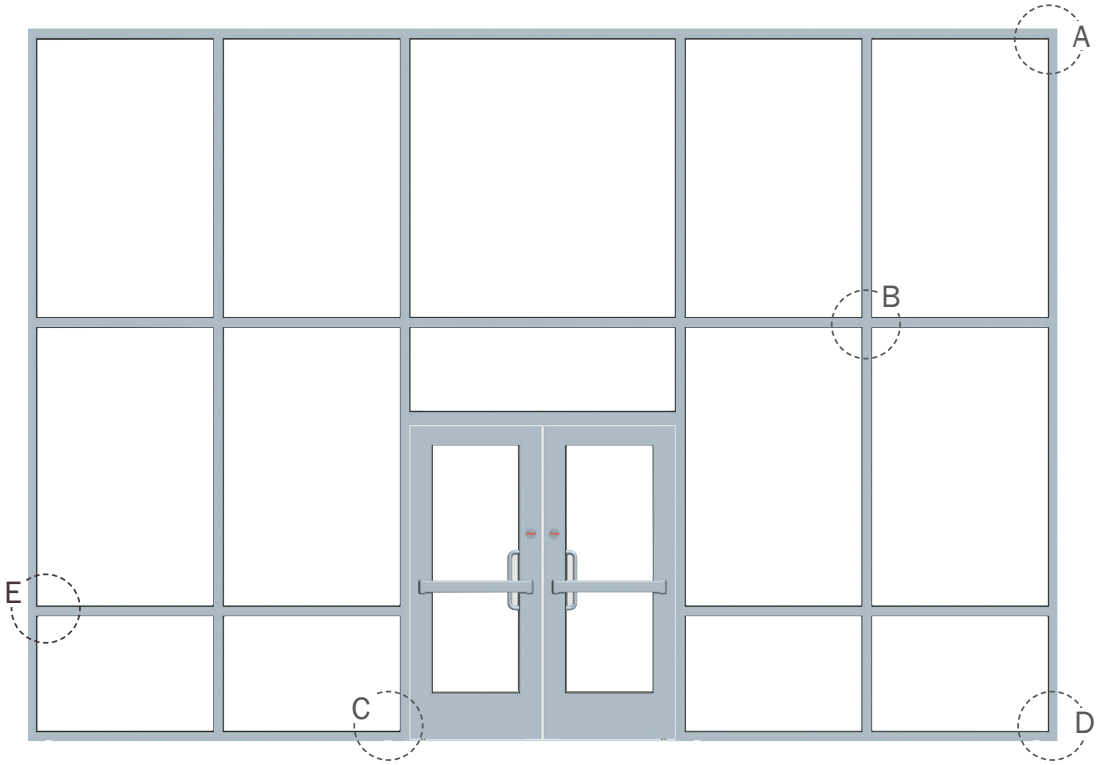


C ALSTF-215, 611

Available for purchase:
- Stock link
- Precut material



STANDARD COMMERCIAL TWO WAY DOOR

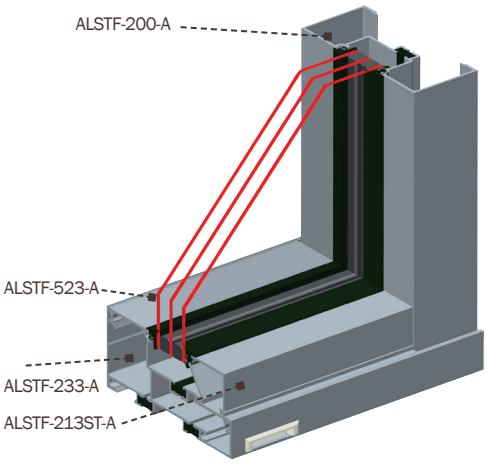


D

ALSTF-200-A
ALSTF-523-A
ALSTF-233-A
ALSTF-213ST-A

Available for purchase:

- Stock link
- Precut material

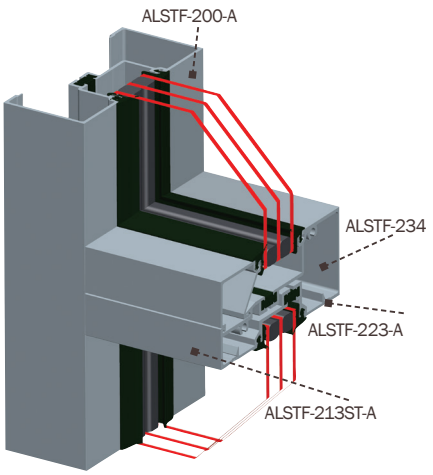


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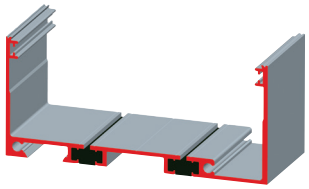
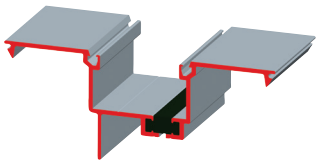
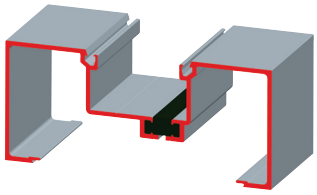
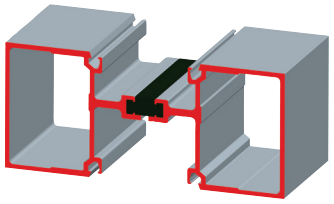
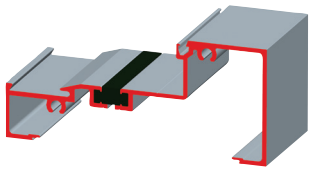
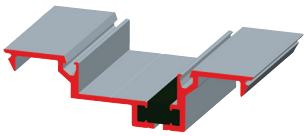
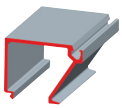
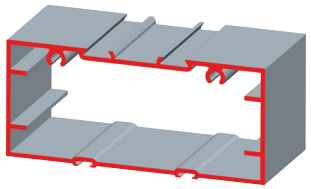
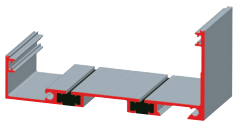
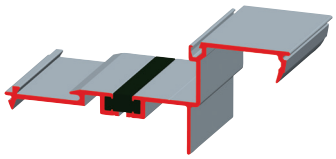
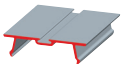
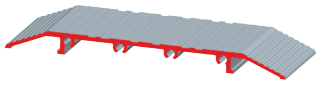
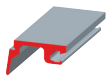
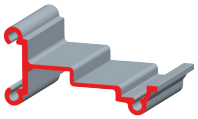
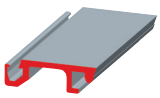
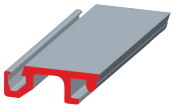
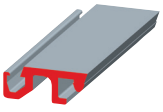
ALSTF-200-A
ALSTF-234
ALSTF-223-A
ALSTF-213ST-A

Available for purchase:

- Stock link
- Precut material



ALUMINUM STORE FRONT & MATERIAL PROFILES

ALSTF-443	ALSTF-523	ALSTF-200-A	ALSTF-215
			
ALSTF-234	**ALSTF-223-A**	**ALSTF-213ST-A**	**ALSTF-245**
			
ALSTF-233-A	**ALSTF-523-A**	**ALSTF-611**	**ALSTF-NB**
			
ALSTF-12	**ALSTF-12-1**	**ALSTF-12-4**	**ADG-1**
		 1:1 	 1:1 
ALSTF-203CL	**ALSTF-0250**	**ALSTF-375**	**ALSTF-0500**
	 1:1 	 1:1 	 1:1 

Images are for illustration purposes only.



Our elegant tubular access control handles give a maximum viewing area and a contemporary look when used on 1/2" or 3/4" (12 or 19 mm) tempered glass doors. They provide a solution to the strict Americans with Disabilities Act (ADA) Codes.

The interior portion of the device is a slender 1-1/4" (32 mm) tube stretching across the door and then gently turning upwards to the top of the door, eliminating any interference at the lower half of the door, which must remain clear of obstructions to pass ADA demands.

The operating mechanism is completely concealed within the tube and retracts a roller latch bolt at the top of the door when pushed gently. The outside handles match and complement the door operation.

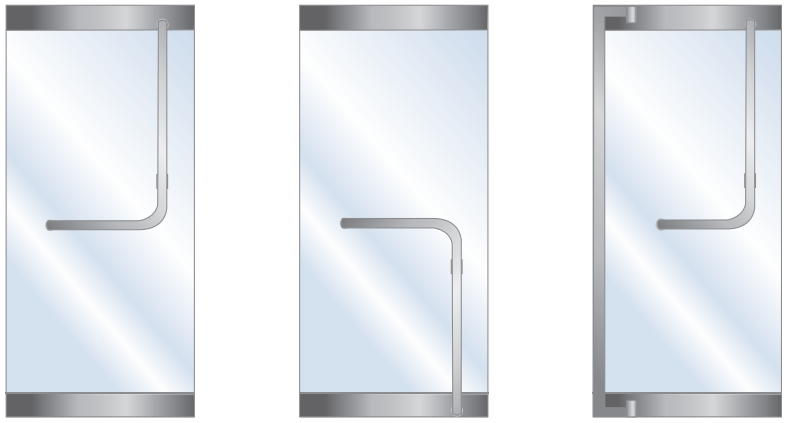
This handle system features a 'dogging' feature that allows locking the device in the open position by just sliding a lever, giving free access during business hours. They also can be used in conjunction with an Electric Strike, allowing for remote key-less entry.

We also offer Handle options for projects in which ADA Codes are not a concern. These Handles are of the same sleek design as the ADA compliant series, except they stretch across the door and then bend downward to the bottom of the door, latching at the floor or threshold.

All of our Store Front Handles go through rigorous testing before they are installed on our doors, ensuring a high quality, dependable operation for years to come.

STORE FRONT HANDLES OPTIONS

Standard Interior Configurations for Access Control Handles



Exterior Access Control Handle Combination Options



Handle A | Handle D | Handle B



Handle C | Handle E | Handle F | Handle G | Handle H | Handle J



Handle J-S | Handle K | Handle K-S | Handle L | Handle L-S | Handle M



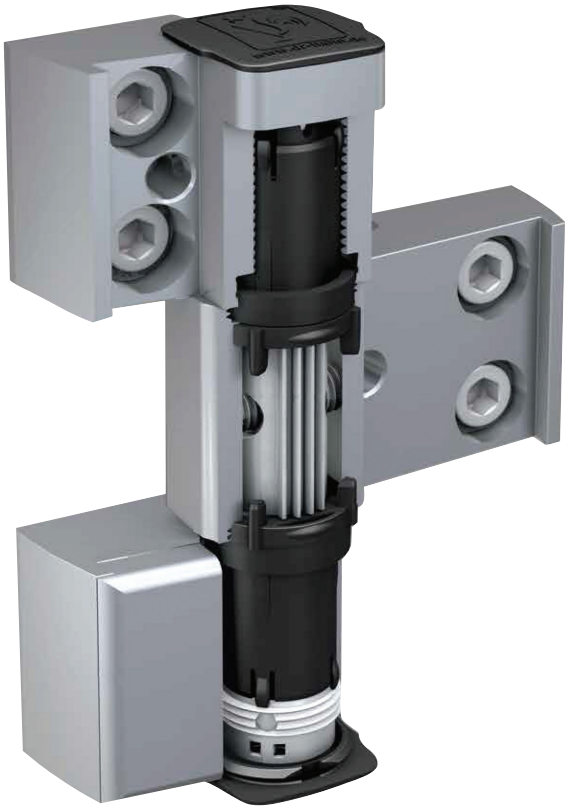
Handle M-S | Handle N | Handle P | Handle X | Handle Y

Dr. Hahn®
HINGES. MADE IN GERMANY.

Hahn Series 60 AT Hinges for Store Front Doors

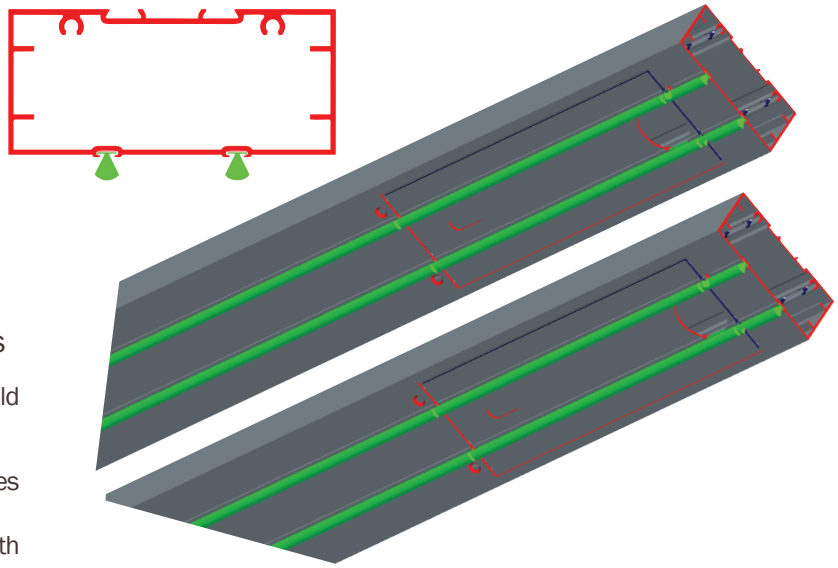
Hahn Series 60 AT hinges are durable and always remain stable even when subject to intensive use. Both parts of the hinge are equipped with a low-maintenance bearing bushing. That improves the anti-friction properties for several hundred thousand cycles. Moreover, it can be adjusted in six directions – by one person and without having to loosen the fastening screws, and now even when the door panel is already installed.





- Made of extruded aluminum
- Fastening using anchor screw, a screw anchor or section reinforcement plates 15 and 21 mm
- Two pivoting points: 20 mm and 36 mm
- Load capacity depending on profile section design, max. 140 kg
- (2-piece), max. 220 kg (3-piece)
- Door leaf adjustable in six directions:
  · Horizontal adjustment, variable up to ± 2.5 mm
  · Vertical adjustment using integrated lifting and lowering spindle, raising + 3 mm, lowering – 2 mm
- Sealing pressure ± 0.5 mm and can be adjusted without removing the door panel
- Doors open up to > 180°
- Bearing point maintenance-free
- All metal parts of these hinges are protected against corrosion
- Automatic closing mechanism

Prepared Door Headers for Stock Center Pivot Store Front Doors



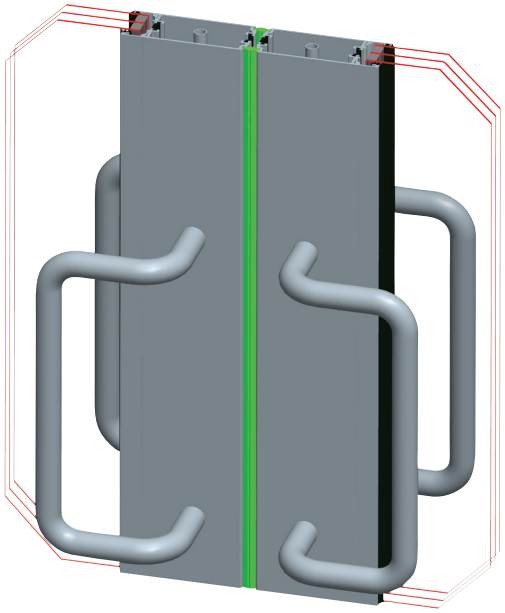
Fabricated Door Headers for Stock Center Pivot Doors With Overhead Concealed Closers

- Non-Handed, Single and Double Door Headers

Single and Double Door Headers are fabricated to hold overhead concealed door closers.

Headers are carried in three stock sizes, and custom sizes can be special ordered
Headers are supplied with snap-in cover plates with weatherstripping

Offset Pull Handles for Back-to-back Store Front Doors

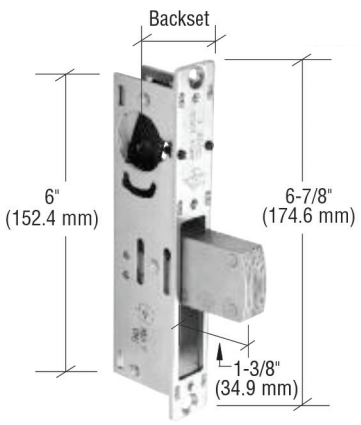


- 1” (25 mm) diameter solid aluminum
- Available in two lengths
- Five Architectural Finishes

Extruded solid aluminum 1” diameter offset pull handles have an overall projection height of 3-1/4” (83 mm) and an offset clearance of 2-1/4” (57 mm). Handle sets include mounting hardware for back-to-back installation.

INTERLOCK
ASSA ABLOY

Adams Rite Long Throw Deadlocks for Store Front Doors



- 1-3/8” (34.9 mm) Throw
- Cylinder Back-sets: 31/32” or 1-1/8” (24.6 or 28.6 mm)

Throw bolt made of 8-ply laminated stainless steel. The center ply has alumina-ceramic core to defeat any hacksaw attack, including rod-type “super hacksaws.”
Lock accepts standard 1-5/32” (29.4 mm) diameter mortise key or thumb-turn cylinders with AR MS-Type Cam. Face-plates are optional.

Cardinal Glass

Since 1962, Cardinal's mission has been to provide the highest quality glass products for residential windows throughout the world.

Cardinal Industries is our trusted glass provider, from energy efficient glass to annealed and tempered options we, rely on Cardinal's products to manufacture high quality insulated glass units.

Energy efficiency is all about maintaining optimal temperatures with minimal energy loss. With Cardinal LoE^3 glass installed window heat can be dramatically reduced. This helps keep your home cool and comfortable. Ordinary window glass simply does not compare.

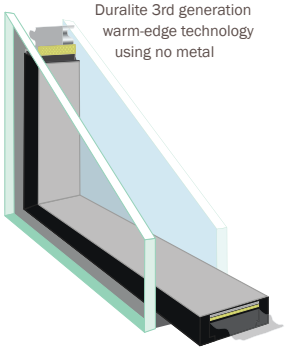
In cold weather months, heating costs increase energy consumption. Usually, 75% of an exposed window is glass. This directly affects the temperature inside. Better insulation will keep your home warmer and heating cost down.

Cardinal's LoE^3 glass provides outstanding protection against fading and ultraviolet damage, substantially blocking harmful rays will help avoid sun damage and fading inside the home. Visible light still shines through for brightness without significant darkness or tinting effects.

enviro sealed windows and doors
Powered by Duralite®

Warm Edge Technology.
Duralite spacers 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.

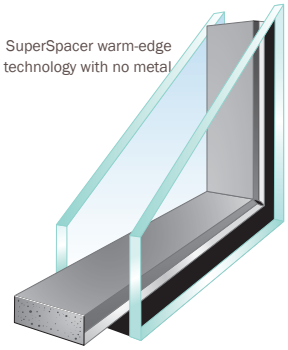
- Composite laminating technology
- Polycarbonate spacer element, no metal
- Unique patented design
- Smooth surface appearance
- Black sight line
- Proven adhesive technology
- Superior argon gas retention
- Lower conductivity polymeric warm edge spacer
- Improved condensation resistance
- Warmer edge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


Duralite 3rd generation warm-edge technology using no metal

SustainaView® Window Technology
Powered by Super Spacer®

Warm Egde Technology
Super Spacer® Standard is extruded as a flexible organic warm edge spacer. Its polymer EPDM (ethylene-propylene-diene-monomer) is well-known for its excellent resistance to ozone, weathering, water and aging, while maintaining its flexibility through wide changes in temperature and barometric pressure.

- Low conductivity, EPDM construction
- Edge-seal durability
- Multi-layer vapor barrier and acrylic adhesive
- Pleasing aesthetic appearance
- Superior argon gas retention
- Optimized energy savings
- Excellent condensation resistance
- Outstanding mold resistance and color stability
- Exceptional durability for sustainable performance
- Warmer edge of glass temperature


SuperSpacer warm-edge technology with no metal

INTERLOCK
ASSA ABLOY

With generations of experience in designing, manufacturing and distributing window and door hardware across the globe, the collective ingenuity of the team at Interlock USA has been decades in the making. Perhaps best known as the inventor of the automatic sash lock system for vinyl windows, Interlock specializes in working closely with window and door manufacturers to create innovative hardware designs that differentiate their products from the competition.

Through innovative design, superior technical support and personalized service, Interlock creates unique, sophisticated hardware solutions that consistently hit the mark with consumers—both in form and function.

Dr. Hahn®
HINGES. MADE IN GERMANY.

With worldwide resources through ASSA ABLOY, and partnerships with globally recognized companies such as the SIEGENIA-AUBI Group (SIEGENIA-AUBI & KFV), Dr. Hahn and Brio, Interlock USA provides comprehensive, solutions for window and door manufacturers throughout North America. With a global foot print, Interlock ASSA Abloy provides high quality hardware for several window and door applications.

Interlock USA is proud to be a member of the American Architectural Manufacturers Association (AAMA).

SUMMARY

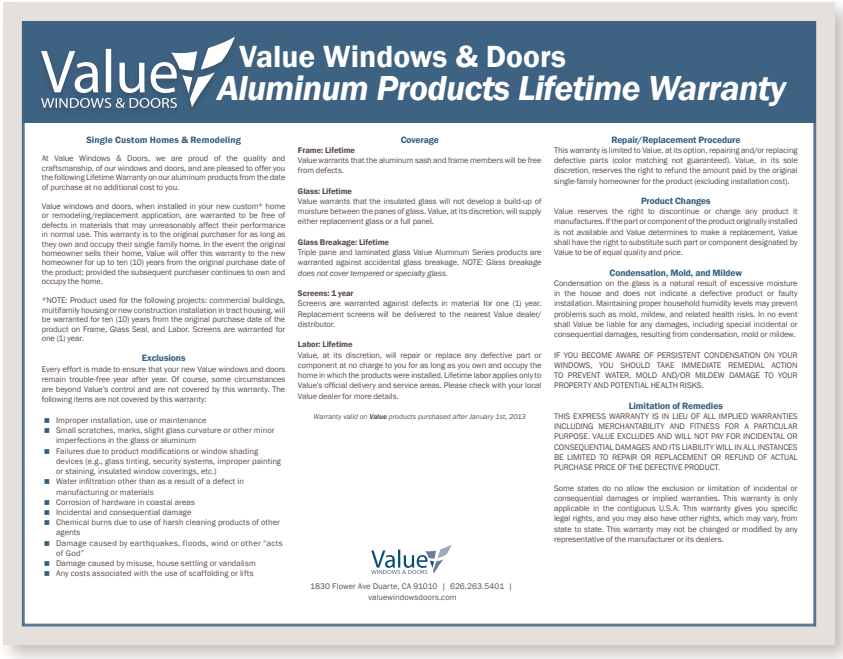
Value Windows and Doors Inc provides the most flexible solutions to every window and door needs. Our very innovative and creative Design and Engineering team create window styles and configurations that one would think are not possible.

Inspired by German technology, business philosophy, and ethics, we have adopted the state of the art ERP Data Management Software for Excellent and Efficient management of all aspects of our operation; from design, engineering, purchasing, material inventory, production with precision and on time shipment of superior windows and doors.

Our CEO's unique business model caters to every segment of the window and door industry that allows us to have a solid financial threshold and enables our longevity in the market.

Whether you are an Investor considering to build a resort community by the beach; an Architect in the process of writing specifications for a Hotel or a Commercial building; a Builder planning on building a Community of Multi-Track Homes; a General Contractor about to break ground on a Multi-Story Apartment Complex; a Sub-Contractor bidding on Windows and Doors for a high-end custom home in a plush community; a Window Dealer who wants to increase your bottom line; or even a homeowner thinking of upgrading your windows into energy efficient ones with the goal of saving money on your energy bills; Value Windows and Doors, Inc. is the company that can serve all your window and door needs with quality products and an excellent personalized customer service.

OUR COMMITMENT TO YOU



Value WINDOWS & DOORS

Value Windows & Doors
Aluminum Products Lifetime Warranty

Single Custom Homes & Remodeling

At Value Windows & Doors, we are proud of the quality and craftsmanship, of our windows and doors, and are pleased to offer you the following Lifetime Warranty on our aluminum products from the date of purchase at no additional cost to you.

Value windows and doors, when installed in your new custom* home or remodeling/replacement application, are warranted to be free of defects in materials that may unreasonably affect their performance in normal use. This warranty is to the original purchaser for as long as they own and occupy their single family home. In the event the original homeowner sells their home, Value will offer this warranty to the new homeowner for up to ten (10) years from the original purchase date of the product; provided the subsequent purchaser continues to own and occupy the home.

*NOTE: Product used for the following projects: commercial buildings, multifamily housing or new construction installation in tract housing, will be warranted for ten (10) years from the original purchase date of the product on Frame, Glass Seal, and Labor. Screens are warranted for one (1) year.

Exclusions

Every effort is made to ensure that your new Value windows and doors remain trouble-free year after year. Of course, some circumstances are beyond Value's control and are not covered by this warranty. The following items are not covered by this warranty:

- Improper installation, use or maintenance
- Small scratches, marks, slight glass curvature or other minor imperfections in the glass or aluminum
- Failures due to product modifications or window shading devices (e.g., glass tinting, security systems, improper painting or staining, insulated window coverings, etc.)
- Water infiltration other than as a result of a defect in manufacturing or materials
- Corrosion of hardware in coastal areas
- Incidental and consequential damage
- Chemical burns due to use of harsh cleaning products of other agents
- Damage caused by earthquakes, floods, wind or other "acts of God"
- Damage caused by misuse, house settling or vandalism
- Any costs associated with the use of scaffolding or lifts

Coverage

Frame: Lifetime
Value warrants that the aluminum sash and frame members will be free from defects.

Glass: Lifetime
Value warrants that the insulated glass will not develop a build-up of moisture between the panes of glass. Value, at its discretion, will supply either replacement glass or a full panel.

Glass Breakage: Lifetime
Triple pane and laminated glass Value Aluminum Series products are warranted against accidental glass breakage. *NOTE: Glass breakage does not cover tempered or specialty glass.*

Screens: 1 year
Screens are warranted against defects in material for one (1) year. Replacement screens will be delivered to the nearest Value dealer/distributor.

Labor: Lifetime
Value, at its discretion, will repair or replace any defective part or component at no charge to you for as long as you own and occupy the home in which the products were installed. Lifetime labor applies only to Value's official delivery and service areas. Please check with your local Value dealer for more details.

*Warranty valid on **Value** products purchased after January 1st, 2013*

Value WINDOWS & DOORS

1830 Flower Ave Duarte, CA 91010 | 626.263.5401 |
valuewindowsdoors.com

Repair/Replacement Procedure

This warranty is limited to Value, at its option, repairing and/or replacing defective parts (color matching not guaranteed). Value, in its sole discretion, reserves the right to refund the amount paid by the original single-family homeowner for the product (excluding installation cost).

Product Changes

Value reserves the right to discontinue or change any product it manufactures. If the part or component of the product originally installed is not available and Value determines to make a replacement, Value shall have the right to substitute such part or component designated by Value to be of equal quality and price.

Condensation, Mold, and Mildew

Condensation on the glass is a natural result of excessive moisture in the house and does not indicate a defective product or faulty installation. Maintaining proper household humidity levels may prevent problems such as mold, mildew, and related health risks. In no event shall Value be liable for any damages, including special incidental or consequential damages, resulting from condensation, mold or mildew.

IF YOU BECOME AWARE OF PERSISTENT CONDENSATION ON YOUR WINDOWS, YOU SHOULD TAKE IMMEDIATE REMEDIAL ACTION TO PREVENT WATER, MOLD AND/OR MILDEW DAMAGE TO YOUR PROPERTY AND POTENTIAL HEALTH RISKS.

Limitation of Remedies

THIS EXPRESS WARRANTY IS IN LIEU OF ALL IMPLIED WARRANTIES INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. VALUE EXCLUDES AND WILL NOT PAY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES AND ITS LIABILITY WILL IN ALL INSTANCES BE LIMITED TO REPAIR OR REPLACEMENT OR REFUND OF ACTUAL PURCHASE PRICE OF THE DEFECTIVE PRODUCT.

Some states do no allow the exclusion or limitation of incidental or consequential damages or implied warranties. This warranty is only applicable in the contiguous U.S.A. This warranty gives you specific legal rights, and you may also have other rights, which may vary, from state to state. This warranty may not be changed or modified by any representative of the manufacturer or its dealers.

PROUDLY MADE
IN THE USA

Value WINDOWS & DOORS

THERMALLY BROKEN ALUMINUM WINDOWS

Value Windows and Doors 02
Our High Quality Foundation 03
Thermally Broken Aluminum Series 04
Thermally Broken Aluminum Windows System T-5100 05
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PROUDLY MADE IN THE USA

Value
WINDOWS & DOORS

Thermally Broken Aluminum Windows Series T-5000

PROUDLY MADE
IN THE USA

Value
WINDOWS & DOORS

INNOVATION, QUALITY AND SERVICE

NFRC
National Fenestration Rating Council

AAMA
Manufacturer of Certified Products

ENERGY STAR