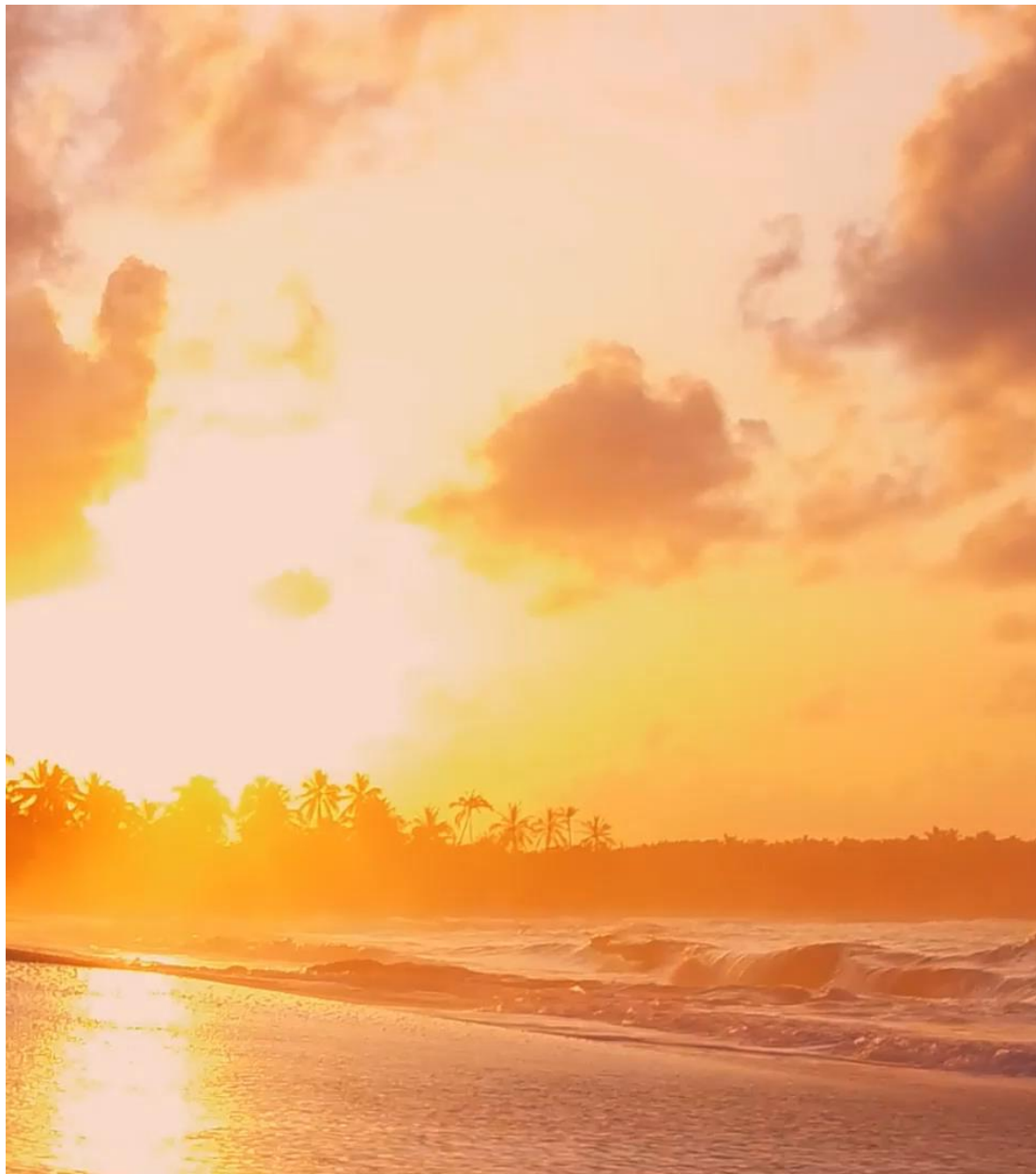




# Auraline® True Composite Window & Patio Doors

Product Line Training Deck





# Agenda

- Auraline® Value Proposition
- Construction
- Performance and Aesthetics
- Breadth of Offering





**The long-awaited alternative to vinyl and wood, Auraline® True Composite windows and patio doors blend the beauty and efficiency of wood with strength and durability that surpasses vinyl, so homeowners can enjoy the luxury look for less.**

Auraline True Composite by JELD-WEN is the next generation composite, offering slimmer sight lines, architecturally correct design, and co-extruded pigment, for fade- and scratch-resistant color.

#### **True Composite Material**

Extruded mix of wood fiber and synthetic polymer is the new alternative to wood and vinyl

#### **Contemporary, Architecturally Correct Design**

Unobstructed sight lines and mechanically fastened corners with no welds create the clean lines and corners that look and feel like high-end wood windows.

#### **Co-Extruded, Fully Bonded Color**

Low maintenance, with no painting required, Auraline products are scratch resistant and won't flake or peel





## WHY AURALINE®?

### ELEVATED PERFORMANCE

- PG35 Standard, category-best PG50 and LC rated options available
- True composite is 2x as rigid as vinyl
- Installs cleanly, resists sag or warp over time
- Co-extruded, fully bonded color – no paint required
- Low maintenance, scratch resistant, won't flake or peel

### HEIGHTENED AESTHETICS

- Variety of operating types and colors
- Slimmer sight lines, up to 29% more visible glass than other composite windows on the market today
- Clean lines, contemporary architecturally correct design
- Mechanically fastened corners with no welds. Looks and feels like a high-end, high quality wood window

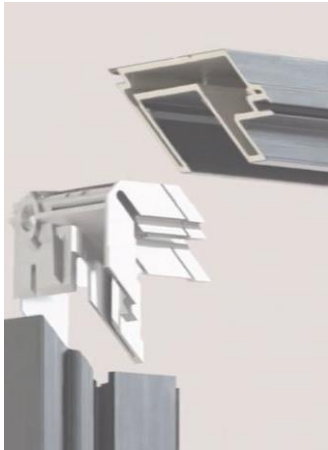
**Flexible solution for new construction and replacement projects**



# Corner Construction

Mechanically fastened corners with no welds give Auraline® products the look and feel of wood windows plus added strength and durability

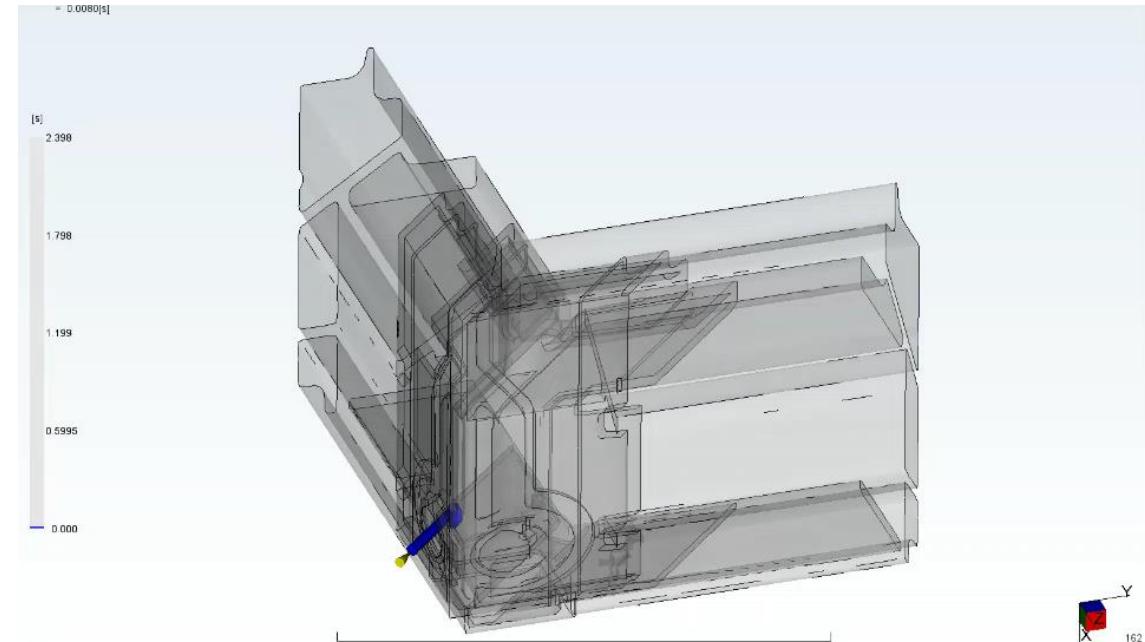
- Hollow frame members made from extruded composite material (wood flour & PVC) are joined together with a glass fiber reinforced corner key. The joint is then injected with a thermoplastic hot melt adhesive that both binds and seals the corner.
- Corner quality depends on two things: excellent miter cuts and a complete corner fill of adhesive.
  - Our design and manufacturing process uses computer flow modeling, infrared sensors, and equipment automation to help ensure a quality corner that is both sealed against water intrusion and looks beautiful.
  - Regular water testing and corner cross-sectioning confirm that the process is working as intended, to give confidence in the performance of our corners.



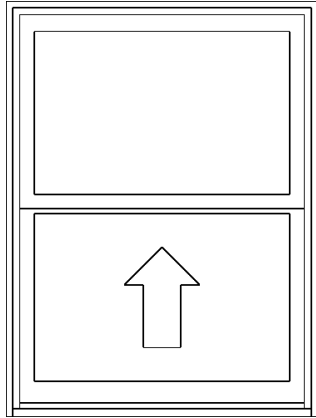
Corner Key



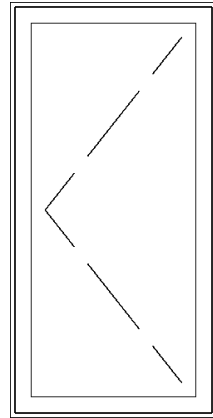
Adhesive Flow Simulation



# Operating Types



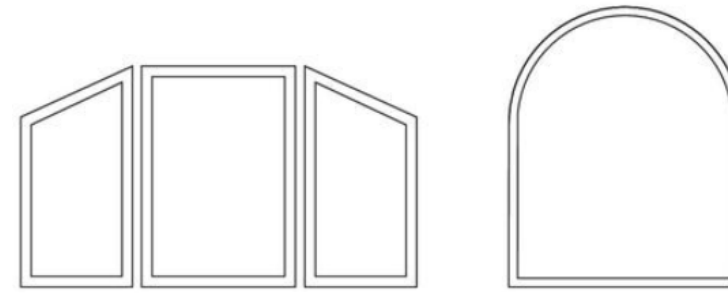
Single Hung  
Side-Load



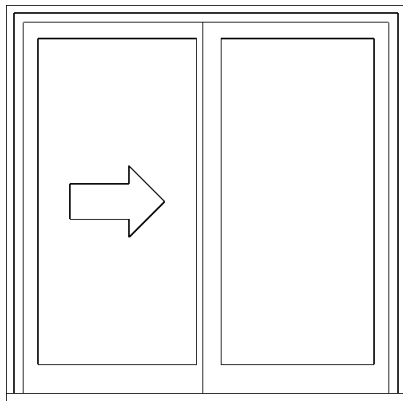
Casement



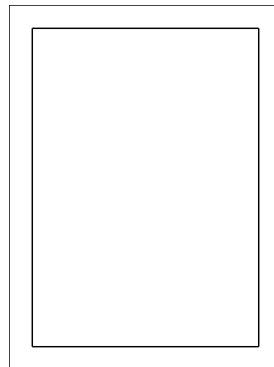
Awning



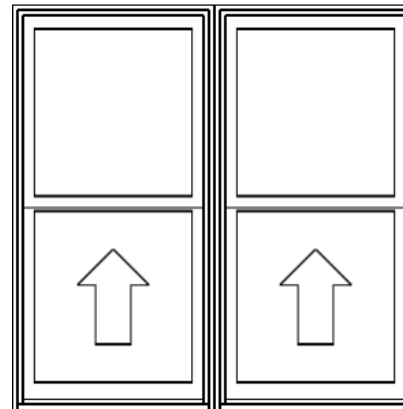
Direct Set Geo and Radius



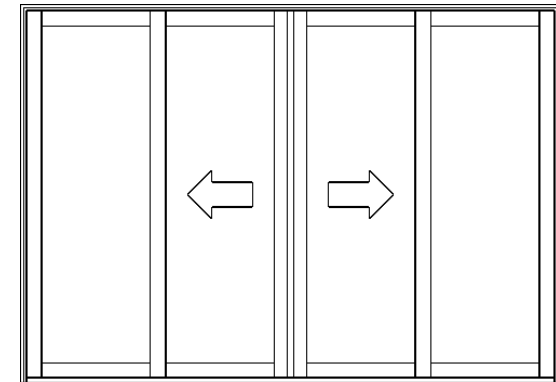
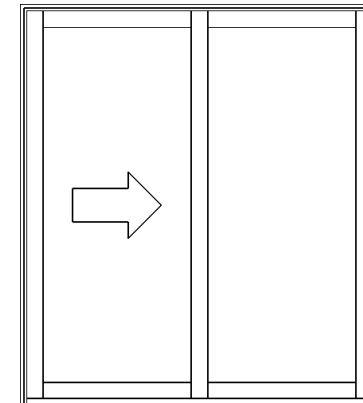
2 & 3 Panel Sliding Window



Fixed Single Hung Slider  
Frame w/ Track Filler



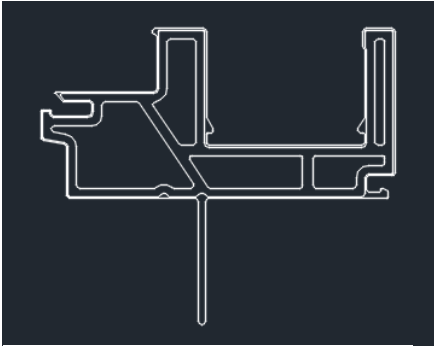
Continuous Head and Sill



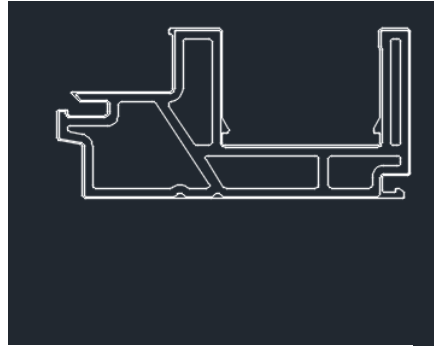
3 & 4 Panel Sliding Doors

# Frame Types + Options

## Frame Options



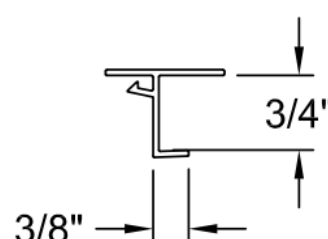
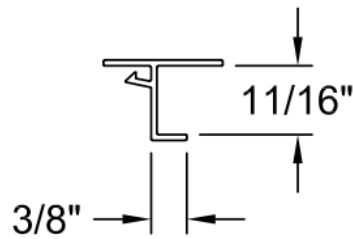
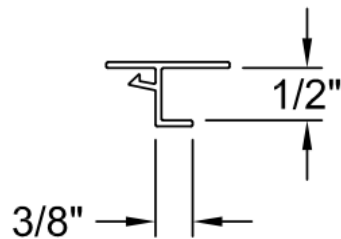
Standard Nail Fin



Optional Block Frame  
(for repair/remodel applications)

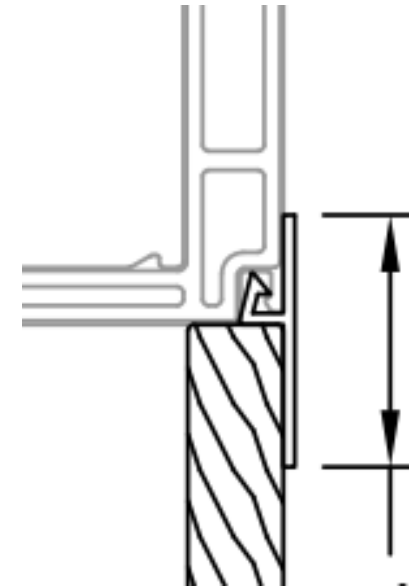
## Return Accessories

- Drywall return accessories available
- Interior return accessories available in the widths below



## Extension Jambs

- Available as an option
- Not factory applied– these will ship loose
- Available in Primed Wood or Clear Natural Pine





# Color Options

Auraline® features co-extruded, fully bonded color options that require no painting are scratch-resistant and won't flake or peel.

## Low-Maintenance Color

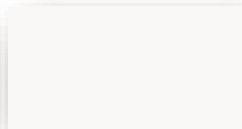
More effectively stands up to scratches throughout shipping, installation and regular cleaning and maintenance

## Improved appearance

Exterior finish is aesthetically superior to painted vinyl and reduces color variance across multiple units



Black



White



Chestnut Bronze  
(Available late 2022)



\*Split finish not available

# Hardware Options



CASEMENT / AWNING  
Folding Nested Contemporary Lock



SINGLE HUNG / SLIDER  
CAM Lock



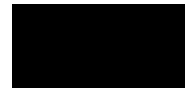
Standard Sliding  
Patio Door Handle

FLUSH MOUNT  
Also available with  
flush patio  
hardware for a sleek  
look and larger  
clear opening.

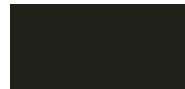
## Finish Options



White



Black



Bronze  
(Late 2022)



Satin Nickel  
(Optional)



# Glass Options

Slimmer sight lines are a signature of Auraline® True Composite, with up to 28% more visible glass. Our performance options are available in expansive glass panels, to maximize natural light and bring the beautiful outdoors in.

## Performance Glass



**SunFlow™**: Expertly engineered to improve energy efficiency in colder climates, SunFlow™ glass allows the sun's heat to penetrate through the glass and keep your house warm while simultaneously preventing heat loss to reduce your utility bills and keep you comfortable year-round.

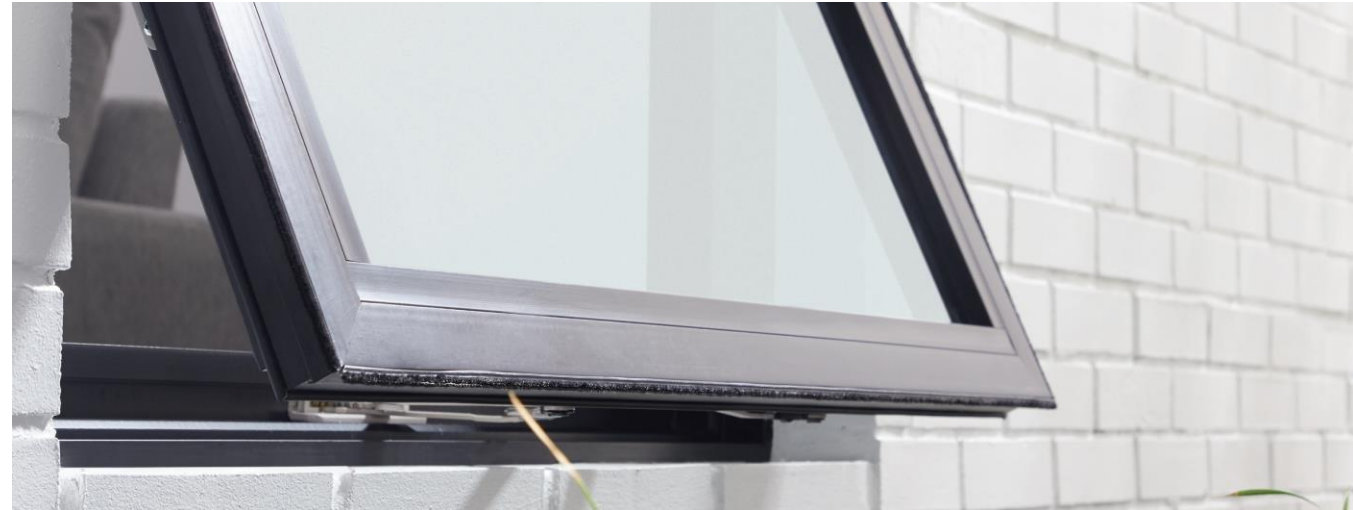


**SunResist™**: designed to prevent the weather outside from influencing how comfortable you are in your home. This insulating glass is ideal for those in warmer climates and is engineered to keep the sun's harmful UV rays out of your home while retaining heat indoors in the winter.



**SunStable™**: designed to be versatile, energy-efficient, and an ideal solution for homes in a wide range of climates. This glass type balances visible light and thermal performance for energy savings and improved comfort year-round.

With argon = .26 U-Factor on Casement and Awning.  
\* High Altitude options available



CLEAR AND TEXTURED GLASS



Clear



Obscure



Rain



Reed



Satin Etch

## Spacer Options



Silver  
(Standard)



Black  
(Optional)

### MESH OPTIONS

Our standard package includes fiberglass screen mesh option or upgrade to BetterVue screens (mesh design) designed to keep more insects outside, while letting more natural light inside.

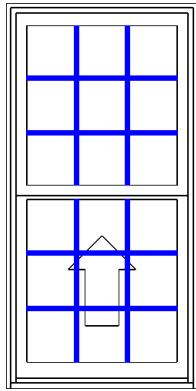




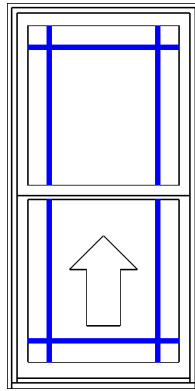
# Grid Options

Add architectural interest to your windows with one of our decorative options: simulated divided lites (SDL) for an authentic look, or maintenance-free grilles between the glass (GBG).

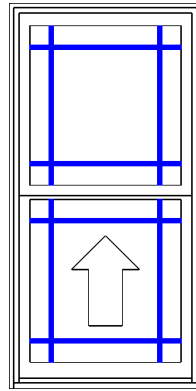
Single Hung/ Slider



Colonial

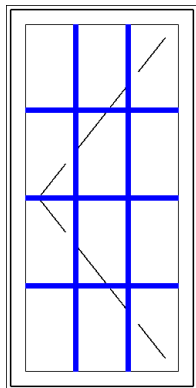


Prairie Frame

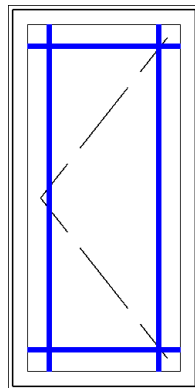


Prairie Glass

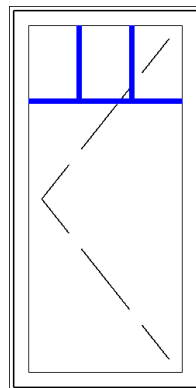
Casement/ Awning



Colonial



Prairie Glass



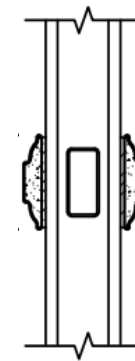
Top Down



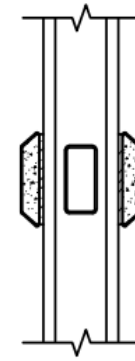
## Simulated Divided Lites (SDLs):

Bars are permanently adhered to both the interior and exterior glass for a "paned" window look. A shadow bar between the panes of glass creates a more authentic appearance.

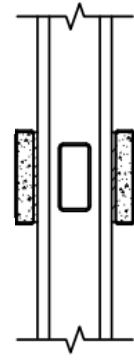
Contour, Putty and Flat SDLs are available in 5/8", 7/8" or 1-1/8"



Contour



Putty



Flat

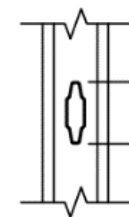
## Grilles Between the Glass (GBG):

Style without the upkeep: The grilles are placed between the panes of glass, leaving a smooth glass surface for easy cleaning.

Flat is available in 5/8", 7/8" or 1" Contour is available in 7/8" or 1"



Flat

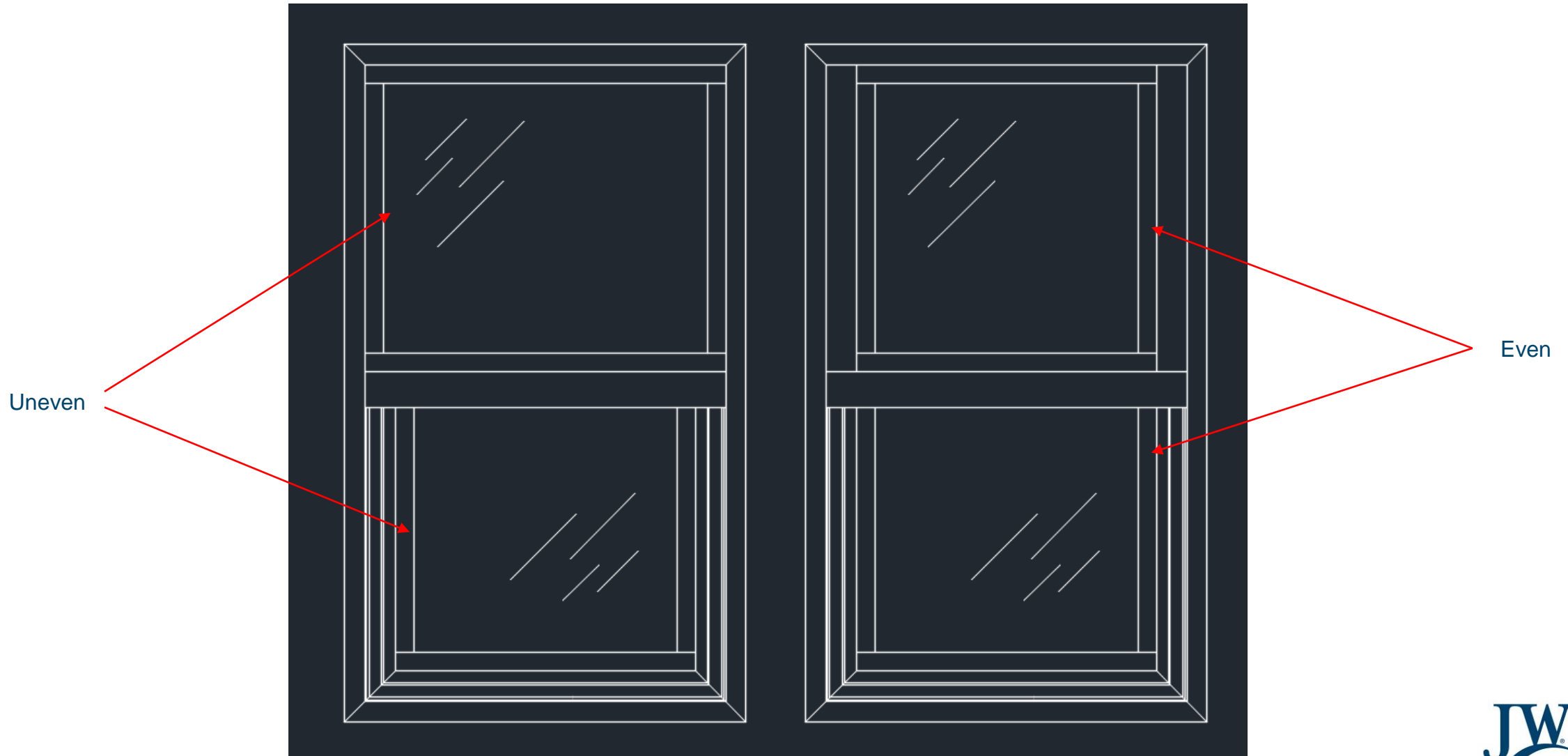


Contour

# Sight Lines Options

Standard Sight Line

Optional Even Sight Line



# Single Hung Side Load

Features a removable side-load bottom sash that lifts vertically towards a fixed top sash

## Design

- The bottom sash can be completely removed for cleaning
- Block and tackle balance system
- Metal reinforced meeting rail with interlock for added security and performance
- 3/4" IG Glass - silicone glazed to sash and frame
  - Option for 7/8" Glass
- True 3 1/4" frame depth
- Metal cam lock
- Square glazing stop for a contemporary look
- Integral nailing fins and sash lift at the meeting rail
- WOCD options available -- installed or uninstalled

### Sizing:

Width: 12" – 48"

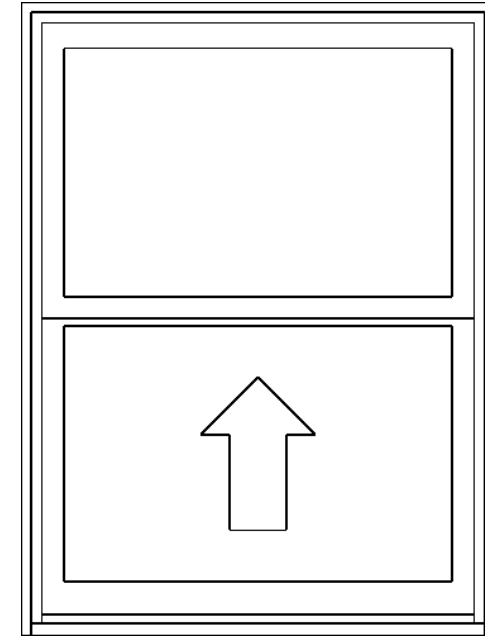
Height: 24" – 96"

### Ratings:

LC PG35: 48" x 96"

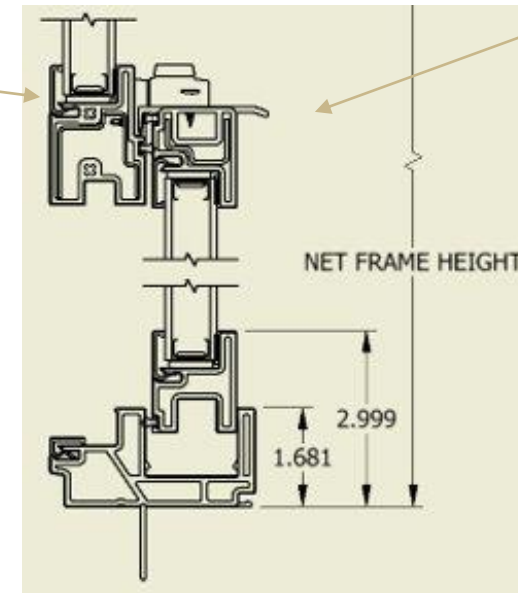
LC PG50: 36" x 96"

LC PG50: 48" x 84"



Square  
Contemporary  
Glazing Stop

Integral  
Sash Lift



Vertical Detail



# Sliding Window

Features one stationery sash and one that opens horizontally to left or right to allow maximum ventilation and ease of use

## Design

- Available in a 2 or 3-panel configuration
  - 2-Panel composed of two sashes, one operable sash only (OX or XO)
  - 3-Panel composed of three sashes, two operable sash (XOX)
- Metal cam lock
- Meeting rail reinforcement
- Delrin rollers under active sash
- $\frac{3}{4}$ " insulated glazing; silicone glazed to sash & frame
  - Option for  $\frac{7}{8}$ " glass to match Single Hung
- Operating sash is removable for cleaning

### Sizing:

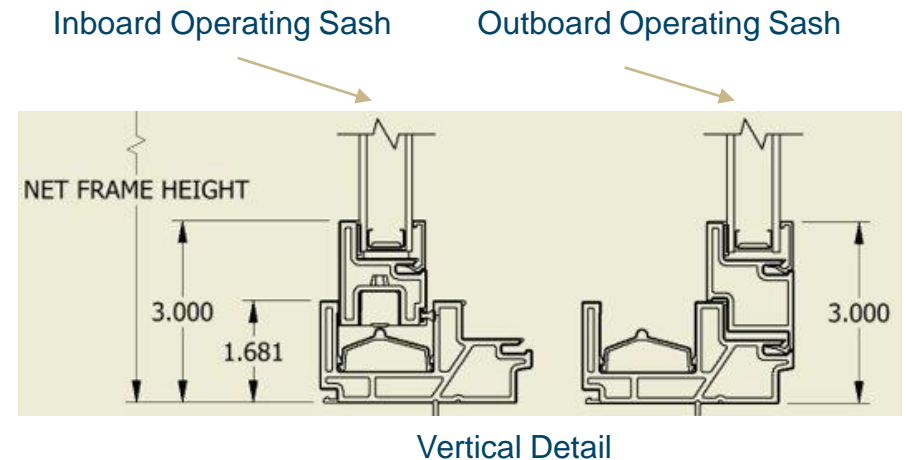
Width: 24" – 72"

Height: 12" – 72"

### Ratings:

LC PG35: 72" x 72"

LC PG50: 72" x 36"



# Fixed Single Hung | Horizontal Slider

Direct set windows that enable wide-open view with minimal disruption

## Design

- Narrow frame profile matches the single hung and slider for a consistent look across units
- Track filler can be used to conceal fasteners when used in a replacement project



## Sizing:

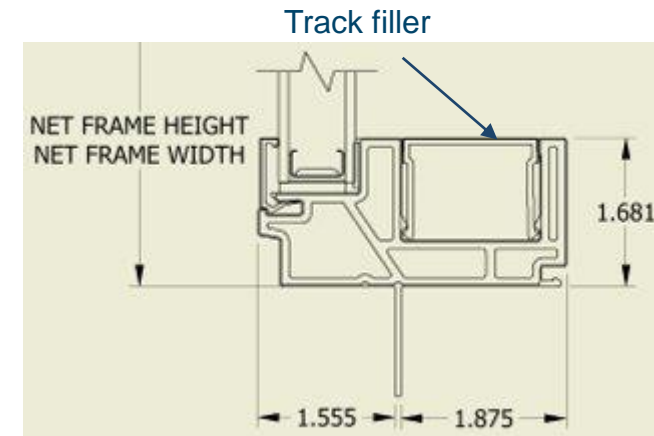
Width: 12" – 96"

Height: 12" – 96"

## Ratings:

LC PG35: 96" x 96"

LC PG50: 72" x 72"

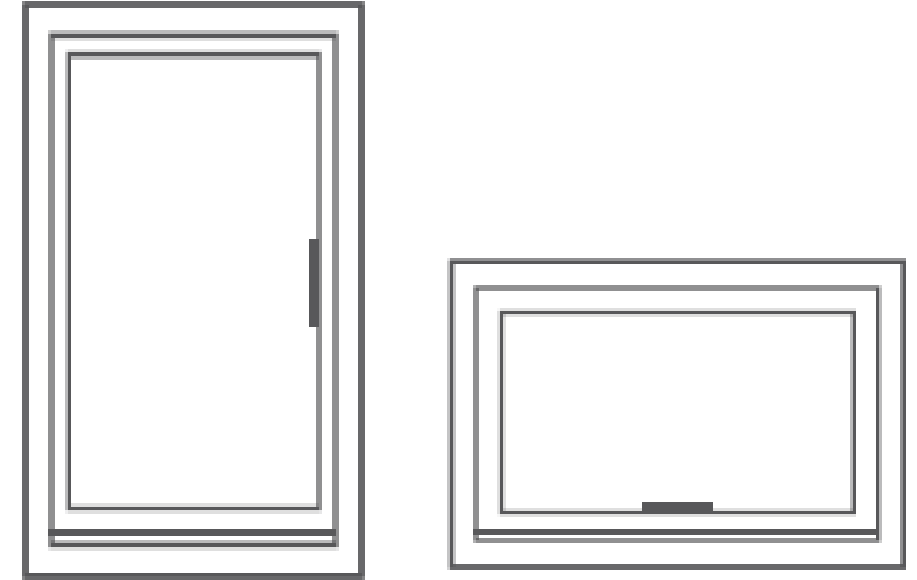


# Casement | Awning Window

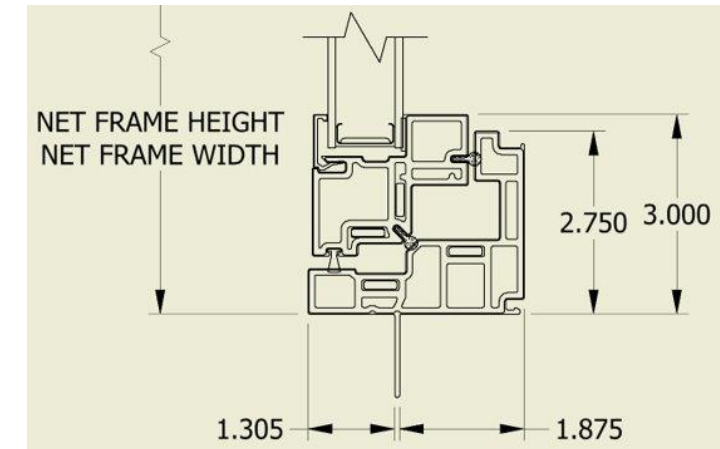
Hinged at the side or top of window to open the design options for many rooms in the home

## Design

- Single lever, multi-point lock mechanism for performance and security
- 3 1/8" Frames are ideal for new construction and replacement
- Interior Accessory Groove
- 3/4" insulated glass; silicone glazed to sash and frame
- LowE with argon = .26 U-Value
- Triple Weatherstrip design



	<b>Sizing:</b>	<b>Ratings:</b>
Casement	Width: 18" – 36" Height: 21" – 72"	LC PG35: 36" x 72" LC PG50: 36" x 72"
Awning	Width: 18" – 60" Height: 18" – 48"	LC PG35: 48" x 48" LC PG50: 48" x 36"



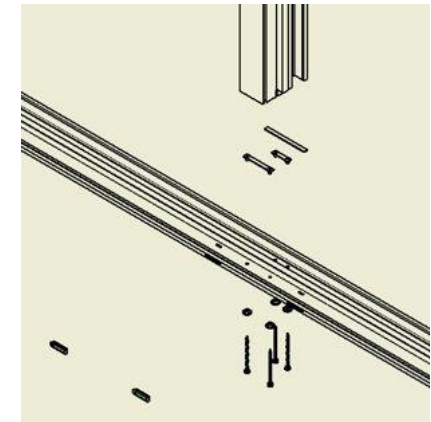
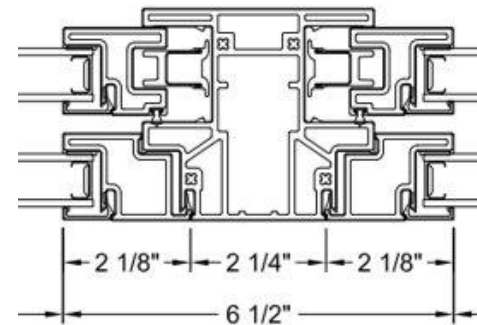
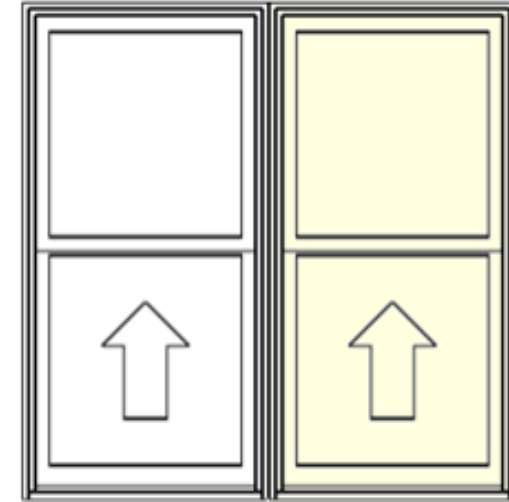


# Continuous Head & Sill (CHS)

Mulled units available in all window operating types to create multiple product units

## Design

- Consists of a one-piece head, one-piece sill with a t-mull post
- Rebar reinforcement inside the t-mull posts increases structural strength, reduces deflection as well as air and water infiltration

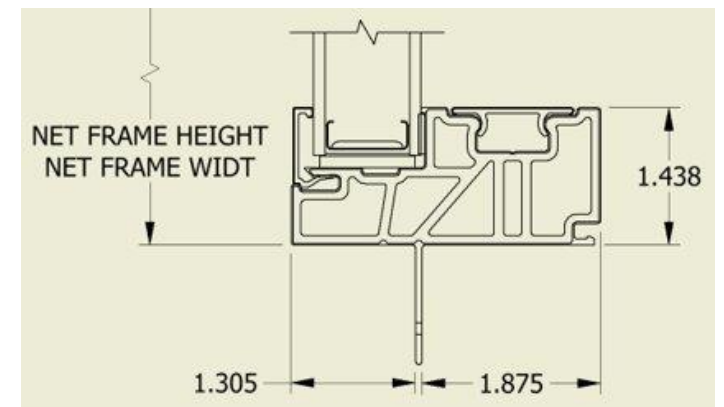
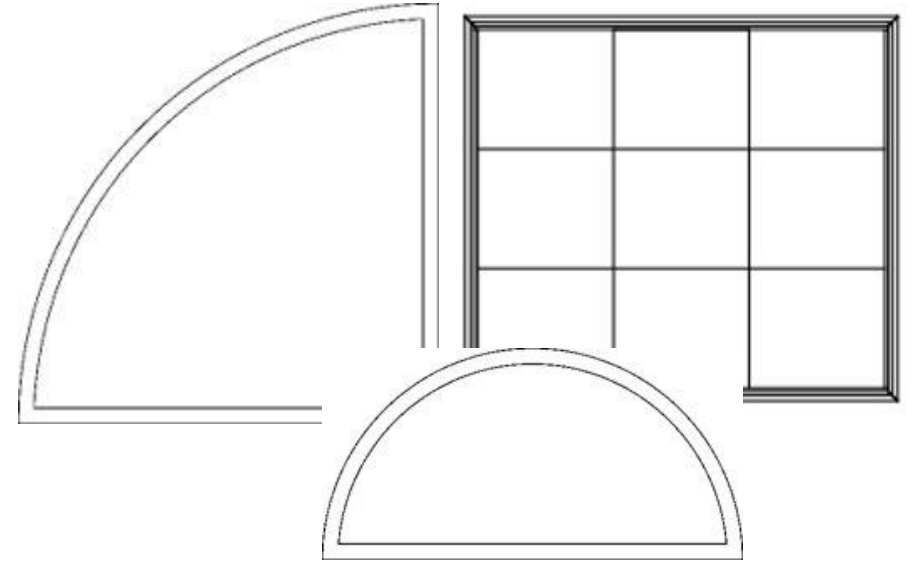


# Direct Set, Geometric & Radius

Direct set windows enable wide-open view with minimal disruption

## Design

- Direct glazed product
- 1 7/16" narrow frame
  - Profile does not match other profiles in ordering, but super narrow frame options for direct set products
- Minimal frame to day light opening measurement



# Sliding Patio Door

Available in multiple panel configurations to provide the patio door you need that matches your windows

## Design

- Available in a 2, 3 or 4-panel configurations
- Adjustable stainless-steel rollers for premium performance
- Dual-point locking system for added security
- The 2-panel features a sash for the fixed panel
  - Glass is not direct glazed into frame
- Fixed sash and operable sash profiles match identically
- Sidelight sashes on 3 & 4 panel doors match the operable panel sash and deliver identical daylight openings
- 71 1/2" frame width will meet the 32" ADA clear opening when using the flush handle
- 77 1/8" frame width will meet the 32" ADA clear opening when using a standard handle
- Sills do not meet 'change in height compliance without being recessed into floor or installing interior/exterior ramps

### Sizing:

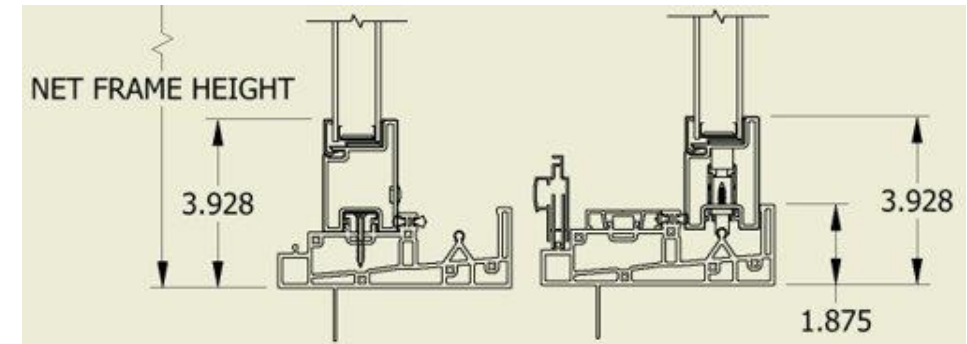
Width: 60" – 96"

Height: 80" – 96"

### Ratings:

LC PG35: 96" x 96"

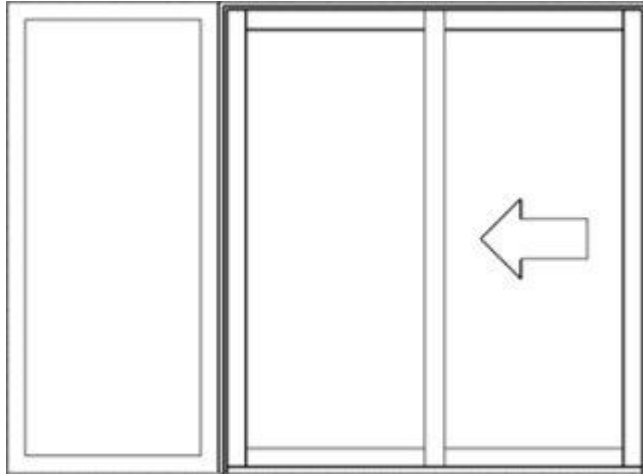
LC PG50: 72" x 80"



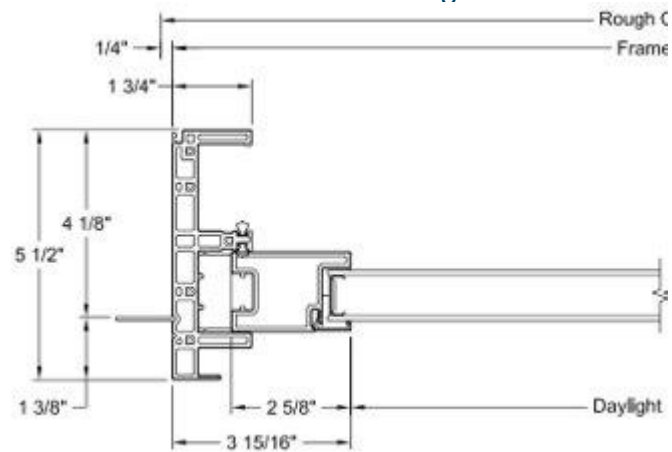
Fixed Panel

Operable Panel

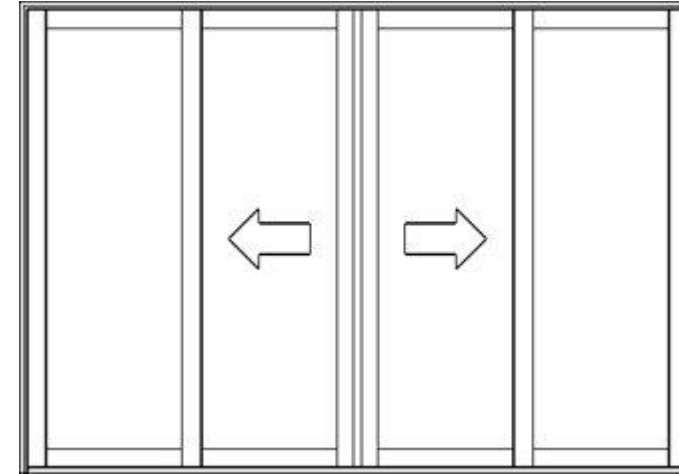
# Sliding Patio Door



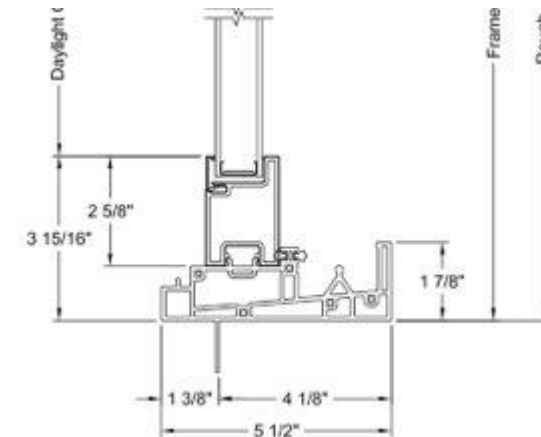
3- Panel Sliding



Jamb detail – fixed panel



4-Panel Sliding



Sill detail – fixed panel



## Test Data

- NFRC Thermal Ratings
- Structural Ratings
- Acoustic Ratings

JELD-WEN

Auraline™ Composite

JELD-WEN

Auraline™ Composite  
Acoustic Ratings

JELD-WEN

Auraline™ Composite

The performance information listed is for new products and is intended to be used for reference only, and is not complete. Depending on the components, accessories, and options chosen, the actual rating could vary. Confirm ratings for specific products with your supplier or JELD-WEN sales representative.

PRODUCT	GLAZING	No Grid				Qualifies for Energy Star				Flat or Contour Grid				Qualifies for Energy Star			
		U-Factor	SHGC	VT	CR	Y	NC	SC	X	U-Factor	SHGC	VT	Y	NC	SC	X	
Awning	Clear	0.41	0.53	0.55	44					0.41	0.48	0.50					
	SunStable™	0.29	0.25	0.47	55	X	X	X	X	0.29	0.23	0.42	X	X	X	X	
	SunStable™ Argon	0.29	0.25	0.47	59	X	X	X	X	0.29	0.23	0.42	X	X	X	X	
	SunResist™	0.29	0.19	0.43	55	X	X	X	X	0.29	0.17	0.39	X	X	X	X	
	SunResist™ Argon	0.28	0.19	0.43	59	X	X	X	X	0.28	0.17	0.39	X	X	X	X	
	SunFlow™	0.30	0.44	0.53	54	X				0.30	0.40	0.48	X				
	SunFlow™ Argon	0.27	0.44	0.53	58	X				0.27	0.40	0.48	X				
	ENERGY STAR® Northern	0.28	0.25	0.47	59	X	X	X	X	0.28	0.23	0.42	X	X	X	X	
	ENERGY STAR® North Central	0.28	0.25	0.47	59	X	X	X	X	0.28	0.23	0.42	X	X	X	X	
	ENERGY STAR® South Central	0.29	0.19	0.43	55	X	X	X	X	0.29	0.17	0.39	X	X	X	X	
Casement	Clear	0.41	0.53	0.55	44					0.41	0.48	0.50					
	SunStable™	0.29	0.25	0.47	55	X	X	X	X	0.29	0.23	0.42	X	X	X	X	
	SunStable™ Argon	0.29	0.25	0.47	59	X	X	X	X	0.29	0.23	0.42	X	X	X	X	
	SunResist™	0.29	0.19	0.43	57	X	X	X	X	0.29	0.17	0.39	X	X	X	X	
	SunResist™ Argon	0.28	0.19	0.43	60	X	X	X	X	0.28	0.17	0.39	X	X	X	X	
	SunFlow™	0.30	0.44	0.53	58	X				0.30	0.40	0.48	X				
	SunFlow™ Argon	0.27	0.44	0.53	59	X				0.27	0.40	0.48	X				
	ENERGY STAR® Northern	0.28	0.25	0.47	60	X	X	X	X	0.28	0.23	0.42	X	X	X	X	
	ENERGY STAR® North Central	0.28	0.25	0.47	60	X	X	X	X	0.28	0.23	0.42	X	X	X	X	
	ENERGY STAR® South Central	0.29	0.19	0.43	57	X	X	X	X	0.29	0.17	0.39	X	X	X	X	
SH Fixed Direct Set	Clear	0.41	0.53	0.55	44					0.41	0.48	0.50					
	SunStable™	0.29	0.25	0.47	55	X	X	X	X	0.29	0.23	0.42	X	X	X	X	
	SunStable™ Argon	0.29	0.25	0.47	59	X	X	X	X	0.29	0.23	0.42	X	X	X	X	
	SunResist™	0.29	0.19	0.43	57	X	X	X	X	0.29	0.17	0.39	X	X	X	X	
	SunResist™ Argon	0.28	0.19	0.43	60	X	X	X	X	0.28	0.17	0.39	X	X	X	X	
	SunFlow™	0.30	0.44	0.53	58	X				0.30	0.40	0.48	X				
	SunFlow™ Argon	0.27	0.44	0.53	59	X				0.27	0.40	0.48	X				
	ENERGY STAR® Northern	0.28	0.25	0.47	60	X	X	X	X	0.28	0.23	0.42	X	X	X	X	
	ENERGY STAR® North Central	0.28	0.25	0.47	60	X	X	X	X	0.28	0.23	0.42	X	X	X	X	
	ENERGY STAR® South Central	0.29	0.19	0.43	57	X	X	X	X	0.29	0.17	0.39	X	X	X	X	
Fixed Direct Set	Clear	0.41	0.53	0.55	44					0.41	0.48	0.50					
	SunStable™	0.29	0.25	0.47	55	X	X	X	X	0.29	0.23	0.42	X	X	X	X	
	SunStable™ Argon	0.29	0.25	0.47	59	X	X	X	X	0.29	0.23	0.42	X	X	X	X	
	SunResist™	0.29	0.19	0.43	57	X	X	X	X	0.29	0.17	0.39	X	X	X	X	
	SunResist™ Argon	0.28	0.19	0.43	60	X	X	X	X	0.28	0.17	0.39	X	X	X	X	
	SunFlow™	0.30	0.44	0.53	58	X				0.30	0.40	0.48	X				
	SunFlow™ Argon	0.27	0.44	0.53	59	X				0.27	0.40	0.48	X				
	ENERGY STAR® Northern	0.28	0.25	0.47	60	X	X	X	X	0.28	0.23	0.42	X	X	X	X	
	ENERGY STAR® North Central	0.28	0.25	0.47	60	X	X	X	X	0.28	0.23	0.42	X	X	X	X	
	ENERGY STAR® South Central	0.29	0.19	0.43	57	X	X	X	X	0.29	0.17	0.39	X	X	X	X	

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Product	AAMA/WDMA/CSA 101/I.S. 2/A440 -(NAFS 11/17)							
	Configuration	Performance Class and Performance Grade	Max Size Tested	Water Performance (psf)	Air Performance (cfm/ft²)	Operating Force In Motion (lbf)	FL#	TDL#
Awning	Single Unit	LC - PG35/-40	48x48	5.25	0.1	2	31793.2	WIN-2567
	Single Unit	LC - PG50/-55	48x36	7.50	0.1	2	31793.1	WIN-2567
	Two Wide	LC - PG35/-40	96x36	5.25	0.1	2	31793.4	WIN-2567
	Three Wide	LC - PG35/-40	144x36	5.25	0.1	2	31793.4	WIN-2567
Casement	Four Wide	LC - PG35/-40	192x36	5.25	0.1	2	31793.4	WIN-2567
	Two Wide	LC - PG50/-55	96x36	7.50	0.1	2	31793.3	WIN-2567
	Single Unit	LC - PG35/-40	36x72	5.25	0.1	3	Pending	
	Single Unit	LC - PG50/-55	36x72	7.50	0.1	3	31794.1	WIN-2631
Casement Fixed Insash	Two Wide	LC - PG35/-40	72x72	5.25	0.1	3	31794.3	WIN-2631
	Three Wide	LC - PG35/-40	108x72	5.25	0.1	3	31794.3	WIN-2631
	Four Wide	LC - PG35/-40	144x72	5.25	0.1	3	31794.3	WIN-2631
	Two Wide	LC - PG50/-55	72x72	7.50	0.1	3	31794.2	WIN-2631
Fixed Direct Set	Single Unit	LC - PG35/-40	72x72	5.25	0.1	N/A	Pending	WIN-2568
	Single Unit	LC - PG50/-55	36x72	7.50	0.1	N/A	31795.1	WIN-2568
	Two Wide	LC - PG50/-55	72x72	7.50	0.1	N/A	31795.4	Pending
	Three Wide	LC - PG50/-55	108x72	7.50	0.1	N/A	31795.4	Pending
Horizontal Slider	Single Unit	LC - PG50/-55	144x72	7.50	0.1	N/A	31795.4	Pending
	Single Unit	LC - PG35/-40	96x96	5.25	0.1	N/A	32018.1	WIN-2565
	Single Unit	LC - PG50/-55	72x72	7.50	0.2	11.0	31993.1	WIN-2612
	Single Unit	LC - PG50/-55	72x36	7.50	0.2	11.0	31993.2	Pending
Side Load Single Hung	Single Unit	LC - PG35/-40	48x96	5.25	0.1	25	31796.2	WIN-2566
	Single Unit	LC - PG50/-55	36x96	7.50	0.1	25	31796.3	WIN-2566
	Two Wide	LC - PG50/-55	72x72	7.50	0.1	25	31796.4	WIN-2566
	Single Unit	LC - PG35/-40	96x96	5.25	0.1	N/A	31992.3	Pending
Single Hung Fixed Direct Set	Single Unit	LC - PG50/-55	72x72	7.50	0.1	N/A	Pending	Pending
	Two Wide	LC - PG35/-40	96x72	5.25	0.1	N/A	Pending	Pending
	Two Wide	LC - PG50/-55	72x72	7.50	0.1	N/A	Pending	Pending
	Three Wide	LC - PG35/-40	144x72	5.25	0.1	N/A	31992.4	Pending
Sidelite	Single Unit	LC - PG35/-40	48x96	5.25	0.1	N/A	38892.1	Pending
	Single Unit	LC - PG35/-40	72x80	5.25	0.3	9	Pending	WIN-2568
Sliding Patio Door	Single Unit	LC - PG35/-40	96x36	5.25	0.1	N/A	37324.2	Pending
	Single Unit	LC - PG35/-40	144x48	5.25	0.1	N/A	37324.1	WIN-2627

1/5/2022

**Key**  
L = Laminated  
STC = Sound Transmission Class (ASTM E413)  
OITC = Outdoor/Indoor Transmission Class (ASTM E1332)

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Auraline Composite			
Type	Glazing (nominal)	STC	OITC
Awning	1/8 in - 1/8 out	29	24
	3/16 in - 3/16 out	30	25
	3/16 in - 1/8 out	34	27
	1/4 in - 1/8 out	36	28
Casement	1/4 L in - 1/8 out	37	28
	3/32 in - 3/32 out	27	23
	1/8 in - 1/8 out	29	24
	3/16 in - 3/16 out	30	25
Fixed Direct Set	3/16 in - 1/8 out	34	27
	1/4 in - 1/8 out	36	28
	1/4 L in - 1/8 out	37	28
	3/32 in - 3/32 out	27	23
Horizontal Slider	1/8 in - 1/8 out	27	23
	3/16 in - 3/16 out	30	26
	3/16 in - 1/8 out	32	26
	1/4 in - 1/8 out	32	25
Single Hung	1/4 L in - 1/8 out	32	25
	3/32 in - 3/32 out	26	22
	1/8 in - 1/8 out	28	23
	3/16 in - 1/8 out	33	27
Single Hung Fixed Direct Set	1/4 in - 1/8 out	34	27
	1/4 L in - 1/8 out	35	28
	3/32 in - 3/32 out	27	22
	1/8 in - 1/8 out	27	23
Transom	3/16 in - 3/16 out	30	25
	3/16 in - 1/8 out	31	26
	1/4 in - 1/8 out	31	26
	3/32 in - 3/32 out	26	21
Sliding Patio Door	1/4 in - 1/4 out	31	25

AURALINE  
JELD-WEN.



THANK YOU

