

Features and Performance Options

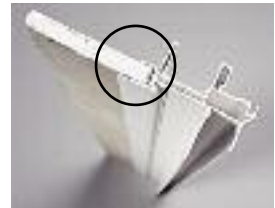


Wood Extension Jamb

An alternative way to finish window units in frame openings. Eliminates drywall return method.

Available in:
4-9/16" depth for 2 x 4 stud wall
6-9/16" depth for 2 x 6 stud wall

Choose from primed wood, clear pine, poplar, oak or finished laminate.



Drywall Return Channel

For field installations, this handy 1/2" drywall return channel offers an alternative to wood trim and caulking while providing a clean, professional finish.

Available in white or beige in 21' lengths. Easily trims to any size.



J-Channel Quick Fix Repair Kit

Snap-in J-channel replaces damaged material caused by stray hammer swings. A quick and easy solution when the need arises.

Available in white or beige in 14' lengths. Trims to any size.



Superior Metal-Reinforced Mulling System

For greater structural integrity across mull window units.

Metal channel secures one window unit frame to another for added strength to multiple units.

Metal band provides added rigidity for shipping and additional reinforcement at the mull intersections for installation. Drip Cap at the top provides a system to direct water away from mullion.

This mulling procedure is available for single-hung, double-hung and sliding windows only. Maximum opening size is 96" x 72" for double mull units and 114" x 50" for triple mull units.



Casement Opening System Options

Standard Opening Design (above left) allows easy cleaning of both sides from inside the home. Egress Hardware Option (above right) allows maximum window opening for compliance with building safety standards.

Tested and Certified to the Highest Industry Standards



A powerful alliance of beauty and strength, Alside Windows are precision-engineered to provide years of excellent service and energy savings. Our windows are continuously tested in our state-of-the-art laboratories and verified by independent testing and certification agencies to ensure consistent high quality, performance and dependability.

Utilizing performance levels beyond AAMA, ASTM and NFRC standards, Alside Windows are tested for air, water, structural load, thermal performance and forced entry resistance. Our windows are approved under AAMA and NFRC certification programs. Complete testing data and certification documentation are available upon request.

Technical Support

Please note that installation drawings included in this brochure should not be construed as set instructions or the only possible way to install our windows. Actual field conditions, construction characteristics and building codes in various geographical areas will dictate variances in installation methods. Alside's engineering and sales departments are readily available to assist you with technical information, installation details and drawings. Alside offers a full range of in-house and field engineering services and support to architects, engineers and building owners across the country.

For additional information, contact us at 800.922.6009, or visit our Tech Center at www.alsidewindows.net.



Alside

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Please recycle

Performance Series™

New Construction Vinyl Windows



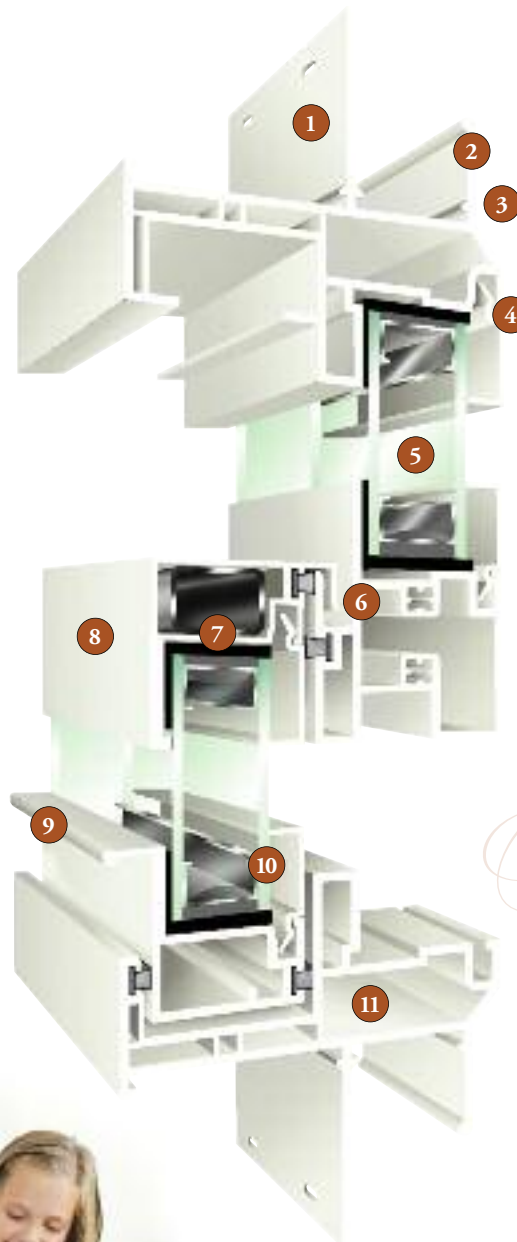
Residential and light commercial installations.

Alside

Model 0100 Single-Hung Window



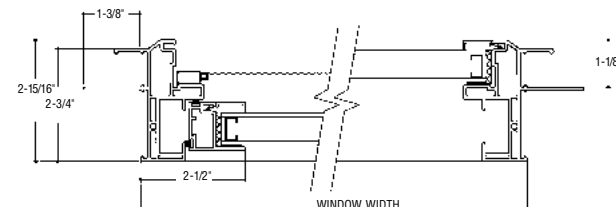
Performance Series Single-Hung Windows feature a beveled, double-wall, narrow-profile design for increased strength and larger glass exposure. Color-coordinated locks and keepers, tilt latches, a fully extruded lift rail and tilt-in lower sash all combine to make a functional as well as appealing design.



1. Integral prepunched nailing fin on all four sides.
2. J-channel receptor on side jambs, sill and header.
3. Beveled exterior mainframe.
4. Exterior drop-in glazing.
5. 3/4" insulated glass unit for thermal efficiency.
6. Interlock at meeting rail for reduced air infiltration and added security.
7. Reinforced lock rail for added strength.
8. Tilt-in sash for ease of cleaning.
9. Fully extruded lift rail.
10. High-performance PPG Intercept® Warm-Edge Spacer System.
11. Multi-chambered design for energy efficiency and reduced noise.

Plus these additional features:

- Solid vinyl frame and sashes for strength, energy efficiency and ease of maintenance.
- Mitered and welded construction for strength and beauty.
- Stainless steel constant force balances.
- Color-coordinated cam lock and keeper.
- Roll-formed aluminum screen frame with fiberglass half screen.



Model 0301 Double-Hung Window



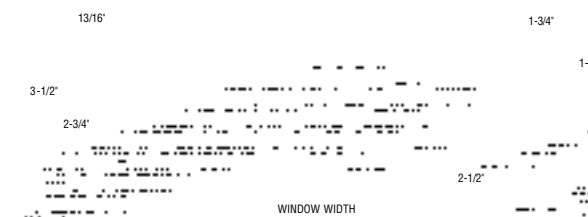
Performance Series Double-Hung Windows feature a beveled, double-wall, narrow-profile design for increased strength and larger glass exposure. Our color-coordinated locks and keepers, tilt latches, a fully extruded center lift rail and two easy-to-clean, tilt-in sashes complement this classic design.



1. Integral 1-3/4" prepunched nailing fin on all four sides for easier installation.
2. J-channel receptor on side jambs, sill and header.
3. Multi-chambered design for energy efficiency and reduced noise.
4. Beveled exterior mainframe.
5. Double-barrier fin seal weatherstripping.
6. Concealed screen track.
7. Exterior drop-in glazing.
8. Fully extruded lift rails.
9. 3/4" insulated glass unit for thermal efficiency.
10. Reinforced lock rail for added strength.
11. Interlock at meeting rails for reduced air infiltration and added security.
12. Tilt-in top and bottom sashes for ease of cleaning.
13. High-performance PPG Intercept Warm-Edge Spacer System.
14. Sloped sill forces water to drain to the exterior.
15. Protective hollow bulb seal.

Plus these additional features:

- Solid vinyl frame and sashes for strength, energy efficiency and ease of maintenance.
- Mitered and welded construction for strength and beauty.
- Stainless steel constant force balances.
- Color-coordinated cam lock and keeper.
- Dual vent locks.
- Extruded aluminum screen frame with fiberglass half screen.



STOCK SIZES REQUIRED TO MEET EGRESS

Minimum Height	35-1/2" x 59-1/2"
Minimum Width	31-1/2" x 71-1/2"

STRUCTURAL

AAMA 101/I.S.2/A440-08	CLASS LC-PG25
Test Size	44" x 77"
Loads	52.66 psf
Water	3.76 psf
Air @ 25 mph	0.12 cfm/ft ²

THERMAL NFRC 100-04

	U-Value
Clear Glass	0.48
ClimaTech	0.30
ClimaTech Elite	0.30

SOLAR PROPERTIES NFRC 200, 300, 301-04

	SHGC	VT
Clear Glass	0.63	0.67
ClimaTech	0.32	0.60
ClimaTech Elite	0.23	0.53

Contact us for high-performance options where increased design pressure ratings are required.

Visit our Tech Center at www.alsidewindows.net



STOCK SIZES REQUIRED TO MEET EGRESS

Minimum Height	37-1/2" x 59-1/2"
Minimum Width	35-1/2" x 71-1/2"

STRUCTURAL

AAMA 101/I.S.2/A440-08	CLASS LC-PG30
Test Size	44" x 77"
Loads	45.14 psf
Water	8.36 psf
Air @ 25 mph	0.23 cfm/ft ²

THERMAL NFRC 100-04

	U-Value
Clear Glass	0.49
ClimaTech	0.32
ClimaTech Elite	0.32

SOLAR PROPERTIES NFRC 200, 300, 301-04

	SHGC	VT
Clear Glass	0.58	0.63
ClimaTech	0.30	0.56
ClimaTech Elite	0.21	0.49

*Requires Model E301

Visit our Tech Center at www.alsidewindows.net



STOCK SIZES REQUIRED TO MEET EGRESS

Minimum Height	59-1/2" x 35-1/2"
Minimum Width	47-1/2" x 47-1/2"

STRUCTURAL

AAMA 101/I.S.2/A440-08	CLASS R-PG20
Test Size	72" x 60"
Loads	30.09 psf
Water	5.43 psf
Air @ 25 mph	0.09 cfm/ft ²

THERMAL NFRC 100-04

	U-Value
Clear Glass	0.48
ClimaTech	0.30
ClimaTech Elite	0.30

SOLAR PROPERTIES NFRC 200, 300, 301-04

	SHGC	VT
Clear Glass	0.63	0.67
ClimaTech	0.32	0.60
ClimaTech Elite	0.23	0.53



STOCK SIZES REQUIRED TO MEET EGRESS

Requires Egress Hardware

Minimum Height	35-1/2" x 35-1/2"
Minimum Width	27-1/2" x 47-1/2"

STRUCTURAL

AAMA 101/I.S.2/A440-05	CLASS C-PG55
Test Size	24" x 48"
Loads	120.38 psf
Water	8.25 psf
Air @ 25 mph	0.04 cfm/ft ²

THERMAL NFRC 100-04

	U-Value
Clear Glass	0.44
ClimaTech	0.30
ClimaTech Elite	0.29

SOLAR PROPERTIES NFRC 200, 300, 301-04

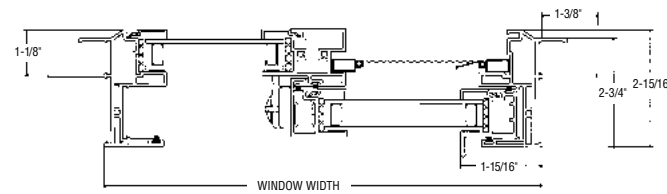
	SHGC	VT
Clear Glass	0.54	0.57
ClimaTech	0.27	0.50
ClimaTech Elite	0.19	0.44



MODEL 0102 2-Lite Sliding Window

Offering beauty, durability and smooth operation.

- Fusion-welded sash and mainframe.
- Beveled exterior mainframe.
- Extruded nail fin.
- Narrowline frame for optimum glass area.
- Integral J-channel.
- Metal-reinforced interlock at sash meeting rails.
- Dual brass tandem rollers.



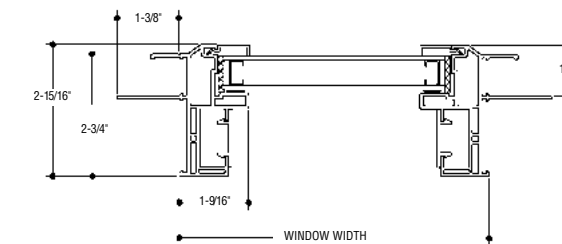
*Standard manufacturing procedure will have right side operable sash from interior.



MODEL 0104 Picture Window and Transom

For a special point of view.

- 1-3/8" integral nailing fin.
- Mitered and welded construction.
- Suitable for fixed-lite or transom applications.
- Standard with integral J-channel.



STOCK SIZES REQUIRED TO MEET EGRESS

Not Applicable

STRUCTURAL

AAMA 101/I.S.2/A440-08	CLASS LC-PG40
Test Size	60" x 60"
Loads	60.0 psf
Water	9.75 psf
Air @ 25 mph	< 0.01 cfm/ft ²

THERMAL NFRC 100-04

	U-Value
Clear Glass	0.48
ClimaTech	0.28
ClimaTech Elite	0.28

SOLAR PROPERTIES NFRC 200, 300, 301-04

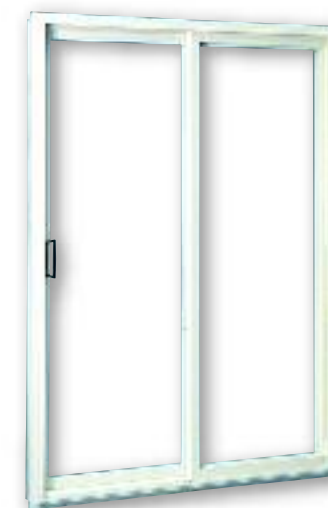
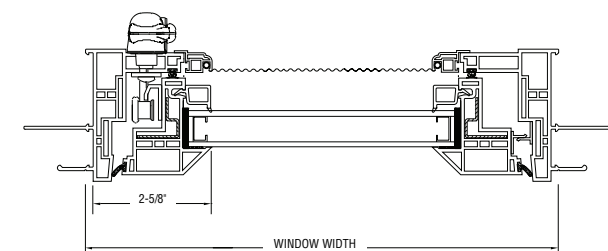
	SHGC	VT
Clear Glass	0.67	0.72
ClimaTech	0.34	0.64
ClimaTech Elite	0.25	0.56



MODEL 0171 Casement Window

Contemporary styling with easy operation and cleaning.

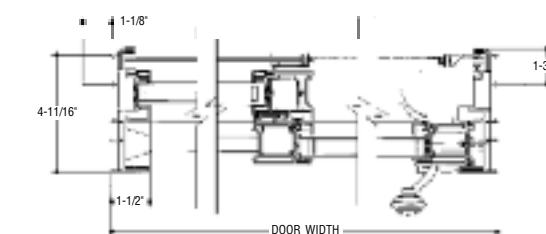
- Beveled exterior sash design.
- Fusion-welded sash and mainframe.
- Low-profile, single-handle, multi-point positive locking system.
- Compression-type inner bulb seal.
- Continuous mainframe construction for multi-lite units.



MODEL 1100 Sliding Patio Door

Appealing style that brings the outdoors inside.

- Fusion-welded sash and mainframe.
- Steel-reinforced vertical sash members.
- Low friction adjustable tandem rollers.
- Extruded aluminum roller track.
- Screen with four-point roller adjustment.
- Fully field-reversible unit.



STOCK SIZES REQUIRED TO MEET EGRESS

Not Applicable

STRUCTURAL

AAMA 101/I.S.2/A440-08	CLASS R-PG30
Test Size	72" x 80"
Loads	45.14 psf
Water	5.43 psf
Air @ 25 mph	0.09 cfm/ft ²

THERMAL NFRC 100-04

	U-Value
Clear Glass	0.47
ClimaTech	0.29
ClimaTech 2	0.29

SOLAR PROPERTIES NFRC 200, 300, 301-04

	SHGC	VT
Clear Glass	0.63	0.67
ClimaTech	0.32	0.60
ClimaTech 2	0.30	0.53

Contact us for high-performance options where increased design pressure ratings are required.



Special Shape Windows

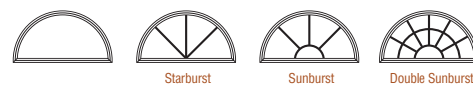
Distinctive windows with an interesting outlook.

- Round Top
- Half Ellipse
- Octagon
- Quarter-Round
- Full Round
- Triangle
- Trapezoid
- Pentagon
- Eyebrow
- Half Eyebrow

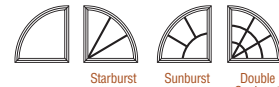


Contact Alside for size availability and limitations.

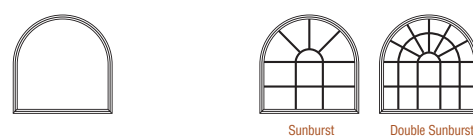
ROUND TOP



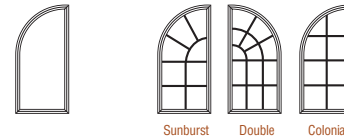
QUARTER ROUND



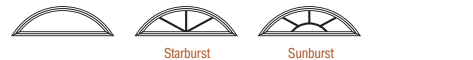
ROUND TOP with EXTENDED LEG



QUARTER ROUND with EXTENDED LEG



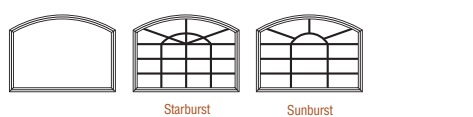
EYEBROW



HALF EYEBROW



EYEBROW with EXTENDED LEG



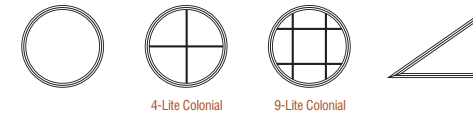
HALF EYEBROW with EXTENDED LEG



HALF ELLIPSE



FULL ROUND



TRIANGLE



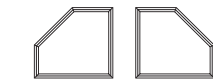
TRAPEZOID



OCTAGON



PENTAGON



Colors

Performance Series Windows are available in white or beige.



White

Beige

Grid Options

Designer grids lend an added measure of style and dimension to your windows. All grids are enclosed within the insulated glass unit for easy cleaning.

Choose from our selection of beautiful grid profiles and patterns to design the ideal window for your home:

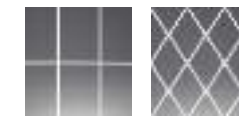
Classic Grids – available in Colonial, Diamond, Prairie and Double Prairie patterns

Contoured Grids – available in Colonial, Prairie and Double Prairie patterns

Gold Tone Brass Grids – available in Prairie and Double Prairie patterns

Narrow Brass Grids – available in a Colonial pattern

Grid Patterns:



Colonial

Diamond



Prairie

Double Prairie

Grid Profiles:



Classic White

Classic Beige

Contoured White



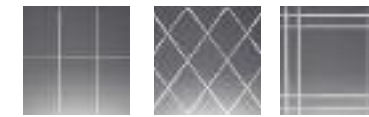
Contoured Beige

Gold Tone Brass

Narrow Brass

V-Grooved Cut Glass

Add a cut or polished V-grooved glass pattern to your window for the perfect touch of elegance.



Colonial

Diamond

Double Prairie



StarCrest

StarCrest II

StarCrest III

ClimaTech . . . your solution for increased window performance.

Our optional ClimaTech insulated glass package combines multi-layered low-emissivity (Low-E) glass, argon gas* and the PPG Intercept Warm-Edge Spacer System. ClimaTech is up to 40% more energy-efficient than most other Low-E or Mid-E glass systems and provides more than twice the energy efficiency of clear glass units.

Performance Series Windows with ClimaTech can exceed the performance requirements set forth by the U.S. Department of Energy in conjunction with the National Fenestration Rating Council (NFRC) test criteria.

One of the most critical NFRC tests measures the rate of heat loss through a window or door (U-Factor). The lower the U-Factor, the better the product is at resisting heat flow, resulting in a product with a greater insulating value.

Another critical NFRC test is for Solar Heat Gain Coefficient (SHGC). This procedure measures how well a product blocks heat caused by sunlight. Again, the lower the number, the less solar heat the window transmits into the home.

The performance can be enhanced with the addition of various ClimaTech insulated glass packages.



Low-E glass filters long-wave radiation from the sun. This reduces solar heat gain from the summer sun, helping to keep your home cooler.



Low-E glass takes on a new duty in winter months. It lets warm solar rays into your home, while preventing indoor heat from escaping.

