



Architectural Authenticity.  
Unparalleled Performance.



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The MOST RECOGNIZED, TRUSTED  
and RECOMMENDED\*  
brand of windows and patio doors.



Hanley Wood Builder Brand Use Study  
1998-2018  
Windows – Wood & Clad-Wood Category



Hanley Wood Remodeling Brand Use Study  
2006, 2010, 2013, 2015, 2017  
Windows – Wood & Clad-Wood Category



Awarded Most Environmentally Friendly  
Windows 7 years running  
2011-2018



Andersen Corporation, including its subsidiaries, has been named a 2018 ENERGY STAR® Partner of the Year – Sustained Excellence Award winner, the highest honor given by ENERGY STAR for continued leadership in protecting the environment through superior energy efficiency achievements.\*\*

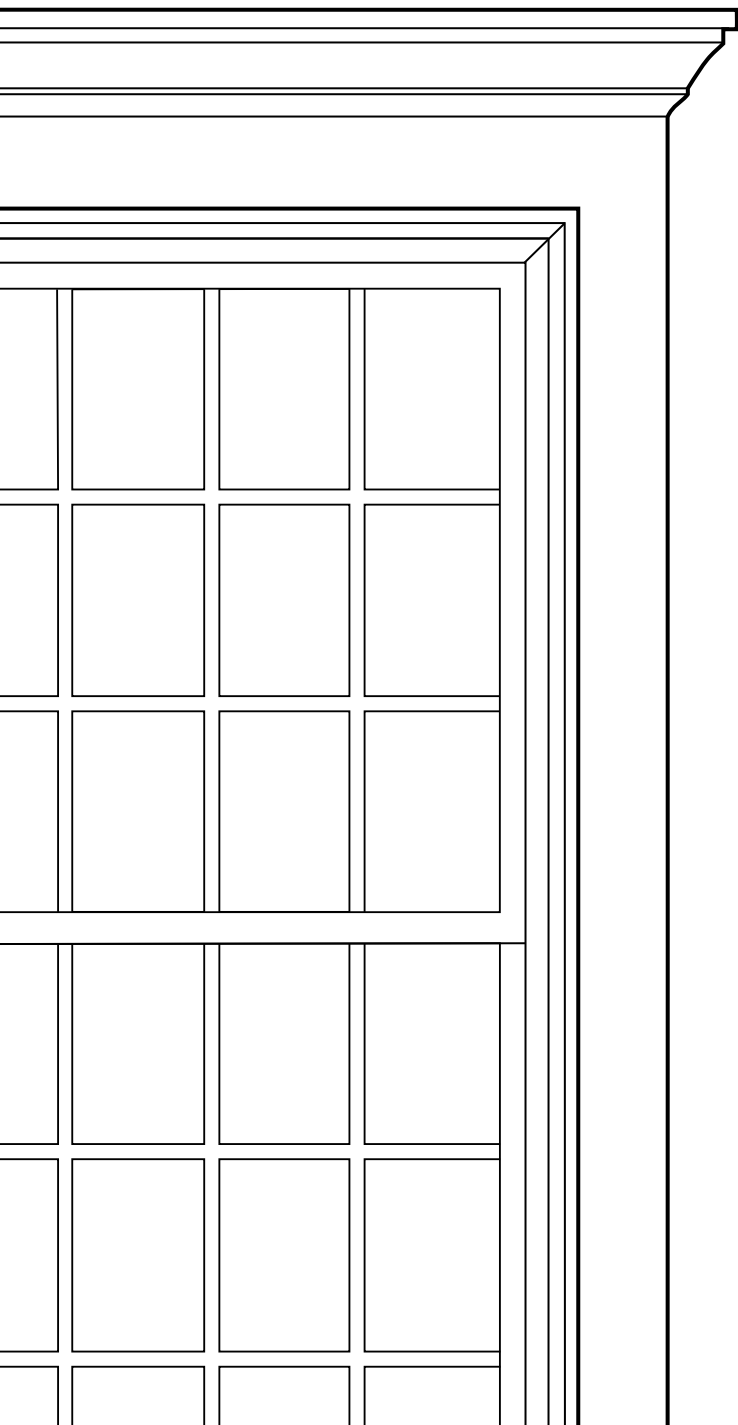


\*2018 U.S. Homeowner Brand Study of Andersen and Renewal by Andersen brands vs. competitive brands.  
\*\*"ENERGY STAR" is a registered trademark of the U.S. Environmental Protection Agency.

**Andersen**<sup>®</sup>  
ARCHITECTURAL  
COLLECTION



**A-SERIES**  
WINDOWS & DOORS



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## Create Distinction.

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Whether you're looking for traditional or contemporary style, performance or innovation, you'll find it in the Andersen<sup>®</sup> Architectural Collection.

Our A-Series windows and doors, as part of the Architectural Collection, were designed in tandem with architects to provide authentic architectural style. They share features such as sight lines, glass setback, interfaces and size grid, so they're easy to work with and easy to specify. And you can do so knowing you're choosing the best-performing, most energy-efficient windows and doors Andersen has ever offered.

For more information, visit [andersenwindows.com/a-series](https://andersenwindows.com/a-series).



# Unparalleled Performance

## **Our Best-Performing, Most Energy-Efficient Products.**

The beauty of A-Series products goes beyond their looks and authentic architectural style. They're also the best-performing, most energy-efficient windows and doors we've ever offered. At Andersen, we believe our job is to do more than just make windows and doors. It's also to make you look good to your customers today and for years to come.

## ENERGY-SAVING GLASS AND DESIGN

Andersen makes windows and doors with options that make them ENERGY STAR® v. 6.0 certified throughout the United States.

Visit [andersenwindows.com/energystar](http://andersenwindows.com/energystar) for more information and to verify that the product with glass option is ENERGY STAR certified in your area.



## RIGOROUSLY TESTED

A-Series products have withstood testing that has taken them from temperatures as cold as Alaskan winters to the heat of Death Valley summers. They've stood up to hurricane-force winds and prolonged exposure to sea air.\*

A-Series products feature the following ratings:

(Ratings vary by product performance and unit size. See the performance section for specific unit performance. For up-to-date performance values, visit [andersenwindows.com](http://andersenwindows.com).)

Windows PG50 (DP50)  
Gliding Patio Doors PG50 (DP50)\*\*  
Hinged Patio Doors PG45 (DP45)

**PG50**<sup>†</sup>  
**PERFORMANCE**

FWHID33100HP +50/-50  
(AAMA/WDMA/CSA 101/I.S.2/A440-08 & -11)

## BUILT STRONG

We use solid wood in interior door panels and window sash and frames, plus fiberglass on outer door frames and window sash exteriors, to provide an unmatched combination of strength, insulation, versatility and beauty. Additionally, our Fibrex® composite material used in window frames and trim components delivers twice the strength and rigidity of vinyl.



## VIRTUALLY MAINTENANCE-FREE EXTERIORS

Exteriors of A-Series windows and doors never need painting. They won't flake, rot, blister, peel, pit or corrode.†† Plus they're **warranted against corrosion for the life of the products,‡ with no washing or waxing required.††**



## WATER MANAGEMENT THAT WORKS

These features work together to direct water away from buildings:

- Hermetically sealed corner keys keep frames tight
- Sloped sill on double-hung windows
- Sill on patio doors channels water away from the home
- Innovative trim attachment flange secures trim independent of the window or door's water management system

WINDOWS AND DOORS WITH  
**StormWATCH**<sup>™</sup>  
PROTECTION

Andersen A-Series products are available with impact-resistant glass and structural upgrades to meet the tough building codes of coastal areas. Visit [andersenwindows.com/coastal](http://andersenwindows.com/coastal) or refer to the *Andersen® Coastal Product Guide* for more information. See your local building code official for specific requirements.

**PG70**<sup>‡‡</sup>  
**PERFORMANCE**

FWHID33100HP Impact DPUP +65/-70  
(AAMA/WDMA/CSA 101/I.S.2/A440-08 & -11)

## OWNER2OWNER<sup>®</sup> LIMITED WARRANTY

Our renowned Owner-2-Owner® limited warranty is fully transferrable and not prorated, making it one of the best coverage plans available — which means it can add resale value for your customers. It's also supported by the industry's largest service network.††

## SEALS OUT THE WEATHER

Weather-resistant seals stand up to eight inches of rain per hour and hurricane-force winds.\* Double-hung windows feature a dual-bulb seal, and casement windows use refrigerator-type gaskets to help keep air and water out.

## FIBERGLASS JOINING SYSTEM

Reinforced joining options using innovative 4 9/16" fiberglass joining plates, provide enhanced performance, design flexibility and the ultimate in job site conveniences. See page 24 to learn more.

\* Tested to AAMA/WDMA/CSA 101/I.S.2/A440-08 & -11 PG50.

\*\* Three- and four-panel gliding doors 8' height units PG40.

† FWHID33100HP +50/-50 (AAMA/WDMA/CSA 101/I.S.2/A440-08 & -11). For more information, visit [andersenwindows.com/a-series](http://andersenwindows.com/a-series).

†† Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

‡ Hardware excluded.

‡‡ FWHID33100HP Impact DPUP +65/-70 (AAMA/WDMA/CSA 101/I.S.2/A440-08 & -11). For more information, visit [andersenwindows.com/coastal](http://andersenwindows.com/coastal).  
"ENERGY STAR" is a registered trademark of the U.S. Environmental Protection Agency.



**CRAFTSMAN BUNGALOW**

*Shown with quintessential Andersen® A-Series window and door combinations.*

## An Authentic Innovation for Authentic Style.

For a home to be authentic to an architectural style, its windows and doors must be authentic to the style as well. Not only the type of windows and doors, but also their exterior trim, color palettes, grille patterns, hardware, wood species and interior finish.

That's why Andersen has created the Home Style Library. A first in the industry, the style library shows how easily you can use A-Series products and their innovative system of options to make architectural authenticity not only possible, but also easy to achieve.



Industrial Modern

**THE HOME STYLE LIBRARY**

Years of research have culminated in a powerful tool we call our Home Style Library that makes it easier than ever for you to create homes in a wide variety of architectural styles.

**CREATING A COMMON LANGUAGE WITH HOMEOWNERS**

Our Home Style Library gives you, your clients and your customers a shared vocabulary that makes it easy to discuss style preferences and architectural details.

**THE ELEMENTS OF STYLE**

Each home featured in our Home Style Library contains suggested combinations of Andersen® A-Series windows, doors, hardware, exterior trim and color palettes that are authentic to that home's architectural style.

The A-Series product combinations shown here were selected with the help of leading architects to create the Craftsman Bungalow home shown to the left.



Tall fractional with simulated check rail grille pattern

A-Series casement window: Dark Bronze

Flat exterior trim with extended sill nose: Prairie Grass

**A-SERIES STYLE RECOMMENDATIONS**

**EXTERIOR COLOR**



Prairie Grass/Dark Bronze

**INTERIOR STAIN**



Espresso

**HARDWARE**



Window: Traditional Folding Handle

Patio Door: Albany

Finish: Black

**HOME STYLE LIBRARY PREVIEW**

The Home Style Library includes classically recognized architectural styles. To view our complete Home Style Library, or to share it with your customers, visit [andersenwindows.com/stylelibrary](http://andersenwindows.com/stylelibrary).



French Eclectic



American Farmhouse



Georgian/Federal



Cape Cod



Tudor



Queen Anne



Prairie



## Exterior Options to Match Any Style.

A-Series products are available in a wide range of exterior colors and exterior trim choices. Even in harsh conditions, they're virtually maintenance-free, hold their original vibrant colors, never need painting and won't flake, rot, blister, peel, pit or corrode.\*

Select any combination of colors shown here for your exterior frame, sash and trim.

### EXTERIOR COLORS



\* Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.  
 Printing limitations prevent exact duplication of colors. See your Andersen supplier for actual color samples.



## EXTERIOR TRIM THAT FITS WINDOWS, PATIO DOORS AND YOUR VISION

Exterior trim adds a finishing touch to your windows or doors and is often essential in achieving authentic architectural style.

- Trim is available to complement a wide range of architectural styles
- Trim is low maintenance and never needs painting
- Trim can be ordered as pre-assembled surrounds, in precut kits or as individual components
- Innovative trim attachment flange on A-Series windows allows pre-assembled exterior trim surrounds to be installed in seconds
- Installed independent of the window or door's water management system



Flat with cornice head  
Exterior trim color:  
Canvas

Frame exterior color:  
Sandtone

Sash exterior color:  
Cocoa Bean

## EXTERIOR TRIM STYLE OPTIONS



**2" (51) Brick Mould**  
shown in Canvas



**3 1/2" (89) or 4 1/2" (114) Flat**  
shown in Terratone



**3 1/2" (89) or 4 1/2" (114) Flat with extended head**  
shown in Red Rock



**3 1/2" (89) or 4 1/2" (114) Flat with decorative drip cap**  
shown in Forest Green



**3 1/2" (89) or 4 1/2" (114) Flat with 2" (51) cornice head**  
shown in Prairie Grass



**3 1/2" (89) or 4 1/2" (114) Flat with 3 5/8" (92) cornice head**  
shown in White

## EXTERIOR TRIM SILL OPTIONS



**2" (51) Brick Mould with extended sill nose**  
shown in Terratone



**3 1/2" (89) or 4 1/2" (114) Flat**  
shown in Sandtone



**3 1/2" (89) or 4 1/2" (114) Flat with extended sill**  
shown in White



**3 1/2" (89) or 4 1/2" (114) Flat with extended sill nose**  
shown in Prairie Grass

Dimensions in parentheses are in millimeters.  
Printing limitations prevent exact duplication of colors.  
See your Andersen supplier for actual color samples.



## Interior Options to Match Any Vision.

With six natural wood species, a variety of painted interiors and six, rich factory-finished stain options, the A-Series products provide the flexibility you need to create interiors that please both you and your customers.

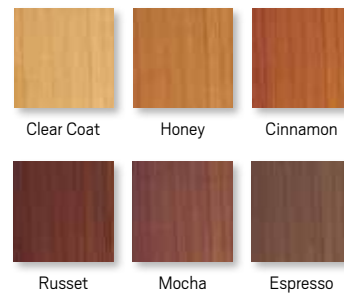
### INTERIOR WOOD SPECIES OPTIONS



\* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. Naturally occurring variations in grain, color and texture of wood make each window one of a kind. We cannot guarantee consistency in wood grain and/or color within a particular species, product or project. Printing limitations prevent exact replication of colors and finishes. See your Andersen supplier for actual color and finish samples.

### STAINED INTERIOR OPTIONS

Shown on pine. Available on pine, maple and oak only.



### PAINTED INTERIOR OPTIONS

Available on pine.



Additional colors to match all 11 exterior colors are also available, contact your Andersen supplier.

# Beauty in the Details.\*

The hardware for our A-Series windows is created exclusively for Andersen and is made of forged metal for added strength. A range of available finishes makes it easy for customers to coordinate their window hardware with their cabinet hardware, faucets and other room décor.

Also available with VeriLock® Security Sensors, one of the most advanced technologies in the industry. For more information, see pages 16-17 or visit [andersenwindows.com/connect](http://andersenwindows.com/connect).



The tilt-in feature of A-Series double-hung windows allows one-hand operation for easier cleaning.

## DOUBLE-HUNG HARDWARE

### TRADITIONAL

Lock & Keeper



Hand Lift



Bar Lift



Finger Lift



*Bold name denotes finish shown.*

- Antique Brass
- Black
- Bright Brass
- Brushed Chrome
- Distressed Bronze
- Distressed Nickel

- Gold Dust
- Oil Rubbed Bronze
- Polished Chrome
- Satin Nickel**
- Stone
- White

## CASEMENT AND AWNING HARDWARE

### TRADITIONAL FOLDING



### CONTEMPORARY FOLDING



*Bold name denotes finish shown.*

- Antique Brass**
- Black
- Bright Brass
- Brushed Chrome
- Distressed Bronze
- Distressed Nickel
- Gold Dust
- Oil Rubbed Bronze
- Polished Chrome
- Satin Nickel
- Stone
- White

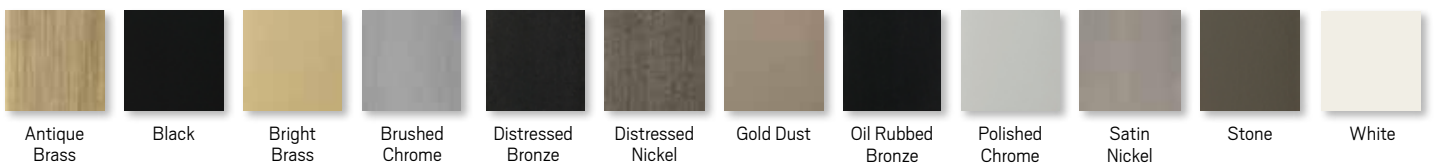
- Black**
- Bright Brass
- Gold Dust
- Oil Rubbed Bronze
- Satin Nickel
- Stone
- White

*Folding handle avoids interference with window treatments.*



Casement locking mechanism

## WINDOW HARDWARE FINISH OPTIONS



\* Hardware sold separately except double-hung lock and keeper. Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use. Printing limitations prevent exact replication of finishes. See your Andersen supplier for actual finish samples.

• DOOR HARDWARE •

*Bold name denotes finish shown.*

# Hardware for Every Door. Styles for Every Person.\*



**YUMA®**

Distressed Bronze | **Distressed Nickel**

**ENCINO®**

**Distressed Bronze** | Distressed Nickel

**ANVERS®**

Bright Brass | Oil Rubbed Bronze  
**Satin Nickel**

**NEWBURY®**

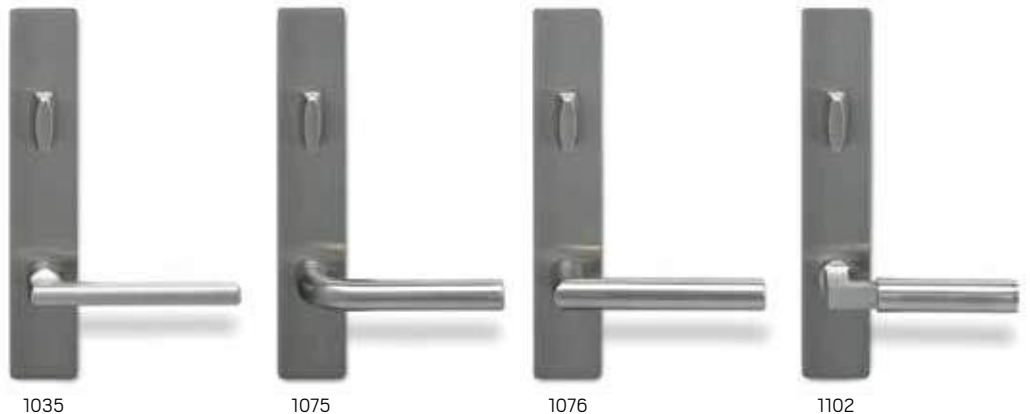
Antique Brass | Bright Brass  
Brushed Chrome  
**Oil Rubbed Bronze**  
Polished Chrome | Satin Nickel

**FSB® HINGED PATIO DOOR HARDWARE**

Durable, stainless steel FSB® hinged door hardware features clean lines and a sleek satin finish for a thoroughly modern look. Choose from four handle styles.



Satin Stainless Steel



\* Hardware sold separately.  
"FSB" is a registered trademark of Franz Schneider Brakel GmbH & Co.

A-Series patio door hardware is available in a variety of different designs to match virtually any style. Yuma®, Encino®, Anvers®, Newbury®, Covington™ and Whitmore® hardware options each feature solid, drop-forged brass for added strength, while Albany and Tribeca® hardware options are made of diecast zinc with durable powder-coated finishes. Additional hardware options such as exterior keyed locks, matching hinge finishes and more are also available. See pages 16-17 for information on the Yale® Assure Lock® and other Smart Home Solutions.



**COVINGTON™**  
Antique Brass | **Bright Brass**  
Oil Rubbed Bronze



**WHITMORE®**  
Antique Brass | Bright Brass  
Oil Rubbed Bronze | Satin Nickel



**ALBANY**  
Black | **Gold Dust**  
Stone | White



**TRIBECA®**  
Stone | **White**



**DOOR HARDWARE FINISH OPTIONS**



\* Hardware sold separately.  
Matching hinges available in most hardware finishes for inswing patio doors.  
Distressed bronze and oil rubbed bronze are “living” finishes that will change with time and use.  
Bright brass and satin nickel finishes on patio door hardware feature a 10-year limited warranty.  
Printing limitations prevent exact replication of finish. See your Andersen supplier for actual finish samples.

• GRILLES •

# A-Series Grilles for Every Home.

Andersen® A-Series windows and doors offer a variety of architecturally authentic grille types and standard grille patterns. We'll also work with you to provide your customers with custom grille designs for a signature look.



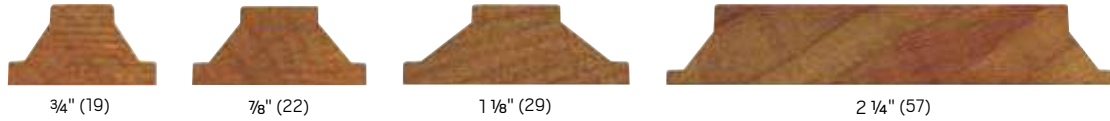
To see all the standard patterns available for a specific window or door, refer to the detailed sections of this book for each product or contact your Andersen supplier.

Diamond	Queen Anne	Colonial	Modified Colonial	Modified Colonial with 2 1/4" (57) rail*
Tall Fractional	Tall Fractional with 2 1/4" (57) rail*	Short Fractional	Short Fractional with 2 1/4" (57) rail*	Prairie A
Simulated Double-Hung Our 2 1/4-inch-wide grille can make a casement window look like a double-hung.	2x2	1x4	Specified Equal Light**	
			Custom Patterns	

\* Simulated check rails are also available in 7/8" (22) and 1 1/8" (29) widths.  
 \*\* Specify number of same-size rectangles wide or high. Some restrictions may apply.  
 Some grille patterns not available in all configurations and products. Dimensions in parentheses are in millimeters.

**GRILLE WIDTHS (ACTUAL SIZE SHOWN)**

Shown: Cross sections of grilles showing standard widths and profiles

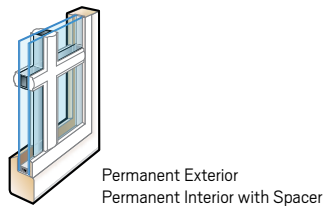


Our 2 1/4\"(57) width grille can be positioned horizontally across the center of a casement window to simulate the look of a double-hung window.

**GRILLE CONFIGURATIONS**

**FULL DIVIDED LIGHT**

For an authentic look, Full Divided Light grilles are permanently applied to the interior and the exterior of the window with a spacer between the glass.

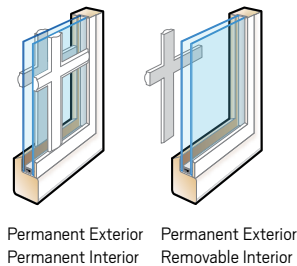


**Spacer Option for Greater Energy Efficiency**

The Energy Spacer option is available to help A-Series products with full divided lights and SmartSun™ glass be ENERGY STAR® certified in the Northern climate zone. Its narrow design creates a 3-millimeter gap around the spacer, helping to lower U-Factor values.

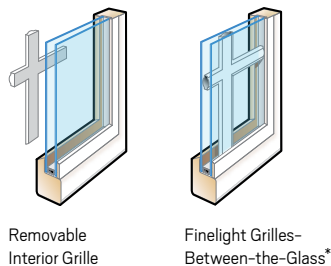
**SIMULATED DIVIDED LIGHT**

Simulated Divided Light offers permanent grilles on the exterior and interior with no spacer between the glass. We also offer permanent exterior grilles with removable interior grilles, available in natural wood or prefinished white.



**CONVENIENT CLEANING OPTIONS**

Removable interior grilles come off for easy cleaning. Andersen® Finelight™ grilles are installed between the glass panes and feature a contoured 1\"(25) or 3/4\"(19) profile.



\* 7/8\"(22), 1 1/8\"(29) and 2 1/4\"(57) not available in Finelight grilles-between-the-glass. Dimensions in parentheses are in millimeters.

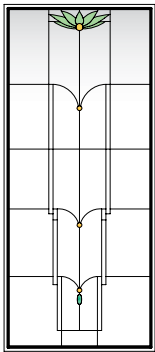
• ART GLASS •

## Between-the-Glass Art Glass. Statements in Beauty, Style and Color.

A-Series products are available with between-the-glass art glass, which places the decorative panel between the glass panes, providing superior protection for the art glass and making it easy to keep clean. Contact your Andersen supplier for availability.

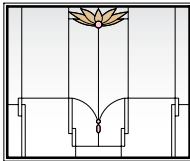


### HISTORIC AND CLASSIC SERIES\*



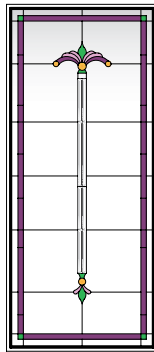
**LOTUS**

Light Green, Amber jewels and Green jewels



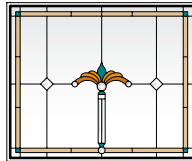
**LOTUS**

Sand, Pink jewels



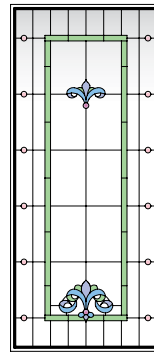
**REGENCY**

Deep Rose, Deep Green, Rose, and Opal Amber jewels



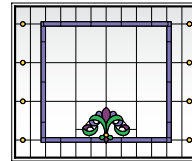
**REGENCY**

Sand, Deep Teal, Topaz, Copper and Smoke jewels



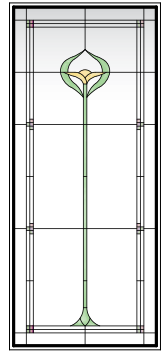
**VICTORIA**

Light Green, Lilac, Light Blue, Pink jewels and Lilac jewels



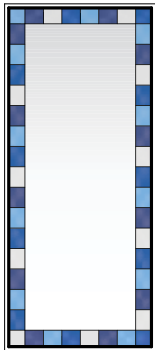
**VICTORIA**

Violet, Deep Rose, Deep Green and Amber jewels



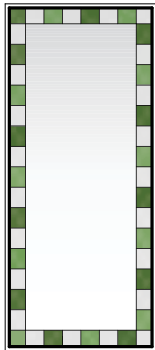
**ARTS & CRAFTS**

Olive Green, Pale Amber, Clear Waterglass and Avocado and Tangerine tiles



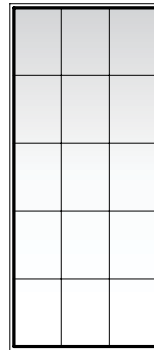
**QUEEN ANNE**

Pale Blue, Navy Blue, Clear Waterglass, Dark Blue, Clear

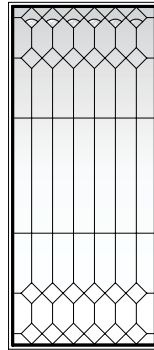


**QUEEN ANNE**

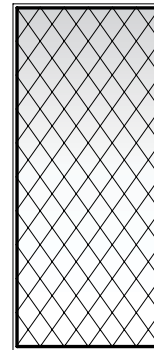
Olive Green, Clear Waterglass, Moss Green, Clear



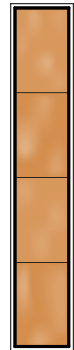
**RECTANGULAR GRID**



**DIAMOND LIGHTS**



**DIAMOND GRID**



**AMBER**

\* Classic Series art glass patterns are available with semi-privacy glass or clear antique glass in place of colored glass. Additional color palettes are available. Patterns will vary based on product size and shape. Illustrations (except Amber) depict patterns for 6068 patio door panel.





QUEEN ANNE DESIGN



VICTORIA DESIGN



ARTS & CRAFTS DESIGN

**ART GLASS COLOR OPTIONS**

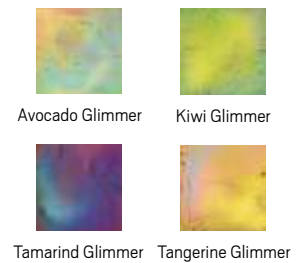
You can order Andersen® art glass designs in standard color palettes or create custom combinations. Color palettes and accent jewels for custom combinations are predetermined by style of art glass. In addition to the colored glass shown below, Clear, Clear Antique, Clear Waterglass, along with textured Semi-privacy (double glue chip) and Light Restoration glass, is also available. For more on custom capabilities, contact your Andersen supplier.



**AC EWELS**



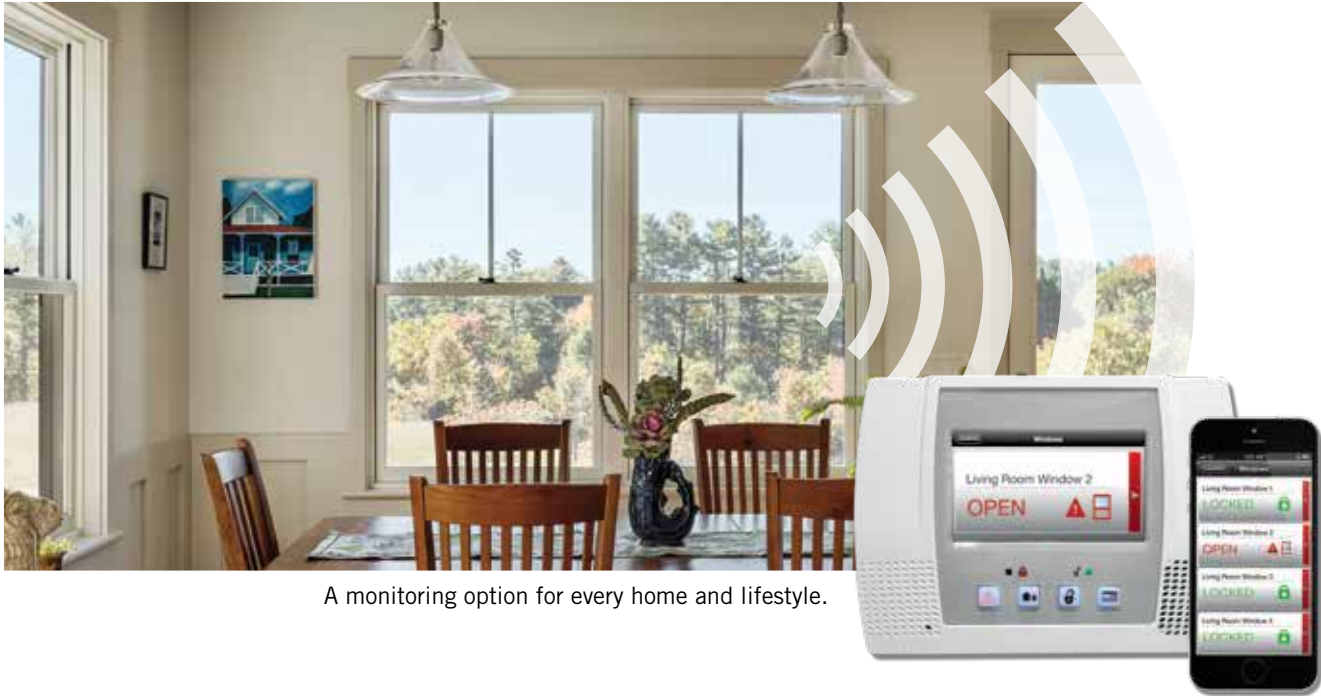
**IRIDESCENT ACCENT TILES**



Art glass changes appearance greatly based on lighting in its environment, making it beautiful to look at yet difficult to represent accurately in print. Printing limitations prevent exact color replication. Andersen art glass panel patterns vary based on window size and shape. Colors in the Classic Series and Historic Series may also vary. Contact your Andersen supplier for more information.

# The Smartest Technology for the Smartest Homes

Andersen® A-Series products can now be part of today's connected home. Homeowners can manage the status of their windows and patio doors anytime and from anywhere and with our new Yale® Assure Lock® remotely lock or unlock their hinged patio doors. Learn more about managing security and the convenience and peace of mind Andersen smart home products offer at [andersenwindows.com/connect](http://andersenwindows.com/connect).



A monitoring option for every home and lifestyle.

## Yale® Assure Lock® for Andersen® Patio Doors\*

Never worry about carrying or losing keys again. Monitor, lock and unlock from anywhere with the Yale Assure Lock. The sleek key free lock includes Bluetooth® for keyless unlocking and is compatible with Z-Wave® for integration with a wide range of smart home platforms.



Yale Assure Lock shown in Satin Nickel.

- **One-Touch Locking**  
Lock up without the hassle of keys by simply tapping the keypad.
- **Key Free**  
No cylinder means no lost keys and no pick and bump break-ins.
- **Battery Back-Up**  
Never lose power, the lock can be energized with a 9V battery.
- **VeriLock® Security Sensors**  
Know whether your doors are open, closed, locked or unlocked.\*\*
- **Smart Home Integration**  
Monitor, lock and unlock from anywhere.\*\*



Satin Nickel

Yale Assure Lock is available with Anvers® hardware in a Satin Nickel finish. For additional finish options, please see your Andersen supplier.

\* Available on select Andersen hinged patio doors, see your Andersen supplier for details.

\*\* When properly configured and maintained with a professionally installed security system and/or self-monitoring system compatible with Honeywell® 5800 controls. See your supplier for more information.

All marks where denoted are trademarks of their respective owners. Yale manufactures and supports the limited warranty for Yale Assure Lock for Andersen patio doors.

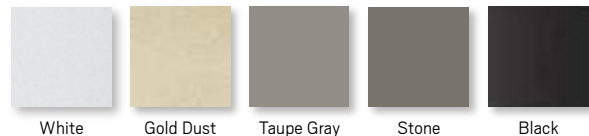
## VeriLock® Security Sensors

With the most advanced technology in the industry, VeriLock® security sensors not only indicate whether windows and patio doors are open or closed, they even tell you if they are locked or unlocked.† No other sensor can do that.



VeriLock sensor shown in White with Newbury® hardware in Satin Nickel.

- Maintains Warranty**  
 No drilling required which can void warranties.
- Helps Maximize Energy Efficiency**  
 Windows that are closed, but unlocked, lose air at a rate up to 3X that of a closed and locked window.\*\* VeriLock sensors tell you which windows and patio doors are open or unlocked† so you can help manage air loss.\*\*
- Preserves Beauty**  
 Available in a variety of colors to complement many Andersen hardware or interior finishes.



## Wireless Open/Closed Sensors

These wireless sensors provide the peace of mind of knowing whether windows and patio doors are open or closed.†



Open/closed sensor shown in White.

- Easy Installation**  
 No tools are required to install our sensors. Simply place the sensor on a window or patio door and line up the magnet with the sensor until the LED glows blue.†
- Maintains Warranty**  
 No drilling required which can void warranties.
- Compact Design**  
 Sleek, compact design for a clean appearance, available in a variety of colors to blend in with the window or patio door.



\* When properly configured and maintained with a professionally installed security system and/or self-monitoring system compatible with Honeywell® 5800 controls. See your Andersen supplier for more information.

\*\* Based on testing of thirty-two (32) A-Series double-hung windows. Air loss through unlocked windows will vary based on window type and age, pressure differential, temperatures inside and outside the home, altitude and application.

† See product installation for details.

• GLASS •



# Best-in-Class Glass.

Choose from a variety of high-performance glass options, including new triple-pane glass and HeatLock® technology for even greater energy efficiency.

### TRIPLE-PANE GLASS

Three panes of glass combine with either argon gas blend or air and Low-E coatings to provide enhanced energy performance. Adding triple-pane glass to one of our windows or doors results in a lower U-Factor value than using regular dual-pane glass.

### HEATLOCK® TECHNOLOGY

Our HeatLock coating can increase the energy efficiency of any A-Series window or door with Low-E4® or SmartSun™ glass. Applied to the room-side glass surface, it reflects heat back into the home for improved performance.

Additional glass options are also available. Visit [andersenwindows.com](http://andersenwindows.com) or see your Andersen supplier. See your local supplier for actual glass samples.



### LOW-E4® SMARTSUN™ GLASS

It helps shield your home from the sun's heat, filtering out 95% of harmful UV rays while letting sunlight shine through, plus it provides all the benefits of Low-E4 glass.



### LOW-E4 GLASS

Outstanding thermal performance for climates where both heating and cooling costs are a concern. It comes standard on all A-Series products and is up to 57% more energy efficient than ordinary dual-pane glass.\*



### LOW-E4 SUN GLASS

Outstanding thermal performance in southern climates where less solar heat gain is desired. It's tinted for maximum protection from the effects of intense sunlight while providing all the benefits of Low-E4 glass.

## PERFORMANCE COMPARISON OF ANDERSEN® A-SERIES GLASS OPTIONS

GLASS	ENERGY		LIGHT	
	U-FACTOR	SOLAR HEAT GAIN COEFFICIENT	VISIBLE LIGHT TRANSMITTANCE	UV PROTECTION
	How well a product prevents heat from escaping.	How well a product blocks heat caused by sunlight.	How much visible light comes through a product.	How well a product blocks ultraviolet rays.
<b>SmartSun</b>	● ● ● ○	● ● ● ●	● ● ● ○	● ● ● ●
<b>SmartSun</b> with HeatLock® Coating	● ● ● ●	● ● ● ●	● ● ○ ○	● ● ● ●
<b>Low-E4</b>	● ● ● ○	● ● ● ○	● ● ● ○	● ● ● ○
<b>Low-E4</b> with HeatLock® Coating	● ● ● ●	● ● ● ○	● ● ● ○	● ● ● ○
<b>Sun</b>	● ● ● ○	● ● ● ●	● ○ ○ ○	● ● ● ○
<b>PassiveSun®</b>	● ● ● ○	● ○ ○ ○	● ● ● ○	● ● ● ○
<b>Triple-Pane</b> with Low-E coatings on two surfaces	● ● ● ●	● ● ● ○	● ● ● ○	● ● ● ●
<b>Clear Dual-Pane</b>	● ○ ○ ○	○ ○ ○ ○	● ● ● ●	○ ○ ○ ○

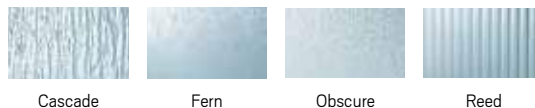
Center of glass performance only. Ratings based on glass options as of January 2018. Visit [andersenwindows.com/energystar](http://andersenwindows.com/energystar) for ENERGY STAR® map and NFRC total unit performance data.

### TIME-SAVING TRANSLUCENT FILM

We help protect all of our products during delivery and construction with a translucent film on the glass. It also minimizes time spent masking on the job site, then peels away for a virtually spotless window. For details, contact your Andersen supplier.

### PATTERNED GLASS

Patterned glass lets in light while obscuring vision and adds a unique decorative touch to your home.



Cascade and Reed patterns can be ordered with either a vertical or horizontal orientation.

\* Summer values are based on comparison of Andersen A-Series double-hung window SHGC to the SHGC for clear dual-pane glass non-metal frame default values from the 2006, 2009, 2012, 2015 and 2018 International Energy Conservation Code "Glazed Fenestration" Default Tables.

"ENERGY STAR" is a registered trademark of the U.S. Environmental Protection Agency.

# Our Insect Screens Come in Different Types. Just Like Insects Do.



Optional insect screens are available for all A-Series products. Patio doors feature Andersen® fiberglass insect screens. For windows, choose aluminum insect screens or TruScene® insect screens for a more unobstructed view.

## TRUSCENE® INSECT SCREENS

Made with a micro-fine stainless steel mesh, exclusive Andersen TruScene insect screens provide 50% greater clarity than our conventional insect screens. They let more fresh air and sunlight in, while doing a better job of keeping out small insects. Exterior TruScene insect screen frames are available in all standard colors. Interior insect screens are available with prefinished wood veneer frames as well as all interior painted options.

TruScene insect screens are not available on patio doors. All comparisons are made to Andersen aluminum-mesh insect screens.



## PREFINISHED WOOD FRAME OPTIONS

Casement and awning frames with TruScene insect screens are available in six wood veneers and six stain colors to match the interior finish. Pine frame with clear finish is shown.



## FRAME OPTIONS FOR ALUMINUM INSECT SCREENS

For casement and awning windows, aluminum insect screen frames are available in Stone, White or Gold Dust, shown below from the interior, as well as all interior painted options — Sandtone, Canvas, Dark Bronze and Black. Insect screen frames for all other windows are installed on the exterior of the window and match the unit's exterior color.



Stone



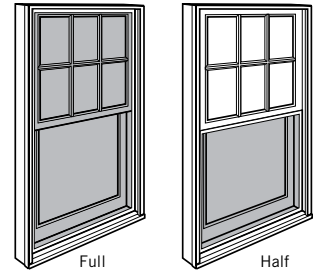
White



Gold Dust

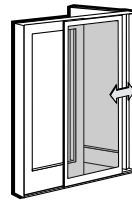
## WINDOW CONFIGURATIONS

Full insect screens are available for all operating A-Series windows. Our double-hung windows also have the option of insect screens that cover only the lower sash.

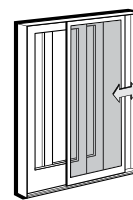


## PATIO DOOR INSECT SCREEN CONFIGURATIONS

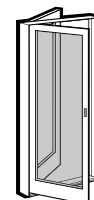
A-Series patio door insect screens are available in several styles, including a premium top-hung gliding design for gliding and hinged doors.



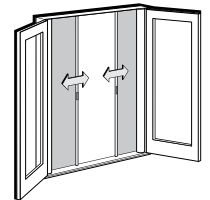
Premium top-hung gliding design allows for smooth and effortless operation without the interference of dust and debris. Shown on an inswing door and also available for two- and four-panel gliding doors.



Conventional gliding shown on gliding door, has bottom rollers with self-contained leveling adjusters. Also available for four-panel gliding and two-panel inswing doors.



Hinged shown on inswing door. Also available for two-panel inswing doors.



Retractable shown on outswing door neatly retracts into small canister. Also available for single-panel door. Retractable also available for gliding doors.

# Additional Andersen® Products

Windows in dramatic sizes and extraordinary shapes, plus handcrafted entranceways and patio doors, are available to complement A-Series products.

Selection includes specialty shaped casement windows, curved top patio doors, hinged inswing and outswing entry doors and folding outswing doors. Choose from 11 standard A-Series colors. Custom colors, sizes and shapes are also available.



## ENTRANCEWAYS

Andersen® entranceways combine performance, exceptional beauty and detail with dramatic sizes and shapes to turn ordinary entranceways into grand statements. For more information, see page 187.

**The very finest grades** of oak, maple, cherry, pine, mahogany,\* alder, vertical grain douglas fir, walnut, hickory and mixed grain douglas fir. Other wood species are available through special order.

**Divided light grilles** in standard and custom patterns.

**Sidelights and transoms** give you increased design flexibility.

**Optional hardware** comes in a variety of styles and finishes.

**A wide variety of glass options** offer energy efficiency and beauty. Decorative glass options also available.

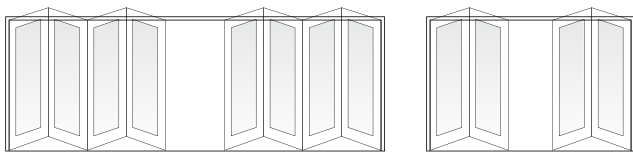


\* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.



## FOLDING DOORS

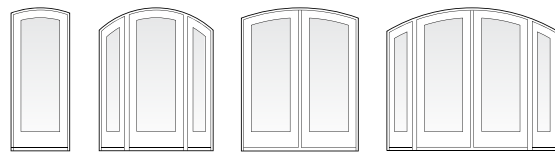
When closed, these folding outswing doors are a stately wall of light. When open, they fold virtually out of sight. Choose from configurations up to 48' (14630) wide and 10' (3048) high, with operating modes that allow the patio doors to open from the left, right or center. Available in traditional or contemporary panel styles. For more information, see page 179 or visit [andersenwindows.com/foldingdoors](http://andersenwindows.com/foldingdoors).



Illustrations shown as viewed from interior.

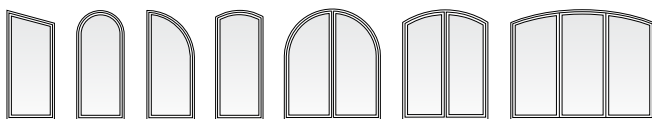
## COMPLEMENTARY CURVED TOP PATIO DOORS

With features like Romanesque arches, towering transoms and insulated decorative glass, nothing else quite matches the grandeur Andersen® complementary curved top patio doors can bring to a home. For more information, see page 163.



## COMPLEMENTARY CASEMENT WINDOWS

Andersen complementary casement windows offer easy operation along with old-world style. They include French casements — twin sash inside one frame with no mullion post between them like ordinary casements — that give you a totally unobstructed view. Complementary casement windows are available in rectangles, trapezoids and a variety of arched shapes. For more information, see page 117.



Dimensions in parentheses are in millimeters.



### COMMON SIZE GRID

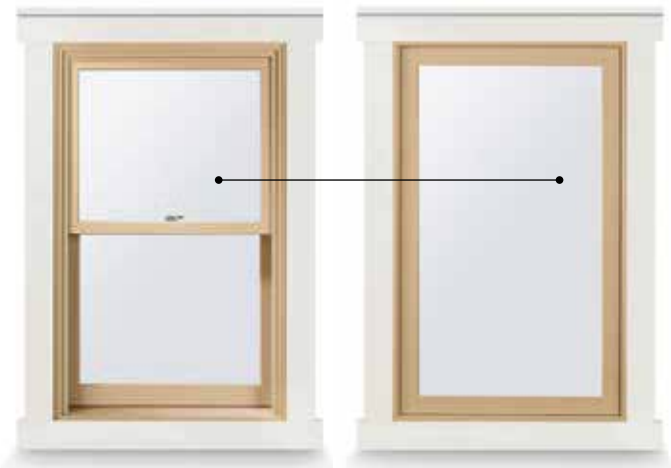
Common sizes in four-inch increments are based on the rough opening to simplify framing and specifying. Even-inch sizes eliminate fractions and reduce jobsite errors. A  $\frac{3}{4}$ -inch (19) gap horizontally and vertically leaves room for shims, insulation and sill flashing.

### CUSTOM SIZING

All Andersen® A-Series windows and doors can be ordered in  $\frac{1}{8}$ -inch (3) increments, providing flexibility for replacement, remodeling, new construction or light commercial projects.

### COMMON GLASS SETBACK

A common glass setback on A-Series windows and patio doors delivers noticeably clean shadow lines both inside and out.



The upper sash of double-hung windows align perfectly with casement windows, awning windows, picture windows, patio doors and transoms.



### COMPLETE ALIGNMENT

Common sight lines allow you to specify any combination of window styles and still have them match and align perfectly.



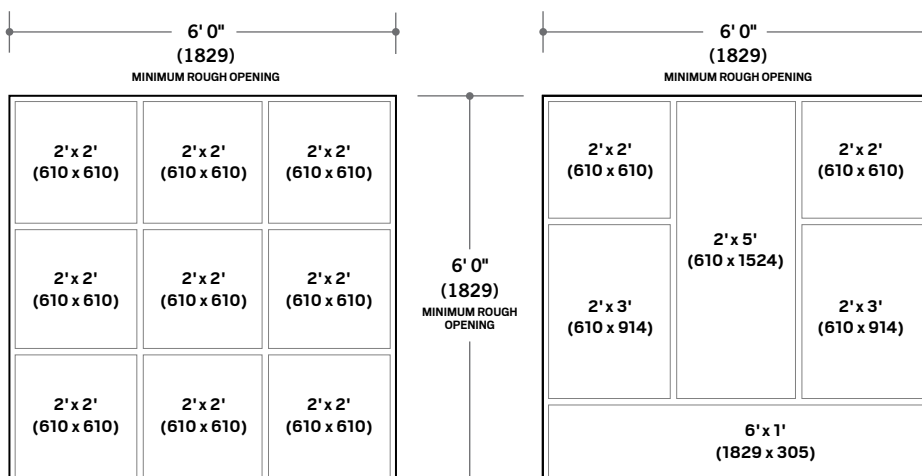
Windows share the same sash design, grille profiles and frame depth for consistent beauty with classic appeal.



### EASY MATH

The A-Series window and door system simplifies selection and installation of multiple windows within a single rough opening.  $\frac{3}{4}$ -inch (19) horizontal and vertical joints keep sizing consistent no matter how many or what size windows you combine.

The spacing in these illustrations is exaggerated for demonstration purposes.

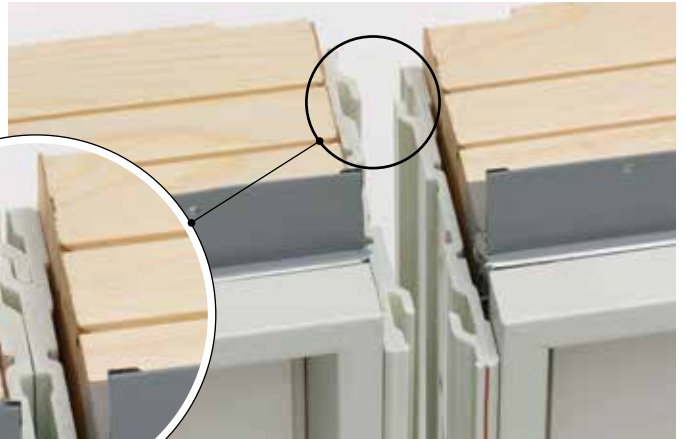


Dimensions in parentheses are in millimeters.

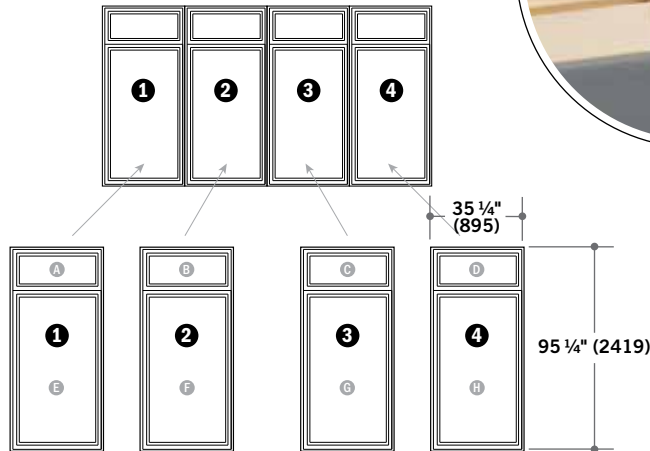
# The Ultimate in Jobsite Convenience\*

Andersen® reinforced joining options provide enhanced performance, design flexibility and jobsite conveniences.

Choose from three joining options to achieve monumental window combinations. These joining options utilize the strength and durability of fiberglass construction and offer the design flexibility of achieving both one-way and two-way combinations. For more information, visit [andersenwindows.com/joining](http://andersenwindows.com/joining).

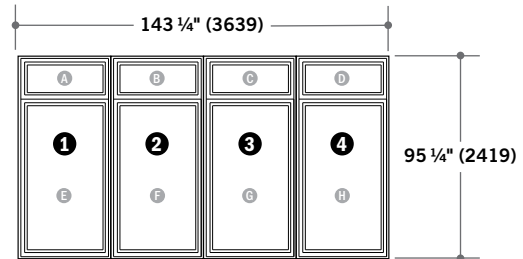


This innovative patented system utilizes 4 9/16" (116) interlocking fiberglass joining plates.



**4 groups, 1 over 1 combination**

Weight of each combination shown with Low-E4® glass is approximately 135 lbs or 61.235 kg



**1 group, 4 over 4 combination**

Combination weight shown with Low-E4 glass is approximately 540 lbs or 244.94 kg

## EASY CONNECT JOINING SYSTEM

Receive lighter, easier-to-handle, pre-assembled smaller combinations that join together as you install them into the rough opening, making it easier to install large combinations. In fact, most contractors surveyed said they could **reduce the number of installers by 50% using the Andersen Easy Connect Joining System.\*\***

## FACTORY JOINED COMBINATIONS

Eliminate the need for jobsite assembly and receive fully joined, factory-assembled window combinations to fit rough openings up to 12' x 8' or 8' x 12'.

	REINFORCED EASY CONNECT JOINING SYSTEM	REINFORCED FACTORY JOINED COMBINATIONS	REINFORCED JOINING KITS
ASSEMBLY	IN THE OPENING	FACTORY	JOBSITE
READY TO INSTALL in the opening	●	●	
NUMBER OF INSTALLERS NEEDED**	FEWER	MORE	MORE
HALLMARK CERTIFIED for Air, Water & Structural Performance†	●	●	●
Tested to AAMA 450	●	●	●
HIGH VELOCITY HURRICANE ZONE (HVHZ) Approved	●	●	●
COMBINATION SIZE LIMITATION	Max. Join Length: of 12' (3658) in one direction, no maximum in the other direction	Max. Join Length: of 12' x 8' or 8' x 12' (3658 x 2438 or 2438 x 3658)	Max. Join Length: of 12' (3658) in one direction, no maximum in the other direction

\* Available on select windows, see your Andersen supplier for details.

\*\* 69% of 156 builders/general contractors in a 2018 survey said they could reduce the number of installers by half using the Easy Connect Joining System when comparing the installation of a 12' wide x 8' high pre-assembled window combination unit with four 3' wide x 8' high window combination units.

† When installed according to Andersen installation instructions.

Dimensions in parentheses are in millimeters.

# WINDOWS

CUSTOM SIZING  
in 1/8" (3) increments



## SECTION REFERENCE

### Casement

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Dimensions in parentheses are in millimeters.

# WINDOWS

## FEATURES

### CASEMENT & AWNING

#### Frame

**A** Frame constructed with a wood core and a Fibrex® composite material exterior. This construction produces a rigid frame and a low-maintenance, durable exterior.

**B** Wood members are treated with a water-repellent preservative for long-lasting\* protection and performance.

**C** The weatherstripping system combines an exterior watershed design and a foam weatherstrip seal between the sash and frame, providing a long-lasting, energy-efficient barrier against wind, water and dust.

**D** A factory-applied rigid vinyl flange helps seal the unit to the structure. Available in a standard design or in a trim flange design (shown). The trim flange allows for Andersen® exterior trim surrounds to be applied in seconds after window installation.

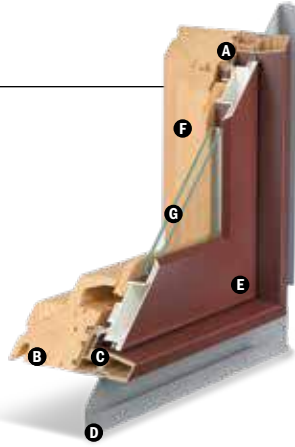
#### Sash

**E** Fiberglass construction provides durable, strong and long-lasting\* performance. Finished with a Flexacron® paint system. This stabilized polyester paint is electrostatically applied for maximum protection and a lustrous, low-maintenance finish.

Traditional architectural style:

- Classic chamfer detailing
- The look of mortise-and-tenon joinery
- Tall bottom rail on casement window aligns with double-hung and picture windows for common sight lines

**F** Natural wood interiors are treated with a water-repellent preservative for long-lasting\* protection and performance. Interior stops are fastened using a compression fit system so there are no nail holes to fill.



#### G Glass

See page 27 for details.

#### Hardware

##### Smooth Control Hardware System

Smooth operation provided by a worm gear drive design makes opening and closing almost effortless regardless of unit size. Also available with an optional split-arm operator that moves the sash away from the frame for easier glass cleaning (not available on all sizes). Hardware option and finish must be specified. Operator handle and cover sold separately.

##### Single-Action Casement Lock



Single-action lock easily releases all locking points on casement sash while the reach-out action eliminates binding when closing. The lock handle is offered in finishes that coordinate with your specified hardware option.

##### Awning Sash Lock

Awning windows feature dual sash locks. Hardware style and finish options are compatible with Andersen casement windows to ensure consistency in appearance when used in combination designs.

### DOUBLE-HUNG

#### Frame

**A** Frame constructed with a wood core and a Fibrex composite material exterior. This construction produces a rigid frame and a low-maintenance, durable exterior.

**B** Wood members are treated with a water-repellent preservative for long-lasting\* protection and performance.

**C** The dual weatherstripping system utilizes a double foam-filled design that creates a pressure equalization chamber, knocking down driving rain and delivering a long-lasting, energy-efficient barrier against wind, water and dust.

**D** Traditional sloped sill design.

**E** For units with White exterior, exterior jamb liner is White. For all other exterior colors, the exterior jamb liner is Sandtone. All double-hung windows include lower jamb liner cover/inserts that match the window exterior color.

**F** A factory-applied rigid vinyl flange helps seal the unit to the structure. Available in a standard design or in a trim flange design (shown). The trim flange allows for Andersen exterior trim surrounds to be applied in seconds after window installation.

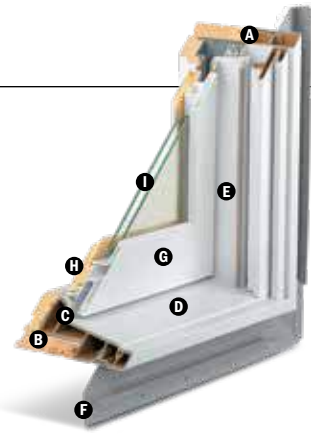
#### Sash

**G** Fiberglass construction provides durable, strong and long-lasting\* performance. Finished with a Flexacron paint system. This stabilized polyester paint is electrostatically applied for maximum protection and a lustrous, low-maintenance finish.

Traditional architectural style:

- Classic chamfer detailing
- The look of mortise-and-tenon joinery
- Tall bottom rail on double-hung window aligns with casement and picture windows for common sight lines

**H** Natural wood interiors are treated with a water-repellent preservative for long-lasting\* protection and performance. Interior stops are fastened from behind so there are no nail holes to fill.



#### I Glass

See page 27 for details.

#### Hardware

##### Sash Lock



Traditional spoon lock design has an integrated *Tilt to Clean* feature.

##### Sash Options\*\*



Cottage Style

Reverse Cottage Style

\* Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

\*\* Shown on 400 Series Tilt-Wash double-hung full-frame windows.

"Flexacron" is a registered trademark of PPG Industries, Inc.

## PICTURE & FIXED TRANSOM

### Frame

Frame constructed with a wood core and fiberglass exterior. This construction produces a rigid frame and a low-maintenance, durable exterior.

Wood members are treated with a water-repellent preservative for long-lasting\* protection and performance.

A factory-applied rigid vinyl flange helps seal the unit to the structure. Available in a standard design or in a trim flange design. The trim flange allows for Andersen® exterior trim surrounds to be applied in seconds after window installation.

Fiberglass construction provides durable, strong and long-lasting\* performance. Finished with a Flexacron® paint system. This stabilized polyester paint is electrostatically applied for maximum protection and a lustrous, low-maintenance finish.

Traditional architectural style:

- Classic chamfer detailing
- The look of mortise-and-tenon joinery
- Tall bottom rail on picture window aligns with casement and double-hung windows for common sight lines
- Shorter bottom rail on fixed transom provides an attractive sight line when joined above other A-Series windows or patio doors

Interior stops are fastened using a compression fit system so there are no nail holes to fill.

### Glass

See this page.

## VENTING TRANSOM

### Frame

Frame constructed with a wood core and a Fibrex® composite material exterior. This construction produces a rigid frame and a low-maintenance, durable exterior.

Wood members are treated with a water-repellent preservative for long-lasting\* protection and performance.

The weatherstripping system combines an exterior watershed design and a foam weatherstrip seal between the sash and frame, providing a long-lasting,\* energy-efficient barrier against wind, water and dust.

A factory-applied rigid vinyl flange helps seal the unit to the structure. Available in a standard design or in a trim flange design. The trim flange allows for Andersen exterior trim surrounds to be applied in seconds after window installation.

### Sash

Fiberglass construction provides durable, strong and long-lasting\* performance. Finished with a Flexacron paint system. This stabilized polyester paint is electrostatically applied for maximum protection and a lustrous, low-maintenance finish.

Traditional architectural style:

- Classic chamfer detailing
- The look of mortise-and-tenon joinery
- Shorter bottom rail provides an attractive sight line when joined above other A-Series windows or patio doors

Natural wood interiors are treated with a water-repellent preservative for long-lasting\* protection and performance. Interior stops are fastened using a compression fit system so there are no nail holes to fill.

### Glass

See this page.

### Hardware

Smooth operation provided by a worm gear drive design makes opening and closing almost effortless regardless of unit size.

Venting transoms feature dual sash locks. Hardware style and finish options are compatible with Andersen casement windows to ensure consistency in appearance when used in combination designs.

## COMMON FEATURES

### Glass

¾" (19) dual-pane glass construction provides exceptional energy performance.

High-Performance glass options include:

- Low-E4® glass
- Low-E4 HeatLock® glass
- Low-E4 Sun glass
- Low-E4 SmartSun™ glass
- Low-E4 SmartSun HeatLock glass

For even greater energy performance, 1" (25) triple-pane glass is available in these options:

- Low-E4 glass
- Low-E4 Enhanced glass
- Low-E4 Enhanced HeatLock glass
- Low-E4 SmartSun glass
- Low-E4 SmartSun Enhanced glass
- Low-E4 SmartSun Enhanced HeatLock glass

Tempered glass and other glass options are available. Contact your Andersen supplier.

A removable translucent film helps shield the glass from damage during delivery and construction and also simplifies finishing at the jobsite.

### Patterned Glass

Patterned glass options are available. See page 18 for more details.

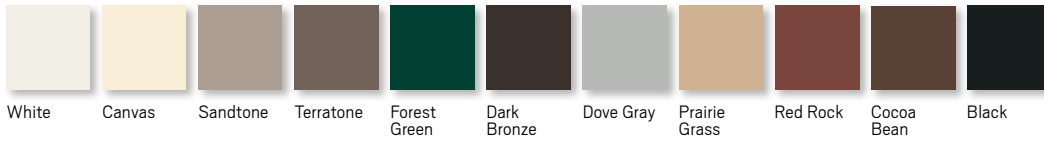


A-Series windows are available with Stormwatch® protection. For a copy of the Andersen® Coastal Product Guide, go to [andersenwindows.com/coastal](http://andersenwindows.com/coastal) or contact your Andersen supplier.

\* Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.  
"Flexacron" is a registered trademark of PPG Industries, Inc.  
Dimensions in parentheses are in millimeters.

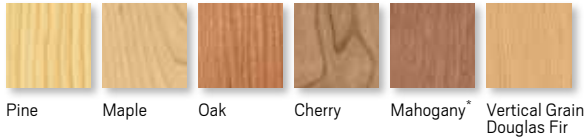
# WINDOWS

## EXTERIOR



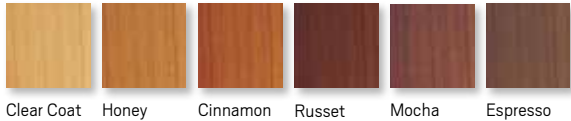
## INTERIOR

### WOOD SPECIES



### FACTORY-FINISHED INTERIORS

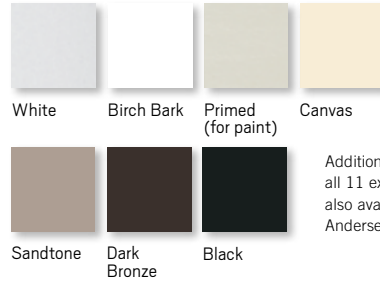
Shown on pine. Available on pine, maple and oak only.



Naturally occurring variations in grain, color and texture of wood make each window one of a kind. All wood interiors are unfinished unless a finish is specified.

### PAINTED OPTIONS

Available on pine.



Additional colors to match all 11 exterior colors are also available, contact your Andersen supplier.

## HARDWARE FINISHES



Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use.

## HARDWARE

### Casement, Awning & Venting Transom Options\*\*

#### TRADITIONAL FOLDING



**Antique Brass** | Black | Bright Brass | Brushed Chrome  
Distressed Bronze | Distressed Nickel | Gold Dust  
Oil Rubbed Bronze | Polished Chrome | Satin Nickel  
Stone | White

#### CONTEMPORARY FOLDING



**Black** | Bright Brass | Gold Dust  
Oil Rubbed Bronze | Satin Nickel | Stone | White

Folding handle avoids interference with window treatments.

*Bold name denotes finish shown.*

### Double-Hung

#### TRADITIONAL

Lock & Keeper



#### Double-Hung Lift Options\*\*

Bar Lift

Hand Lift

Finger Lift



Antique Brass | **Black** | Bright Brass | Brushed Chrome  
Distressed Bronze | Distressed Nickel | Gold Dust | Oil Rubbed Bronze  
Polished Chrome | **Satin Nickel** | Stone | White

*Bold name denotes finish shown.*

\* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

\*\* Hardware sold separately.

Printing limitations prevent exact duplication of colors and finishes. See your Andersen supplier for actual color and finish samples.

## ACCESSORIES Sold Separately

### Frame

#### Extension Jambs



Extension jambs are available in pine, maple, oak, cherry, mahogany\* and vertical grain douglas fir, precut to fit your unit. Available in 1/16" (1.5) increments up to 7 1/8" (181) and can be prefinished in six stain colors as well as all interior painted options to match the interior of the unit. This option is also available factory applied.

#### Stools for Double-Hung Windows

Available in all six wood species and all prefinished options. Stools are available for 4 1/16" (116), 5 1/4" (133), 6 1/16" (167) and 7 1/8" (181) wall depths.

### Hardware

#### Corrosion-Resistant Components



Corrosion-resistant hinge and operator arm hardware on casement, awning and venting transom windows is designed for applications in harsh and corrosive environments such as heavy industrial or coastal areas.\*\* Shown on a 400 Series casement window.

#### Window Opening Control Device Kit



A Window Opening Control Device Kit is available for all A-Series venting windows, which limits opening the sash to less than 4" (102) when the window is first opened. Available factory-applied, check with your Andersen supplier. Shown on an A-Series casement window.

#### Vent Limiter

A vent limiter is available for most A-Series venting windows, which prevents opening the sash more than 4" (102).

#### Power Operator for Awning Windows



Awning windows can now be ordered with an operator enhanced by PowerAssist™ technology that opens and closes the window with the touch of a button. Easy to install, the 24-volt system features a concealed window power drive, battery back-up in case of a power outage and a moisture sensor that automatically closes the window when it rains. A wireless remote is sold separately.

The PowerAssist system is controlled by a wall-mounted console, which includes a power box, battery, touch pad and mounting bracket. Windows can be ordered factory-prepped to save time or ordered as a field kit. Power driver requires field installation.

PowerAssist technology eliminates the need for sash locks. Available for windows up to five feet wide. Not available with Stormwatch® protection or PG upgrades.

### Glass

#### Andersen® Art Glass

Andersen art glass panels come in a variety of original patterns. See pages 14-15 for details on Andersen art glass. Visit [andersenwindows.com/artglass](http://andersenwindows.com/artglass) for details and pattern information.

### Security Sensors

#### VeriLock® Sensors

VeriLock sensors are available in five colors. See page 16-17 for details.

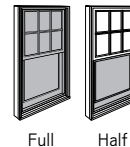
#### Open/Closed Sensors

Wireless open/closed sensors are available in four colors. See page 16-17 for details.

### Insect Screens

#### Full or Half Window Insect Screens

Full insect screens are available for all venting windows. Andersen also offers the option of half insect screens for the lower sash of our double-hung windows.



#### Conventional Insect Screens

Aluminum insect screens are available with frames finished in White, Stone, Gold Dust and in all interior painted options for casement, awning and venting transom windows. Insect screens for double-hung windows match product exterior.

#### TruScene® Insect Screen



Exclusive Andersen TruScene® insect screens provide over 50% more clarity than our conventional insect screens for a beautiful unobstructed view. They allow more fresh air and sunlight in, while doing a better job of keeping out small insects. For casement, awning and venting transom windows, frames are available in White, Stone or Gold Dust as well as all interior painted options, six wood veneers and six stain colors to match the interior finish. Insect screens for double-hung windows are installed on the exterior of the window and frames match product exterior.

### Grilles

Grilles are available in a variety of configurations and widths. See pages 12-13 for details.

### Exterior Trim

This product is available with Andersen Exterior Trim. See pages 173-178 for details.

\* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

\*\* Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details. Dimensions in parentheses are in millimeters.

# CASEMENT WINDOWS

## Table of Casement Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

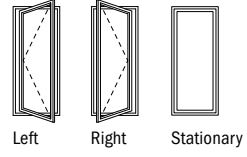
Window Dimension	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-7 1/4" (794)	2'-9 1/4" (845)	2'-11 1/4" (895)	3'-1 1/4" (946)	3'-3 1/4" (997)	3'-5 1/4" (1048)	3'-7 1/4" (1099)	3'-9 1/4" (1149)	3'-11 1/4" (1200)
<b>Minimum Rough Opening</b>	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-6" (762)	2'-8" (813)	2'-10" (864)	3'-0" (914)	3'-2" (965)	3'-4" (1016)	3'-6" (1067)	3'-8" (1118)	3'-10" (1168)	4'-0" (1219)
Unobstructed Glass	12 5/8" (320)	16 5/8" (422)	20 5/8" (523)	22 5/8" (574)	24 5/8" (625)	26 5/8" (676)	28 5/8" (726)	30 5/8" (777)	32 5/8" (828)	34 5/8" (879)	36 5/8" (930)	38 5/8" (981)	40 5/8" (1032)

### CUSTOM SIZES AVAILABLE

Window Dimension	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-7 1/4" (794)	2'-11 1/4" (895)	3'-3 1/4" (997)	3'-7 1/4" (1099)	3'-11 1/4" (1200)	4'-3 1/4" (1302)	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	
1'-11 1/4" (591)	ACW1820	ACW2020	ACW2420										
2'-3 1/4" (692)	ACW1824	ACW2024	ACW2424	ACW2624	ACW2824								
2'-7 1/4" (794)	ACW1828	ACW2028	ACW2428	ACW2628	ACW2828	ACW21028	ACW3028						
2'-11 1/4" (895)	ACW1830	ACW2030	ACW2430	ACW2630	ACW2830	ACW21030	ACW3030	ACW3230*†	ACW3430*†				
3'-3 1/4" (997)	ACW1834	ACW2034	ACW2434	ACW2634	ACW2834	ACW21034	ACW3034	ACW3234*†	ACW3434*†	ACW3634*†	ACW3834*††		
3'-7 1/4" (1099)	ACW1838	ACW2038	ACW2438	ACW2638* <sup>o</sup>	ACW2838* <sup>o</sup>	ACW21038 <sup>o</sup>	ACW3038 <sup>o</sup>	ACW3238*††	ACW3438*††	ACW3638*††	ACW3838*††	ACW31038*†††	ACW4038*†††
3'-11 1/4" (1200)	ACW1840	ACW2040	ACW2440* <sup>o</sup>	ACW2640* <sup>o</sup>	ACW2840 <sup>o</sup>	ACW21040 <sup>o</sup>	ACW3040 <sup>o</sup>	ACW3240*††	ACW3440*††	ACW3640*††	ACW3840*††	ACW31040*†††	ACW4040*†††
4'-3 1/4" (1302)	ACW1844	ACW2044	ACW2444* <sup>o</sup>	ACW2644* <sup>o</sup>	ACW2844 <sup>o</sup>	ACW21044 <sup>o</sup>	ACW3044 <sup>o</sup>	ACW3244*††	ACW3444*††	ACW3644*††	ACW3844*††	ACW31044*†††	ACW4044*†††
4'-7 1/4" (1403)	ACW1848	ACW2048	ACW2448* <sup>o</sup>	ACW2648* <sup>o</sup>	ACW2848 <sup>o</sup>	ACW21048 <sup>o</sup>	ACW3048 <sup>o</sup>	ACW3248*††	ACW3448*††	ACW3648*††	ACW3848*††	ACW31048*†††	ACW4048*†††
4'-11 1/4" (1505)	ACW1850	ACW2050	ACW2450* <sup>o</sup>	ACW2650* <sup>o</sup>	ACW2850 <sup>o</sup>	ACW21050 <sup>o</sup>	ACW3050 <sup>o</sup>	ACW3250*††	ACW3450*††	ACW3650*††	ACW3850*††	ACW31050*†††	ACW4050*†††
5'-3 1/4" (1607)	ACW1854	ACW2054	ACW2454* <sup>o</sup>	ACW2654* <sup>o</sup>	ACW2854 <sup>o</sup>	ACW21054 <sup>o</sup>	ACW3054 <sup>o</sup>	ACW3254*††	ACW3454*††	ACW3654*††	ACW3854*††	ACW31054*†††	ACW4054*†††
5'-7 1/4" (1708)	ACW1858	ACW2058	ACW2458* <sup>o</sup>	ACW2658* <sup>o</sup>	ACW2858 <sup>o</sup>	ACW21058 <sup>o</sup>	ACW3058 <sup>o</sup>	ACW3258*††	ACW3458*††	ACW3658*††	ACW3858*††	ACW31058*†††	ACW4058*†††



Custom-size windows are available in 1/8" (3) increments. See page 67 for custom sizes and specifications.



Choose left, right or stationary as viewed from the exterior. Grille patterns shown on page 41.

• "Window Dimension" always refers to outside frame to frame dimension.  
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.  
 • Dimensions in parentheses are in millimeters.  
<sup>o</sup>Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m<sup>2</sup>, clear opening width of 20" (508) and clear opening height of 24" (610). See tables on pages 32-35.  
<sup>o</sup>Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m<sup>2</sup>, clear opening width of 20" (508) and clear opening height of 24" (610) with a limited sash opening.  
 †Available with straight-arm operators only; all other sizes have split-arm operators only.  
 ††Not available with triple-pane annealed glass.  
 †††Not available with triple-pane annealed or tempered glass.

continued on next page



**Table of Casement Window Sizes** (continued)

Notes on the previous page also apply to this page.

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-7 1/4" (794)	2'-9 1/4" (845)	2'-11 1/4" (895)	3'-1 1/4" (946)	3'-3 1/4" (997)	3'-5 1/4" (1048)	3'-7 1/4" (1099)	3'-9 1/4" (1149)	3'-11 1/4" (1200)
<b>Minimum Rough Opening</b>	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-6" (762)	2'-8" (813)	2'-10" (864)	3'-0" (914)	3'-2" (965)	3'-4" (1016)	3'-6" (1067)	3'-8" (1118)	3'-10" (1168)	4'-0" (1219)
Unobstructed Glass	12 5/8" (320)	16 5/8" (422)	20 5/8" (523)	22 5/8" (574)	24 5/8" (625)	26 5/8" (676)	28 5/8" (726)	30 5/8" (777)	32 5/8" (828)	34 5/8" (879)	36 5/8" (930)	38 5/8" (981)	40 5/8" (1032)

**CUSTOM SIZES AVAILABLE**

Window Dimension	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-7 1/4" (794)	2'-9 1/4" (845)	2'-11 1/4" (895)	3'-1 1/4" (946)	3'-3 1/4" (997)	3'-5 1/4" (1048)	3'-7 1/4" (1099)	3'-9 1/4" (1149)	3'-11 1/4" (1200)
5'-11 1/4" (1810)	ACW1860	ACW2060	ACW2460 <sup>o*</sup>	ACW2660 <sup>o*</sup>	ACW2860 <sup>o†</sup>	ACW21060 <sup>o†</sup>	ACW3060 <sup>o†</sup>	ACW3260 <sup>**†</sup>	ACW3460 <sup>**†</sup>	ACW3660 <sup>**†</sup>	ACW3860 <sup>**†</sup>	ACW31060 <sup>**†</sup>	ACW4060 <sup>**†</sup>
6'-3 1/4" (1911)	ACW1864†	ACW2064†	ACW2464 <sup>**†</sup>	ACW2664 <sup>**†</sup>	ACW2864 <sup>**†</sup>	ACW21064 <sup>**†</sup>	ACW3064 <sup>**†</sup>	ACW3264 <sup>**†</sup>	ACW3464 <sup>**†</sup>	ACW3664 <sup>**†</sup>	ACW3864 <sup>**†</sup>	ACW31064 <sup>**†</sup>	ACW4064 <sup>**†</sup>
6'-7 1/4" (2013)	ACW1868†	ACW2068†	ACW2468 <sup>**†</sup>	ACW2668 <sup>**†</sup>	ACW2868 <sup>**†</sup>	ACW21068 <sup>**†</sup>	ACW3068 <sup>**†</sup>	ACW3268 <sup>**†</sup>	ACW3468 <sup>**†</sup>	ACW3668 <sup>**†</sup>	ACW3868 <sup>**†</sup>	ACW31068 <sup>**†</sup>	ACW4068 <sup>**†</sup>
6'-11 1/4" (2115)	ACW1870†	ACW2070†	ACW2470 <sup>**†</sup>	ACW2670 <sup>**†</sup>	ACW2870 <sup>**†</sup>	ACW21070 <sup>**†</sup>	ACW3070 <sup>**†</sup>	ACW3270 <sup>**†</sup>	ACW3470 <sup>**†</sup>	ACW3670 <sup>**†</sup>	ACW3870 <sup>**†</sup>	ACW31070 <sup>**†</sup>	ACW4070 <sup>**†</sup>
7'-3 1/4" (2216)	ACW1874†	ACW2074†	ACW2474 <sup>**†</sup>	ACW2674 <sup>**†</sup>	ACW2874 <sup>**†</sup>	ACW21074 <sup>**†</sup>	ACW3074 <sup>**†</sup>	ACW3274 <sup>**†</sup>	ACW3474 <sup>**†</sup>	ACW3674 <sup>**†</sup>	ACW3874 <sup>**†</sup>	ACW31074 <sup>**†</sup>	ACW4074 <sup>**†</sup>
7'-7 1/4" (2318)	ACW1878†	ACW2078†	ACW2478 <sup>**†</sup>	ACW2678 <sup>**†</sup>	ACW2878 <sup>**†</sup>	ACW21078 <sup>**†</sup>	ACW3078 <sup>**†</sup>	ACW3278 <sup>**†</sup>	ACW3478 <sup>**†</sup>	ACW3678 <sup>**†</sup>	ACW3878 <sup>**†</sup>	ACW31078 <sup>**†</sup>	ACW4078 <sup>**†</sup>
7'-11 1/4" (2419)	ACW1880†	ACW2080†	ACW2480 <sup>**†</sup>	ACW2680 <sup>**†</sup>	ACW2880 <sup>**†</sup>	ACW21080 <sup>**†</sup>	ACW3080 <sup>**†</sup>	ACW3280 <sup>**†</sup>	ACW3480 <sup>**†</sup>	ACW3680 <sup>**†</sup>	ACW3880 <sup>**†</sup>	ACW31080 <sup>**†</sup>	ACW4080 <sup>**†</sup>

A-Series  
Casement & Awning  
Windows

- "Window Dimension" always refers to outside frame to frame dimension.
- **"Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.**
- Dimensions in parentheses are in millimeters.
- ◊Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m<sup>2</sup>, clear opening width of 20" (508) and clear opening height of 24" (610). See tables on pages 32-35.
- ♦Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m<sup>2</sup>, clear opening width of 20" (508) and clear opening height of 24" (610) with a limited sash opening. See tables on pages 32-35.
- \*Available with straight-arm operators only; all other sizes have split-arm operators only.
- †Not available with triple-pane annealed glass.
- ††Not available with triple-pane annealed or tempered glass.

# CASEMENT WINDOWS

## Casement Window Opening and Area Specifications

Window Number	Clear Opening Area Sq. Ft./ (m <sup>2</sup> )	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Area Sq. Ft./ (m <sup>2</sup> )	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
		Width Inches/(mm)	Height Inches/(mm)				
ACW1820	1.20 (0.11)	9 13/16" (250)	17 5/8" (447)	1.38 (0.13)	1.55 (0.14)	62 1/16" (1576)	3.11 (0.29)
ACW1824	1.48 (0.14)	9 13/16" (250)	21 5/8" (549)	1.73 (0.16)	1.91 (0.18)	58 1/16" (1475)	3.64 (0.34)
ACW1828	1.75 (0.16)	9 13/16" (250)	25 5/8" (650)	2.08 (0.19)	2.26 (0.21)	54 1/16" (1373)	4.18 (0.39)
ACW1830	2.02 (0.19)	9 13/16" (250)	29 5/8" (752)	2.43 (0.23)	2.61 (0.24)	50 1/16" (1271)	4.71 (0.44)
ACW1834	2.29 (0.21)	9 13/16" (250)	33 5/8" (853)	2.78 (0.26)	2.97 (0.28)	46 1/16" (1170)	5.25 (0.49)
ACW1838	2.57 (0.24)	9 13/16" (250)	37 5/8" (955)	3.13 (0.29)	3.32 (0.31)	42 1/16" (1068)	5.78 (0.54)
ACW1840	2.84 (0.26)	9 13/16" (250)	41 5/8" (1057)	3.48 (0.32)	3.67 (0.34)	38 1/16" (967)	6.32 (0.59)
ACW1844	3.11 (0.29)	9 13/16" (250)	45 5/8" (1159)	3.83 (0.36)	4.03 (0.37)	34 1/16" (865)	6.85 (0.64)
ACW1848	3.39 (0.31)	9 13/16" (250)	49 5/8" (1260)	4.18 (0.39)	4.38 (0.41)	30 1/16" (763)	7.39 (0.69)
ACW1850	3.66 (0.34)	9 13/16" (250)	53 5/8" (1362)	4.53 (0.42)	4.73 (0.44)	26 1/16" (662)	7.92 (0.74)
ACW1854	3.93 (0.37)	9 13/16" (250)	57 5/8" (1464)	4.88 (0.45)	5.09 (0.47)	22 1/16" (560)	8.46 (0.79)
ACW1858	3.55 (0.33)	8 5/16" (211)	61 5/8" (1565)	5.23 (0.49)	5.44 (0.51)	18 1/16" (459)	8.99 (0.84)
ACW1860	3.78 (0.35)	8 5/16" (211)	65 5/8" (1667)	5.58 (0.52)	5.79 (0.54)	14 1/16" (357)	9.52 (0.88)
ACW1864 †	4.68 (0.43)	9 11/16" (246)	69 5/8" (1768)	5.93 (0.55)	6.15 (0.57)	10 1/16" (256)	10.06 (0.93)
ACW1868 †	4.95 (0.46)	9 11/16" (246)	73 5/8" (1870)	6.28 (0.58)	6.50 (0.60)	6 1/16" (154)	10.59 (0.98)
ACW1870 †	5.22 (0.48)	9 11/16" (246)	77 5/8" (1972)	6.63 (0.62)	6.85 (0.64)	15 9/16" (395)	11.13 (1.03)
ACW1874 ††	5.49 (0.51)	9 11/16" (246)	81 5/8" (2073)	6.98 (0.65)	7.20 (0.67)	11 9/16" (294)	11.66 (1.08)
ACW1878 ††	5.76 (0.54)	9 11/16" (246)	85 5/8" (2175)	7.33 (0.68)	7.56 (0.70)	7 9/16" (192)	12.20 (1.13)
ACW1880 ††	6.03 (0.56)	9 11/16" (246)	89 5/8" (2276)	7.68 (0.71)	7.91 (0.73)	3 9/16" (90)	12.73 (1.18)
ACW2020	1.69 (0.16)	13 13/16" (351)	17 5/8" (447)	1.82 (0.17)	2.04 (0.19)	62 1/16" (1576)	3.75 (0.35)
ACW2024	2.08 (0.19)	13 13/16" (351)	21 5/8" (549)	2.28 (0.21)	2.51 (0.23)	58 1/16" (1475)	4.40 (0.41)
ACW2028	2.46 (0.23)	13 13/16" (351)	25 5/8" (650)	2.74 (0.25)	2.97 (0.28)	54 1/16" (1373)	5.05 (0.47)
ACW2030	2.84 (0.26)	13 13/16" (351)	29 5/8" (752)	3.20 (0.30)	3.44 (0.32)	50 1/16" (1271)	5.69 (0.53)
ACW2034	3.23 (0.30)	13 13/16" (351)	33 5/8" (853)	3.67 (0.34)	3.90 (0.36)	46 1/16" (1170)	6.34 (0.59)
ACW2038	3.61 (0.34)	13 13/16" (351)	37 5/8" (955)	4.13 (0.38)	4.36 (0.41)	42 1/16" (1068)	6.98 (0.65)
ACW2040	4.00 (0.37)	13 13/16" (351)	41 5/8" (1057)	4.59 (0.43)	4.83 (0.45)	38 1/16" (967)	7.63 (0.71)
ACW2044	4.38 (0.41)	13 13/16" (351)	45 5/8" (1159)	5.05 (0.47)	5.29 (0.49)	34 1/16" (865)	8.27 (0.77)
ACW2048	4.24 (0.39)	12 5/16" (313)	49 5/8" (1260)	5.51 (0.51)	5.76 (0.54)	30 1/16" (763)	8.92 (0.83)
ACW2050	4.58 (0.43)	12 5/16" (313)	53 5/8" (1362)	5.97 (0.55)	6.22 (0.58)	26 1/16" (662)	9.57 (0.89)
ACW2054	4.92 (0.46)	12 5/16" (313)	57 5/8" (1464)	6.43 (0.60)	6.69 (0.62)	22 1/16" (560)	10.21 (0.95)
ACW2058	5.26 (0.49)	12 5/16" (313)	61 5/8" (1565)	6.89 (0.64)	7.15 (0.66)	18 1/16" (459)	10.86 (1.01)
ACW2060	5.61 (0.52)	12 5/16" (313)	65 5/8" (1667)	7.35 (0.68)	7.61 (0.71)	14 1/16" (357)	11.50 (1.07)
ACW2064 †	6.52 (0.61)	13 1/2" (343)	69 5/8" (1768)	7.82 (0.73)	8.08 (0.75)	10 1/16" (256)	12.15 (1.13)
ACW2068 †	6.89 (0.64)	13 1/2" (343)	73 5/8" (1870)	8.28 (0.77)	8.54 (0.79)	6 1/16" (154)	12.80 (1.19)
ACW2070 †	7.27 (0.68)	13 1/2" (343)	77 5/8" (1972)	8.74 (0.81)	9.01 (0.84)	15 9/16" (395)	13.44 (1.25)
ACW2074 ††	7.64 (0.71)	13 1/2" (343)	81 5/8" (2073)	9.20 (0.85)	9.47 (0.88)	11 9/16" (294)	14.09 (1.31)
ACW2078 ††	8.02 (0.75)	13 1/2" (343)	85 5/8" (2175)	9.66 (0.90)	9.94 (0.92)	7 9/16" (192)	14.73 (1.37)
ACW2080 ††	8.39 (0.78)	13 1/2" (343)	89 5/8" (2276)	10.12 (0.94)	10.40 (0.97)	3 9/16" (90)	15.38 (1.43)
ACW2420	1.99 (0.18)	16 5/16" (414)	17 5/8" (447)	2.26 (0.21)	2.53 (0.24)	62 1/16" (1576)	4.40 (0.41)
ACW2424	2.45 (0.23)	16 5/16" (414)	21 5/8" (549)	2.83 (0.26)	3.11 (0.29)	58 1/16" (1475)	5.16 (0.48)
ACW2428	2.90 (0.27)	16 5/16" (414)	25 5/8" (650)	3.40 (0.32)	3.68 (0.34)	54 1/16" (1373)	5.91 (0.55)
ACW2430	3.35 (0.31)	16 5/16" (414)	29 5/8" (752)	3.98 (0.37)	4.28 (0.40)	50 1/16" (1271)	6.67 (0.62)
ACW2434	3.80 (0.35)	16 5/16" (414)	33 5/8" (853)	4.55 (0.42)	4.83 (0.45)	46 1/16" (1170)	7.43 (0.69)
ACW2438	4.26 (0.40)	16 5/16" (414)	37 5/8" (955)	5.12 (0.48)	5.41 (0.50)	42 1/16" (1068)	8.18 (0.76)
ACW2440 ◊*	5.92 (0.55)	20 1/2" (521)	41 5/8" (1057)	5.69 (0.53)	5.98 (0.56)	38 1/16" (967)	8.94 (0.83)
ACW2444 ◊*	6.49 (0.60)	20 1/2" (521)	45 5/8" (1159)	6.27 (0.58)	6.56 (0.61)	34 1/16" (865)	9.70 (0.90)
ACW2448 ◊*	7.06 (0.66)	20 1/2" (521)	49 5/8" (1260)	6.84 (0.64)	7.13 (0.66)	30 1/16" (763)	10.46 (0.97)
ACW2450 ◊*	7.63 (0.71)	20 1/2" (521)	53 5/8" (1362)	7.41 (0.69)	7.71 (0.72)	26 1/16" (662)	11.21 (1.04)
ACW2454 ◊*	8.20 (0.76)	20 1/2" (521)	57 5/8" (1464)	7.98 (0.74)	8.29 (0.77)	22 1/16" (560)	11.97 (1.11)
ACW2458 ◊*	8.77 (0.81)	20 1/2" (521)	61 5/8" (1565)	8.55 (0.79)	8.86 (0.82)	18 1/16" (459)	12.73 (1.18)
ACW2460 ◊*	9.34 (0.87)	20 1/2" (521)	65 5/8" (1667)	9.13 (0.85)	9.44 (0.88)	14 1/16" (357)	13.48 (1.25)
ACW2464 ◊*†	9.95 (0.92)	20 5/8" (524)	69 5/8" (1768)	9.70 (0.90)	10.01 (0.93)	10 1/16" (256)	14.24 (1.32)
ACW2468 ◊*†	10.52 (0.98)	20 5/8" (524)	73 5/8" (1870)	10.27 (0.95)	10.59 (0.98)	6 1/16" (154)	15.00 (1.39)
ACW2470 ◊*†	11.09 (1.03)	20 5/8" (524)	77 5/8" (1972)	10.84 (1.01)	11.16 (1.04)	15 9/16" (395)	15.75 (1.46)
ACW2474 ◊*††	11.66 (1.08)	20 5/8" (524)	81 5/8" (2073)	11.42 (1.06)	11.74 (1.09)	11 9/16" (294)	16.51 (1.53)
ACW2478 ◊*††	12.23 (1.14)	20 5/8" (524)	85 5/8" (2175)	11.99 (1.11)	12.31 (1.14)	7 9/16" (192)	17.27 (1.60)
ACW2480 ◊*††	12.80 (1.19)	20 5/8" (524)	89 5/8" (2276)	12.56 (1.17)	12.89 (1.20)	3 9/16" (90)	18.02 (1.67)
ACW2624	2.75 (0.26)	18 5/16" (465)	21 5/8" (549)	3.11 (0.29)	3.41 (0.32)	58 1/16" (1475)	5.54 (0.51)
ACW2628	3.25 (0.30)	18 5/16" (465)	25 5/8" (650)	3.74 (0.35)	4.04 (0.38)	54 1/16" (1373)	6.35 (0.59)
ACW2630	3.76 (0.35)	18 5/16" (465)	29 5/8" (752)	4.36 (0.41)	4.67 (0.43)	50 1/16" (1271)	7.16 (0.67)
ACW2634	4.27 (0.40)	18 5/16" (465)	33 5/8" (853)	4.99 (0.46)	5.30 (0.49)	46 1/16" (1170)	7.97 (0.74)
ACW2638 ◊*	5.88 (0.55)	22 1/2" (572)	37 5/8" (955)	5.62 (0.52)	5.93 (0.55)	42 1/16" (1068)	8.79 (0.82)

- \*Top of Subfloor to Top of Inside Sill Stop\* is calculated based upon a structural header height of 6'-10 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.
- ◊Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m<sup>2</sup>, clear opening width of 20" (508) and clear opening height of 24" (610).
- ◊†Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m<sup>2</sup>, clear opening width of 20" (508) and clear opening height of 24" (610) with a limited sash opening.
- \*Available with straight-arm operators only. All other sizes have split-arm operators only.
- †Not available with triple-pane annealed glass.
- ††Not available with triple-pane annealed or tempered glass.



**Casement Window Opening and Area Specifications** (continued)

Window Number	Clear Opening Area Sq. Ft./ (m²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m²)	Vent Area Sq. Ft./ (m²)	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m²)
		Width Inches/ (mm)	Height Inches/ (mm)				
ACW2640 ◊*	6.50 (0.60)	22 1/2" (572)	41 5/8" (1057)	6.25 (0.58)	6.56 (0.61)	38 1/16" (967)	9.60 (0.89)
ACW2644 ◊*	7.13 (0.66)	22 1/2" (572)	45 5/8" (1159)	6.87 (0.64)	7.19 (0.67)	34 1/16" (865)	10.41 (0.97)
ACW2648 ◊*	7.75 (0.72)	22 1/2" (572)	49 5/8" (1260)	7.50 (0.70)	7.82 (0.73)	30 1/16" (763)	11.22 (1.04)
ACW2650 ◊*	8.38 (0.78)	22 1/2" (572)	53 5/8" (1362)	8.13 (0.76)	8.45 (0.79)	26 1/16" (662)	12.04 (1.12)
ACW2654 ◊*	9.01 (0.84)	22 1/2" (572)	57 5/8" (1464)	8.76 (0.81)	9.09 (0.84)	22 1/16" (560)	12.85 (1.19)
ACW2658 ◊*	9.63 (0.89)	22 1/2" (572)	61 5/8" (1565)	9.39 (0.87)	9.72 (0.90)	18 1/16" (459)	13.66 (1.27)
ACW2660 ◊*	10.26 (0.95)	22 1/2" (572)	65 5/8" (1667)	10.01 (0.93)	10.35 (0.96)	14 1/16" (357)	14.47 (1.34)
ACW2664 ◊*†	10.91 (1.01)	22 5/8" (575)	69 5/8" (1768)	10.64 (0.99)	10.98 (1.02)	10 1/16" (256)	15.29 (1.42)
ACW2668 ◊*†	11.54 (1.07)	22 5/8" (575)	73 5/8" (1870)	11.27 (1.05)	11.61 (1.08)	6 1/16" (154)	16.10 (1.50)
ACW2670 ◊*†	12.17 (1.13)	22 5/8" (575)	77 5/8" (1972)	11.90 (1.11)	12.24 (1.14)	15 9/16" (395)	16.91 (1.57)
ACW2674 ◊*††	12.79 (1.19)	22 5/8" (575)	81 5/8" (2073)	12.52 (1.16)	12.87 (1.20)	11 9/16" (294)	17.72 (1.65)
ACW2678 ◊*††	13.42 (1.25)	22 5/8" (575)	85 5/8" (2175)	13.15 (1.22)	13.50 (1.25)	7 9/16" (192)	18.54 (1.72)
ACW2680 ◊*††	14.05 (1.31)	22 5/8" (575)	89 5/8" (2276)	13.78 (1.28)	14.13 (1.31)	3 9/16" (90)	19.35 (1.80)
ACW2824	3.05 (0.28)	20 5/16" (516)	21 5/8" (549)	3.38 (0.31)	3.71 (0.34)	58 1/16" (1475)	5.91 (0.55)
ACW2828	3.61 (0.34)	20 5/16" (516)	25 5/8" (650)	4.07 (0.38)	4.39 (0.41)	54 1/16" (1373)	6.78 (0.63)
ACW2830	4.17 (0.39)	20 5/16" (516)	29 5/8" (752)	4.75 (0.44)	5.08 (0.47)	50 1/16" (1271)	7.65 (0.71)
ACW2834	4.74 (0.44)	20 5/16" (516)	33 5/8" (853)	5.43 (0.50)	5.77 (0.54)	46 1/16" (1170)	8.52 (0.79)
ACW2838 ◊*	6.40 (0.59)	24 1/2" (623)	37 5/8" (955)	6.12 (0.57)	6.45 (0.60)	42 1/16" (1068)	9.39 (0.87)
ACW2840 ◊	5.87 (0.55)	20 5/16" (516)	41 5/8" (1057)	6.80 (0.63)	7.14 (0.66)	38 1/16" (967)	10.25 (0.95)
ACW2844 ◊	6.43 (0.60)	20 5/16" (516)	45 5/8" (1159)	7.48 (0.69)	7.83 (0.73)	34 1/16" (865)	11.12 (1.03)
ACW2848 ◊	6.99 (0.65)	20 5/16" (516)	49 5/8" (1260)	8.17 (0.76)	8.51 (0.79)	30 1/16" (763)	11.99 (1.11)
ACW2850 ◊	7.56 (0.70)	20 5/16" (516)	53 5/8" (1362)	8.85 (0.82)	9.20 (0.85)	26 1/16" (662)	12.86 (1.19)
ACW2854 ◊	9.44 (0.88)	23 19/32" (599)	57 5/8" (1464)	9.53 (0.89)	9.89 (0.92)	22 1/16" (560)	13.73 (1.28)
ACW2858 ◊	10.09 (0.94)	23 19/32" (599)	61 5/8" (1565)	10.22 (0.95)	10.57 (0.98)	18 1/16" (459)	14.59 (1.36)
ACW2860 ◊†	10.75 (1.00)	23 19/32" (599)	65 5/8" (1667)	10.90 (1.01)	11.26 (1.05)	14 1/16" (357)	15.46 (1.44)
ACW2864 ◊*†	9.95 (0.92)	20 9/16" (522)	69 5/8" (1768)	11.58 (1.08)	11.95 (1.11)	10 1/16" (256)	16.33 (1.52)
ACW2868 ◊*†	10.52 (0.98)	20 9/16" (522)	73 5/8" (1870)	12.27 (1.14)	12.63 (1.17)	6 1/16" (154)	17.20 (1.60)
ACW2870 ◊*†	11.09 (1.03)	20 9/16" (522)	77 5/8" (1972)	12.95 (1.20)	13.32 (1.24)	15 9/16" (395)	18.07 (1.68)
ACW2874 ◊*††	11.66 (1.08)	20 9/16" (522)	81 5/8" (2073)	13.63 (1.27)	14.00 (1.30)	11 9/16" (294)	18.93 (1.76)
ACW2878 ◊*††	12.23 (1.14)	20 9/16" (522)	85 5/8" (2175)	14.32 (1.33)	14.69 (1.36)	7 9/16" (192)	19.80 (1.84)
ACW2880 ◊*††	12.81 (1.19)	20 9/16" (522)	89 5/8" (2276)	15.00 (1.39)	15.38 (1.43)	3 9/16" (90)	20.67 (1.92)
ACW21028	3.97 (0.37)	22 5/16" (567)	25 5/8" (650)	4.40 (0.41)	4.75 (0.44)	54 1/16" (1373)	7.22 (0.67)
ACW21030	4.58 (0.43)	22 5/16" (567)	29 5/8" (752)	5.14 (0.48)	5.49 (0.51)	50 1/16" (1271)	8.14 (0.76)
ACW21034	5.20 (0.48)	22 5/16" (567)	33 5/8" (853)	5.87 (0.55)	6.23 (0.58)	46 1/16" (1170)	9.06 (0.84)
ACW21038 ◊	5.82 (0.54)	22 5/16" (567)	37 5/8" (955)	6.61 (0.61)	6.98 (0.65)	42 1/16" (1068)	9.99 (0.93)
ACW21040 ◊	6.44 (0.60)	22 5/16" (567)	41 5/8" (1057)	7.35 (0.68)	7.72 (0.72)	38 1/16" (967)	10.91 (1.01)
ACW21044 ◊	7.06 (0.66)	22 5/16" (567)	45 5/8" (1159)	8.09 (0.75)	8.46 (0.79)	34 1/16" (865)	11.83 (1.10)
ACW21048 ◊	8.78 (0.82)	25 1/2" (648)	49 5/8" (1260)	8.83 (0.82)	9.20 (0.85)	30 1/16" (763)	12.76 (1.19)
ACW21050 ◊	9.49 (0.88)	25 1/2" (648)	53 5/8" (1362)	9.57 (0.89)	9.94 (0.92)	26 1/16" (662)	13.68 (1.27)
ACW21054 ◊	10.20 (0.95)	25 1/2" (648)	57 5/8" (1464)	10.31 (0.96)	10.69 (0.99)	22 1/16" (560)	14.60 (1.36)
ACW21058 ◊	10.91 (1.01)	25 1/2" (648)	61 5/8" (1565)	11.05 (1.03)	11.43 (1.06)	18 1/16" (459)	15.53 (1.44)
ACW21060 ◊†	11.61 (1.08)	25 1/2" (648)	65 5/8" (1667)	11.79 (1.10)	12.17 (1.13)	14 1/16" (357)	16.45 (1.53)
ACW21064 ◊*†	10.71 (0.99)	22 1/8" (562)	69 5/8" (1768)	12.52 (1.16)	12.91 (1.20)	10 1/16" (256)	17.38 (1.61)
ACW21068 ◊*†	11.32 (1.05)	22 1/8" (562)	73 5/8" (1870)	13.26 (1.23)	13.65 (1.27)	6 1/16" (154)	18.30 (1.70)
ACW21070 ◊*†	11.94 (1.11)	22 1/8" (562)	77 5/8" (1972)	14.00 (1.30)	14.40 (1.34)	15 9/16" (395)	19.22 (1.79)
ACW21074 ◊*††	12.56 (1.17)	22 1/8" (562)	81 5/8" (2073)	14.74 (1.37)	15.14 (1.41)	11 9/16" (294)	20.15 (1.87)
ACW21078 ◊*††	13.17 (1.22)	22 1/8" (562)	85 5/8" (2175)	15.48 (1.44)	15.88 (1.48)	7 9/16" (192)	21.07 (1.96)
ACW21080 ◊*††	13.77 (1.28)	22 1/8" (562)	89 5/8" (2276)	16.22 (1.51)	16.62 (1.54)	3 9/16" (90)	21.99 (2.04)
ACW3028	4.32 (0.40)	24 5/16" (617)	25 5/8" (650)	4.73 (0.44)	5.10 (0.47)	54 1/16" (1373)	7.65 (0.71)
ACW3030	5.00 (0.46)	24 5/16" (617)	29 5/8" (752)	5.52 (0.51)	5.90 (0.55)	50 1/16" (1271)	8.63 (0.80)
ACW3034	5.67 (0.53)	24 5/16" (617)	33 5/8" (853)	6.32 (0.59)	6.70 (0.62)	46 1/16" (1170)	9.61 (0.89)
ACW3038 ◊	6.35 (0.59)	24 5/16" (617)	37 5/8" (955)	7.11 (0.66)	7.50 (0.70)	42 1/16" (1068)	10.59 (0.98)
ACW3040 ◊	7.91 (0.73)	27 1/16" (696)	41 5/8" (1057)	7.90 (0.73)	8.30 (0.77)	38 1/16" (967)	11.57 (1.07)
ACW3044 ◊	8.68 (0.81)	27 1/16" (696)	45 5/8" (1159)	8.70 (0.81)	9.09 (0.84)	34 1/16" (865)	12.55 (1.17)
ACW3048 ◊	9.44 (0.88)	27 1/16" (696)	49 5/8" (1260)	9.49 (0.88)	9.89 (0.92)	30 1/16" (763)	13.52 (1.26)
ACW3050 ◊	10.20 (0.95)	27 1/16" (696)	53 5/8" (1362)	10.29 (0.96)	10.69 (0.99)	26 1/16" (662)	14.50 (1.35)
ACW3054 ◊	10.96 (1.02)	27 1/16" (696)	57 5/8" (1464)	11.08 (1.03)	11.49 (1.07)	22 1/16" (560)	15.48 (1.44)
ACW3058 ◊	11.72 (1.09)	27 1/16" (696)	61 5/8" (1565)	11.88 (1.10)	12.28 (1.14)	18 1/16" (459)	16.46 (1.53)
ACW3060 ◊†	12.48 (1.16)	27 1/16" (696)	65 5/8" (1667)	12.67 (1.18)	13.08 (1.22)	14 1/16" (357)	17.44 (1.62)
ACW3064 ◊*†	10.77 (1.00)	22 3/4" (565)	69 5/8" (1768)	13.47 (1.25)	13.88 (1.29)	10 1/16" (256)	18.42 (1.71)
ACW3068 ◊*†	11.39 (1.06)	22 1/4" (565)	73 5/8" (1870)	14.26 (1.32)	14.68 (1.36)	6 1/16" (154)	19.40 (1.80)
ACW3070 ◊*†	12.01 (1.12)	22 1/4" (565)	77 5/8" (1972)	15.05 (1.40)	15.47 (1.44)	15 9/16" (395)	20.38 (1.89)

• "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).  
 • Dimensions in parentheses are in millimeters or square meters.  
 ◊Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).  
 ◆Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610) with a limited sash opening.  
 \*Available with straight-arm operators only. All other sizes have split-arm operators only.  
 †Not available with triple-pane annealed glass.  
 ††Not available with triple-pane annealed or tempered glass.

continued on next page

# CASEMENT WINDOWS

## Casement Window Opening and Area Specifications (continued)

Window Number	Clear Opening Area Sq. Ft./ (m <sup>2</sup> )	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Area Sq. Ft./ (m <sup>2</sup> )	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
		Width Inches/ (mm)	Height Inches/ (mm)				
ACW3074 ♦♦††	12.63 (1.17)	22 1/4" (565)	81 5/8" (2073)	15.85 (1.47)	16.27 (1.51)	11 9/16" (294)	21.36 (1.98)
ACW3078 ♦♦††	13.25 (1.23)	22 1/4" (565)	85 5/8" (2175)	16.64 (1.55)	17.07 (1.59)	7 9/16" (192)	22.34 (2.08)
ACW3080 ♦♦††	13.87 (1.29)	22 1/4" (565)	89 5/8" (2276)	17.44 (1.62)	17.87 (1.66)	3 9/16" (90)	23.32 (2.17)
ACW3230 *†	4.78 (0.44)	23 1/4" (591)	29 5/8" (752)	5.91 (0.55)	6.31 (0.59)	50 1/16" (1271)	9.12 (0.85)
ACW3234 *†	5.43 (0.50)	23 1/4" (591)	33 5/8" (853)	6.76 (0.63)	7.17 (0.67)	46 1/16" (1170)	10.15 (0.94)
ACW3238 ♦*†	6.07 (0.56)	23 1/4" (591)	37 5/8" (955)	7.61 (0.71)	8.02 (0.75)	42 1/16" (1068)	11.19 (1.04)
ACW3240 ♦*†	6.72 (0.62)	23 1/4" (591)	41 5/8" (1057)	8.46 (0.79)	8.87 (0.82)	38 1/16" (967)	12.22 (1.14)
ACW3244 ♦*†	7.36 (0.68)	23 1/4" (591)	45 5/8" (1159)	9.31 (0.86)	9.73 (0.90)	34 1/16" (865)	13.26 (1.23)
ACW3248 ♦*†	8.01 (0.74)	23 1/4" (591)	49 5/8" (1260)	10.16 (0.94)	10.58 (0.98)	30 1/16" (763)	14.29 (1.33)
ACW3250 ♦*†	8.65 (0.80)	23 1/4" (591)	53 5/8" (1362)	11.01 (1.02)	11.43 (1.06)	26 1/16" (662)	15.33 (1.42)
ACW3254 ♦*†	9.30 (0.86)	23 1/4" (591)	57 5/8" (1464)	11.86 (1.10)	12.29 (1.14)	22 1/16" (560)	16.36 (1.52)
ACW3258 ♦*†	9.95 (0.92)	23 1/4" (591)	61 5/8" (1565)	12.71 (1.18)	13.14 (1.22)	18 1/16" (459)	17.40 (1.62)
ACW3260 ♦*†	10.59 (0.98)	23 1/4" (591)	65 5/8" (1667)	13.56 (1.26)	13.99 (1.30)	14 1/16" (357)	18.43 (1.71)
ACW3264 ♦*†	11.24 (1.04)	23 1/4" (591)	69 5/8" (1768)	14.41 (1.34)	14.85 (1.38)	10 1/16" (256)	19.47 (1.81)
ACW3268 ♦*†	11.88 (1.10)	23 1/4" (591)	73 5/8" (1870)	15.26 (1.42)	15.70 (1.46)	6 1/16" (154)	20.50 (1.90)
ACW3270 ♦*†	12.53 (1.16)	23 1/4" (591)	77 5/8" (1972)	16.11 (1.50)	16.55 (1.54)	15 9/16" (395)	21.54 (2.00)
ACW3274 ♦♦††	13.18 (1.22)	23 1/4" (591)	81 5/8" (2073)	16.96 (1.58)	17.40 (1.62)	11 9/16" (294)	22.57 (2.10)
ACW3278 ♦♦††	13.82 (1.28)	23 1/4" (591)	85 5/8" (2175)	17.81 (1.65)	18.26 (1.70)	7 9/16" (192)	23.60 (2.19)
ACW3280 ♦♦††	14.47 (1.34)	23 1/4" (591)	89 5/8" (2276)	18.66 (1.73)	19.11 (1.78)	3 9/16" (90)	24.64 (2.29)
ACW3430 *†	4.72 (0.44)	23" (584)	29 5/8" (752)	6.29 (0.58)	6.72 (0.62)	50 1/16" (1271)	9.61 (0.89)
ACW3434 *†	5.36 (0.50)	23" (584)	33 5/8" (853)	7.20 (0.67)	7.63 (0.71)	46 1/16" (1170)	10.70 (0.99)
ACW3438 ♦*†	6.00 (0.56)	23" (584)	37 5/8" (955)	8.10 (0.75)	8.54 (0.79)	42 1/16" (1068)	11.79 (1.10)
ACW3440 ♦*†	6.64 (0.62)	23" (584)	41 5/8" (1057)	9.01 (0.84)	9.45 (0.88)	38 1/16" (967)	12.88 (1.20)
ACW3444 ♦*†	7.27 (0.68)	23" (584)	45 5/8" (1159)	9.92 (0.92)	10.36 (0.96)	34 1/16" (865)	13.97 (1.30)
ACW3448 ♦*†	7.91 (0.73)	23" (584)	49 5/8" (1260)	10.82 (1.01)	11.27 (1.05)	30 1/16" (763)	15.06 (1.40)
ACW3450 ♦*†	8.55 (0.79)	23" (584)	53 5/8" (1362)	11.73 (1.09)	12.18 (1.13)	26 1/16" (662)	16.15 (1.50)
ACW3454 ♦*†	9.19 (0.85)	23" (584)	57 5/8" (1464)	12.63 (1.17)	13.09 (1.22)	22 1/16" (560)	17.24 (1.60)
ACW3458 ♦*†	9.83 (0.91)	23" (584)	61 5/8" (1565)	13.54 (1.26)	13.99 (1.30)	18 1/16" (459)	18.33 (1.70)
ACW3460 ♦*†	10.46 (0.97)	23" (584)	65 5/8" (1667)	14.44 (1.34)	14.90 (1.38)	14 1/16" (357)	19.42 (1.80)
ACW3464 ♦*†	11.10 (1.03)	23" (584)	69 5/8" (1768)	15.35 (1.43)	15.81 (1.47)	10 1/16" (256)	20.51 (1.91)
ACW3468 ♦*†	11.74 (1.09)	23" (584)	73 5/8" (1870)	16.25 (1.51)	16.72 (1.55)	6 1/16" (154)	21.60 (2.01)
ACW3470 ♦*†	12.38 (1.15)	23" (584)	77 5/8" (1972)	17.16 (1.59)	17.63 (1.64)	15 9/16" (395)	22.69 (2.11)
ACW3474 ♦♦††	13.02 (1.21)	23" (584)	81 5/8" (2073)	18.07 (1.68)	18.54 (1.72)	11 9/16" (294)	23.78 (2.21)
ACW3478 ♦♦††	13.66 (1.27)	23" (584)	85 5/8" (2175)	18.97 (1.76)	19.45 (1.81)	7 9/16" (192)	24.87 (2.31)
ACW3480 ♦♦††	14.29 (1.33)	23" (584)	89 5/8" (2276)	19.88 (1.85)	20.36 (1.89)	3 9/16" (90)	25.96 (2.41)
ACW3634 *†	5.27 (0.49)	22 9/16" (573)	33 5/8" (853)	7.64 (0.71)	8.10 (0.75)	46 1/16" (1170)	11.24 (1.04)
ACW3638 ♦*†	5.90 (0.55)	22 9/16" (573)	37 5/8" (955)	8.60 (0.80)	9.06 (0.84)	42 1/16" (1068)	12.39 (1.15)
ACW3640 ♦*†	6.53 (0.61)	22 9/16" (573)	41 5/8" (1057)	9.56 (0.89)	10.03 (0.93)	38 1/16" (967)	13.54 (1.26)
ACW3644 ♦*†	7.15 (0.66)	22 9/16" (573)	45 5/8" (1159)	10.52 (0.98)	10.99 (1.02)	34 1/16" (865)	14.68 (1.36)
ACW3648 ♦*†	7.78 (0.72)	22 9/16" (573)	49 5/8" (1260)	11.49 (1.07)	11.96 (1.11)	30 1/16" (763)	15.83 (1.47)
ACW3650 ♦*†	8.41 (0.78)	22 9/16" (573)	53 5/8" (1362)	12.45 (1.16)	12.92 (1.20)	26 1/16" (662)	16.97 (1.58)
ACW3654 ♦*†	9.03 (0.84)	22 9/16" (573)	57 5/8" (1464)	13.41 (1.25)	13.89 (1.29)	22 1/16" (560)	18.12 (1.68)
ACW3658 ♦*†	9.66 (0.90)	22 9/16" (573)	61 5/8" (1565)	14.37 (1.34)	14.85 (1.38)	18 1/16" (459)	19.26 (1.79)
ACW3660 ♦*†	10.29 (0.96)	22 9/16" (573)	65 5/8" (1667)	15.33 (1.42)	15.81 (1.47)	14 1/16" (357)	20.41 (1.90)
ACW3664 ♦*†	10.92 (1.01)	22 9/16" (573)	69 5/8" (1768)	16.29 (1.51)	16.78 (1.56)	10 1/16" (256)	21.56 (2.00)
ACW3668 ♦*†	11.54 (1.07)	22 9/16" (573)	73 5/8" (1870)	17.25 (1.60)	17.74 (1.65)	6 1/16" (154)	22.70 (2.11)
ACW3670 ♦*†	12.17 (1.13)	22 9/16" (573)	77 5/8" (1972)	18.21 (1.69)	18.71 (1.74)	15 9/16" (395)	23.85 (2.22)
ACW3674 ♦♦††	12.80 (1.19)	22 9/16" (573)	81 5/8" (2073)	19.17 (1.78)	19.67 (1.83)	11 9/16" (294)	24.99 (2.32)
ACW3678 ♦♦††	13.43 (1.25)	22 9/16" (573)	85 5/8" (2175)	20.14 (1.87)	20.64 (1.92)	7 9/16" (192)	26.14 (2.43)
ACW3680 ♦♦††	14.05 (1.31)	22 9/16" (573)	89 5/8" (2276)	21.10 (1.96)	21.60 (2.01)	3 9/16" (90)	27.29 (2.54)
ACW3834 *††	5.18 (0.48)	22 1/4" (565)	33 5/8" (853)	8.08 (0.75)	8.57 (0.80)	46 1/16" (1170)	11.79 (1.10)
ACW3838 ♦*††	5.80 (0.54)	22 1/4" (565)	37 5/8" (955)	9.10 (0.85)	9.59 (0.89)	42 1/16" (1068)	12.99 (1.21)
ACW3840 ♦*††	6.42 (0.60)	22 1/4" (565)	41 5/8" (1057)	10.12 (0.94)	10.61 (0.99)	38 1/16" (967)	14.19 (1.32)
ACW3844 ♦*††	7.04 (0.65)	22 1/4" (565)	45 5/8" (1159)	11.13 (1.03)	11.63 (1.08)	34 1/16" (865)	15.39 (1.43)
ACW3848 ♦*††	7.65 (0.71)	22 1/4" (565)	49 5/8" (1260)	12.15 (1.13)	12.65 (1.18)	30 1/16" (763)	16.59 (1.54)
ACW3850 ♦*††	8.27 (0.77)	22 1/4" (565)	53 5/8" (1362)	13.17 (1.22)	13.67 (1.27)	26 1/16" (662)	17.80 (1.65)
ACW3854 ♦*††	8.89 (0.83)	22 1/4" (565)	57 5/8" (1464)	14.18 (1.32)	14.69 (1.36)	22 1/16" (560)	19.00 (1.77)
ACW3858 ♦*††	9.50 (0.88)	22 1/4" (565)	61 5/8" (1565)	15.20 (1.41)	15.71 (1.46)	18 1/16" (459)	20.20 (1.88)
ACW3860 ♦*††	10.12 (0.94)	22 1/4" (565)	65 5/8" (1667)	16.22 (1.51)	16.73 (1.55)	14 1/16" (357)	21.40 (1.99)
ACW3864 ♦*††	10.74 (1.00)	22 1/4" (565)	69 5/8" (1768)	17.23 (1.60)	17.75 (1.65)	10 1/16" (256)	22.60 (2.10)
ACW3868 ♦*††	11.36 (1.06)	22 1/4" (565)	73 5/8" (1870)	18.25 (1.70)	18.76 (1.74)	6 1/16" (154)	23.80 (2.21)
ACW3870 ♦*††	11.97 (1.11)	22 1/4" (565)	77 5/8" (1972)	19.27 (1.79)	19.78 (1.84)	15 9/16" (395)	25.00 (2.32)

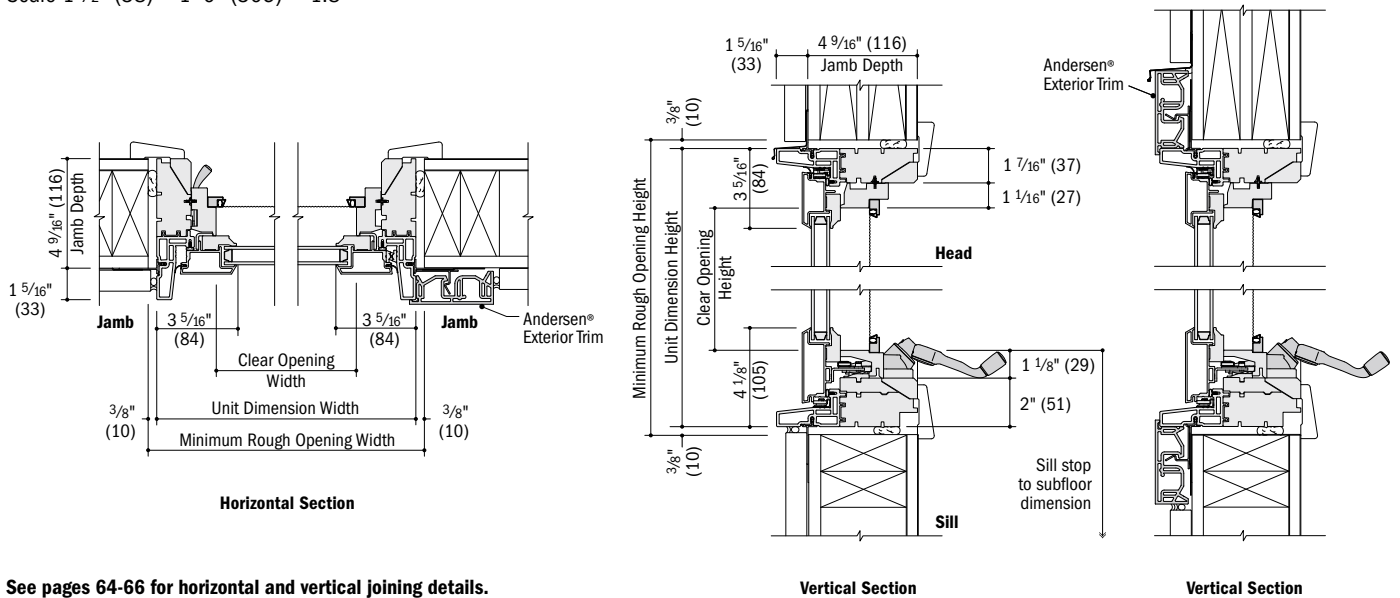
• "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).  
 • Dimensions in parentheses are in millimeters or square meters.  
 ♦Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m<sup>2</sup>; clear opening width of 20" (508) and clear opening height of 24" (610) with a limited sash opening.  
 \*Available with straight-arm operators only. All other sizes have split-arm operators only.  
 †Not available with triple-pane annealed glass.  
 ††Not available with triple-pane annealed or tempered glass.

**Casement Window Opening and Area Specifications** (continued)

Window Number	Clear Opening Area Sq. Ft./ (m <sup>2</sup> )	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Area Sq. Ft./ (m <sup>2</sup> )	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
		Width Inches/ (mm)	Height Inches/ (mm)				
ACW3874 ♦♦†	12.59 (1.17)	22 1/4" (565)	81 5/8" (2073)	20.28 (1.88)	20.80 (1.93)	11 9/16" (294)	26.21 (2.43)
ACW3878 ♦♦†	13.21 (1.23)	22 1/4" (565)	85 5/8" (2175)	21.30 (1.98)	21.82 (2.03)	7 9/16" (192)	27.41 (2.55)
ACW3880 ♦♦†	13.82 (1.28)	22 1/4" (565)	89 5/8" (2276)	22.32 (2.07)	22.84 (2.12)	3 9/16" (90)	28.61 (2.66)
ACW31038 ♦♦††	5.68 (0.53)	21 3/4" (552)	37 5/8" (955)	9.60 (0.89)	10.11 (0.94)	42 1/16" (1068)	13.59 (1.26)
ACW31040 ♦♦††	6.28 (0.58)	21 3/4" (552)	41 5/8" (1057)	10.67 (0.99)	11.18 (1.04)	38 1/16" (967)	14.85 (1.38)
ACW31044 ♦♦††	6.89 (0.64)	21 3/4" (552)	45 5/8" (1159)	11.74 (1.09)	12.26 (1.14)	34 1/16" (865)	16.10 (1.50)
ACW31048 ♦♦††	7.49 (0.70)	21 3/4" (552)	49 5/8" (1260)	12.81 (1.19)	13.33 (1.24)	30 1/16" (763)	17.36 (1.61)
ACW31050 ♦♦††	8.09 (0.75)	21 3/4" (552)	53 5/8" (1362)	13.89 (1.29)	14.41 (1.34)	26 1/16" (662)	18.62 (1.73)
ACW31054 ♦♦††	8.70 (0.81)	21 3/4" (552)	57 5/8" (1464)	14.96 (1.39)	15.49 (1.44)	22 1/16" (560)	19.88 (1.85)
ACW31058 ♦♦††	9.30 (0.86)	21 3/4" (552)	61 5/8" (1565)	16.03 (1.49)	16.56 (1.54)	18 1/16" (459)	21.13 (1.96)
ACW31060 ♦♦†	9.91 (0.92)	21 3/4" (552)	65 5/8" (1667)	17.10 (1.59)	17.64 (1.64)	14 1/16" (357)	22.39 (2.08)
ACW31064 ♦♦†	10.51 (0.98)	21 3/4" (552)	69 5/8" (1768)	18.17 (1.69)	18.71 (1.74)	10 1/16" (256)	23.65 (2.20)
ACW31068 ♦♦†	11.11 (1.03)	21 3/4" (552)	73 5/8" (1870)	19.25 (1.79)	19.79 (1.84)	6 1/16" (154)	24.90 (2.31)
ACW31070 ♦♦†	11.72 (1.09)	21 3/4" (552)	77 5/8" (1972)	20.32 (1.89)	20.86 (1.94)	15 9/16" (395)	26.16 (2.43)
ACW31074 ♦♦††	12.32 (1.14)	21 3/4" (552)	81 5/8" (2073)	21.39 (1.99)	21.94 (2.04)	11 9/16" (294)	27.42 (2.55)
ACW31078 ♦♦††	12.93 (1.20)	21 3/4" (552)	85 5/8" (2175)	22.46 (2.09)	23.01 (2.14)	7 9/16" (192)	28.67 (2.66)
ACW31080 ♦♦††	13.53 (1.26)	21 3/4" (552)	89 5/8" (2276)	23.54 (2.19)	24.09 (2.24)	3 9/16" (90)	29.93 (2.78)
ACW4038 ♦♦††	5.53 (0.51)	21 3/16" (538)	37 5/8" (955)	10.09 (0.94)	10.63 (0.99)	42 1/16" (1068)	14.19 (1.32)
ACW4040 ♦♦††	6.12 (0.57)	21 3/16" (538)	41 5/8" (1057)	11.22 (1.04)	11.76 (1.09)	38 1/16" (967)	15.50 (1.44)
ACW4044 ♦♦††	6.71 (0.62)	21 3/16" (538)	45 5/8" (1159)	12.35 (1.15)	12.89 (1.20)	34 1/16" (865)	16.82 (1.56)
ACW4048 ♦♦††	7.30 (0.68)	21 3/16" (538)	49 5/8" (1260)	13.48 (1.25)	14.02 (1.30)	30 1/16" (763)	18.13 (1.68)
ACW4050 ♦♦††	7.89 (0.73)	21 3/16" (538)	53 5/8" (1362)	14.60 (1.36)	15.15 (1.41)	26 1/16" (662)	19.44 (1.81)
ACW4054 ♦♦††	8.48 (0.79)	21 3/16" (538)	57 5/8" (1464)	15.73 (1.46)	16.29 (1.51)	22 1/16" (560)	20.75 (1.93)
ACW4058 ♦♦††	9.07 (0.84)	21 3/16" (538)	61 5/8" (1565)	16.86 (1.57)	17.42 (1.62)	18 1/16" (459)	22.07 (2.05)
ACW4060 ♦♦†	9.66 (0.90)	21 3/16" (538)	65 5/8" (1667)	17.99 (1.67)	18.55 (1.72)	14 1/16" (357)	23.38 (2.17)
ACW4064 ♦♦†	10.24 (0.95)	21 3/16" (538)	69 5/8" (1768)	19.12 (1.78)	19.68 (1.83)	10 1/16" (256)	24.69 (2.29)
ACW4068 ♦♦†	10.83 (1.01)	21 3/16" (538)	73 5/8" (1870)	20.24 (1.88)	20.81 (1.93)	6 1/16" (154)	26.00 (2.42)
ACW4070 ♦♦†	11.42 (1.06)	21 3/16" (538)	77 5/8" (1972)	21.37 (1.99)	21.94 (2.04)	15 9/16" (395)	27.32 (2.54)
ACW4074 ♦♦††	12.01 (1.12)	21 3/16" (538)	81 5/8" (2073)	22.50 (2.09)	23.07 (2.14)	11 9/16" (294)	28.63 (2.66)
ACW4078 ♦♦††	12.60 (1.17)	21 3/16" (538)	85 5/8" (2175)	23.63 (2.20)	24.20 (2.25)	7 9/16" (192)	29.94 (2.78)
ACW4080 ♦♦††	13.19 (1.23)	21 3/16" (538)	89 5/8" (2276)	24.75 (2.30)	25.33 (2.35)	3 9/16" (90)	31.25 (2.90)

- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.
- ♦ Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m<sup>2</sup>, clear opening width of 20" (508) and clear opening height of 24" (610) with a limited sash opening.
- \* Available with straight-arm operators only. All other sizes have split-arm operators only.
- † Not available with triple-pane annealed glass.
- †† Not available with triple-pane annealed or tempered glass.

**Casement Window Details**  
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



See pages 64-66 for horizontal and vertical joining details.

- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

# AWNING WINDOWS

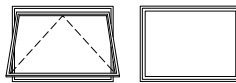
## Table of Awning Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-7 1/4"	1'-11 1/4"	2'-3 1/4"	2'-5 1/4"	2'-7 1/4"	2'-9 1/4"	2'-11 1/4"	3'-1 1/4"	3'-3 1/4"	3'-7 1/4"	3'-11 1/4"	4'-3 1/4"
	(489)	(591)	(692)	(743)	(794)	(845)	(895)	(946)	(997)	(1099)	(1200)	(1302)
<b>Minimum Rough Opening</b>	1'-8"	2'-0"	2'-4"	2'-6"	2'-8"	2'-10"	3'-0"	3'-2"	3'-4"	3'-8"	4'-0"	4'-4"
	(508)	(610)	(711)	(762)	(813)	(864)	(914)	(965)	(1016)	(1118)	(1219)	(1321)
Unobstructed Glass	12 5/8"	16 5/8"	20 5/8"	22 5/8"	24 5/8"	26 5/8"	28 5/8"	30 5/8"	32 5/8"	36 5/8"	40 5/8"	44 5/8"
	(320)	(422)	(523)	(574)	(625)	(676)	(726)	(777)	(828)	(930)	(1031)	(1133)

### CUSTOM SIZES AVAILABLE

Window Dimension	1'-3 1/4"	1'-7 1/4"	1'-9 1/4"	1'-11 1/4"	2'-3 1/4"	2'-7 1/4"	2'-11 1/4"	3'-3 1/4"	3'-7 1/4"	3'-11 1/4"	4'-3 1/4"	
	(387)	(489)	(540)	(591)	(692)	(794)	(895)	(997)	(1099)	(1200)	(1302)	
	(406)	(508)	(559)	(610)	(711)	(813)	(914)	(1016)	(1118)	(1219)	(1321)	
	7 13/16"	11 13/16"	13 13/16"	15 13/16"	19 13/16"	23 13/16"	27 13/16"	31 13/16"	35 13/16"	39 13/16"	44 5/8"	
	(198)	(300)	(351)	(401)	(503)	(605)	(706)	(808)	(909)	(1011)	(1133)	
<b>CUSTOM SIZES AVAILABLE</b>												
	AAN1814	AAN2014	AAN2414	AAN2614	AAN2814	AAN21014	AAN3014	AAN3214	AAN3414	AAN3814	AAN4014	AAN4414
	AAN1818	AAN2018	AAN2418	AAN2618	AAN2818	AAN21018	AAN3018	AAN3218	AAN3418	AAN3818	AAN4018	AAN4418
	AAN18110	AAN20110	AAN24110	AAN26110	AAN28110	AAN210110	AAN30110	AAN32110	AAN34110	AAN38110	AAN40110	AAN44110
	AAN1820	AAN2020	AAN2420	AAN2620	AAN2820	AAN21020	AAN3020	AAN3220	AAN3420	AAN3820	AAN4020	AAN4420
	AAN1824	AAN2024	AAN2424	AAN2624	AAN2824	AAN21024	AAN3024	AAN3224	AAN3424	AAN3824	AAN4024	AAN4424
	AAN1828	AAN2028	AAN2428	AAN2628	AAN2828	AAN21028	AAN3028	AAN3228	AAN3428	AAN3828	AAN4028	AAN4428
	AAN1830*	AAN2030*	AAN2430*	AAN2630*	AAN2830*	AAN21030*	AAN3030*	AAN3230*	AAN3430*	AAN3830*	AAN4030*	AAN4430*
	AAN1834**†	AAN2034**†	AAN2434**†	AAN2634**†	AAN2834**†	AAN21034**†	AAN3034**†	AAN3234**†	AAN3434**†	AAN3834**†	AAN4034**†	AAN4434**†
	AAN1838**†	AAN2038**†	AAN2438**†	AAN2638**†	AAN2838**†	AAN21038**†	AAN3038**†	AAN3238**†	AAN3438**†	AAN3838**†	AAN4038**†	AAN4438**†
	AAN1840**††	AAN2040**††	AAN2440**††	AAN2640**††	AAN2840**††	AAN21040**††	AAN3040**††	AAN3240**††	AAN3440**††	AAN3840**††	AAN4040**††	AAN4440**††



Venting      Stationary

Custom-size windows are available in 1/8" (3) increments.

See page 67 for custom sizes and specifications.

Choose venting or stationary.

**Awning window must be installed to vent as shown and should not be rotated and used as a hopper.**

Grille patterns shown on page 41.

• "Window Dimension" always refers to outside frame to frame dimension.  
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.  
 • Dimensions in parentheses are in millimeters.  
 \*Tandem locks are standard.  
 †Not available with triple-pane annealed glass.  
 ††Not available with triple-pane annealed or tempered glass.

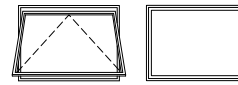


4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	5'-11 1/4" (1810)
4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
48 5/8" (1234)	52 5/8" (1336)	56 5/8" (1438)	60 5/8" (1539)	64 5/8" (1641)

AAN4814	AAN5014	AAN5414	AAN5814	AAN6014
AAN4818	AAN5018	AAN5418	AAN5818	AAN6018
AAN48110	AAN50110	AAN54110	AAN58110	AAN60110
AAN4820	AAN5020	AAN5420	AAN5820	AAN6020
AAN4824	AAN5024	AAN5424	AAN5824	AAN6024
AAN4828	AAN5028	AAN5428	AAN5828	AAN6028
AAN4830*	AAN5030*	AAN5430*	AAN5830*	AAN6030*
AAN4834*†	AAN5034*†	AAN5434*†	AAN5834*†	AAN6034*†
AAN4838*††	AAN5038*††	AAN5438*††	AAN5838*††	AAN6038*††
AAN4840*††	AAN5040*††	AAN5440*††	AAN5840*††	AAN6040*††



Custom-size windows are available in 1/8" (3) increments. See page 67 for custom sizes and specifications.



Venting Stationary

Choose venting or stationary.

**Awning window must be installed to vent as shown and should not be rotated and used as a hopper.**

Grille patterns shown on page 41.

- \* "Window Dimension" always refers to outside frame to frame dimension.
- \* "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- \*Tandem locks are standard.
- †Not available with triple-pane annealed glass.
- ††Not available with triple-pane annealed or tempered glass.

# AWNING WINDOWS

## Awning Window Opening and Area Specifications

Window Number	Clear Opening Area Sq. Ft./ (m <sup>2</sup> )	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Area Sq. Ft./ (m <sup>2</sup> )	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
		Width Inches/(mm)	Depth Inches/(mm)				
AAN1814	0.59 (0.05)	14 5/16" (364)	5 7/8" (150)	0.68 (0.06)	0.59 (0.05)	70 1/16" (1779)	2.04 (0.19)
AAN1818	0.59 (0.05)	14 5/16" (364)	5 7/8" (150)	1.03 (0.10)	0.59 (0.05)	66 1/16" (1678)	2.57 (0.24)
AAN18110	0.59 (0.05)	14 5/16" (364)	5 7/8" (150)	1.21 (0.11)	0.59 (0.05)	64 1/16" (1627)	2.84 (0.26)
AAN1820	0.59 (0.05)	14 5/16" (364)	5 7/8" (150)	1.38 (0.13)	0.59 (0.05)	62 1/16" (1576)	3.11 (0.29)
AAN1824	0.59 (0.05)	14 5/16" (364)	5 7/8" (150)	1.73 (0.16)	0.59 (0.05)	58 1/16" (1475)	3.64 (0.34)
AAN1828	0.59 (0.05)	14 5/16" (364)	5 7/8" (150)	2.08 (0.19)	0.59 (0.05)	54 1/16" (1373)	4.18 (0.39)
AAN1830	0.59 (0.05)	14 5/16" (364)	5 7/8" (150)	2.43 (0.23)	0.59 (0.05)	50 1/16" (1271)	4.71 (0.44)
AAN1834 †	0.59 (0.05)	14 5/16" (364)	5 7/8" (150)	2.78 (0.26)	0.59 (0.05)	46 1/16" (1170)	5.25 (0.49)
AAN1838 †	0.59 (0.05)	14 5/16" (364)	5 7/8" (150)	3.13 (0.29)	0.59 (0.05)	42 1/16" (1068)	5.78 (0.54)
AAN1840 †	0.59 (0.05)	14 5/16" (364)	5 7/8" (150)	3.48 (0.32)	0.59 (0.05)	38 1/16" (967)	6.32 (0.59)
AAN2014	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	0.90 (0.08)	0.75 (0.07)	70 1/16" (1779)	2.46 (0.23)
AAN2018	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	1.36 (0.13)	0.75 (0.07)	66 1/16" (1678)	3.11 (0.29)
AAN20110	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	1.59 (0.15)	0.75 (0.07)	64 1/16" (1627)	3.43 (0.32)
AAN2020	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	1.82 (0.17)	0.75 (0.07)	62 1/16" (1576)	3.75 (0.35)
AAN2024	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	2.28 (0.21)	0.75 (0.07)	58 1/16" (1475)	4.40 (0.41)
AAN2028	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	2.74 (0.25)	0.75 (0.07)	54 1/16" (1373)	5.05 (0.47)
AAN2030	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	3.21 (0.30)	0.75 (0.07)	50 1/16" (1271)	5.69 (0.53)
AAN2034 †	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	3.67 (0.34)	0.75 (0.07)	46 1/16" (1170)	6.34 (0.59)
AAN2038 †	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	4.13 (0.38)	0.75 (0.07)	42 1/16" (1068)	6.98 (0.65)
AAN2040 †	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	4.59 (0.43)	0.75 (0.07)	38 1/16" (967)	7.63 (0.71)
AAN2414	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	1.12 (0.10)	0.91 (0.08)	70 1/16" (1779)	2.89 (0.27)
AAN2418	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	1.69 (0.16)	0.91 (0.08)	66 1/16" (1678)	3.64 (0.34)
AAN24110	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	1.97 (0.18)	0.91 (0.08)	64 1/16" (1627)	4.02 (0.37)
AAN2420	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	2.26 (0.21)	0.91 (0.08)	62 1/16" (1576)	4.40 (0.41)
AAN2424	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	2.83 (0.26)	0.91 (0.08)	58 1/16" (1475)	5.16 (0.48)
AAN2428	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	3.41 (0.32)	0.91 (0.08)	54 1/16" (1373)	5.91 (0.55)
AAN2430	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	3.98 (0.37)	0.91 (0.08)	50 1/16" (1271)	6.67 (0.62)
AAN2434 †	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	4.55 (0.42)	0.91 (0.08)	46 1/16" (1170)	7.43 (0.69)
AAN2438 †	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	5.12 (0.48)	0.91 (0.08)	42 1/16" (1068)	8.18 (0.76)
AAN2440 †	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	5.69 (0.53)	0.91 (0.08)	38 1/16" (967)	8.94 (0.83)
AAN2614	0.99 (0.09)	24 5/16" (618)	5 7/8" (150)	1.22 (0.11)	0.99 (0.09)	70 1/16" (1779)	3.10 (0.29)
AAN2618	0.99 (0.09)	24 5/16" (618)	5 7/8" (150)	1.85 (0.17)	0.99 (0.09)	66 1/16" (1678)	3.91 (0.36)
AAN26110	0.99 (0.09)	24 5/16" (618)	5 7/8" (150)	2.17 (0.20)	0.99 (0.09)	64 1/16" (1627)	4.32 (0.40)
AAN2620	0.99 (0.09)	24 5/16" (618)	5 7/8" (150)	2.48 (0.23)	0.99 (0.09)	62 1/16" (1576)	4.72 (0.44)
AAN2624	0.99 (0.09)	24 5/16" (618)	5 7/8" (150)	3.11 (0.29)	0.99 (0.09)	58 1/16" (1475)	5.54 (0.51)
AAN2628	0.99 (0.09)	24 5/16" (618)	5 7/8" (150)	3.75 (0.35)	0.99 (0.09)	54 1/16" (1373)	6.35 (0.59)
AAN2630	0.99 (0.09)	24 5/16" (618)	5 7/8" (150)	4.36 (0.41)	0.99 (0.09)	50 1/16" (1271)	7.16 (0.67)
AAN2634 †	0.99 (0.09)	24 5/16" (618)	5 7/8" (150)	4.99 (0.46)	0.99 (0.09)	46 1/16" (1170)	7.97 (0.74)
AAN2638 †	0.99 (0.09)	24 5/16" (618)	5 7/8" (150)	5.62 (0.52)	0.99 (0.09)	42 1/16" (1068)	8.79 (0.82)
AAN2640 †	0.99 (0.09)	24 5/16" (618)	5 7/8" (150)	6.25 (0.58)	0.99 (0.09)	38 1/16" (967)	9.60 (0.89)
AAN2814	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	1.33 (0.12)	1.08 (0.10)	70 1/16" (1779)	3.31 (0.31)
AAN2818	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	2.02 (0.19)	1.08 (0.10)	66 1/16" (1678)	4.18 (0.39)
AAN28110	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	2.36 (0.22)	1.08 (0.10)	64 1/16" (1627)	4.61 (0.43)
AAN2820	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	2.70 (0.25)	1.08 (0.10)	62 1/16" (1576)	5.05 (0.47)
AAN2824	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	3.38 (0.31)	1.08 (0.10)	58 1/16" (1475)	5.91 (0.55)
AAN2828	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	4.07 (0.38)	1.08 (0.10)	54 1/16" (1373)	6.78 (0.63)
AAN2830	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	4.75 (0.44)	1.08 (0.10)	50 1/16" (1271)	7.65 (0.71)
AAN2834 †	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	5.43 (0.50)	1.08 (0.10)	46 1/16" (1170)	8.52 (0.79)
AAN2838 †	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	6.11 (0.57)	1.08 (0.10)	42 1/16" (1068)	9.39 (0.87)
AAN2840 †	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	6.80 (0.63)	1.08 (0.10)	38 1/16" (967)	10.25 (0.95)
AAN21014	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	1.44 (0.13)	1.16 (0.11)	70 1/16" (1779)	3.52 (0.33)
AAN21018	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	2.18 (0.20)	1.16 (0.11)	66 1/16" (1678)	4.45 (0.41)
AAN210110	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	2.55 (0.24)	1.16 (0.11)	64 1/16" (1627)	4.91 (0.46)
AAN21020	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	2.92 (0.27)	1.16 (0.11)	62 1/16" (1576)	5.37 (0.50)
AAN21024	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	3.66 (0.34)	1.16 (0.11)	58 1/16" (1475)	6.29 (0.58)
AAN21028	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	4.40 (0.41)	1.16 (0.11)	54 1/16" (1373)	7.22 (0.67)
AAN21030	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	5.14 (0.48)	1.16 (0.11)	50 1/16" (1271)	8.14 (0.76)
AAN21034 †	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	5.87 (0.55)	1.16 (0.11)	46 1/16" (1170)	9.06 (0.84)
AAN21038 †	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	6.61 (0.61)	1.16 (0.11)	42 1/16" (1068)	9.99 (0.93)

\* "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).

*continued on next page*

• Dimensions in parentheses are in millimeters or square meters.

† Not available with triple-pane annealed glass.

†† Not available with triple-pane annealed or tempered glass.



**Awning Window Opening and Area Specifications** *(continued)*

Window Number	Clear Opening Area Sq. Ft./ (m <sup>2</sup> )	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Area Sq. Ft./ (m <sup>2</sup> )	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
		Width Inches/ (mm)	Depth Inches/ (mm)				
AAN21040 †	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	7.35 (0.68)	1.16 (0.11)	38 1/16" (967)	10.91 (1.01)
AAN3014	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	1.55 (0.14)	1.24 (0.12)	70 1/16" (1779)	3.73 (0.35)
AAN3018	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	2.34 (0.22)	1.24 (0.12)	66 1/16" (1678)	4.71 (0.44)
AAN30110	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	2.74 (0.25)	1.24 (0.12)	64 1/16" (1627)	5.20 (0.48)
AAN3020	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	3.14 (0.29)	1.24 (0.12)	62 1/16" (1576)	5.69 (0.53)
AAN3024	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	3.93 (0.37)	1.24 (0.12)	58 1/16" (1475)	6.67 (0.62)
AAN3028	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	4.73 (0.44)	1.24 (0.12)	54 1/16" (1373)	7.56 (0.70)
AAN3030	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	5.52 (0.51)	1.24 (0.12)	50 1/16" (1271)	8.63 (0.80)
AAN3034 †	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	6.32 (0.59)	1.24 (0.12)	46 1/16" (1170)	9.61 (0.89)
AAN3038 †	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	7.11 (0.66)	1.24 (0.12)	42 1/16" (1068)	10.59 (0.98)
AAN3040 †	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	7.90 (0.73)	1.24 (0.12)	38 1/16" (967)	11.57 (1.07)
AAN3214	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	1.66 (0.15)	1.32 (0.12)	70 1/16" (1779)	3.95 (0.37)
AAN3218	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	2.51 (0.23)	1.32 (0.12)	66 1/16" (1678)	4.98 (0.46)
AAN32110	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	2.93 (0.27)	1.32 (0.12)	64 1/16" (1627)	5.50 (0.51)
AAN3220	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	3.36 (0.31)	1.32 (0.12)	62 1/16" (1576)	6.01 (0.56)
AAN3224	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	4.21 (0.39)	1.32 (0.12)	58 1/16" (1475)	7.05 (0.65)
AAN3228	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	5.06 (0.47)	1.32 (0.12)	54 1/16" (1373)	8.08 (0.75)
AAN3230	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	5.91 (0.55)	1.32 (0.12)	50 1/16" (1271)	9.12 (0.85)
AAN3234 †	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	6.76 (0.63)	1.32 (0.12)	46 1/16" (1170)	10.15 (0.94)
AAN3238 †	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	7.61 (0.71)	1.32 (0.12)	42 1/16" (1068)	11.19 (1.04)
AAN3240 †	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	8.46 (0.79)	1.32 (0.12)	38 1/16" (967)	12.22 (1.14)
AAN3414	1.40 (0.13)	34 5/16" (872)	5 7/8" (150)	1.77 (0.16)	1.40 (0.13)	70 1/16" (1779)	4.16 (0.39)
AAN3418	1.40 (0.13)	34 5/16" (872)	5 7/8" (150)	2.67 (0.25)	1.40 (0.13)	66 1/16" (1678)	5.25 (0.49)
AAN34110	1.40 (0.13)	34 5/16" (872)	5 7/8" (150)	3.12 (0.29)	1.40 (0.13)	64 1/16" (1627)	5.79 (0.54)
AAN3420	1.40 (0.13)	34 5/16" (872)	5 7/8" (150)	3.58 (0.33)	1.40 (0.13)	62 1/16" (1576)	6.34 (0.59)
AAN3424	1.40 (0.13)	34 5/16" (872)	5 7/8" (150)	4.48 (0.42)	1.40 (0.13)	58 1/16" (1475)	7.43 (0.69)
AAN3428	1.40 (0.13)	34 5/16" (872)	5 7/8" (150)	5.39 (0.50)	1.40 (0.13)	54 1/16" (1373)	8.52 (0.79)
AAN3430	1.40 (0.13)	34 5/16" (872)	5 7/8" (150)	6.29 (0.58)	1.40 (0.13)	50 1/16" (1271)	9.61 (0.89)
AAN3434 †	1.40 (0.13)	34 5/16" (872)	5 7/8" (150)	7.20 (0.67)	1.40 (0.13)	46 1/16" (1170)	10.70 (0.99)
AAN3438 †	1.40 (0.13)	34 5/16" (872)	5 7/8" (150)	8.10 (0.75)	1.40 (0.13)	42 1/16" (1068)	11.79 (1.10)
AAN3440 †	1.40 (0.13)	34 5/16" (872)	5 7/8" (150)	9.01 (0.84)	1.40 (0.13)	38 1/16" (967)	12.88 (1.20)
AAN3814	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	1.98 (0.18)	1.57 (0.15)	70 1/16" (1779)	4.58 (0.43)
AAN3818	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	3.00 (0.28)	1.57 (0.15)	66 1/16" (1678)	5.78 (0.54)
AAN38110	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	3.51 (0.33)	1.57 (0.15)	64 1/16" (1627)	6.38 (0.59)
AAN3820	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	4.02 (0.37)	1.57 (0.15)	62 1/16" (1576)	6.98 (0.65)
AAN3824	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	5.03 (0.47)	1.57 (0.15)	58 1/16" (1475)	8.18 (0.76)
AAN3828	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	6.05 (0.56)	1.57 (0.15)	54 1/16" (1373)	9.39 (0.87)
AAN3830	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	7.07 (0.66)	1.57 (0.15)	50 1/16" (1271)	10.59 (0.98)
AAN3834 †	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	8.08 (0.75)	1.57 (0.15)	46 1/16" (1170)	11.79 (1.10)
AAN3838 ††	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	9.10 (0.85)	1.57 (0.15)	42 1/16" (1068)	12.99 (1.21)
AAN3840 ††	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	10.12 (0.94)	1.57 (0.15)	38 1/16" (967)	14.19 (1.32)
AAN4014	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	2.20 (0.20)	1.73 (0.16)	70 1/16" (1779)	5.00 (0.46)
AAN4018	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	3.33 (0.31)	1.73 (0.16)	66 1/16" (1678)	6.32 (0.59)
AAN40110	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	3.89 (0.36)	1.73 (0.16)	64 1/16" (1627)	6.97 (0.65)
AAN4020	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	4.46 (0.41)	1.73 (0.16)	62 1/16" (1576)	7.63 (0.71)
AAN4024	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	5.58 (0.52)	1.73 (0.16)	58 1/16" (1475)	8.94 (0.83)
AAN4028	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	6.71 (0.62)	1.73 (0.16)	54 1/16" (1373)	10.25 (0.95)
AAN4030	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	7.84 (0.73)	1.73 (0.16)	50 1/16" (1271)	11.57 (1.07)
AAN4034 †	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	8.97 (0.83)	1.73 (0.16)	46 1/16" (1170)	12.88 (1.20)
AAN4038 ††	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	10.09 (0.94)	1.73 (0.16)	42 1/16" (1068)	14.19 (1.32)
AAN4040 ††	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	11.22 (1.04)	1.73 (0.16)	38 1/16" (967)	15.50 (1.44)
AAN4414	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	2.42 (0.22)	1.90 (0.18)	70 1/16" (1779)	5.43 (0.50)
AAN4418	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	3.66 (0.34)	1.90 (0.18)	66 1/16" (1678)	6.85 (0.64)
AAN44110	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	4.27 (0.40)	1.90 (0.18)	64 1/16" (1627)	7.56 (0.70)
AAN4420	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	4.89 (0.45)	1.90 (0.18)	62 1/16" (1576)	8.28 (0.77)
AAN4424	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	6.13 (0.57)	1.90 (0.18)	58 1/16" (1475)	9.70 (0.90)
AAN4428	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	7.37 (0.68)	1.90 (0.18)	54 1/16" (1373)	11.12 (1.03)
AAN4430	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	8.61 (0.80)	1.90 (0.18)	50 1/16" (1271)	12.55 (1.17)
AAN4434 †	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	9.85 (0.92)	1.90 (0.18)	46 1/16" (1170)	13.97 (1.30)

• "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).  
 • Dimensions in parentheses are in millimeters or square meters.  
 †Not available with triple-pane annealed glass.  
 ††Not available with triple-pane annealed or tempered glass.

*continued on next page*

# AWNING WINDOWS

## Awning Window Opening and Area Specifications (continued)

Window Number	Clear Opening Area Sq. Ft./ (m <sup>2</sup> )	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Area Sq. Ft./ (m <sup>2</sup> )	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
		Width Inches/(mm)	Depth Inches/(mm)				
AAN4438 ††	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	11.09 (1.03)	1.90 (0.18)	42 1/16" (1068)	15.39 (1.43)
AAN4440 ††	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	12.33 (1.15)	1.90 (0.18)	38 1/16" (967)	16.82 (1.56)
AAN4814	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	2.63 (0.24)	2.06 (0.19)	70 1/16" (1779)	5.85 (0.54)
AAN4818	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	3.98 (0.37)	2.06 (0.19)	66 1/16" (1678)	7.39 (0.69)
AAN48110	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	4.66 (0.43)	2.06 (0.19)	64 1/16" (1627)	8.15 (0.76)
AAN4820	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	5.33 (0.50)	2.06 (0.19)	62 1/16" (1576)	8.92 (0.83)
AAN4824	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	6.68 (0.62)	2.06 (0.19)	58 1/16" (1475)	10.46 (0.97)
AAN4828	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	8.03 (0.75)	2.06 (0.19)	54 1/16" (1373)	11.99 (1.11)
AAN4830	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	9.38 (0.87)	2.06 (0.19)	50 1/16" (1271)	13.53 (1.26)
AAN4834 †	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	10.73 (1.00)	2.06 (0.19)	46 1/16" (1170)	15.06 (1.40)
AAN4838 ††	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	12.08 (1.12)	2.06 (0.19)	42 1/16" (1068)	16.59 (1.54)
AAN4840 ††	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	13.43 (1.25)	2.06 (0.19)	38 1/16" (967)	18.13 (1.68)
AAN5014	2.22 (0.21)	54 5/16" (1380)	5 7/8" (150)	2.85 (0.26)	2.22 (0.21)	70 1/16" (1779)	6.28 (0.58)
AAN5018	2.22 (0.21)	54 5/16" (1380)	5 7/8" (150)	4.31 (0.40)	2.22 (0.21)	66 1/16" (1678)	7.92 (0.74)
AAN50110	2.22 (0.21)	54 5/16" (1380)	5 7/8" (150)	5.04 (0.47)	2.22 (0.21)	64 1/16" (1627)	8.74 (0.81)
AAN5020	2.22 (0.21)	54 5/16" (1380)	5 7/8" (150)	5.77 (0.54)	2.22 (0.21)	62 1/16" (1576)	9.57 (0.89)
AAN5024	2.22 (0.21)	54 5/16" (1380)	5 7/8" (150)	7.23 (0.67)	2.22 (0.21)	58 1/16" (1475)	11.21 (1.04)
AAN5428	2.39 (0.22)	54 5/16" (1380)	5 7/8" (150)	9.36 (0.87)	2.39 (0.22)	54 1/16" (1373)	13.73 (1.28)
AAN5030	2.22 (0.21)	54 5/16" (1380)	5 7/8" (150)	10.16 (0.94)	2.22 (0.21)	50 1/16" (1271)	14.50 (1.35)
AAN5034 †	2.05 (0.19)	54 5/16" (1380)	5 7/8" (150)	11.62 (1.08)	2.05 (0.19)	46 1/16" (1170)	16.15 (1.50)
AAN5038 ††	1.88 (0.17)	54 5/16" (1380)	5 7/8" (150)	13.08 (1.22)	1.88 (0.17)	42 1/16" (1068)	17.80 (1.65)
AAN5040 ††	1.71 (0.16)	54 5/16" (1380)	5 7/8" (150)	14.54 (1.35)	1.71 (0.16)	38 1/16" (967)	19.44 (1.81)
AAN5414	2.39 (0.22)	58 5/16" (1481)	5 7/8" (150)	3.07 (0.29)	2.39 (0.22)	70 1/16" (1779)	6.70 (0.62)
AAN5418	2.39 (0.22)	58 5/16" (1481)	5 7/8" (150)	4.64 (0.43)	2.39 (0.22)	66 1/16" (1678)	8.46 (0.79)
AAN54110	2.39 (0.22)	58 5/16" (1481)	5 7/8" (150)	5.42 (0.50)	2.39 (0.22)	64 1/16" (1627)	9.33 (0.87)
AAN5420	2.39 (0.22)	58 5/16" (1481)	5 7/8" (150)	6.21 (0.58)	2.39 (0.22)	62 1/16" (1576)	10.21 (0.95)
AAN5424	2.39 (0.22)	58 5/16" (1481)	5 7/8" (150)	7.78 (0.72)	2.39 (0.22)	58 1/16" (1475)	11.97 (1.11)
AAN5028	2.22 (0.21)	58 5/16" (1481)	5 7/8" (150)	8.69 (0.81)	2.22 (0.21)	54 1/16" (1373)	12.86 (1.19)
AAN5430	2.39 (0.22)	58 5/16" (1481)	5 7/8" (150)	10.93 (1.02)	2.39 (0.22)	50 1/16" (1271)	15.48 (1.44)
AAN5434 †	2.56 (0.24)	58 5/16" (1481)	5 7/8" (150)	12.50 (1.16)	2.56 (0.24)	46 1/16" (1170)	17.24 (1.60)
AAN5438 ††	2.73 (0.25)	58 5/16" (1481)	5 7/8" (150)	14.07 (1.31)	2.73 (0.25)	42 1/16" (1068)	19.00 (1.77)
AAN5440 ††	2.90 (0.27)	58 5/16" (1481)	5 7/8" (150)	15.64 (1.45)	2.90 (0.27)	38 1/16" (967)	20.75 (1.93)
AAN5814	2.55 (0.24)	62 5/16" (1583)	5 7/8" (150)	3.28 (0.30)	2.55 (0.24)	70 1/16" (1779)	7.12 (0.66)
AAN5818	2.55 (0.24)	62 5/16" (1583)	5 7/8" (150)	4.97 (0.46)	2.55 (0.24)	66 1/16" (1678)	8.99 (0.84)
AAN58110	2.55 (0.24)	62 5/16" (1583)	5 7/8" (150)	5.81 (0.54)	2.55 (0.24)	64 1/16" (1627)	9.92 (0.92)
AAN5820	2.55 (0.24)	62 5/16" (1583)	5 7/8" (150)	6.65 (0.62)	2.55 (0.24)	62 1/16" (1576)	10.86 (1.01)
AAN5824	2.55 (0.24)	62 5/16" (1583)	5 7/8" (150)	8.33 (0.77)	2.55 (0.24)	58 1/16" (1475)	12.73 (1.18)
AAN5828	2.55 (0.24)	62 5/16" (1583)	5 7/8" (150)	10.02 (0.93)	2.55 (0.24)	54 1/16" (1373)	14.59 (1.36)
AAN5830	2.55 (0.24)	62 5/16" (1583)	5 7/8" (150)	11.70 (1.09)	2.55 (0.24)	50 1/16" (1271)	16.46 (1.53)
AAN5834 †	2.55 (0.24)	62 5/16" (1583)	5 7/8" (150)	13.38 (1.24)	2.55 (0.24)	46 1/16" (1170)	18.33 (1.70)
AAN5838 ††	2.55 (0.24)	62 5/16" (1583)	5 7/8" (150)	15.07 (1.40)	2.55 (0.24)	42 1/16" (1068)	20.20 (1.88)
AAN5840 ††	2.55 (0.24)	62 5/16" (1583)	5 7/8" (150)	16.75 (1.56)	2.55 (0.24)	38 1/16" (967)	22.07 (2.05)
AAN6014	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	3.50 (0.33)	2.71 (0.25)	70 1/16" (1779)	7.55 (0.70)
AAN6018	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	5.29 (0.49)	2.71 (0.25)	66 1/16" (1678)	9.53 (0.89)
AAN60110	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	6.19 (0.58)	2.71 (0.25)	64 1/16" (1627)	10.51 (0.98)
AAN6020	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	7.09 (0.66)	2.71 (0.25)	62 1/16" (1576)	11.50 (1.07)
AAN6024	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	8.88 (0.82)	2.71 (0.25)	58 1/16" (1475)	13.48 (1.25)
AAN6028	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	10.68 (0.99)	2.71 (0.25)	54 1/16" (1373)	15.46 (1.44)
AAN6030	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	12.47 (1.16)	2.71 (0.25)	50 1/16" (1271)	17.44 (1.62)
AAN6034 †	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	14.27 (1.33)	2.71 (0.25)	46 1/16" (1170)	19.42 (1.80)
AAN6038 ††	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	16.06 (1.49)	2.71 (0.25)	42 1/16" (1068)	21.40 (1.99)
AAN6040 ††	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	17.85 (1.66)	2.71 (0.25)	38 1/16" (967)	23.38 (2.17)

• "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).

• Dimensions in parentheses are in millimeters or square meters.

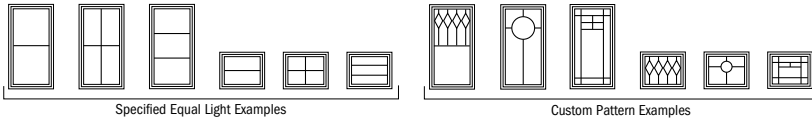
†Not available with triple-pane annealed glass.

††Not available with triple-pane annealed or tempered glass.

Grille Patterns

	Queen Anne	Diamond	Prairie A	Specified Equal Light with Simulated Check Rail	Colonial	Modified* Colonial	Modified* Colonial with Simulated Check Rail	Tall Fractional	Tall Fractional with Simulated Check Rail	Short Fractional	Short Fractional with Simulated Check Rail
<b>Casement</b>											
<b>Awning</b>											

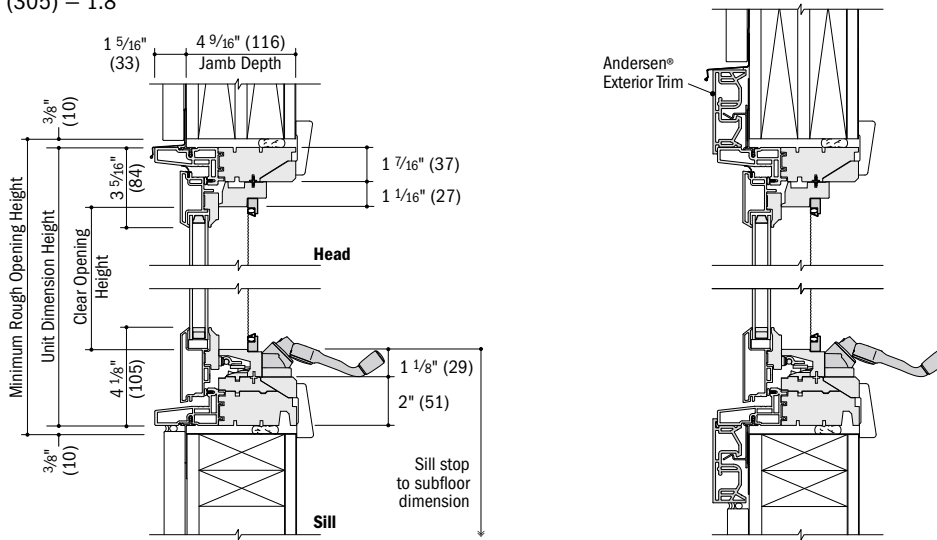
\*Location from top of window to bottom of divided light pattern is available at 8" (203)- 10" (254), 12" (305), center and at custom dimensions.



Number of lights and overall pattern varies with window size. Patterns shown may not be available for all sizes. Specified equal light and custom patterns are also available. For more information on divided light, see pages 12-13 or visit [andersenwindows.com/grilles](http://andersenwindows.com/grilles).

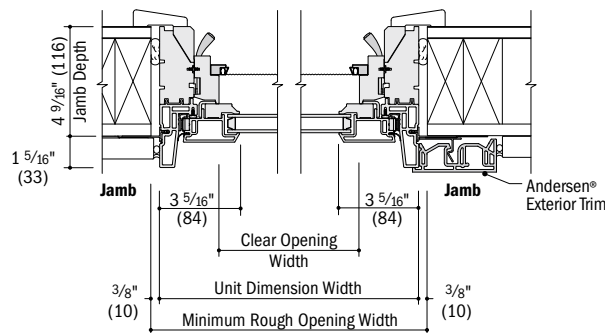
Awning Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Vertical Section

Vertical Section



Horizontal Section

See pages 64-66 for horizontal and vertical joining details.

- 4 9/16" (116) jamb depth measurement is from backside of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at [andersenwindows.com](http://andersenwindows.com).

# DOUBLE-HUNG WINDOWS

**Table of Double-Hung Window Sizes**

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on the next page also apply to this page.

Unit Dimension	1'-7 1/4"	1'-11 1/4"	2'-3 1/4"	2'-5 1/4"	2'-7 1/4"	2'-9 1/4"	2'-11 1/4"	3'-1 1/4"	3'-3 1/4"	3'-7 1/4"	3'-11 1/4"
	(489)	(591)	(692)	(743)	(794)	(845)	(895)	(946)	(997)	(1099)	(1200)
<b>Minimum Rough Opening</b>	1'-8"	2'-0"	2'-4"	2'-6"	2'-8"	2'-10"	3'-0"	3'-2"	3'-4"	3'-8"	4'-0"
	(508)	(610)	(711)	(762)	(813)	(864)	(914)	(965)	(1016)	(1118)	(1219)
Unobstructed Glass (lower sash only)	12 5/8"	16 5/8"	20 5/8"	22 5/8"	24 5/8"	26 5/8"	28 5/8"	30 5/8"	32 5/8"	36 5/8"	40 5/8"
	(321)	(422)	(524)	(575)	(625)	(676)	(727)	(778)	(829)	(930)	(1032)

2:3 cottage or 3:2 reverse cottage sash ratio available for all standard widths and heights up to 6'-7 1/4" (2013).  
**CUSTOM WIDTHS – 15 1/4" to 47 1/4"**  
**CUSTOM HEIGHTS – 31 1/4" to 80 1/4"**

Unit Dimension	CUSTOM WIDTHS – 15 1/4" to 47 1/4"											Cottage		Reverse Cottage	
	ADH1830	ADH2030	ADH2430	ADH2630	ADH2830	ADH21030	ADH3030	ADH3230	ADH3430	ADH3830*	ADH4030*				
2'-11 1/4" (895) 3'-0" (914) 12 13/16" (325)															
3'-3 1/4" (997) 3'-4" (1016) 14 13/16" (376)															
3'-7 1/4" (1099) 3'-8" (1118) 16 13/16" (427)															
3'-11 1/4" (1200) 4'-0" (1219) 18 13/16" (478)															
4'-3 1/4" (1302) 4'-4" (1321) 20 13/16" (529)															
4'-7 1/4" (1403) 4'-8" (1422) 22 13/16" (579)															
4'-11 1/4" (1505) 5'-0" (1524) 24 13/16" (630)															
5'-3 1/4" (1607) 5'-4" (1626) 26 13/16" (681)															
5'-7 1/4" (1708) 5'-8" (1727) 28 13/16" (732)															
5'-11 1/4" (1810) 6'-0" (1829) 30 13/16" (783)															
6'-3 1/4" (1911) 6'-4" (1930) 32 13/16" (833)															

continued on next page

**Table of Double-Hung Window Sizes** (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Unit Dimension	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-7 1/4" (794)	2'-9 1/4" (845)	2'-11 1/4" (895)	3'-1 1/4" (946)	3'-3 1/4" (997)	3'-7 1/4" (1099)	3'-11 1/4" (1200)
<b>Minimum Rough Opening</b>	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-6" (762)	2'-8" (813)	2'-10" (864)	3'-0" (914)	3'-2" (965)	3'-4" (1016)	3'-8" (1118)	4'-0" (1219)
Unobstructed Glass (lower sash only)	12 5/8" (321)	16 5/8" (422)	20 5/8" (524)	22 5/8" (575)	24 5/8" (625)	26 5/8" (676)	28 5/8" (727)	30 5/8" (778)	32 5/8" (829)	36 5/8" (930)	40 5/8" (1031)

2:3 cottage or 3:2 reverse cottage sash ratio available for all standard widths and heights up to 6'-7 1/4" (2013).  
**CUSTOM WIDTHS – 15 1/4" to 47 1/4"**  
**CUSTOM HEIGHTS – 31 3/4" to 80 1/8"**

**CUSTOM WIDTHS – 15 1/4" to 47 1/4"**

**CUSTOM HEIGHTS – 27 1/4" to 95 1/4"**

6'-7 1/4" (2013)  
6'-8" (2032)  
34 13/16" (884)

7'-3 1/4" (2216)  
7'-4" (2235)  
38 13/16" (986)

7'-11 1/4" (2419)  
8'-0" (2438)  
42 13/16" (1087)

2  
3  
3  
2

Cottage Reverse Cottage

ADH1868 ADH2068 ADH2468 ADH2668<sup>0</sup> ADH2868<sup>0</sup> ADH21068<sup>0</sup> ADH3068<sup>0</sup> ADH3268<sup>0</sup> ADH3468<sup>0</sup> ADH3868<sup>0\*\*</sup> ADH4068<sup>0\*\*</sup>

ADH1874 ADH2074 ADH2474<sup>0</sup> ADH2674<sup>0</sup> ADH2874<sup>0</sup> ADH21074<sup>0</sup> ADH3074<sup>0</sup> ADH3274<sup>0</sup> ADH3474<sup>0\*</sup> ADH3874<sup>0\*\*</sup> ADH4074<sup>0\*\*</sup>

ADH1880 ADH2080 ADH2480<sup>0</sup> ADH2680<sup>0</sup> ADH2880<sup>0</sup> ADH21080<sup>0</sup> ADH3080<sup>0\*</sup> ADH3280<sup>0\*</sup> ADH3480<sup>0\*</sup> ADH3880<sup>0\*\*</sup> ADH4080<sup>0\*\*</sup>

A-Series  
Double-Hung Windows



Custom-size windows are available in 1/8" (3) increments. See pages 68 for custom sizes and specifications including windows with cottage and reverse cottage sash.

For windows with dual-pane glass, two locks are standard on windows wider than 3'-3 1/4" (997). For windows with triple-pane glass or Andersen® art glass, two locks are standard on sizes wider than 1'-7 1/8" (486) (all sizes shown).

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- Two locks are standard for windows with triple-pane glass or Andersen® art glass on sizes wider than 1'-7 1/8" (486) (all sizes shown).
- Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m<sup>2</sup>, clear opening width of 20" (508) and clear opening height of 24" (610). See tables on pages 44-46.
- Limited sash travel for windows with triple-pane glass or art glass. Sizes 3880 and 4080 are not available with art glass.
- Two locks are standard for windows with dual-pane glass on sizes wider than 3'-3 1/4" (997).

# DOUBLE-HUNG WINDOWS

## Double-Hung Window Opening and Area Specifications

Window Number	Clear Opening Area Sq. Ft./ (m <sup>2</sup> )	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Area Sq. Ft./ (m <sup>2</sup> )	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
		Width Inches/(mm)	Height Inches/(mm)				
ADH1830	1.37 (0.13)	15 3/16" (386)	13" (330)	2.24 (0.21)	1.46 (0.14)	48 7/8" (1242)	4.71 (0.44)
ADH1834	1.58 (0.15)	15 3/16" (386)	15" (380)	2.59 (0.24)	1.67 (0.16)	44 7/8" (1140)	5.25 (0.49)
ADH1838	1.79 (0.17)	15 3/16" (386)	17" (431)	2.94 (0.27)	1.88 (0.17)	40 7/8" (1039)	5.78 (0.54)
ADH1840	2.00 (0.19)	15 3/16" (386)	19" (482)	3.29 (0.31)	2.09 (0.19)	36 7/8" (937)	6.32 (0.59)
ADH1844	2.21 (0.21)	15 3/16" (386)	21" (533)	3.64 (0.34)	2.30 (0.21)	32 7/8" (836)	6.85 (0.64)
ADH1848	2.42 (0.23)	15 3/16" (386)	23" (584)	3.99 (0.37)	2.51 (0.23)	28 7/8" (734)	7.39 (0.69)
ADH1850	2.64 (0.24)	15 3/16" (386)	25" (634)	4.34 (0.40)	2.72 (0.25)	24 7/8" (632)	7.92 (0.74)
ADH1854	2.85 (0.26)	15 3/16" (386)	27" (685)	4.69 (0.44)	2.94 (0.27)	20 7/8" (531)	8.46 (0.79)
ADH1858	3.06 (0.28)	15 3/16" (386)	29" (736)	5.04 (0.47)	3.15 (0.29)	16 7/8" (429)	8.99 (0.84)
ADH1860	3.27 (0.30)	15 3/16" (386)	31" (787)	5.39 (0.50)	3.36 (0.31)	12 7/8" (328)	9.52 (0.88)
ADH1864	3.48 (0.32)	15 3/16" (386)	33" (838)	5.74 (0.53)	3.56 (0.33)	8 7/8" (226)	10.06 (0.93)
ADH1868	3.69 (0.34)	15 3/16" (386)	35" (889)	6.09 (0.57)	3.78 (0.35)	* *	10.59 (0.98)
ADH1874	4.11 (0.38)	15 3/16" (386)	39" (991)	6.79 (0.63)	4.20 (0.39)	* *	11.66 (1.08)
ADH1880	4.53 (0.42)	15 3/16" (386)	43" (1092)	7.49 (0.70)	4.62 (0.43)	* *	12.73 (1.18)
ADH2030	1.73 (0.16)	19 3/16" (488)	13" (330)	2.95 (0.27)	1.84 (0.17)	48 7/8" (1242)	5.69 (0.53)
ADH2034	2.00 (0.19)	19 3/16" (488)	15" (380)	3.41 (0.32)	2.11 (0.20)	44 7/8" (1140)	6.34 (0.59)
ADH2038	2.26 (0.21)	19 3/16" (488)	17" (431)	3.87 (0.36)	2.38 (0.22)	40 7/8" (1039)	6.98 (0.65)
ADH2040	2.53 (0.24)	19 3/16" (488)	19" (482)	4.33 (0.40)	2.64 (0.25)	36 7/8" (937)	7.63 (0.71)
ADH2044	2.80 (0.26)	19 3/16" (488)	21" (533)	4.80 (0.45)	2.91 (0.27)	32 7/8" (836)	8.27 (0.77)
ADH2048	3.06 (0.28)	19 3/16" (488)	23" (584)	5.26 (0.49)	3.18 (0.29)	28 7/8" (734)	8.92 (0.83)
ADH2050	3.33 (0.31)	19 3/16" (488)	25" (634)	5.72 (0.53)	3.44 (0.32)	24 7/8" (632)	9.57 (0.89)
ADH2054	3.60 (0.33)	19 3/16" (488)	27" (685)	6.18 (0.57)	3.71 (0.34)	20 7/8" (531)	10.21 (0.95)
ADH2058	3.86 (0.36)	19 3/16" (488)	29" (736)	6.64 (0.62)	3.98 (0.37)	16 7/8" (429)	10.86 (1.01)
ADH2060	4.13 (0.38)	19 3/16" (488)	31" (787)	7.10 (0.66)	4.24 (0.39)	12 7/8" (328)	11.50 (1.07)
ADH2064	4.40 (0.41)	19 3/16" (488)	33" (838)	7.56 (0.70)	4.50 (0.42)	8 7/8" (226)	12.15 (1.13)
ADH2068	4.66 (0.43)	19 3/16" (488)	35" (889)	8.02 (0.75)	4.77 (0.44)	* *	12.80 (1.19)
ADH2074	5.20 (0.48)	19 3/16" (488)	39" (991)	8.95 (0.83)	5.30 (0.49)	* *	14.09 (1.31)
ADH2080	5.73 (0.53)	19 3/16" (488)	43" (1092)	9.87 (0.92)	5.84 (0.54)	* *	15.38 (1.43)
ADH2430	2.09 (0.19)	23 3/16" (589)	13" (330)	3.66 (0.34)	2.23 (0.21)	48 7/8" (1242)	6.67 (0.62)
ADH2434	2.41 (0.22)	23 3/16" (589)	15" (380)	4.24 (0.39)	2.55 (0.24)	44 7/8" (1140)	7.43 (0.69)
ADH2438	2.73 (0.25)	23 3/16" (589)	17" (431)	4.81 (0.45)	2.87 (0.27)	40 7/8" (1039)	8.18 (0.76)
ADH2440	3.06 (0.28)	23 3/16" (589)	19" (482)	5.38 (0.50)	3.19 (0.30)	36 7/8" (937)	8.94 (0.83)
ADH2444	3.38 (0.31)	23 3/16" (589)	21" (533)	5.95 (0.55)	3.51 (0.33)	32 7/8" (836)	9.70 (0.90)
ADH2448	3.70 (0.34)	23 3/16" (589)	23" (584)	6.52 (0.61)	3.84 (0.36)	28 7/8" (734)	10.46 (0.97)
ADH2450	4.02 (0.37)	23 3/16" (589)	25" (634)	7.10 (0.66)	4.16 (0.39)	24 7/8" (632)	11.21 (1.04)
ADH2454	4.35 (0.40)	23 3/16" (589)	27" (685)	7.67 (0.71)	4.48 (0.42)	20 7/8" (531)	11.97 (1.11)
ADH2458	4.67 (0.43)	23 3/16" (589)	29" (736)	8.24 (0.77)	4.80 (0.45)	16 7/8" (429)	12.73 (1.18)
ADH2460	4.99 (0.46)	23 3/16" (589)	31" (787)	8.81 (0.82)	5.13 (0.48)	12 7/8" (328)	13.48 (1.25)
ADH2464	5.31 (0.49)	23 3/16" (589)	33" (838)	9.39 (0.87)	5.44 (0.51)	8 7/8" (226)	14.24 (1.32)
ADH2468	5.63 (0.52)	23 3/16" (589)	35" (889)	9.96 (0.93)	5.76 (0.54)	* *	15.00 (1.39)
ADH2474 ◊	6.28 (0.58)	23 3/16" (589)	39" (991)	11.10 (1.03)	6.41 (0.60)	* *	16.51 (1.53)
ADH2480 ◊	6.92 (0.64)	23 3/16" (589)	43" (1092)	12.25 (1.14)	7.05 (0.66)	* *	18.02 (1.67)
ADH2630	2.27 (0.21)	25 3/16" (640)	13" (330)	4.02 (0.37)	2.42 (0.22)	48 7/8" (1242)	7.16 (0.67)
ADH2634	2.62 (0.24)	25 3/16" (640)	15" (380)	4.65 (0.43)	2.77 (0.26)	44 7/8" (1140)	7.97 (0.74)
ADH2638	2.97 (0.28)	25 3/16" (640)	17" (431)	5.27 (0.49)	3.12 (0.29)	40 7/8" (1039)	8.79 (0.82)
ADH2640	3.32 (0.31)	25 3/16" (640)	19" (482)	5.90 (0.55)	3.47 (0.32)	36 7/8" (937)	9.60 (0.89)
ADH2644	3.67 (0.34)	25 3/16" (640)	21" (533)	6.53 (0.61)	3.82 (0.35)	32 7/8" (836)	10.41 (0.97)
ADH2648	4.02 (0.37)	25 3/16" (640)	23" (584)	7.16 (0.66)	4.17 (0.39)	28 7/8" (734)	11.22 (1.04)
ADH2650	4.37 (0.41)	25 3/16" (640)	25" (634)	7.79 (0.72)	4.52 (0.42)	24 7/8" (632)	12.04 (1.12)
ADH2654	4.72 (0.44)	25 3/16" (640)	27" (685)	8.41 (0.78)	4.87 (0.45)	20 7/8" (531)	12.85 (1.19)
ADH2658	5.07 (0.47)	25 3/16" (640)	29" (736)	9.04 (0.84)	5.22 (0.48)	16 7/8" (429)	13.66 (1.27)
ADH2660	5.42 (0.50)	25 3/16" (640)	31" (787)	9.67 (0.90)	5.57 (0.52)	12 7/8" (328)	14.47 (1.34)
ADH2664 ◊	5.77 (0.54)	25 3/16" (640)	33" (838)	10.30 (0.96)	5.91 (0.55)	8 7/8" (226)	15.29 (1.42)
ADH2668 ◊	6.12 (0.57)	25 3/16" (640)	35" (889)	10.92 (1.01)	6.26 (0.58)	* *	16.10 (1.50)
ADH2674 ◊	6.82 (0.63)	25 3/16" (640)	39" (991)	12.18 (1.13)	6.96 (0.65)	* *	17.72 (1.65)
ADH2680 ◊	7.52 (0.70)	25 3/16" (640)	43" (1092)	13.44 (1.25)	7.66 (0.71)	* *	19.35 (1.80)
ADH2830	2.45 (0.23)	27 3/16" (691)	13" (330)	4.37 (0.41)	2.61 (0.24)	48 7/8" (1242)	7.65 (0.71)
ADH2834	2.83 (0.26)	27 3/16" (691)	15" (380)	5.06 (0.47)	2.99 (0.28)	44 7/8" (1140)	8.52 (0.79)

For cottage and reverse cottage sash opening specifications, visit [andersenwindows.com/openingspecs](http://andersenwindows.com/openingspecs).

\* "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).

*continued on next page*

◊ Dimensions in parentheses are in millimeters or square meters.

◊ Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m<sup>2</sup>, clear opening width of 20" (508) and clear opening height of 24" (610).

\* Dimension varies depending on header height.

**Double-Hung Window Opening and Area Specifications** *(continued)*

Window Number	Clear Opening Area Sq. Ft./ (m <sup>2</sup> )		Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Area Sq. Ft./ (m <sup>2</sup> )	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
			Width Inches/(mm)	Height Inches/(mm)				
ADH2838	3.21	(0.30)	27 3/16" (691)	17" (431)	5.74 (0.53)	3.37 (0.31)	40 7/8" (1039)	9.39 (0.87)
ADH2840	3.58	(0.33)	27 3/16" (691)	19" (482)	6.42 (0.60)	3.74 (0.35)	36 7/8" (937)	10.25 (0.95)
ADH2844	3.96	(0.37)	27 3/16" (691)	21" (533)	7.11 (0.66)	4.12 (0.38)	32 7/8" (836)	11.12 (1.03)
ADH2848	4.34	(0.40)	27 3/16" (691)	23" (584)	7.79 (0.72)	4.50 (0.42)	28 7/8" (734)	11.99 (1.11)
ADH2850	4.72	(0.44)	27 3/16" (691)	25" (634)	8.47 (0.79)	4.88 (0.45)	24 7/8" (632)	12.86 (1.19)
ADH2854	5.10	(0.47)	27 3/16" (691)	27" (685)	9.16 (0.85)	5.25 (0.49)	20 7/8" (531)	13.73 (1.28)
ADH2858	5.47	(0.51)	27 3/16" (691)	29" (736)	9.84 (0.91)	5.63 (0.52)	16 7/8" (429)	14.59 (1.36)
ADH2860 ◊	5.85	(0.54)	27 3/16" (691)	31" (787)	10.52 (0.98)	6.01 (0.56)	12 7/8" (328)	15.46 (1.44)
ADH2864 ◊	6.23	(0.58)	27 3/16" (691)	33" (838)	11.21 (1.04)	6.38 (0.59)	8 7/8" (226)	16.33 (1.52)
ADH2868 ◊	6.61	(0.61)	27 3/16" (691)	35" (889)	11.89 (1.10)	6.76 (0.63)	* *	17.20 (1.60)
ADH2874 ◊	7.36	(0.68)	27 3/16" (691)	39" (991)	13.26 (1.23)	7.51 (0.70)	* *	18.93 (1.76)
ADH2880 ◊	8.12	(0.75)	27 3/16" (691)	43" (1092)	14.62 (1.36)	8.27 (0.77)	* *	20.67 (1.92)
ADH21030	2.63	(0.24)	29 3/16" (742)	13" (330)	4.73 (0.44)	2.80 (0.26)	48 7/8" (1242)	8.14 (0.76)
ADH21034	3.04	(0.28)	29 3/16" (742)	15" (380)	5.47 (0.51)	3.21 (0.30)	44 7/8" (1140)	9.06 (0.84)
ADH21038	3.44	(0.32)	29 3/16" (742)	17" (431)	6.21 (0.58)	3.61 (0.34)	40 7/8" (1039)	9.99 (0.93)
ADH21040	3.85	(0.36)	29 3/16" (742)	19" (482)	6.95 (0.65)	4.02 (0.37)	36 7/8" (937)	10.91 (1.01)
ADH21044	4.25	(0.40)	29 3/16" (742)	21" (533)	7.69 (0.71)	4.42 (0.41)	32 7/8" (836)	11.83 (1.10)
ADH21048	4.66	(0.43)	29 3/16" (742)	23" (584)	8.42 (0.78)	4.83 (0.45)	28 7/8" (734)	12.76 (1.19)
ADH21050	5.06	(0.47)	29 3/16" (742)	25" (634)	9.16 (0.85)	5.24 (0.49)	24 7/8" (632)	13.68 (1.27)
ADH21054	5.47	(0.51)	29 3/16" (742)	27" (685)	9.90 (0.92)	5.64 (0.52)	20 7/8" (531)	14.60 (1.36)
ADH21058 ◊	5.88	(0.55)	29 3/16" (742)	29" (736)	10.64 (0.99)	6.05 (0.56)	16 7/8" (429)	15.53 (1.44)
ADH21060 ◊	6.28	(0.58)	29 3/16" (742)	31" (787)	11.38 (1.06)	6.45 (0.60)	12 7/8" (328)	16.45 (1.53)
ADH21064 ◊	6.69	(0.62)	29 3/16" (742)	33" (838)	12.12 (1.13)	6.85 (0.64)	8 7/8" (226)	17.38 (1.61)
ADH21068 ◊	7.09	(0.66)	29 3/16" (742)	35" (889)	12.86 (1.19)	7.25 (0.67)	* *	18.30 (1.70)
ADH21074 ◊	7.90	(0.73)	29 3/16" (742)	39" (991)	14.34 (1.33)	8.07 (0.75)	* *	20.15 (1.87)
ADH21080 ◊	8.71	(0.81)	29 3/16" (742)	43" (1092)	15.81 (1.47)	8.88 (0.82)	* *	21.99 (2.04)
ADH3030	2.81	(0.26)	31 3/16" (792)	13" (330)	5.09 (0.47)	2.99 (0.28)	48 7/8" (1242)	8.63 (0.80)
ADH3034	3.25	(0.30)	31 3/16" (792)	15" (380)	5.88 (0.55)	3.43 (0.32)	44 7/8" (1140)	9.61 (0.89)
ADH3038	3.68	(0.34)	31 3/16" (792)	17" (431)	6.67 (0.62)	3.86 (0.36)	40 7/8" (1039)	10.59 (0.98)
ADH3040	4.11	(0.38)	31 3/16" (792)	19" (482)	7.47 (0.69)	4.29 (0.40)	36 7/8" (937)	11.57 (1.07)
ADH3044	4.54	(0.42)	31 3/16" (792)	21" (533)	8.26 (0.77)	4.73 (0.44)	32 7/8" (836)	12.55 (1.17)
ADH3048	4.98	(0.46)	31 3/16" (792)	23" (584)	9.06 (0.84)	5.16 (0.48)	28 7/8" (734)	13.52 (1.26)
ADH3050	5.41	(0.50)	31 3/16" (792)	25" (634)	9.85 (0.92)	5.59 (0.52)	24 7/8" (632)	14.50 (1.35)
ADH3054 ◊	5.84	(0.54)	31 3/16" (792)	27" (685)	10.65 (0.99)	6.03 (0.56)	20 7/8" (531)	15.48 (1.44)
ADH3058 ◊	6.28	(0.58)	31 3/16" (792)	29" (736)	11.44 (1.06)	6.46 (0.60)	16 7/8" (429)	16.46 (1.53)
ADH3060 ◊	6.71	(0.62)	31 3/16" (792)	31" (787)	12.24 (1.14)	6.89 (0.64)	12 7/8" (328)	17.44 (1.62)
ADH3064 ◊	7.14	(0.66)	31 3/16" (792)	33" (838)	13.03 (1.21)	7.32 (0.68)	8 7/8" (226)	18.42 (1.71)
ADH3068 ◊	7.58	(0.70)	31 3/16" (792)	35" (889)	13.82 (1.28)	7.75 (0.72)	* *	19.40 (1.80)
ADH3074 ◊	8.44	(0.78)	31 3/16" (792)	39" (991)	15.41 (1.43)	8.62 (0.80)	* *	21.36 (1.98)
ADH3080 ◊	9.31	(0.86)	31 3/16" (792)	43" (1092)	17.00 (1.58)	9.48 (0.88)	* *	23.32 (2.17)
ADH3230	2.99	(0.28)	33 3/16" (843)	13" (330)	5.44 (0.51)	3.19 (0.30)	48 7/8" (1242)	9.12 (0.85)
ADH3234	3.45	(0.32)	33 3/16" (843)	15" (380)	6.29 (0.58)	3.65 (0.34)	44 7/8" (1140)	10.15 (0.94)
ADH3238	3.91	(0.36)	33 3/16" (843)	17" (431)	7.14 (0.66)	4.11 (0.38)	40 7/8" (1039)	11.19 (1.04)
ADH3240	4.38	(0.41)	33 3/16" (843)	19" (482)	7.99 (0.74)	4.57 (0.42)	36 7/8" (937)	12.22 (1.14)
ADH3244	4.84	(0.45)	33 3/16" (843)	21" (533)	8.84 (0.82)	5.03 (0.47)	32 7/8" (836)	13.26 (1.23)
ADH3248	5.30	(0.49)	33 3/16" (843)	23" (584)	9.69 (0.90)	5.49 (0.51)	28 7/8" (734)	14.29 (1.33)
ADH3250 ◊	5.76	(0.53)	33 3/16" (843)	25" (634)	10.54 (0.98)	5.95 (0.55)	24 7/8" (632)	15.33 (1.42)
ADH3254 ◊	6.22	(0.58)	33 3/16" (843)	27" (685)	11.39 (1.06)	6.41 (0.60)	20 7/8" (531)	16.36 (1.52)
ADH3258 ◊	6.68	(0.62)	33 3/16" (843)	29" (736)	12.24 (1.14)	6.87 (0.64)	16 7/8" (429)	17.40 (1.62)
ADH3260 ◊	7.14	(0.66)	33 3/16" (843)	31" (787)	13.09 (1.22)	7.34 (0.68)	12 7/8" (328)	18.43 (1.71)
ADH3264 ◊	7.60	(0.71)	33 3/16" (843)	33" (838)	13.94 (1.30)	7.79 (0.72)	8 7/8" (226)	19.47 (1.81)
ADH3268 ◊	8.06	(0.75)	33 3/16" (843)	35" (889)	14.79 (1.37)	8.25 (0.77)	* *	20.50 (1.90)
ADH3274 ◊	8.99	(0.83)	33 3/16" (843)	39" (991)	16.49 (1.53)	9.17 (0.85)	* *	22.57 (2.10)
ADH3280 ◊	9.91	(0.92)	33 3/16" (843)	43" (1092)	18.19 (1.69)	10.09 (0.94)	* *	24.64 (2.29)
ADH3430	3.17	(0.29)	35 3/16" (894)	13" (330)	5.80 (0.54)	3.38 (0.31)	48 7/8" (1242)	9.61 (0.89)
ADH3434	3.66	(0.34)	35 3/16" (894)	15" (380)	6.70 (0.62)	3.87 (0.36)	44 7/8" (1140)	10.70 (0.99)
ADH3438	4.15	(0.39)	35 3/16" (894)	17" (431)	7.61 (0.71)	4.36 (0.40)	40 7/8" (1039)	11.79 (1.10)
ADH3440	4.64	(0.43)	35 3/16" (894)	19" (482)	8.51 (0.79)	4.84 (0.45)	36 7/8" (937)	12.88 (1.20)

For cottage and reverse cottage sash opening specifications, visit [andersenwindows.com/openingspecs](http://andersenwindows.com/openingspecs).

• "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).  
 • Dimensions in parentheses are in millimeters or square meters.  
 ◊ Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m<sup>2</sup>, clear opening width of 20" (508) and clear opening height of 24" (610).  
 \* Dimension varies depending on header height.

*continued on next page*

# DOUBLE-HUNG WINDOWS

## Double-Hung Window Opening and Area Specifications (continued)

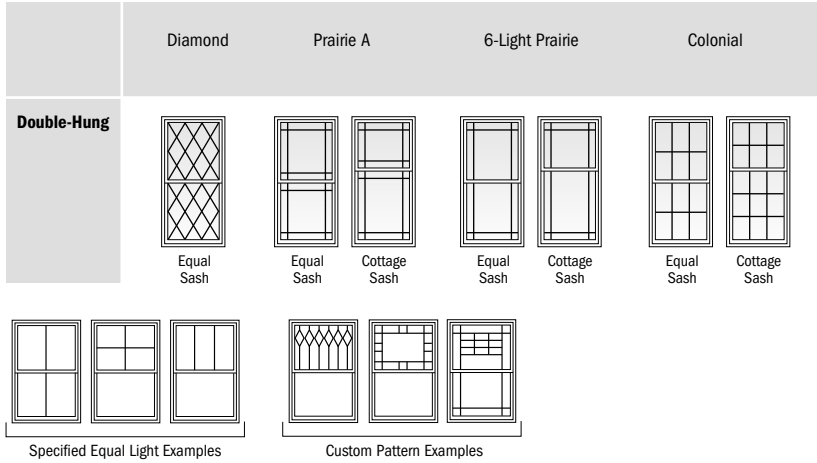
Window Number	Clear Opening Area Sq. Ft./ (m <sup>2</sup> )	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Area Sq. Ft./ (m <sup>2</sup> )	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
		Width Inches/ (mm)	Height Inches/ (mm)				
ADH3444	5.13 (0.48)	35 3/16" (894)	21" (533)	9.42 (0.87)	5.33 (0.50)	32 7/8" (836)	13.97 (1.30)
ADH3448	5.62 (0.52)	35 3/16" (894)	23" (584)	10.32 (0.96)	5.82 (0.54)	28 7/8" (734)	15.06 (1.40)
ADH3450 ◊	6.11 (0.57)	35 3/16" (894)	25" (634)	11.23 (1.04)	6.31 (0.59)	24 7/8" (632)	16.15 (1.50)
ADH3454 ◊	6.59 (0.61)	35 3/16" (894)	27" (685)	12.14 (1.13)	6.80 (0.63)	20 7/8" (531)	17.24 (1.60)
ADH3458 ◊	7.08 (0.66)	35 3/16" (894)	29" (736)	13.04 (1.21)	7.29 (0.68)	16 7/8" (429)	18.33 (1.70)
ADH3460 ◊	7.57 (0.70)	35 3/16" (894)	31" (787)	13.95 (1.30)	7.78 (0.72)	12 7/8" (328)	19.42 (1.80)
ADH3464 ◊	8.06 (0.75)	35 3/16" (894)	33" (838)	14.85 (1.38)	8.26 (0.77)	8 7/8" (226)	20.51 (1.91)
ADH3468 ◊	8.55 (0.79)	35 3/16" (894)	35" (889)	15.76 (1.46)	8.74 (0.81)	* *	21.60 (2.01)
ADH3474 ◊	9.53 (0.89)	35 3/16" (894)	39" (991)	17.57 (1.63)	9.72 (0.90)	* *	23.78 (2.21)
ADH3480 ◊	10.50 (0.98)	35 3/16" (894)	43" (1092)	19.38 (1.80)	10.70 (0.99)	* *	25.96 (2.41)
ADH3830	3.53 (0.33)	39 3/16" (996)	13" (330)	6.51 (0.60)	3.76 (0.35)	48 7/8" (1242)	10.59 (0.98)
ADH3834	4.08 (0.38)	39 3/16" (996)	15" (380)	7.52 (0.70)	4.31 (0.40)	44 7/8" (1140)	11.79 (1.10)
ADH3838	4.62 (0.43)	39 3/16" (996)	17" (431)	8.54 (0.79)	4.85 (0.45)	40 7/8" (1039)	12.99 (1.21)
ADH3840	5.17 (0.48)	39 3/16" (996)	19" (482)	9.56 (0.89)	5.40 (0.50)	36 7/8" (937)	14.19 (1.32)
ADH3844	5.71 (0.53)	39 3/16" (996)	21" (533)	10.57 (0.98)	5.94 (0.55)	32 7/8" (836)	15.39 (1.43)
ADH3848	6.25 (0.58)	39 3/16" (996)	23" (584)	11.59 (1.08)	6.48 (0.60)	28 7/8" (734)	16.59 (1.54)
ADH3850 ◊	6.80 (0.63)	39 3/16" (996)	25" (634)	12.61 (1.17)	7.03 (0.65)	24 7/8" (632)	17.80 (1.65)
ADH3854 ◊	7.34 (0.68)	39 3/16" (996)	27" (685)	13.62 (1.27)	7.57 (0.70)	20 7/8" (531)	19.00 (1.76)
ADH3858 ◊	7.89 (0.73)	39 3/16" (996)	29" (736)	14.64 (1.36)	8.12 (0.75)	16 7/8" (429)	20.20 (1.88)
ADH3860 ◊	8.43 (0.78)	39 3/16" (996)	31" (787)	15.66 (1.45)	8.66 (0.80)	12 7/8" (328)	21.40 (1.99)
ADH3864 ◊	8.98 (0.83)	39 3/16" (996)	33" (838)	16.67 (1.55)	9.19 (0.85)	8 7/8" (226)	22.60 (2.10)
ADH3868 ◊	9.52 (0.88)	39 3/16" (996)	35" (889)	17.69 (1.64)	9.74 (0.90)	* *	23.80 (2.21)
ADH3874 ◊	10.61 (0.99)	39 3/16" (996)	39" (991)	19.72 (1.83)	10.83 (1.01)	* *	26.21 (2.43)
ADH3880 ◊	11.70 (1.09)	39 3/16" (996)	43" (1092)	21.76 (2.02)	11.92 (1.11)	* *	28.61 (2.66)
ADH4030	3.89 (0.36)	43 3/16" (1097)	13" (330)	7.22 (0.67)	4.15 (0.39)	48 7/8" (1242)	11.57 (1.07)
ADH4034	4.49 (0.42)	43 3/16" (1097)	15" (380)	8.35 (0.78)	4.75 (0.44)	44 7/8" (1140)	12.88 (1.20)
ADH4038	5.09 (0.47)	43 3/16" (1097)	17" (431)	9.47 (0.88)	5.35 (0.50)	40 7/8" (1039)	14.19 (1.32)
ADH4040	5.69 (0.53)	43 3/16" (1097)	19" (482)	10.60 (0.98)	5.95 (0.55)	36 7/8" (937)	15.50 (1.44)
ADH4044	6.29 (0.58)	43 3/16" (1097)	21" (533)	11.73 (1.09)	6.55 (0.61)	32 7/8" (836)	16.82 (1.56)
ADH4048	6.89 (0.64)	43 3/16" (1097)	23" (584)	12.86 (1.19)	7.15 (0.66)	28 7/8" (734)	18.13 (1.68)
ADH4050 ◊	7.49 (0.70)	43 3/16" (1097)	25" (634)	13.99 (1.30)	7.75 (0.72)	24 7/8" (632)	19.44 (1.81)
ADH4054 ◊	8.09 (0.75)	43 3/16" (1097)	27" (685)	15.11 (1.40)	8.35 (0.78)	20 7/8" (531)	20.75 (1.93)
ADH4058 ◊	8.69 (0.81)	43 3/16" (1097)	29" (736)	16.24 (1.51)	8.95 (0.83)	16 7/8" (429)	22.07 (2.05)
ADH4060 ◊	9.29 (0.86)	43 3/16" (1097)	31" (787)	17.37 (1.61)	9.55 (0.89)	12 7/8" (328)	23.38 (2.17)
ADH4064 ◊	9.89 (0.92)	43 3/16" (1097)	33" (838)	18.50 (1.72)	10.13 (0.94)	8 7/8" (226)	24.96 (2.29)
ADH4068 ◊	10.49 (0.97)	43 3/16" (1097)	35" (889)	19.62 (1.82)	10.73 (1.00)	* *	26.00 (2.42)
ADH4074 ◊	11.69 (1.09)	43 3/16" (1097)	39" (991)	21.88 (2.03)	11.93 (1.11)	* *	28.63 (2.66)
ADH4080 ◊	12.89 (1.20)	43 3/16" (1097)	43" (1092)	24.14 (2.24)	13.13 (1.22)	* *	31.25 (2.90)

For cottage and reverse cottage sash opening specifications, visit [andersenwindows.com/openingspecs](http://andersenwindows.com/openingspecs).

• "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).  
 • Dimensions in parentheses are in millimeters or square meters.  
 ◊ Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m<sup>2</sup>, clear opening width of 20" (508) and clear opening height of 24" (610).  
 \* Dimension varies depending on header height.

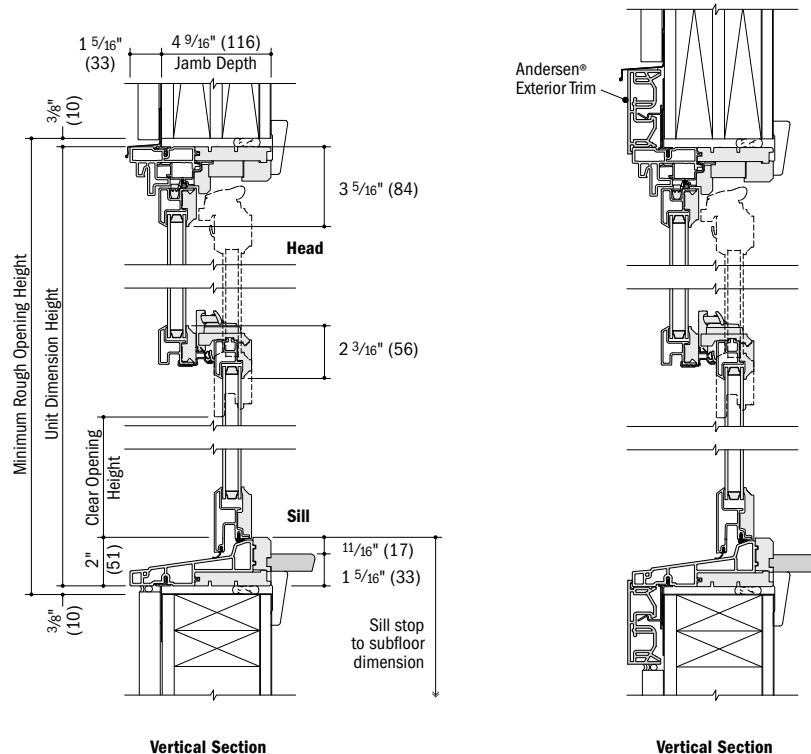
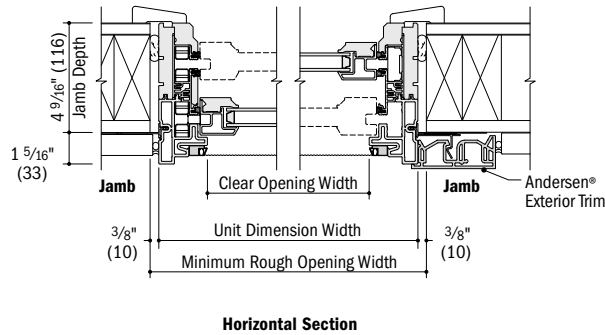


Grille Patterns



Double-hung window patterns are also available in Upper Sash Only (USO) configurations. For picture window patterns that require alignment with double-hung patterns, identify the double-hung sash style (equal, cottage, reverse cottage) when ordering. **Number of lights and overall pattern varies with window size. Patterns shown may not be available for all sizes.** Specified equal light and custom patterns are also available. Some restrictions apply. For more information on divided light, see pages 12-13 or visit [andersenwindows.com/grilles](http://andersenwindows.com/grilles).

Double-Hung Window Details  
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



See pages 64-66 for horizontal and vertical joining details.

- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at [andersenwindows.com](http://andersenwindows.com).

# PICTURE WINDOWS

**Table of Picture Window Sizes**

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on the next page also apply to this page.

Window Dimension	1'-3 1/4"	1'-7 1/4"	1'-11 1/4"	2'-3 1/4"	2'-5 1/4"	2'-7 1/4"	2'-9 1/4"	2'-11 1/4"	3'-1 1/4"	3'-3 1/4"	3'-7 1/4"	3'-11 1/4"
	(387)	(489)	(591)	(692)	(743)	(794)	(845)	(895)	(946)	(997)	(1099)	(1200)
<b>Minimum Rough Opening</b>	1'-4"	1'-8"	2'-0"	2'-4"	2'-6"	2'-8"	2'-10"	3'-0"	3'-2"	3'-4"	3'-8"	4'-0"
	(406)	(508)	(610)	(711)	(762)	(813)	(864)	(914)	(965)	(1016)	(1118)	(1219)
Unobstructed Glass	8 5/8"	12 5/8"	16 5/8"	20 5/8"	22 5/8"	24 5/8"	26 5/8"	28 5/8"	30 5/8"	32 5/8"	36 5/8"	40 5/8"
	(219)	(321)	(422)	(524)	(575)	(625)	(676)	(727)	(778)	(829)	(930)	(1032)

**CUSTOM WIDTHS – 15 1/4" to 95 1/4"**

Window Dimension	CUSTOM HEIGHTS – 21 1/4" to 95 1/4"											
	APW1420	APW1820	APW2020	APW2420	APW2620	APW2820	APW21020	APW3020	APW3220	APW3420	APW3820	APW4020
1'-11 1/4"	(591)	(610)	(604)	(604)	(604)	(604)	(604)	(604)	(604)	(604)	(604)	(604)
2'-3 1/4"	(692)	(711)	(704)	(704)	(704)	(704)	(704)	(704)	(704)	(704)	(704)	(704)
2'-7 1/4"	(794)	(813)	(804)	(804)	(804)	(804)	(804)	(804)	(804)	(804)	(804)	(804)
2'-11 1/4"	(895)	(914)	(904)	(904)	(904)	(904)	(904)	(904)	(904)	(904)	(904)	(904)
3'-3 1/4"	(997)	(1016)	(1004)	(1004)	(1004)	(1004)	(1004)	(1004)	(1004)	(1004)	(1004)	(1004)
3'-7 1/4"	(1099)	(1118)	(1104)	(1104)	(1104)	(1104)	(1104)	(1104)	(1104)	(1104)	(1104)	(1104)
3'-11 1/4"	(1200)	(1219)	(1204)	(1204)	(1204)	(1204)	(1204)	(1204)	(1204)	(1204)	(1204)	(1204)
4'-3 1/4"	(1302)	(1321)	(1304)	(1304)	(1304)	(1304)	(1304)	(1304)	(1304)	(1304)	(1304)	(1304)
4'-7 1/4"	(1403)	(1422)	(1404)	(1404)	(1404)	(1404)	(1404)	(1404)	(1404)	(1404)	(1404)	(1404)
4'-11 1/4"	(1505)	(1524)	(1504)	(1504)	(1504)	(1504)	(1504)	(1504)	(1504)	(1504)	(1504)	(1504)
5'-3 1/4"	(1607)	(1626)	(1604)	(1604)	(1604)	(1604)	(1604)	(1604)	(1604)	(1604)	(1604)	(1604)
5'-7 1/4"	(1708)	(1727)	(1704)	(1704)	(1704)	(1704)	(1704)	(1704)	(1704)	(1704)	(1704)	(1704)
5'-11 1/4"	(1810)	(1829)	(1804)	(1804)	(1804)	(1804)	(1804)	(1804)	(1804)	(1804)	(1804)	(1804)
	APW1460	APW1860	APW2060	APW2460	APW2660	APW2860	APW21060	APW3060	APW3260	APW3460	APW3860	APW4060

Picture sizes on pages 48-52.

4'-3 1/4" (1302)	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	5'-11 1/4" (1810)	6'-3 1/4" (1911)
4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)	6'-4" (1930)
44 5/8" (1133)	48 5/8" (1335)	52 5/8" (1337)	56 5/8" (1438)	60 5/8" (1540)	64 5/8" (1641)	68 5/8" (1743)

 APW4420	 APW4820	 APW5020	 APW5420	 APW5820	 APW6020	 APW6420
 APW4424	 APW4824	 APW5024	 APW5424	 APW5824	 APW6024	 APW6424
 APW4428	 APW4828	 APW5028	 APW5428	 APW5828	 APW6028	 APW6428
 APW4430	 APW4830	 APW5030	 APW5430	 APW5830	 APW6030	 APW6430
 APW4434	 APW4834	 APW5034	 APW5434	 APW5834	 APW6034	 APW6434
 APW4438	 APW4838	 APW5038	 APW5438	 APW5838	 APW6038	 APW6438
 APW4440	 APW4840	 APW5040	 APW5440	 APW5840	 APW6040	 APW6440
 APW4444	 APW4844	 APW5044	 APW5444	 APW5844	 APW6044	 APW6444
 APW4448	 APW4848	 APW5048	 APW5448	 APW5848	 APW6048	 APW6448
 APW4450	 APW4850	 APW5050	 APW5450	 APW5850	 APW6050	 APW6450
 APW4454	 APW4854	 APW5054	 APW5454	 APW5854	 APW6054	 APW6454
 APW4458	 APW4858	 APW5058	 APW5458	 APW5858	 APW6058	 APW6458
 APW4460	 APW4860	 APW5060	 APW5460	 APW5860	 APW6060	 APW6460



Custom-size windows are available in 1/8" (3) increments. See page 69 for custom sizes and specifications.

**Picture window must be installed as shown and should not be rotated.** Tall bottom rail is designed to align with bottom rail of double-hung and casement windows.

Details shown on page 55.  
Grille patterns shown on page 50.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.

continued on next page

# PICTURE WINDOWS

**Table of Picture Window Sizes** (continued)

Notes on the next page also apply to this page.

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-3 1/4" (387)	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-7 1/4" (794)	2'-9 1/4" (845)	2'-11 1/4" (895)	3'-1 1/4" (946)	3'-3 1/4" (997)	3'-7 1/4" (1099)	3'-11 1/4" (1200)
<b>Minimum Rough Opening</b>	1'-4" (406)	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-6" (762)	2'-8" (813)	2'-10" (864)	3'-0" (914)	3'-2" (965)	3'-4" (1016)	3'-8" (1118)	4'-0" (1219)
Unobstructed Glass	8 5/8" (219)	12 5/8" (321)	16 5/8" (422)	20 5/8" (524)	22 5/8" (575)	24 5/8" (625)	26 5/8" (676)	28 5/8" (727)	30 5/8" (778)	32 5/8" (829)	36 5/8" (930)	40 5/8" (1032)

**CUSTOM WIDTHS – 15 1/4" to 95 1/4"**

**CUSTOM HEIGHTS – 21 1/4" to 95 1/4"**

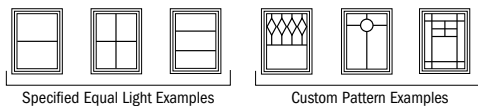
6'-3 1/4" (1911)	APW1464	APW1864	APW2064	APW2464	APW2664	APW2864	APW21064	APW3064	APW3264	APW3464	APW3864	APW4064
6'-7 1/4" (2013)	APW1468	APW1868	APW2068	APW2468	APW2668	APW2868	APW21068	APW3068	APW3268	APW3468	APW3868	APW4068
7'-3 1/4" (2216)	APW1474	APW1874	APW2074	APW2474	APW2674	APW2874	APW21074	APW3074	APW3274	APW3474	APW3874	APW4074
7'-11 1/4" (2419)	APW1480	APW1880	APW2080	APW2480	APW2680	APW2880	APW21080	APW3080	APW3280	APW3480	APW3880	APW4080

- "Window Dimension" always refers to outside frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.

## Grille Patterns

	Queen Anne	Diamond	Prairie A	Specified Equal Light with Simulated Check Rail	Colonial	Modified* Colonial	Modified* Colonial with Simulated Check Rail	Tall Fractional	Tall Fractional with Simulated Check Rail	Short Fractional	Short Fractional with Simulated Check Rail
<b>Picture</b>											

\*Location from top of window to bottom of divided light pattern is available at 8" (203), 10" (254), 12" (305), center and custom dimensions.

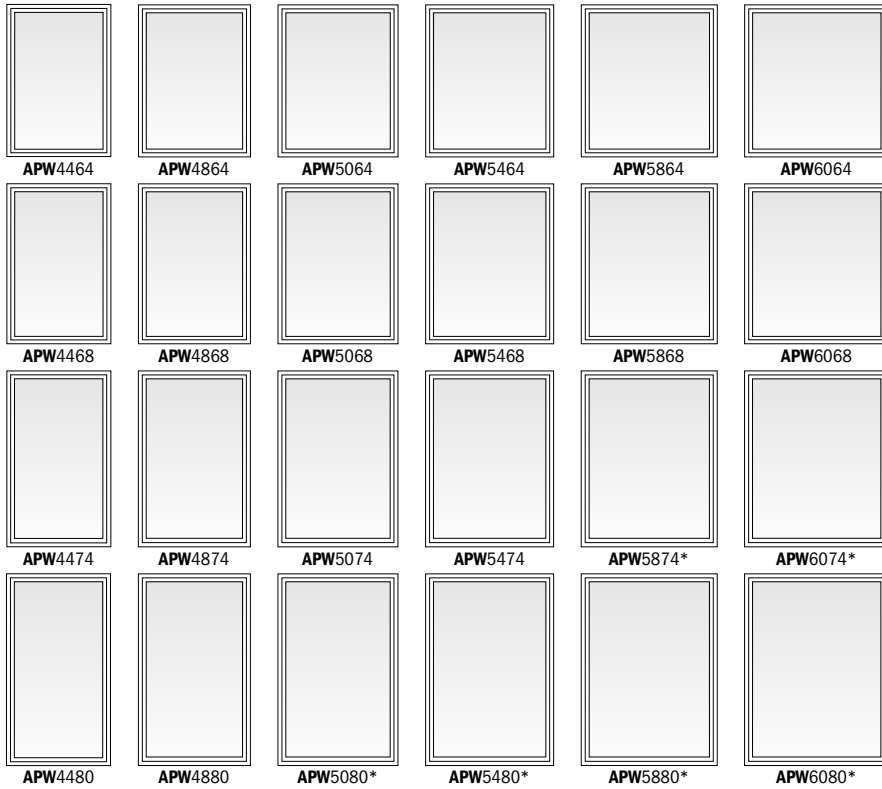


For picture window patterns that require alignment with double-hung patterns, identify the double-hung sash style (equal, cottage, reverse cottage) when ordering. **Number of lights and overall pattern varies with window size. Patterns shown may not be available for all sizes.**

Specified equal light and custom patterns are also available. For more information on divided light, see pages 12-13 or visit [andersenwindows.com/grilles](http://andersenwindows.com/grilles).

Picture sizes on pages 48-52.

4'-3 1/4" (1302)	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	5'-11 1/4" (1810)
4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
44 5/8" (1133)	48 5/8" (1335)	52 5/8" (1337)	56 5/8" (1438)	60 5/8" (1540)	64 5/8" (1641)



continued on next page



Custom-size windows are available in 1/8" (3) increments. See page 69 for custom sizes and specifications.

**Picture window must be installed as shown and should not be rotated.**

Tall bottom rail is designed to align with bottom rail of double-hung and casement windows.

Details shown on page 55.

Grille patterns shown on page 50.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- \*Tempered glass required. Some visual distortion may occur.

# PICTURE WINDOWS

**Table of Picture Window Sizes** (continued)

Picture sizes on pages 48-52.

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	6'-7 1/4" (2013)	6'-11 1/4" (2115)	7'-3 1/4" (2216)	7'-7 1/4" (2318)	7'-11 1/4" (2419)
<b>Minimum Rough Opening</b>	6'-8" (2032)	7'-0" (2133)	7'-4" (2235)	7'-8" (2336)	8'-0" (2438)
Unobstructed Glass	72 5/8" (1845)	76 5/8" (1946)	80 5/8" (2048)	84 5/8" (2149)	88 5/8" (2251)

Window Dimension	CUSTOM WIDTHS – 15 1/4" to 95 1/4"				
	15 1/4" (391)	21 1/4" (531)	27 1/4" (691)	33 1/4" (841)	39 1/4" (991)
1'-11 1/4" (591)	APW6820	APW7020	APW7420	APW7820	APW8020
2'-3 1/4" (692)	APW6824	APW7024	APW7424	APW7824	APW8024
2'-7 1/4" (794)	APW6828	APW7028	APW7428	APW7828	APW8028
2'-11 1/4" (895)	APW6830	APW7030	APW7430	APW7830	APW8030
3'-3 1/4" (997)	APW6834	APW7034	APW7434	APW7834	APW8034
3'-7 1/4" (1099)	APW6838	APW7038	APW7438	APW7838	APW8038
3'-11 1/4" (1200)	APW6840	APW7040	APW7440	APW7840	APW8040
4'-3 1/4" (1302)	APW6844	APW7044	APW7444	APW7844	APW8044
4'-7 1/4" (1403)	APW6848	APW7048	APW7448	APW7848	APW8048
4'-11 1/4" (1505)	APW6850	APW7050	APW7450	APW7850	APW8050*
5'-3 1/4" (1607)	APW6854	APW7054	APW7454	APW7854*	APW8054*
5'-7 1/4" (1708)	APW6858	APW7058	APW7458*	APW7858*	APW8058*
5'-11 1/4" (1810)	APW6860	APW7060*	APW7460*	APW7860*	APW8060*



Custom-size windows are available in 1/8" (3) increments. See page 69 for custom sizes and specifications.

**Picture window must be installed as shown and should not be rotated.** Tall bottom rail is designed to align with bottom rail of double-hung and casement windows.

Details shown on page 55. Grille patterns shown on page 50.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- \*Tempered glass required. Some visual distortion may occur.

Picture Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
APW1420	0.94 (0.09)	2.46 (0.23)
APW1424	1.18 (0.11)	2.89 (0.27)
APW1428	1.42 (0.13)	3.31 (0.31)
APW1430	1.66 (0.15)	3.73 (0.35)
APW1434	1.90 (0.18)	4.16 (0.39)
APW1438	2.14 (0.20)	4.58 (0.43)
APW1440	2.38 (0.22)	5.00 (0.46)
APW1444	2.62 (0.24)	5.43 (0.50)
APW1448	2.85 (0.26)	5.85 (0.54)
APW1450	3.09 (0.29)	6.27 (0.58)
APW1454	3.33 (0.31)	6.70 (0.62)
APW1458	3.57 (0.33)	7.12 (0.66)
APW1460	3.81 (0.35)	7.55 (0.70)
APW1464	4.05 (0.38)	7.97 (0.74)
APW1468	4.29 (0.40)	8.39 (0.78)
APW1474	4.77 (0.44)	9.24 (0.86)
APW1480	5.24 (0.49)	10.09 (0.94)
APW1820	1.38 (0.13)	3.11 (0.29)
APW1824	1.73 (0.16)	3.64 (0.34)
APW1828	2.08 (0.19)	4.18 (0.39)
APW1830	2.43 (0.23)	4.71 (0.44)
APW1834	2.78 (0.26)	5.25 (0.49)
APW1838	3.13 (0.29)	5.78 (0.54)
APW1840	3.48 (0.32)	6.32 (0.59)
APW1844	3.83 (0.36)	6.85 (0.64)
APW1848	4.18 (0.39)	7.39 (0.69)
APW1850	4.53 (0.42)	7.92 (0.74)
APW1854	4.88 (0.45)	8.46 (0.79)
APW1858	5.23 (0.49)	8.99 (0.84)
APW1860	5.58 (0.52)	9.52 (0.88)
APW1864	5.93 (0.55)	10.06 (0.93)
APW1868	6.28 (0.58)	10.59 (0.98)
APW1874	6.98 (0.65)	11.66 (1.08)
APW1880	7.68 (0.71)	12.73 (1.18)
APW2020	1.82 (0.17)	3.75 (0.35)
APW2024	2.28 (0.21)	4.40 (0.41)
APW2028	2.74 (0.25)	5.05 (0.47)
APW2030	3.20 (0.30)	5.69 (0.53)
APW2034	3.67 (0.34)	6.34 (0.59)
APW2038	4.13 (0.38)	6.98 (0.65)
APW2040	4.59 (0.43)	7.63 (0.71)
APW2044	5.05 (0.47)	8.27 (0.77)
APW2048	5.51 (0.51)	8.92 (0.83)
APW2050	5.97 (0.55)	9.57 (0.89)
APW2054	6.43 (0.60)	10.21 (0.95)
APW2058	6.89 (0.64)	10.86 (1.01)
APW2060	7.35 (0.68)	11.50 (1.07)
APW2064	7.82 (0.73)	12.15 (1.13)
APW2068	8.28 (0.77)	12.80 (1.19)
APW2074	9.20 (0.85)	14.09 (1.31)
APW2080	10.12 (0.94)	15.38 (1.43)
APW2420	2.26 (0.21)	4.40 (0.41)
APW2424	2.83 (0.26)	5.16 (0.48)
APW2428	3.40 (0.32)	5.91 (0.55)
APW2430	3.98 (0.37)	6.67 (0.62)
APW2434	4.55 (0.42)	7.43 (0.69)
APW2438	5.12 (0.48)	8.18 (0.76)
APW2440	5.69 (0.53)	8.94 (0.83)
APW2444	6.27 (0.58)	9.70 (0.90)
APW2448	6.84 (0.64)	10.46 (0.97)
APW2450	7.41 (0.69)	11.21 (1.04)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
APW2454	7.98 (0.74)	11.97 (1.11)
APW2458	8.55 (0.79)	12.73 (1.18)
APW2460	9.13 (0.85)	13.48 (1.25)
APW2464	9.70 (0.90)	14.24 (1.32)
APW2468	10.27 (0.95)	15.00 (1.39)
APW2474	11.42 (1.06)	16.51 (1.53)
APW2480	12.56 (1.17)	18.02 (1.67)
APW2620	2.48 (0.23)	4.72 (0.44)
APW2624	3.11 (0.29)	5.54 (0.51)
APW2628	3.74 (0.35)	6.35 (0.59)
APW2630	4.36 (0.41)	7.16 (0.67)
APW2634	4.99 (0.46)	7.97 (0.74)
APW2638	5.62 (0.52)	8.79 (0.82)
APW2640	6.25 (0.58)	9.60 (0.89)
APW2644	6.87 (0.64)	10.41 (0.97)
APW2648	7.50 (0.70)	11.22 (1.04)
APW2650	8.13 (0.76)	12.04 (1.12)
APW2654	8.76 (0.81)	12.85 (1.19)
APW2658	9.39 (0.87)	13.66 (1.27)
APW2660	10.01 (0.93)	14.47 (1.34)
APW2664	10.64 (0.99)	15.29 (1.42)
APW2668	11.27 (1.05)	16.10 (1.50)
APW2674	12.52 (1.16)	17.72 (1.65)
APW2680	13.78 (1.28)	19.35 (1.80)
APW2820	2.70 (0.25)	5.05 (0.47)
APW2824	3.38 (0.31)	5.91 (0.55)
APW2828	4.07 (0.38)	6.78 (0.63)
APW2830	4.75 (0.44)	7.65 (0.71)
APW2834	5.43 (0.50)	8.52 (0.79)
APW2838	6.12 (0.57)	9.39 (0.87)
APW2840	6.80 (0.63)	10.25 (0.95)
APW2844	7.48 (0.69)	11.12 (1.03)
APW2848	8.17 (0.76)	11.99 (1.11)
APW2850	8.85 (0.82)	12.86 (1.19)
APW2854	9.53 (0.89)	13.73 (1.28)
APW2858	10.22 (0.95)	14.59 (1.36)
APW2860	10.90 (1.01)	15.46 (1.44)
APW2864	11.58 (1.08)	16.33 (1.52)
APW2868	12.27 (1.14)	17.20 (1.60)
APW2874	13.63 (1.27)	18.93 (1.76)
APW2880	15.00 (1.39)	20.67 (1.92)
APW21020	2.92 (0.27)	5.37 (0.50)
APW21024	3.66 (0.34)	6.29 (0.58)
APW21024	3.66 (0.34)	6.29 (0.58)
APW21028	4.40 (0.41)	7.22 (0.67)
APW21030	5.14 (0.48)	8.14 (0.76)
APW21034	5.87 (0.55)	9.06 (0.84)
APW21038	6.61 (0.61)	9.99 (0.93)
APW21040	7.35 (0.68)	10.91 (1.01)
APW21044	8.09 (0.75)	11.83 (1.10)
APW21048	8.83 (0.82)	12.76 (1.19)
APW21050	9.57 (0.89)	13.68 (1.27)
APW21054	10.31 (0.96)	14.60 (1.36)
APW21058	11.05 (1.03)	15.53 (1.44)
APW21060	11.79 (1.10)	16.45 (1.53)
APW21064	12.52 (1.16)	17.38 (1.61)
APW21068	13.26 (1.23)	18.30 (1.70)
APW21074	14.74 (1.37)	20.15 (1.87)
APW21080	16.22 (1.51)	21.99 (2.04)
APW3020	3.14 (0.29)	5.69 (0.53)
APW3024	3.93 (0.37)	6.67 (0.62)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
APW3028	4.73 (0.44)	7.65 (0.71)
APW3030	5.52 (0.51)	8.63 (0.80)
APW3034	6.32 (0.59)	9.61 (0.89)
APW3038	7.11 (0.66)	10.59 (0.98)
APW3040	7.90 (0.73)	11.57 (1.07)
APW3044	8.70 (0.81)	12.55 (1.17)
APW3044	8.70 (0.81)	12.55 (1.17)
APW3048	9.49 (0.88)	13.52 (1.26)
APW3050	10.29 (0.96)	14.50 (1.35)
APW3054	11.08 (1.03)	15.48 (1.44)
APW3058	11.88 (1.10)	16.46 (1.53)
APW3060	12.67 (1.18)	17.44 (1.62)
APW3064	13.47 (1.25)	18.42 (1.71)
APW3068	14.26 (1.32)	19.40 (1.80)
APW3074	15.85 (1.47)	21.36 (1.98)
APW3080	17.44 (1.62)	23.32 (2.17)
APW3220	3.36 (0.31)	6.01 (0.56)
APW3224	4.21 (0.39)	7.05 (0.65)
APW3228	5.06 (0.47)	8.08 (0.75)
APW3230	5.91 (0.55)	9.12 (0.85)
APW3234	6.76 (0.63)	10.15 (0.94)
APW3238	7.61 (0.71)	11.19 (1.04)
APW3240	8.46 (0.79)	12.22 (1.14)
APW3244	9.31 (0.86)	13.26 (1.23)
APW3248	10.16 (0.94)	14.29 (1.33)
APW3250	11.01 (1.02)	15.33 (1.42)
APW3254	11.86 (1.10)	16.36 (1.52)
APW3258	12.71 (1.18)	17.40 (1.62)
APW3260	13.56 (1.26)	18.43 (1.71)
APW3264	14.41 (1.34)	19.47 (1.81)
APW3268	15.26 (1.42)	20.50 (1.90)
APW3274	16.96 (1.58)	22.57 (2.10)
APW3280	18.66 (1.73)	24.64 (2.29)
APW3420	3.58 (0.33)	6.34 (0.59)
APW3424	4.48 (0.42)	7.43 (0.69)
APW3428	5.39 (0.50)	8.52 (0.79)
APW3430	6.29 (0.58)	9.61 (0.89)
APW3434	7.20 (0.67)	10.70 (0.99)
APW3438	8.10 (0.75)	11.79 (1.10)
APW3440	9.01 (0.84)	12.88 (1.20)
APW3444	9.92 (0.92)	13.97 (1.30)
APW3448	10.82 (1.01)	15.06 (1.40)
APW3450	11.73 (1.09)	16.15 (1.50)
APW3454	12.63 (1.17)	17.24 (1.60)
APW3458	13.54 (1.26)	18.33 (1.70)
APW3460	14.44 (1.34)	19.42 (1.80)
APW3464	15.35 (1.43)	20.51 (1.91)
APW3468	16.25 (1.51)	21.60 (2.01)
APW3474	18.07 (1.68)	23.78 (2.21)
APW3480	19.88 (1.85)	25.96 (2.41)
APW3820	4.02 (0.37)	6.98 (0.65)
APW3824	5.03 (0.47)	8.18 (0.76)
APW3828	6.05 (0.56)	9.39 (0.87)
APW3830	7.07 (0.66)	10.59 (0.98)
APW3834	8.08 (0.75)	11.79 (1.10)
APW3838	9.10 (0.85)	12.99 (1.21)
APW3840	10.12 (0.94)	14.19 (1.32)
APW3844	11.13 (1.03)	15.39 (1.43)
APW3848	12.15 (1.13)	16.59 (1.54)
APW3850	13.17 (1.22)	17.80 (1.65)

• Dimensions in parentheses are in square meters.

continued on next page

A-Series  
Picture Windows

# PICTURE WINDOWS

## Picture Window Area Specifications *(continued)*

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
APW3854	14.18 (1.32)	19.00 (1.77)
APW3858	15.20 (1.41)	20.20 (1.88)
APW3860	16.22 (1.51)	21.40 (1.99)
APW3864	17.23 (1.60)	22.60 (2.10)
APW3868	18.25 (1.70)	23.80 (2.21)
APW3874	20.28 (1.88)	26.21 (2.43)
APW3880	22.32 (2.07)	28.61 (2.66)
APW4020	4.45 (0.41)	7.63 (0.71)
APW4024	5.58 (0.52)	8.94 (0.83)
APW4028	6.71 (0.62)	10.25 (0.95)
APW4030	7.84 (0.73)	11.57 (1.07)
APW4034	8.97 (0.83)	12.88 (1.20)
APW4038	10.09 (0.94)	14.19 (1.32)
APW4040	11.22 (1.04)	15.50 (1.44)
APW4044	12.35 (1.15)	16.82 (1.56)
APW4048	13.48 (1.25)	18.13 (1.68)
APW4050	14.60 (1.36)	19.44 (1.81)
APW4054	15.73 (1.46)	20.75 (1.93)
APW4058	16.86 (1.57)	22.07 (2.05)
APW4060	17.99 (1.67)	23.38 (2.17)
APW4064	19.12 (1.78)	24.69 (2.29)
APW4068	20.24 (1.88)	26.00 (2.42)
APW4074	22.50 (2.09)	28.63 (2.66)
APW4080	24.75 (2.30)	31.25 (2.90)
APW4420	4.89 (0.45)	8.27 (0.77)
APW4424	6.13 (0.57)	9.70 (0.90)
APW4428	7.37 (0.68)	11.12 (1.03)
APW4430	8.61 (0.80)	12.55 (1.17)
APW4434	9.85 (0.92)	13.97 (1.30)
APW4438	11.09 (1.03)	15.39 (1.43)
APW4440	12.33 (1.15)	16.82 (1.56)
APW4444	13.57 (1.26)	18.24 (1.69)
APW4448	14.80 (1.37)	19.66 (1.83)
APW4450	16.04 (1.49)	21.09 (1.96)
APW4454	17.28 (1.61)	22.51 (2.09)
APW4458	18.52 (1.72)	23.93 (2.22)
APW4460	19.76 (1.84)	25.36 (2.36)
APW4464	21.00 (1.95)	26.78 (2.49)
APW4468	22.24 (2.07)	28.21 (2.62)
APW4474	24.72 (2.30)	31.05 (2.88)
APW4480	27.19 (2.53)	33.90 (3.15)
APW4820	5.33 (0.50)	8.92 (0.83)
APW4824	6.68 (0.62)	10.46 (0.97)
APW4828	8.03 (0.75)	11.99 (1.11)
APW4830	9.38 (0.87)	13.52 (1.26)
APW4834	10.73 (1.00)	15.06 (1.40)
APW4838	12.08 (1.12)	16.59 (1.54)
APW4840	13.43 (1.25)	18.13 (1.68)
APW4844	14.78 (1.37)	19.66 (1.83)
APW4848	16.13 (1.50)	21.20 (1.97)
APW4850	17.48 (1.62)	22.73 (2.11)
APW4854	18.83 (1.75)	24.27 (2.25)
APW4858	20.18 (1.87)	25.80 (2.40)
APW4860	21.53 (2.00)	27.34 (2.54)
APW4864	22.88 (2.13)	28.87 (2.68)
APW4868	24.23 (2.25)	30.41 (2.83)
APW4874	26.93 (2.50)	33.48 (3.11)
APW4880	29.63 (2.75)	36.55 (3.40)
APW5020	5.77 (0.54)	9.57 (0.89)
APW5024	7.23 (0.67)	11.21 (1.04)
APW5028	8.69 (0.81)	12.86 (1.19)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
APW5030	10.15 (0.94)	14.50 (1.35)
APW5034	11.62 (1.08)	16.15 (1.50)
APW5038	13.08 (1.22)	17.80 (1.65)
APW5040	14.54 (1.35)	19.44 (1.81)
APW5044	16.00 (1.49)	21.09 (1.96)
APW5048	17.46 (1.62)	22.73 (2.11)
APW5050	18.92 (1.76)	24.38 (2.26)
APW5054	20.38 (1.89)	26.02 (2.42)
APW5058	21.84 (2.03)	27.67 (2.57)
APW5060	23.30 (2.16)	29.32 (2.72)
APW5064	24.77 (2.30)	30.96 (2.88)
APW5068	26.23 (2.44)	32.61 (3.03)
APW5074	29.15 (2.71)	35.90 (3.34)
APW5080	32.07 (2.98)	39.19 (3.64)
APW5420	6.21 (0.58)	10.21 (0.95)
APW5424	7.78 (0.72)	11.97 (1.11)
APW5428	9.35 (0.87)	13.73 (1.28)
APW5430	10.93 (1.02)	15.48 (1.44)
APW5434	12.50 (1.16)	17.24 (1.60)
APW5438	14.07 (1.31)	19.00 (1.77)
APW5440	15.64 (1.45)	20.75 (1.93)
APW5444	17.22 (1.60)	22.51 (2.09)
APW5448	18.79 (1.75)	24.27 (2.25)
APW5450	20.36 (1.89)	26.02 (2.42)
APW5454	21.93 (2.04)	27.78 (2.58)
APW5458	23.50 (2.18)	29.54 (2.74)
APW5460	25.08 (2.33)	31.30 (2.91)
APW5464	26.65 (2.48)	33.05 (3.07)
APW5468	28.22 (2.62)	34.81 (3.23)
APW5474	31.37 (2.91)	38.32 (3.56)
APW5480	34.51 (3.21)	41.84 (3.89)
APW5820	6.65 (0.62)	10.86 (1.01)
APW5824	8.33 (0.77)	12.73 (1.18)
APW5828	10.02 (0.93)	14.59 (1.36)
APW5830	11.70 (1.09)	16.46 (1.53)
APW5834	13.38 (1.24)	18.33 (1.70)
APW5838	15.07 (1.40)	20.20 (1.88)
APW5840	16.75 (1.56)	22.07 (2.05)
APW5844	18.43 (1.71)	23.93 (2.22)
APW5848	20.12 (1.87)	25.80 (2.40)
APW5850	21.80 (2.03)	27.67 (2.57)
APW5854	23.48 (2.18)	29.54 (2.74)
APW5858	25.17 (2.34)	31.41 (2.92)
APW5860	26.85 (2.49)	33.27 (3.09)
APW5864	28.53 (2.65)	35.14 (3.26)
APW5868	30.22 (2.81)	37.01 (3.44)
APW5874	33.58 (3.12)	40.75 (3.79)
APW5880	36.95 (3.43)	44.48 (4.13)
APW6020	7.09 (0.66)	11.50 (1.07)
APW6024	8.88 (0.82)	13.48 (1.25)
APW6028	10.68 (0.99)	15.46 (1.44)
APW6030	12.47 (1.16)	17.44 (1.62)
APW6034	14.27 (1.33)	19.42 (1.80)
APW6038	16.06 (1.49)	21.40 (1.99)
APW6040	17.85 (1.66)	23.38 (2.17)
APW6044	19.65 (1.83)	25.36 (2.36)
APW6048	21.44 (1.99)	27.34 (2.54)
APW6050	23.24 (2.16)	29.32 (2.72)
APW6054	25.03 (2.33)	31.30 (2.91)
APW6058	26.83 (2.49)	33.27 (3.09)
APW6060	28.62 (2.66)	35.25 (3.27)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
APW6064	30.42 (2.83)	37.23 (3.46)
APW6068	32.21 (2.99)	39.21 (3.64)
APW6074	35.80 (3.33)	43.17 (4.01)
APW6080	39.39 (3.66)	47.13 (4.38)
APW6420	7.53 (0.70)	12.15 (1.13)
APW6424	9.43 (0.88)	14.24 (1.32)
APW6428	11.34 (1.05)	16.33 (1.52)
APW6430	13.24 (1.23)	18.42 (1.71)
APW6434	15.15 (1.41)	20.51 (1.91)
APW6438	17.05 (1.58)	22.60 (2.10)
APW6440	18.96 (1.76)	24.69 (2.29)
APW6444	20.87 (1.94)	26.78 (2.49)
APW6448	22.77 (2.12)	28.87 (2.68)
APW6450	24.68 (2.29)	30.96 (2.88)
APW6454	26.58 (2.47)	33.05 (3.07)
APW6458	28.49 (2.65)	35.14 (3.26)
APW6460	30.39 (2.82)	37.23 (3.46)
APW6820	7.97 (0.74)	12.80 (1.19)
APW6824	9.98 (0.98)	15.00 (1.39)
APW6828	12.00 (1.11)	17.20 (1.60)
APW6830	14.02 (1.30)	19.40 (1.80)
APW6834	16.03 (1.49)	21.60 (2.01)
APW6838	18.05 (1.68)	23.80 (2.21)
APW6840	20.07 (1.86)	26.00 (2.42)
APW6844	22.08 (2.05)	28.20 (2.62)
APW6848	24.10 (2.24)	30.40 (2.82)
APW6850	26.12 (2.43)	32.61 (3.03)
APW6854	28.13 (2.61)	34.81 (3.23)
APW6858	30.15 (2.80)	37.01 (3.44)
APW6860	32.17 (2.99)	39.21 (3.64)
APW7020	8.40 (0.78)	13.44 (1.25)
APW7024	10.53 (0.98)	15.75 (1.46)
APW7028	12.66 (1.18)	18.07 (1.68)
APW7030	14.79 (1.37)	20.38 (1.89)
APW7034	16.92 (1.57)	22.69 (2.11)
APW7038	19.04 (1.77)	25.00 (2.32)
APW7040	21.17 (1.97)	27.32 (2.54)
APW7044	23.30 (2.16)	29.63 (2.75)
APW7048	25.43 (2.36)	31.94 (2.97)
APW7050	27.55 (2.56)	34.25 (3.18)
APW7054	29.68 (2.76)	36.57 (3.40)
APW7058	31.81 (2.96)	38.88 (3.61)
APW7060	33.94 (3.15)	41.19 (3.83)
APW7420	8.84 (0.82)	14.09 (1.31)
APW7424	11.08 (1.03)	16.51 (1.53)
APW7428	13.32 (1.24)	18.93 (1.76)
APW7430	15.56 (1.45)	21.36 (1.98)
APW7434	17.80 (1.65)	23.78 (2.21)
APW7438	20.04 (1.86)	26.21 (2.43)
APW7440	22.28 (2.07)	28.63 (2.66)
APW7444	24.52 (2.28)	31.05 (2.88)
APW7448	26.75 (2.49)	33.48 (3.11)
APW7450	29.00 (2.69)	35.90 (3.34)
APW7454	31.23 (2.90)	38.32 (3.56)
APW7458	33.47 (3.11)	40.75 (3.79)
APW7460	35.71 (3.32)	43.17 (4.01)
APW7820	9.28 (0.86)	14.73 (1.37)
APW7824	11.63 (1.08)	17.26 (1.60)
APW7828	13.98 (1.30)	19.80 (1.84)

• Dimensions in parentheses are in square meters.

*continued on next page*



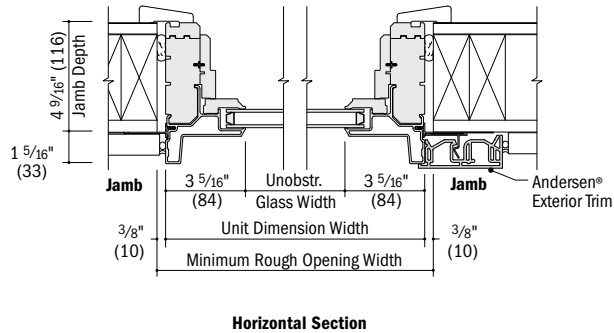
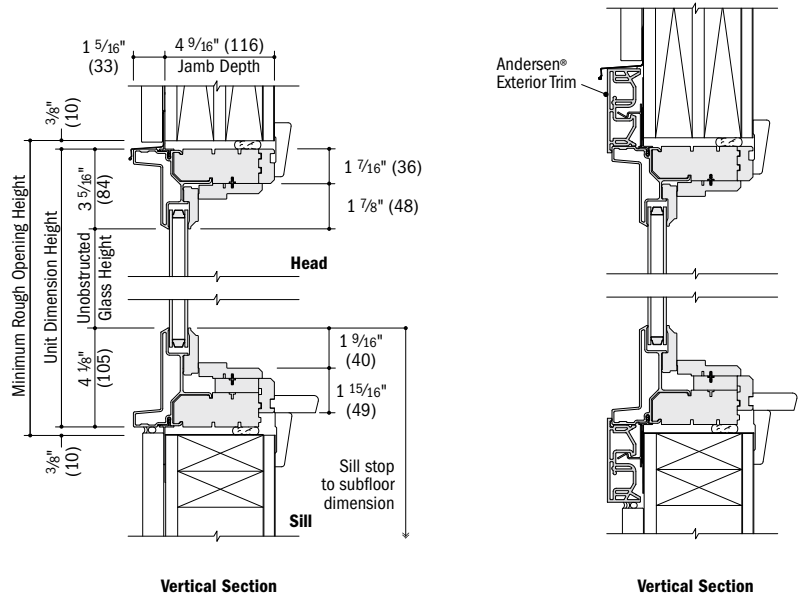
Picture Window Area Specifications (continued)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
APW7830	16.33 (1.52)	22.34 (2.08)
APW7834	18.68 (1.74)	24.87 (2.31)
APW7838	21.03 (1.95)	27.41 (2.55)
APW7840	23.38 (2.17)	29.94 (2.78)
APW7844	25.73 (2.39)	32.48 (3.02)
APW7848	28.08 (2.61)	35.01 (3.25)
APW7850	30.43 (2.83)	37.55 (3.49)
APW7854	32.78 (3.05)	40.08 (3.72)
APW7858	35.13 (3.26)	42.62 (3.96)
APW7860	37.48 (3.48)	45.15 (4.19)
APW8020	9.72 (0.90)	15.38 (1.43)
APW8024	12.18 (1.13)	18.02 (1.67)
APW8028	14.64 (1.36)	20.67 (1.92)
APW8030	17.10 (1.59)	23.32 (2.17)
APW8034	19.57 (1.82)	25.96 (2.41)
APW8038	22.03 (2.05)	28.61 (2.66)
APW8040	24.49 (2.28)	31.25 (2.90)
APW8044	26.95 (2.50)	33.90 (3.15)
APW8048	29.41 (2.73)	36.55 (3.40)
APW8050	31.87 (2.96)	39.19 (3.64)
APW8054	34.33 (3.19)	41.84 (3.89)
APW8058	36.79 (3.42)	44.48 (4.13)
APW8060	39.25 (3.65)	47.13 (4.38)

• Dimensions in parentheses are in square meters.

Picture Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



See pages 64-66 for horizontal and vertical joining details.

- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

# TRANSOM WINDOWS

**Table of Transom Window Sizes**

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on the next page also apply to this page.

Unit Dimension	1'-3 1/4"	1'-7 1/4"	1'-11 1/4"	2'-3 1/4"	2'-5 1/4"	2'-7 1/4"	2'-9 1/4"	2'-11 1/4"	3'-1 1/4"	3'-3 1/4"	3'-7 1/4"	3'-11 1/4"
	(387)	(489)	(591)	(692)	(743)	(794)	(845)	(895)	(946)	(997)	(1099)	(1200)
<b>Minimum Rough Opening</b>	1'-4"	1'-8"	2'-0"	2'-4"	2'-6"	2'-8"	2'-10"	3'-0"	3'-2"	3'-4"	3'-8"	4'-0"
	(406)	(508)	(610)	(711)	(762)	(813)	(864)	(914)	(965)	(1016)	(1118)	(1219)
<b>Unobstructed Glass</b>	8 5/8"	12 5/8"	16 5/8"	20 5/8"	22 5/8"	24 5/8"	26 5/8"	28 5/8"	30 5/8"	32 5/8"	36 5/8"	40 5/8"
	(219)	(321)	(422)	(524)	(575)	(625)	(676)	(727)	(778)	(829)	(930)	(1032)

**CUSTOM WIDTHS – fixed 15 1/4" to 95 1/4"**

Unit Dimension	11 1/4"	15 1/4"	19 1/4"	23 1/4"	27 1/4"	31 1/4"	35 1/4"	39 1/4"	43 1/4"	47 1/4"	51 1/4"	55 1/4"	59 1/4"	63 1/4"	67 1/4"	71 1/4"	75 1/4"	79 1/4"	83 1/4"	87 1/4"	91 1/4"	95 1/4"	
	(286)	(337)	(387)	(438)	(489)	(540)	(591)	(641)	(692)	(743)	(794)	(845)	(895)	(946)	(997)	(1048)	(1099)	(1150)	(1200)	(1251)	(1302)	(1353)	(1404)
	(219)	(270)	(321)	(372)	(423)	(474)	(524)	(575)	(625)	(676)	(727)	(778)	(829)	(880)	(930)	(981)	(1032)	(1083)	(1134)	(1185)	(1236)	(1287)	(1338)

**CUSTOM HEIGHTS – fixed 11 1/4" to 95 1/4"**

11 1/4"	(286)	1'-0"	(305)	1'-4"	(406)	1'-8"	(508)	2'-0"	(610)	2'-4"	(711)	2'-8"	(813)	2'-10"	(914)	3'-0"	(965)	3'-2"	(997)	3'-4"	(1016)	3'-8"	(1118)	4'-0"	(1219)		
1'-3 1/4"	(387)	1'-4"	(406)	1'-6"	(457)	1'-8"	(508)	2'-0"	(610)	2'-4"	(711)	2'-6"	(762)	2'-8"	(813)	2'-10"	(864)	3'-0"	(914)	3'-2"	(965)	3'-4"	(1016)	3'-8"	(1118)	4'-0"	(1219)
1'-5 1/4"	(438)	1'-6"	(457)	1'-8"	(508)	2'-0"	(610)	2'-4"	(711)	2'-6"	(762)	2'-8"	(813)	2'-10"	(864)	3'-0"	(914)	3'-2"	(965)	3'-4"	(1016)	3'-8"	(1118)	4'-0"	(1219)	4'-4"	(1321)
1'-7 1/4"	(489)	1'-8"	(508)	2'-0"	(610)	2'-4"	(711)	2'-6"	(762)	2'-8"	(813)	2'-10"	(864)	3'-0"	(914)	3'-2"	(965)	3'-4"	(1016)	3'-8"	(1118)	4'-0"	(1219)	4'-4"	(1321)	4'-8"	(1423)
1'-9 1/4"	(540)	1'-10"	(559)	2'-2"	(660)	2'-6"	(762)	2'-8"	(813)	2'-10"	(864)	3'-0"	(914)	3'-2"	(965)	3'-4"	(1016)	3'-8"	(1118)	4'-0"	(1219)	4'-4"	(1321)	4'-8"	(1423)	5'-0"	(1525)
1'-11 1/4"	(591)	2'-0"	(610)	2'-2"	(660)	2'-6"	(762)	2'-8"	(813)	2'-10"	(864)	3'-0"	(914)	3'-2"	(965)	3'-4"	(1016)	3'-8"	(1118)	4'-0"	(1219)	4'-4"	(1321)	4'-8"	(1423)	5'-0"	(1525)
2'-1 1/4"	(641)	2'-2"	(660)	2'-4"	(711)	2'-6"	(762)	2'-8"	(813)	2'-10"	(864)	3'-0"	(914)	3'-2"	(965)	3'-4"	(1016)	3'-8"	(1118)	4'-0"	(1219)	4'-4"	(1321)	4'-8"	(1423)	5'-0"	(1525)
2'-3 1/4"	(692)	2'-4"	(711)	2'-6"	(762)	2'-8"	(813)	2'-10"	(864)	3'-0"	(914)	3'-2"	(965)	3'-4"	(1016)	3'-8"	(1118)	4'-0"	(1219)	4'-4"	(1321)	4'-8"	(1423)	5'-0"	(1525)	5'-4"	(1627)
2'-5 1/4"	(743)	2'-6"	(762)	2'-8"	(813)	2'-10"	(864)	3'-0"	(914)	3'-2"	(965)	3'-4"	(1016)	3'-8"	(1118)	4'-0"	(1219)	4'-4"	(1321)	4'-8"	(1423)	5'-0"	(1525)	5'-4"	(1627)	5'-8"	(1729)
2'-7 1/4"	(794)	2'-8"	(813)	2'-10"	(864)	3'-0"	(914)	3'-2"	(965)	3'-4"	(1016)	3'-8"	(1118)	4'-0"	(1219)	4'-4"	(1321)	4'-8"	(1423)	5'-0"	(1525)	5'-4"	(1627)	5'-8"	(1729)	6'-0"	(1831)

**CUSTOM SIZES AVAILABLE – venting**

Unit Dimension	1'-3 1/4"	1'-7 1/4"	1'-11 1/4"	2'-3 1/4"	2'-5 1/4"	2'-7 1/4"	2'-9 1/4"	2'-11 1/4"	3'-1 1/4"	3'-3 1/4"	3'-7 1/4"	3'-11 1/4"
11 1/4"	ATF1410	ATF1810	ATF2010	ATF2410	ATF2610	ATF2810	ATF21010	ATF3010	ATF3210	ATF3410	ATF3810	ATF4010
1'-3 1/4"	ATF1414	ATF1814	ATF2014	ATF2414	ATF2614	ATF2814	ATF21014	ATF3014	ATF3214	ATF3414	ATF3814	ATF4014
1'-5 1/4"	ATF1416	ATF1816	ATF2016	ATF2416	ATF2616	ATF2816	ATF21016	ATF3016	ATF3216	ATF3416	ATF3816	ATF4016
1'-7 1/4"	ATF1418	ATF1818	ATF2018	ATF2418	ATF2618	ATF2818	ATF21018	ATF3018	ATF3218	ATF3418	ATF3818	ATF4018
1'-9 1/4"	ATF14110	ATF18110	ATF20110	ATF24110	ATF26110	ATF28110	ATF210110	ATF30110	ATF32110	ATF34110	ATF38110	ATF40110
1'-11 1/4"	ATF1420	ATF1820	ATF2020	ATF2420	ATF2620	ATF2820	ATF21020	ATF3020	ATF3220	ATF3420	ATF3820	ATF4020
2'-1 1/4"	ATF1422	ATF1822	ATF2022	ATF2422	ATF2622	ATF2822	ATF21022	ATF3022	ATF3222	ATF3422	ATF3822	ATF4022
2'-3 1/4"	ATF1424	ATF1824	ATF2024	ATF2424	ATF2624	ATF2824	ATF21024	ATF3024	ATF3224	ATF3424	ATF3824	ATF4024
2'-5 1/4"	ATF1426	ATF1826	ATF2026	ATF2426	ATF2626	ATF2826	ATF21026	ATF3026	ATF3226	ATF3426	ATF3826	ATF4026
2'-7 1/4"	ATF1428	ATF1828	ATF2028	ATF2428	ATF2628	ATF2828	ATF21028	ATF3028	ATF3228	ATF3428	ATF3828	ATF4028

Transom sizes on pages 56-60.

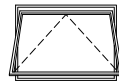
4'-3 1/4" (1302)	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	5'-11 1/4" (1810)
4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
44 5/8" (1133)	48 5/8" (1335)	52 5/8" (1337)	56 5/8" (1438)	60 5/8" (1540)	64 5/8" (1641)

 ATF4410	 ATF4810	 ATF5010	 ATF5410	 ATF5810	 ATF6010
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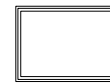
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 ATV4414	 ATV4814	 ATV5014	 ATV5414	 ATV5814	 ATV6014
 ATF4416	 ATF4816	 ATF5016	 ATF5416	 ATF5816	 ATF6016
 ATV4416	 ATV4816	 ATV5016	 ATV5416	 ATV5816	 ATV6016
 ATF4418	 ATF4818	 ATF5018	 ATF5418	 ATF5818	 ATF6018
 ATV4418	 ATV4818	 ATV5018	 ATV5418	 ATV5818	 ATV6018
 ATF44110	 ATF48110	 ATF50110	 ATF54110	 ATF58110	 ATF60110
 ATV44110	 ATV48110	 ATV50110	 ATV54110	 ATV58110	 ATV60110
 ATF4420	 ATF4820	 ATF5020	 ATF5420	 ATF5820	 ATF6020
 ATV4420	 ATV4820	 ATV5020	 ATV5420	 ATV5820	 ATV6020
 ATF4422	 ATF4822	 ATF5022	 ATF5422	 ATF5822	 ATF6022
 ATV4422	 ATV4822	 ATV5022	 ATV5422	 ATV5822	 ATV6022
 ATF4424	 ATF4824	 ATF5024	 ATF5424	 ATF5824	 ATF6024
 ATV4424	 ATV4824	 ATV5024	 ATV5424	 ATV5824	 ATV6024
 ATF4426	 ATF4826	 ATF5026	 ATF5426	 ATF5826	 ATF6026
 ATV4426	 ATV4826	 ATV5026	 ATV5426	 ATV5826	 ATV6026
 ATF4428	 ATF4828	 ATF5028	 ATF5428	 ATF5828	 ATF6028
 ATV4428	 ATV4828	 ATV5028	 ATV5428	 ATV5828	 ATV6028



Custom-size windows are available in 1/8" (3) increments. See page 69 for custom sizes and specifications.



Venting Transom



Fixed Transom

Choose venting (ATV) or fixed (ATF).

**Venting window must be installed to vent as shown and should not be rotated and used as a hopper.**

Details shown on page 63. Grille patterns shown on page 62.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.

continued on next page

# TRANSOM WINDOWS

**Table of Transom Window Sizes** (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on the next page also apply to this page.

Window Dimension	1'-3 1/4" (387)	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-7 1/4" (794)	2'-9 1/4" (845)	2'-11 1/4" (895)	3'-1 1/4" (946)	3'-3 1/4" (997)	3'-7 1/4" (1099)	3'-11 1/4" (1200)
Minimum Rough Opening	1'-4" (406)	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-6" (762)	2'-8" (813)	2'-10" (864)	3'-0" (914)	3'-2" (965)	3'-4" (1016)	3'-8" (1118)	4'-0" (1219)
Unobstructed Glass	8 5/8" (219)	12 5/8" (321)	16 5/8" (422)	20 5/8" (524)	22 5/8" (575)	24 5/8" (625)	26 5/8" (676)	28 5/8" (727)	30 5/8" (778)	32 5/8" (829)	36 5/8" (930)	40 5/8" (1032)

**CUSTOM SIZES AVAILABLE**

2'-11 1/4" (895)	3'-0" (914)	28 5/8" (727)	<b>CUSTOM AVAILABLE</b>	ATF1430	ATF1830	ATF2030	ATF2430	ATF2630	ATF2830	ATF21030	ATF3030	ATF3230	ATF3430	ATF3830	ATF4030
3'-3 1/4" (997)	3'-4" (1016)	32 5/8" (829)	<b>CUSTOM AVAILABLE</b>	ATF1434	ATF1834	ATF2034	ATF2434	ATF2634	ATF2834	ATF21034	ATF3034	ATF3234	ATF3434	ATF3834	ATF4034

## Venting Transom Window Opening and Area Specifications

Window Number	Clear Opening in Full Open Position			Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Sq. Ft./ (m <sup>2</sup> )	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
	Clear Opening Sq. Ft./ (m <sup>2</sup> )	Width Inches/(mm)	Depth Inches/(mm)				
ATV1814	0.59 (0.05)	14 5/16" (363)	5 7/8" (150)	0.75 (0.07)	0.59 (0.05)	69 1/2" (1764)	2.04 (0.19)
ATV2014	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	0.99 (0.09)	0.75 (0.07)	69 1/2" (1764)	2.46 (0.23)
ATV2414	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	1.23 (0.11)	0.91 (0.08)	69 1/2" (1764)	2.89 (0.27)
ATV2614	0.99 (0.09)	24 5/16" (617)	5 7/8" (150)	1.35 (0.13)	0.99 (0.09)	69 1/2" (1764)	3.10 (0.29)
ATV2814	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	1.47 (0.14)	1.08 (0.10)	69 1/2" (1764)	3.31 (0.31)
ATV21014	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	1.59 (0.15)	1.16 (0.11)	69 1/2" (1764)	3.52 (0.33)
ATV3014	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	1.71 (0.16)	1.24 (0.12)	69 1/2" (1764)	3.73 (0.35)
ATV3214	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	1.83 (0.17)	1.32 (0.12)	69 1/2" (1764)	3.95 (0.37)
ATV3414	1.40 (0.13)	34 5/16" (871)	5 7/8" (150)	1.95 (0.18)	1.40 (0.13)	69 1/2" (1764)	4.16 (0.39)
ATV3814	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	2.19 (0.20)	1.57 (0.15)	69 1/2" (1764)	4.58 (0.43)
ATV4014	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	2.43 (0.23)	1.73 (0.16)	69 1/2" (1764)	5.00 (0.46)
ATV4414	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	2.66 (0.25)	1.90 (0.18)	69 1/2" (1764)	5.43 (0.50)
ATV4814	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	2.90 (0.27)	2.06 (0.19)	69 1/2" (1764)	5.85 (0.54)
ATV5014	2.22 (0.21)	54 5/16" (1379)	5 7/8" (150)	3.14 (0.29)	2.22 (0.21)	69 1/2" (1764)	6.28 (0.58)
ATV5414	2.39 (0.22)	58 5/16" (1481)	5 7/8" (150)	3.38 (0.31)	2.39 (0.22)	69 1/2" (1764)	6.70 (0.62)
ATV5814	2.55 (0.24)	62 5/16" (1538)	5 7/8" (150)	3.62 (0.34)	2.55 (0.24)	69 1/2" (1764)	7.12 (0.66)
ATV6014	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	3.86 (0.36)	2.71 (0.25)	69 1/2" (1764)	7.55 (0.70)
ATV1816	0.59 (0.05)	14 5/16" (363)	5 7/8" (150)	0.93 (0.09)	0.59 (0.05)	67 1/2" (1714)	2.31 (0.21)
ATV2016	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	1.22 (0.11)	0.75 (0.07)	67 1/2" (1714)	2.79 (0.26)
ATV2416	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	1.52 (0.14)	0.91 (0.08)	67 1/2" (1714)	3.26 (0.30)
ATV2616	0.99 (0.09)	24 5/16" (617)	5 7/8" (150)	1.66 (0.15)	0.99 (0.09)	67 1/2" (1714)	3.50 (0.33)
ATV2816	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	1.81 (0.17)	1.08 (0.10)	67 1/2" (1714)	3.74 (0.35)
ATV21016	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	1.96 (0.18)	1.16 (0.11)	67 1/2" (1714)	3.98 (0.37)
ATV3016	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	2.11 (0.20)	1.24 (0.12)	67 1/2" (1714)	4.22 (0.39)
ATV3216	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	2.25 (0.21)	1.32 (0.12)	67 1/2" (1714)	4.46 (0.41)
ATV3416	1.40 (0.13)	34 5/16" (871)	5 7/8" (150)	2.40 (0.22)	1.40 (0.13)	67 1/2" (1714)	4.70 (0.44)
ATV3816	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	2.69 (0.25)	1.57 (0.15)	67 1/2" (1714)	5.18 (0.48)
ATV4016	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	2.99 (0.28)	1.73 (0.16)	67 1/2" (1714)	5.66 (0.53)
ATV4416	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	3.28 (0.30)	1.90 (0.18)	67 1/2" (1714)	6.14 (0.57)
ATV4816	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	3.58 (0.33)	2.06 (0.19)	67 1/2" (1714)	6.62 (0.61)
ATV5016	2.22 (0.21)	54 5/16" (1379)	5 7/8" (150)	3.87 (0.36)	2.22 (0.21)	67 1/2" (1714)	7.10 (0.66)
ATV5416	2.39 (0.22)	58 5/16" (1481)	5 7/8" (150)	4.17 (0.39)	2.39 (0.22)	67 1/2" (1714)	7.58 (0.70)
ATV5816	2.55 (0.24)	62 5/16" (1538)	5 7/8" (150)	4.46 (0.41)	2.55 (0.24)	67 1/2" (1714)	8.06 (0.75)
ATV6016	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	4.76 (0.44)	2.71 (0.25)	67 1/2" (1714)	8.54 (0.79)
ATV1818	0.59 (0.05)	14 5/16" (363)	5 7/8" (150)	1.10 (0.10)	0.59 (0.05)	65 1/2" (1663)	2.57 (0.24)
ATV2018	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	1.45 (0.13)	0.75 (0.07)	65 1/2" (1663)	3.11 (0.29)
ATV2418	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	1.80 (0.17)	0.91 (0.08)	65 1/2" (1663)	3.64 (0.34)
ATV2618	0.99 (0.09)	24 5/16" (617)	5 7/8" (150)	1.98 (0.18)	0.99 (0.09)	65 1/2" (1663)	3.91 (0.36)
ATV2818	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	2.15 (0.20)	1.08 (0.10)	65 1/2" (1663)	4.18 (0.39)
ATV21018	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	2.33 (0.22)	1.16 (0.11)	65 1/2" (1663)	4.45 (0.41)
ATV3018	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	2.50 (0.23)	1.24 (0.12)	65 1/2" (1663)	4.71 (0.44)
ATV3218	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	2.68 (0.25)	1.32 (0.12)	65 1/2" (1663)	4.98 (0.46)

## Fixed Transom Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
ATF1410	0.27 (0.03)	1.19 (0.11)
ATF1414	0.51 (0.05)	1.62 (0.15)
ATF1416	0.63 (0.06)	1.83 (0.17)
ATF1418	0.75 (0.07)	2.04 (0.19)
ATF14110	0.87 (0.08)	2.25 (0.21)
ATF1420	0.99 (0.09)	2.46 (0.23)
ATF1422	1.11 (0.10)	2.67 (0.25)
ATF1424	1.23 (0.11)	2.89 (0.27)
ATF1426	1.35 (0.13)	3.10 (0.29)
ATF1428	1.47 (0.14)	3.31 (0.31)
ATF1430	1.71 (0.16)	3.73 (0.35)
ATF1434	1.95 (0.18)	4.16 (0.39)
ATF1810	0.40 (0.04)	1.50 (0.14)
ATF1814	0.75 (0.07)	2.04 (0.19)
ATF1816	0.93 (0.09)	2.31 (0.21)
ATF1818	1.10 (0.10)	2.57 (0.24)
ATF18110	1.28 (0.12)	2.84 (0.26)
ATF1820	1.45 (0.13)	3.11 (0.29)
ATF1822	1.63 (0.15)	3.38 (0.31)
ATF1824	1.80 (0.17)	3.64 (0.34)
ATF1826	1.98 (0.18)	3.91 (0.36)
ATF1828	2.15 (0.20)	4.18 (0.39)
ATF1830	2.50 (0.23)	4.71 (0.44)
ATF1834	2.85 (0.26)	5.25 (0.49)
ATF2010	0.53 (0.05)	1.82 (0.17)
ATF2014	0.99 (0.09)	2.46 (0.23)
ATF2016	1.22 (0.11)	2.79 (0.26)
ATF2018	1.45 (0.13)	3.11 (0.29)
ATF20110	1.68 (0.16)	3.43 (0.32)
ATF2020	1.91 (0.18)	3.75 (0.35)
ATF2022	2.14 (0.20)	4.08 (0.38)
ATF2024	2.37 (0.22)	4.40 (0.41)
ATF2026	2.61 (0.24)	4.72 (0.44)
ATF2028	2.84 (0.26)	5.05 (0.47)
ATF2030	3.30 (0.31)	5.69 (0.53)
ATF2034	3.76 (0.35)	6.34 (0.59)
ATF2410	0.66 (0.06)	2.13 (0.20)
ATF2414	1.23 (0.11)	2.89 (0.27)
ATF2416	1.52 (0.14)	3.26 (0.30)
ATF2418	1.80 (0.17)	3.64 (0.34)

• Dimensions in parentheses are in square meters.

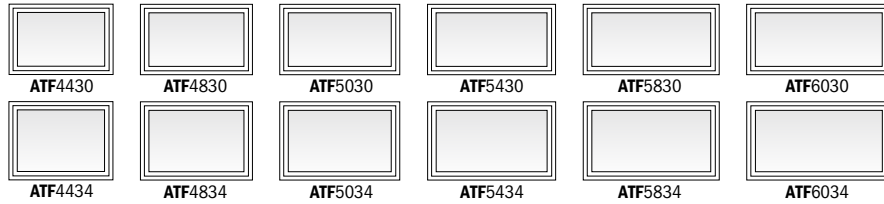
• "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).  
 • Dimensions in parentheses are in millimeters or square meters.

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Transom sizes on pages 56-60.

4'-3 1/4" (1302)	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	5'-11 1/4" (1810)
4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
44 5/8" (1133)	48 5/8" (1335)	52 5/8" (1337)	56 5/8" (1438)	60 5/8" (1540)	64 5/8" (1641)



- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.



Custom-size windows are available in 1/8" (3) increments. See page 69 for custom sizes and specifications.

Choose venting (ATV) or fixed (ATF). See pages 56-57 for venting sizes. Details and grille patterns shown on pages 62-63.

Venting Transom Window Opening and Area Specifications (continued)

Window Number	Clear Opening Sq. Ft./(m <sup>2</sup> )	Clear Opening in Full Open Position		Glass Area Sq. Ft./(m <sup>2</sup> )	Vent Sq. Ft./(m <sup>2</sup> )	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./(m <sup>2</sup> )
		Width Inches/(mm)	Depth Inches/(mm)				
ATV3418	1.40 (0.13)	34 5/16" (871)	5 7/8" (150)	2.85 (0.27)	1.40 (0.13)	65 1/2" (1663)	5.25 (0.49)
ATV3818	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	3.20 (0.30)	1.57 (0.15)	65 1/2" (1663)	5.78 (0.54)
ATV4018	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	3.55 (0.33)	1.73 (0.16)	65 1/2" (1663)	6.32 (0.59)
ATV4418	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	3.90 (0.36)	1.90 (0.18)	65 1/2" (1663)	6.85 (0.64)
ATV4818	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	4.25 (0.40)	2.06 (0.19)	65 1/2" (1663)	7.39 (0.69)
ATV5018	2.22 (0.21)	54 5/16" (1379)	5 7/8" (150)	4.60 (0.43)	2.22 (0.21)	65 1/2" (1663)	7.92 (0.74)
ATV5418	2.39 (0.22)	58 5/16" (1481)	5 7/8" (150)	4.95 (0.46)	2.39 (0.22)	65 1/2" (1663)	8.46 (0.79)
ATV5818	2.55 (0.24)	62 5/16" (1583)	5 7/8" (150)	5.30 (0.49)	2.55 (0.24)	65 1/2" (1663)	8.99 (0.84)
ATV6018	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	5.65 (0.53)	2.71 (0.25)	65 1/2" (1663)	9.53 (0.88)
ATV18110	0.59 (0.05)	14 5/16" (363)	5 7/8" (150)	1.28 (0.12)	0.59 (0.05)	63 1/2" (1612)	2.84 (0.26)
ATV20110	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	1.68 (0.16)	0.75 (0.07)	63 1/2" (1612)	3.43 (0.32)
ATV24110	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	2.09 (0.19)	0.91 (0.08)	63 1/2" (1612)	4.02 (0.37)
ATV26110	0.99 (0.09)	24 5/16" (617)	5 7/8" (150)	2.29 (0.21)	0.99 (0.09)	63 1/2" (1612)	4.32 (0.40)
ATV28110	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	2.49 (0.23)	1.08 (0.10)	63 1/2" (1612)	4.61 (0.43)
ATV210110	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	2.70 (0.25)	1.16 (0.11)	63 1/2" (1612)	4.91 (0.46)
ATV30110	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	2.90 (0.27)	1.24 (0.12)	63 1/2" (1612)	5.20 (0.48)
ATV32110	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	3.10 (0.29)	1.32 (0.12)	63 1/2" (1612)	5.50 (0.51)
ATV34110	1.40 (0.13)	34 5/16" (871)	5 7/8" (150)	3.31 (0.31)	1.40 (0.13)	63 1/2" (1612)	5.79 (0.54)
ATV38110	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	3.71 (0.34)	1.57 (0.15)	63 1/2" (1612)	6.38 (0.59)
ATV40110	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	4.12 (0.38)	1.73 (0.16)	63 1/2" (1612)	6.97 (0.65)
ATV44110	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	4.55 (0.42)	1.90 (0.18)	63 1/2" (1612)	7.56 (0.70)
ATV48110	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	4.93 (0.46)	2.06 (0.19)	63 1/2" (1612)	8.15 (0.76)
ATV50110	2.22 (0.21)	54 5/16" (1379)	5 7/8" (150)	5.33 (0.50)	2.22 (0.21)	63 1/2" (1612)	8.74 (0.81)
ATV54110	2.39 (0.22)	58 5/16" (1481)	5 7/8" (150)	5.74 (0.53)	2.39 (0.22)	63 1/2" (1612)	9.33 (0.87)
ATV58110	2.55 (0.24)	62 5/16" (1583)	5 7/8" (150)	6.14 (0.57)	2.55 (0.24)	63 1/2" (1612)	9.92 (0.92)
ATV60110	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	6.55 (0.61)	2.71 (0.25)	63 1/2" (1612)	10.51 (0.98)
ATV1820	0.59 (0.05)	14 5/16" (363)	5 7/8" (150)	1.45 (0.13)	0.59 (0.05)	61 1/2" (1561)	3.11 (0.29)
ATV2020	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	1.91 (0.18)	0.75 (0.07)	61 1/2" (1561)	3.75 (0.35)
ATV2420	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	2.38 (0.22)	0.91 (0.08)	61 1/2" (1561)	4.40 (0.41)
ATV2620	0.99 (0.09)	24 5/16" (617)	5 7/8" (150)	2.61 (0.24)	0.99 (0.09)	61 1/2" (1561)	4.72 (0.44)
ATV2820	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	2.84 (0.26)	1.08 (0.10)	61 1/2" (1561)	5.05 (0.47)
ATV21020	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	3.07 (0.28)	1.16 (0.11)	61 1/2" (1561)	5.37 (0.50)
ATV3020	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	3.30 (0.31)	1.24 (0.12)	61 1/2" (1561)	5.69 (0.53)
ATV3220	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	3.53 (0.33)	1.32 (0.12)	61 1/2" (1561)	6.01 (0.56)
ATV3420	1.40 (0.13)	34 5/16" (871)	5 7/8" (150)	3.76 (0.35)	1.40 (0.13)	61 1/2" (1561)	6.34 (0.59)
ATV3820	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	4.22 (0.39)	1.57 (0.15)	61 1/2" (1561)	6.98 (0.65)
ATV4020	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	4.68 (0.43)	1.73 (0.16)	61 1/2" (1561)	7.63 (0.71)
ATV4420	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	5.14 (0.48)	1.90 (0.18)	61 1/2" (1561)	8.28 (0.77)

- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
- Dimensions in parentheses are in millimeters or square meters.

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Fixed Transom Window Area Specifications (continued)

Window Number	Glass Area Sq. Ft./(m <sup>2</sup> )	Overall Window Area Sq. Ft./(m <sup>2</sup> )
ATF24110	2.09 (0.19)	4.02 (0.37)
ATF2420	2.37 (0.22)	4.40 (0.41)
ATF2422	2.66 (0.25)	4.78 (0.44)
ATF2424	2.95 (0.27)	5.16 (0.48)
ATF2426	3.23 (0.30)	5.54 (0.51)
ATF2428	3.52 (0.33)	5.91 (0.55)
ATF2430	4.09 (0.38)	6.67 (0.62)
ATF2434	4.66 (0.43)	7.43 (0.69)
ATF2610	0.72 (0.07)	2.29 (0.21)
ATF2614	1.35 (0.13)	3.10 (0.29)
ATF2616	1.66 (0.15)	3.50 (0.33)
ATF2618	1.98 (0.18)	3.91 (0.36)
ATF26110	2.29 (0.21)	4.32 (0.40)
ATF2620	2.61 (0.24)	4.72 (0.44)
ATF2622	2.92 (0.27)	5.13 (0.48)
ATF2624	3.23 (0.30)	5.54 (0.51)
ATF2626	3.55 (0.33)	5.94 (0.55)
ATF2628	3.86 (0.36)	6.35 (0.59)
ATF2630	4.49 (0.42)	7.16 (0.67)
ATF2634	5.12 (0.48)	7.97 (0.74)
ATF2810	0.79 (0.07)	2.44 (0.23)
ATF2814	1.47 (0.14)	3.31 (0.31)
ATF2816	1.81 (0.17)	3.74 (0.35)
ATF2818	2.15 (0.20)	4.18 (0.39)
ATF28110	2.49 (0.23)	4.61 (0.43)
ATF2820	2.84 (0.26)	5.05 (0.47)
ATF2822	3.18 (0.30)	5.48 (0.51)
ATF2824	3.52 (0.33)	5.91 (0.55)
ATF2826	3.86 (0.36)	6.35 (0.59)
ATF2828	4.20 (0.39)	6.78 (0.63)
ATF2830	4.89 (0.45)	7.65 (0.71)
ATF2834	5.57 (0.52)	8.52 (0.79)
ATF21010	0.85 (0.08)	2.60 (0.24)
ATF21014	1.59 (0.15)	3.52 (0.33)
ATF21016	1.96 (0.18)	3.98 (0.37)
ATF21018	2.33 (0.22)	4.44 (0.41)

- Dimensions in parentheses are in square meters.

# TRANSOM WINDOWS

**Table of Transom Window Sizes** (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on page 57 also apply to this page. Transom sizes on pages 56-60.

Unit Dimension	6'-3 1/4" (1911)	6'-7 1/4" (2013)	6'-11 1/4" (2115)	7'-3 1/4" (2216)	7'-7 1/4" (2318)	7'-11 1/4" (2419)
<b>Minimum Rough Opening</b>	6'-4" (1930)	6'-8" (2032)	7'-0" (2133)	7'-4" (2235)	7'-8" (2336)	8'-0" (2438)
Unobstructed Glass	68 5/8" (1743)	72 5/8" (1845)	76 5/8" (1946)	80 5/8" (2048)	84 5/8" (2149)	88 5/8" (2251)

CUSTOM WIDTHS – fixed 15 1/4" to 95 1/4"		CUSTOM HEIGHTS – fixed 11 1/4" to 95 1/4"					
11 1/4" (286)	1'-0" (305)	ATF6410	ATF6810	ATF7010	ATF7410	ATF7810	ATF8010
1'-3 1/4" (387)	1'-4" (406)	ATF6414	ATF6814	ATF7014	ATF7414	ATF7814	ATF8014
1'-5 1/4" (438)	1'-6" (457)	ATF6416	ATF6816	ATF7016	ATF7416	ATF7816	ATF8016
1'-7 1/4" (489)	1'-8" (508)	ATF6418	ATF6818	ATF7018	ATF7418	ATF7818	ATF8018
1'-9 1/4" (540)	1'-10" (559)	ATF64110	ATF68110	ATF70110	ATF74110	ATF78110	ATF80110
1'-11 1/4" (591)	2'-0" (610)	ATF6420	ATF6820	ATF7020	ATF7420	ATF7820	ATF8020
2'-1 1/4" (641)	2'-2" (660)	ATF6422	ATF6822	ATF7022	ATF7422	ATF7822	ATF8022
2'-3 1/4" (692)	2'-4" (711)	ATF6424	ATF6824	ATF7024	ATF7424	ATF7824	ATF8024
2'-5 1/4" (743)	2'-6" (762)	ATF6426	ATF6826	ATF7026	ATF7426	ATF7826	ATF8026
2'-7 1/4" (794)	2'-8" (813)	ATF6428	ATF6828	ATF7028	ATF7428	ATF7828	ATF8028
2'-11 1/4" (895)	3'-0" (914)	ATF6430	ATF6830	ATF7030	ATF7430	ATF7830	ATF8030
3'-3 1/4" (997)	3'-4" (1016)	ATF6434	ATF6834	ATF734	ATF7434	ATF7834	ATF8034
32 5/8" (825)							

**Venting Transom Window Opening and Area Specifications** (continued)

Window Number	Clear Opening Sq. Ft./ (m <sup>2</sup> )	Clear Opening in Full Open Position			Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Sq. Ft./ (m <sup>2</sup> )	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
		Width Inches/ (mm)	Depth Inches/ (mm)					
ATV4820	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	5.60 (0.52)	2.06 (0.19)	61 1/2" (1561)	8.92 (0.83)	
ATV5020	2.22 (0.21)	54 5/16" (1379)	5 7/8" (150)	6.06 (0.56)	2.22 (0.21)	61 1/2" (1561)	9.57 (0.89)	
ATV5420	2.39 (0.22)	58 5/16" (1481)	5 7/8" (150)	6.53 (0.61)	2.39 (0.22)	61 1/2" (1561)	10.21 (0.62)	
ATV5820	2.55 (0.24)	62 5/16" (1538)	5 7/8" (150)	6.99 (0.65)	2.55 (0.24)	61 1/2" (1561)	10.86 (0.66)	
ATV6020	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	7.45 (0.69)	2.71 (0.25)	61 1/2" (1561)	11.50 (0.70)	
ATV1822	0.59 (0.05)	14 5/16" (363)	5 7/8" (150)	1.63 (0.15)	0.59 (0.05)	59 1/2" (1510)	3.38 (0.31)	
ATV2022	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	2.14 (0.20)	0.75 (0.07)	59 1/2" (1510)	4.08 (0.38)	
ATV2422	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	2.66 (0.25)	0.91 (0.08)	59 1/2" (1510)	4.78 (0.44)	
ATV2622	0.99 (0.09)	24 5/16" (617)	5 7/8" (150)	2.92 (0.27)	0.99 (0.09)	59 1/2" (1510)	5.13 (0.48)	
ATV2822	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	3.18 (0.30)	1.08 (0.10)	59 1/2" (1510)	5.48 (0.51)	
ATV21022	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	3.44 (0.32)	1.16 (0.11)	59 1/2" (1510)	5.83 (0.54)	
ATV3022	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	3.69 (0.34)	1.24 (0.12)	59 1/2" (1510)	6.18 (0.57)	
ATV3222	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	3.95 (0.37)	1.32 (0.12)	59 1/2" (1510)	6.53 (0.61)	

• "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).  
 • Dimensions in parentheses are in millimeters or square meters.

continued on next page

**Fixed Transom Window Area Specifications** (continued)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
ATF210110	2.70 (0.25)	4.91 (0.46)
ATF21020	3.07 (0.28)	5.37 (0.50)
ATF21022	3.44 (0.32)	5.83 (0.54)
ATF21024	3.81 (0.35)	6.29 (0.58)
ATF21026	4.17 (0.39)	6.75 (0.63)
ATF21028	4.54 (0.42)	7.22 (0.67)
ATF21030	5.28 (0.49)	8.14 (0.76)
ATF21034	6.02 (0.56)	9.06 (0.84)
ATF3010	0.91 (0.08)	2.75 (0.26)
ATF3014	1.71 (0.16)	3.73 (0.35)
ATF3016	2.11 (0.20)	4.22 (0.39)

• Dimensions in parentheses are in square meters.

continued on next page



# TRANSOM WINDOWS

## Fixed Transom Window Area Specifications *(continued)*




Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
ATF4414	2.66 (0.25)	5.43 (0.50)
ATF4416	3.28 (0.30)	6.14 (0.57)
ATF4418	3.90 (0.36)	6.85 (0.64)
ATF44110	4.52 (0.42)	7.56 (0.70)
ATF4420	5.14 (0.48)	8.27 (0.77)
ATF4422	5.76 (0.54)	8.99 (0.83)
ATF4424	6.38 (0.59)	9.70 (0.90)
ATF4426	7.00 (0.65)	10.41 (0.97)
ATF4428	7.62 (0.71)	11.12 (1.03)
ATF4430	8.24 (0.77)	11.83 (1.10)
ATF4434	10.10 (0.94)	13.97 (1.30)
ATF4810	1.55 (0.14)	4.32 (0.40)
ATF4814	2.90 (0.27)	5.85 (0.54)
ATF4816	3.58 (0.33)	6.62 (0.61)
ATF4818	4.25 (0.40)	7.39 (0.69)
ATF48110	4.93 (0.46)	8.15 (0.76)
ATF4820	5.60 (0.52)	8.92 (0.83)
ATF4822	6.28 (0.58)	9.69 (0.90)
ATF4824	6.95 (0.65)	10.46 (0.97)
ATF4826	7.63 (0.71)	11.22 (1.04)
ATF4828	8.30 (0.77)	11.99 (1.11)
ATF4830	9.65 (0.90)	13.52 (1.26)
ATF4834	11.00 (1.02)	15.06 (1.40)
ATF5010	1.68 (0.16)	4.63 (0.43)
ATF5014	3.14 (0.29)	6.27 (0.58)
ATF5016	3.87 (0.36)	7.10 (0.66)
ATF5018	4.60 (0.43)	7.92 (0.74)
ATF50110	5.33 (0.50)	8.74 (0.81)
ATF5020	6.06 (0.56)	9.57 (0.89)
ATF5022	6.79 (0.63)	10.39 (0.97)
ATF5024	7.52 (0.70)	11.21 (1.04)
ATF5026	8.26 (0.77)	12.04 (1.12)
ATF5028	8.99 (0.83)	12.86 (1.19)
ATF5030	10.45 (0.97)	14.50 (1.35)
ATF5034	11.91 (1.11)	16.15 (1.50)
ATF5410	1.81 (0.17)	4.94 (0.46)
ATF5414	3.38 (0.31)	6.70 (0.62)
ATF5416	4.17 (0.39)	7.58 (0.70)
ATF5418	4.95 (0.46)	8.46 (0.79)
ATF54110	5.74 (0.53)	9.33 (0.87)
ATF5420	6.52 (0.61)	10.21 (0.95)
ATF5422	7.31 (0.68)	11.09 (1.03)
ATF5424	8.10 (0.75)	11.97 (1.11)
ATF5426	8.88 (0.83)	12.85 (1.19)
ATF5428	9.67 (0.90)	13.73 (1.28)
ATF5430	11.24 (1.04)	15.48 (1.44)
ATF5434	12.81 (1.19)	17.24 (1.60)
ATF5810	1.94 (0.18)	5.25 (0.49)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
ATF5814	3.62 (0.34)	7.12 (0.66)
ATF5816	4.46 (0.41)	8.06 (0.75)
ATF5818	5.30 (0.49)	8.99 (0.84)
ATF58110	6.14 (0.57)	9.92 (0.92)
ATF5820	6.99 (0.65)	10.86 (1.01)
ATF5822	7.83 (0.73)	11.79 (1.10)
ATF5824	8.67 (0.81)	12.73 (1.18)
ATF5826	9.51 (0.88)	13.66 (1.27)
ATF5828	10.35 (0.96)	14.59 (1.36)
ATF5830	12.04 (1.12)	16.46 (1.53)
ATF5834	13.72 (1.27)	18.33 (1.70)
ATF6010	2.06 (0.19)	5.57 (0.52)
ATF6014	3.86 (0.36)	7.55 (0.70)
ATF6016	4.76 (0.44)	8.54 (0.79)
ATF6018	5.65 (0.53)	9.52 (0.88)
ATF60110	6.55 (0.61)	10.51 (0.98)
ATF6020	7.45 (0.69)	11.50 (1.07)
ATF6022	8.34 (0.78)	12.49 (1.16)
ATF6024	9.24 (0.86)	13.48 (1.25)
ATF6026	10.14 (0.94)	14.47 (1.34)
ATF6028	11.04 (1.03)	15.46 (1.44)
ATF6030	12.83 (1.19)	17.44 (1.62)
ATF6034	14.62 (1.36)	19.42 (1.80)
ATF6410	2.19 (0.20)	5.88 (0.55)
ATF6414	4.10 (0.38)	7.97 (0.74)
ATF6416	5.05 (0.47)	9.01 (0.84)
ATF6418	6.00 (0.56)	10.06 (0.93)
ATF64110	6.96 (0.65)	11.10 (1.03)
ATF6420	7.91 (0.73)	12.15 (1.13)
ATF6422	8.86 (0.82)	13.19 (1.23)
ATF6424	9.81 (0.91)	14.24 (1.32)
ATF6426	10.77 (1.00)	15.29 (1.42)
ATF6428	11.72 (1.09)	16.33 (1.52)
ATF6430	13.62 (1.27)	18.42 (1.71)
ATF6434	15.53 (1.44)	20.51 (1.91)
ATF6810	2.32 (0.22)	6.19 (0.58)
ATF6814	4.34 (0.40)	8.39 (0.78)
ATF6816	5.34 (0.50)	9.49 (0.88)
ATF6818	6.35 (0.59)	10.59 (0.98)
ATF68110	7.36 (0.68)	11.69 (1.09)
ATF6820	8.37 (0.78)	12.80 (1.19)
ATF6822	9.38 (0.87)	13.90 (1.29)
ATF6824	10.39 (0.97)	15.00 (1.39)
ATF6826	11.39 (1.06)	16.10 (1.50)
ATF6828	12.40 (1.15)	17.20 (1.60)
ATF6830	14.42 (1.34)	19.40 (1.80)
ATF6834	16.44 (1.53)	21.60 (2.01)
ATF7010	2.45 (0.23)	6.50 (0.60)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
ATF7014	4.57 (0.42)	8.82 (0.82)
ATF7016	5.64 (0.52)	9.97 (0.93)
ATF7018	6.70 (0.62)	11.13 (1.03)
ATF70110	7.77 (0.72)	12.29 (1.14)
ATF7020	8.83 (0.82)	13.44 (1.25)
ATF7022	9.89 (0.92)	14.60 (1.36)
ATF7024	10.96 (1.02)	15.75 (1.46)
ATF7026	12.02 (1.12)	16.91 (1.57)
ATF7028	13.09 (1.22)	18.07 (1.68)
ATF7030	15.21 (1.41)	20.38 (1.89)
ATF7034	17.34 (1.61)	22.69 (2.11)
ATF7410	2.57 (0.24)	6.82 (0.63)
ATF7414	4.81 (0.45)	9.24 (0.86)
ATF7416	5.93 (0.55)	10.45 (0.97)
ATF7418	7.05 (0.65)	11.66 (1.08)
ATF74110	8.17 (0.76)	12.88 (1.20)
ATF7420	9.29 (0.86)	14.09 (1.31)
ATF7422	10.41 (0.97)	15.03 (1.40)
ATF7424	11.53 (1.07)	16.51 (1.53)
ATF7426	12.65 (1.18)	17.72 (1.65)
ATF7428	13.77 (1.28)	18.93 (1.76)
ATF7430	16.01 (1.49)	21.36 (1.98)
ATF7434	18.25 (1.70)	23.78 (2.21)
ATF7810	2.70 (0.25)	7.13 (0.66)
ATF7814	5.05 (0.47)	9.66 (0.90)
ATF7816	6.23 (0.58)	10.93 (1.02)
ATF7818	7.40 (0.69)	12.20 (1.13)
ATF78110	8.58 (0.80)	13.47 (1.25)
ATF7820	9.75 (0.91)	14.73 (1.37)
ATF7822	10.93 (1.02)	16.00 (1.49)
ATF7824	12.10 (1.12)	17.27 (1.60)
ATF7826	13.28 (1.23)	18.54 (1.72)
ATF7828	14.45 (1.34)	19.80 (1.84)
ATF7830	16.80 (1.56)	22.34 (2.08)
ATF7834	19.15 (1.78)	24.87 (2.31)
ATF8010	2.83 (0.26)	7.44 (0.69)
ATF8014	5.29 (0.49)	10.09 (0.94)
ATF8016	6.52 (0.61)	11.41 (1.06)
ATF8018	7.75 (0.72)	12.73 (1.18)
ATF80110	8.98 (0.83)	14.06 (1.31)
ATF8020	10.21 (0.95)	15.38 (1.43)
ATF8022	11.44 (1.06)	16.70 (1.55)
ATF8024	12.67 (1.18)	18.02 (1.67)
ATF8026	13.91 (1.29)	19.35 (1.80)
ATF8028	15.14 (1.43)	20.67 (1.92)
ATF8030	17.60 (1.64)	23.32 (2.17)
ATF8034	20.06 (1.86)	26.96 (2.50)

• Dimensions in parentheses are in square meters.

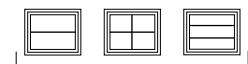
## Grille Patterns

	Diamond	Prairie A	Colonial
Transom			

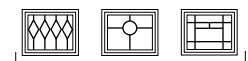
**Number of lights and overall pattern varies with window size. Patterns shown may not be available for all sizes.**

Specified equal light and custom patterns are also available.

For more information on divided light, see pages 12-13 or visit [andersenwindows.com/grilles](http://andersenwindows.com/grilles).



Specified Equal Light Examples

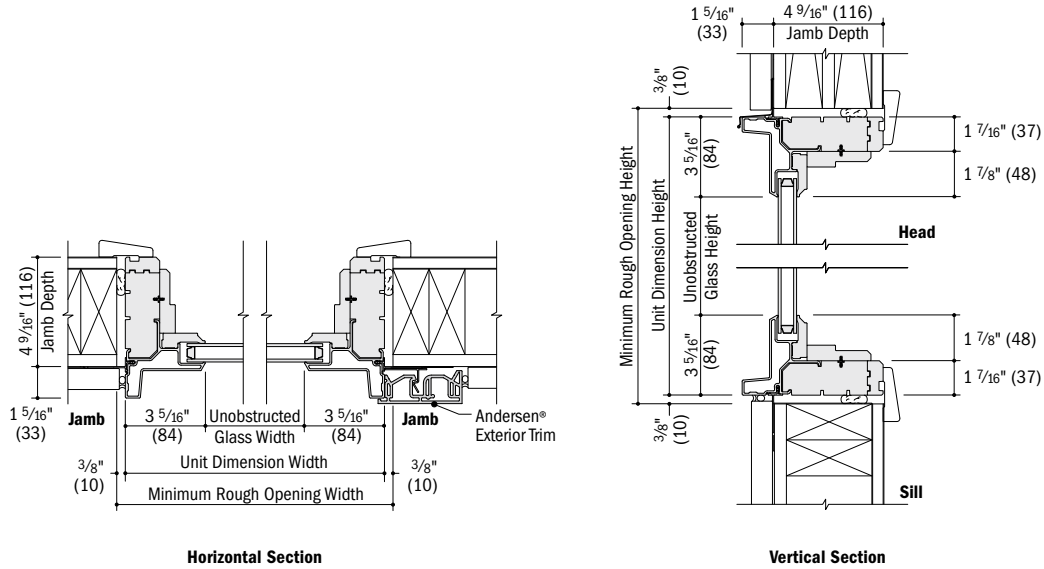


Custom Pattern Examples



**Fixed Transom Window Details**

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

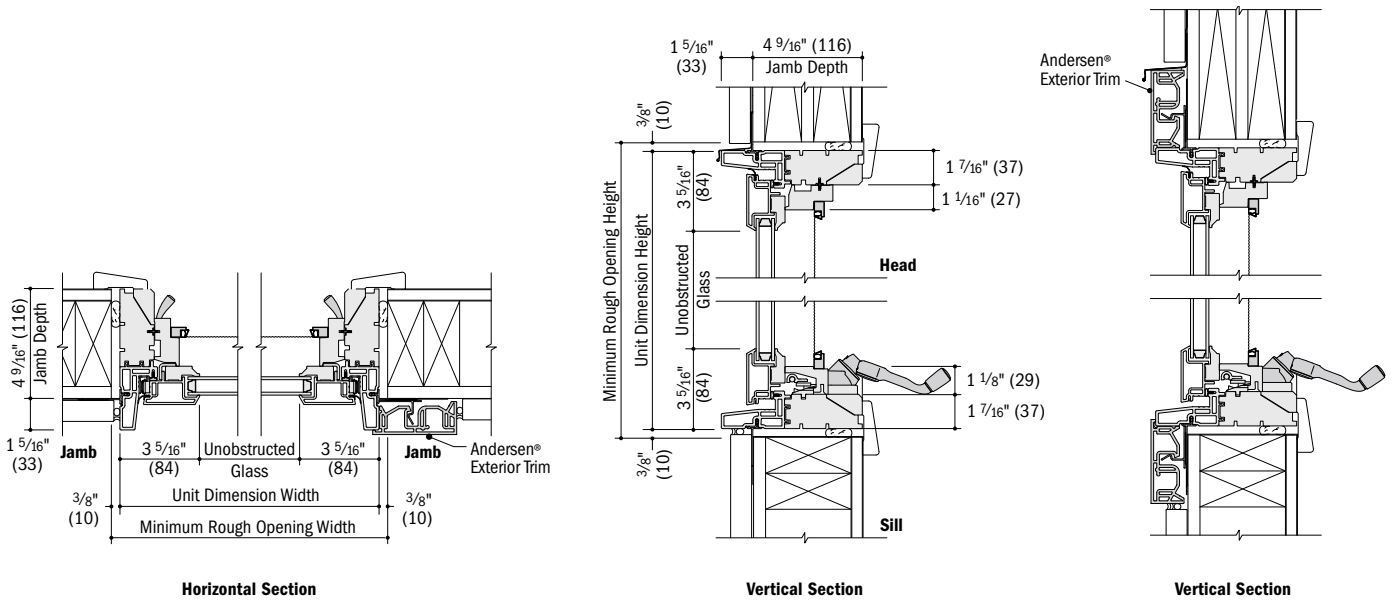


Horizontal Section

Vertical Section

**Venting Transom Window Details**

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Horizontal Section

Vertical Section

Vertical Section

See pages 64-66 for horizontal and vertical joining details.

- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

# WINDOWS

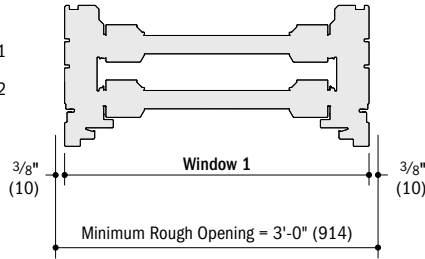
## Minimum Rough Opening Calculation Examples

### Single Window

- 2'-11 1/4" (895) Width dimension, window 1
- + 3/8" (10) Rough opening clearance, side 1
- + 3/8" (10) Rough opening clearance, side 2

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- 3'-0" (914) Total**

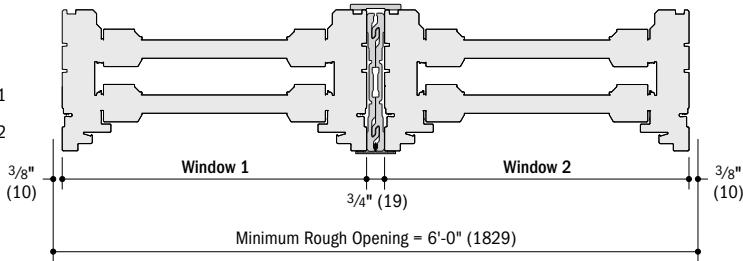


### Two Vertical Joined Windows

- 2'-11 1/4" (895) Width dimension, window 1
- 2'-11 1/4" (895) Width dimension, window 2
- + 3/8" (10) Rough opening clearance, side 1
- + 3/8" (10) Rough opening clearance, side 2
- + 3/4" (19) Fiberglass joining material

---

- 6'-0" (1829) Total**



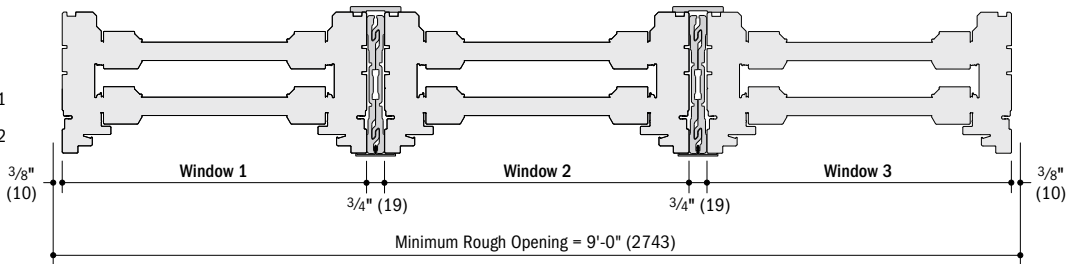
For factory-joined windows modular sizing allows for easy calculating.

### Three Vertical Joined Windows

- 2'-11 1/4" (895) Width dimension, window 1
- 2'-11 1/4" (895) Width dimension, window 2
- 2'-11 1/4" (895) Width dimension, window 3
- + 3/8" (10) Rough opening clearance, side 1
- + 3/8" (10) Rough opening clearance, side 2
- + 3/4" (19) Fiberglass joining material
- + 3/4" (19) Fiberglass joining material

---

- 9'-0" (2743) Total**



- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

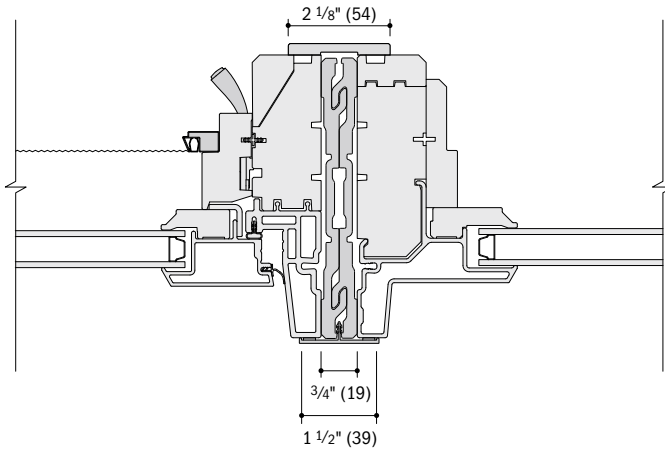
**Vertical (ribbon) Joining Details**

Scale 3" (76) = 1'-0" (305) – 1:4

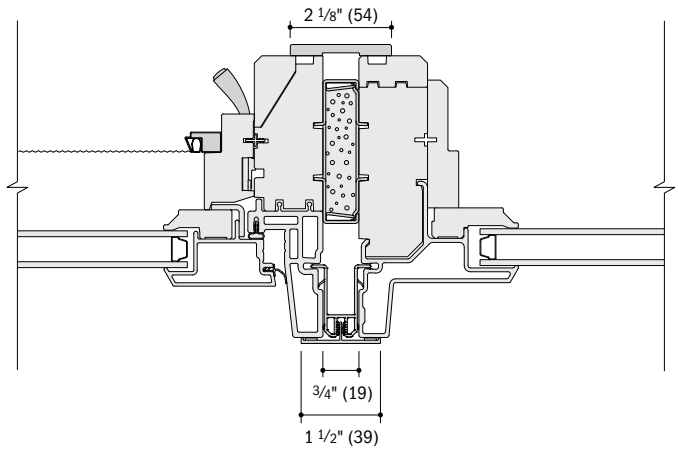
Windows can be joined to other windows using 4 9/16" (116) fiberglass or clip joining materials. See page 116 for specialty window joining details.

**Overall Window Dimension Width** Sum of individual window widths plus 3/4" (19).

**Overall Minimum Rough Opening Width** Overall window dimension width plus 3/4" (19).



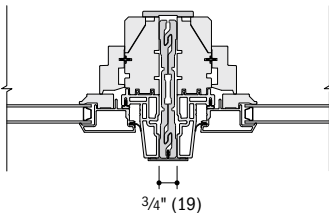
**Casement to Picture**  
Fiberglass



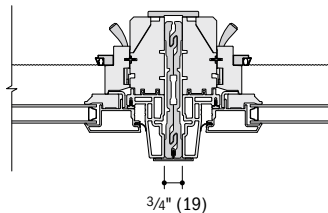
**Casement to Picture**  
Clip

**Vertical (ribbon) Fiberglass Joining Details**

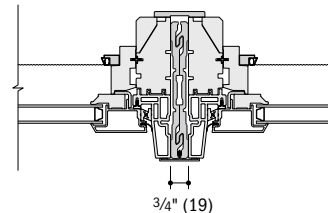
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



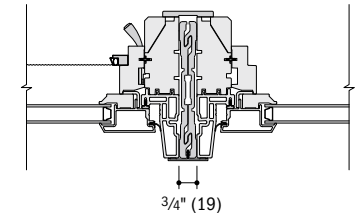
**Casement to Casement**  
(stationary jamb to stationary jamb)



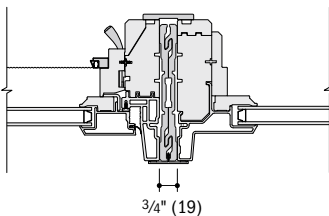
**Casement to Casement**  
(lock jamb to lock jamb)



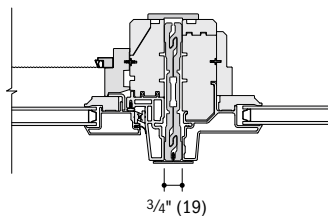
**Casement to Casement**  
(hinge jamb to hinge jamb)



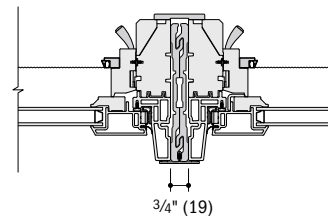
**Casement to Casement**  
(lock jamb to stationary jamb)



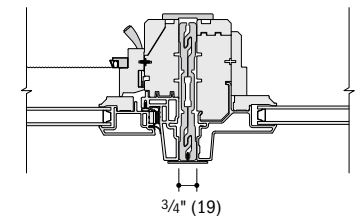
**Casement to Picture**  
(casement lock jamb)



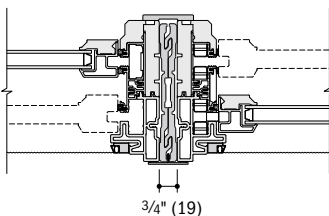
**Casement to Picture**  
(casement hinge jamb)



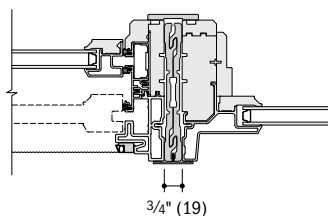
**Awning to Awning**



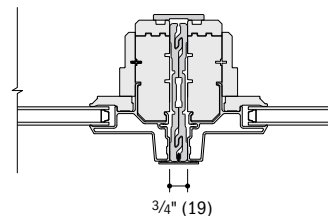
**Awning to Picture**



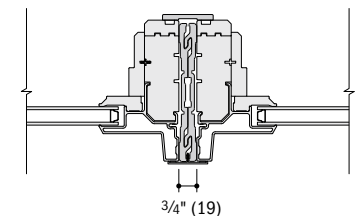
**Double-Hung to Double-Hung**



**Double-Hung to Picture**



**Picture to Picture**



**Fixed Transom to Fixed Transom**

- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- For clip joining material, structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.

# WINDOWS

## Horizontal (stack) Joining Details

Scale 3" (76) = 1'-0" (305) – 1:4

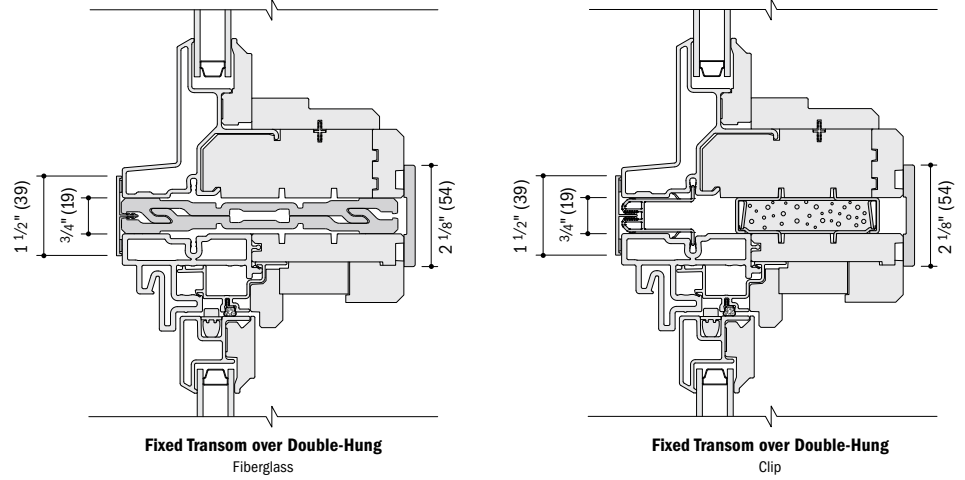
Windows can be joined to other windows using 4 9/16" (116) fiberglass or clip joining materials.  
See page 116 for specialty window joining details.

### Overall Window Dimension Height

Sum of individual window heights plus 3/4" (19).

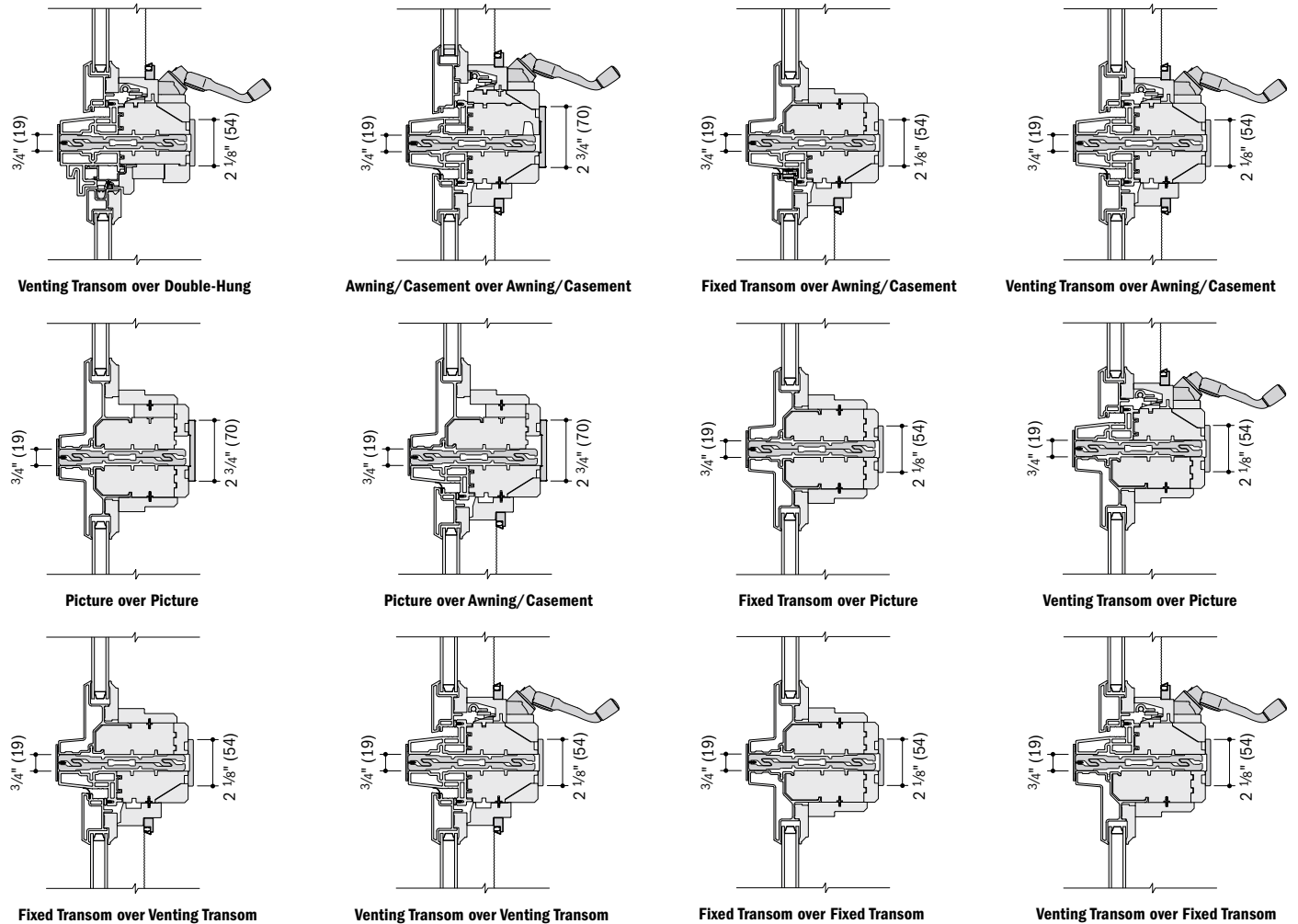
### Overall Minimum Rough Opening Height

Overall window dimension height plus 3/4" (19).



## Horizontal (stack) Fiberglass Joining Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



For more information on vertical or horizontal joining, refer to the combination designs section starting on page 206.

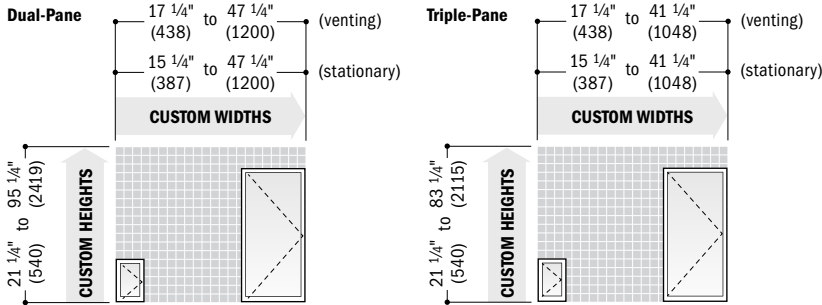
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at [andersenwindows.com](http://andersenwindows.com).
- For clip joining material, structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.

Custom Sizes & Specification Formulas



A-Series windows are available in 1/8" (3) increments between minimum and maximum widths and heights shown. Some restrictions apply. Contact your Andersen supplier for custom-sized specialty windows.

Casement Windows

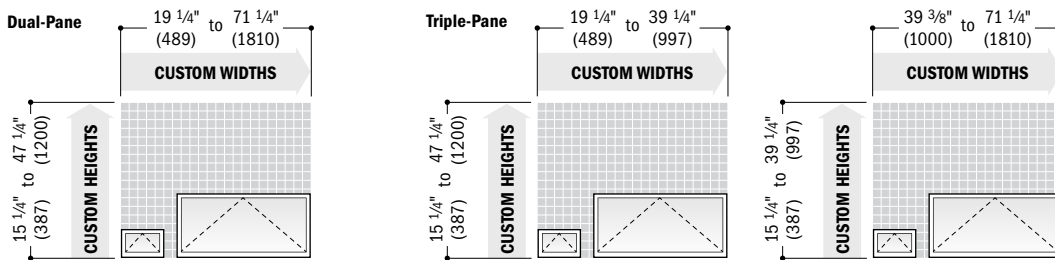


Required hinge type for casement windows is based on size and window performance. To determine which clear opening formula to use, first contact an Andersen representative to identify the required hinge type.

	<b>Clear Opening</b> Width = window width - 9.42" (239) = window width - 6.76" (172) = window width - 10.94" (278) = 0.95" (24) x (window width - 9.34" (237))  All units with 14" (356) operator and 13" (330) egress hinge meet the egress clear width, height and square foot requirements. Units with 12" (305) operator and 13" (330) egress hinge do not meet egress.  Height = window height - 5.65" (144)	Split-arm operator and 10" (254) standard hinge Straight-arm operator and 10" (254) egress hinge Split-arm operator and 13" (330) standard hinge Split-arm operator, 13" (330) standard hinge 72" vent limiter		<b>Minimum R.O.</b> Width = window width + 3/4" (19) Height = window height + 3/4" (19)
	<b>Vent Opening</b> Width = window width - 6.54" (166) = window width - 5.65" (144)	<b>Unobstr. Glass</b> Height = window height - 6.65" (169) Width = window width - 7.45" (189)		

• All casement windows wider than 2'-3 1/4" (692) and taller than 3'-11 1/4" (1200) meet or exceed clear opening area of 5.7 sq. ft. or .053 m<sup>2</sup>, clear opening width of 20" (508) and clear opening height of 24" (610).

Awning Windows



	<b>Clear Opening</b> Width = window width - 4.94" (125) Height = 5.88" (149)	<b>Minimum R.O.</b> Width = window width + 3/4" (19) Height = window height + 3/4" (19)
	<b>Vent Opening</b> Width = window width - 4.94" (125) Height = 5.88" (149)	<b>Unobstr. Glass</b> Width = window width - 6.65" (169) Height = window height - 7.45" (189)

• Awning windows do not meet clear opening area of 5.7 sq.ft. or 0.53 m<sup>2</sup>, clear opening width of 20" (508) and clear opening height of 24" (610).

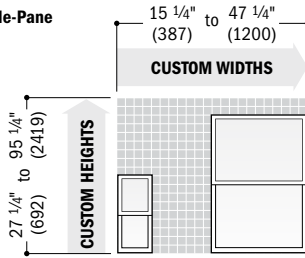
• Dimensions in parentheses are in millimeters.  
 • **Clear Opening** formulas provide dimensions for determining area available for egress. **Vent Opening** formulas provide dimensions for determining area available for passage of air. **Minimum R.O.** (minimum rough opening) formulas provide minimum rough opening width and height dimensions. **Unobstr. Glass** (unobstructed glass) formulas provide dimensions for determining area available for passage of light.

# WINDOWS

## Double-Hung Windows

### Equal Sash Ratio

Dual-Pane & Triple-Pane



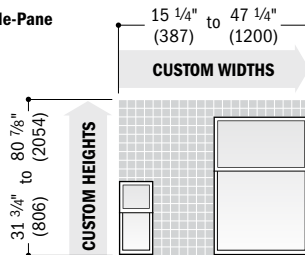
<b>Clear Opening*</b>	Width = window width - 4.06" (103) Height = (window height + 2) - 4.65" (118)	<b>Minimum R.O.</b>	Width = window width + 3/4" (19) Height = window height + 3/4" (19)
<b>Vent Opening*</b>	Width = window width - 4.06" (103) Height = (window height + 2) - 3.84" (98)	<b>Unobstr. Glass</b>	Width = window width - 6.65" (169) Single Sash Height = (window height - 9.65" (245)) + 2 Total Sash Height = window height - 9.65" (245)

- Windows wider than 3'-1 1/4" (946) and taller than 4'-11 1/4" (1505) meet or exceed clear opening area of 5.7 sq. ft. or .053 m<sup>2</sup>, clear opening width of 20" (508) and clear opening height of 24" (610).
- Two locks are standard for windows with triple-pane glass or Andersen® art glass on sizes wider than 1'-7 1/8" (486).
- Two locks are standard for windows with dual-pane glass on sizes wider than 3'-3 1/4" (997).

\*Windows with triple-pane or art glass wider than 2'-11 1/4" (895) and taller than 5'-11 1/4" (1810) may have limited sash travel. Contact your Andersen supplier for clear opening and vent opening specifications.

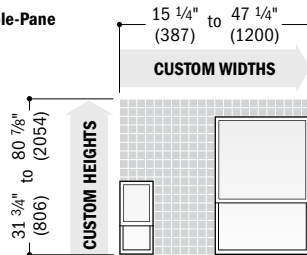
### 2:3 Cottage Sash Ratio

Dual-Pane & Triple-Pane



### 3:2 Reverse Cottage Sash Ratio

Dual-Pane & Triple-Pane

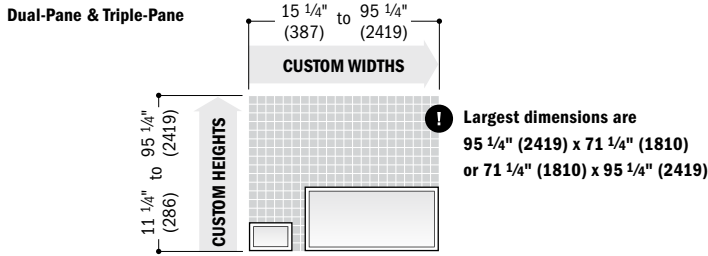


<b>Clear Opening*</b>	Width = window width - 4.06" (103) Height = (window height - 4.18" (106)) x 0.4 - 2.01" (51)	<b>Minimum R.O.</b>	Width = window width + 3/4" (19) Height = window height + 3/4" (19)
<b>Vent Opening*</b>	<b>2:3 Cottage Sash Ratio</b> Width = window width - 4.06" (103) Height = (window height - 4.18" (106)) x 0.4 - 2.01" (51) + 0.8" (20)	<b>Unobstr. Glass</b>	<b>2:3 Cottage Sash Ratio</b> Width = window width - 6.65" (169) Upper Sash Height = (window height - 9.65" (245)) x 0.4 Lower Sash Height = (window height - 9.65" (245)) x 0.6 Total Sash Height = window height - 9.65" (245)
	<b>3:2 Reverse Cottage Sash Ratio</b> Width = window width - 4.06" (103) Height = (window height - 4.18" (106)) x 0.4 - 2.01" (51) + 2.2" (56)		<b>3:2 Reverse Cottage Sash Ratio</b> Width = window width - 6.65" (169) Upper Sash Height = (window height - 9.65" (245)) x 0.6 Lower Sash Height = (window height - 9.65" (245)) x 0.4 Total Sash Height = window height - 9.65" (245)

- Two locks are standard for windows with triple-pane glass or Andersen® art glass on sizes wider than 1'-7 1/8" (486).
  - Two locks are standard for windows with dual-pane glass on sizes wider than 3'-3 1/4" (997).
- \*Windows with triple-pane or art glass wider than 2'-11 1/4" (895) and taller than 4'-11 1/4" (1505) may have limited sash travel. Contact your Andersen supplier for clear opening and vent opening specifications.

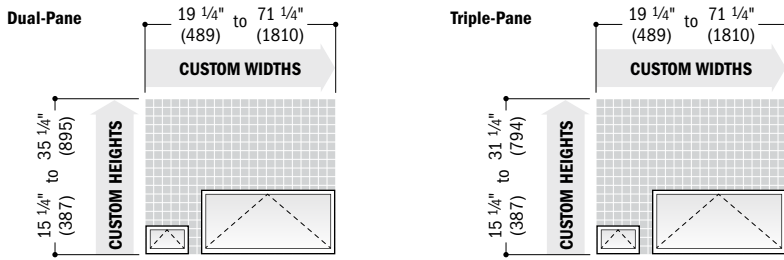
• Dimensions in parentheses are in millimeters.  
• **Clear Opening** formulas provide dimensions for determining area available for egress. **Vent Opening** formulas provide dimensions for determining area available for passage of air. **Minimum R.O.** (minimum rough opening) formulas provide minimum rough opening width and height dimensions. **Unobstr. Glass** (unobstructed glass) formulas provide dimensions for determining area available for passage of light.

### Fixed Transom Windows



	<b>Minimum R.O.</b>	Width = window width + 3/4" (19)		<b>Unobstr. Glass</b>	Width = window width - 6.65" (169)
		Height = window height + 3/4" (19)			Height = window height - 6.65" (169)

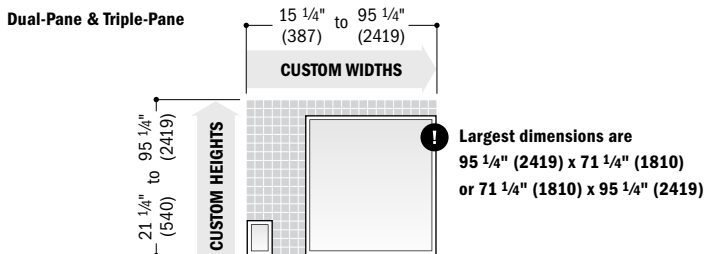
### Venting Transom Windows



	<b>Clear Opening</b>	Width = window width - 4.94" (125)		<b>Minimum R.O.</b>	Width = window width + 3/4" (19)
		Height = 5.88" (149)			Height = window height + 3/4" (19)
	<b>Vent Opening</b>	Width = window width - 4.94" (125)		<b>Unobstr. Glass</b>	Height = window height - 6.65" (169)
		Height = 5.88" (149)			Width = window width - 6.65" (169)

• Venting transom windows do not meet clear opening area of 5.7 sq.ft. or 0.53 m<sup>2</sup>, clear opening width of 20" (508) and clear opening height of 24" (610).

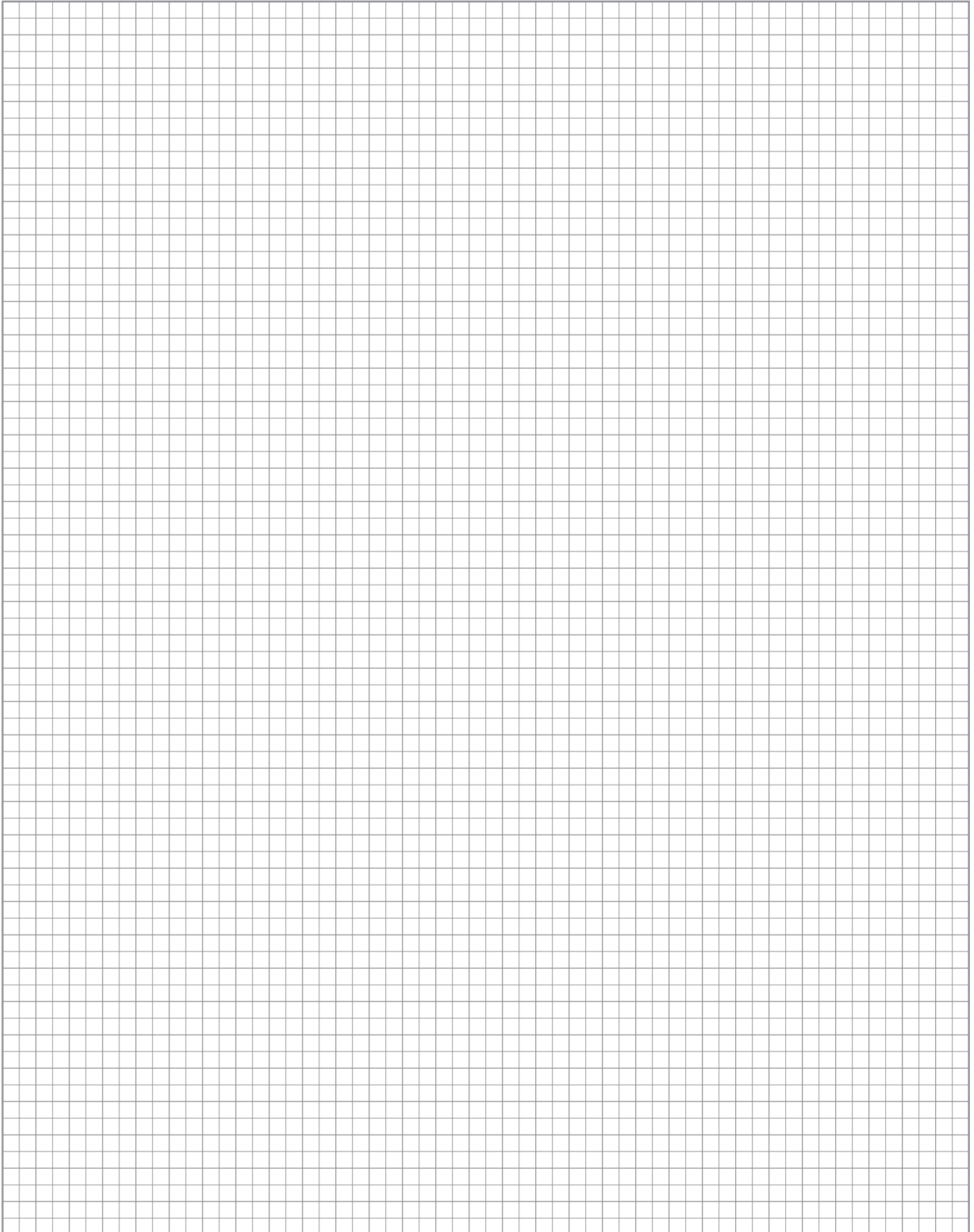
### Picture Windows



	<b>Minimum R.O.</b>	Width = window width + 3/4" (19)		<b>Unobstr. Glass</b>	Width = window width - 6.65" (169)
		Height = window height + 3/4" (19)			Height = window height - 7.45" (189)

• Dimensions in parentheses are in millimeters.  
• **Clear Opening** formulas provide dimensions for determining area available for egress. **Vent Opening** formulas provide dimensions for determining area available for passage of air. **Minimum R.O.** (minimum rough opening) formulas provide minimum rough opening width and height dimensions. **Unobstr. Glass** (unobstructed glass) formulas provide dimensions for determining area available for passage of light.

# NOTES





# SPECIALTY WINDOWS

**CUSTOM SIZING**  
in 1/8" (3) increments



## SECTION REFERENCE

### Half Circle, Elliptical & Quarter Circle

Table of Sizes.....	74-77
Direct-Set Specifications ....	81-82
Sash-Set Specifications.....	82-83
Grille Patterns .....	77

### Unequal Leg Arch

Table of Sizes.....	78-79
Direct-Set Specifications ....	81-82
Sash-Set Specifications.....	82
Grille Patterns .....	79

### Octagon, Circle & Oval

Table of Sizes.....	80
Direct-Set Specifications .....	81
Sash-Set Specifications.....	83
Grille Patterns .....	80

### Trapezoid .....

### Arch

Table of Sizes.....	84-99
Direct-Set Specifications .....	88-89, 94-95
Sash-Set Specifications .....	98-101
Grille Patterns .....	109

### Springline™

Table of Sizes.....	102-112
Direct-Set Specifications .	109-111
Sash-Set Specifications...	112-114
Grille Patterns .....	109

Window Details .....

Joining Details.....

Combination Designs .....

Product Performance.....

Dimensions in parentheses are in millimeters.

# SPECIALTY WINDOWS

## FEATURES

### Frame

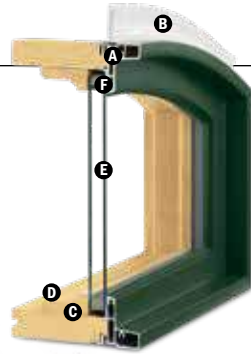
**A** Frame constructed with a wood core and protected with a heavy-duty extruded aluminum cladding. Standard cladding finish meets AAMA 2604. An optional finish that meets the AAMA 2605 standard is also available. This construction produces a rigid frame and a low-maintenance, durable exterior with no exposed ends.

**B** A vinyl installation flange extends 1 1/2" (38) around the perimeter of the unit to help properly position the unit in the opening. Installation clips are standard for increased structural anchoring to building members. Mounted around the frame perimeter, the clips rotate into position and can be bent into place against the framing members to suit all jamb conditions.

**C** Wood members are treated with a water-repellent preservative for long-lasting\* protection and performance. Radii are made of laminated continuous veneers. Lineal components are solid or engineered wood with a pine core.

### Sash

Available in direct-set or sash-set construction. Direct-set windows have glass glazed directly into the frame and maximize glass area. Sash-set windows feature a stationary sash and provide common sight lines with other A-Series operating windows. Sash constructed with a wood core and protected with a heavy-duty aluminum cladding. This construction produces a rigid sash and a low-maintenance, durable exterior.\*



**Direct-Set Window**

Traditional architectural style:

- Classic chamfer detailing
- The look of mortise-and-tenon joinery

**D** Natural wood interiors are treated with a water-repellent wood preservative for long-lasting\* protection and performance.

### Glass

3/4" (19) dual-pane glass construction provides exceptional energy performance.

- Low-E4®
- Low-E4 HeatLock® glass
- Low-E4 Sun
- Low-E4 SmartSun™ glass
- Low-E4 SmartSun HeatLock glass

For even greater energy performance, 1" (25) triple-pane glass is available in these glass options:

- Low-E4 glass
- Low-E4 Enhanced glass
- Low-E4 Enhanced HeatLock glass
- Low-E4 SmartSun glass
- Low-E4 SmartSun Enhanced glass
- Low-E4 SmartSun Enhanced HeatLock glass

Tempered glass and other glass options are available. Contact your Andersen supplier.

**F** Silicone glazing fillet bead combined with two-sided silicone tape provides superior weathertightness.

A removable translucent film helps shield the glass from damage during delivery and construction and also simplifies finishing at the jobsite.

### Patterned Glass

Patterned glass options are available. See page 18 for more details.



A-Series specialty windows are available with Stormwatch® protection. For a copy of the Andersen® Coastal Product Guide, go to [andersenwindows.com/coastal](http://andersenwindows.com/coastal) or contact your Andersen supplier.

## ACCESSORIES Sold Separately

### Frame

#### Extension Jamb

Extension jambs are available in pine, maple, oak, cherry, mahogany\*\* and vertical grain douglas fir, precut to fit your unit. Available in 1/16" (1.5) increments up to 7 7/8" (181) and can be prefinished in six stain colors as well as all interior painted options to match the interior of the unit. This option is also available factory applied.

#### Plinth Blocks

For enhancing casing transitions. Decorated with a radial sunburst, they can be reversed to reveal a flush face.



For arch windows, use 2 7/8" (73) x 4" (102) size plinth block with 2 1/4" (57) and 2 1/2" (64) casing. Use 3 7/8" (98) x 5 1/4" (133) size with 3 1/2" (89) casing.



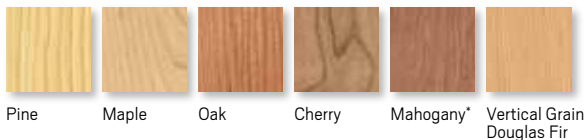
For half circle, circle, elliptical and oval windows, use 2 7/8" (73) size plinth block with 2 1/4" (57) and 2 1/2" (64) casing. Use 3 7/8" (98) size with 3 1/2" (89) casing.

## EXTERIOR

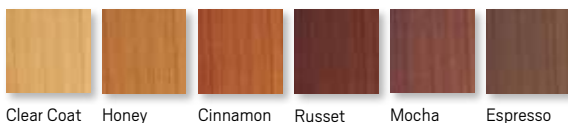


## INTERIOR

### WOOD SPECIES



**FACTORY-FINISHED INTERIORS** Shown on pine. Available on pine, maple and oak only.



Naturally occurring variations in grain, color and texture of wood make each window one of a kind. All wood interiors are unfinished unless a finish is specified.

### PAINTED OPTIONS Available on pine.



Additional colors to match all 11 exterior colors are also available, contact your Andersen supplier.

\* Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

\*\* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

Dimensions in parentheses are in millimeters.

Printing limitations prevent exact duplication of colors and finishes. See your Andersen supplier for actual color and finish samples.

**Interior Arch Casing**

Available in Colonial or Ranch styles, each arch casing comes with transition blocks or plinth blocks, depending on the product. Additional profiles are also available. For easy integration and consistency, casing dimensions are consistent with Wood Moulding and Millwork Producers Association specifications. Available in pine, maple, oak, cherry, mahogany\* and vertical grain douglas fir. Additional species are available.



2 ¼" (57) Colonial style. **WM366**



2 ½" (64) Colonial style. **WM351**



3 ½" (89) Colonial style. **WM444**



2 ¼" (57) Ranch style. **WM324**

2 ½" (64) Ranch style. **WM315**

**Glass**

**Andersen® Art Glass**

Andersen art glass panels come in a variety of original patterns shown on pages 14-15. See your Andersen supplier for the availability of art glass for specialty windows.

**Grilles**

Grilles are available in a variety of configurations and widths. See pages 12-13 for details.

**Exterior Trim**

This product is available with Andersen® Exterior Trim. See pages 173-178 for details.

**SPECIALTY SHAPES**

Andersen A-Series specialty windows are available in a variety of sizes. Profiles may vary dependent upon shape. Contact your Andersen supplier for specific sizes, details and joining information.



Arch



Half Circle



Quarter Circle



Springline™



Octagon



Trapezoid



Circle



Oval



Elliptical



Unequal Leg Arch

The additional A-Series specialty window shapes below are available by special order.



Rectangle



Right Triangle



Isosceles Triangle



Angled Pentagon



Peak Pentagon



Parallelogram



Hexagon



Diamond



Unequal Hexagon



Gothic



Springline™ Flanker



Extended Elliptical



Partial Extended Arch



Quatrefoil



Extended Gothic



Partial Arch



Partial Elliptical



Reverse Partial Eyebrow



Extended Reverse Partial Eyebrow



Extended Reverse Eyebrow



Quarter Arch



Eyebrow



Partial Eyebrow



Raised Eyebrow



Extended Raised Eyebrow

\* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. Dimensions in parentheses are in millimeters.

# SPECIALTY WINDOWS

**Table of Direct-Set Half Circle Window Sizes**

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on the next page also apply to this page.

Window Dimension	1'-11 1/4"	2'-0 1/8"	2'-3 1/4"	2'-5 1/4"	2'-6 1/8"
	(591)	(613)	(692)	(743)	(765)
<b>Minimum Rough Opening</b>	2'-0"	2'-1"	2'-4"	2'-6"	2'-7"
	(609)	(635)	(711)	(762)	(787)
Unobstructed Glass	18 7/8"	19 3/4"	22 15/16"	24 15/16"	25 13/16"
	(478)	(501)	(582)	(633)	(656)
11 5/8"	1'-0 1/16"	1'-1 5/8"	1'-2 3/8"	1'-2 5/8"	1'-3 1/16"
(295)	(306)	(346)	(371)	(383)	(383)
1'-0 3/8"	1'-0 13/16"	1'-2 3/8"	1'-3 3/8"	1'-3 13/16"	1'-3 13/16"
(314)	(325)	(365)	(391)	(402)	(402)
7 5/8"	8 1/16"	9 5/8"	10 5/8"	11 1/16"	11 1/16"
(194)	(205)	(244)	(270)	(281)	(281)
	<b>ATCTD20</b>	<b>ATCTD21</b>	<b>ATCTD24</b>	<b>ATCTD26</b>	<b>ATCTD27</b>
2'-7 1/4"	2'-8 1/8"	2'-8 3/8"	2'-9 1/4"	2'-11 1/4"	
(794)	(816)	(822)	(845)	(895)	
2'-8"	2'-9"	2'-9"	2'-10"	3'-0"	
(813)	(838)	(838)	(863)	(914)	
27"	27 13/16"	28 1/8"	29"	31"	
(685)	(707)	(714)	(736)	(787)	
1'-3 5/8"	1'-4 1/16"	1'-4 3/16"	1'-4 5/8"	1'-5 5/8"	
(397)	(408)	(411)	(422)	(448)	
1'-4 3/8"	1'-4 13/16"	1'-4 15/16"	1'-5 3/8"	1'-6 3/8"	
(416)	(427)	(430)	(441)	(467)	
11 5/8"	12 1/16"	12 3/16"	12 5/8"	13 5/8"	
(295)	(306)	(310)	(321)	(346)	
	<b>ATCTD28</b>	<b>ATCTD29</b>	<b>ATCTD29G*</b>	<b>ATCTD210</b>	<b>ATCTD30</b>
3'-0 1/8"	3'-1 1/4"	3'-2 1/8"	3'-2 3/8"	3'-3 1/4"	
(918)	(946)	(968)	(975)	(997)	
3'-1"	3'-2"	3'-3"	3'-3"	3'-4"	
(940)	(965)	(990)	(990)	(1016)	
31 7/8"	33"	33 7/8"	34 1/8"	35"	
(810)	(838)	(861)	(867)	(890)	
1'-6 1/16"	1'-6 5/8"	1'-7 1/16"	1'-7 3/16"	1'-7 5/8"	
(459)	(473)	(484)	(487)	(498)	
1'-6 13/16"	1'-7 3/8"	1'-7 13/16"	1'-7 15/16"	1'-8 3/8"	
(478)	(492)	(503)	(506)	(518)	
14 1/16"	14 5/8"	15 1/16"	15 3/16"	15 5/8"	
(357)	(371)	(383)	(386)	(397)	
	<b>ATCTD31</b>	<b>ATCTD32</b>	<b>ATCTD33</b>	<b>ATCTD33G*</b>	<b>ATCTD34</b>
3'-7 1/4"	3'-8 3/8"	3'-11 1/4"	4'-2 3/8"	4'-3 1/4"	
(1099)	(1127)	(1200)	(1280)	(1302)	
3'-8"	3'-9"	4'-0"	4'-3"	4'-4"	
(1117)	(1143)	(1219)	(1295)	(1321)	
39 1/16"	40 3/16"	43 1/16"	46 3/16"	47 1/8"	
(992)	(1020)	(1094)	(1174)	(1196)	
1'-9 5/8"	1'-10 3/16"	1'-11 5/8"	2'-1 3/16"	2'-1 5/8"	
(549)	(564)	(600)	(640)	(651)	
1'-10 3/8"	1'-10 15/16"	2'-0 3/8"	2'-1 15/16"	2'-2 3/8"	
(568)	(583)	(619)	(659)	(670)	
17 5/8"	18 3/16"	19 5/8"	21 3/16"	21 5/8"	
(448)	(462)	(498)	(538)	(549)	
	<b>ATCTD38</b>	<b>ATCTD39</b>	<b>ATCTD40</b>	<b>ATCTD43</b>	<b>ATCTD44</b>
4'-7 1/4"	4'-11 1/4"	5'-3 1/4"	5'-7 1/4"		
(1403)	(1505)	(1607)	(1708)		
4'-8"	5'-0"	5'-4"	5'-8"		
(1422)	(1524)	(1625)	(1727)		
51 1/8"	55 1/8"	59 1/8"	63 1/8"		
(1298)	(1400)	(1502)	(1603)		
2'-3 5/8"	2'-5 5/8"	2'-7 5/8"	2'-9 5/8"		
(702)	(752)	(803)	(854)		
2'-4 3/8"	2'-6 3/8"	2'-8 3/8"	2'-10 3/8"		
(721)	(772)	(822)	(873)		
23 5/8"	25 5/8"	27 5/8"	29 5/8"		
(600)	(651)	(702)	(752)		
	<b>ATCTD48</b>	<b>ATCTD50</b>	<b>ATCTD54</b>	<b>ATCTD58</b>	
5'-11 1/4"	6'-3 1/4"	6'-7 1/4"	6'-11 1/4"		
(1810)	(1911)	(2013)	(2115)		
6'-0"	6'-4"	6'-8"	7'-0"		
(1829)	(1930)	(2032)	(2134)		
67 1/8"	71 1/8"	75 1/8"	79 1/8"		
(1705)	(1807)	(1909)	(2010)		
2'-11 5/8"	3'-1 5/8"	3'-3 5/8"	3'-5 5/8"		
(905)	(956)	(1006)	(1057)		
3'-0 3/8"	3'-2 3/8"	3'-4 3/8"	3'-6 3/8"		
(924)	(975)	(1026)	(1076)		
31 5/8"	33 5/8"	35 5/8"	37 5/8"		
(803)	(854)	(905)	(956)		
	<b>ATCTD60</b>	<b>ATCTD64</b>	<b>ATCTD68</b>	<b>ATCTD70</b>	

• "Window Dimension" always refers to outside frame to frame dimension.  
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.  
 • Dimensions in parentheses are in millimeters.  
 \*Sized to fit over A-Series Frenchwood® Single-Panel Stationary Gliding Patio Door.

**Table of Direct-Set Elliptical Window Sizes**

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	3'-11 1/4" (1200)	4'-3 1/4" (1302)	4'-7 1/4" (1403)
<b>Minimum Rough Opening</b>	4'-0" (1219)	4'-4" (1321)	4'-8" (1423)
Unobstructed Glass	41 9/16" (1056)	45 3/4" (1162)	50 3/8" (1280)

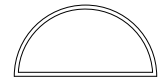
  

11 7/8" (302)	1'-0 5/8" (321)	7 7/8" (200)	ATETD40
1'-1 3/8" (340)	8 5/8" (219)		ATETD44
1'-1 1/4" (337)	1'-2" (356)	9 1/4" (235)	ATETD48
4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	
5'-0" (1524)	5'-4" (1626)	5'-8" (1728)	
54 11/16" (1390)	59 1/16" (1499)	63 3/16" (1604)	
1'-2" (356)	1'-2 3/4" (375)	10" (254)	ATETD50
1'-3 1/2" (394)	10 3/4" (273)		ATETD54
1'-3 1/2" (394)	1'-4 1/4" (413)	11 1/2" (292)	ATETD58
5'-11 1/4" (1810)	6'-3 1/4" (1911)	6'-7 1/4" (2013)	
6'-0" (1828)	6'-4" (1930)	6'-8" (2033)	
66 13/16" (1696)	70 13/16" (1799)	75 1/8" (1907)	
1'-4 1/8" (410)	1'-4 7/8" (429)	12 1/8" (308)	ATETD60
1'-5 5/8" (448)	12 7/8" (327)		ATETD64
1'-5 5/8" (448)	1'-6 3/8" (467)	13 5/8" (346)	ATETD68
6'-11 1/4" (2115)	7'-3 1/4" (2216)		
7'-0" (2134)	7'-4" (2235)		
79 3/16" (2011)	82 7/8" (2105)		
1'-6 3/8" (467)	1'-7 1/8" (486)	14 3/8" (365)	ATETD70
1'-7" (483)	1'-7 3/4" (502)	15" (381)	ATETD74
7'-10 7/16" (2399)	7'-11 1/4" (2419)		
7'-11" (2413)	8'-0" (2438)		
90 1/16" (2288)	90 7/8" (2309)		
1'-8 3/8" (518)	1'-9 1/8" (537)	16 3/8" (416)	ATETD711
1'-8 1/2" (521)	1'-9 1/4" (540)	16 1/2" (419)	ATETD80
8'-10 7/16" (2704)			
8'-11" (2718)			
102 1/8" (2594)			
1'-10 1/2" (572)	1'-11 1/4" (591)	18 1/2" (470)	ATETD811

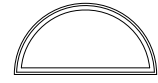


**Custom-size windows are available in 1/8" (3) increments.**

Contact your Andersen supplier for more information.



Direct-Set Half Circle



Sash-Set Half Circle



Direct-Set Elliptical



Sash-Set Elliptical

**Direct-set half circle (ATCTD) and (ATETD) elliptical window sizes shown.** Use window and minimum rough opening dimensions shown for sash-set half circle (ATCT) and elliptical (ATET) window sizes. For sash-set unobstructed glass dimensions, see page 82-83.

Details shown on page 115.

Grille patterns shown on page 77.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.

# SPECIALTY WINDOWS

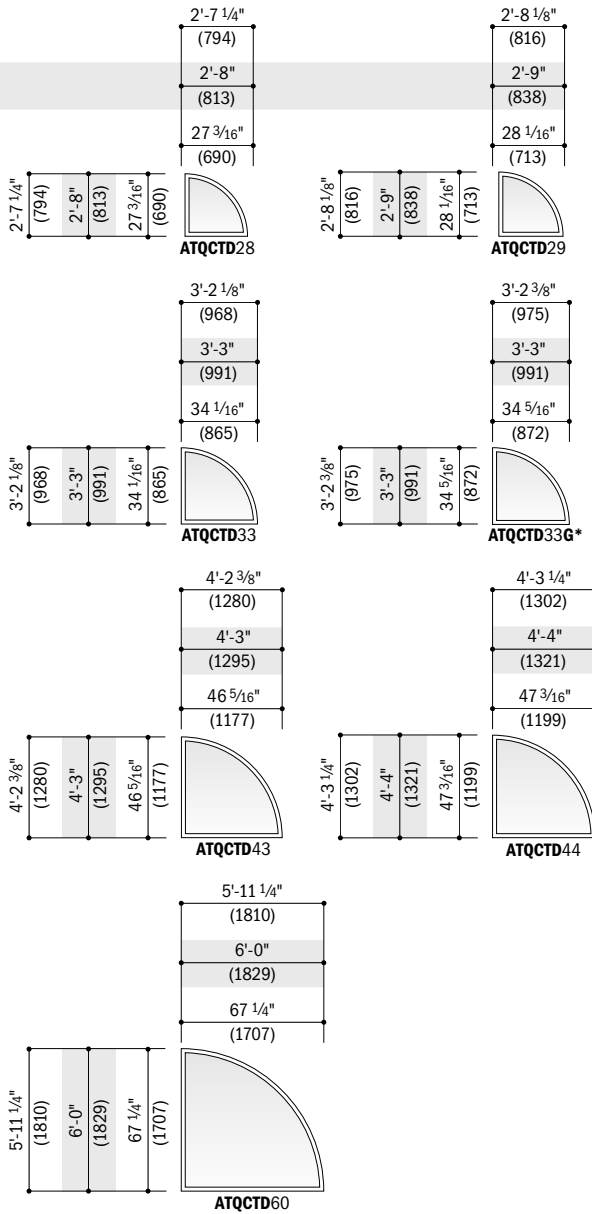
**Table of Direct-Set Quarter Circle Window Sizes**

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on the next page also apply to this page.

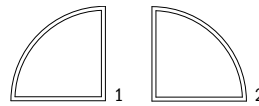
Window Dimension	1'-11 1/4"	2'-0 1/8"	2'-3 1/4"	2'-5 1/4"	2'-6 1/8"
Minimum Rough Opening	2'-0"	2'-1"	2'-4"	2'-6"	2'-7"
Unobstructed Glass	19 3/16"	20 1/16"	23 3/16"	25 3/16"	26 1/16"
	1'-11 1/4" (591)	2'-0 1/8" (613)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-6 1/8" (765)
	2'-0" (610)	2'-1" (635)	2'-4" (711)	2'-6" (762)	2'-7" (787)
	19 3/16" (487)	20 1/16" (509)	23 3/16" (589)	25 3/16" (639)	26 1/16" (662)
	ATQCTD20	ATQCTD21	ATQCTD24	ATQCTD26	ATQCTD27
	2'-8 3/8"	2'-9 1/4"	2'-11 1/4"	3'-0 1/8"	3'-1 1/4"
	2'-9"	2'-10"	3'-0"	3'-1"	3'-2"
	28 5/16"	29 3/16"	31 3/16"	32 1/16"	33 3/16"
	(719)	(741)	(792)	(814)	(843)
	ATQCTD29G*	ATQCTD210	ATQCTD30	ATQCTD31	ATQCTD32
	2'-8 3/8" (822)	2'-9 1/4" (845)	2'-11 1/4" (895)	3'-0 1/8" (918)	3'-1 1/4" (946)
	2'-9" (838)	2'-10" (864)	3'-0" (914)	3'-1" (940)	3'-2" (965)
	28 5/16" (719)	29 3/16" (741)	31 3/16" (792)	32 1/16" (814)	33 3/16" (843)
	ATQCTD34	ATQCTD36	ATQCTD38	ATQCTD39	ATQCTD40
	3'-3 1/4"	3'-5 1/4"	3'-7 1/4"	3'-8 3/8"	3'-11 1/4"
	3'-4"	3'-6"	3'-8"	3'-9"	4'-0"
	35 3/16"	37 3/16"	39 3/16"	40 5/16"	43 3/16"
	(894)	(945)	(996)	(1024)	(1097)
	ATQCTD34	ATQCTD36	ATQCTD38	ATQCTD39	ATQCTD40
	3'-3 1/4" (997)	3'-5 1/4" (1048)	3'-7 1/4" (1099)	3'-8 3/8" (1127)	3'-11 1/4" (1200)
	3'-4" (1016)	3'-6" (1067)	3'-8" (1118)	3'-9" (1143)	4'-0" (1219)
	35 3/16" (894)	37 3/16" (945)	39 3/16" (996)	40 5/16" (1024)	43 3/16" (1097)
	ATQCTD34	ATQCTD36	ATQCTD38	ATQCTD39	ATQCTD40
	4'-7 1/4"	4'-11 1/4"	5'-3 1/4"	5'-7 1/4"	
	4'-8"	5'-0"	5'-4"	5'-8"	
	51 1/4"	55 1/4"	59 1/4"	63 1/4"	
	(1301)	(1402)	(1504)	(1606)	
	ATQCTD48	ATQCTD50	ATQCTD54	ATQCTD58	
	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	
	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	
	51 1/4" (1301)	55 1/4" (1402)	59 1/4" (1504)	63 1/4" (1606)	
	ATQCTD48	ATQCTD50	ATQCTD54	ATQCTD58	
	6'-3 1/4"	6'-7 1/4"	6'-11 1/4"		
	6'-4"	6'-8"	7'-0"		
	71 1/4"	75 1/4"	79 1/4"		
	(1809)	(1911)	(2012)		
	ATQCTD64	ATQCTD68	ATQCTD70		
	6'-3 1/4" (1911)	6'-7 1/4" (2013)	6'-11 1/4" (2115)		
	6'-4" (1930)	6'-8" (2032)	7'-0" (2134)		
	71 1/4" (1809)	75 1/4" (1911)	79 1/4" (2012)		
	ATQCTD64	ATQCTD68	ATQCTD70		
	6'-6 1/4" (1911)	6'-8" (2032)	6'-11 1/4" (2115)		
	6'-6" (1930)	6'-8" (2032)	7'-0" (2134)		
	71 1/4" (1809)	75 1/4" (1911)	79 1/4" (2012)		
	ATQCTD64	ATQCTD68	ATQCTD70		

• "Window Dimension" always refers to outside frame to frame dimension.  
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.  
 • Dimensions in parentheses are in millimeters.  
 • \*Sized to fit over A-Series Frenchwood® Single-Panel Stationary Gliding Patio Door.

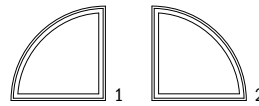


Custom-size windows are available in 1/8" (3) increments.

Contact your Andersen supplier for more information.



Direct-Set Quarter Circle



Sash-Set Quarter Circle

**Direct-set (ATQCTD) window sizes shown.** Choose left facing (1) or right facing (2) as viewed from the exterior.

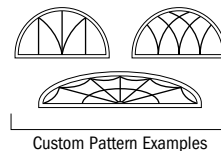
Use window and minimum rough opening dimensions shown for sash-set (**ATQCT**) window sizes. For sash-set unobstructed glass dimensions, see page 83.

Details shown on page 115.

### Grille Patterns

	Colonial	Renaissance	Sunburst
Half Circle			
Quarter Circle			
Elliptical			

**Number of lights and overall pattern varies with window size. Patterns are not available in all configurations.** Specified equal light and custom patterns are also available. For more information on divided light, see pages 12-13 or visit [andersenwindows.com/grilles](http://andersenwindows.com/grilles).



- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- Sized to fit over A-Series Frenchwood® Single-Panel Stationary Gliding Patio Door.

# SPECIALTY WINDOWS

**Table of Direct-Set Unequal Leg Arch Window Sizes**

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on the next page also apply to this page.

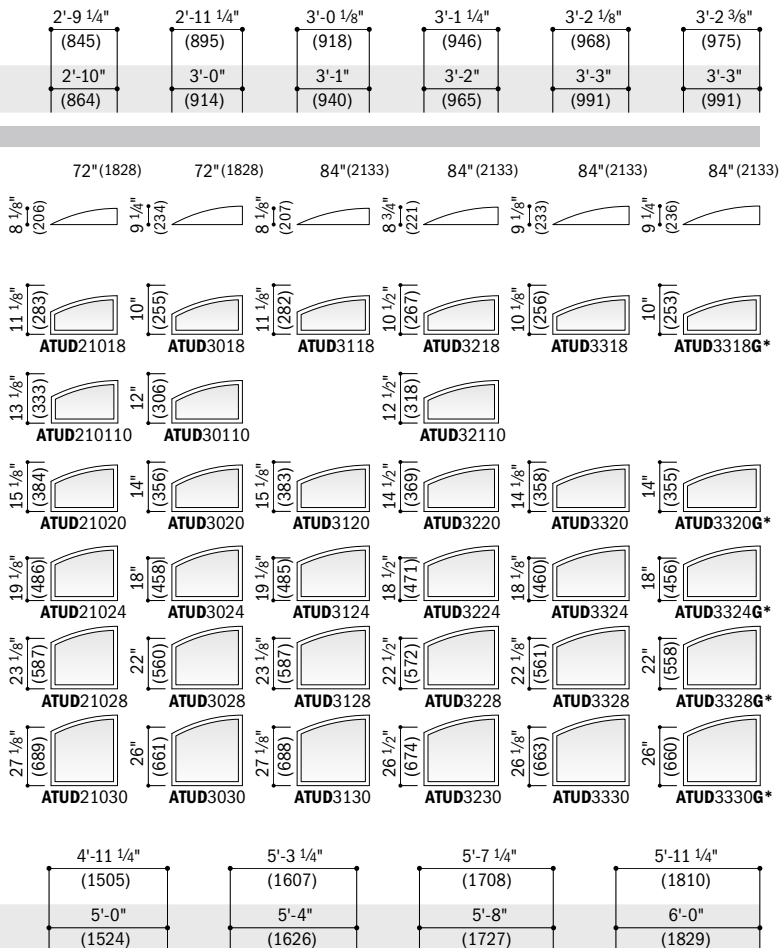
Window Dimension	1'-3 1/4" (387)	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-0 1/8" (613)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-6 1/8" (765)	2'-7 1/4" (794)	2'-8 1/8" (816)	2'-8 3/8" (822)
Minimum Rough Opening	1'-4" (406)	1'-8" (508)	2'-0" (610)	2'-1" (635)	2'-4" (711)	2'-6" (762)	2'-7" (787)	2'-8" (813)	2'-9" (838)	2'-9" (838)

		CUSTOM SIZES AVAILABLE										
		36" (914)	42" (1067)	48" (1219)	60" (1524)	60" (1524)	60" (1524)	66" (1676)	66" (1676)	66" (1676)	66" (1676)	
		Radius	Chord Height									
		3 3/8" (86)	4 5/8" (118)	6" (152)	5 1/16" (129)	6 1/2" (166)	7 5/8" (194)	7 1/4" (185)	7 1/8" (181)	8 3/8" (212)	8 1/2" (216)	
Window Dimension	Minimum Rough Opening	Shoulder Height										
		1'-7 1/4" (489)	1'-7 1/4" (489)	1'-8" (508)	1'-11 1/4" (591)	2'-0 1/8" (613)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-6 1/8" (765)	2'-7 1/4" (794)	2'-8 1/8" (816)	2'-8 3/8" (822)
		1'-9 1/4" (437)	1'-9 1/4" (437)	1'-10" (559)	1'-11 1/4" (591)	2'-0" (610)	2'-3 1/4" (692)	2'-4" (711)	2'-7 1/4" (794)	2'-8" (813)	2'-8 1/8" (816)	2'-8 3/8" (822)
		1'-11 1/4" (591)	1'-11 1/4" (591)	2'-0" (610)	2'-3 1/4" (692)	2'-4" (711)	2'-7 1/4" (794)	2'-8" (813)	2'-8 1/8" (816)	2'-8 3/8" (822)	2'-9" (838)	2'-9" (838)
		2'-3 1/4" (692)	2'-3 1/4" (692)	2'-4" (711)	2'-7 1/4" (794)	2'-8" (813)	2'-8 1/8" (816)	2'-8 3/8" (822)	2'-9" (838)	2'-9" (838)	2'-9" (838)	2'-9" (838)
		2'-11 1/4" (895)	2'-11 1/4" (895)	3'-0" (914)	3'-0" (914)	3'-0" (914)	3'-0" (914)	3'-0" (914)	3'-0" (914)	3'-0" (914)	3'-0" (914)	3'-0" (914)
		15 7/8" (403)	14 5/8" (371)	13 1/4" (337)	14 3/16" (360)	12 3/4" (323)	11 5/8" (295)	12" (304)	12 1/8" (308)	10 7/8" (277)	10 3/4" (273)	
		ATUD1418	ATUD1818	ATUD2018	ATUD2118	ATUD2418	ATUD2618	ATUD2718	ATUD2818	ATUD2918	ATUD2918G*	
		17 7/8" (454)	16 5/8" (421)	15 1/4" (387)		14 3/4" (374)	13 5/8" (346)		14 1/8" (359)			
		ATUD14110	ATUD18110	ATUD20110		ATUD24110	ATUD26110		ATUD28110			
		19 7/8" (505)	18 5/8" (472)	17 1/4" (438)	18 3/16" (462)	16 3/4" (425)	15 5/8" (397)	16" (406)	16 1/8" (410)	14 7/8" (379)	14 3/4" (375)	
		ATUD1420	ATUD1820	ATUD2020	ATUD2120	ATUD2420	ATUD2620	ATUD2720	ATUD2820	ATUD2920	ATUD2920G*	
		23 7/8" (606)	22 5/8" (574)	21 1/4" (540)	22 3/16" (564)	20 3/4" (526)	19 5/8" (498)	20" (507)	20 1/8" (511)	18 7/8" (480)	18 3/4" (476)	
		ATUD1424	ATUD1824	ATUD2024	ATUD2124	ATUD2424	ATUD2624	ATUD2724	ATUD2824	ATUD2924	ATUD2924G*	
		27 7/8" (708)	26 5/8" (675)	25 1/4" (641)	26 3/16" (665)	24 3/4" (628)	23 5/8" (600)	24" (609)	24 1/8" (613)	22 7/8" (582)	22 3/4" (578)	
		ATUD1428	ATUD1828	ATUD2028	ATUD2128	ATUD2428	ATUD2628	ATUD2728	ATUD2828	ATUD2928	ATUD2928G*	
		31 7/8" (810)	30 5/8" (777)	29 1/4" (743)	30 3/16" (767)	28 3/4" (729)	27 5/8" (702)	28" (710)	28 1/8" (714)	26 7/8" (683)	26 3/4" (679)	
		ATUD1430	ATUD1830	ATUD2030	ATUD2130	ATUD2430	ATUD2630	ATUD2730	ATUD2830	ATUD2930	ATUD2930G*	

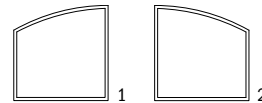
		CUSTOM SIZES AVAILABLE						
		84" (2133)	96" (2438)	96" (2438)	96" (2438)	108" (2743)	108" (2743)	120" (3048)
		Radius	Chord Height					
		9 3/4" (247)	10 1/4" (261)	10 7/8" (276)	12 1/16" (316)	12 1/2" (317)	12 15/16" (329)	13 1/2" (342)
Window Dimension	Minimum Rough Opening	Shoulder Height						
		3'-3 1/4" (997)	3'-7 1/4" (1099)	3'-8 3/8" (1127)	3'-11 1/4" (1200)	4'-2 3/8" (1280)	4'-3 1/4" (1302)	4'-7 1/4" (1403)
		3'-4" (1016)	3'-8" (1118)	3'-9" (1143)	4'-0" (1219)	4'-3" (1295)	4'-4" (1321)	4'-8" (1422)
		1'-7 1/4" (489)	1'-7 1/4" (489)	1'-8" (508)	1'-11 1/4" (591)	2'-0 1/8" (613)	2'-3 1/4" (692)	2'-5 1/4" (743)
		1'-9 1/4" (437)	1'-9 1/4" (437)	1'-10" (559)	1'-11 1/4" (591)	2'-0" (610)	2'-3 1/4" (692)	2'-4" (711)
		2'-3 1/4" (692)	2'-3 1/4" (692)	2'-4" (711)	2'-7 1/4" (794)	2'-8" (813)	2'-8 1/8" (816)	2'-8 3/8" (822)
		9 1/2" (242)	9" (228)	8 3/8" (213)				
		ATUD3418	ATUD3818	ATUD3918				
		11 1/2" (293)	11" (279)		8 13/16" (224)			
		ATUD34110	ATUD38110		ATUD40110			
		13 1/2" (344)	13" (329)	12 3/8" (314)	10 13/16" (275)	10 3/4" (274)	10 5/16" (262)	
		ATUD3420	ATUD3820	ATUD3920	ATUD4020	ATUD4320	ATUD4420	
		17 1/2" (445)	17" (431)	16 3/8" (416)	14 13/16" (376)	14 3/4" (375)	14 5/16" (364)	
		ATUD3424	ATUD3824	ATUD3924	ATUD4024	ATUD4324	ATUD4424	
		21 1/2" (547)	21" (533)	20 3/8" (518)	18 13/16" (478)	18 3/4" (477)	18 5/16" (465)	
		ATUD3428	ATUD3828	ATUD3928	ATUD4028	ATUD4328	ATUD4428	
		25 1/2" (648)	25" (634)	24 3/8" (619)	22 13/16" (579)	22 3/4" (579)	22 5/16" (567)	
		ATUD3430	ATUD3830	ATUD3930	ATUD4030	ATUD4330	ATUD4430	
							21 3/4" (553)	
							ATUD4810	
							ATUD4820	
							ATUD4824	
							ATUD4828	
							ATUD4830	

• "Window Dimension" always refers to outside frame to frame dimension.  
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.  
 • Dimensions in parentheses are in millimeters.  
 \*Sized to fit over A-Series Frenchwood® Single-Panel Stationary Gliding Patio Door.

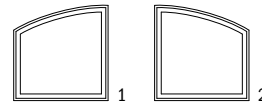




Custom-size windows are available in 1/8" (3) increments. Contact your Andersen supplier for more information.



Direct-Set Unequal Leg Arch



Sash-Set Unequal Leg Arch

**Direct-set (ATUD) window sizes shown.** Choose left facing (1) or right facing (2) as viewed from the exterior. Use window and minimum rough opening dimensions shown for sash-set (ATU) window sizes. For sash-set unobstructed glass dimensions, see page 82.

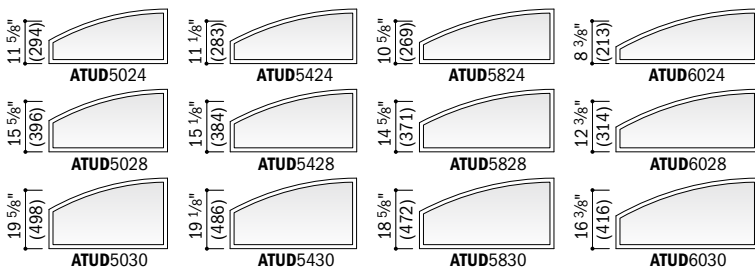
Details shown on page 115.

### Grille Patterns

	Colonial	Renaissance	Sunburst
Unequal Leg Arch			

**Number of lights and overall pattern varies with window size.**

**Patterns are not available in all configurations.** Specified equal light and custom patterns are also available. For more information on divided light, see pages 12-13 or visit [andersenwindows.com/grilles](http://andersenwindows.com/grilles).



- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- Sized to fit over A-Series Frenchwood® Single-Panel Stationary Gliding Patio Door.

# SPECIALTY WINDOWS

## Table of Direct-Set Octagon Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-11 1/4" (895)	3'-11 1/4" (1200)	5'-11 1/4" (1810)
<b>Minimum Rough Opening</b>	2'-0" (610)	2'-4" (711)	3'-0" (914)	4'-0" (1219)	6'-0" (1829)
Unobstructed Glass	19 1/4" (489)	23 1/4" (591)	31 1/4" (794)	43 1/4" (1099)	67 1/4" (1708)

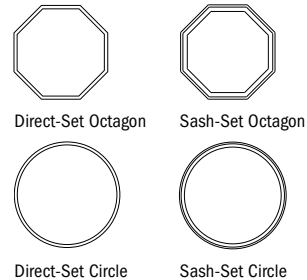


**Custom-size octagon and circle windows are available in 1/8" (3) increments.** Contact your Andersen supplier for more information. Oval windows are not available in custom sizes.

## Table of Direct-Set Circle Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-11 1/4" (895)	3'-11 1/4" (1200)	5'-11 1/4" (1810)
<b>Minimum Rough Opening</b>	2'-0" (610)	2'-4" (711)	3'-0" (914)	4'-0" (1219)	6'-0" (1829)
Unobstructed Glass	19 1/4" (489)	23 1/4" (591)	31 1/4" (794)	43 1/4" (1099)	67 1/4" (1708)

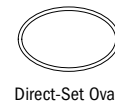
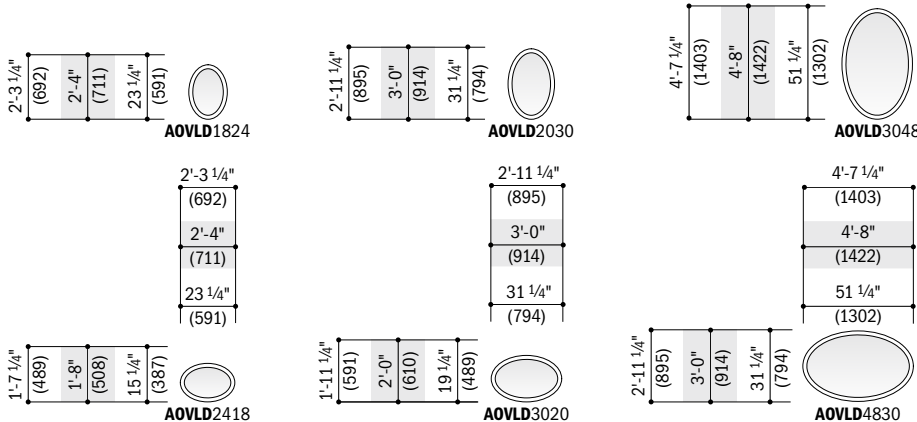


**Direct-set octagon (ATOCD) and circle (ACRD) window sizes shown.** Use window and minimum rough opening dimensions shown for sash-set octagon (ATOC) and sash-set circle (ACR) window sizes. For sash-set unobstructed glass dimensions, see page 83.

## Table of Direct-Set Oval Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-11 1/4" (895)
<b>Minimum Rough Opening</b>	1'-8" (508)	2'-0" (610)	3'-0" (914)
Unobstructed Glass	15 1/4" (387)	19 1/4" (489)	31 1/4" (794)

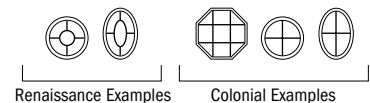


Direct-Set Oval

Oval windows are available direct-set only and can be installed either vertically or horizontally.

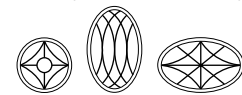
Details shown on page 115.

Grille patterns are available in Renaissance, colonial, sunburst, specified equal light and custom patterns. For more information on divided light, see pages 12-13 or visit [andersenwindows.com/grilles](http://andersenwindows.com/grilles).



Renaissance Examples

Colonial Examples



Custom Pattern Examples

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.

**Direct-Set Half Circle Window Area Specifications**

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATCTD20	0.75 (0.07)
ATCTD21	0.83 (0.08)
ATCTD24	1.15 (0.11)
ATCTD26	1.39 (0.13)
ATCTD27	1.50 (0.14)
ATCTD28	1.65 (0.15)
ATCTD29	1.77 (0.16)
ATCTD29G	1.80 (0.17)
ATCTD210	1.93 (0.18)
ATCTD30	2.23 (0.21)
ATCTD31	2.37 (0.22)
ATCTD32	2.55 (0.24)
ATCTD33	2.70 (0.25)
ATCTD33G	2.75 (0.26)
ATCTD34	2.90 (0.27)
ATCTD38	3.66 (0.34)
ATCTD39	3.89 (0.36)
ATCTD40	4.50 (0.42)
ATCTD43	5.22 (0.49)
ATCTD44	5.43 (0.50)
ATCTD48	6.45 (0.60)
ATCTD50	7.56 (0.70)
ATCTD54	8.75 (0.81)
ATCTD58	10.03 (0.93)
ATCTD60	11.40 (1.06)
ATCTD64	12.86 (1.19)
ATCTD68	14.40 (1.34)
ATCTD70	16.03 (1.49)

**Direct-Set Elliptical Window Area Specifications**

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATETD40	1.69 (0.16)
ATETD44	2.01 (0.19)
ATETD48	2.57 (0.24)
ATETD50	2.86 (0.27)
ATETD54	3.41 (0.32)
ATETD58	3.98 (0.37)
ATETD60	4.27 (0.40)
ATETD64	4.82 (0.45)
ATETD68	5.60 (0.52)
ATETD70	6.26 (0.58)
ATETD74	6.62 (0.62)
ATETD711	7.92 (0.74)
ATETD80	8.00 (0.74)
ATETD811	10.13 (0.94)

**Direct-Set Quarter Circle Window Area Specifications**

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATQCTD20	1.90 (0.18)
ATQCTD21	2.08 (0.19)
ATQCTD24	2.80 (0.26)
ATQCTD26	3.32 (0.31)
ATQCTD27	3.56 (0.33)
ATQCTD28	3.88 (0.36)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATQCTD29	4.14 (0.38)
ATQCTD29G	4.22 (0.39)
ATQCTD210	4.49 (0.42)
ATQCTD30	5.13 (0.48)
ATQCTD31	5.43 (0.50)
ATQCTD32	5.83 (0.54)
ATQCTD33	6.14 (0.57)
ATQCTD33G	6.23 (0.58)
ATQCTD34	6.56 (0.61)
ATQCTD36	7.34 (0.68)
ATQCTD38	8.16 (0.76)
ATQCTD39	8.64 (0.80)
ATQCTD40	9.94 (0.92)
ATQCTD43	11.45 (1.06)
ATQCTD44	11.89 (1.10)
ATQCTD48	14.01 (1.30)
ATQCTD50	16.31 (1.52)
ATQCTD54	18.79 (1.75)
ATQCTD58	21.44 (1.99)
ATQCTD60	24.26 (2.25)
ATQCTD64	27.26 (2.53)
ATQCTD68	30.43 (2.83)
ATQCTD70	33.78 (3.14)

**Direct-Set Octagon Window Area Specifications**

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATOCD20	2.13 (0.20)
ATOCD24	3.11 (0.29)
ATOCD30	5.62 (0.52)
ATOCD40	10.76 (1.00)
ATOCD60	26.02 (2.42)

**Direct-Set Circle & Oval Window Area Specifications**

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ACRD20	2.02 (0.19)
ACRD24	2.95 (0.27)
ACRD30	5.33 (0.49)
ACRD40	10.20 (0.95)
ACRD60	24.67 (2.29)
AOVLD1824/AOVLD2418	1.93 (0.18)
AOVLD2030/AOVLD3020	3.27 (0.30)
AOVLD3048/AOVLD4830	8.71 (0.81)

**Direct-Set Unequal Leg Arch Window Area Specifications**

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATUD1418	1.11 (0.10)
ATUD14110	1.27 (0.12)
ATUD1420	1.42 (0.13)
ATUD1424	1.74 (0.16)
ATUD1428	2.05 (0.19)
ATUD1430	2.36 (0.22)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATUD1818	1.46 (0.14)
ATUD18110	1.67 (0.16)
ATUD1820	1.89 (0.18)
ATUD1824	2.31 (0.21)
ATUD1828	2.73 (0.25)
ATUD1830	3.16 (0.29)
ATUD2018	1.79 (0.17)
ATUD20110	2.06 (0.19)
ATUD2020	2.32 (0.22)
ATUD2024	2.86 (0.27)
ATUD2028	3.39 (0.32)
ATUD2030	3.93 (0.36)
ATUD2118	1.91 (0.18)
ATUD2120	2.47 (0.23)
ATUD2124	3.03 (0.28)
ATUD2128	3.59 (0.33)
ATUD2130	4.15 (0.39)
ATUD2418	2.13 (0.20)
ATUD24110	2.45 (0.23)
ATUD2420	2.78 (0.26)
ATUD2424	3.42 (0.32)
ATUD2428	4.07 (0.38)
ATUD2430	4.71 (0.44)
ATUD2618	2.26 (0.21)
ATUD26110	2.61 (0.24)
ATUD2620	2.96 (0.27)
ATUD2624	3.66 (0.34)
ATUD2628	4.36 (0.41)
ATUD2630	5.06 (0.47)
ATUD2718	2.35 (0.22)
ATUD2720	3.08 (0.29)
ATUD2724	3.80 (0.35)
ATUD2728	4.53 (0.42)
ATUD2730	5.25 (0.49)
ATUD2818	2.42 (0.22)
ATUD28110	2.80 (0.26)
ATUD2820	3.18 (0.29)
ATUD2824	3.93 (0.37)
ATUD2828	4.69 (0.44)
ATUD2830	5.45 (0.51)
ATUD2918	2.47 (0.23)
ATUD2920	3.25 (0.30)
ATUD2924	4.03 (0.37)
ATUD2928	4.81 (0.45)
ATUD2930	5.59 (0.52)
ATUD2918G	2.48 (0.23)
ATUD2920G	3.27 (0.30)
ATUD2924G	4.06 (0.38)
ATUD2928G	4.84 (0.45)
ATUD2930G	5.63 (0.52)
ATUD21018	2.58 (0.24)
ATUD210110	2.98 (0.28)
ATUD21020	3.39 (0.31)
ATUD21024	4.20 (0.39)
ATUD21028	5.01 (0.47)
ATUD21030	5.83 (0.54)
ATUD3018	2.68 (0.25)
ATUD30110	3.11 (0.29)
ATUD3020	3.55 (0.33)
ATUD3024	4.42 (0.41)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATUD3028	5.28 (0.49)
ATUD3030	6.15 (0.57)
ATUD3118	2.83 (0.26)
ATUD3120	3.72 (0.35)
ATUD3124	4.61 (0.43)
ATUD3128	5.50 (0.51)
ATUD3130	6.40 (0.59)
ATUD3218	2.88 (0.27)
ATUD32110	3.35 (0.31)
ATUD3220	3.81 (0.35)
ATUD3224	4.73 (0.44)
ATUD3228	5.66 (0.53)
ATUD3230	6.58 (0.61)
ATUD3318	2.93 (0.27)
ATUD3320	3.88 (0.36)
ATUD3324	4.82 (0.45)
ATUD3328	5.77 (0.54)
ATUD3330	6.72 (0.62)
ATUD3318G	2.94 (0.27)
ATUD3320G	3.89 (0.36)
ATUD3324G	4.85 (0.45)
ATUD3328G	5.80 (0.54)
ATUD3330G	6.76 (0.63)
ATUD3418	2.98 (0.28)
ATUD34110	3.47 (0.32)
ATUD3420	3.96 (0.37)
ATUD3424	4.94 (0.46)
ATUD3428	5.92 (0.55)
ATUD3430	6.90 (0.64)
ATUD3818	3.27 (0.30)
ATUD38110	3.81 (0.35)
ATUD3820	4.36 (0.40)
ATUD3824	5.45 (0.51)
ATUD3828	6.54 (0.61)
ATUD3830	7.63 (0.71)
ATUAD3918	3.31 (0.31)
ATUAD3920	4.43 (0.41)
ATUAD3924	5.55 (0.52)
ATUAD3928	6.67 (0.62)
ATUAD3930	7.79 (0.72)
ATUAD40110	4.00 (0.37)
ATUAD4020	4.60 (0.43)
ATUAD4024	5.80 (0.54)
ATUAD4028	7.00 (0.65)
ATUAD4030	8.20 (0.76)
ATUAD4318	4.92 (0.46)
ATUAD4320	6.21 (0.58)
ATUAD4324	7.50 (0.70)
ATUAD4328	8.79 (0.82)
ATUAD44110	4.31 (0.40)
ATUAD4420	4.97 (0.46)
ATUAD4424	6.28 (0.58)
ATUAD4428	7.59 (0.71)
ATUAD4430	8.90 (0.83)
ATUAD48110	4.61 (0.43)
ATUAD4820	5.32 (0.49)
ATUAD4824	6.74 (0.63)
ATUAD4828	8.17 (0.76)
ATUAD4830	9.59 (0.89)

• Dimensions in parentheses are in square meters.

continued on next page

# SPECIALTY WINDOWS

## Direct-Set Unequal Leg Arch Window Area Specifications *(continued)*

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATUAD5024	7.01 (0.65)
ATUAD5028	8.54 (0.79)
ATUAD5030	10.08 (0.94)
ATUAD5424	7.45 (0.69)
ATUAD5428	9.09 (0.84)
ATUAD5430	10.74 (1.00)
ATUAD5824	7.87 (0.73)
ATUAD5828	9.63 (0.89)
ATUAD5830	11.38 (1.06)
ATUAD6024	8.05 (0.75)
ATUAD6028	9.91 (0.92)
ATUAD6030	11.78 (1.09)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATU2128	2.80 (0.26)
ATU2130	3.28 (0.30)
ATU2418	1.51 (0.14)
ATU24110	1.80 (0.17)
ATU2420	2.09 (0.19)
ATU2424	2.66 (0.25)
ATU2428	3.23 (0.30)
ATU2430	3.80 (0.35)
ATU2618	1.61 (0.15)
ATU26110	1.92 (0.18)
ATU2620	2.24 (0.21)
ATU2624	2.86 (0.27)
ATU2628	3.49 (0.32)
ATU2630	4.12 (0.38)
ATU2718	1.69 (0.16)
ATU2720	2.34 (0.22)
ATU2724	2.99 (0.28)
ATU2728	3.64 (0.34)
ATU2730	4.30 (0.40)
ATU2818	1.74 (0.16)
ATU28110	2.08 (0.19)
ATU2820	2.42 (0.22)
ATU2824	3.10 (0.29)
ATU2828	3.79 (0.35)
ATU2830	4.47 (0.42)
ATU2918	1.77 (0.16)
ATU2920	2.48 (0.23)
ATU2924	3.19 (0.30)
ATU2928	3.89 (0.36)
ATU2930	4.60 (0.43)
ATU2918G	1.78 (0.17)
ATU2920G	2.50 (0.23)
ATU2924G	3.21 (0.30)
ATU2928G	3.92 (0.36)
ATU2930G	4.64 (0.43)
ATU21018	1.86 (0.17)
ATU210110	2.23 (0.21)
ATU21020	2.60 (0.24)
ATU21024	3.34 (0.31)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATU21028	4.08 (0.38)
ATU21030	4.82 (0.45)
ATU3018	1.93 (0.18)
ATU30110	2.33 (0.22)
ATU3020	2.73 (0.25)
ATU3024	3.52 (0.33)
ATU3028	4.32 (0.40)
ATU3030	5.11 (0.47)
ATU3118	2.06 (0.19)
ATU3120	2.88 (0.27)
ATU3124	3.70 (0.34)
ATU3128	4.51 (0.42)
ATU3130	5.33 (0.50)
ATU3218	2.10 (0.20)
ATU32110	2.53 (0.23)
ATU3220	2.95 (0.27)
ATU3224	3.80 (0.35)
ATU3228	4.65 (0.43)
ATU3230	5.50 (0.51)
ATU3318	2.13 (0.20)
ATU3320	3.00 (0.28)
ATU3324	3.88 (0.36)
ATU3328	4.75 (0.44)
ATU3330	5.63 (0.52)
ATU3318G	2.14 (0.20)
ATU3320G	3.02 (0.28)
ATU3324G	3.90 (0.36)
ATU3328G	4.78 (0.44)
ATU3330G	5.66 (0.53)
ATU3418	2.16 (0.20)
ATU34110	2.62 (0.24)
ATU3420	3.07 (0.29)
ATU3424	3.98 (0.37)
ATU3428	4.88 (0.45)
ATUA3430	5.79 (0.54)
ATUA3818	2.38 (0.22)
ATUA38110	2.89 (0.27)
ATUA3820	3.40 (0.32)
ATUA3824	4.42 (0.41)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATUA3828	5.43 (0.50)
ATUA3830	6.45 (0.60)
ATUA3918	2.41 (0.22)
ATUA3920	3.46 (0.32)
ATUA3924	4.50 (0.42)
ATUA3928	5.55 (0.52)
ATUA3930	6.60 (0.61)
ATUA40110	3.02 (0.28)
ATUA4020	3.58 (0.33)
ATUA4024	4.71 (0.44)
ATUA4028	5.84 (0.54)
ATUA4030	6.96 (0.65)
ATUA4318	3.85 (0.36)
ATUA4320	5.06 (0.47)
ATUA4324	6.28 (0.58)
ATUA4328	7.49 (0.70)
ATUA44110	3.26 (0.30)
ATUA4420	3.88 (0.36)
ATUA4424	5.12 (0.48)
ATUA4428	6.36 (0.59)
ATUA4430	7.60 (0.71)
ATUA48110	3.49 (0.32)
ATUA4820	4.17 (0.39)
ATUA4824	5.52 (0.51)
ATUA4828	6.87 (0.64)
ATUA4830	8.22 (0.76)
ATUA5024	5.72 (0.53)
ATUA5028	7.18 (0.67)
ATUA5030	8.64 (0.80)
ATUA5424	6.09 (0.57)
ATUA5428	7.66 (0.71)
ATUA5430	9.23 (0.86)
ATUA5824	6.45 (0.60)
ATUA5828	8.13 (0.76)
ATUA5830	9.81 (0.91)
ATUA6024	6.56 (0.61)
ATUA6028	8.36 (0.78)
ATUA6030	10.15 (0.94)

• Dimensions in parentheses are in square meters.

## Sash-Set Unequal Leg Arch Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATU1418	0.69 (0.06)
ATU14110	0.81 (0.08)
ATU1420	0.93 (0.09)
ATU1424	1.17 (0.11)
ATU1428	1.41 (0.13)
ATU1430	1.65 (0.15)
ATU1818	0.98 (0.09)
ATU18110	1.15 (0.11)
ATU1820	1.33 (0.12)
ATU1824	1.68 (0.16)
ATU1828	2.03 (0.19)
ATU1830	2.38 (0.22)
ATU2018	1.24 (0.12)
ATU20110	1.47 (0.14)
ATU2020	1.70 (0.16)
ATU2024	2.16 (0.20)
ATU2028	2.62 (0.24)
ATU2030	3.08 (0.29)
ATU2118	1.34 (0.12)
ATU2120	1.83 (0.17)
ATU2124	2.31 (0.21)

## Sash-Set Half Circle Window Unobstructed Glass Dimensions and Area Specifications

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATCT20	15 3/16" (386)	5" (126)	0.38 (0.04)
ATCT21	16 1/8" (410)	5 7/16" (137)	0.44 (0.04)
ATCT24	19 1/2" (495)	7" (177)	0.69 (0.06)
ATCT26	21 9/16" (548)	8" (202)	0.88 (0.08)
ATCT27	22 1/2" (572)	8 7/16" (214)	0.97 (0.09)
ATCT28	23 11/16" (601)	9" (228)	1.09 (0.10)
ATCT29	24 9/16" (624)	9 7/16" (239)	1.19 (0.11)
ATCT29G	24 13/16" (631)	9 9/16" (242)	1.22 (0.11)
ATCT210	25 1/8" (654)	10" (253)	1.32 (0.12)
ATCT30	27 13/16" (706)	11" (279)	1.57 (0.15)
ATCT31	28 11/16" (729)	11 7/16" (290)	1.69 (0.16)
ATCT32	29 7/8" (758)	12" (304)	1.85 (0.17)
ATCT33	30 3/4" (781)	12 1/16" (315)	1.98 (0.18)
ATCT33G	31" (788)	12 9/16" (318)	2.02 (0.19)

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATCT34	31 15/16" (810)	13" (329)	2.15 (0.20)
ATCT38	36" (914)	15" (380)	2.81 (0.26)
ATCT39	37 7/8" (943)	15 9/16" (395)	3.01 (0.28)
ATCT40	40 1/16" (1017)	17" (431)	3.56 (0.33)
ATCT43	43 3/16" (1098)	18 9/16" (471)	4.21 (0.39)
ATCT44	44 1/8" (1120)	19" (482)	4.40 (0.41)
ATCT48	48 7/8" (1223)	21" (533)	5.32 (0.49)
ATCT50	52 3/16" (1325)	23" (583)	6.33 (0.59)
ATCT54	56 3/16" (1428)	25" (634)	7.43 (0.69)
ATCT58	60 1/4" (1530)	27" (685)	8.62 (0.80)
ATCT60	64 1/4" (1632)	29" (736)	9.89 (0.92)
ATCT64	68 7/8" (1734)	31" (787)	11.25 (1.04)
ATCT68	72 5/16" (1836)	33" (837)	12.70 (1.18)
ATCT70	76 3/16" (1938)	35" (888)	14.23 (1.32)

## Sash-Set Elliptical Window Unobstructed Glass Dimensions and Area Specifications

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATET40	36 1/2" (927)	5 1/4" (133)	0.94 (0.09)
ATET44	40 3/4" (1035)	6" (152)	1.18 (0.11)
ATET48	46 7/16" (1179)	6 9/8" (167)	1.63 (0.15)
ATET50	50 5/8" (1286)	7 3/8" (187)	1.84 (0.17)
ATET54	55 1/2" (1410)	8 1/8" (206)	2.30 (0.21)
ATET58	60 1/16" (1525)	8 7/8" (225)	2.78 (0.26)
ATET60	63" (1601)	9 1/2" (241)	3.01 (0.28)
ATET64	67 1/8" (1705)	10 1/4" (260)	3.48 (0.32)
ATET68	71 7/8" (1826)	11" (279)	4.17 (0.39)
ATET70	76 1/8" (1934)	11 3/4" (298)	4.74 (0.44)
ATET74	79 3/8" (2016)	12 3/8" (314)	5.05 (0.47)
ATET711	86 11/16" (2201)	13 3/4" (348)	6.20 (0.58)
ATET80	87 1/2" (2222)	13 7/8" (352)	6.27 (0.58)
ATET811	98 13/16" (2509)	15 1/8" (402)	8.18 (0.76)

• Dimensions in parentheses are in millimeters or square meters.

### Sash-Set Quarter Circle Window Unobstructed Glass Dimensions and Area Specifications

Window Number	Unobstructed Glass Width Inches/mm	Unobstructed Glass Height Inches/mm	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATQCT20	16 5/16" (414)	16 5/16" (414)	1.33 (0.12)
ATQCT21	17 3/16" (437)	17 3/16" (437)	1.48 (0.14)
ATQCT24	20 3/8" (517)	20 3/8" (517)	2.10 (0.19)
ATQCT26	22 3/8" (568)	22 3/8" (568)	2.55 (0.24)
ATQCT27	23 1/4" (591)	23 1/4" (591)	2.76 (0.26)
ATQCT28	24 3/8" (620)	24 3/8" (620)	3.04 (0.28)
ATQCT29	25 1/4" (642)	25 1/4" (642)	3.27 (0.30)
ATQCT29G	25 1/2" (648)	25 1/2" (648)	3.34 (0.31)
ATQCT210	26 7/16" (671)	26 7/16" (671)	3.58 (0.33)
ATQCT30	28 7/16" (722)	28 7/16" (722)	4.16 (0.39)
ATQCT31	29 5/16" (744)	29 5/16" (744)	4.43 (0.41)
ATQCT32	30 7/16" (773)	30 7/16" (773)	4.79 (0.44)
ATQCT33	31 5/16" (795)	31 5/16" (795)	5.08 (0.47)
ATQCT33G	31 9/16" (802)	31 9/16" (802)	5.16 (0.48)
ATQCT34	32 7/16" (824)	32 7/16" (824)	5.46 (0.51)
ATQCT36	34 7/16" (875)	34 7/16" (875)	6.17 (0.57)
ATQCT38	36 7/16" (926)	36 7/16" (926)	6.93 (0.64)
ATQCT39	37 9/16" (955)	37 9/16" (955)	7.37 (0.68)
ATQCT40	40 7/16" (1028)	40 7/16" (1028)	8.57 (0.80)
ATQCT43	43 5/8" (1107)	43 5/8" (1107)	9.98 (0.93)
ATQCT44	44 1/2" (1130)	44 1/2" (1130)	10.39 (0.97)
ATQCT48	48 1/2" (1232)	48 1/2" (1232)	12.38 (1.15)
ATQCT50	52 1/2" (1333)	52 1/2" (1333)	14.55 (1.35)
ATQCT54	56 1/2" (1435)	56 1/2" (1435)	16.89 (1.57)
ATQCT58	60 1/2" (1537)	60 1/2" (1537)	19.41 (1.80)
ATQCT60	64 1/2" (1639)	64 1/2" (1639)	22.10 (2.05)
ATQCT64	68 1/2" (1740)	68 1/2" (1740)	24.97 (2.32)
ATQCT68	72 1/2" (1842)	72 1/2" (1842)	28.01 (2.60)
ATQCT70	76 1/2" (1944)	76 1/2" (1944)	31.22 (2.90)

### Sash-Set Octagon & Circle Window Unobstructed Glass Dimensions and Area Specifications

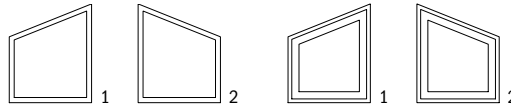
Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATOC20	16 5/8" (421)	16 5/8" (421)	1.58 (0.15)
ATOC24	20 5/8" (523)	20 5/8" (523)	2.44 (0.23)
ATOC30	28 5/8" (726)	28 5/8" (726)	4.70 (0.44)
ATOC40	40 5/8" (1031)	40 5/8" (1031)	9.48 (0.88)
ATOC60	64 5/8" (1641)	64 5/8" (1641)	24.00 (2.23)
ACR20	16 5/8" (421)	16 5/8" (421)	1.50 (0.14)
ACR24	20 5/8" (523)	20 5/8" (523)	2.31 (0.21)
ACR30	28 5/8" (726)	28 5/8" (726)	4.46 (0.41)
ACR40	40 5/8" (1031)	40 5/8" (1031)	8.99 (0.83)
ACR60	64 5/8" (1641)	64 5/8" (1641)	22.76 (2.11)

• Dimensions in parentheses are in millimeters or square meters.

### Custom Trapezoid Windows



Trapezoid windows are available in custom sizes in 1/8" (3) increments.



Direct-Set Trapezoid

Sash-Set Trapezoid

Available direct-set or sash-set. Choose left facing (1) or right facing (2) as viewed from the exterior.

### Design Criteria

Listed below are some factors that must be considered when deciding on a custom-size trapezoid window.

#### Minimum and Maximum Limits

Trapezoid windows may be assembled in custom sizes with these limitations:

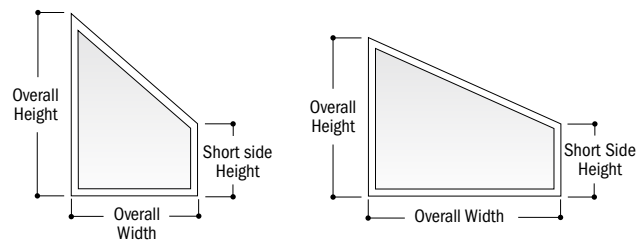
**MAXIMUM FRAME AREA 65 sq. ft. or 6.04 m<sup>2</sup> for Low-E4<sup>®</sup> tempered glass**

**Square footage is based on a square or rectangular shape**

**For direct-set windows, no side may be less than 6" (152) and is dependent on slope**

**For sash-set windows, no side may be less than 8 1/2" (216) and is dependent on slope**

**Minimum cut angle is 12<sup>°</sup>**



Specify overall width at sill, overall height, and short side height.

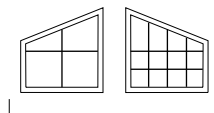
Slope is often designed to match a roof's pitch. Contact your Andersen supplier for more information.

Details shown on page 115.

Grille patterns are available in custom patterns.

For more information on divided light, see pages 12-13

or visit [andersenwindows.com/grilles](http://andersenwindows.com/grilles).



Custom Examples

# SPECIALTY WINDOWS

**Table of Direct-Set Arch Window Sizes**

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on page 89 also apply to this page.

Window Dimension	1'-11 1/4" (591)	2'-0 1/8" (613)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-6 1/8" (765)	2'-7 1/4" (794)	2'-8 1/8" (816)	2'-8 3/8" (822)	2'-9 1/4" (845)
<b>Minimum Rough Opening</b>	2'-0" (610)	2'-1" (635)	2'-4" (711)	2'-6" (762)	2'-7" (787)	2'-8" (813)	2'-9" (838)	2'-9" (838)	2'-10" (864)
Unobstructed Glass	19 1/4" (489)	20 1/8" (511)	23 1/4" (591)	25 1/4" (641)	26 1/8" (664)	27 1/4" (692)	28 1/8" (714)	28 3/8" (721)	29 1/4" (743)

**CUSTOM SIZES AVAILABLE**

Minimum Rough Opening = window height + 3/4" (19)

Unobstructed Glass = window height - 4" (102)

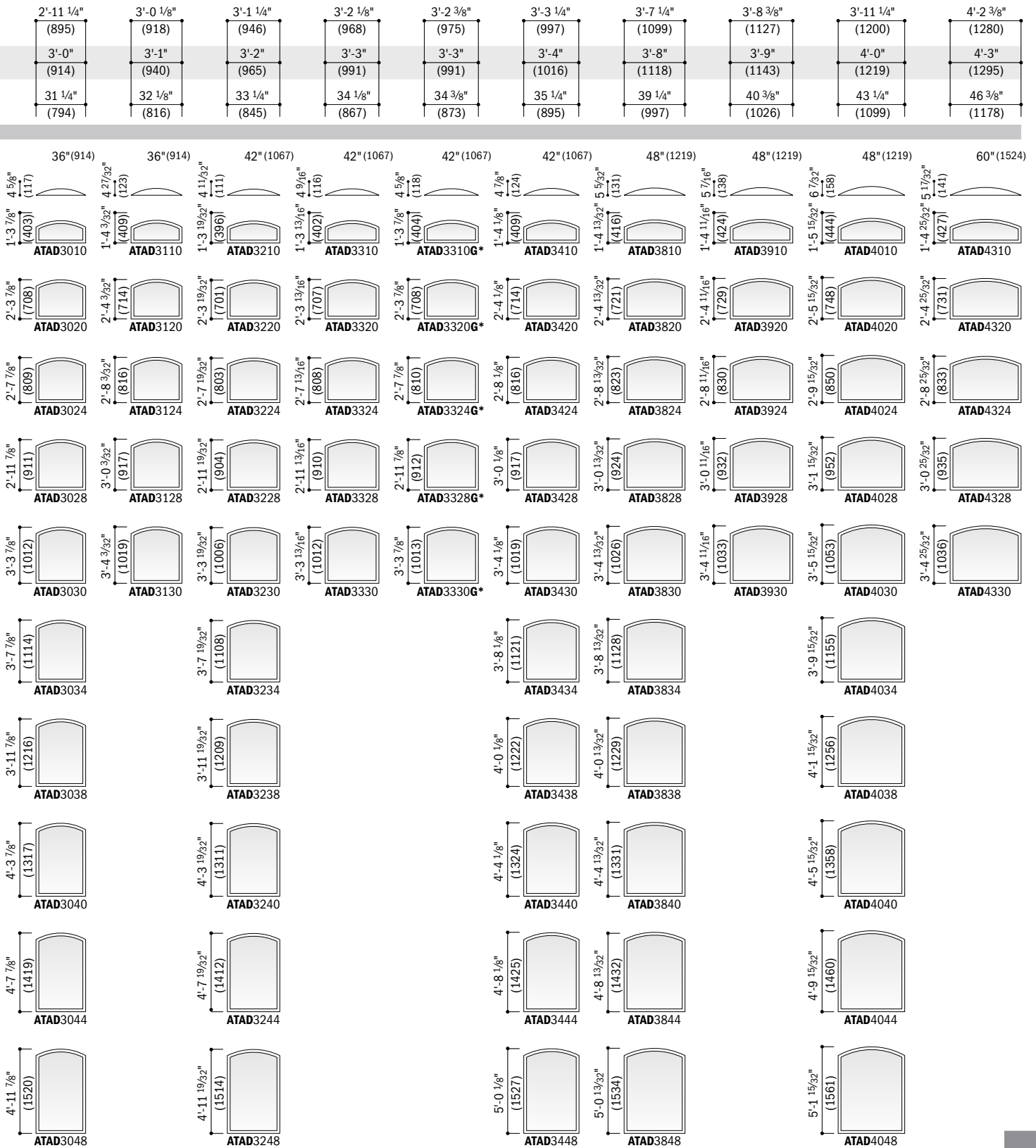
CUSTOM SIZES AVAILABLE

Window height shown in table	Radius	24" (610)	30" (762)	30" (762)	30" (762)	36" (914)	36" (914)	36" (914)	36" (914)	36" (914)
	Chord Height	3" (76)	2 17/32" (64)	3 9/32" (83)	3 13/16" (97)	3 5/16" (84)	3 9/16" (91)	3 25/32" (96)	3 27/32" (98)	4 1/16" (103)
	Shoulder Height	11 1/4" (286)	1'-1 25/32" (350)	1'-2 17/32" (369)	1'-3 1/16" (382)	1'-2 9/16" (370)	1'-2 13/16" (376)	1'-3 1/32" (382)	1'-3 3/32" (383)	1'-3 5/16" (389)
		ATAD2010	ATAD2110	ATAD2410	ATAD2610	ATAD2710	ATAD2810	ATAD2910	ATAD2910G*	ATAD21010
		23 1/4" (591)	2'-1 29/32" (655)	2'-2 17/32" (674)	2'-3 1/16" (687)	2'-2 9/16" (674)	2'-2 13/16" (681)	2'-3 1/32" (687)	2'-3 3/32" (688)	2'-3 5/16" (694)
		ATAD2020	ATAD2120	ATAD2420	ATAD2620	ATAD2720	ATAD2820	ATAD2920	ATAD2920G*	ATAD21020
		27 1/4" (692)	2'-5 29/32" (756)	2'-6 17/32" (775)	2'-7 1/16" (789)	2'-6 9/16" (776)	2'-6 13/16" (783)	2'-7 1/32" (788)	2'-7 3/32" (790)	2'-7 5/16" (795)
		ATAD2024	ATAD2124	ATAD2424	ATAD2624	ATAD2724	ATAD2824	ATAD2924	ATAD2924G*	ATAD21024
		31 1/4" (794)	2'-9 25/32" (858)	2'-10 17/32" (877)	2'-11 1/16" (890)	2'-10 9/16" (878)	2'-10 13/16" (884)	2'-11 1/32" (890)	2'-11 3/32" (891)	2'-11 5/16" (897)
		ATAD2028	ATAD2128	ATAD2428	ATAD2628	ATAD2728	ATAD2828	ATAD2928	ATAD2928G*	ATAD21028
		35 1/4" (895)	3'-1 29/32" (960)	3'-2 17/32" (978)	3'-3 1/16" (992)	3'-2 9/16" (979)	3'-2 13/16" (986)	3'-3 1/32" (991)	3'-3 3/32" (993)	3'-3 5/16" (999)
		ATAD2030	ATAD2130	ATAD2430	ATAD2630	ATAD2730	ATAD2830	ATAD2930	ATAD2930G*	ATAD21030
		39 1/4" (997)		3'-6 17/32" (1080)	3'-7 1/16" (1094)		3'-6 13/16" (1088)			3'-7 5/16" (1100)
		ATAD2034		ATAD2434	ATAD2634		ATAD2834			ATAD21034
		43 1/4" (1099)		3'-10 17/32" (1182)	3'-11 1/16" (1195)		3'-10 13/16" (1189)			3'-11 5/16" (1202)
		ATAD2038		ATAD2438	ATAD2638		ATAD2838			ATAD21038
		47 1/4" (1200)		4'-2 17/32" (1283)	4'-3 1/16" (1297)		4'-2 13/16" (1291)			4'-3 5/16" (1303)
		ATAD2040		ATAD2440	ATAD2640		ATAD2840			ATAD21040
		51 1/4" (1302)		4'-6 17/32" (1385)	4'-7 1/16" (1398)		4'-6 13/16" (1392)			4'-7 5/16" (1405)
		ATAD2044		ATAD2444	ATAD2644		ATAD2844			ATAD21044
		55 1/4" (1403)		4'-10 17/32" (1486)	4'-11 1/16" (1500)		4'-10 13/16" (1494)			4'-11 5/16" (1507)
		ATAD2048		ATAD2448	ATAD2648		ATAD2848			ATAD21048

\* "Window Dimension" always refers to outside frame to frame dimension.  
 \* "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.  
 • Dimensions in parentheses are in millimeters.  
 \* Sized to fit over A-Series Frenchwood® Single Stationary Gliding Patio Door.



Notes on page 89 also apply to this page. Arch sizes on pages 84-99.



continued on next page

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- \*Sized to fit over A-Series Frenchwood® Single Stationary Gliding Patio Door.

# SPECIALTY WINDOWS

**Table of Direct-Set Arch Window Sizes** (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on page 89 also apply to this page.

Window Dimension	1'-11 1/4" (591)	2'-0 1/8" (613)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-6 1/8" (765)	2'-7 1/4" (794)	2'-8 1/8" (816)	2'-8 3/8" (822)	2'-9 1/4" (845)
<b>Minimum Rough Opening</b>	2'-0" (610)	2'-1" (635)	2'-4" (711)	2'-6" (762)	2'-7" (787)	2'-8" (813)	2'-9" (838)	2'-9" (838)	2'-10" (864)
Unobstructed Glass	19 1/4" (489)	20 1/8" (511)	23 1/4" (591)	25 1/4" (641)	26 1/8" (664)	27 1/4" (692)	28 1/8" (714)	28 3/8" (721)	29 1/4" (743)

Window height shown in table

**CUSTOM SIZES AVAILABLE**

**CUSTOM SIZES AVAILABLE**

Minimum Rough Opening = window height + 3/4" (19)

Unobstructed Glass = window height - 4" (102)

Radius	24" (610)	30" (762)		36" (914)	
Chord Height	3" (76)	3 9/32" (88)	3 13/16" (97)	3 9/16" (91)	4 1/16" (103)
Shoulder Height	59 1/4" (1505) 5'-2 1/4" (1581) <b>ATAD2050</b>	5'-2 17/32" (1588) <b>ATAD2450</b>	5'-3 1/16" (1602) <b>ATAD2650</b>	5'-2 13/16" (1596) <b>ATAD2850</b>	5'-3 5/16" (1608) <b>ATAD21050</b>
	63 1/4" (1607) 5'-6 1/4" (1683) <b>ATAD2054</b>	5'-6 17/32" (1690) <b>ATAD2454</b>	5'-7 1/16" (1703) <b>ATAD2654</b>	5'-6 13/16" (1697) <b>ATAD2854</b>	5'-7 5/16" (1710) <b>ATAD21054</b>
	67 1/4" (1708) 5'-10 1/4" (1784) <b>ATAD2058</b>	5'-10 17/32" (1791) <b>ATAD2458</b>	5'-11 1/16" (1805) <b>ATAD2658</b>	5'-10 13/16" (1799) <b>ATAD2858</b>	5'-11 5/16" (1811) <b>ATAD21058</b>
	71 1/4" (1810) 6'-2 1/4" (1886) <b>ATAD2060</b>	6'-2 17/32" (1893) <b>ATAD2460</b>	6'-3 1/16" (1906) <b>ATAD2660</b>	6'-2 13/16" (1900) <b>ATAD2860</b>	6'-3 5/16" (1913) <b>ATAD21060</b>
	75 1/4" (1911) 6'-6 1/4" (1988) <b>ATAD2064</b>	6'-6 17/32" (1994) <b>ATAD2464</b>	6'-7 1/16" (2008) <b>ATAD2664</b>	6'-6 13/16" (2002) <b>ATAD2864</b>	6'-7 5/16" (2015) <b>ATAD21064</b>
	79 1/4" (2013) 6'-10 1/4" (2089) <b>ATAD2068</b>	6'-10 17/32" (2096) <b>ATAD2468</b>	6'-11 1/16" (2110) <b>ATAD2668</b>	6'-10 13/16" (2104) <b>ATAD2868</b>	6'-11 5/16" (2116) <b>ATAD21068</b>
	87 1/4" (2216) 7'-6 1/4" (2292) <b>ATAD2074</b>	7'-6 17/32" (2299) <b>ATAD2474</b>	7'-7 1/16" (2313) <b>ATAD2674</b>	7'-6 13/16" (2307) <b>ATAD2874</b>	7'-7 5/16" (2319) <b>ATAD21074</b>

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.



Notes on page 89 also apply to this page. Arch sizes on pages 84-99.

2'-11 1/4" (895)	3'-0 1/8" (918)	3'-1 1/4" (946)	3'-2 1/8" (968)	3'-2 3/8" (975)	3'-3 1/4" (997)	3'-7 1/4" (1099)	3'-8 3/8" (1127)	3'-11 1/4" (1200)	4'-2 3/8" (1280)
3'-0" (914)	3'-1" (940)	3'-2" (965)	3'-3" (991)	3'-3" (991)	3'-4" (1016)	3'-8" (1118)	3'-9" (1143)	4'-0" (1219)	4'-3" (1295)
31 1/4" (794)	32 1/8" (816)	33 1/4" (845)	34 1/8" (867)	34 3/8" (873)	35 1/4" (895)	39 1/4" (997)	40 3/8" (1026)	43 1/4" (1099)	46 3/8" (1178)

36"(914)	42"(1067)	42"(1067)	48"(1219)	48"(1219)
4 5/8" (117)	4 11/32" (111)	4 7/8" (124)	5 5/32" (131)	6 7/32" (158)
5'-3 7/8" (1622)	5'-3 19/32" (1616)	5'-4 1/8" (1629)	5'-4 13/32" (1636)	5'-5 15/32" (1663)
ATAD3050	ATAD3250	ATAD3450	ATAD3850	ATAD4050
5'-7 7/8" (1724)	5'-7 19/32" (1717)	5'-8 1/8" (1730)	5'-8 13/32" (1737)	5'-9 15/32" (1764)
ATAD3054	ATAD3254	ATAD3454	ATAD3854	ATAD4054
5'-11 7/8" (1825)	5'-11 19/32" (1819)	6'-0 1/8" (1832)	6'-0 13/32" (1839)	6'-1 15/32" (1866)
ATAD3058	ATAD3258	ATAD3458	ATAD3858	ATAD4058
6'-3 7/8" (1927)	6'-3 19/32" (1920)	6'-4 1/8" (1933)	6'-4 13/32" (1940)	6'-5 15/32" (1968)
ATAD3060	ATAD3260	ATAD3460	ATAD3860	ATAD4060
6'-7 7/8" (2028)	6'-7 19/32" (2022)	6'-8 1/8" (2035)	6'-8 13/32" (2042)	6'-9 15/32" (2069)
ATAD3064	ATAD3264	ATAD3464	ATAD3864	ATAD4064
6'-11 7/8" (2130)	6'-11 19/32" (2124)	7'-0 1/8" (2137)	7'-0 13/32" (2144)	7'-1 15/32" (2171)
ATAD3068	ATAD3268	ATAD3468	ATAD3868	ATAD4068
7'-7 7/8" (2333)	7'-7 19/32" (2327)	7'-8 1/8" (2340)	7'-8 13/32" (2347)	7'-9 15/32" (2374)
ATAD3074	ATAD3274	ATAD3474	ATAD3874	ATAD4074

continued on next page

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.

# SPECIALTY WINDOWS

**Table of Direct-Set Arch Window Sizes** (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on the next page also apply to this page.

Window Dimension	1'-11 1/4" (591)	2'-0 1/8" (613)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-6 1/8" (765)	2'-7 1/4" (794)	2'-8 1/8" (816)	2'-8 3/8" (822)	2'-9 1/4" (845)
<b>Minimum Rough Opening</b>	2'-0" (610)	2'-1" (635)	2'-4" (711)	2'-6" (762)	2'-7" (787)	2'-8" (813)	2'-9" (838)	2'-9" (838)	2'-10" (864)
Unobstructed Glass	19 1/4" (489)	20 1/8" (511)	23 1/4" (591)	25 1/4" (641)	26 1/8" (664)	27 1/4" (692)	28 1/8" (714)	28 3/8" (721)	29 1/4" (743)

CUSTOM SIZES AVAILABLE																																					
Window height shown in table	<table border="0"> <tr> <td>Radius</td> <td>24" (610)</td> <td>30" (762)</td> <td>30" (762)</td> <td>36" (914)</td> <td>36" (914)</td> </tr> <tr> <td>Chord Height</td> <td>3" (76)</td> <td>3 9/32" (88)</td> <td>3 13/16" (97)</td> <td>3 9/16" (97)</td> <td>4 1/16" (103)</td> </tr> <tr> <td>Shoulder Height</td> <td>95 1/4" (2419)</td> <td>8'-2 17/32" (2502)</td> <td>8'-3 1/16" (2516)</td> <td>8'-2 13/16" (2510)</td> <td>8'-3 5/16" (2523)</td> </tr> <tr> <td>Unobstructed Glass = window height - 4" (102)</td> <td>8'-2 1/4" (2496)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Minimum Rough Opening = window height + 3/4" (19)</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><b>ATAD2080</b></td> <td><b>ATAD2480</b></td> <td><b>ATAD2680</b></td> <td><b>ATAD2880</b></td> <td><b>ATAD21080</b></td> </tr> </table>	Radius	24" (610)	30" (762)	30" (762)	36" (914)	36" (914)	Chord Height	3" (76)	3 9/32" (88)	3 13/16" (97)	3 9/16" (97)	4 1/16" (103)	Shoulder Height	95 1/4" (2419)	8'-2 17/32" (2502)	8'-3 1/16" (2516)	8'-2 13/16" (2510)	8'-3 5/16" (2523)	Unobstructed Glass = window height - 4" (102)	8'-2 1/4" (2496)					<b>Minimum Rough Opening = window height + 3/4" (19)</b>							<b>ATAD2080</b>	<b>ATAD2480</b>	<b>ATAD2680</b>	<b>ATAD2880</b>	<b>ATAD21080</b>
Radius	24" (610)	30" (762)	30" (762)	36" (914)	36" (914)																																
Chord Height	3" (76)	3 9/32" (88)	3 13/16" (97)	3 9/16" (97)	4 1/16" (103)																																
Shoulder Height	95 1/4" (2419)	8'-2 17/32" (2502)	8'-3 1/16" (2516)	8'-2 13/16" (2510)	8'-3 5/16" (2523)																																
Unobstructed Glass = window height - 4" (102)	8'-2 1/4" (2496)																																				
<b>Minimum Rough Opening = window height + 3/4" (19)</b>																																					
	<b>ATAD2080</b>	<b>ATAD2480</b>	<b>ATAD2680</b>	<b>ATAD2880</b>	<b>ATAD21080</b>																																

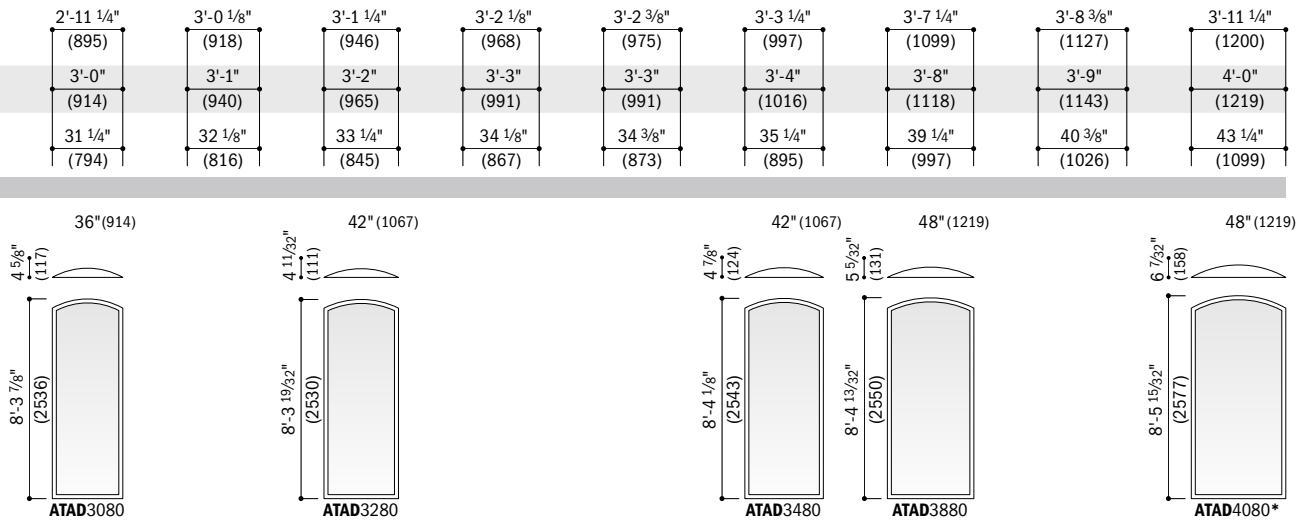
## Direct-Set Arch Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATAD2010	1.27 (0.12)	ATAD2464	11.90 (1.11)	ATAD2850	10.95 (1.02)	ATAD3020	4.91 (0.46)
ATAD2020	2.88 (0.27)	ATAD2468	12.54 (1.17)	ATAD2854	11.71 (1.09)	ATAD3024	5.78 (0.54)
ATAD2024	3.41 (0.32)	ATAD2474	13.84 (1.29)	ATAD2858	12.47 (1.16)	ATAD3028	6.65 (0.62)
ATAD2028	3.95 (0.37)	ATAD2480	15.13 (1.41)	ATAD2860	13.22 (1.23)	ATAD3030	7.51 (0.70)
ATAD2030	4.48 (0.42)	ATAD2610	1.77 (0.16)	ATAD2864	13.98 (1.30)	ATAD3034	8.38 (0.78)
ATAD2034	5.02 (0.47)	ATAD2620	3.87 (0.36)	ATAD2868	14.74 (1.37)	ATAD3038	9.25 (0.86)
ATAD2038	5.55 (0.52)	ATAD2624	4.57 (0.42)	ATAD2874	16.25 (1.51)	ATAD3040	10.12 (0.94)
ATAD2040	6.09 (0.57)	ATAD2628	5.27 (0.49)	ATAD2880	17.77 (1.65)	ATAD3044	10.99 (1.02)
ATAD2044	6.62 (0.62)	ATAD2630	5.98 (0.56)	ATAD2910	1.96 (0.18)	ATAD3048	11.85 (1.10)
ATAD2048	7.16 (0.66)	ATAD2634	6.68 (0.62)	ATAD2920	4.30 (0.40)	ATAD3050	12.72 (1.18)
ATAD2050	7.69 (0.71)	ATAD2638	7.38 (0.69)	ATAD2924	5.09 (0.47)	ATAD3054	13.59 (1.26)
ATAD2054	8.23 (0.76)	ATAD2640	8.08 (0.75)	ATAD2928	5.87 (0.54)	ATAD3058	14.46 (1.34)
ATAD2058	8.76 (0.81)	ATAD2644	8.78 (0.82)	ATAD2930	6.65 (0.62)	ATAD3060	15.33 (1.42)
ATAD2060	9.29 (0.86)	ATAD2648	9.48 (0.88)	ATAD2910G	1.99 (0.18)	ATAD3064	16.19 (1.50)
ATAD2064	9.83 (0.91)	ATAD2650	10.18 (0.95)	ATAD2920G	4.35 (0.40)	ATAD3068	17.06 (1.59)
ATAD2068	10.36 (0.96)	ATAD2654	10.88 (1.01)	ATAD2924G	5.14 (0.48)	ATAD3074	18.80 (1.75)
ATAD2074	11.43 (1.06)	ATAD2658	11.59 (1.08)	ATAD2928G	5.93 (0.55)	ATAD3080	20.53 (1.91)
ATAD2080	12.50 (1.16)	ATAD2660	12.29 (1.14)	ATAD2930G	6.72 (0.62)	ATAD3110	2.41 (0.22)
ATAD2110	1.28 (0.12)	ATAD2664	12.99 (1.21)	ATAD21010	2.08 (0.19)	ATAD3120	5.09 (0.47)
ATAD2120	2.96 (0.27)	ATAD2668	13.69 (1.27)	ATAD21020	4.52 (0.42)	ATAD3124	5.98 (0.56)
ATAD2124	3.52 (0.33)	ATAD2674	15.09 (1.40)	ATAD21024	5.33 (0.50)	ATAD3128	6.87 (0.64)
ATAD2128	4.08 (0.38)	ATAD2680	16.50 (1.53)	ATAD21028	6.14 (0.57)	ATAD3130	7.76 (0.72)
ATAD2130	4.64 (0.43)	ATAD2710	1.76 (0.16)	ATAD21030	6.95 (0.65)	ATAD3210	2.41 (0.22)
ATAD2410	1.57 (0.15)	ATAD2720	3.94 (0.37)	ATAD21034	7.77 (0.72)	ATAD3220	5.18 (0.48)
ATAD2420	3.50 (0.33)	ATAD2724	4.66 (0.43)	ATAD21038	8.58 (0.80)	ATAD3224	6.10 (0.57)
ATAD2424	4.15 (0.39)	ATAD2728	5.39 (0.50)	ATAD21040	9.39 (0.87)	ATAD3228	7.02 (0.65)
ATAD2428	4.79 (0.45)	ATAD2730	6.11 (0.57)	ATAD21044	10.20 (0.95)	ATAD3230	7.95 (0.74)
ATAD2430	5.44 (0.51)	ATAD2810	1.87 (0.17)	ATAD21048	11.02 (1.02)	ATAD3234	8.87 (0.82)
ATAD2434	6.09 (0.57)	ATAD2820	4.14 (0.38)	ATAD21050	11.83 (1.10)	ATAD3238	9.80 (0.91)
ATAD2438	6.73 (0.63)	ATAD2824	4.90 (0.46)	ATAD21054	12.64 (1.17)	ATAD3240	10.72 (1.00)
ATAD2440	7.38 (0.69)	ATAD2828	5.66 (0.53)	ATAD21058	13.45 (1.25)	ATAD3244	11.64 (1.08)
ATAD2444	8.02 (0.75)	ATAD2830	6.41 (0.60)	ATAD21060	14.27 (1.33)	ATAD3248	12.57 (1.17)
ATAD2448	8.67 (0.81)	ATAD2834	7.17 (0.67)	ATAD21064	15.08 (1.40)	ATAD3250	13.49 (1.25)
ATAD2450	9.32 (0.87)	ATAD2838	7.93 (0.74)	ATAD21068	15.89 (1.48)	ATAD3254	14.41 (1.34)
ATAD2454	9.96 (0.93)	ATAD2840	8.68 (0.81)	ATAD21074	17.52 (1.63)	ATAD3258	15.34 (1.42)
ATAD2458	10.61 (0.99)	ATAD2844	9.44 (0.88)	ATAD21080	19.14 (1.78)		
ATAD2460	11.25 (1.05)	ATAD2848	10.20 (0.95)	ATAD3010	2.31 (0.21)		

• Dimensions in parentheses are in square meters.

continued on next page

Arch sizes on pages 84-99.



continued on next page

**Direct-Set Arch Window Area Specifications** (continued)

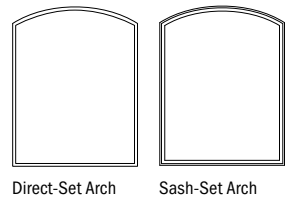
Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATAD3260	16.26 (1.51)	ATAD3830	9.53 (0.89)	ATAD4310	3.61 (0.34)
ATAD3264	17.18 (1.60)	ATAD3834	10.62 (0.99)	ATAD4320	7.47 (0.69)
ATAD3268	18.11 (1.68)	ATAD3838	11.71 (1.09)	ATAD4324	8.76 (0.81)
ATAD3274	19.95 (1.85)	ATAD3840	12.80 (1.19)	ATAD4328	10.05 (0.93)
ATAD3280	21.80 (2.03)	ATAD3844	13.89 (1.29)	ATAD4330	11.34 (1.05)
ATAD3310	2.51 (0.23)	ATAD3848	14.98 (1.39)	ATAD4410	3.72 (0.35)
ATAD3320	5.35 (0.50)	ATAD3850	16.07 (1.49)	ATAD4420	7.66 (0.71)
ATAD3324	6.30 (0.59)	ATAD3854	17.16 (1.59)	ATAD4424	8.97 (0.83)
ATAD3328	7.25 (0.67)	ATAD3858	18.25 (1.70)	ATAD4428	10.29 (0.96)
ATAD3330	8.19 (0.76)	ATAD3860	19.34 (1.80)	ATAD4430	11.60 (1.08)
ATAD3310G	2.54 (0.24)	ATAD3864	20.43 (1.90)	ATAD4434	12.91 (1.20)
ATAD3320G	5.40 (0.50)	ATAD3868	21.52 (2.00)	ATAD4438	14.22 (1.32)
ATAD3324G	6.35 (0.59)	ATAD3874	23.70 (2.20)	ATAD4440	15.54 (1.44)
ATAD3328G	7.31 (0.68)	ATAD3880	25.88 (2.40)	ATAD4444	16.85 (1.57)
ATAD3330G	8.26 (0.77)	ATAD3910	3.13 (0.29)	ATAD4448	18.16 (1.69)
ATAD3410	2.64 (0.25)	ATAD3920	6.49 (0.60)	ATAD4450	19.47 (1.81)
ATAD3420	5.58 (0.52)	ATAD3924	7.62 (0.71)	ATAD4454	20.79 (1.93)
ATAD3424	6.56 (0.61)	ATAD3928	8.74 (0.81)	ATAD4458	22.10 (2.05)
ATAD3428	7.54 (0.70)	ATAD3930	9.86 (0.92)	ATAD4460	23.41 (2.17)
ATAD3430	8.51 (0.79)	ATAD4010	3.52 (0.33)	ATAD4464	24.72 (2.30)
ATAD3434	9.49 (0.88)	ATAD4020	7.12 (0.66)	ATAD4468	26.04 (2.42)
ATAD3438	10.47 (0.97)	ATAD4024	8.32 (0.77)	ATAD4474	28.66 (2.66)
ATAD3440	11.45 (1.06)	ATAD4028	9.52 (0.88)	ATAD4480	31.29 (2.91)
ATAD3444	12.43 (1.15)	ATAD4030	10.73 (1.00)	ATAD4810	4.29 (0.40)
ATAD3448	13.41 (1.25)	ATAD4034	11.93 (1.11)	ATAD4820	8.56 (0.79)
ATAD3450	14.39 (1.34)	ATAD4038	13.13 (1.22)	ATAD4824	9.98 (0.93)
ATAD3454	15.37 (1.43)	ATAD4040	14.33 (1.33)	ATAD4828	11.40 (1.06)
ATAD3458	16.35 (1.52)	ATAD4044	15.53 (1.44)	ATAD4830	12.83 (1.19)
ATAD3460	17.33 (1.61)	ATAD4048	16.73 (1.55)	ATAD4834	14.25 (1.32)
ATAD3464	18.31 (1.70)	ATAD4050	17.93 (1.67)	ATAD4838	15.67 (1.46)
ATAD3468	19.29 (1.79)	ATAD4054	19.14 (1.78)	ATAD4840	17.10 (1.59)
ATAD3474	21.24 (1.97)	ATAD4058	20.34 (1.89)	ATAD4844	18.52 (1.72)
ATAD3480	23.20 (2.16)	ATAD4060	21.54 (2.00)	ATAD4848	19.95 (1.85)
ATAD3810	2.99 (0.28)	ATAD4064	22.74 (2.11)	ATAD4850	21.37 (1.99)
ATAD3820	6.26 (0.58)	ATAD4068	23.94 (2.22)	ATAD4854	22.79 (2.12)
ATAD3824	7.35 (0.68)	ATAD4074	26.34 (2.45)		
ATAD3828	8.44 (0.78)	ATAD4080	28.75 (2.67)		

• Dimensions in parentheses are in square meters.

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Custom-size windows are available in 1/8" (3) increments. Contact your Andersen supplier for more information.



**Direct-set (ATAD) window sizes shown.**

Use window dimensions and minimum rough opening formula shown for sash-set (ATA) window sizes. For sash-set unobstructed glass dimensions, see pages 98-101

Details shown on page 115. Grille patterns shown on page 109.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- \*Tempered glass required. Some visual distortion may occur.

# SPECIALTY WINDOWS

**Table of Direct-Set Arch Window Sizes** (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on page 93 also apply to this page.

Window Dimension	4'-3 1/4" (1302)	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	5'-11 1/4" (1810)
<b>Minimum Rough Opening</b>	4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
Unobstructed Glass	47 1/4" (1200)	51 1/4" (1302)	55 1/4" (1403)	59 1/4" (1505)	63 1/4" (1607)	67 1/4" (1708)

**CUSTOM SIZES AVAILABLE**

Minimum Rough Opening = window height + 3/4" (19)

Unobstructed Glass = window height - 4" (102)

**CUSTOM SIZES AVAILABLE**

Window height shown in table	Radius	60" (1524)	60" (1524)	60" (1524)	72" (1829)	72" (1829)	72" (1829)
	Chord Height	5 3/4" (146)	6 3/4" (171)	7 13/16" (199)	7 9/16" (186)	8 11/32" (212)	9 7/16" (240)
	Shoulder Height	11 1/4" (286)	1'-6" (457)	1'-7 1/16" (484)	1'-6 9/16" (472)	1'-7 19/32" (497)	1'-8 11/16" (525)
		ATAD4410	ATAD4810	ATAD5010	ATAD5410	ATAD5810	ATAD6010
		23 1/4" (591)	2'-5" (737)	2'-7 1/16" (789)	2'-6 9/16" (776)	2'-7 19/32" (802)	2'-8 11/16" (830)
		ATAD4420	ATAD4820	ATAD5020	ATAD5420	ATAD5820	ATAD6020
		27 1/4" (692)	2'-10" (863)	2'-11 1/16" (891)	2'-10 9/16" (878)	2'-11 19/32" (904)	3'-0 11/16" (932)
		ATAD4424	ATAD4824	ATAD5024	ATAD5424	ATAD5824	ATAD6024
		31 1/4" (794)	3'-1" (940)	3'-3 1/16" (992)	3'-2 9/16" (980)	3'-3 19/32" (1005)	3'-4 11/16" (1033)
		ATAD4428	ATAD4828	ATAD5028	ATAD5428	ATAD5828	ATAD6028
		35 1/4" (895)	3'-5" (1041)	3'-7 1/16" (1094)	3'-6 9/16" (1081)	3'-7 19/32" (1107)	3'-8 11/16" (1135)
		ATAD4430	ATAD4830	ATAD5030	ATAD5430	ATAD5830	ATAD6030
		39 1/4" (997)	3'-9" (1143)	3'-11 1/16" (1196)	3'-10 9/16" (1183)	3'-11 19/32" (1209)	4'-0 11/16" (1237)
		ATAD4434	ATAD4834	ATAD5034	ATAD5434	ATAD5834	ATAD6034
		43 1/4" (1099)	4'-1" (1245)	4'-3 1/16" (1297)	4'-2 9/16" (1284)	4'-3 19/32" (1310)	4'-4 11/16" (1338)
		ATAD4438	ATAD4838	ATAD5038	ATAD5438	ATAD5838	ATAD6038
		47 1/4" (1200)	4'-5" (1346)	4'-7 1/16" (1399)	4'-6 9/16" (1386)	4'-7 19/32" (1412)	4'-8 11/16" (1440)
		ATAD4440	ATAD4840	ATAD5040	ATAD5440	ATAD5840	ATAD6040
		51 1/4" (1302)	4'-9" (1448)	4'-11 1/16" (1500)	4'-10 9/16" (1488)	4'-11 19/32" (1513)	5'-0 11/16" (1541)
		ATAD4444	ATAD4844	ATAD5044	ATAD5444	ATAD5844	ATAD6044
		55 1/4" (1403)	5'-1" (1549)	5'-3 1/16" (1602)	5'-2 9/16" (1589)	5'-3 19/32" (1615)	5'-4 11/16" (1643)
		ATAD4448	ATAD4848	ATAD5048	ATAD5448	ATAD5848	ATAD6048

• "Window Dimension" always refers to outside frame to frame dimension.  
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.  
 • Dimensions in parentheses are in millimeters.

Notes on page 93 also apply to this page. Arch sizes on pages 84-99.

6'-3 1/4" (1911)	6'-7 1/4" (2013)	6'-11 1/4" (2115)	7'-3 1/4" (2216)	7'-10 7/16" (2399)	7'-11 1/4" (2419)
6'-4" (1930)	6'-8" (2032)	7'-0" (2134)	7'-4" (2235)	7'-11" (2413)	8'-0" (2438)
71 1/4" (1810)	75 1/4" (1911)	79 1/4" (2013)	83 1/4" (2115)	90 7/16" (2297)	91 1/4" (2318)

84" (2134) 8 29/32" (226) 1'-8 5/32" (512) ATAD6410	84" (2134) 9 15/16" (252) 1'-9 3/16" (538) ATAD6810	84" (2134) 11 1/32" (280) 1'-10 9/32" (566) ATAD7010	96" (2438) 10 1/2" (266) 1'-9 3/4" (552) ATAD7410	96" (2438) 12 13/32" (315) 1'-11 21/32" (601) ATAD7110	96" (2438) 12 21/32" (321) 1'-11 29/32" (607) ATAD8010
2'-8 5/32" (817) ATAD6420	2'-9 3/16" (843) ATAD6820	2'-10 9/32" (871) ATAD7020	2'-9 3/4" (857) ATAD7420	2'-11 21/32" (906) ATAD7120	2'-11 29/32" (912) ATAD8020
3'-0 5/32" (918) ATAD6424	3'-1 3/16" (944) ATAD6824	3'-2 9/32" (973) ATAD7024	3'-1 3/4" (958) ATAD7424	3'-3 21/32" (1008) ATAD7124	3'-3 29/32" (1013) ATAD8024
3'-4 5/32" (1020) ATAD6428	3'-5 3/16" (1046) ATAD6828	3'-6 9/32" (1074) ATAD7028	3'-5 3/4" (1060) ATAD7428	3'-7 21/32" (1109) ATAD7128	3'-7 29/32" (1115) ATAD8028
3'-8 5/32" (1121) ATAD6430	3'-9 3/16" (1148) ATAD6830	3'-10 9/32" (1176) ATAD7030	3'-9 3/4" (1162) ATAD7430	3'-11 21/32" (1211) ATAD7130	3'-11 29/32" (1217) ATAD8030
4'-0 5/32" (1223) ATAD6434	4'-1 3/16" (1249) ATAD6834	4'-2 9/32" (1277) ATAD7034	4'-1 3/4" (1263) ATAD7434		4'-3 29/32" (1318) ATAD8034
4'-4 5/32" (1325) ATAD6438	4'-5 3/16" (1351) ATAD6838	4'-6 9/32" (1379) ATAD7038	4'-5 3/4" (1365) ATAD7438		4'-7 29/32" (1420) ATAD8038
4'-8 5/32" (1426) ATAD6440	4'-9 3/16" (1452) ATAD6840	4'-10 9/32" (1481) ATAD7040	4'-9 3/4" (1466) ATAD7440		4'-11 29/32" (1521) ATAD8040
5'-0 5/32" (1528) ATAD6444	5'-1 3/16" (1554) ATAD6844	5'-2 9/32" (1582) ATAD7044	5'-1 3/4" (1568) ATAD7444		5'-3 29/32" (1623) ATAD8044
5'-4 5/32" (1629) ATAD6448	5'-5 3/16" (1656) ATAD6848	5'-6 9/32" (1684) ATAD7048	5'-5 3/4" (1670) ATAD7448		5'-7 29/32" (1725) ATAD8048

continued on next page

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.

# SPECIALTY WINDOWS

**Table of Direct-Set Arch Window Sizes** (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on the next page also apply to this page.

Window Dimension	4'-3 1/4" (1302)	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	5'-11 1/4" (1810)
<b>Minimum Rough Opening</b>	4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
Unobstructed Glass	47 1/4" (1200)	51 1/4" (1302)	55 1/4" (1403)	59 1/4" (1505)	63 1/4" (1607)	67 1/4" (1708)

**CUSTOM SIZES AVAILABLE**

**Minimum Rough Opening = window height + 3/4" (19)**  
 Unobstructed Glass = window height - 4" (102)

**CUSTOM SIZES AVAILABLE**

Window height shown in table	Radius	60" (1524)	60" (1524)	60" (1524)	72" (1829)	72" (1829)	72" (1829)
	Chord Height	5 3/4" (146)	6 3/4" (171)	7 13/16" (199)	7 9/16" (186)	8 11/32" (212)	9 7/16" (240)
	Shoulder Height	59 1/4" (1505)	5'-6" (1676)	5'-7 1/16" (1704)	5'-6 9/16" (1691)	5'-7 19/32" (1717)	5'-8 11/16" (1745)
		ATAD4450	ATAD4850	ATAD5050	ATAD5450	ATAD5850	ATAD6050
		63 1/4" (1607)	5'-10" (1778)	5'-11 1/16" (1805)	5'-10 9/16" (1792)	5'-11 19/32" (1818)	6'-0 11/16" (1846)
		ATAD4454	ATAD4854	ATAD5054	ATAD5454	ATAD5854	ATAD6054
		67 1/4" (1708)	6'-2" (1879)	6'-3 1/16" (1907)	6'-2 9/16" (1894)	6'-3 19/32" (1920)	6'-4 11/16" (1948)
		ATAD4458	ATAD4858	ATAD5058	ATAD5458	ATAD5858	ATAD6058
		71 1/4" (1810)	6'-6" (1981)	6'-7 1/16" (2008)	6'-6 9/16" (1996)	6'-7 19/32" (2021)	6'-8 11/16" (2049)
		ATAD4460	ATAD4860	ATAD5060	ATAD5460	ATAD5860	ATAD6060
		75 1/4" (1911)	6'-10" (2082)	6'-11 1/16" (2110)	6'-10 9/16" (2097)	6'-11 19/32" (2123)	7'-0 11/16" (2151)
		ATAD4464	ATAD4864	ATAD5064	ATAD5464	ATAD5864	ATAD6064
		79 1/4" (2013)	7'-2" (2184)	7'-3 1/16" (2212)	7'-2 9/16" (2199)	7'-3 19/32" (2225)	7'-4 11/16" (2253)
		ATAD4468	ATAD4868	ATAD5068	ATAD5468	ATAD5868	ATAD6068
		87 1/4" (2216)	7'-10" (2387)	7'-11 1/16" (2415)	7'-10 9/16" (2402)	7'-11 19/32" (2428)	8'-0 11/16" (2456)
		ATAD4474	ATAD4874	ATAD5074	ATAD5474	ATAD5874	ATAD6074

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.



Arch sizes on pages 84-99.

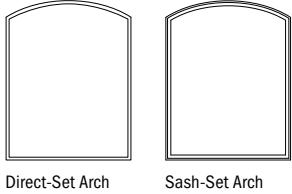
6'-3 1/4" (1911)	6'-7 1/4" (2013)	6'-11 1/4" (2115)	7'-3 1/4" (2216)	7'-10 7/16" (2399)	7'-11 1/4" (2419)
6'-4" (1930)	6'-8" (2032)	7'-0" (2134)	7'-4" (2235)	7'-11" (2413)	8'-0" (2438)
71 1/4" (1810)	75 1/4" (1911)	79 1/4" (2013)	83 1/4" (2115)	90 7/16" (2297)	91 1/4" (2318)

 84" (2134) 8 29/32" (226) 5'-8 5/32" (1731) ATAD6450	 84" (2134) 9 15/16" (252) 5'-9 3/16" (1757) ATAD6850	 84" (2134) 11 1/32" (280) 5'-10 9/32" (1785) ATAD7050	 96" (2438) 10 1/2" (266) 5'-9 3/4" (1771) ATAD7450	 96" (2438) 12 1/32" (321) 5'-11 29/32" (1826) ATAD8050*
 6'-0 5/32" (1833) ATAD6454	 6'-1 3/16" (1859) ATAD6854	 6'-2 9/32" (1887) ATAD7054	 6'-1 3/4" (1873) ATAD7454	 6'-3 29/32" (1928) ATAD8054*
 6'-4 5/32" (1934) ATAD6458	 6'-5 3/16" (1960) ATAD6858	 6'-6 9/32" (1989) ATAD7058	 6'-5 3/4" (1974) ATAD7458*	 6'-7 29/32" (2029) ATAD8058*
 6'-8 5/32" (2036) ATAD6460	 6'-9 3/16" (2062) ATAD6860	 6'-10 9/32" (2090) ATAD7060*	 6'-9 3/4" (2076) ATAD7460*	 6'-11 29/32" (2131) ATAD8060*
 7'-0 5/32" (2137) ATAD6464	 7'-1 3/16" (2164) ATAD6864	 7'-2 9/32" (2192) ATAD7064*	 7'-1 3/4" (2174) ATAD7464*	continued on next page
 7'-4 5/32" (2239) ATAD6468	 7'-5 3/16" (2265) ATAD6868*	 7'-6 9/32" (2293) ATAD7068*	 7'-5 3/4" (2274) ATAD7468*	*Tempered glass required. Some visual distortion may occur.
 8'-0 5/32" (2442) ATAD6474*	 8'-1 3/16" (2468) ATAD6874*	 8'-2 9/32" (2497) ATAD7074*	*Minimum Rough Opening dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.	*Dimensions in parentheses are in millimeters.



Custom-size windows are available in 1/8" (3) increments. Contact your Andersen supplier for more information.

**Direct-set (ATAD) window sizes shown.** Use window dimensions and minimum rough opening formula shown for sash-set (ATA) window sizes. For sash-set unobstructed glass dimensions, see pages 98-101.



Details shown on page 115. Grille patterns shown on page 109.

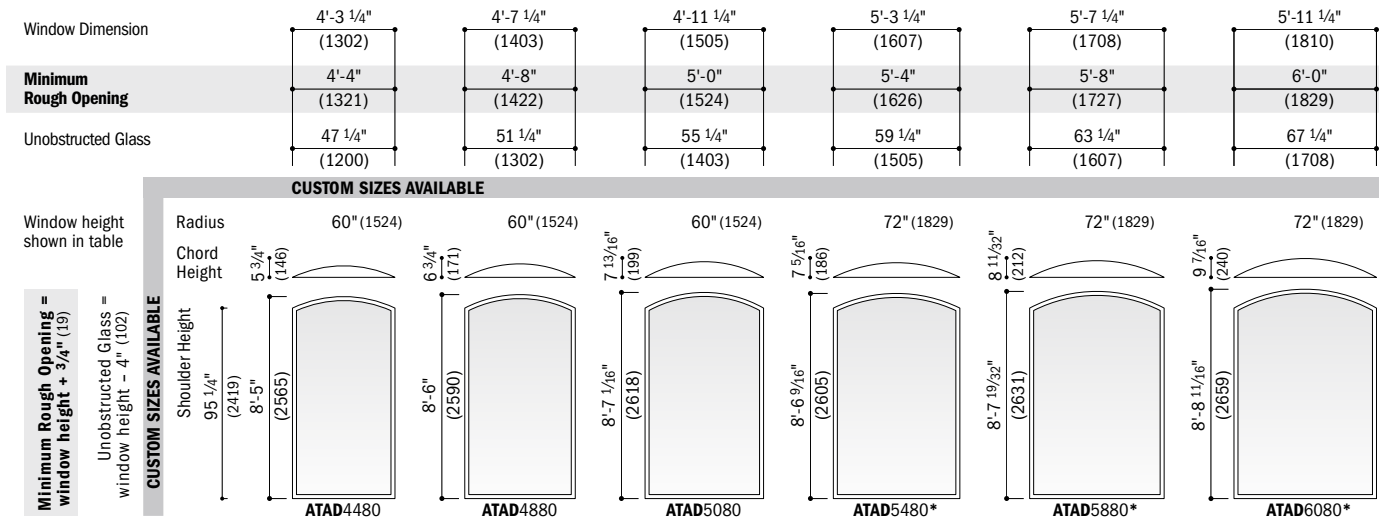
• "Window Dimension" always refers to outside frame to frame dimension.  
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.  
 • Dimensions in parentheses are in millimeters.  
 • \*Tempered glass required. Some visual distortion may occur.

# SPECIALTY WINDOWS

**Table of Direct-Set Arch Window Sizes** (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on the next page also apply to this page.



- \* "Window Dimension" always refers to outside frame to frame dimension.
- \* "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- \*Tempered glass required. Some visual distortion may occur.

## Direct-Set Arch Window Area Specifications

(continued from page 89)

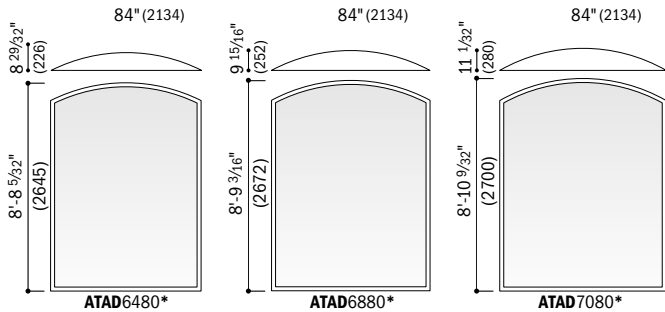
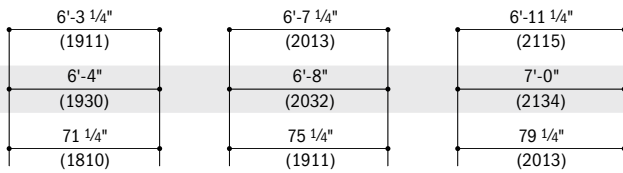
Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATAD4858	24.22 (2.25)	ATAD5444	21.57 (2.00)	ATAD6030	17.69 (1.64)	ATAD6810	7.42 (0.69)
ATAD4860	25.64 (2.38)	ATAD5448	23.21 (2.16)	ATAD6034	19.56 (1.82)	ATAD6820	13.70 (1.27)
ATAD4864	27.06 (2.51)	ATAD5450	24.86 (2.31)	ATAD6038	21.43 (1.99)	ATAD6824	15.79 (1.47)
ATAD4868	28.49 (2.65)	ATAD5454	26.51 (2.46)	ATAD6040	23.30 (2.16)	ATAD6828	17.88 (1.66)
ATAD4874	31.33 (2.91)	ATAD5458	28.15 (2.62)	ATAD6044	25.17 (2.34)	ATAD6830	19.97 (1.85)
ATAD4880	34.18 (3.18)	ATAD5460	29.80 (2.77)	ATAD6048	27.03 (2.51)	ATAD6834	22.06 (2.05)
ATAD5010	4.91 (0.46)	ATAD5464	31.44 (2.92)	ATAD6050	28.90 (2.69)	ATAD6838	24.15 (2.24)
ATAD5020	9.52 (0.88)	ATAD5468	33.09 (3.07)	ATAD6054	30.77 (2.86)	ATAD6840	26.24 (2.44)
ATAD5024	11.05 (1.03)	ATAD5474	36.38 (3.38)	ATAD6058	32.64 (3.03)	ATAD6844	28.33 (2.63)
ATAD5028	12.58 (1.17)	ATAD5480	39.67 (3.69)	ATAD6060	34.51 (3.21)	ATAD6848	30.42 (2.83)
ATAD5030	14.12 (1.31)	ATAD5810	5.76 (0.54)	ATAD6064	36.37 (3.38)	ATAD6850	32.51 (3.02)
ATAD5034	15.65 (1.45)	ATAD5820	11.04 (1.03)	ATAD6068	38.24 (3.55)	ATAD6854	34.60 (3.21)
ATAD5038	17.19 (1.60)	ATAD5824	12.79 (1.19)	ATAD6074	41.98 (3.90)	ATAD6858	36.69 (3.41)
ATAD5040	18.72 (1.74)	ATAD5828	14.55 (1.35)	ATAD6080	45.71 (4.25)	ATAD6860	38.78 (3.60)
ATAD5044	20.26 (1.88)	ATAD5830	16.31 (1.51)	ATAD6410	6.67 (0.62)	ATAD6864	40.87 (3.80)
ATAD5048	21.79 (2.02)	ATAD5834	18.06 (1.68)	ATAD6420	12.61 (1.17)	ATAD6868	42.96 (3.99)
ATAD5050	23.33 (2.17)	ATAD5838	19.82 (1.84)	ATAD6424	14.59 (1.36)	ATAD6874	47.14 (4.38)
ATAD5054	24.86 (2.31)	ATAD5840	21.58 (2.00)	ATAD6428	16.57 (1.54)	ATAD6880	51.32 (4.77)
ATAD5058	26.40 (2.45)	ATAD5844	23.33 (2.17)	ATAD6430	18.55 (1.72)	ATAD7010	8.24 (0.77)
ATAD5060	27.93 (2.59)	ATAD5848	25.09 (2.33)	ATAD6434	20.53 (1.91)	ATAD7020	14.85 (1.38)
ATAD5064	29.47 (2.74)	ATAD5850	26.85 (2.49)	ATAD6438	22.51 (2.09)	ATAD7024	17.05 (1.58)
ATAD5068	31.00 (2.88)	ATAD5854	28.60 (2.66)	ATAD6440	24.49 (2.27)	ATAD7028	19.25 (1.79)
ATAD5074	34.07 (3.17)	ATAD5858	30.36 (2.82)	ATAD6444	26.47 (2.46)	ATAD7030	21.45 (1.99)
ATAD5080	37.14 (3.45)	ATAD5860	32.12 (2.98)	ATAD6448	28.45 (2.64)	ATAD7034	23.65 (2.20)
ATAD5410	5.11 (0.47)	ATAD5864	33.88 (3.15)	ATAD6450	30.42 (2.83)	ATAD7038	25.85 (2.40)
ATAD5420	10.05 (0.93)	ATAD5868	35.63 (3.31)	ATAD6454	32.40 (3.01)	ATAD7040	28.05 (2.61)
ATAD5424	11.69 (1.09)	ATAD5874	39.15 (3.64)	ATAD6458	34.38 (3.19)	ATAD7044	30.26 (2.81)
ATAD5428	13.34 (1.24)	ATAD5880	42.66 (3.96)	ATAD6460	36.36 (3.38)	ATAD7048	32.46 (3.02)
ATAD5430	14.98 (1.39)	ATAD6010	6.49 (0.60)	ATAD6464	38.34 (3.56)	ATAD7050	34.66 (3.22)
ATAD5434	16.63 (1.54)	ATAD6020	12.09 (1.12)	ATAD6468	40.32 (3.75)	ATAD7054	36.86 (3.42)
ATAD5438	18.28 (1.70)	ATAD6024	13.96 (1.30)	ATAD6474	44.28 (4.11)		
ATAD5440	19.92 (1.85)	ATAD6028	15.83 (1.47)	ATAD6480	48.24 (4.48)		

• Dimensions in parentheses are in square meters.

continued on next page



Arch sizes on pages 84-99.



- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- Tempered glass required. Some visual distortion may occur.

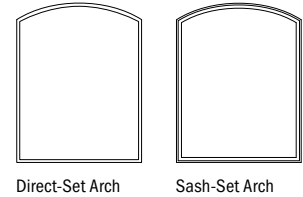
continued on next page



Custom-size windows are available in 1/8" (3) increments.  
Contact your Andersen supplier for more information.

Direct-set (ATAD) window sizes

shown. Use window dimensions and minimum rough opening formula shown for sash-set (ATA) window sizes. For sash-set unobstructed glass dimensions, see pages 98-101.



Details shown on page 115.

Grille patterns shown on page 109.

Direct-Set Arch Window Area Specifications (continued)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATAD7058	39.06 (3.63)
ATAD7060	41.26 (3.83)
ATAD7064	43.46 (4.04)
ATAD7068	45.67 (4.24)
ATAD7074	50.07 (4.65)
ATAD7080	54.47 (5.06)
ATAD7410	8.42 (0.78)
ATAD7420	15.36 (1.43)
ATAD7424	17.67 (1.64)
ATAD7428	19.98 (1.86)
ATAD7430	22.30 (2.07)
ATAD7434	24.61 (2.29)
ATAD7438	26.92 (2.50)
ATAD7440	29.23 (2.72)
ATAD7444	31.55 (2.93)
ATAD7448	33.86 (3.15)
ATAD7450	36.17 (3.36)
ATAD7454	38.48 (3.58)
ATAD7458	40.80 (3.76)
ATAD7460	43.11 (4.00)
ATAD71110	9.99 (0.93)
ATAD71120	17.52 (1.63)
ATAD71124	20.04 (1.86)
ATAD71128	22.55 (2.09)
ATAD71130	25.06 (2.33)
ATAD8010	10.18 (0.95)
ATAD8020	17.78 (1.65)
ATAD8024	20.32 (1.89)
ATAD8028	22.85 (2.12)
ATAD8030	25.39 (2.36)
ATAD8034	27.92 (2.59)
ATAD8038	30.46 (2.83)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATAD8040	32.99 (3.06)
ATAD8044	35.53 (3.30)
ATAD8048	38.06 (3.54)
ATAD8050	40.60 (3.77)
ATAD8054	43.13 (4.01)
ATAD8058	45.66 (4.24)
ATAD8060	48.20 (4.48)
ATAD8810	10.58 (0.98)
ATAD8820	18.85 (1.75)
ATAD8824	21.60 (2.01)
ATAD8828	24.36 (2.26)
ATAD8830	27.12 (2.52)
ATAD8834	29.87 (2.78)
ATAD8838	32.63 (3.03)
ATAD8840	35.39 (3.29)
ATAD8844	38.15 (3.54)
ATAD8848	40.90 (3.80)
ATAD8850	43.66 (4.06)
ATAD8854	46.42 (4.31)
ATAD8858	49.17 (4.57)
ATAD8860	51.93 (4.82)
ATAD81110	11.30 (1.05)
ATAD81120	19.83 (1.84)
ATAD81124	22.68 (2.11)
ATAD81128	25.52 (2.37)
ATAD81130	28.37 (2.64)
ATAD9410	12.46 (1.16)
ATAD9420	21.39 (1.99)
ATAD9424	24.37 (2.26)
ATAD9428	27.35 (2.54)
ATAD9430	30.33 (2.82)
ATAD9434	33.31 (3.09)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATAD9438	36.29 (3.37)
ATAD9440	39.27 (3.65)
ATAD9444	42.25 (3.92)
ATAD9448	45.23 (4.20)
ATAD9450	48.21 (4.48)
ATAD9454	51.18 (4.76)
ATAD9458	54.16 (5.03)
ATAD10010	14.60 (1.36)
ATAD10020	24.20 (2.25)
ATAD10024	27.40 (2.55)
ATAD10028	30.60 (2.84)
ATAD10030	33.80 (3.14)
ATAD10034	37.01 (3.44)
ATAD10038	40.21 (3.74)
ATAD10040	43.41 (4.03)
ATAD10044	46.61 (4.33)
ATAD10048	49.81 (4.63)
ATAD10050	53.01 (4.92)
ATAD10054	56.21 (5.22)
ATAD10058	59.42 (5.52)
ATAD10810	15.88 (1.47)
ATAD10820	26.15 (2.43)
ATAD10824	29.57 (2.75)
ATAD10828	32.99 (3.07)
ATAD10830	36.42 (3.38)
ATAD10834	39.84 (3.70)
ATAD10838	43.26 (4.02)
ATAD10840	46.69 (4.34)
ATAD10844	50.11 (4.66)
ATAD10848	53.54 (4.97)
ATAD10850	56.96 (5.29)
ATAD10854	60.38 (5.61)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATAD10858	63.81 (5.93)
ATAD11410	17.21 (1.60)
ATAD11420	28.15 (2.62)
ATAD11424	31.80 (2.95)
ATAD11428	35.44 (3.29)
ATAD11430	39.09 (3.63)
ATAD11434	42.74 (3.97)
ATAD11438	46.38 (4.31)
ATAD11440	50.03 (4.65)
ATAD11444	53.67 (4.99)
ATAD11448	57.32 (5.32)
ATAD11450	60.96 (5.66)
ATAD11454	64.61 (6.00)
ATAD12010	19.74 (1.83)
ATAD12020	31.34 (2.91)
ATAD12024	35.21 (3.27)
ATAD12028	39.08 (3.63)
ATAD12030	42.95 (3.99)
ATAD12034	46.82 (4.35)
ATAD12038	50.68 (4.71)
ATAD12040	54.55 (5.07)
ATAD12044	58.42 (5.43)
ATAD12048	62.29 (5.79)
ATAD12050	66.16 (6.15)
ATAD12054	70.02 (6.51)

• Dimensions in parentheses are in square meters.

# SPECIALTY WINDOWS

**Table of Direct-Set Arch Window Sizes** (continued)

Notes on the next page also apply to this page.

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	8'-7 1/4" (2623)	8'-10 7/16" (2704)	9'-3 1/4" (2826)	9'-11 1/4" (3029)
Minimum Rough Opening	8'-8" (2642)	8'-11" (2718)	9'-4" (2845)	10'-0" (3048)
Unobstructed Glass	99 1/4" (2521)	102 7/16" (2602)	107 1/4" (2724)	115 1/4" (2927)

Window height shown in table

Minimum Rough Opening = window height + 3/4" (19)

Unobstructed Glass = window height - 4" (102)

CUSTOM SIZES AVAILABLE				
Radius	120" (3048)	120" (3048)	120" (3048)	120" (3048)
Chord Height				
Shoulder Height				
11 1/4" (286)				
23 1/4" (591)				
27 1/4" (692)				
31 1/4" (794)				
35 1/4" (895)				
39 1/4" (997)				
43 1/4" (1099)				
47 1/4" (1200)				
51 1/4" (1302)				
55 1/4" (1403)				

• "Window Dimension" always refers to outside frame to frame dimension.  
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.  
 • Dimensions in parentheses are in millimeters.  
 \*Tempered glass required. Some visual distortion may occur.

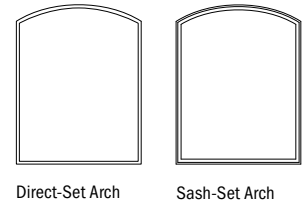


Arch sizes on pages 84-99.

10'-6 1/8" (3203)	11'-3 1/4" (3435)	11'-11 1/4" (3639)
10'-8" (3251)	11'-4" (3454)	12'-0" (3658)
123 1/4" (3131)	131 1/4" (3334)	139 1/4" (3537)



Custom-size windows are available in 1/8" (3) increments. Contact your Andersen supplier for more information.



Direct-Set Arch      Sash-Set Arch

**Direct-set (ATAD) window sizes shown.** Use window dimensions and minimum rough opening formula shown for sash-set (ATA) window sizes. For sash-set unobstructed glass dimensions, see pages 98-101.

Details shown on page 115.  
Grille patterns shown on page 109.

132" (3353) 2'-3 19/32" (701)   16 11/32" (415)	144" (3658) 2'-4 1/8" (714)   16 7/8" (428)	144" (3658) 2'-6 5/16" (770)   19 1/16" (485)
ATAD10810	ATAD11410	ATAD12010
3'-3 19/32" (1006)	3'-4 1/8" (1019)	3'-6 5/16" (1075)
ATAD10820*	ATAD11420*	ATAD12020*
3'-7 19/32" (1107)	3'-8 1/8" (1121)	3'-10 5/16" (1177)
ATAD10824*	ATAD11424*	ATAD12024*
3'-11 19/32" (1209)	4'-0 1/8" (1222)	4'-2 5/16" (1278)
ATAD10828*	ATAD11428*	ATAD12028*
4'-3 19/32" (1311)	4'-4 1/8" (1324)	4'-6 5/16" (1380)
ATAD10830*	ATAD11430*	ATAD12030*
4'-7 19/32" (1412)	4'-8 1/8" (1425)	4'-10 5/16" (1481)
ATAD10834*	ATAD11434*	ATAD12034*
4'-11 19/32" (1514)	5'-0 1/8" (1527)	5'-2 5/16" (1583)
ATAD10838*	ATAD11438*	ATAD12038*
5'-3 19/32" (1615)	5'-4 1/8" (1629)	5'-6 5/16" (1685)
ATAD10840*	ATAD11440*	ATAD12040*
5'-7 19/32" (1717)	5'-8 1/8" (1730)	5'-10 5/16" (1786)
ATAD10844*	ATAD11444*	ATAD12044*
5'-11 19/32" (1819)	6'-0 1/8" (1832)	6'-2 5/16" (1888)
ATAD10848*	ATAD11448*	ATAD12048*

continued on next page

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- \*Tempered glass required. Some visual distortion may occur.

# SPECIALTY WINDOWS

**Table of Direct-Set Arch Window Sizes** (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on the next page also apply to this page.

Window Dimension	8'-7 1/4" (2623)	8'-10 7/16" (2704)	9'-3 1/4" (2826)	9'-11 1/4" (3029)
Minimum Rough Opening	8'-8" (2642)	8'-11" (2718)	9'-4" (2845)	10'-0" (3048)
Unobstructed Glass	99 1/4" (2521)	102 7/16" (2602)	107 1/4" (2724)	115 1/4" (2927)

**CUSTOM SIZES AVAILABLE**

Window height shown in table

Minimum Rough Opening = window height + 3/4" (19)  
Unobstructed Glass = window height - 4" (102)

**CUSTOM SIZES AVAILABLE**

Radius  
Chord  
Height

Shoulder Height

120" (3048)

120" (3048)

120" (3048)

11 11/16" (296)

13 21/32" (347)

15 7/8" (403)

59 1/4" (1505)

5'-10 15/16" (1801)

6'-0 29/32" (1852)

6'-3 1/8" (1908)

63 1/4" (1607)

6'-2 15/16" (1903)

6'-4 29/32" (1954)

6'-7 1/8" (2009)

67 1/4" (1708)

6'-6 15/16" (2005)

6'-8 29/32" (2055)

6'-11 1/8" (2111)

71 1/4" (1810)

6'-10 15/16" (2106)

ATAD8850\*

ATAD8854\*

ATAD8858\*

ATAD8860\*

ATAD9450\*

ATAD9454\*

ATAD9458\*

ATAD10050\*

ATAD10054\*

ATAD10058\*

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- Tempered glass required. Some visual distortion may occur.

## Sash-Set Arch Window Unobstructed Glass Dimensions and Area Specifications

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATA2010	16 5/8" (421)	7 5/8" (193)	0.81 (0.08)
ATA2020	16 5/8" (421)	19 1/8" (498)	2.19 (0.20)
ATA2024	16 5/8" (421)	23 3/8" (599)	2.65 (0.25)
ATA2028	16 5/8" (421)	27 5/8" (701)	3.11 (0.29)
ATA2030	16 5/8" (421)	31 5/8" (803)	3.58 (0.33)
ATA2034	16 5/8" (421)	35 5/8" (904)	4.04 (0.37)
ATA2038	16 5/8" (421)	39 5/8" (1006)	4.50 (0.42)
ATA2040	16 5/8" (421)	43 5/8" (1107)	4.96 (0.46)
ATA2044	16 5/8" (421)	47 5/8" (1209)	5.42 (0.50)
ATA2048	16 5/8" (421)	51 5/8" (1311)	5.88 (0.55)
ATA2050	16 5/8" (421)	55 5/8" (1412)	6.34 (0.59)
ATA2054	16 5/8" (421)	59 5/8" (1514)	6.80 (0.63)
ATA2058	16 5/8" (421)	63 5/8" (1615)	7.26 (0.67)
ATA2060	16 5/8" (421)	67 5/8" (1717)	7.72 (0.72)
ATA2064	16 5/8" (421)	71 5/8" (1819)	8.18 (0.76)
ATA2068	16 5/8" (421)	75 5/8" (1920)	8.65 (0.80)
ATA2074	16 5/8" (421)	83 5/8" (2123)	9.57 (0.89)
ATA2080	16 5/8" (421)	91 5/8" (2327)	10.49 (0.97)
ATA2110	17 1/2" (444)	7 1/8" (181)	0.81 (0.07)
ATA2120	17 1/2" (444)	19 1/8" (486)	2.26 (0.21)

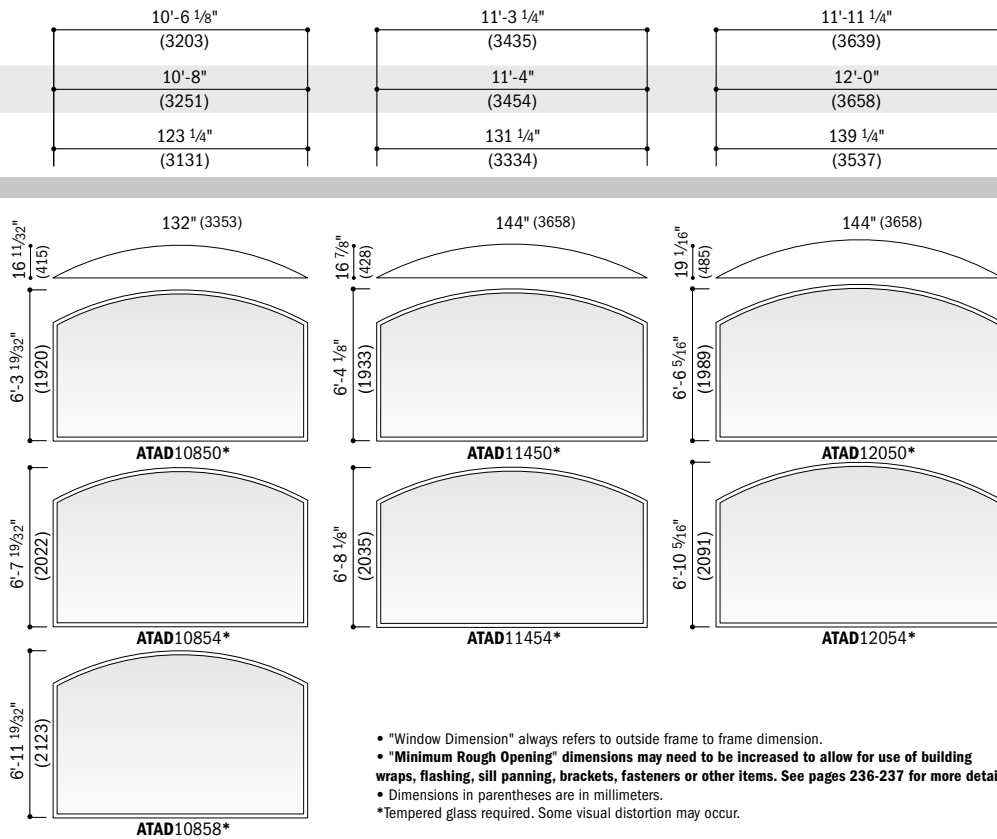
Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATA2124	17 1/2" (444)	23 3/8" (587)	2.75 (0.26)
ATA2128	17 1/2" (444)	27 1/8" (689)	3.23 (0.30)
ATA2130	17 1/2" (444)	31 1/8" (791)	3.72 (0.35)
ATA2410	20 5/8" (523)	7 7/8" (200)	1.03 (0.10)
ATA2420	20 5/8" (523)	19 7/8" (505)	2.74 (0.25)
ATA2424	20 5/8" (523)	23 7/8" (606)	3.32 (0.31)
ATA2428	20 5/8" (523)	27 7/8" (708)	3.89 (0.36)
ATA2430	20 5/8" (523)	31 7/8" (809)	4.46 (0.41)
ATA2434	20 5/8" (523)	35 7/8" (911)	5.03 (0.47)
ATA2438	20 5/8" (523)	39 7/8" (1013)	5.60 (0.52)
ATA2440	20 5/8" (523)	43 7/8" (1114)	6.18 (0.57)
ATA2444	20 5/8" (523)	47 7/8" (1216)	6.75 (0.63)
ATA2448	20 5/8" (523)	51 7/8" (1317)	7.32 (0.68)
ATA2450	20 5/8" (523)	55 7/8" (1419)	7.89 (0.73)
ATA2454	20 5/8" (523)	59 7/8" (1521)	8.46 (0.79)
ATA2458	20 5/8" (523)	63 7/8" (1622)	9.04 (0.84)
ATA2460	20 5/8" (523)	67 7/8" (1724)	9.61 (0.89)
ATA2464	20 5/8" (523)	71 7/8" (1825)	10.18 (0.95)
ATA2468	20 5/8" (523)	75 7/8" (1927)	10.75 (1.00)
ATA2474	20 5/8" (523)	83 7/8" (2130)	11.90 (1.11)

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATA2480	20 5/8" (523)	91 1/8" (2333)	13.04 (1.21)
ATA2610	22 5/8" (574)	8 3/8" (213)	1.19 (0.11)
ATA2620	22 5/8" (574)	20 3/8" (518)	3.07 (0.29)
ATA2624	22 5/8" (574)	24 3/8" (620)	3.70 (0.34)
ATA2628	22 5/8" (574)	28 3/8" (721)	4.33 (0.40)
ATA2630	22 5/8" (574)	32 3/8" (823)	4.95 (0.46)
ATA2634	22 5/8" (574)	36 3/8" (925)	5.58 (0.52)
ATA2638	22 5/8" (574)	40 3/8" (1026)	6.21 (0.58)
ATA2640	22 5/8" (574)	44 3/8" (1128)	6.84 (0.64)
ATA2644	22 5/8" (574)	48 3/8" (1229)	7.47 (0.69)
ATA2648	22 5/8" (574)	52 3/8" (1331)	8.09 (0.75)
ATA2650	22 5/8" (574)	56 3/8" (1433)	8.72 (0.81)
ATA2654	22 5/8" (574)	60 3/8" (1534)	9.35 (0.87)
ATA2658	22 5/8" (574)	64 3/8" (1636)	9.98 (0.93)
ATA2660	22 5/8" (574)	68 3/8" (1737)	10.60 (0.99)
ATA2664	22 5/8" (574)	72 3/8" (1839)	11.23 (1.04)
ATA2668	22 5/8" (574)	76 3/8" (1941)	11.86 (1.10)
ATA2674	22 5/8" (574)	84 3/8" (2144)	13.11 (1.22)
ATA2680	22 5/8" (574)	92 3/8" (2347)	14.37 (1.33)

• Dimensions in parentheses are in millimeters or square meters.

continued on next page

Arch sizes on pages 84-99.



- \*Window Dimension\* always refers to outside frame to frame dimension.
- \*Minimum Rough Opening\* dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- \*Tempered glass required. Some visual distortion may occur.



Custom-size windows are available in 1/8" (3) increments. Contact your Andersen supplier for more information.

**Direct-set (ATAD) window sizes shown.** Use window dimensions and minimum rough opening formula shown for sash-set (ATA) window sizes. For sash-set unobstructed glass dimensions, see pages 98-101.

Details shown on page 115.  
Grille patterns shown on page 109.

Sash-Set Arch Window Unobstructed Glass Dimensions and Area Specifications (continued)

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATA2710	23 1/2" (596)	7 7/8" (201)	1.17 (0.11)
ATA2720	23 1/2" (596)	19 7/8" (505)	3.13 (0.29)
ATA2724	23 1/2" (596)	23 7/8" (607)	3.78 (0.35)
ATA2728	23 1/2" (596)	27 7/8" (709)	4.43 (0.41)
ATA2730	23 1/2" (596)	31 7/8" (810)	5.08 (0.47)
ATA2810	24 3/8" (625)	8 3/16" (207)	1.26 (0.12)
ATA2820	24 3/8" (625)	20 3/16" (512)	3.31 (0.31)
ATA2824	24 3/8" (625)	24 3/16" (614)	3.99 (0.37)
ATA2828	24 3/8" (625)	28 3/16" (715)	4.68 (0.43)
ATA2830	24 3/8" (625)	32 3/16" (817)	5.36 (0.50)
ATA2834	24 3/8" (625)	36 3/16" (919)	6.04 (0.56)
ATA2838	24 3/8" (625)	40 3/16" (1020)	6.72 (0.62)
ATA2840	24 3/8" (625)	44 3/16" (1122)	7.41 (0.69)
ATA2844	24 3/8" (625)	48 3/16" (1223)	8.09 (0.75)
ATA2848	24 3/8" (625)	52 3/16" (1325)	8.77 (0.82)
ATA2850	24 3/8" (625)	56 3/16" (1427)	9.46 (0.88)
ATA2854	24 3/8" (625)	60 3/16" (1528)	10.14 (0.94)
ATA2858	24 3/8" (625)	64 3/16" (1630)	10.82 (1.01)
ATA2860	24 3/8" (625)	68 3/16" (1731)	11.51 (1.07)
ATA2864	24 3/8" (625)	72 3/16" (1833)	12.19 (1.13)
ATA2868	24 3/8" (625)	76 3/16" (1935)	12.87 (1.20)
ATA2874	24 3/8" (625)	84 3/16" (2138)	14.24 (1.32)
ATA2880	24 3/8" (625)	92 3/16" (2341)	15.61 (1.45)
ATA2910	25 1/2" (647)	8 3/8" (213)	1.33 (0.12)
ATA2920	25 1/2" (647)	20 3/8" (518)	3.45 (0.32)
ATA2924	25 1/2" (647)	24 3/8" (619)	4.16 (0.39)
ATA2928	25 1/2" (647)	28 3/8" (721)	4.87 (0.45)

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATA2930	25 1/2" (647)	32 3/8" (822)	5.58 (0.52)
ATA2910G	25 3/4" (653)	8 7/16" (214)	1.35 (0.13)
ATA2920G	25 3/4" (653)	20 7/16" (519)	3.50 (0.32)
ATA2924G	25 3/4" (653)	24 7/16" (621)	4.21 (0.39)
ATA2928G	25 3/4" (653)	28 7/16" (722)	4.92 (0.46)
ATA2930G	25 3/4" (653)	32 7/16" (824)	5.64 (0.52)
ATA21010	26 3/8" (675)	8 11/16" (220)	1.43 (0.13)
ATA21020	26 3/8" (675)	20 11/16" (525)	3.65 (0.34)
ATA21024	26 3/8" (675)	24 11/16" (626)	4.38 (0.41)
ATA21028	26 3/8" (675)	28 11/16" (728)	5.12 (0.48)
ATA21030	26 3/8" (675)	32 11/16" (830)	5.86 (0.54)
ATA21034	26 3/8" (675)	36 11/16" (931)	6.60 (0.61)
ATA21038	26 3/8" (675)	40 11/16" (1033)	7.34 (0.68)
ATA21040	26 3/8" (675)	44 11/16" (1134)	8.08 (0.75)
ATA21044	26 3/8" (675)	48 11/16" (1236)	8.82 (0.82)
ATA21048	26 3/8" (675)	52 11/16" (1338)	9.55 (0.89)
ATA21050	26 3/8" (675)	56 11/16" (1439)	10.29 (0.96)
ATA21054	26 3/8" (675)	60 11/16" (1541)	11.03 (1.02)
ATA21058	26 3/8" (675)	64 11/16" (1642)	11.77 (1.09)
ATA21060	26 3/8" (675)	68 11/16" (1744)	12.51 (1.16)
ATA21064	26 3/8" (675)	72 11/16" (1846)	13.25 (1.23)
ATA21068	26 3/8" (675)	76 11/16" (1947)	13.99 (1.30)
ATA21074	26 3/8" (675)	84 11/16" (2150)	15.46 (1.44)
ATA21080	26 3/8" (675)	92 11/16" (2354)	16.94 (1.57)
ATA3010	28 3/8" (726)	9 3/16" (234)	1.61 (0.15)
ATA3020	28 3/8" (726)	21 3/16" (539)	4.00 (0.37)
ATA3024	28 3/8" (726)	25 3/16" (640)	4.79 (0.45)

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATA3028	28 3/8" (726)	29 3/16" (742)	5.59 (0.52)
ATA3030	28 3/8" (726)	33 3/16" (843)	6.38 (0.59)
ATA3034	28 3/8" (726)	37 3/16" (945)	7.17 (0.67)
ATA3038	28 3/8" (726)	41 3/16" (1047)	7.97 (0.74)
ATA3040	28 3/8" (726)	45 3/16" (1148)	8.76 (0.81)
ATA3044	28 3/8" (726)	49 3/16" (1250)	9.56 (0.89)
ATA3048	28 3/8" (726)	53 3/16" (1351)	10.35 (0.96)
ATA3050	28 3/8" (726)	57 3/16" (1453)	11.15 (1.04)
ATA3054	28 3/8" (726)	61 3/16" (1555)	11.94 (1.11)
ATA3058	28 3/8" (726)	65 3/16" (1656)	12.73 (1.18)
ATA3060	28 3/8" (726)	69 3/16" (1758)	13.53 (1.26)
ATA3064	28 3/8" (726)	73 3/16" (1859)	14.32 (1.33)
ATA3068	28 3/8" (726)	77 3/16" (1961)	15.12 (1.40)
ATA3074	28 3/8" (726)	85 3/16" (2164)	16.71 (1.55)
ATA3080	28 3/8" (726)	93 3/16" (2367)	18.29 (1.70)
ATA3110	29 1/2" (749)	9 7/16" (240)	1.70 (0.16)
ATA3120	29 1/2" (749)	21 7/16" (545)	4.16 (0.39)
ATA3124	29 1/2" (749)	25 7/16" (647)	4.97 (0.46)
ATA3128	29 1/2" (749)	29 7/16" (748)	5.79 (0.54)
ATA3130	29 1/2" (749)	33 7/16" (850)	6.61 (0.61)
ATA3210	30 5/8" (777)	8 15/16" (227)	1.68 (0.16)
ATA3220	30 5/8" (777)	20 15/16" (532)	4.23 (0.39)
ATA3224	30 5/8" (777)	24 15/16" (634)	5.08 (0.47)
ATA3228	30 5/8" (777)	28 15/16" (735)	5.93 (0.55)
ATA3230	30 5/8" (777)	32 15/16" (837)	6.78 (0.63)

\*Dimensions in parentheses are in millimeters or square meters.

continued on next page





# SPECIALTY WINDOWS

**Table of Direct-Set Springline™ Window Sizes**

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on page 110 also apply to this page.

Window Width Dimension	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-7 1/4" (794)	2'-9 1/4" (845)	2'-11 1/4" (895)	3'-1 1/4" (946)	3'-3 1/4" (997)
<b>Minimum Rough Opening</b>	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-6" (762)	2'-8" (813)	2'-10" (864)	3'-0" (914)	3'-2" (965)	3'-4" (1016)
Unobstructed Glass	15 1/4" (387)	19 1/4" (489)	23 1/4" (591)	25 1/4" (641)	27 1/4" (692)	29 1/4" (743)	31 1/4" (794)	33 1/4" (845)	35 1/4" (895)

**CUSTOM SIZES AVAILABLE**

Window height shown in table

Radius	9 5/8" (244)	11 5/8" (295)	13 5/8" (346)	14 5/8" (371)	15 5/8" (397)	16 5/8" (422)	17 5/8" (448)	18 5/8" (473)	19 5/8" (498)
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Chord Height	9 5/8" (244)	11 5/8" (295)	13 5/8" (346)	14 5/8" (371)	15 5/8" (397)	16 5/8" (422)	17 5/8" (448)	18 5/8" (473)	19 5/8" (498)
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Shoulder Height	6 1/4" (159)	1'-3 7/8" (403)	1'-5 7/8" (454)	1'-7 7/8" (505)	1'-8 7/8" (530)	1'-9 7/8" (556)	1'-10 7/8" (581)	1'-11 7/8" (606)	2'-0 7/8" (632)	2'-1 7/8" (657)
	ATSD1807	ATSD2007	ATSD2407	ATSD2607	ATSD2807	ATSD21007	ATSD3007	ATSD3207	ATSD3407	

Shoulder Height	11 1/4" (286)	1'-8 7/8" (530)	1'-10 7/8" (581)	2'-0 7/8" (632)	2'-1 7/8" (657)	2'-2 7/8" (683)	2'-3 7/8" (708)	2'-4 7/8" (733)	2'-5 7/8" (759)	2'-6 7/8" (784)
	ATSD1810	ATSD2010	ATSD2410	ATSD2610	ATSD2810	ATSD21010	ATSD3010	ATSD3210	ATSD3410	

Shoulder Height	23 1/4" (591)	2'-8 7/8" (635)	2'-10 7/8" (686)	3'-0 7/8" (937)	3'-1 7/8" (962)	3'-2 7/8" (987)	3'-3 7/8" (1013)	3'-4 7/8" (1038)	3'-5 7/8" (1064)	3'-6 7/8" (1089)
	ATSD1820	ATSD2020	ATSD2420	ATSD2620	ATSD2820	ATSD21020	ATSD3020	ATSD3220	ATSD3420	

Shoulder Height	27 1/4" (692)	3'-0 7/8" (937)	3'-2 7/8" (987)	3'-4 7/8" (1038)	3'-5 7/8" (1064)	3'-6 7/8" (1089)	3'-7 7/8" (1114)	3'-8 7/8" (1140)	3'-9 7/8" (1166)	3'-10 7/8" (1191)
	ATSD1824	ATSD2024	ATSD2424	ATSD2624	ATSD2824	ATSD21024	ATSD3024	ATSD3224	ATSD3424	

Shoulder Height	31 1/4" (794)	3'-4 7/8" (1038)	3'-6 7/8" (1089)	3'-8 7/8" (1140)	3'-9 7/8" (1166)	3'-10 7/8" (1191)	3'-11 7/8" (1216)	4'-0 7/8" (1241)	4'-1 7/8" (1267)	4'-2 7/8" (1292)
	ATSD1828	ATSD2028	ATSD2428	ATSD2628	ATSD2828	ATSD21028	ATSD3028	ATSD3228	ATSD3428	

Shoulder Height	35 1/4" (895)	3'-8 7/8" (1140)	3'-10 7/8" (1191)	4'-0 7/8" (1241)	4'-1 7/8" (1267)	4'-2 7/8" (1292)	4'-3 7/8" (1318)	4'-4 7/8" (1343)	4'-5 7/8" (1368)	4'-6 7/8" (1394)
	ATSD1830	ATSD2030	ATSD2430	ATSD2630	ATSD2830	ATSD21030	ATSD3030	ATSD3230	ATSD3430	

Shoulder Height	39 1/4" (997)	4'-0 7/8" (1241)	4'-2 7/8" (1292)	4'-4 7/8" (1343)	4'-5 7/8" (1368)	4'-6 7/8" (1394)	4'-7 7/8" (1419)	4'-8 7/8" (1445)	4'-9 7/8" (1470)	4'-10 7/8" (1495)
	ATSD1834	ATSD2034	ATSD2434	ATSD2634	ATSD2834	ATSD21034	ATSD3034	ATSD3234	ATSD3434	

Shoulder Height	43 1/4" (1099)	4'-4 7/8" (1343)	4'-6 7/8" (1394)	4'-8 7/8" (1445)	4'-9 7/8" (1470)	4'-10 7/8" (1495)	4'-11 7/8" (1521)	5'-0 7/8" (1546)	5'-1 7/8" (1572)	5'-2 7/8" (1597)
	ATSD1838	ATSD2038	ATSD2438	ATSD2638	ATSD2838	ATSD21038	ATSD3038	ATSD3238	ATSD3438	

**Minimum Rough Opening = window height + 3/4" (19)**  
**Unobstructed Glass = window height - 4" (102)**  
**CUSTOM SIZES AVAILABLE**

• "Window Dimension" always refers to outside frame to frame dimension.  
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.  
 • Dimensions in parentheses are in millimeters.





Notes on page 110 also apply to this page. Springline™ sizes on pages 102-112.

3'-7 1/4" (1099)	3'-11 1/4" (1200)	4'-3 1/4" (1302)	4'-7 1/4" (1403)	4'-11 1/4" (1505)	5'-3 1/4" (1607)	5'-7 1/4" (1708)	5'-11 1/4" (1810)
3'-8" (1118)	4'-0" (1219)	4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
39 1/4" (997)	43 1/4" (1099)	47 1/4" (1200)	51 1/4" (1302)	55 1/4" (1403)	59 1/4" (1505)	63 1/4" (1607)	67 1/4" (1708)
21 5/8" (549)	23 5/8" (600)	25 5/8" (651)	27 5/8" (702)	29 5/8" (752)	31 5/8" (803)	33 5/8" (854)	35 5/8" (905)
21 5/8" (549)	23 5/8" (600)	25 5/8" (651)	27 5/8" (702)	29 5/8" (752)	31 5/8" (803)	33 5/8" (854)	35 5/8" (905)
2'-3 7/8" (708)	2'-5 7/8" (759)	2'-7 7/8" (810)	2'-9 7/8" (860)	2'-11 7/8" (911)	3'-1 7/8" (962)	3'-3 7/8" (1013)	3'-5 7/8" (1064)
ATSD3807	ATSD4007	ATSD4407	ATSD4807	ATSD5007	ATSD5407	ATSD5807	ATSD6007
2'-8 7/8" (835)	2'-10 7/8" (886)	3'-0 7/8" (937)	3'-2 7/8" (987)	3'-4 7/8" (1038)	3'-6 7/8" (1089)	3'-8 7/8" (1140)	3'-10 7/8" (1191)
ATSD3810	ATSD4010	ATSD4410	ATSD4810	ATSD5010	ATSD5410	ATSD5810	ATSD6010
3'-8 7/8" (1140)	3'-10 7/8" (1191)	4'-0 7/8" (1241)	4'-2 7/8" (1292)	4'-4 7/8" (1343)	4'-6 7/8" (1394)	4'-8 7/8" (1445)	4'-10 7/8" (1495)
ATSD3820	ATSD4020	ATSD4420	ATSD4820	ATSD5020	ATSD5420	ATSD5820	ATSD6020
4'-0 7/8" (1241)	4'-2 7/8" (1292)	4'-4 7/8" (1343)	4'-6 7/8" (1394)	4'-8 7/8" (1445)	4'-10 7/8" (1495)	5'-0 7/8" (1546)	5'-2 7/8" (1597)
ATSD3824	ATSD4024	ATSD4424	ATSD4824	ATSD5024	ATSD5424	ATSD5824	ATSD6024
4'-4 7/8" (1343)	4'-6 7/8" (1394)	4'-8 7/8" (1445)	4'-10 7/8" (1495)	5'-0 7/8" (1546)	5'-2 7/8" (1597)	5'-4 7/8" (1648)	5'-6 7/8" (1699)
ATSD3828	ATSD4028*	ATSD4428*	ATSD4828*	ATSD5028	ATSD5428	ATSD5828	ATSD6028
4'-8 7/8" (1445)	4'-10 7/8" (1495)	5'-0 7/8" (1546)	5'-2 7/8" (1597)	5'-4 7/8" (1648)	5'-6 7/8" (1699)	5'-8 7/8" (1749)	5'-10 7/8" (1800)
ATSD3830	ATSD4030	ATSD4430	ATSD4830	ATSD5030	ATSD5430	ATSD5830	ATSD6030
5'-0 7/8" (1546)	5'-2 7/8" (1597)	5'-4 7/8" (1648)	5'-6 7/8" (1699)	5'-8 7/8" (1749)	5'-10 7/8" (1800)	6'-0 7/8" (1851)	6'-2 7/8" (1902)
ATSD3834	ATSD4034	ATSD4434	ATSD4834	ATSD5034	ATSD5434	ATSD5834	ATSD6034
5'-4 7/8" (1648)	5'-6 7/8" (1699)	5'-8 7/8" (1749)	5'-10 7/8" (1800)	6'-0 7/8" (1851)	6'-2 7/8" (1902)	6'-4 7/8" (1953)	6'-6 7/8" (2003)
ATSD3838	ATSD4038	ATSD4438	ATSD4838	ATSD5038	ATSD5438	ATSD5838	ATSD6038

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- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.

# SPECIALTY WINDOWS

**Table of Direct-Set Springline™ Window Sizes** (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on page 110 also apply to this page.

Window Width Dimension	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-7 1/4" (794)	2'-9 1/4" (845)	2'-11 1/4" (895)	3'-1 1/4" (946)	3'-3 1/4" (997)
<b>Minimum Rough Opening</b>	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-6" (762)	2'-8" (813)	2'-10" (864)	3'-0" (914)	3'-2" (965)	3'-4" (1016)
Unobstructed Glass	15 1/4" (387)	19 1/4" (489)	23 1/4" (591)	25 1/4" (641)	27 1/4" (692)	29 1/4" (743)	31 1/4" (794)	33 1/4" (845)	35 1/4" (895)

**CUSTOM SIZES AVAILABLE**

Window height shown in table	Radius	9 5/8" (244)	11 5/8" (295)	13 5/8" (346)	14 5/8" (371)	15 5/8" (397)	16 5/8" (422)	17 5/8" (448)	18 5/8" (473)	19 5/8" (498)
Chord Height		9 5/8" (244)	11 5/8" (295)	13 5/8" (346)	14 5/8" (371)	15 5/8" (397)	16 5/8" (422)	17 5/8" (448)	18 5/8" (473)	19 5/8" (498)
Shoulder Height	47 1/4" (1200)	47 1/4" (1200)	47 1/4" (1200)	47 1/4" (1200)	47 1/4" (1200)	47 1/4" (1200)	47 1/4" (1200)	47 1/4" (1200)	47 1/4" (1200)	47 1/4" (1200)
		ATSD1840	ATSD2040	ATSD2440	ATSD2640	ATSD2840	ATSD21040	ATSD3040	ATSD3240	ATSD3440
51 1/4" (1302)		ATSD1844	ATSD2044	ATSD2444	ATSD2644	ATSD2844	ATSD21044	ATSD3044	ATSD3244	ATSD3444
55 1/4" (1403)		ATSD1848	ATSD2048	ATSD2448	ATSD2648	ATSD2848	ATSD21048	ATSD3048	ATSD3248	ATSD3448
59 1/4" (1505)		ATSD1850	ATSD2050	ATSD2450	ATSD2650	ATSD2850	ATSD21050	ATSD3050	ATSD3250	ATSD3450
63 1/4" (1607)		ATSD1854	ATSD2054	ATSD2454	ATSD2654	ATSD2854	ATSD21054	ATSD3054	ATSD3254	ATSD3454
67 1/4" (1708)		ATSD1858	ATSD2058	ATSD2458	ATSD2658	ATSD2858	ATSD21058	ATSD3058	ATSD3258	ATSD3458

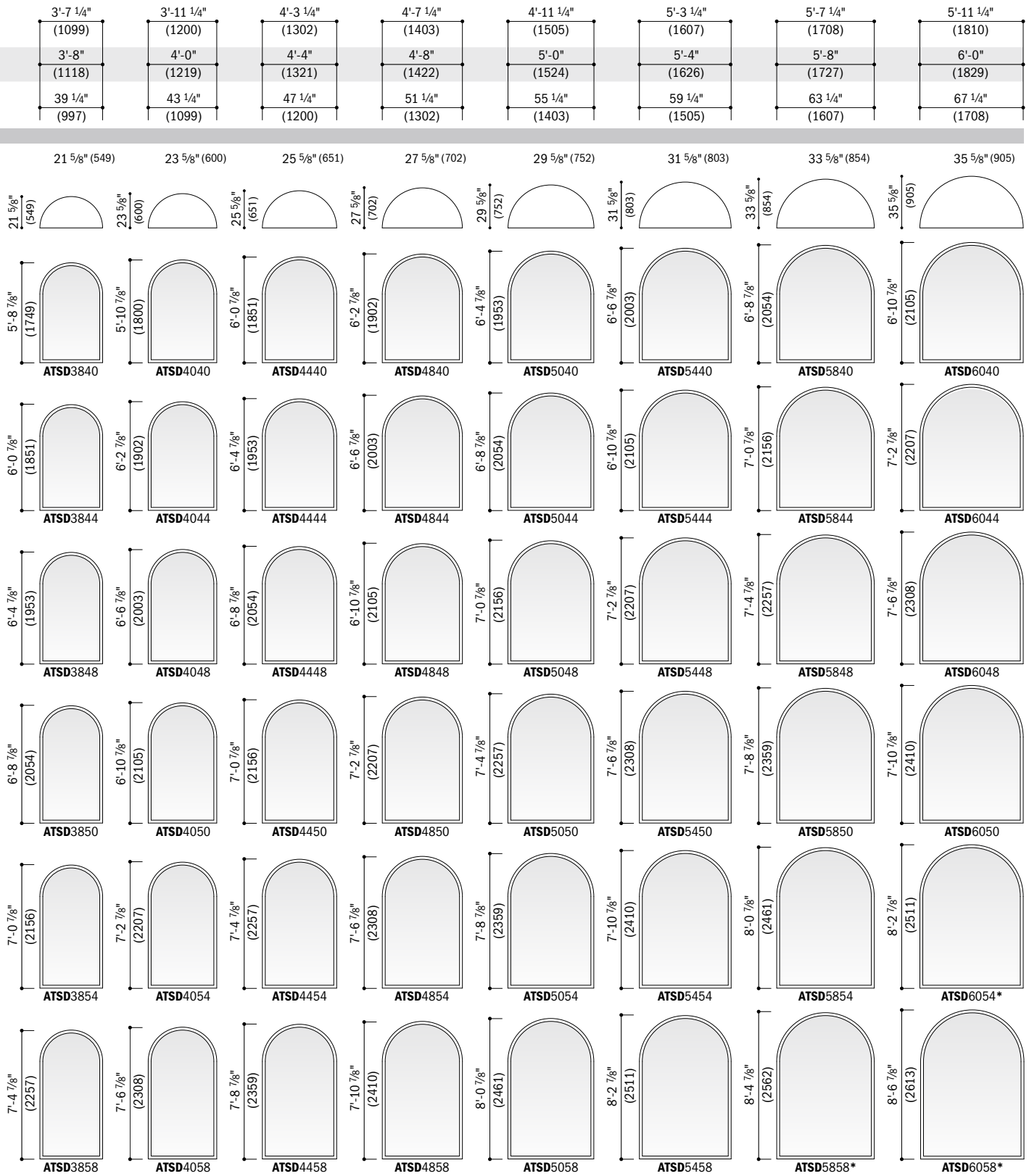
**Minimum Rough Opening = window height + 3/4" (19)**  
 Unobstructed Glass = window height - 4" (102)

**CUSTOM SIZES AVAILABLE**

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.



Notes on page 110 also apply to this page. Springline™ sizes on pages 102-112.



continued on next page

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- \*Tempered glass required. Some visual distortion may occur.

# SPECIALTY WINDOWS

**Table of Direct-Set Springline™ Window Sizes** (continued)

Notes on page 110 also apply to this page.

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Width Dimension	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-7 1/4" (794)	2'-9 1/4" (845)	2'-11 1/4" (895)	3'-1 1/4" (946)	3'-3 1/4" (997)
<b>Minimum Rough Opening</b>	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-6" (762)	2'-8" (813)	2'-10" (864)	3'-0" (914)	3'-2" (965)	3'-4" (1016)
Unobstructed Glass	15 1/4" (387)	19 1/4" (489)	23 1/4" (591)	25 1/4" (641)	27 1/4" (692)	29 1/4" (743)	31 1/4" (794)	33 1/4" (845)	35 1/4" (895)

**CUSTOM SIZES AVAILABLE**

Window height shown in table

Radius	9 5/8" (244)	11 5/8" (295)	13 5/8" (346)	14 5/8" (371)	15 5/8" (397)	16 5/8" (422)	17 5/8" (448)	18 5/8" (473)	19 5/8" (498)
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Chord Height	9 5/8" (244)	11 5/8" (295)	13 5/8" (346)	14 5/8" (371)	15 5/8" (397)	16 5/8" (422)	17 5/8" (448)	18 5/8" (473)	19 5/8" (498)
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**Minimum Rough Opening = window height + 3/4" (19)**  
Unobstructed Glass = window height - 4" (102)

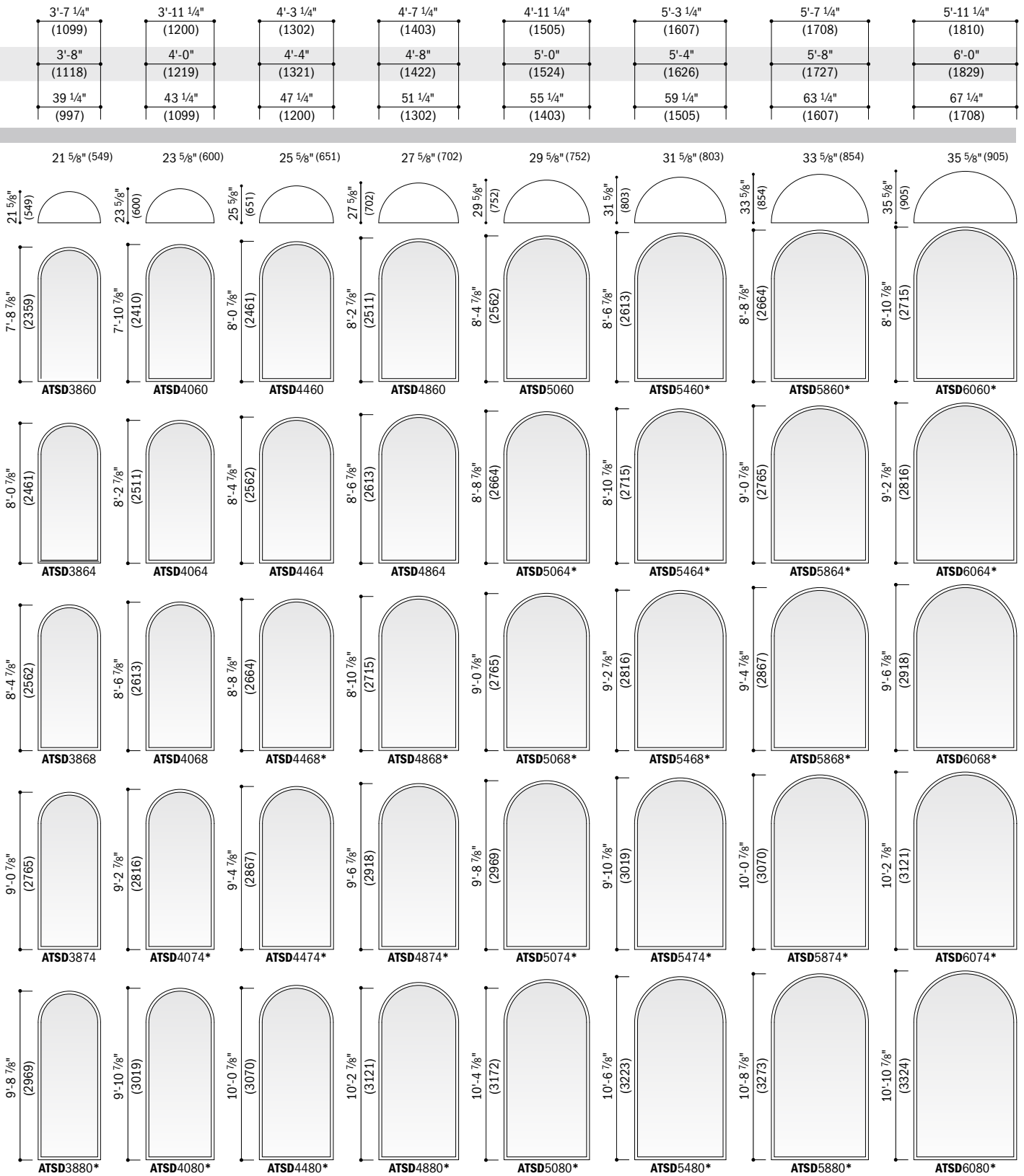
**CUSTOM SIZES AVAILABLE**

Shoulder Height	71 1/4" (1810)	6'-10 7/8" (2105)	7'-0 7/8" (2156)	7'-1 7/8" (2181)	7'-2 7/8" (2207)	7'-3 7/8" (2232)	7'-4 7/8" (2257)	7'-5 7/8" (2283)	7'-6 7/8" (2308)
Model	ATSD1860	ATSD2060	ATSD2460	ATSD2660	ATSD2860	ATSD21060	ATSD3060	ATSD3260	ATSD3460
Shoulder Height	75 1/4" (1911)	7'-0 7/8" (2156)	7'-2 7/8" (2207)	7'-4 7/8" (2257)	7'-5 7/8" (2283)	7'-6 7/8" (2308)	7'-7 7/8" (2334)	7'-8 7/8" (2359)	7'-9 7/8" (2384)
Model	ATSD1864	ATSD2064	ATSD2464	ATSD2664	ATSD2864	ATSD21064	ATSD3064	ATSD3264	ATSD3464
Shoulder Height	79 1/4" (2013)	7'-4 7/8" (2257)	7'-6 7/8" (2308)	7'-8 7/8" (2359)	7'-9 7/8" (2384)	7'-10 7/8" (2410)	7'-11 7/8" (2435)	8'-0 7/8" (2461)	8'-1 7/8" (2486)
Model	ATSD1868	ATSD2068	ATSD2468	ATSD2668	ATSD2868	ATSD21068	ATSD3068	ATSD3268	ATSD3468
Shoulder Height	87 1/4" (2216)	8'-0 7/8" (2461)	8'-2 7/8" (2511)	8'-4 7/8" (2562)	8'-5 7/8" (2588)	8'-6 7/8" (2613)	8'-7 7/8" (2638)	8'-8 7/8" (2664)	8'-9 7/8" (2689)
Model	ATSD1874	ATSD2074	ATSD2474	ATSD2674	ATSD2874	ATSD21074	ATSD3074	ATSD3274	ATSD3474
Shoulder Height	95 1/4" (2419)	8'-8 7/8" (2664)	8'-10 7/8" (2715)	9'-0 7/8" (2765)	9'-1 7/8" (2791)	9'-2 7/8" (2816)	9'-3 7/8" (2842)	9'-4 7/8" (2867)	9'-5 7/8" (2892)
Model	ATSD1880	ATSD2080	ATSD2480	ATSD2680	ATSD2880	ATSD21080	ATSD3080	ATSD3280	ATSD3480

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.



Notes on page 110 also apply to this page. Springline™ sizes on pages 102-112.



continued on next page

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- \*Tempered glass required. Some visual distortion may occur.

# SPECIALTY WINDOWS

**Table of Direct-Set Springline™ Window Sizes** (continued)

Notes on page 110 also apply to this page. Springline™ sizes on pages 102-112.

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Width Dimension	6'-3 1/4" (1911)	6'-7 1/4" (2013)	6'-11 1/4" (2115)	7'-3 1/4" (2216)	7'-11 1/4" (2419)
<b>Minimum Rough Opening</b>	6'-4" (1930)	6'-8" (2032)	7'-0" (2134)	7'-4" (2235)	8'-0" (2438)
Unobstructed Glass	71 1/4" (1810)	75 1/4" (1911)	79 1/4" (2013)	83 1/4" (2115)	91 1/4" (2318)

Window height shown in table

**CUSTOM SIZES AVAILABLE**

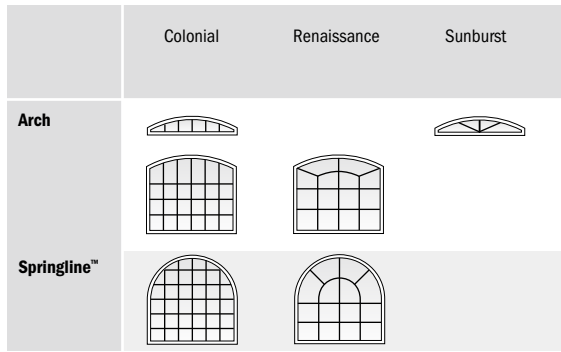
**CUSTOM SIZES AVAILABLE**

Radius	37 5/8" (956)	39 5/8" (1006)	41 5/8" (1057)	43 5/8" (1108)	47 5/8" (1210)
Chord Height	37 5/8" (956)	39 5/8" (1006)	41 5/8" (1057)	43 5/8" (1108)	47 5/8" (1210)
Shoulder Height	6 1/4" (159)	3-9 7/8" (1165)	3-11 7/8" (1216)	4-1 7/8" (1267)	4-5 7/8" (1368)
Unobstructed Glass = window height - 4" (102)	11 1/4" (286)	4'-2 7/8" (1292)	4'-4 7/8" (1343)	4'-6 7/8" (1394)	4'-10 7/8" (1495)
Minimum Rough Opening = window height + 3/4" (19)	23 1/4" (591)	5'-2 7/8" (1597)	5'-4 7/8" (1648)	5'-6 7/8" (1699)	5'-10 7/8" (1800)
	27 1/4" (692)	5'-6 7/8" (1699)	5'-8 7/8" (1749)	5'-10 7/8" (1800)	6'-2 7/8" (1902)
	31 1/4" (794)	5'-10 7/8" (1800)	6'-0 7/8" (1851)	6'-2 7/8" (1902)	6'-6 7/8" (2003)
	35 1/4" (895)	6'-0 7/8" (1851)	6'-4 7/8" (1953)	6'-6 7/8" (2003)	6'-10 7/8" (2105)
	39 1/4" (997)	6'-4 7/8" (1953)	6'-8 7/8" (2054)	6'-10 7/8" (2105)	
	43 1/4" (1099)	6'-8 7/8" (2054)	7'-0 7/8" (2156)		
	<b>ATSD6407</b>	<b>ATSD6807</b>	<b>ATSD7007</b>	<b>ATSD7407</b>	<b>ATSD8007</b>
	<b>ATSD6410</b>	<b>ATSD6810</b>	<b>ATSD7010</b>	<b>ATSD7410</b>	<b>ATSD8010</b>
	<b>ATSD6420</b>	<b>ATSD6820</b>	<b>ATSD7020</b>	<b>ATSD7420</b>	<b>ATSD8020*</b>
	<b>ATSD6424</b>	<b>ATSD6824</b>	<b>ATSD7024</b>	<b>ATSD7424</b>	<b>ATSD8024*</b>
	<b>ATSD6428</b>	<b>ATSD6828</b>	<b>ATSD7028</b>	<b>ATSD7428</b>	<b>ATSD8028*</b>
	<b>ATSD6430</b>	<b>ATSD6830</b>	<b>ATSD7030</b>	<b>ATSD7430*</b>	<b>ATSD8030*</b>
	<b>ATSD6434</b>	<b>ATSD6834</b>	<b>ATSD7034</b>	<b>ATSD7434*</b>	
	<b>ATSD6438</b>	<b>ATSD6838</b>	<b>ATSD7038*</b>		

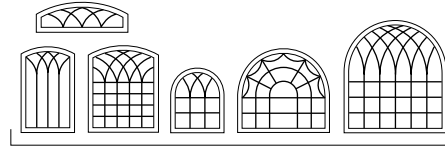
continued on page 110

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- \*Tempered glass required. Some visual distortion may occur.

**Grille Patterns**



**Number of lights and overall pattern varies with window size. Patterns are not available in all configurations.** Specified equal light and custom patterns are also available. For more information on divided light, see pages 12-13 or visit [andersenwindows.com/grilles](http://andersenwindows.com/grilles).



Custom Pattern Examples

**Direct-Set Springline™  
Window Area Specifications**

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATSD1807	1.08 (0.10)
ATSD1810	1.61 (0.15)
ATSD1820	2.88 (0.27)
ATSD1824	3.31 (0.31)
ATSD1828	3.73 (0.35)
ATSD1830	4.16 (0.39)
ATSD1834	4.58 (0.43)
ATSD1838	5.00 (0.46)
ATSD1840	5.43 (0.50)
ATSD1844	5.85 (0.54)
ATSD1848	6.27 (0.58)
ATSD1850	6.70 (0.62)
ATSD1854	7.12 (0.66)
ATSD1858	7.54 (0.70)
ATSD1860	7.97 (0.74)
ATSD1864	8.39 (0.78)
ATSD1868	8.82 (0.82)
ATSD1874	9.66 (0.90)
ATSD1880	10.51 (0.98)
ATSD2007	1.58 (0.15)
ATSD2010	2.25 (0.21)
ATSD2020	3.85 (0.36)
ATSD2024	4.39 (0.41)
ATSD2028	4.92 (0.46)
ATSD2030	5.46 (0.51)
ATSD2034	5.99 (0.56)
ATSD2038	6.52 (0.61)
ATSD2040	7.06 (0.66)
ATSD2044	7.59 (0.71)
ATSD2048	8.13 (0.76)
ATSD2050	8.66 (0.80)
ATSD2054	9.20 (0.85)
ATSD2058	9.73 (0.90)
ATSD2060	10.27 (0.95)
ATSD2064	10.80 (1.00)
ATSD2068	11.34 (1.05)
ATSD2074	12.41 (1.15)
ATSD2080	13.48 (1.25)
ATSD2407	2.16 (0.20)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATSD2410	2.97 (0.28)
ATSD2420	4.91 (0.46)
ATSD2424	5.55 (0.52)
ATSD2428	6.20 (0.58)
ATSD2430	6.84 (0.64)
ATSD2434	7.49 (0.70)
ATSD2438	8.13 (0.76)
ATSD2440	8.78 (0.82)
ATSD2444	9.43 (0.88)
ATSD2448	10.07 (0.94)
ATSD2450	10.72 (1.00)
ATSD2454	11.36 (1.06)
ATSD2458	12.01 (1.12)
ATSD2460	12.66 (1.18)
ATSD2464	13.30 (1.24)
ATSD2468	13.95 (1.30)
ATSD2474	15.24 (1.42)
ATSD2480	16.53 (1.54)
ATSD2607	2.48 (0.23)
ATSD2610	3.36 (0.31)
ATSD2620	5.46 (0.51)
ATSD2624	6.17 (0.57)
ATSD2628	6.87 (0.64)
ATSD2630	7.57 (0.70)
ATSD2634	8.27 (0.77)
ATSD2638	8.97 (0.83)
ATSD2640	9.67 (0.90)
ATSD2644	10.37 (0.96)
ATSD2648	11.08 (1.03)
ATSD2650	11.78 (1.09)
ATSD2654	12.48 (1.16)
ATSD2658	13.18 (1.22)
ATSD2660	13.88 (1.29)
ATSD2664	14.58 (1.35)
ATSD2668	15.28 (1.42)
ATSD2674	16.69 (1.55)
ATSD2680	18.09 (1.68)
ATSD2807	2.83 (0.26)
ATSD2810	3.78 (0.35)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATSD2820	6.05 (0.56)
ATSD2824	6.80 (0.63)
ATSD2828	7.56 (0.70)
ATSD2830	8.32 (0.77)
ATSD2834	9.07 (0.84)
ATSD2838	9.83 (0.91)
ATSD2840	10.59 (0.98)
ATSD2844	11.34 (1.05)
ATSD2848	12.10 (1.12)
ATSD2850	12.86 (1.19)
ATSD2854	13.62 (1.26)
ATSD2858	14.37 (1.34)
ATSD2860	15.13 (1.41)
ATSD2864	15.89 (1.48)
ATSD2868	16.64 (1.55)
ATSD2874	18.16 (1.69)
ATSD2880	19.67 (1.83)
ATSD21007	3.20 (0.30)
ATSD21010	4.21 (0.39)
ATSD21020	6.65 (0.62)
ATSD21024	7.46 (0.69)
ATSD21028	8.27 (0.77)
ATSD21030	9.09 (0.84)
ATSD21034	9.90 (0.92)
ATSD21038	10.71 (1.00)
ATSD21040	11.52 (1.07)
ATSD21044	12.34 (1.15)
ATSD21048	13.15 (1.22)
ATSD21050	13.96 (1.30)
ATSD21054	14.77 (1.37)
ATSD21058	15.59 (1.45)
ATSD21060	16.40 (1.52)
ATSD21064	17.21 (1.60)
ATSD21068	18.02 (1.67)
ATSD21074	19.65 (1.83)
ATSD21080	21.27 (1.98)
ATSD3007	3.59 (0.33)
ATSD3010	4.67 (0.43)
ATSD3020	7.27 (0.68)

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATSD3024	8.14 (0.76)
ATSD3028	9.01 (0.84)
ATSD3030	9.88 (0.92)
ATSD3034	10.75 (1.00)
ATSD3038	11.61 (1.08)
ATSD3040	12.48 (1.16)
ATSD3044	13.35 (1.24)
ATSD3048	14.22 (1.32)
ATSD3050	15.09 (1.40)
ATSD3054	15.96 (1.48)
ATSD3058	16.82 (1.56)
ATSD3060	17.69 (1.64)
ATSD3064	18.56 (1.72)
ATSD3068	19.43 (1.80)
ATSD3074	21.16 (1.97)
ATSD3080	22.90 (2.13)
ATSD3207	4.00 (0.37)
ATSD3210	5.15 (0.48)
ATSD3220	7.92 (0.74)
ATSD3224	8.85 (0.82)
ATSD3228	9.77 (0.91)
ATSD3230	10.69 (0.99)
ATSD3234	11.62 (1.08)
ATSD3238	12.54 (1.16)
ATSD3240	13.46 (1.25)
ATSD3244	14.39 (1.34)
ATSD3248	15.31 (1.42)
ATSD3250	16.23 (1.51)
ATSD3254	17.16 (1.59)
ATSD3258	18.08 (1.68)
ATSD3260	19.00 (1.77)
ATSD3264	19.93 (1.85)
ATSD3268	20.85 (1.94)
ATSD3274	22.70 (2.11)
ATSD3280	24.55 (2.28)
ATSD3407	4.43 (0.41)
ATSD3410	5.65 (0.53)
ATSD3420	8.59 (0.80)

• Dimensions in parentheses are in square meters.

continued on page 111

# SPECIALTY WINDOWS

**Table of Direct-Set Springline™ Window Sizes** (continued from page 108)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Springline™ sizes on pages 102-112.

Window Width Dimension	6'-3 1/4" (1911)	6'-7 1/4" (2013)	6'-11 1/4" (2115)
<b>Minimum Rough Opening</b>	6'-4" (1930)	6'-8" (2032)	7'-0" (2134)
Unobstructed Glass	71 1/4" (1810)	75 1/4" (1911)	79 1/4" (2013)

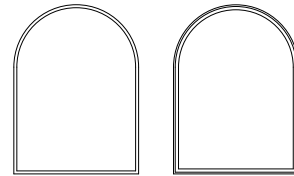
CUSTOM SIZES AVAILABLE					
Window height shown in table	Radius	37 5/8" (956)	39 5/8" (1006)	41 5/8" (1057)	
Chord Height					
Shoulder Height 47 1/4" (1200)					
		ATSD6440	ATSD6840*	ATSD7040*	
	51 1/4" (1302)				
			ATSD6444	ATSD6844*	ATSD7044*
	55 1/4" (1403)				
			ATSD6448*	ATSD6848*	ATSD7048*
	59 1/4" (1505)				
			ATSD6450*	ATSD6850*	ATSD7050*
	63 1/4" (1607)				
			ATSD6454*	ATSD6854*	ATSD7054*
67 1/4" (1708)					
		ATSD6458*	ATSD6858*	ATSD7058*	

**Minimum Rough Opening = window height + 3/4" (19)**  
**Unobstructed Glass = window height - 4" (102)**

CUSTOM SIZES AVAILABLE



Custom-size windows are available in 1/8" (3) increments. Contact your Andersen supplier for more information.



Direct-Set Springline™ Sash-Set Springline™

**Direct-set (ATSD) window sizes shown.**

Use window dimensions and minimum rough opening formula shown for sash-set (ATS) window sizes. For sash-set unobstructed glass dimensions, see pages 109 and 111.

Details shown on page 115.

Grille patterns shown on page 109.

- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- Tempered glass required. Some visual distortion may occur.

continued on page 112



**Direct-Set Springline™**  
**Window Area Specifications** *(continued from page 109)*

Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Window Number	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATSD3424	9.57 (0.89)	ATSD4434	18.31 (1.70)	ATSD5444	29.84 (2.77)	ATSD6454	44.15 (4.10)
ATSD3428	10.55 (0.98)	ATSD4438	19.62 (1.82)	ATSD5448	31.48 (2.92)	ATSD6458	46.13 (4.29)
ATSD3430	11.53 (1.07)	ATSD4440	20.94 (1.94)	ATSD5450	33.13 (3.08)	ATSD6460	48.11 (4.47)
ATSD3434	12.51 (1.16)	ATSD4444	22.25 (2.07)	ATSD5454	34.78 (3.23)	ATSD6464	50.09 (4.65)
ATSD3438	13.49 (1.25)	ATSD4448	23.56 (2.19)	ATSD5458	36.42 (3.38)	ATSD6468	52.07 (4.84)
ATSD3440	14.47 (1.34)	ATSD4450	24.87 (2.31)	ATSD5460	38.07 (3.54)	ATSD6474	56.03 (5.20)
ATSD3444	15.44 (1.43)	ATSD4454	26.19 (2.43)	ATSD5464	39.71 (3.69)	ATSD6480	59.98 (5.57)
ATSD3448	16.42 (1.53)	ATSD4458	27.50 (2.55)	ATSD5468	41.36 (3.84)	ATSD6807	17.66 (1.64)
ATSD3450	17.40 (1.62)	ATSD4460	28.81 (2.68)	ATSD5474	44.65 (4.15)	ATSD6810	20.28 (1.88)
ATSD3454	18.38 (1.71)	ATSD4464	30.12 (2.80)	ATSD5480	47.94 (4.45)	ATSD6820	26.55 (2.47)
ATSD3458	19.36 (1.80)	ATSD4468	31.44 (2.92)	ATSD5807	12.78 (1.19)	ATSD6824	28.64 (2.66)
ATSD3460	20.34 (1.89)	ATSD4474	34.06 (3.16)	ATSD5810	14.97 (1.39)	ATSD6828	30.73 (2.85)
ATSD3464	21.32 (1.98)	ATSD4480	36.69 (3.41)	ATSD5820	20.24 (1.88)	ATSD6830	32.82 (3.05)
ATSD3468	22.30 (2.07)	ATSD4807	8.68 (0.81)	ATSD5824	22.00 (2.04)	ATSD6834	34.91 (3.24)
ATSD3474	24.26 (2.25)	ATSD4810	10.45 (0.97)	ATSD5828	23.76 (2.21)	ATSD6838	37.00 (3.44)
ATSD3480	26.22 (2.44)	ATSD4820	14.73 (1.37)	ATSD5830	25.51 (2.37)	ATSD6840	39.09 (3.63)
ATSD3807	5.36 (0.50)	ATSD4824	16.15 (1.50)	ATSD5834	27.27 (2.53)	ATSD6844	41.18 (3.83)
ATSD3810	6.72 (0.62)	ATSD4828	17.57 (1.63)	ATSD5838	29.03 (2.70)	ATSD6848	43.27 (4.02)
ATSD3820	9.99 (0.93)	ATSD4830	19.00 (1.76)	ATSD5840	30.79 (2.86)	ATSD6850	45.36 (4.21)
ATSD3824	11.08 (1.03)	ATSD4834	20.42 (1.90)	ATSD5844	32.54 (3.02)	ATSD6854	47.45 (4.41)
ATSD3828	12.17 (1.13)	ATSD4838	21.84 (2.03)	ATSD5848	34.30 (3.19)	ATSD6858	49.54 (4.60)
ATSD3830	13.26 (1.23)	ATSD4840	23.27 (2.16)	ATSD5850	36.06 (3.35)	ATSD6860	51.63 (4.80)
ATSD3834	14.35 (1.33)	ATSD4844	24.69 (2.29)	ATSD5854	37.81 (3.51)	ATSD6864	53.72 (4.99)
ATSD3838	15.44 (1.43)	ATSD4848	26.11 (2.43)	ATSD5858	39.57 (3.68)	ATSD6868	55.81 (5.18)
ATSD3840	16.53 (1.54)	ATSD4850	27.54 (2.56)	ATSD5860	41.33 (3.84)	ATSD6874	59.99 (5.57)
ATSD3844	17.63 (1.64)	ATSD4854	28.96 (2.69)	ATSD5864	43.08 (4.00)	ATSD6880	64.17 (5.96)
ATSD3848	18.72 (1.74)	ATSD4858	30.39 (2.82)	ATSD5868	44.84 (4.17)	ATSD7007	19.47 (1.81)
ATSD3850	19.81 (1.84)	ATSD4860	31.81 (2.96)	ATSD5874	48.35 (4.49)	ATSD7010	22.22 (2.06)
ATSD3854	20.90 (1.94)	ATSD4864	33.23 (3.09)	ATSD5880	51.87 (4.82)	ATSD7020	28.82 (2.68)
ATSD3858	21.99 (2.04)	ATSD4868	34.66 (3.22)	ATSD6007	14.32 (1.33)	ATSD7024	31.02 (2.88)
ATSD3860	23.08 (2.14)	ATSD4874	37.50 (3.48)	ATSD6010	16.65 (1.55)	ATSD7028	33.23 (3.09)
ATSD3864	24.17 (2.25)	ATSD4880	40.35 (3.75)	ATSD6020	22.26 (2.07)	ATSD7030	35.43 (3.29)
ATSD3868	25.26 (2.35)	ATSD5007	9.96 (0.92)	ATSD6024	24.13 (2.24)	ATSD7034	37.63 (3.50)
ATSD3874	27.44 (2.55)	ATSD5010	11.87 (1.10)	ATSD6028	25.99 (2.41)	ATSD7038	39.83 (3.70)
ATSD3880	29.62 (2.75)	ATSD5020	16.48 (1.53)	ATSD6030	27.86 (2.59)	ATSD7040	42.03 (3.90)
ATSD4007	6.38 (0.59)	ATSD5024	18.01 (1.67)	ATSD6034	29.73 (2.76)	ATSD7044	44.23 (4.11)
ATSD4010	7.88 (0.73)	ATSD5028	19.55 (1.82)	ATSD6038	31.60 (2.94)	ATSD7048	46.43 (4.31)
ATSD4020	11.48 (1.07)	ATSD5030	21.08 (1.96)	ATSD6040	33.47 (3.11)	ATSD7050	48.63 (4.52)
ATSD4024	12.68 (1.18)	ATSD5034	22.62 (2.10)	ATSD6044	35.33 (3.28)	ATSD7054	50.84 (4.72)
ATSD4028	13.89 (1.29)	ATSD5038	24.15 (2.24)	ATSD6048	37.20 (3.46)	ATSD7058	53.04 (4.93)
ATSD4030	15.09 (1.40)	ATSD5040	25.69 (2.39)	ATSD6050	39.07 (3.63)	ATSD7060	55.24 (5.13)
ATSD4034	16.29 (1.51)	ATSD5044	27.22 (2.53)	ATSD6054	40.94 (3.80)	ATSD7064	57.44 (5.34)
ATSD4038	17.49 (1.62)	ATSD5048	28.76 (2.67)	ATSD6058	42.81 (3.98)	ATSD7068	59.64 (5.54)
ATSD4040	18.69 (1.74)	ATSD5050	30.29 (2.81)	ATSD6060	44.67 (4.15)	ATSD7074	64.04 (5.95)
ATSD4044	19.89 (1.85)	ATSD5054	31.83 (2.96)	ATSD6064	46.54 (4.32)	ATSD7080	68.45 (6.36)
ATSD4048	21.09 (1.96)	ATSD5058	33.36 (3.10)	ATSD6068	48.41 (4.50)	ATSD7407	21.36 (1.98)
ATSD4050	22.30 (2.07)	ATSD5060	34.89 (3.24)	ATSD6074	52.15 (4.84)	ATSD7410	24.25 (2.25)
ATSD4054	23.50 (2.18)	ATSD5064	36.43 (3.38)	ATSD6080	55.88 (5.19)	ATSD7420	31.19 (2.90)
ATSD4058	24.70 (2.29)	ATSD5068	37.96 (3.53)	ATSD6407	15.95 (1.48)	ATSD7424	33.50 (3.11)
ATSD4060	25.90 (2.41)	ATSD5074	41.03 (3.81)	ATSD6410	18.42 (1.71)	ATSD7428	35.81 (3.33)
ATSD4064	27.10 (2.52)	ATSD5080	44.10 (4.10)	ATSD6420	24.36 (2.26)	ATSD7430	38.12 (3.54)
ATSD4068	28.30 (2.63)	ATSD5407	11.32 (1.05)	ATSD6424	26.34 (2.45)	ATSD7434	40.44 (3.76)
ATSD4074	30.71 (2.85)	ATSD5410	13.38 (1.24)	ATSD6428	28.32 (2.63)	ATSD8007	25.40 (2.36)
ATSD4080	33.11 (3.08)	ATSD5420	18.32 (1.70)	ATSD6430	30.30 (2.81)	ATSD8010	28.57 (2.65)
ATSD4407	7.48 (0.70)	ATSD5424	19.96 (1.85)	ATSD6434	32.28 (3.00)	ATSD8020	36.17 (3.36)
ATSD4410	9.12 (0.85)	ATSD5428	21.61 (2.01)	ATSD6438	34.25 (3.18)	ATSD8024	38.71 (3.60)
ATSD4420	13.06 (1.21)	ATSD5430	23.25 (2.16)	ATSD6440	36.23 (3.37)	ATSD8028	41.24 (3.83)
ATSD4424	14.37 (1.34)	ATSD5434	24.90 (2.31)	ATSD6444	38.21 (3.55)	ATSD8030	43.78 (4.07)
ATSD4428	15.69 (1.46)	ATSD5438	26.55 (2.47)	ATSD6448	40.19 (3.73)		
ATSD4430	17.00 (1.58)	ATSD5440	28.19 (2.62)	ATSD6450	42.17 (3.92)		

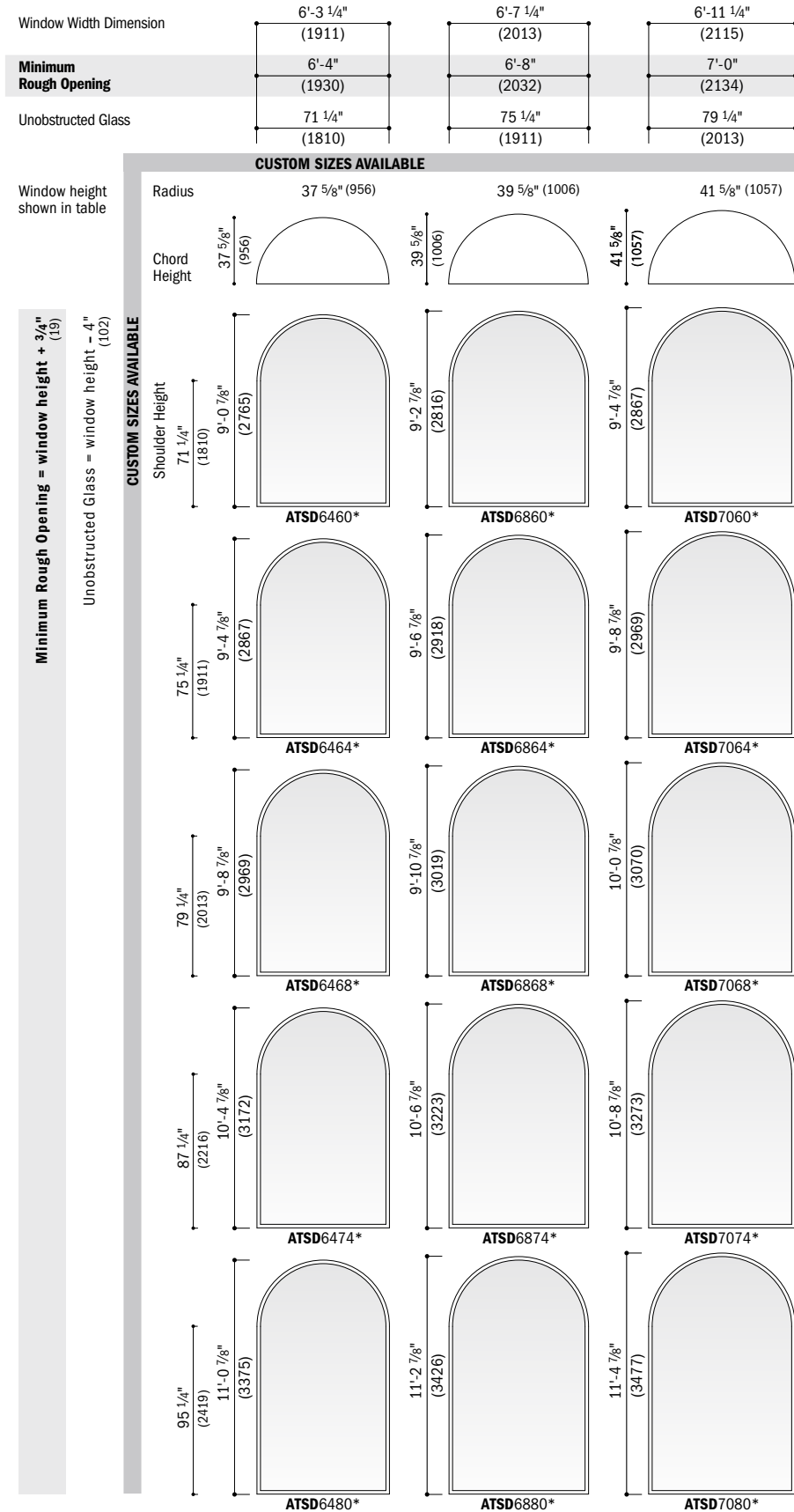
• Dimensions in parentheses are in square meters.

# SPECIALTY WINDOWS

**Table of Direct-Set Springline™ Window Sizes**  
Scale 1/8" (3) = 1'-0" (305) – 1:96 (continued from page 110)

Notes on page 110 also apply to this page.  
Springline™ sizes on pages 102-112.

**Sash-Set Springline™ Window Unobstructed Glass Dimensions and Area Specifications**



Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATS1807	12 5/8" (320)	9 1/4" (234)	0.69 (0.06)
ATS1810	12 5/8" (320)	14 1/4" (361)	1.13 (0.10)
ATS1820	12 5/8" (320)	26 1/4" (666)	2.17 (0.20)
ATS1824	12 5/8" (320)	30 1/4" (768)	2.52 (0.23)
ATS1828	12 5/8" (320)	34 1/4" (869)	2.87 (0.27)
ATS1830	12 5/8" (320)	38 1/4" (971)	3.22 (0.30)
ATS1834	12 5/8" (320)	42 1/4" (1072)	3.57 (0.33)
ATS1838	12 5/8" (320)	46 1/4" (1174)	3.92 (0.36)
ATS1840	12 5/8" (320)	50 1/4" (1276)	4.27 (0.40)
ATS1844	12 5/8" (320)	54 1/4" (1377)	4.62 (0.43)
ATS1848	12 5/8" (320)	58 1/4" (1479)	4.97 (0.46)
ATS1850	12 5/8" (320)	62 1/4" (1580)	5.32 (0.49)
ATS1854	12 5/8" (320)	66 1/4" (1682)	5.67 (0.53)
ATS1858	12 5/8" (320)	70 1/4" (1784)	6.02 (0.56)
ATS1860	12 5/8" (320)	74 1/4" (1885)	6.37 (0.59)
ATS1864	12 5/8" (320)	78 1/4" (1987)	6.72 (0.62)
ATS1868	12 5/8" (320)	82 1/4" (2088)	7.07 (0.66)
ATS1874	12 5/8" (320)	90 1/4" (2292)	7.77 (0.72)
ATS1880	12 5/8" (320)	98 1/4" (2495)	8.47 (0.79)
ATS2007	16 5/8" (421)	11 1/4" (285)	1.09 (0.10)
ATS2010	16 5/8" (421)	16 1/4" (412)	1.66 (0.15)
ATS2020	16 5/8" (421)	28 1/4" (717)	3.05 (0.28)
ATS2024	16 5/8" (421)	32 1/4" (818)	3.51 (0.33)
ATS2028	16 5/8" (421)	36 1/4" (920)	3.97 (0.37)
ATS2030	16 5/8" (421)	40 1/4" (1022)	4.43 (0.41)
ATS2034	16 5/8" (421)	44 1/4" (1123)	4.89 (0.45)
ATS2038	16 5/8" (421)	48 1/4" (1225)	5.35 (0.50)
ATS2040	16 5/8" (421)	52 1/4" (1326)	5.81 (0.54)
ATS2044	16 5/8" (421)	56 1/4" (1428)	6.27 (0.58)
ATS2048	16 5/8" (421)	60 1/4" (1530)	6.73 (0.63)
ATS2050	16 5/8" (421)	64 1/4" (1631)	7.20 (0.67)
ATS2054	16 5/8" (421)	68 1/4" (1733)	7.66 (0.71)
ATS2058	16 5/8" (421)	72 1/4" (1834)	8.12 (0.75)
ATS2060	16 5/8" (421)	76 1/4" (1936)	8.58 (0.80)
ATS2064	16 5/8" (421)	80 1/4" (2038)	9.04 (0.84)
ATS2068	16 5/8" (421)	84 1/4" (2139)	9.50 (0.88)
ATS2074	16 5/8" (421)	92 1/4" (2342)	10.42 (0.97)
ATS2080	16 5/8" (421)	100 1/4" (2546)	11.34 (1.05)
ATS2407	20 5/8" (523)	13 1/4" (336)	1.57 (0.15)
ATS2410	20 5/8" (523)	18 1/4" (463)	2.29 (0.21)
ATS2420	20 5/8" (523)	30 1/4" (768)	4.01 (0.37)
ATS2424	20 5/8" (523)	34 1/4" (869)	4.58 (0.43)
ATS2428	20 5/8" (523)	38 1/4" (971)	5.15 (0.48)
ATS2430	20 5/8" (523)	42 1/4" (1072)	5.72 (0.53)
ATS2434	20 5/8" (523)	46 1/4" (1174)	6.29 (0.58)
ATS2438	20 5/8" (523)	50 1/4" (1276)	6.87 (0.64)
ATS2440	20 5/8" (523)	54 1/4" (1377)	7.44 (0.69)
ATS2444	20 5/8" (523)	58 1/4" (1479)	8.01 (0.74)
ATS2448	20 5/8" (523)	62 1/4" (1580)	8.58 (0.80)
ATS2450	20 5/8" (523)	66 1/4" (1682)	9.15 (0.85)
ATS2454	20 5/8" (523)	70 1/4" (1784)	9.73 (0.90)
ATS2458	20 5/8" (523)	74 1/4" (1885)	10.30 (0.96)
ATS2460	20 5/8" (523)	78 1/4" (1987)	10.87 (1.01)
ATS2464	20 5/8" (523)	82 1/4" (2088)	11.44 (1.06)
ATS2468	20 5/8" (523)	86 1/4" (2190)	12.01 (1.12)
ATS2474	20 5/8" (523)	94 1/4" (2393)	13.16 (1.22)
ATS2480	20 5/8" (523)	102 1/4" (2596)	14.30 (1.33)
ATS2607	22 5/8" (574)	14 1/4" (361)	1.85 (0.17)
ATS2610	22 5/8" (574)	19 1/4" (488)	2.64 (0.24)

(notes on page 110 also apply to this page)

• Dimensions in parentheses are in millimeters or square meters.

continued on next page



# SPECIALTY WINDOWS

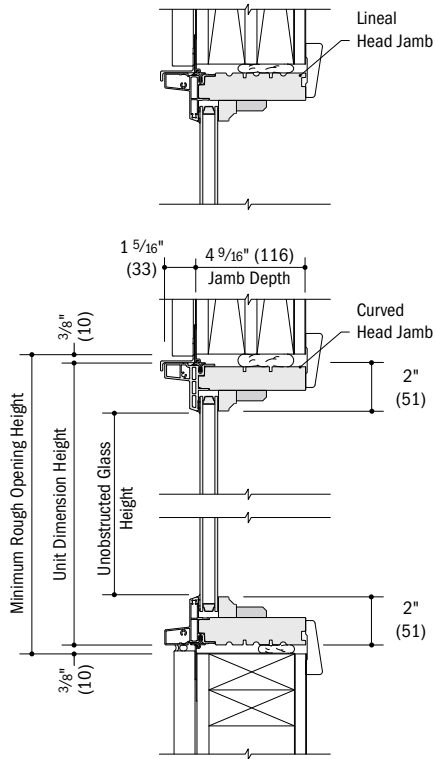
## Sash-Set Springline™ Window Unobstructed Glass Dimensions and Area Specifications (continued)

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m <sup>2</sup> )	Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m <sup>2</sup> )	Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./ (m <sup>2</sup> )
ATS4848	48 5/8" (1234)	76 1/4" (1936)	23.96 (2.23)	ATS5858	60 5/8" (1539)	94 1/4" (2393)	36.91 (3.43)	ATS6868	72 5/8" (1844)	112 1/4" (2850)	52.65 (4.89)
ATS4850	48 5/8" (1234)	80 1/4" (2038)	25.31 (2.35)	ATS5860	60 5/8" (1539)	98 1/4" (2495)	38.59 (3.59)	ATS6874	72 5/8" (1844)	120 1/4" (3054)	56.68 (5.27)
ATS4854	48 5/8" (1234)	84 1/4" (2139)	26.66 (2.48)	ATS5864	60 5/8" (1539)	102 1/4" (2596)	40.28 (3.74)	ATS6880	72 5/8" (1844)	128 1/4" (3257)	60.71 (5.64)
ATS4858	48 5/8" (1234)	88 1/4" (2241)	28.01 (2.60)	ATS5868	60 5/8" (1539)	106 1/4" (2698)	41.96 (3.90)	ATS7007	76 5/8" (1945)	41 1/4" (1047)	17.55 (1.63)
ATS4860	48 5/8" (1234)	92 1/4" (2342)	29.36 (2.73)	ATS5874	60 5/8" (1539)	114 1/4" (2901)	45.33 (4.21)	ATS7010	76 5/8" (1945)	46 1/4" (1174)	20.21 (1.88)
ATS4864	48 5/8" (1234)	96 1/4" (2444)	30.71 (2.85)	ATS5880	60 5/8" (1539)	122 1/4" (3104)	48.69 (4.52)	ATS7020	76 5/8" (1945)	58 1/4" (1479)	26.60 (2.47)
ATS4868	48 5/8" (1234)	100 1/4" (2546)	32.06 (2.98)	ATS6007	64 5/8" (1641)	35 1/4" (895)	12.69 (1.18)	ATS7024	76 5/8" (1945)	62 1/4" (1580)	28.72 (2.67)
ATS4874	48 5/8" (1234)	108 1/4" (2749)	34.76 (3.23)	ATS6010	64 5/8" (1641)	40 1/4" (1022)	14.93 (1.39)	ATS7028	76 5/8" (1945)	66 1/4" (1682)	30.85 (2.87)
ATS4880	48 5/8" (1234)	116 1/4" (2952)	37.46 (3.48)	ATS6020	64 5/8" (1641)	52 1/4" (1326)	20.31 (1.89)	ATS7030	76 5/8" (1945)	70 1/4" (1784)	32.98 (3.06)
ATS5007	52 5/8" (1336)	29 1/4" (742)	8.61 (0.80)	ATS6024	64 5/8" (1641)	56 1/4" (1428)	22.11 (2.05)	ATS7034	76 5/8" (1945)	74 1/4" (1885)	35.11 (3.26)
ATS5010	52 5/8" (1336)	34 1/4" (869)	10.44 (0.97)	ATS6028	64 5/8" (1641)	60 1/4" (1530)	23.90 (2.22)	ATS7038	76 5/8" (1945)	78 1/4" (1987)	37.23 (3.46)
ATS5020	52 5/8" (1336)	46 1/4" (1174)	14.82 (1.38)	ATS6030	64 5/8" (1641)	64 1/4" (1631)	25.70 (2.39)	ATS7040	76 5/8" (1945)	82 1/4" (2088)	39.36 (3.66)
ATS5024	52 5/8" (1336)	50 1/4" (1276)	16.28 (1.51)	ATS6034	64 5/8" (1641)	68 1/4" (1733)	27.49 (2.55)	ATS7044	76 5/8" (1945)	86 1/4" (2190)	41.49 (3.85)
ATS5028	52 5/8" (1336)	54 1/4" (1377)	17.74 (1.65)	ATS6038	64 5/8" (1641)	72 1/4" (1834)	29.29 (2.72)	ATS7048	76 5/8" (1945)	90 1/4" (2292)	43.62 (4.05)
ATS5030	52 5/8" (1336)	58 1/4" (1479)	19.20 (1.78)	ATS6040	64 5/8" (1641)	76 1/4" (1936)	31.08 (2.89)	ATS7050	76 5/8" (1945)	94 1/4" (2393)	45.74 (4.25)
ATS5034	52 5/8" (1336)	62 1/4" (1580)	20.66 (1.92)	ATS6044	64 5/8" (1641)	80 1/4" (2038)	32.87 (3.05)	ATS7054	76 5/8" (1945)	98 1/4" (2495)	47.87 (4.45)
ATS5038	52 5/8" (1336)	66 1/4" (1682)	22.12 (2.06)	ATS6048	64 5/8" (1641)	84 1/4" (2139)	34.67 (3.22)	ATS7058	76 5/8" (1945)	102 1/4" (2596)	50.00 (4.64)
ATS5040	52 5/8" (1336)	70 1/4" (1784)	23.59 (2.19)	ATS6050	64 5/8" (1641)	88 1/4" (2241)	36.46 (3.39)	ATS7060	76 5/8" (1945)	106 1/4" (2698)	52.13 (4.84)
ATS5044	52 5/8" (1336)	74 1/4" (1885)	25.05 (2.33)	ATS6054	64 5/8" (1641)	92 1/4" (2342)	38.26 (3.55)	ATS7064	76 5/8" (1945)	110 1/4" (2800)	54.25 (5.04)
ATS5048	52 5/8" (1336)	78 1/4" (1987)	26.51 (2.46)	ATS6058	64 5/8" (1641)	96 1/4" (2444)	40.05 (3.72)	ATS7068	76 5/8" (1945)	114 1/4" (2901)	56.38 (5.24)
ATS5050	52 5/8" (1336)	82 1/4" (2088)	27.97 (2.60)	ATS6060	64 5/8" (1641)	100 1/4" (2546)	41.85 (3.89)	ATS7074	76 5/8" (1945)	122 1/4" (3104)	60.64 (5.63)
ATS5054	52 5/8" (1336)	86 1/4" (2190)	29.43 (2.73)	ATS6064	64 5/8" (1641)	104 1/4" (2647)	43.64 (4.05)	ATS7080	76 5/8" (1945)	130 1/4" (3308)	64.89 (6.03)
ATS5058	52 5/8" (1336)	90 1/4" (2292)	30.89 (2.87)	ATS6068	64 5/8" (1641)	108 1/4" (2749)	45.43 (4.22)	ATS7407	80 5/8" (2047)	43 1/4" (1098)	19.35 (1.80)
ATS5060	52 5/8" (1336)	94 1/4" (2393)	32.35 (3.01)	ATS6074	64 5/8" (1641)	116 1/4" (2952)	49.02 (4.55)	ATS7410	80 5/8" (2047)	48 1/4" (1225)	22.15 (2.06)
ATS5064	52 5/8" (1336)	98 1/4" (2495)	33.81 (3.14)	ATS6080	64 5/8" (1641)	124 1/4" (3155)	52.61 (4.89)	ATS7420	80 5/8" (2047)	60 1/4" (1530)	28.86 (2.68)
ATS5068	52 5/8" (1336)	102 1/4" (2596)	35.27 (3.28)	ATS6407	68 5/8" (1742)	37 1/4" (945)	14.22 (1.32)	ATS7424	80 5/8" (2047)	64 1/4" (1631)	31.10 (2.89)
ATS5074	52 5/8" (1336)	110 1/4" (2800)	38.19 (3.55)	ATS6410	68 5/8" (1742)	42 1/4" (1072)	16.60 (1.54)	ATS7428	80 5/8" (2047)	68 1/4" (1733)	33.34 (3.10)
ATS5080	52 5/8" (1336)	118 1/4" (3003)	41.12 (3.82)	ATS6420	68 5/8" (1742)	54 1/4" (1377)	22.32 (2.07)	ATS7430	80 5/8" (2047)	72 1/4" (1834)	35.58 (3.31)
ATS5407	56 5/8" (1437)	31 1/4" (793)	9.88 (0.92)	ATS6424	68 5/8" (1742)	58 1/4" (1479)	24.23 (2.25)	ATS7434	80 5/8" (2047)	76 1/4" (1936)	37.82 (3.51)
ATS5410	56 5/8" (1437)	36 1/4" (920)	11.85 (1.10)	ATS6428	68 5/8" (1742)	62 1/4" (1580)	26.13 (2.43)	ATS8007	88 5/8" (2250)	47 1/4" (1199)	23.20 (2.16)
ATS5420	56 5/8" (1437)	48 1/4" (1225)	16.56 (1.54)	ATS6430	68 5/8" (1742)	66 1/4" (1682)	28.04 (2.60)	ATS8010	88 5/8" (2250)	52 1/4" (1326)	26.28 (2.44)
ATS5424	56 5/8" (1437)	52 1/4" (1326)	18.14 (1.68)	ATS6434	68 5/8" (1742)	70 1/4" (1784)	29.94 (2.78)	ATS8020	88 5/8" (2250)	64 1/4" (1631)	33.66 (3.13)
ATS5428	56 5/8" (1437)	56 1/4" (1428)	19.71 (1.83)	ATS6438	68 5/8" (1742)	74 1/4" (1885)	31.85 (2.96)	ATS8024	88 5/8" (2250)	68 1/4" (1733)	36.12 (3.36)
ATS5430	56 5/8" (1437)	60 1/4" (1530)	21.28 (1.98)	ATS6440	68 5/8" (1742)	78 1/4" (1987)	33.75 (3.14)	ATS8028	88 5/8" (2250)	72 1/4" (1834)	38.58 (3.58)
ATS5434	56 5/8" (1437)	64 1/4" (1631)	22.85 (2.12)	ATS6444	68 5/8" (1742)	82 1/4" (2088)	35.66 (3.31)	ATS8030	88 5/8" (2250)	76 1/4" (1936)	41.04 (3.81)
ATS5438	56 5/8" (1437)	68 1/4" (1733)	24.42 (2.27)	ATS6448	68 5/8" (1742)	86 1/4" (2190)	37.56 (3.49)				
ATS5440	56 5/8" (1437)	72 1/4" (1834)	26.00 (2.42)	ATS6450	68 5/8" (1742)	90 1/4" (2292)	39.47 (3.67)				
ATS5444	56 5/8" (1437)	76 1/4" (1936)	27.57 (2.56)	ATS6454	68 5/8" (1742)	94 1/4" (2393)	41.37 (3.84)				
ATS5448	56 5/8" (1437)	80 1/4" (2038)	29.14 (2.71)	ATS6458	68 5/8" (1742)	98 1/4" (2495)	43.28 (4.02)				
ATS5450	56 5/8" (1437)	84 1/4" (2139)	30.71 (2.85)	ATS6460	68 5/8" (1742)	102 1/4" (2596)	45.19 (4.20)				
ATS5454	56 5/8" (1437)	88 1/4" (2241)	32.28 (3.00)	ATS6464	68 5/8" (1742)	106 1/4" (2698)	47.09 (4.37)				
ATS5458	56 5/8" (1437)	92 1/4" (2342)	33.86 (3.15)	ATS6468	68 5/8" (1742)	110 1/4" (2800)	49.00 (4.55)				
ATS5460	56 5/8" (1437)	96 1/4" (2444)	35.43 (3.29)	ATS6474	68 5/8" (1742)	118 1/4" (3003)	52.81 (4.91)				
ATS5464	56 5/8" (1437)	100 1/4" (2546)	37.00 (3.44)	ATS6480	68 5/8" (1742)	126 1/4" (3206)	56.62 (5.26)				
ATS5468	56 5/8" (1437)	104 1/4" (2647)	38.57 (3.58)	ATS6807	72 5/8" (1844)	39 1/4" (996)	15.84 (1.47)				
ATS5474	56 5/8" (1437)	112 1/4" (2850)	41.72 (3.88)	ATS6810	72 5/8" (1844)	44 1/4" (1123)	18.37 (1.71)				
ATS5480	56 5/8" (1437)	120 1/4" (3054)	44.86 (4.17)	ATS6820	72 5/8" (1844)	56 1/4" (1428)	24.41 (2.27)				
ATS5807	60 5/8" (1539)	33 1/4" (844)	11.24 (1.04)	ATS6824	72 5/8" (1844)	60 1/4" (1530)	26.43 (2.46)				
ATS5810	60 5/8" (1539)	38 1/4" (971)	13.35 (1.24)	ATS6828	72 5/8" (1844)	64 1/4" (1631)	28.45 (2.64)				
ATS5820	60 5/8" (1539)	50 1/4" (1276)	18.40 (1.71)	ATS6830	72 5/8" (1844)	68 1/4" (1733)	30.46 (2.83)				
ATS5824	60 5/8" (1539)	54 1/4" (1377)	20.08 (1.87)	ATS6834	72 5/8" (1844)	72 1/4" (1834)	32.48 (3.02)				
ATS5828	60 5/8" (1539)	58 1/4" (1479)	21.76 (2.02)	ATS6838	72 5/8" (1844)	76 1/4" (1936)	34.50 (3.20)				
ATS5830	60 5/8" (1539)	62 1/4" (1580)	23.45 (2.18)	ATS6840	72 5/8" (1844)	80 1/4" (2038)	36.51 (3.39)				
ATS5834	60 5/8" (1539)	66 1/4" (1682)	25.13 (2.33)	ATS6844	72 5/8" (1844)	84 1/4" (2139)	38.53 (3.58)				
ATS5838	60 5/8" (1539)	70 1/4" (1784)	26.81 (2.49)	ATS6848	72 5/8" (1844)	88 1/4" (2241)	40.55 (3.77)				
ATS5840	60 5/8" (1539)	74 1/4" (1885)	28.49 (2.65)	ATS6850	72 5/8" (1844)	92 1/4" (2342)	42.56 (3.95)				
ATS5844	60 5/8" (1539)	78 1/4" (1987)	30.18 (2.80)	ATS6854	72 5/8" (1844)	96 1/4" (2444)	44.58 (4.14)				
ATS5848	60 5/8" (1539)	82 1/4" (2088)	31.86 (2.96)	ATS6858	72 5/8" (1844)	100 1/4" (2546)	46.60 (4.33)				
ATS5850	60 5/8" (1539)	86 1/4" (2190)	33.54 (3.12)	ATS6860	72 5/8" (1844)	104 1/4" (2647)	48.61 (4.52)				
ATS5854	60 5/8" (1539)	90 1/4" (2292)	35.23 (3.27)	ATS6864	72 5/8" (1844)	108 1/4" (2749)	50.63 (4.70)				

• Dimensions in parentheses are in millimeters or square meters.

**Direct-Set Specialty Window Details**

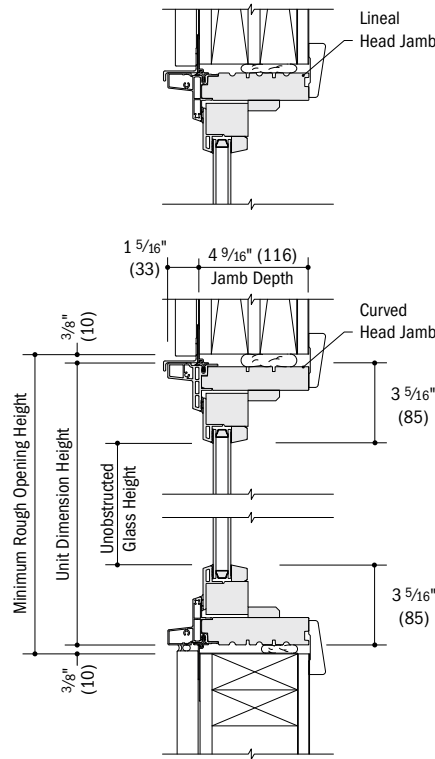
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



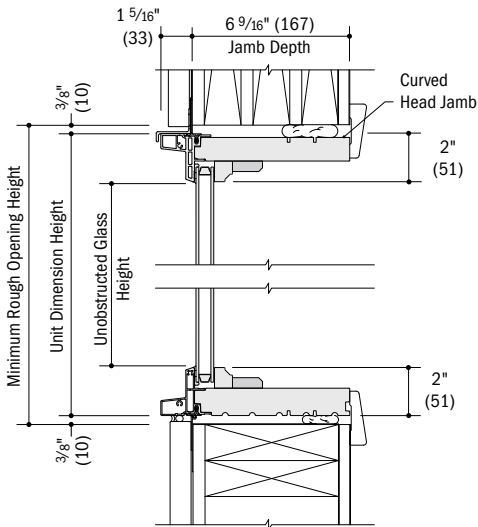
Vertical Section

**Sash-Set Specialty Window Details**

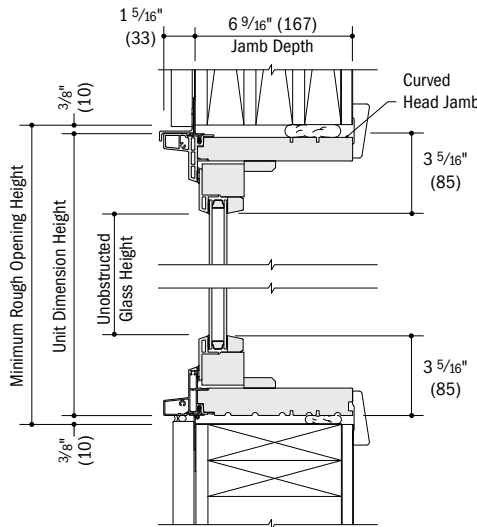
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Vertical Section



Vertical Section



Vertical Section

Both lineal and curved head jambs are shown. Choose detail based on your specialty window shape.

Sash-set specialty and direct-set specialty windows are available in both 4 9/16" (116) and 6 9/16" (167) jamb depths.

Oval windows are only available direct-set.

See page 116 for horizontal joining details.

- 4 9/16" (116) and 6 9/16" (167) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

# SPECIALTY WINDOWS

## Horizontal (stack) Joining Details

Scale 1½" (38) = 1'-0" (305) – 1:8

Specialty windows can be joined to other windows on the jobsite using 4 9/16" (116) fiberglass or clip joining methods. For factory-joined specialty-to-specialty window combinations, 4 9/16" (116) or 6 9/16" (167), LVL joining material will be used. Specialty windows can be joined over patio doors, using LVL joining material. For additional windows combinations, see pages 64-66.

### Overall "Window over Window" or

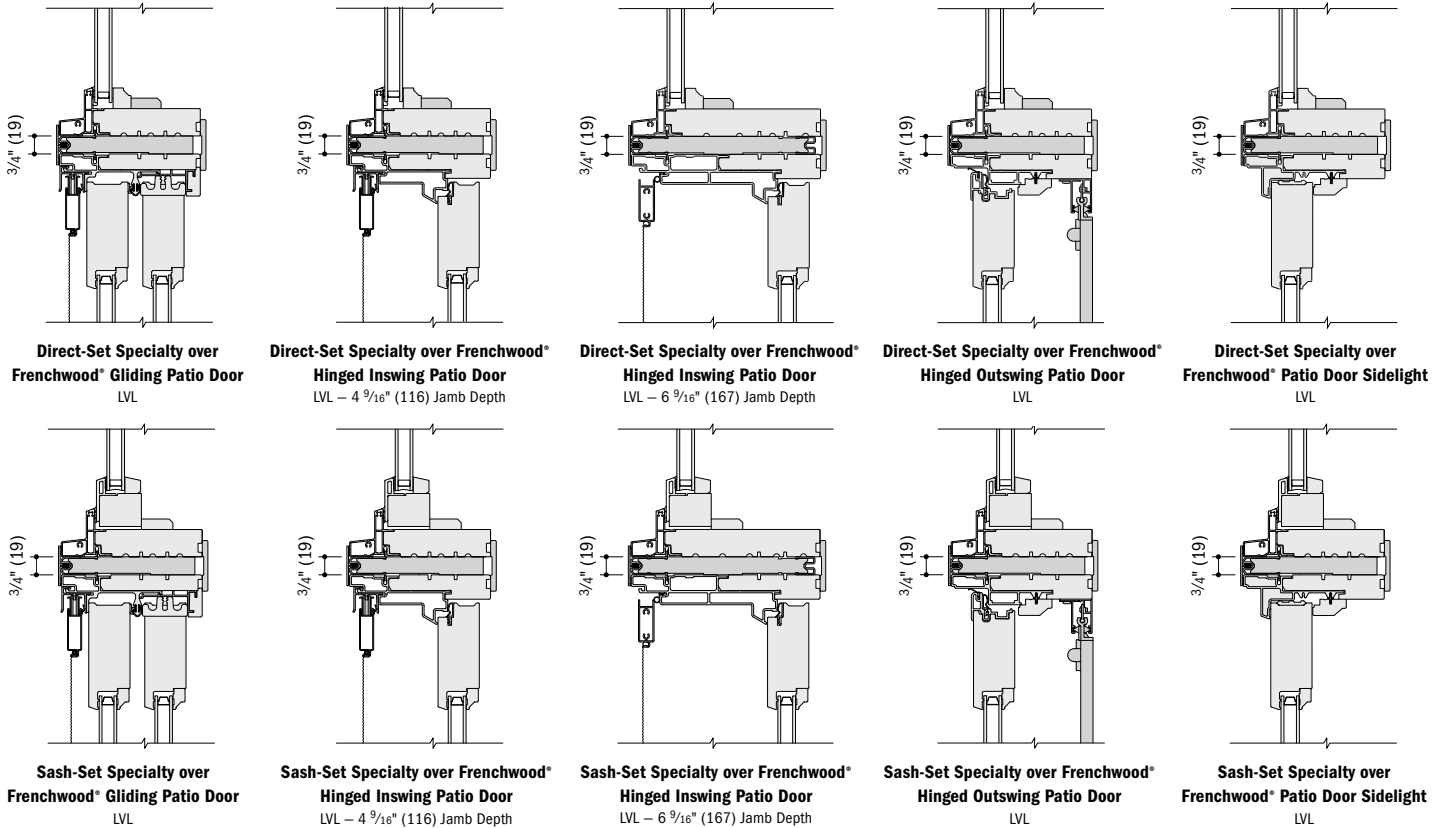
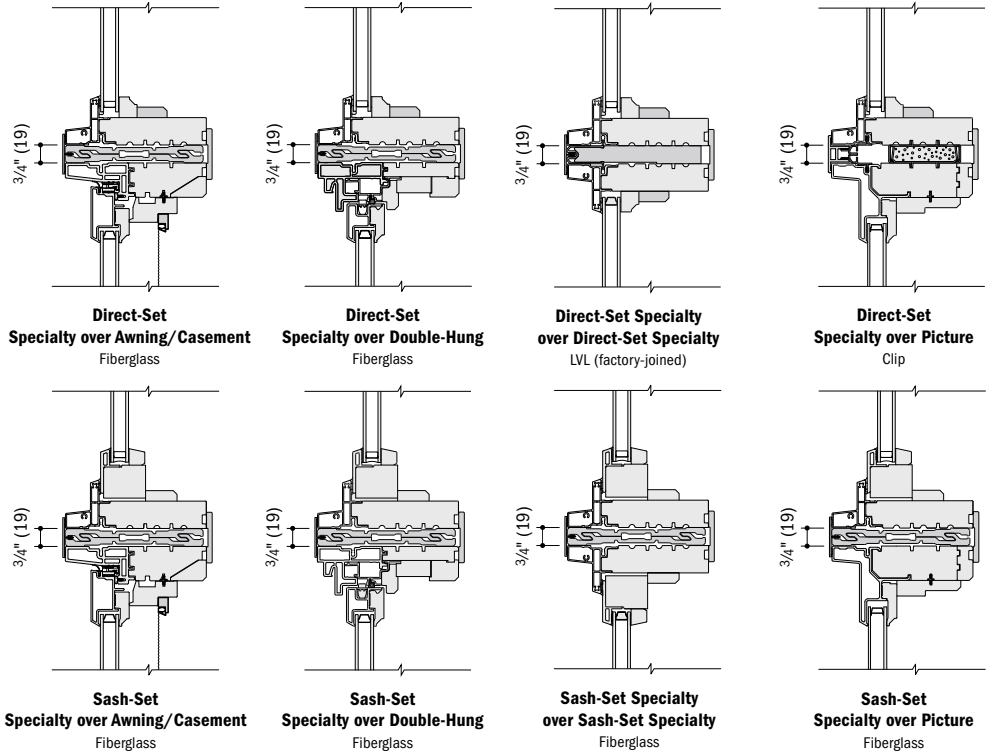
### "Window over Door" Dimension Height

Sum of individual "window over window" or "window over door" heights plus ¾" (19).

### Overall Minimum Rough Opening Height

Overall dimension height plus ¾" (19).

For more joining information, see the combination designs section starting on page 206.



- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- For LVL and clip joining material, structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.

# COMPLEMENTARY CASEMENT WINDOWS

A-Series  
Complementary  
Casement Windows

**CUSTOM SIZING**  
in 1/8" (3) increments 



## SECTION REFERENCE

Styles & Sizes .....	120
Window Details .....	121-122
Product Performance.....	214

Dimensions in parentheses are in millimeters.

# COMPLEMENTARY CASEMENT WINDOWS

## FEATURES

### Frame

- A** Heavy-duty extruded aluminum cladding protects the frame exterior, providing low-maintenance durability. Standard cladding finish meets AAMA 2604. An optional finish that meets the AAMA 2605 standard is also available.
- B** Wood frame members are treated with a water-repellent wood preservative for long-lasting\* protection and performance.
- C** Interior stops are unfinished. Low-maintenance prefinished White, Dark Bronze and Black interiors are also available.

Installation flange extends 1 1/2" (38) around the perimeter of the unit for positioning and locating. Installation clips are standard for increased structural anchoring to building members. Mounted around the frame perimeter, the clips rotate into position and can be bent into place against the framing members to suit all jamb conditions.



### Sash

- D** Wood core members provide excellent structural stability and energy efficiency.
- E** Heavy-duty extruded aluminum cladding protects the sash exterior, providing low-maintenance durability.

**F** Weatherstripping throughout the unit provides a long-lasting, energy-efficient seal. Rain skirt is factory installed on the perimeter of the sash.

### Glass

- G** Silicone glazing bead combined with two-sided silicone tape provides superior weathertightness.
- H** High-Performance glass options include:

- Low-E4® glass
- Low-E4 glass with HeatLock® glass
- Low-E4 Sun glass
- Low-E4 SmartSun™ glass
- Low-E4 SmartSun HeatLock glass

Tempered glass and other glass options are available. Contact your Andersen supplier.

A removable translucent film helps shield the glass from damage during delivery and construction and also simplifies finishing at the jobsite.

### Patterned Glass

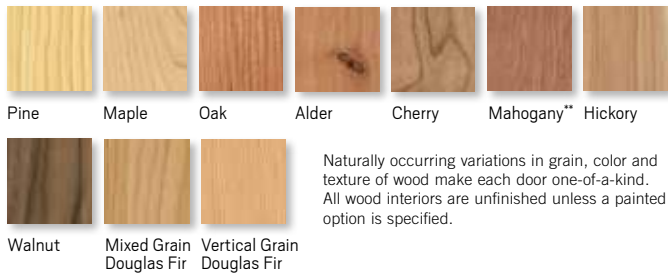
Patterned glass options are available. See page 18 for more details.

## EXTERIOR



## INTERIOR

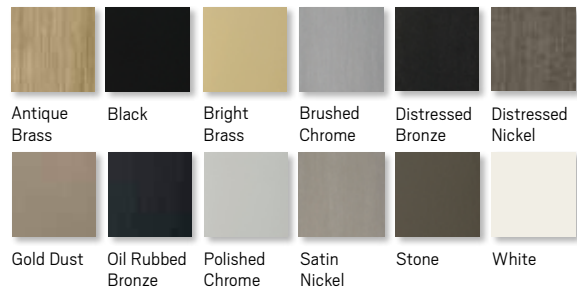
### WOOD SPECIES Additional wood species available.



### PAINTED OPTIONS Available on pine.



## HARDWARE FINISHES



Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use.

## HARDWARE OPTIONS Sold Separately

### CONTEMPORARY FOLDING



Black | Bright Brass  
Gold Dust | Oil Rubbed Bronze  
**Satin Nickel** | Stone | White

### TRADITIONAL FOLDING



Antique Brass | Black | Bright Brass  
**Distressed Bronze** | Distressed Nickel | Gold Dust  
Oil Rubbed Bronze | Satin Nickel | Stone | White

Folding handle avoids interference with window treatments.

### CLASSIC SERIES™



Stone | White

### ESTATE™



**Antique Brass** | Bright Brass | Brushed Chrome  
Distressed Bronze | Distressed Nickel  
Oil Rubbed Bronze | Polished Chrome | Satin Nickel

*Bold name denotes finish shown*

\* Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

\*\* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. Dimensions in parentheses are in millimeters. Printing limitations prevent exact duplication of colors and finishes. See your Andersen supplier for actual color and finish samples.



## Hardware

### Smooth Control Hardware System



The smooth control hardware system employs a worm gear drive for easy operation. The split-arm operator moves the sash away from the frame to provide for easier glass cleaning on rectangular units. Arch and Springline™ units use the same smooth control hardware system with stainless steel butt hinges for smooth operation. Hardware option and finish must be specified. Operator handle and cover sold separately.

### Single-Actuation Casement Lock



A single-actuation lock easily releases all locking points on casement sash while the reach-out action eliminates binding when closing. The lock handle is offered in finishes that coordinate with your specified hardware option.

### French Casement



Andersen® complementary French casements allow both sash to swing outward from the center, eliminating a center mullion post. They offer smooth-operating multi-point locking mechanisms and hinges. The multi-point lock is activated with a single turn of a handle and simultaneously secures both sash. French casement windows have a unique locking handle that is available in all finishes except distressed bronze, distressed nickel and gold dust.

## ACCESSORIES Sold Separately

### Frame

#### Extension Jamb



Complementary casement jamb depth is 3 3/8" (86). Extension jambs are available in 1/16" (1.5) increments between 4 3/16" (116) and 7 1/8" (181). Additional dimensions are available, contact your Andersen supplier for more information. Available in all wood species and interior colors. Available for jobsite application or can be factory-applied.

### Hardware

#### Corrosion-Resistant Components



Corrosion-resistant hinge and operator arm hardware is designed for applications in harsh and corrosive environments, such as heavy industrial or coastal areas.\* Shown on a 400 Series casement window.

#### Window Opening Control Device Kit



A Window Opening Control Device Kit is available, which limits sash travel to less than 4" (102) when the window is first opened. Available factory-applied, in Stone, White and Black on all casements except French casement windows. Shown on an A-Series casement window.

### Special Use Operator Handles

Available in Classic Series™ design only.

#### Compact Operator Handle



Specially designed for use in situations where blinds or other window treatments interfere with standard operator handle. Available in White or Stone finish.

#### Easy-Grip Handle



Larger knob makes it easier to grip and operate. Available in White or Stone finish.

#### Metal T-Handle



Our smallest operator handle, the metal T-handle, may make it more difficult for young children (5 and under) to open the window.

For more information on child safety, write:

Andersen Corporation  
LookOut for Kids® Program  
100 Fourth Avenue North  
Bayport, MN 55003

Call 1-800-313-8889 or email us at:  
[lofk@andersencorp.com](mailto:lofk@andersencorp.com)

#### Operator Spline Cover



An operator spline cover is an attractive cap that covers the roto operator stud when the handle has been removed to control access or operation of the window. The operator spline cover should not be used on any window designated or intended for emergency escape or rescue. Please consult your local building code official for local egress code requirements.

### Security Sensors

#### VeriLock® Sensors

VeriLock sensors are available in five colors. See page 16-17 for details.

#### Open/Close Sensors

Wireless open/close sensors are available in four colors. See page 16-17 for details.

### Insect Screens

#### TruScene® Insect Screen



Exclusive Andersen TruScene® insect screens provide 50% more clarity than our conventional insect screens for a beautiful unobstructed view. They allow more fresh air and sunlight in, while doing a better job of keeping out small insects. For complementary casement windows, TruScene frames are available in White, Stone, Dark Bronze and Black as well as pine, oak and maple wood veneers.

#### Conventional Insect Screens

Conventional insect screens have black fiberglass screen mesh. Optional charcoal powder-coated aluminum screen mesh is available. Frames are available in White, Stone, Dark Bronze and Black.

#### CAUTION:

- Do not paint weatherstripping.
- Creosote-based stains should not come in contact with Andersen products.
- Abrasive cleaners or solutions containing corrosive solvents should not be used on Andersen products.

\* Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details. Dimensions in parentheses are in millimeters.

# COMPLEMENTARY CASEMENT WINDOWS

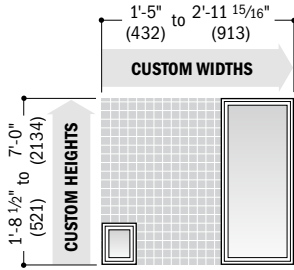
## Styles and Sizes

Choose left, right or stationary as viewed from the exterior. For standard sizes, minimum rough opening dimensions and opening specifications, contact your Andersen supplier. Complementary casement windows are designed to be stand-alone feature windows and cannot be directly joined to A-Series windows or doors.

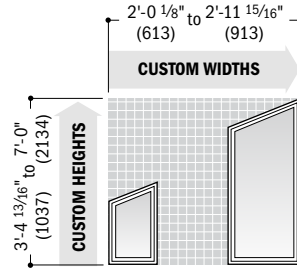


Custom-size windows are available in 1/8" (3) increments between minimum and maximum widths and heights shown. Some restrictions apply.

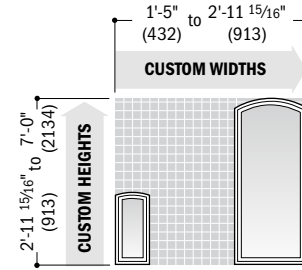
### Rectangle Casement



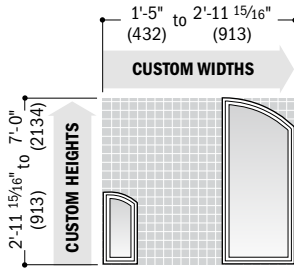
### Trapezoid Casement\*



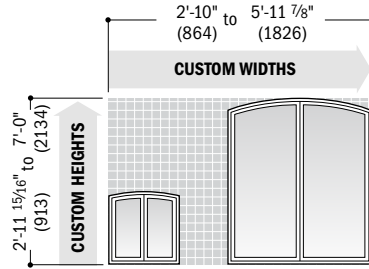
### Arch Casement\*



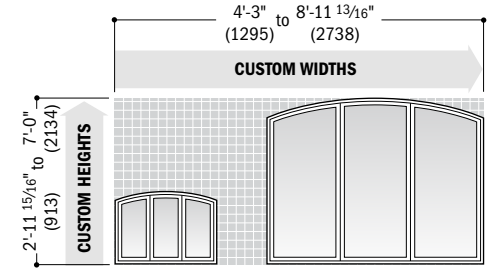
### Unequal Leg Arch Casement



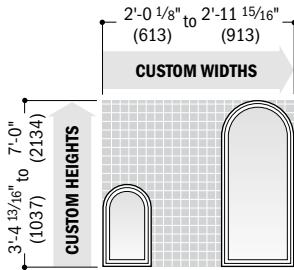
### Twin Arch Casement\*



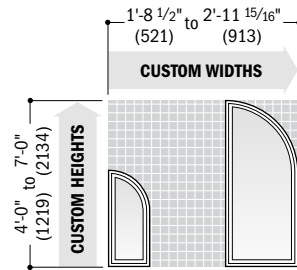
### Triple Arch Casement\*



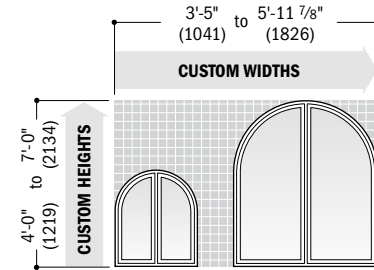
### Springline™ Casement\*



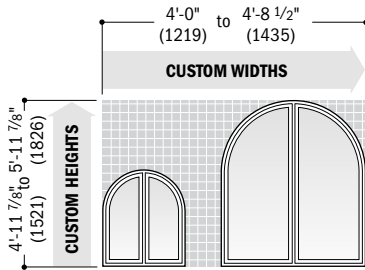
### Springline™ Flanker Casement\*



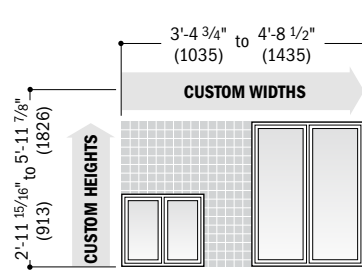
### Twin Springline™ Casement\*



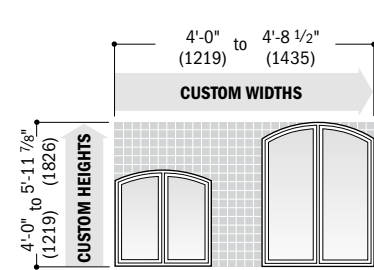
### Springline™ French Casement



### Rectangle French Casement



### Arch French Casement



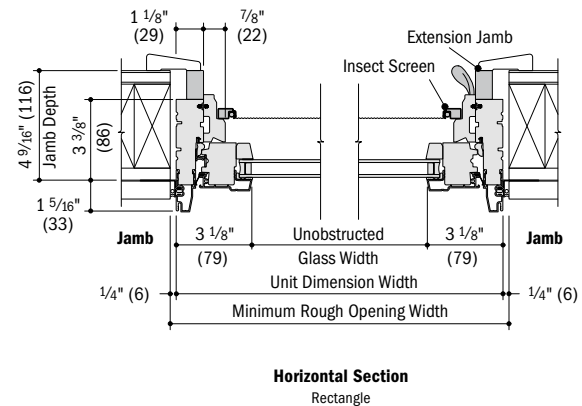
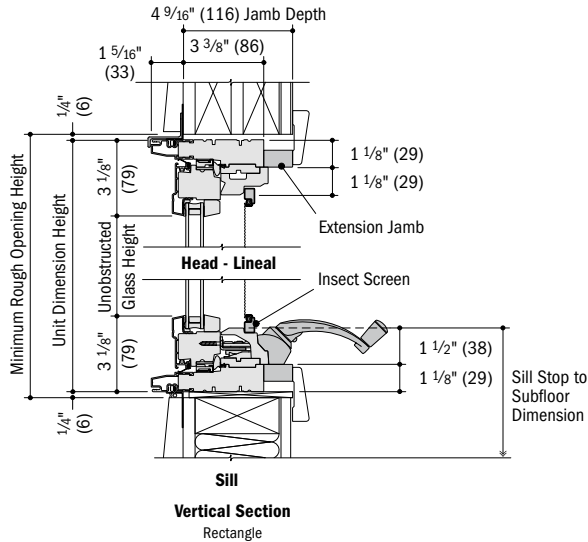
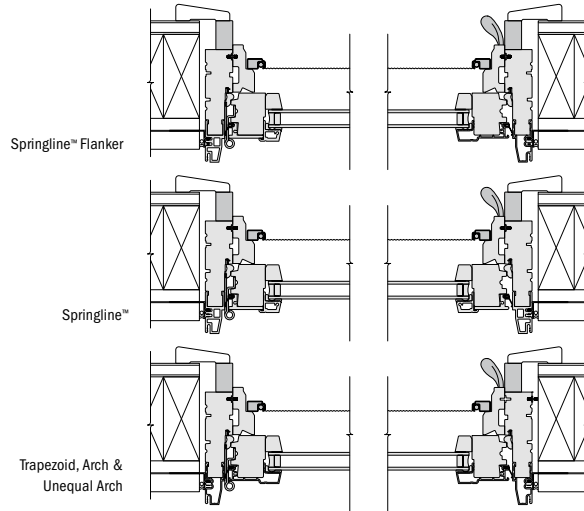
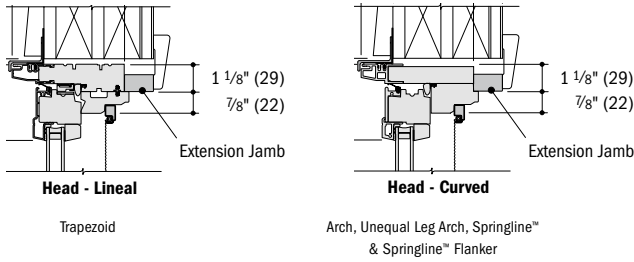
For casement picture and transom window sizes contact your Andersen supplier.

\* Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.  
 • Dimensions in parentheses are in millimeters.

\*For exterior wall cladding that extends beyond the face of the window, there may be a reduction in the amount of opening "swing" when the curved portion of the sash touches the curved portion of the wall cladding.

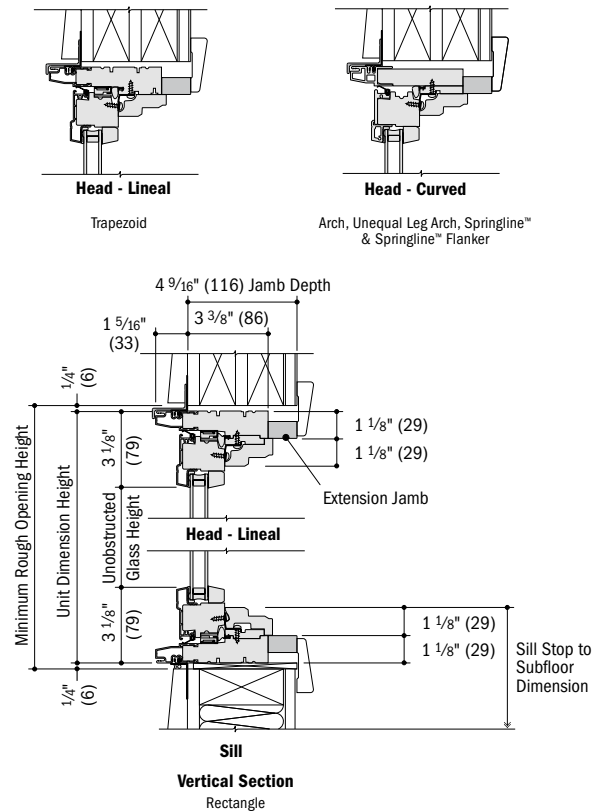
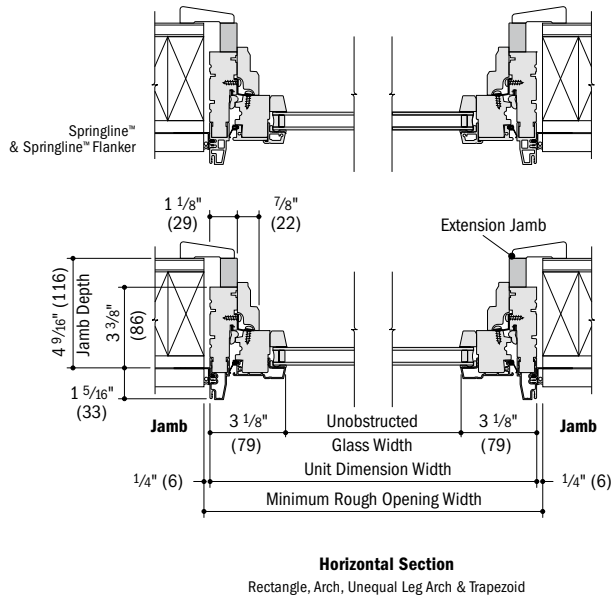
### Clad Complementary Venting Casement Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



### Clad Complementary Stationary Casement Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

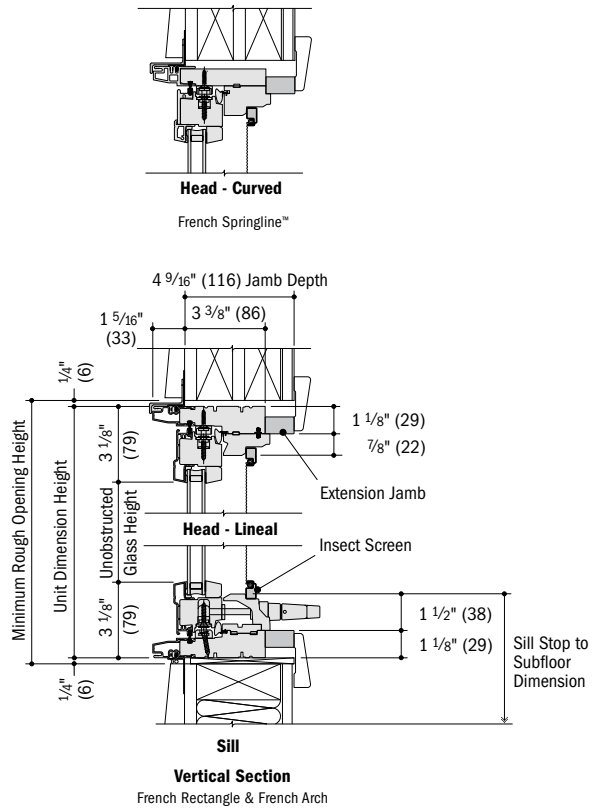
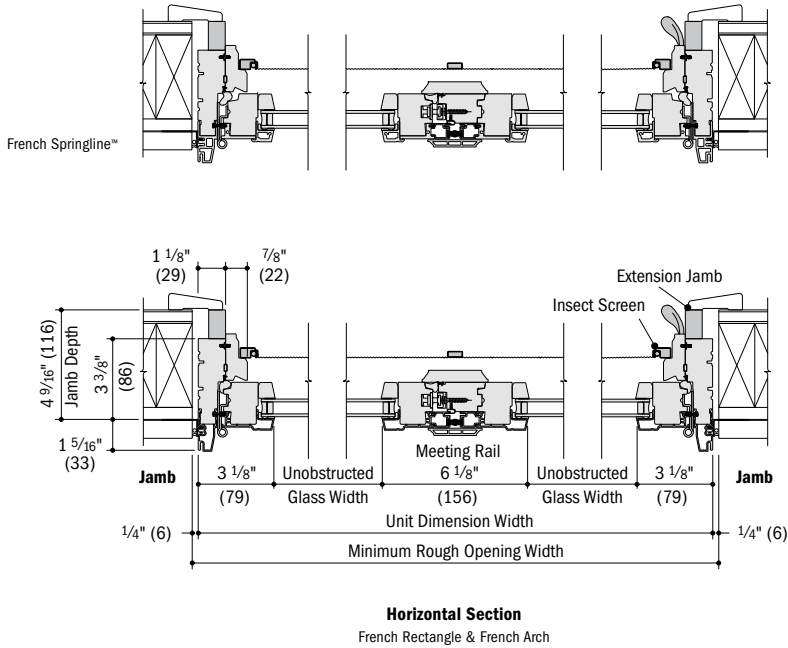


- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to unit installation guides at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

# COMPLEMENTARY CASEMENT WINDOWS

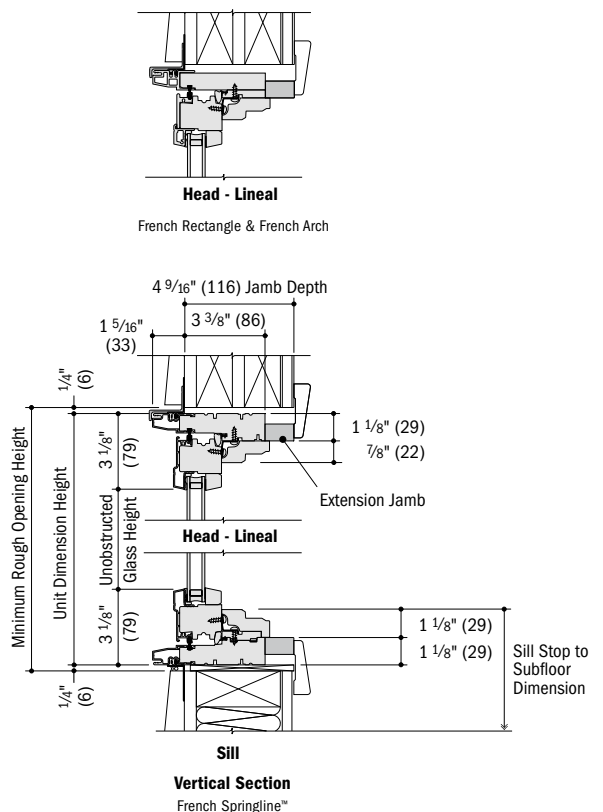
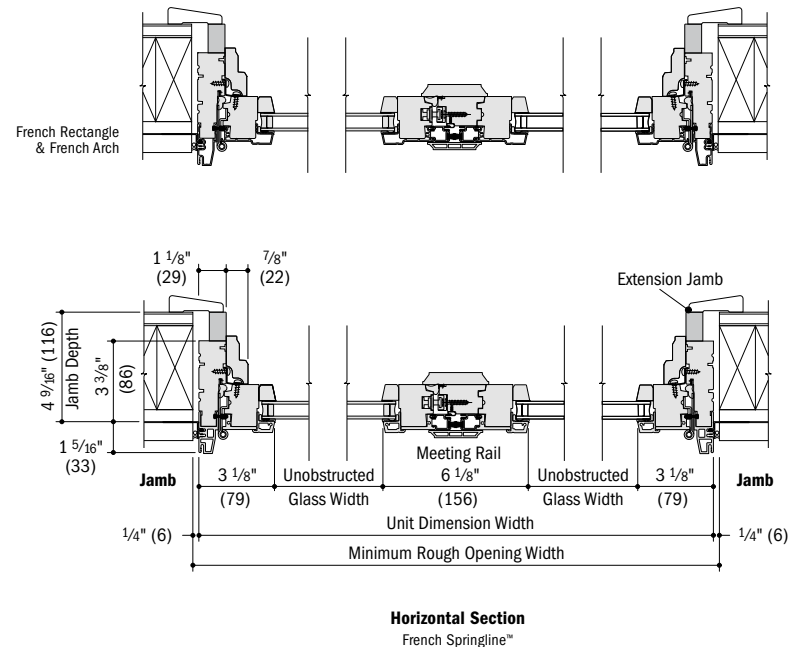
## Clad Complementary Venting French Casement Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



## Clad Complementary Stationary French Casement Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen™ parts required to complete window assembly as shown.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to unit installation guides at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

# FRENCHWOOD<sup>®</sup> PATIO DOORS

**CUSTOM SIZING**  
in 1/8" (3) increments



A-Series  
Frenchwood<sup>®</sup>  
Patio Door Overview

## SECTION REFERENCE

### Frenchwood<sup>®</sup> Gliding

- Table of Sizes..... 130–131
- Specifications ..... 131
- Grille Patterns..... 146
- Door Details..... 132–133

### Frenchwood Hinged Inswing

- Table of Sizes..... 134–137
- Specifications ..... 138–139
- Grille Patterns..... 146
- Door Details..... 140–143

### Frenchwood Hinged Outswing

- Table of Sizes..... 144
- Specifications ..... 145
- Grille Patterns..... 146
- Door Details..... 146–147

### Frenchwood Sidelights & Transoms

- Table of Sizes..... 148–152
- Specifications ..... 151–153
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- Sidelight &  
Transom Details ..... 154–155

- Joining Details..... 156–159
- Custom Sizing..... 160–162
- Combination Designs ..... 206
- Product Performance..... 214

Dimensions in parentheses are in millimeters.

# FRENCHWOOD® PATIO DOORS

## FEATURES

### FRENCHWOOD® GLIDING PATIO DOORS

#### Frame

**A** Frame constructed with a wood core and a fiberglass exterior. This construction produces a rigid frame and a low-maintenance, durable exterior.

**B** Wood members are treated with a water-repellent preservative for long-lasting\* protection and performance.

The interior wood jamb has an extension jamb kerf, making it easy to add interior extension jambs matching wall thicknesses.

**C** The weather seal is made from a flexible polyethylene leaf with a urethane foam core on the sill and stationary side jambs, and a polypropylene fin weatherstrip on the head and operating side jambs, creating a positive seal between the frame and panels. This system provides a long-lasting, energy-efficient barrier against wind, water and dust.

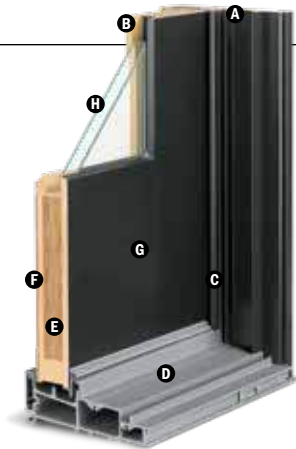
#### Sill

**D** One-piece fiberglass design provides superior water management. The nonconductive fiberglass construction enhances energy performance, and its superior strength eliminates the need for a sill support.

Slip- and wear-resistant poly bead finish available in either neutral gray or dark bronze color.

The roller track has a stainless steel cap that resists denting for smooth, reliable operation.

A factory-applied drop-nose channel attachment is optional for enhanced water performance. See page 133 for details.



#### Panel

**E** Panel stiles and rails are constructed of an engineered LVL core. This LVL core provides strength and helps prevent warping for consistent smooth operation.

**F** Interior panel surfaces are constructed from premium wood veneer available in pine, maple, oak, cherry, mahogany\*\* and vertical grain douglas fir. All prefinished interior options use water-based paints and stains.

**G** The exterior of the wood panel is protected with a Flexacron® paint system; this stabilized polyester paint is electrostatically applied to penetrate all exterior surfaces for maximum protection and a lustrous, low-maintenance finish.

Dual corrosion-resistant\* ball-bearing rollers on door panels provide smooth gliding operation with self-contained leveling adjusters.

Dual ball-bearing rollers have deep grooves to increase engagement with the roller track and resist lateral movement.

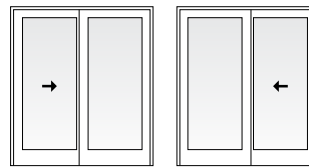
A parting stop bracket adds strength to the door by reinforcing the top of the panels.

#### Flexible Seal

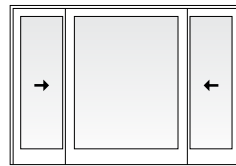


A full-length combination weatherstrip/interlock system provides a flexible seal at the meeting stile. Shown on a 400 Series Frenchwood gliding patio door.

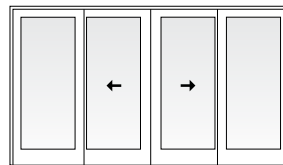
#### Multiple Panel Configurations



Two-Panel



Three-Panel



Four-Panel

#### H Glass

See page 125 for details.

#### Hardware

##### Multi-Point Locking System



The multi-point locking system features a unique reachout design that pulls the door panel tightly closed for a weathertight seal and enhanced security.

\* Visit andersenwindows.com/warranty for details.

\*\* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. "Flexacron" is a registered trademark of PPG Industries, Inc.

## FEATURES

### FRENCHWOOD® HINGED INSWING PATIO DOORS

#### Frame

**A** Frame constructed with a wood core and a fiberglass exterior. This construction produces a rigid frame and a low-maintenance, durable exterior.

**B** Wood members are treated with a water-repellent preservative for long-lasting\* protection and performance.

The interior wood jamb has an extension jamb kerf, making it easy to add interior extension jambs matching wall thicknesses.

Frenchwood hinged inswing patio doors are available in 4 1/16" (116) and 6 1/16" (167) jamb depths.

#### Sill

**C** One-piece fiberglass design provides superior water management. The nonconductive fiberglass construction enhances energy performance, and its superior strength eliminates the need for a sill support.

Slip- and wear-resistant poly bead finish available in either neutral gray or dark bronze color.

A factory-applied drop-nose channel attachment is optional for enhanced water performance. See below for details.



#### Panel

**D** Panel stiles and rails are constructed of an engineered LVL core. This LVL core provides strength and helps prevent warping for consistent smooth operation.

**E** Interior panel surfaces are constructed from premium wood veneer available in pine, maple, oak, cherry, mahogany\*\* and vertical grain douglas fir. All prefinished interior options use water-based paints and stains.

**F** The exterior of the wood panel is protected with a Flexacron® paint system; this stabilized polyester paint is electrostatically applied to penetrate all exterior surfaces for maximum protection and a lustrous, low-maintenance finish.

**G** Factory-applied, one-piece (welded corners), compression-type weatherstrip made from a durable thermoplastic material is attached directly to the panel, not the frame, creating a continuous plane around the panel to provide maximum effectiveness against air and water infiltration. This system provides a long-lasting, energy-efficient barrier against wind, water and dust.

Two-panel doors are available with one or two active panels. For doors with one active panel, hinges can be located along either the jamb or astragal.

#### Adjustable Hinges

Adjustable hinges have ball-bearing pivots for smooth, frictionless movement and feature easy horizontal and vertical adjustments, plus a quick-release feature for easy panel removal. This release

feature is ideal for transporting large units up stairs or to other hard-to-reach areas. Gold dust finish is standard on wood interior doors. For units with a prefinished White interior, white finish hinges are standard. Also available in finishes that coordinate with most hardware.



#### H Glass

See below for details.

#### Hardware

##### Multi-Point Locking System



The Frenchwood hinged patio door has a multi-point locking system with a hook bolt above and below the center deadbolt. This system provides added weathertightness and enhanced security.

##### Optional Corrosion-Resistant Hardware

Optional corrosion-resistant locking mechanism is available and recommended for applications within two miles of the coast and other harsh environments.\*

## COMMON FEATURES

#### Glass

Panels are silicone bed glazed and finished with an interior wood glass stop.

High-Performance dual-pane glass options include:

- Low-E4® tempered glass
- Low-E4 HeatLock® tempered glass
- Low-E4 Sun tempered glass
- Low-E4 SmartSun™ tempered glass
- Low-E4 SmartSun HeatLock tempered glass

For even greater energy performance, triple-pane glass is available in these glass options:

- Low-E4 tempered glass
- Low-E4 Enhanced tempered glass
- Low-E4 Enhanced HeatLock tempered glass
- Low-E4 SmartSun tempered glass
- Low-E4 SmartSun Enhanced tempered glass
- Low-E4 SmartSun Enhanced HeatLock tempered glass

Additional glass options are available. Contact your Andersen supplier.

A removable translucent film helps shield the glass from damage during delivery and construction and also simplifies finishing at the jobsite.

#### Patterned Glass

Patterned glass options are available. See page 18 for more details.

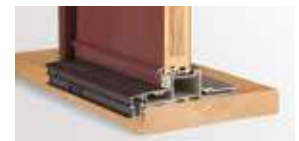
#### Taller Heights

A-Series Frenchwood patio doors and patio door sidelights are available in 10' (3028) heights.

## StormWATCH<sup>®</sup> PROTECTION

Frenchwood patio doors are available with Stormwatch® protection. For a copy of the Andersen® Coastal Product Guide, go to [andersenwindows.com/coastal](http://andersenwindows.com/coastal) or contact your Andersen supplier.

#### Performance Grade (PG) Upgrade Optional Drop-Nose Channel



A factory-applied, patented drop-nose channel is available when higher product performance is required. Drop-nose channel provides enhanced water performance without increasing interior sill height. Shown on a Frenchwood hinged inswing patio door. Details shown for gliding door on page 133 and hinged inswing door on page 139.

\* Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

\*\* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahogonies.

"Flexacron" is a registered trademark of PPG Industries, Inc. Dimensions in parentheses are in millimeters.

# FRENCHWOOD® PATIO DOORS

## FEATURES

### FRENCHWOOD® HINGED OUTSWING PATIO DOORS

#### Frame

**A** Frame constructed with a wood core and a fiberglass exterior. This construction produces a rigid frame and a low-maintenance, durable exterior.

**B** Wood members are treated with a water-repellent preservative for long-lasting\* protection and performance.

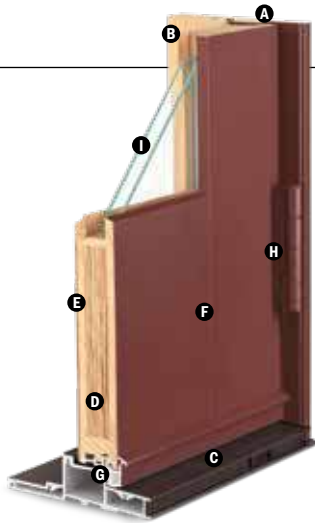
The interior wood jamb has an extension jamb kerf, making it easy to add interior extension jambs matching wall thicknesses.

#### Sill

**C** One-piece non-conductive fiberglass construction enhances energy performance, and its superior strength eliminates the need for a sill support. An innovative sill design provides superior water management.

Slip- and wear-resistant poly bead finish available in either neutral gray or dark bronze color.

A factory-applied drop-nose channel attachment is optional for enhanced water performance. See page 146 for details.



#### Panel

**D** Panel stiles and rails are constructed of an engineered LVL core. This LVL core provides strength and helps prevent warping for consistent smooth operation.

**E** Interior panel surfaces are constructed from premium wood veneer available in pine, maple, oak, cherry, mahogany\*\* and vertical grain douglas fir. All prefinished interior options use water-based paints and stains.

**F** The exterior of the wood panel is protected with a Flexacron® paint system; this stabilized polyester paint is electrostatically applied to penetrate all exterior surfaces for maximum protection and a lustrous, low-maintenance finish.

**G** Factory-applied one-piece (welded corners), compression-type weatherstrip made from a durable thermoplastic material is attached directly to the panel, not the frame, creating a continuous plane around the panel to provide maximum effectiveness against air and water infiltration. The weatherstripping creates a strong, long-lasting\* seal that stands up to harsh weather.

Hinged outswing operating panels are available in either single left- or right-hand active or two-panel active/passive jamb-hinged.

#### Removable Panels



Removable panels simplify finishing and allow for easy storage during construction. Release tabs are covered with a cap for a clean appearance. The panels can be easily removed with the unique panel release tab on the hinge. This release feature is ideal for transporting large units up stairs or to other hard-to-reach areas.

**H** The ball-bearing hinges are covered with a corrosion-resistant powder-coat finish. Hinges are color-matched to the panel exterior and can be adjusted up/down and left/right after installation.

#### ① Glass

See page 127 for details.

#### Hardware

##### Multi-Point Locking System



The Frenchwood hinged patio door has a multi-point locking system with a hook bolt above and below the center deadbolt. This system provides added weathertightness and enhanced security.

##### Optional Corrosion-Resistant Hardware

Optional corrosion-resistant locking mechanism and hinges are available and recommended for applications within two miles of the coast and other harsh environments.\*

\* Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

\*\* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

\*Flexacron® is a registered trademark of PPG Industries, Inc.



## FEATURES

### FRENCHWOOD® PATIO DOOR SIDELIGHTS

#### Frame

Frame constructed with a wood core and a fiberglass exterior. This construction produces a rigid frame and a low-maintenance, durable exterior.

Wood members are treated with a water-repellent preservative for long-lasting\* protection and performance.

The interior wood jamb has an extension jamb kerf, making it easy to add interior extension jambs matching wall thicknesses.

#### Sill

One-piece fiberglass design provides superior water management. The nonconductive fiberglass construction enhances energy performance, and its superior strength eliminates the need for a sill support.

Slip- and wear-resistant poly bead finish available in either neutral gray or dark bronze color.

#### Panel

Panel stiles and rails are constructed of an engineered LVL core. This LVL core provides strength and helps prevent warping for consistent smooth operation.



### FRENCHWOOD PATIO DOOR TRANSOMS

#### Frame

Frame constructed with a wood core and a fiberglass exterior. This construction produces a rigid frame and a low-maintenance, durable exterior.

Wood members are treated with a water-repellent preservative for long-lasting\* protection and performance.

The interior wood jamb has an extension jamb kerf, making it easy to add interior extension jambs matching wall thicknesses.

#### Sash

Available in direct-set or sash-set construction. Direct-set transoms have glass glazed directly into the frame and maximize glass area. Sash-set transoms feature a stationary sash and provide common sight lines with A-Series patio doors.

Frenchwood patio door transoms feature elegant lines that match the Frenchwood patio doors. Available in pine, maple, oak, cherry, mahogany\*\* and vertical grain douglas fir.

#### Glass

See below for details.

Interior panel surfaces are constructed from premium wood veneer available in pine, maple, oak, cherry, mahogany\*\* and vertical grain douglas fir. All prefinished interior options use water-based paints and stains.

The exterior of the wood panel is protected with a Flexacron® paint system; this stabilized polyester paint is electrostatically applied to penetrate all exterior surfaces for maximum protection and a lustrous, low-maintenance finish.

#### Glass

See below for details.

## COMMON FEATURES

#### Glass

Panels are silicone bed glazed and finished with an interior wood glass stop.

High-Performance dual-pane glass options include:

- Low-E4® tempered glass
- Low-E4 HeatLock® tempered glass
- Low-E4 Sun tempered glass
- Low-E4 SmartSun™ tempered glass
- Low-E4 SmartSun HeatLock tempered glass

For even greater energy performance, triple-pane glass is available in these glass options:

- Low-E4 tempered glass
- Low-E4 Enhanced tempered glass
- Low-E4 Enhanced HeatLock tempered glass
- Low-E4 SmartSun tempered glass
- Low-E4 SmartSun Enhanced tempered glass
- Low-E4 SmartSun Enhanced HeatLock tempered glass

Additional glass options are available. Contact your Andersen supplier.

A removable translucent film helps shield the glass from damage during delivery and construction and also simplifies finishing at the jobsite.

#### Patterned Glass

Patterned glass options are available. See page 18 for more details.

#### Taller Heights

A-Series Frenchwood patio doors and patio door sidelights are available in 10' (3028) heights.

### StormWATCH<sup>®</sup>

PROTECTION

Frenchwood patio doors are available with Stormwatch® protection. For a copy of the Andersen® Coastal Product Guide, go to [andersenwindows.com/coastal](http://andersenwindows.com/coastal) or contact your Andersen supplier.

### Performance Grade (PG) Upgrade Optional Drop-Nose Channel



A factory-applied, patented drop-nose channel is available when higher product performance is required. Drop-nose channel provides enhanced water performance without increasing interior sill height. Shown on a Frenchwood hinged inswing patio door. Details shown for hinged outswing door on page 146.

\* Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

\*\* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. "Flexacron" is a registered trademark of PPG Industries, Inc.

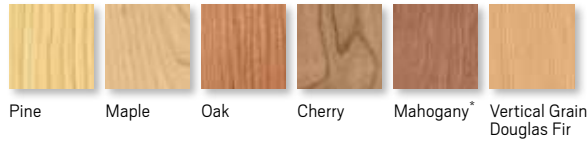
# FRENCHWOOD® PATIO DOORS

## EXTERIOR



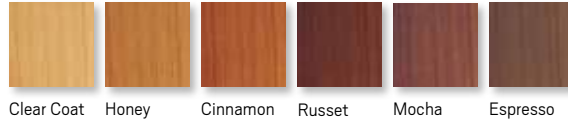
## INTERIOR

### WOOD SPECIES



### FACTORY-FINISHED INTERIORS

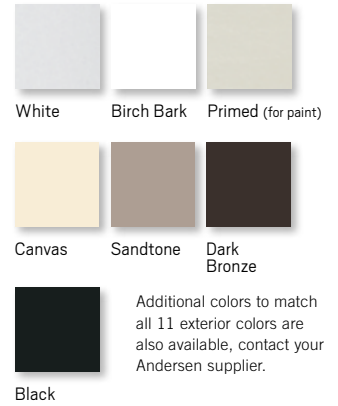
Shown on pine. Available on pine, maple and oak only.



Naturally occurring variations in grain, color and texture of wood make each window one of a kind. All wood interiors are unfinished unless a finish is specified.

### PAINTED OPTIONS

Available on pine. Additional colors available.

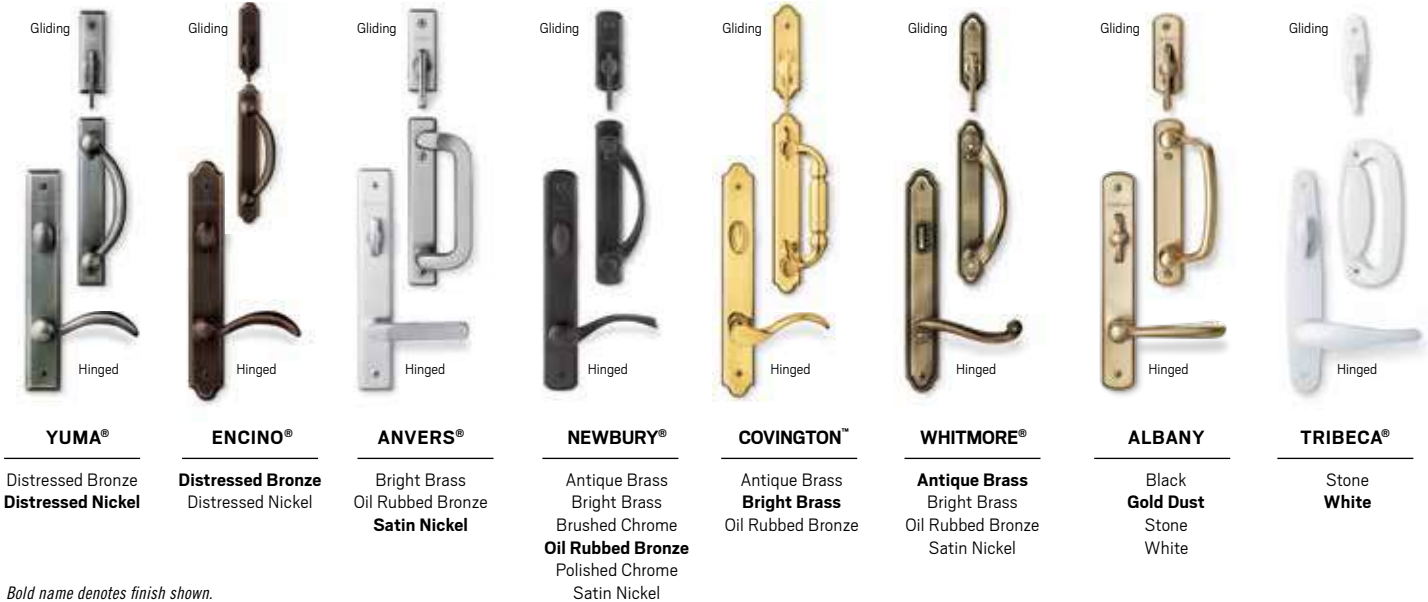


## HARDWARE FINISHES

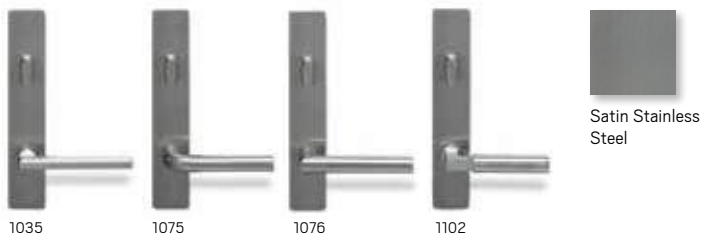


Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use.

## HARDWARE OPTIONS Sold Separately\*\*



## FSB® HINGED PATIO DOOR HARDWARE



\* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

\*\* Matching hinges available in most hardware finishes for inswing patio doors. Mix and match interior and exterior style and finish options are available. Bright brass and satin nickel finishes feature a 10-year limited warranty.

Tribecca and Albany hardware are zinc diecast with powder-coated durable finish, other hardware is solid forged brass. Printing limitations prevent exact duplication of colors and finishes. See your Andersen supplier for actual color and finish samples.

"FSB" is a registered trademark of Franz Schneider Brakel GmbH & Co.

**ACCESSORIES** Sold Separately

**Frame**

**Extension Jamb**

Available in pine, maple, oak, cherry, mahogany\* and vertical grain douglas fir precut to fit the unit. Available in 1/16" (1.5) increments up to 7 1/8" (181) and can be prefinished to match the interior finish of the unit. This option is also available factory applied.

Interior extension jamb on inswing units will restrict the full opening of the door.

**Threshold for Frenchwood® Gliding and Hinged Inswing Patio Doors**



An oak or maple threshold is available for finishing the interior of the sill on Frenchwood gliding and hinged inswing patio doors.

**Sill Step for Frenchwood Hinged Outswing Patio Doors**

The Frenchwood hinged outswing door offers an optional oak or maple sill step. See page 146.

**Remodeler Sill Bracket for Frenchwood Gliding and Hinged Inswing Patio Doors**



Allows for easy installation in replacement applications with a finished interior floor. It fastens to the subfloor, and the sill snaps into the bracket, providing a secured structural installation.

**Hardware**

**Exterior Keyed Lock**



A six-pin exterior key cylinder lock is available for all patio doors in styles and finishes that coordinate with hardware. This lock allows the patio door to be locked and unlocked from the exterior. Gliding patio door lock shown.

**Auxiliary Foot Lock for Frenchwood Gliding Patio Doors**



Provides an extra measure of security when the door is in a locked position. Lock can be set so the door is fully closed or partially open to provide a secure venting position. Available in all hardware finishes.

**Handle Extension for Frenchwood Hinged Inswing and Outswing Patio Doors**



Extends interior door handle an additional 1" (25) from the door panel to accommodate interior blinds or shades. Kit includes one handle extender and spindle. A second extender may be added to the spindle to increase the length an additional 1" (25) to a 2" (51) total extension. Extenders are available in finishes that coordinate with hardware.

**Strike Plate Extensions for Frenchwood Hinged Inswing Patio Doors**

Bright brass, antique brass, polished chrome, oil rubbed bronze, brushed chrome and satin nickel strike plate extensions are available for the following wall thicknesses:

- 5 1/4" (133)
- 6 3/16" (167)
- 7 1/8" (181)

**Construction Lock for Frenchwood Inswing and Outswing Patio Doors**



This hardware can be used to help secure the jobsite during the construction phase of the project. It features an undersized escutcheon plate, which makes on-site finishing easier.

**Yale® Assure Lock® Keyless Lock**



Monitor, lock and unlock from anywhere with the Yale Assure Lock. The sleek keyless lock includes Bluetooth® technology for key free unlocking and is compatible with Z-wave® for integration with a wide range of smart home platforms. See page 16 for additional details.

**Security Sensors**

**Open/Closed Sensors**

Wireless open/closed sensors are available in four colors. See pages 16-17 for details.

**Glass**

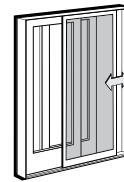
**Andersen® Art Glass**

Andersen art glass panels come in a variety of original patterns. See pages 14-15 for details on Andersen art glass. Visit [andersenwindows.com/artglass](http://andersenwindows.com/artglass) for details and pattern information.

**Insect Screens**

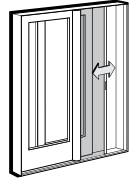
All insect screens have a long-lasting\*\* fiberglass mesh with a charcoal finish. Insect screen frames are color matched to the exterior of your door unless otherwise noted.

**Top-Hung Gliding and Gliding Insect Screens for Frenchwood Gliding and Hinged Inswing Patio Doors**



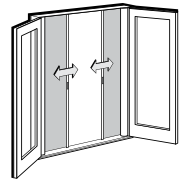
Patented square corner joints add considerable strength to the frame members. The insect screen is available in a conventional gliding or a premium top-hung gliding design. The conventional insect screen has bottom rollers with self-contained leveling adjusters. The premium top-hung insect screen has silicone-embedded glide hooks that hang from the top of the screen track, allowing it to glide smoothly and effortlessly. Alignment rollers on the bottom of the insect screen keep it in place on the track while the perimeter bug seal helps ensure insects stay on the outside.

**Retractable Insect Screen for Frenchwood Gliding Patio Doors**



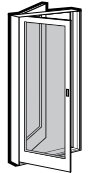
The retractable insect screen is installed on the exterior of the door and opens side-to-side across the width of the opening. When the insect screen is not in use, it neatly retracts into a small canister mounted on the exterior of the door. Available for two-panel doors. Please note, retractable screen track reduces clear opening height by 1" (25).

**Retractable Insect Screen for Frenchwood Hinged Outswing Patio Doors**



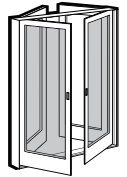
The retractable insect screen is installed on the interior of the door across the width of the opening. When the insect screen is not in use, it neatly retracts into small canisters mounted on each side of the door. Retractable insect screens are available for single-panel and two-panel doors with White, Gold Dust, pine, oak and maple finishes and six stains to match the interior of your door. Please note, retractable screen track reduces clear opening height by 1" (25).

**Hinged Insect Screen for Frenchwood Hinged Inswing Patio Doors**



Available for single-panel doors.

**Double-Hinged Insect Screen for Frenchwood Hinged Inswing Patio Doors**



Available for two-panel jamb-hinged doors.

**Grilles**

Grilles are available in a variety of configurations and widths. See pages 12-13 for details.

**Exterior Trim**

This product is available with Andersen Exterior Trim. See pages 173-178 for details.

\* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

\*\* Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

Dimensions in parentheses are in millimeters.

Note: Andersen patio doors are not intended for use as entrance doors.

# FRENCHWOOD® GLIDING PATIO DOORS

## Table of Frenchwood® Gliding Patio Door Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

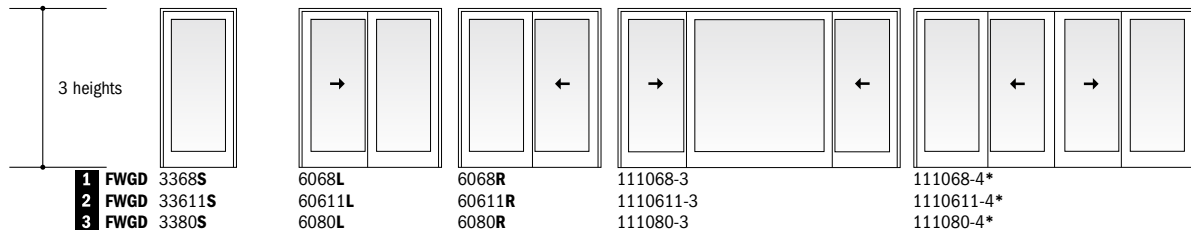
Door Dimension	2'-8 3/8" (822)	4'-11 1/4" (1505)	4'-11 1/4" (1505)	9'-9" (2972)	9'-9" (2972)
<b>Minimum Rough Opening</b>	2'-9" (838)	5'-0" (1524)	5'-0" (1524)	9'-10" (2997)	9'-10" (2997)
Unobstructed Glass (single panel only)	21 1/8" (537)	21 1/8" (537)	21 1/8" (537)	21 1/8" (537)   52" (1321)   21 1/8" (537)	21 1/8" (537)



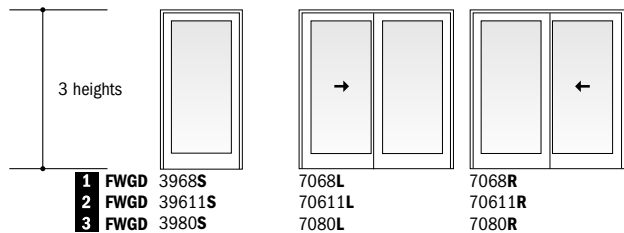
**Custom-size patio doors are available in 1/8" (3) increments.** See pages 160-162 for custom sizes, specifications and information on shipping patio doors greater than 8' (2438).



Door Dimension	3'-2 3/8" (974)	5'-11 1/4" (1810)	5'-11 1/4" (1810)	11'-9" (3581)	11'-9" (3581)
<b>Minimum Rough Opening</b>	3'-3" (991)	6'-0" (1829)	6'-0" (1829)	11'-10" (3606)	11'-10" (3606)
Unobstructed Glass (single panel only)	27 1/8" (689)	27 1/8" (689)	27 1/8" (689)	27 1/8" (689)   64" (1626)   27 1/8" (689)	27 1/8" (689)



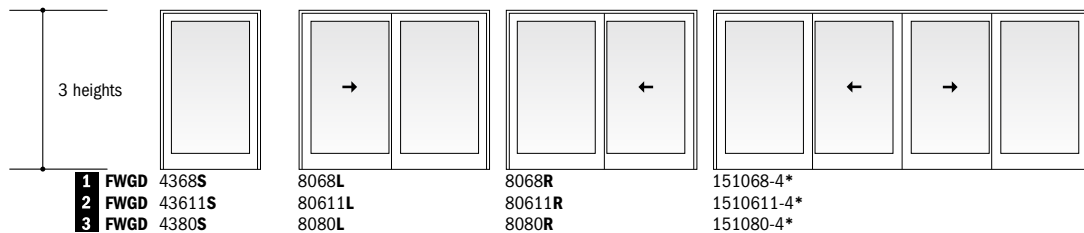
Door Dimension	3'-8 3/8" (1126)	6'-11 1/4" (2114)	6'-11 1/4" (2114)
<b>Minimum Rough Opening</b>	3'-9" (1067)	7'-0" (2133)	7'-0" (2133)
Unobstructed Glass (single panel only)	33 1/8" (841)	33 1/8" (841)	33 1/8" (841)



Viewed from the exterior. Arrows indicate direction of panel operation. Stationary (S) doors can be used as an individual patio door or as a sidelight. Single-panel patio doors are factory-assembled. Two-panel patio doors are available unassembled or can be factory-assembled and will arrive at the jobsite ready to install. Three- and four-panel patio doors are not available factory-assembled.

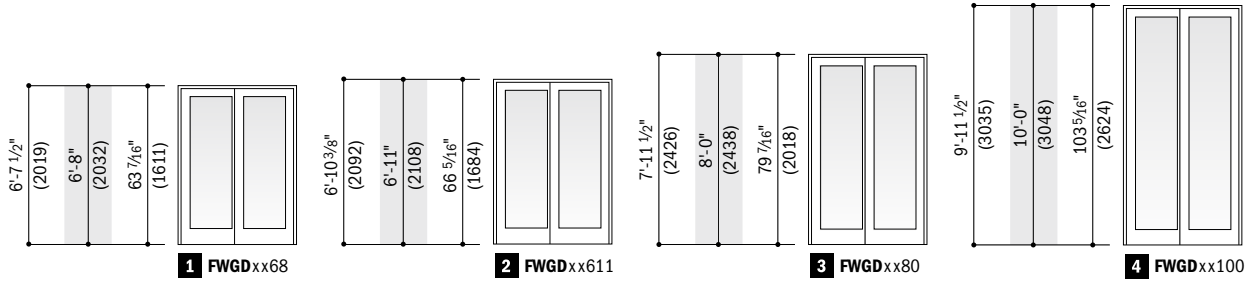
Details shown on pages 132-133. Grille patterns shown on page 146.

Door Dimension	4'-2 3/8" (1279)	7'-11 1/4" (2419)	7'-11 1/4" (2419)	15'-9" (4801)
<b>Minimum Rough Opening</b>	4'-3" (1295)	8'-0" (2438)	8'-0" (2438)	15'-10" (4826)
Unobstructed Glass (single panel only)	39 1/8" (994)	39 1/8" (994)	39 1/8" (994)	39 1/8" (994)



- "Door Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.
- \*Add 1/4" (6) to the "Minimum Rough Opening" height dimension for four-panel doors.

**Four Patio Door Heights**



For all four-panel gliding patio doors, add 1/4" (6) to the "Minimum Rough Opening" height dimension.

**Frenchwood® Gliding Patio Door Opening and Area Specifications**

Door Number	Number of Panels in Open Position	Clear Opening Area Sq. Ft./ (m <sup>2</sup> )	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Area Sq. Ft./ (m <sup>2</sup> )	Overall Door Area Sq. Ft./ (m <sup>2</sup> )
			Width Inches/(mm)	Height Inches/(mm)			
FWGD5068	1	11.16 (1.04)	21 1/4" (540)	75 1/2" (1918)	18.61 (1.73)	11.16 (1.04)	32.71 (3.04)
FWGD6068	1	14.31 (1.33)	27 1/4" (692)	75 1/2" (1918)	23.90 (2.22)	14.31 (1.33)	39.34 (3.65)
FWGD7068	1	17.45 (1.62)	33 1/4" (845)	75 1/2" (1918)	29.19 (2.71)	17.45 (1.62)	45.96 (4.27)
FWGD8068	1	20.60 (1.91)	39 1/4" (997)	75 1/2" (1918)	34.47 (3.20)	20.60 (1.91)	52.59 (4.89)
FWGD91068-4	2	22.60 (2.10)	43 1/16" (1094)	75 1/2" (1918)	37.22 (3.46)	22.60 (2.10)	64.59 (6.00)
FWGD91068-3	1	11.16 (1.04)	21 1/4" (540)	75 1/2" (1918)	41.51 (3.86)	11.16 (1.04)	64.59 (6.00)
FWGD111068-4	2	28.89 (2.68)	55 1/16" (1399)	75 1/2" (1918)	47.80 (4.44)	28.89 (2.68)	77.84 (7.23)
FWGD111068-3	1	14.31 (1.33)	27 1/4" (692)	75 1/2" (1918)	52.08 (4.84)	14.31 (1.33)	77.84 (7.23)
FWGD151068-4	2	41.49 (3.86)	79 1/16" (2008)	75 1/2" (1918)	68.94 (6.40)	41.49 (3.85)	104.34 (9.69)
FWGD50611	1	11.58 (1.08)	21 1/4" (540)	78 7/16" (1992)	19.46 (1.81)	11.58 (1.08)	33.89 (3.15)
FWGD60611	1	14.85 (1.38)	27 1/4" (692)	78 7/16" (1992)	24.98 (2.32)	14.85 (1.38)	40.76 (3.79)
FWGD70611	1	18.12 (1.68)	33 1/4" (845)	78 7/16" (1992)	30.51 (2.83)	18.12 (1.68)	47.62 (4.42)
FWGD80611	1	21.39 (1.99)	39 1/4" (997)	78 7/16" (1992)	36.03 (3.35)	21.39 (1.99)	54.49 (5.06)
FWGD910611-4	2	23.46 (2.18)	43 1/16" (1094)	78 7/16" (1992)	38.91 (3.61)	23.46 (2.18)	66.93 (6.22)
FWGD910611-3	1	11.58 (1.08)	21 1/4" (540)	78 7/16" (1992)	43.39 (4.03)	11.58 (1.08)	66.93 (6.22)
FWGD1110611-4	2	29.99 (2.79)	55 1/16" (1399)	78 7/16" (1992)	49.96 (4.64)	29.99 (2.79)	80.66 (7.49)
FWGD1110611-3	1	14.85 (1.38)	27 1/4" (692)	78 7/16" (1992)	54.44 (5.06)	14.85 (1.38)	80.66 (7.49)
FWGD1510611-4	2	43.07 (4.00)	79 1/16" (2008)	78 7/16" (1992)	72.07 (6.70)	43.07 (4.00)	108.12 (10.04)
FWGD5080	1	13.52 (1.26)	21 1/4" (540)	91 1/2" (2324)	23.31 (2.17)	13.52 (1.26)	39.29 (3.65)
FWGD6080	1	17.33 (1.61)	27 1/4" (692)	91 1/2" (2324)	29.93 (2.78)	17.33 (1.61)	47.25 (4.39)
FWGD7080	1	21.15 (1.96)	33 1/4" (845)	91 1/2" (2324)	36.55 (3.40)	21.15 (1.96)	55.21 (5.13)
FWGD8080	1	24.96 (2.32)	39 1/4" (997)	91 1/2" (2324)	43.17 (4.01)	24.96 (2.32)	63.17 (5.87)
FWGD91080-4	2	27.38 (2.54)	43 1/16" (1094)	91 1/2" (2324)	46.61 (4.33)	27.38 (2.54)	77.59 (7.21)
FWGD91080-3	1	13.52 (1.26)	21 1/4" (540)	91 1/2" (2324)	51.97 (4.83)	13.52 (1.26)	77.59 (7.21)
FWGD111080-4	2	35.01 (3.25)	55 1/16" (1399)	91 1/2" (2324)	59.85 (5.56)	35.01 (3.25)	93.51 (8.69)
FWGD111080-3	1	17.33 (1.61)	27 1/4" (692)	91 1/2" (2324)	65.21 (6.06)	17.33 (1.61)	93.51 (8.69)
FWGD151080-4	2	50.27 (4.67)	79 1/16" (2008)	91 1/2" (2324)	86.33 (8.02)	50.27 (4.67)	125.34 (11.64)
FWGD50100	1	17.04 (1.58)	21 1/4" (540)	115 1/2" (2934)	30.35 (2.71)	17.04 (1.58)	49.17 (4.57)
FWGD60100	1	21.86 (2.03)	27 1/4" (692)	115 1/2" (2934)	38.97 (3.47)	21.86 (2.03)	59.13 (5.49)
FWGD70100	1	26.67 (2.48)	33 1/4" (845)	115 1/2" (2934)	47.59 (4.24)	26.67 (2.48)	69.09 (6.42)
FWGD80100	1	31.48 (2.93)	39 1/4" (997)	115 1/2" (2934)	56.21 (5.01)	31.48 (2.93)	79.04 (7.34)
FWGD910100-4	2	34.54 (3.21)	43 1/16" (1094)	115 1/2" (2934)	60.69 (5.41)	34.54 (3.21)	97.09 (9.02)
FWGD910100-3	1	17.04 (1.58)	21 1/4" (540)	115 1/2" (2934)	67.68 (6.03)	17.04 (1.58)	97.09 (9.02)
FWGD1110100-4	2	44.16 (4.10)	55 1/16" (1399)	115 1/2" (2934)	77.93 (6.95)	44.16 (4.10)	117.01 (10.87)
FWGD1110100-3	1	21.86 (2.03)	27 1/4" (692)	115 1/2" (2934)	84.92 (7.57)	21.86 (2.03)	117.01 (10.87)
FWGD1510100-4	2	63.41 (5.89)	79 1/16" (2008)	115 1/2" (2934)	112.41 (10.02)	63.41 (5.89)	156.84 (14.57)

• Dimensions in parentheses are in millimeters or square meters.

**Stationary Frenchwood® Gliding Patio Door Area Specifications**

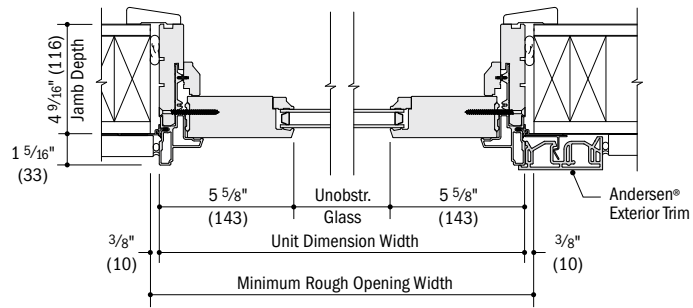
Door Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Door Area Sq. Ft./ (m <sup>2</sup> )
FWGD2968S	9.31 (0.86)	17.86 (1.66)
FWGD3368S	11.95 (1.11)	21.17 (1.97)
FWGD3968S	14.59 (1.36)	24.48 (2.27)
FWGD4368S	17.24 (1.60)	27.79 (2.58)
FWGD29611S	9.73 (0.90)	18.50 (1.72)
FWGD33611S	12.49 (1.16)	21.93 (2.04)
FWGD39611S	15.25 (1.42)	25.37 (2.36)
FWGD43611S	18.02 (1.67)	28.80 (2.68)
FWGD2980S	11.65 (1.08)	21.45 (1.99)
FWGD3380S	14.96 (1.39)	21.94 (2.04)
FWGD3980S	18.27 (1.70)	29.41 (2.73)
FWGD4380S	21.58 (2.00)	33.39 (3.10)
FWGD29100S	15.17 (1.41)	26.84 (2.49)
FWGD33100S	19.48 (1.81)	31.82 (2.96)
FWGD39100S	23.79 (2.21)	36.80 (3.42)
FWGD43100S	28.10 (2.61)	41.78 (3.88)

• Dimensions in parentheses are in square meters.

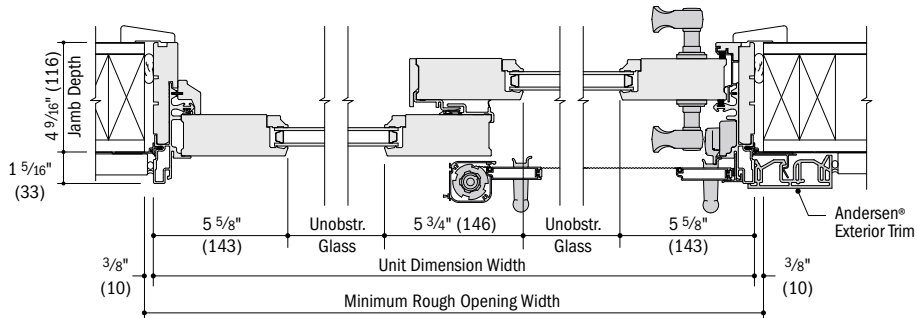
# FRENCHWOOD® GLIDING PATIO DOORS

## Frenchwood® Gliding Patio Door Details

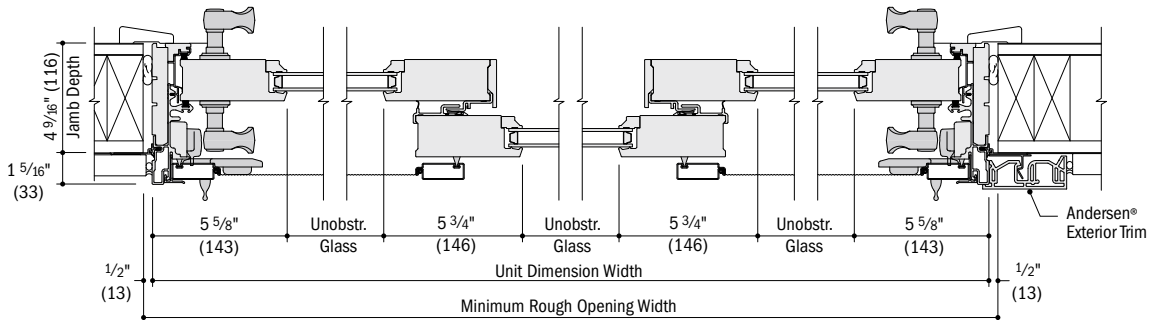
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



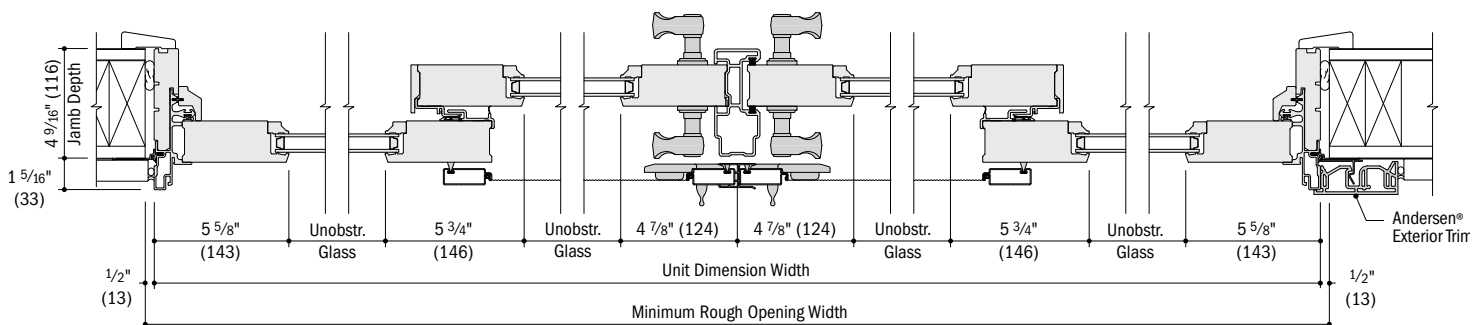
**Horizontal Section – Stationary**



**Horizontal Section – Two-Panel**  
Retractable Insect Screen



**Horizontal Section – Three-Panel**  
Top-Hung Gliding or Gliding Insect Screen

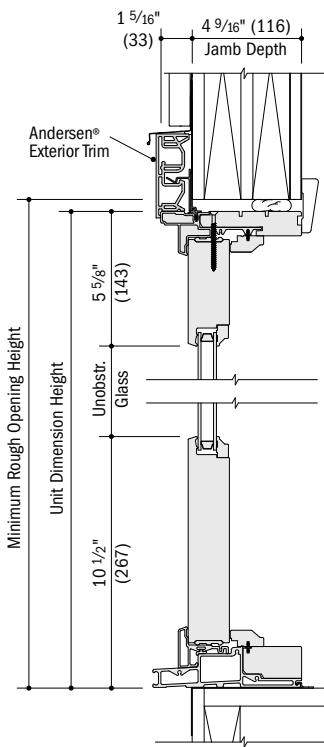


**Horizontal Section – Four-Panel**  
Top-Hung Gliding or Gliding Insect Screen

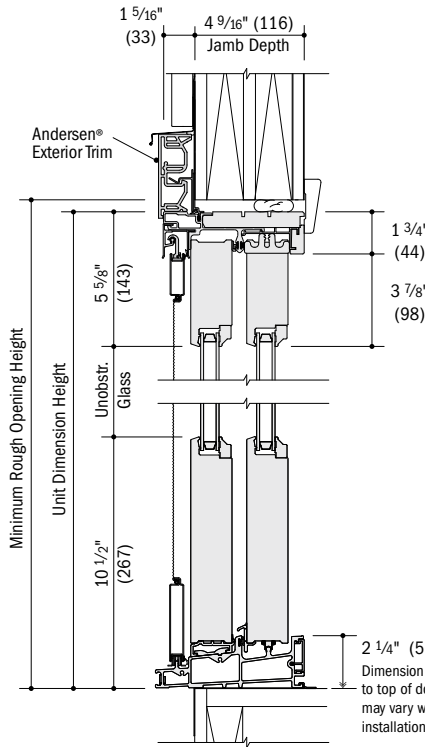
- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

**Frenchwood® Gliding Patio Door Details**

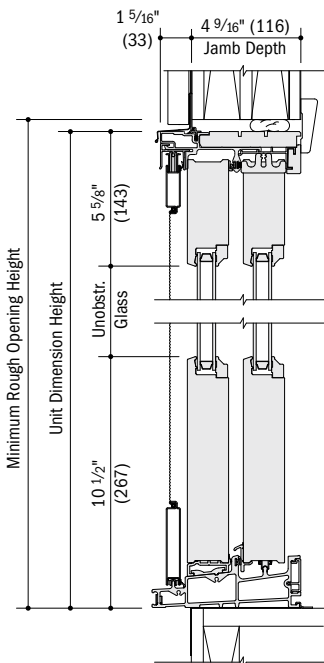
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



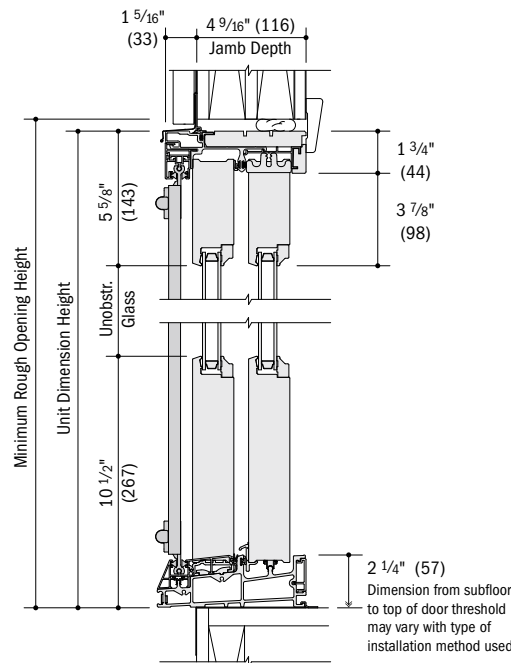
**Vertical Section – Stationary**



**Vertical Section – Operating**  
Top-Hung Gliding Insect Screen



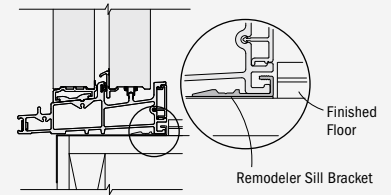
**Vertical Section – Operating**  
Gliding Insect Screen



**Vertical Section – Operating**  
Retractable Insect Screen

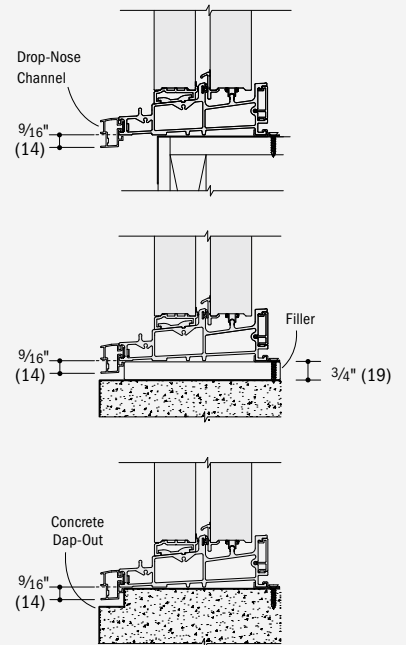
**Remodeler Sill Bracket**

Optional remodeler sill bracket is available for installations with an existing finished interior floor.



**Drop-Nose Channel**

Optional drop-nose channel is available when higher product performance is required. Wood and concrete installations shown.



See pages 156-159 for horizontal and vertical joining details.

- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

# FRENCHWOOD® HINGED INSWING PATIO DOORS

**Table of Frenchwood® Hinged Inswing Patio Door Sizes**

Notes on the next page also apply to this page.

Scale 1/8" (3) = 1'-0" (305) – 1:96

Door Dimension	2'-0 1/8" (612)	3'-11 1/4" (1200)	3'-11 1/4" (1200)		2'-6 1/8" (764)	2'-6 1/8" (764)	2'-6 1/8" (764)	4'-11 1/4" (1505)	4'-11 1/4" (1505)	4'-11 1/4" (1505)
<b>Minimum Rough Opening</b>	2'-1" (634)	4'-0" (1219)	4'-0" (1219)		2'-7" (787)	2'-7" (787)	2'-7" (787)	5'-0" (1524)	5'-0" (1524)	5'-0" (1524)
Unobstructed Glass (single panel only)	12 7/8" (327)	12 7/8" (327)	12 7/8" (327)		18 7/8" (479)	18 7/8" (479)	18 7/8" (479)	18 7/8" (479)	18 7/8" (479)	18 7/8" (479)
3 heights										
<b>1 FWHID</b>	2168S*	4068SS	4068APLR/4068PALR		2768S	2768AR	2768AL	5068SS	5068ASR	5068ASL
<b>2 FWHID</b>	21611S*	40611SS	40611APLR/40611PALR		27611S	27611AR	27611AL	50611SS	50611ASR	50611ASL
<b>3 FWHID</b>	2180S*	4080SS	4080APLR/4080PALR		2780S	2780AR	2780AL	5080SS	5080ASR	5080ASL
Door Dimension	2'-8 1/8" (815)	2'-8 1/8" (815)	2'-8 1/8" (815)	5'-3 1/4" (1607)	5'-3 1/4" (1607)	5'-3 1/4" (1607)	5'-3 1/4" (1607)	5'-3 1/4" (1607)	5'-3 1/4" (1607)	
<b>Minimum Rough Opening</b>	2'-9" (838)	2'-9" (838)	2'-9" (838)	5'-4" (1626)	5'-4" (1626)	5'-4" (1626)	5'-4" (1626)	5'-4" (1626)	5'-4" (1626)	
Unobstructed Glass (single panel only)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	
3 heights										
<b>1 FWHID</b>	2968S	2968AR	2968AL	5468SS	5468ASR	5468ASL	5468SAR	5468SAL	5468APLR/5468PALR	
<b>2 FWHID</b>	29611S	29611AR	29611AL	54611SS	54611ASR	54611ASL	54611SAR	54611SAL	54611APLR/54611PALR	
<b>3 FWHID</b>	2980S	2980AR	2980AL	5480SS	5480ASR	5480ASL	5480SAR	5480SAL	5480APLR/5480PALR	
Door Dimension	3'-0 1/8" (917)	3'-0 1/8" (917)	3'-0 1/8" (917)	5'-11 1/4" (1810)	5'-11 1/4" (1810)	5'-11 1/4" (1810)	5'-11 1/4" (1810)	5'-11 1/4" (1810)	5'-11 1/4" (1810)	
<b>Minimum Rough Opening</b>	3'-1" (940)	3'-1" (940)	3'-1" (940)	6'-0" (1829)	6'-0" (1829)	6'-0" (1829)	6'-0" (1829)	6'-0" (1829)	6'-0" (1829)	
Unobstructed Glass (single panel only)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	
3 heights										
<b>1 FWHID</b>	3168S	3168AR	3168AL	6068SS	6068ASR	6068ASL	6068SAR	6068SAL	6068APLR/6068PALR	
<b>2 FWHID</b>	31611S	31611AR	31611AL	60611SS	60611ASR	60611ASL	60611SAR	60611SAL	60611APLR/60611PALR	
<b>3 FWHID</b>	3180S	3180AR	3180AL	6080SS	6080ASR	6080ASL	6080SAR	6080SAL	6080APLR/6080PALR	
Door Dimension	3'-2 1/8" (968)	3'-2 1/8" (968)	3'-2 1/8" (968)	6'-3 1/4" (1911)	6'-3 1/4" (1911)	6'-3 1/4" (1911)	6'-3 1/4" (1911)	6'-3 1/4" (1911)	6'-3 1/4" (1911)	
<b>Minimum Rough Opening</b>	3'-3" (991)	3'-3" (991)	3'-3" (991)	6'-4" (1930)	6'-4" (1930)	6'-4" (1930)	6'-4" (1930)	6'-4" (1930)	6'-4" (1930)	
Unobstructed Glass (single panel only)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	
3 heights										
<b>1 FWHID</b>	3368S	3368AR	3368AL	6468SS	6468ASR	6468ASL	6468SAR	6468SAL	6468APLR/6468PALR	
<b>2 FWHID</b>	33611S	33611AR	33611AL	64611SS	64611ASR	64611ASL	64611SAR	64611SAL	64611APLR/64611PALR	
<b>3 FWHID</b>	3380S	3380AR	3380AL	6480SS	6480ASR	6480ASL	6480SAR	6480SAL	6480APLR/6480PALR	

\* "Door Dimension" always refers to outside frame to frame dimension.

\* "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.

• Dimensions in parentheses are in millimeters.

\* Active left- and right-hinged patio doors also available. Contact your Andersen supplier for more information.

continued on pages 136-137



**Inswing patio door sizes on pages 134-137.**

4'-11 1/4" (1505)	4'-11 1/4" (1505)	4'-11 1/4" (1505)
5'-0" (1524)	5'-0" (1524)	5'-0" (1524)
18 7/8" (479)	18 7/8" (479)	18 7/8" (479)

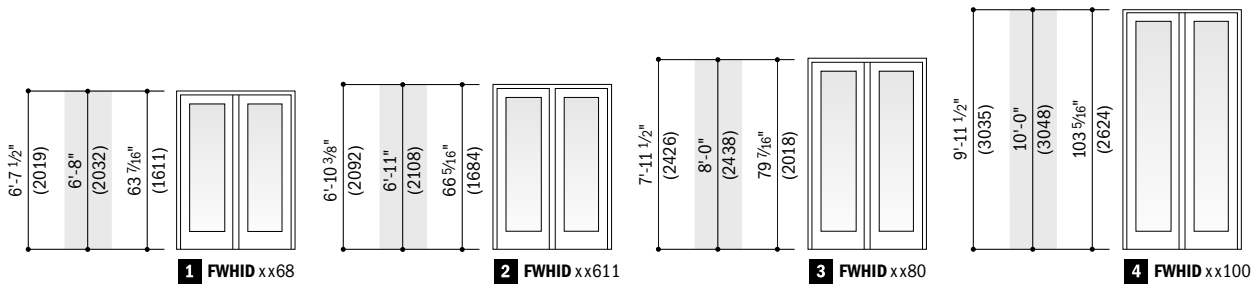


5068 <b>SAR</b> 50611 <b>SAR</b> 5080 <b>SAR</b>	5068 <b>SAL</b> 50611 <b>SAL</b> 5080 <b>SAL</b>	5068 <b>APLR</b> /5068 <b>PALR</b> 50611 <b>APLR</b> /50611 <b>PALR</b> 5080 <b>APLR</b> /5080 <b>PALR</b>

**Custom-size doors are available in 1/8" (3) increments.** See pages 160-162 for custom sizes, specifications and information on shipping patio doors greater than 8' (2438).

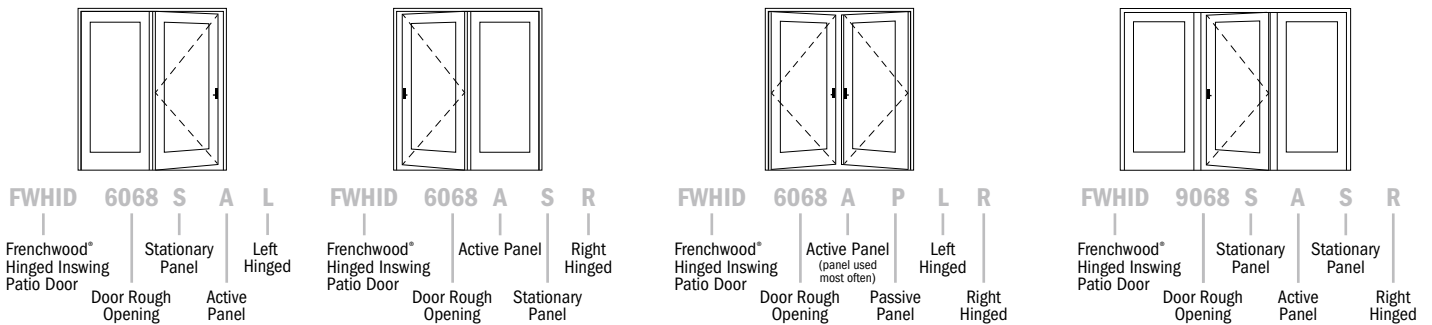
Inswing doors are available in both 4 9/16" (116) and 6 9/16" (167) jamb depths. Stationary (**S**) patio doors can be used as an individual patio door or as a sidelight. Grille patterns shown on page 146.

**Four Patio Door Heights**



**Order Designation Description**

Viewed from the exterior.



- "Door Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Dimensions in parentheses are in millimeters.

# FRENCHWOOD® HINGED INSWING PATIO DOORS

**Table of Frenchwood® Hinged Inswing Patio Door Sizes** (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Door Dimension	7'-10 7/16" (2398)	7'-10 7/16" (2398)	7'-10 7/16" (2398)	7'-10 7/16" (2398)	7'-10 7/16" (2398)	7'-10 7/16" (2398)
<b>Minimum Rough Opening</b>	7'-11" (2413)	7'-11" (2413)	7'-11" (2413)	7'-11" (2413)	7'-11" (2413)	7'-11" (2413)
Unobstructed Glass (single panel only)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)
3 heights						
<b>1 FWHID</b>	71168SS-3	71168ASSR-3	71168ASSL-3	71168SASR-3	71168SASL-3	71168SSAR-3
<b>2 FWHID</b>	711611SS-3	711611ASSR-3	711611ASSL-3	711611SASR-3	711611SASL-3	711611SSAR-3
<b>3 FWHID</b>	71180SS-3	71180ASSR-3	71180SASSL-3	71180SASR-3	71180SASL-3	71180SSAR-3
Door Dimension	8'-10 7/16" (2703)	8'-10 7/16" (2703)	8'-10 7/16" (2703)	8'-10 7/16" (2703)	8'-10 7/16" (2703)	8'-10 7/16" (2703)
<b>Minimum Rough Opening</b>	8'-11" (2717)	8'-11" (2717)	8'-11" (2717)	8'-11" (2717)	8'-11" (2717)	8'-11" (2717)
Unobstructed Glass (single panel only)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)
3 heights						
<b>1 FWHID</b>	81168SS-3	81168ASSR-3	81168ASSL-3	81168SASR-3	81168SASL-3	81168SSAR-3
<b>2 FWHID</b>	811611SS-3	811611ASSR-3	811611ASSL-3	811611SASR-3	811611SASL-3	811611SSAR-3
<b>3 FWHID</b>	81180SS-3	81180ASSR-3	81180SASSL-3	81180SASR-3	81180SASL-3	81180SSAR-3
Door Dimension	9'-4 7/16" (2856)	9'-4 7/16" (2856)	9'-4 7/16" (2856)	9'-4 7/16" (2856)	9'-4 7/16" (2856)	9'-4 7/16" (2856)
<b>Minimum Rough Opening</b>	9'-5" (2870)	9'-5" (2870)	9'-5" (2870)	9'-5" (2870)	9'-5" (2870)	9'-5" (2870)
Unobstructed Glass (single panel only)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)
3 heights						
<b>1 FWHID</b>	9668SS-3	9668ASSR-3	9668ASSL-3	9668SASR-3	9668SASL-3	9668SSAR-3
<b>2 FWHID</b>	96611SS-3	96611ASSR-3	96611ASSL-3	96611SASR-3	96611SASL-3	96611SSAR-3
<b>3 FWHID</b>	9680SS-3	9680ASSR-3	9680ASSL-3	9680SASR-3	9680SASL-3	9680SSAR-3



**Custom-size doors are available in 1/8" (3) increments.**

See pages 160-162 for custom sizes, specifications and information on shipping patio doors greater than 8' (2438).

Inswing patio doors are available in both 4 9/16" (116) and 6 9/16" (167) jamb depths.

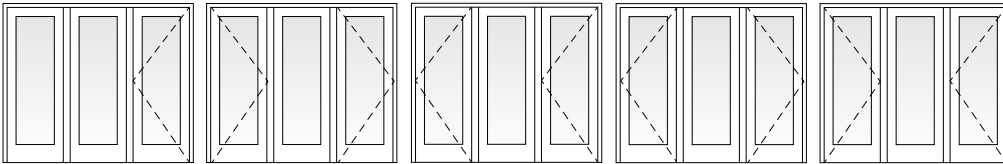
Stationary (**S**) patio doors can be used as an individual patio door or as a sidelight.

Details shown on pages 140-143. Grille patterns shown on page 146.

- "Door Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Dimensions in parentheses are in millimeters.

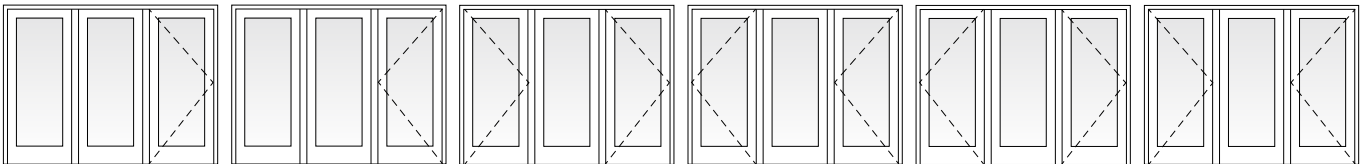
Inswing patio door sizes on pages 134-137.

7'-10 7/16" (2398)	7'-10 7/16" (2398)	7'-10 7/16" (2398)	7'-10 7/16" (2398)	7'-10 7/16" (2398)
7'-11" (2413)	7'-11" (2413)	7'-11" (2413)	7'-11" (2413)	7'-11" (2413)
20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)



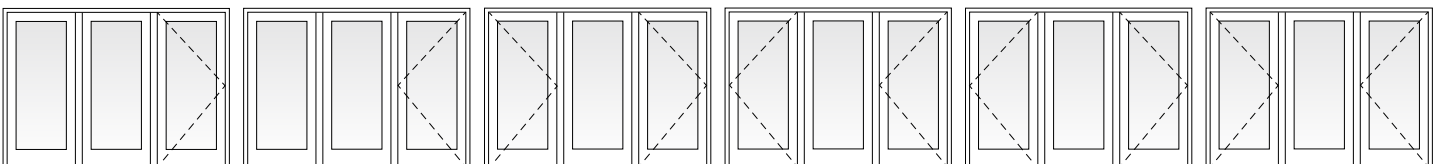
71168SSAL-3      71168ASARR-3      71168ASALL-3      71168ASALR-3      71168ASARL-3  
 711611SSAL-3      711611ASARR-3      711611ASALL-3      711611ASALR-3      711611ASARL-3  
 71180SSAL-3      71180ASARR-3      71180ASALL-3      71180ASALR-3      71180ASARL-3

8'-10 7/16" (2703)	8'-10 7/16" (2703)	8'-10 7/16" (2703)	8'-10 7/16" (2703)	8'-10 7/16" (2703)	8'-10 7/16" (2703)
8'-11" (2717)	8'-11" (2717)	8'-11" (2717)	8'-11" (2717)	8'-11" (2717)	8'-11" (2717)
24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)



81168SSAR-3      81168SSAL-3      81168ASARR-3      81168ASALL-3      81168ASALR-3      81168ASARL-3  
 811611SSAR-3      811611SSAL-3      811611ASARR-3      811611ASALL-3      811611ASALR-3      811611ASARL-3  
 81180SSAR-3      81180SSAL-3      81180ASARR-3      81180ASALL-3      81180ASALR-3      81180ASARL-3

9'-4 7/16" (2856)	9'-4 7/16" (2856)	9'-4 7/16" (2856)	9'-4 7/16" (2856)	9'-4 7/16" (2856)	9'-4 7/16" (2856)
9'-5" (2870)	9'-5" (2870)	9'-5" (2870)	9'-5" (2870)	9'-5" (2870)	9'-5" (2870)
26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)



9668SSAR-3      9668SSAL-3      9668ASARR-3      9668ASALL-3      9668ASALR-3      9668ASARL-3  
 96611SSAR-3      96611SSAL-3      96611ASARR-3      96611ASALL-3      96611ASALR-3      96611ASARL-3  
 9680SSAR-3      9680SSAL-3      9680ASARR-3      9680ASALL-3      9680ASALR-3      9680ASARL-3



Custom-size doors are available in 1/8" (3) increments.

See pages 160-162 for custom sizes, specifications and information on shipping patio doors greater than 8' (2438).

Inswing patio doors are available in both 4 9/16" (116) and 6 9/16" (167) jamb depths.

Stationary (S) patio doors can be used as an individual patio door or as a sidelight.

Grille patterns shown on page 146.

- "Door Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Dimensions in parentheses are in millimeters.

# FRENCHWOOD® HINGED INSWING PATIO DOORS

## Frenchwood® Hinged Inswing Patio Door Opening and Area Specifications

Door Number	Number of Panels in Open Position*	Clear Opening Area Sq. Ft./(m <sup>2</sup> )	Clear Opening Maximums			Glass Area Sq. Ft./(m <sup>2</sup> )	Vent Area Sq. Ft./(m <sup>2</sup> )	Overall Door Area Sq. Ft./(m <sup>2</sup> )
			90° Width Inches/(mm)	Full Width Inches/(mm)	Height Inches/(mm)			
<b>FWHID2168S**</b>	1	10.43 (0.97)	18 5/16" (465)	20" (508)	75 1/2" (1918)	5.67 (0.53)	10.43 (0.97)	13.30 (1.24)
<b>FWHID2768</b>	1	13.57 (1.26)	24 5/16" (618)	26" (660)	75 1/2" (1918)	8.31 (0.77)	13.57 (1.26)	16.61 (1.54)
<b>FWHID2968</b>	1	14.62 (1.36)	26 5/16" (668)	28" (711)	75 1/2" (1918)	9.20 (0.85)	14.62 (1.36)	17.72 (1.65)
<b>FWHID3168</b>	1	16.71 (1.55)	30 5/16" (770)	32" (813)	75 1/2" (1918)	10.96 (1.02)	16.71 (1.55)	19.93 (1.85)
<b>FWHID3368</b>	1	17.75 (1.65)	32 5/16" (821)	34" (864)	75 1/2" (1918)	11.84 (1.10)	17.75 (1.65)	21.03 (1.95)
<b>FWHID4068</b>	2	22.54 (2.09)	18 5/16" (465)	43 1/8" (1095)	75 1/2" (1918)	11.34 (1.05)	22.54 (2.09)	26.09 (2.42)
<b>FWHID4068</b>	1	10.43 (0.97)	18 5/16" (465)	20" (508)	75 1/2" (1918)	11.34 (1.05)	10.43 (0.97)	26.09 (2.42)
<b>FWHID5068</b>	1 AS/SA	13.57 (1.26)	24 5/16" (618)	26" (660)	75 1/2" (1918)	16.63 (1.54)	13.57 (1.26)	32.71 (3.04)
<b>FWHID5068</b>	2 AP/PA	28.81 (2.68)	24 5/16" (618)	55 1/8" (1400)	75 1/2" (1918)	16.63 (1.54)	28.81 (2.68)	32.71 (3.04)
<b>FWHID5068</b>	1 AP/PA	13.57 (1.26)	24 5/16" (618)	26" (660)	75 1/2" (1918)	16.63 (1.54)	13.57 (1.26)	32.71 (3.04)
<b>FWHID5468</b>	1 AS/SA	14.62 (1.36)	26 5/16" (668)	28" (711)	75 1/2" (1918)	18.39 (1.71)	14.62 (1.36)	34.92 (3.24)
<b>FWHID5468</b>	2 AP/PA	30.90 (2.87)	26 5/16" (668)	59 1/8" (1502)	75 1/2" (1918)	18.39 (1.71)	30.90 (2.87)	34.92 (3.24)
<b>FWHID5468</b>	1 AP/PA	14.61 (1.36)	26 5/16" (668)	28" (711)	75 1/2" (1918)	18.39 (1.71)	14.61 (1.36)	34.92 (3.24)
<b>FWHID6068</b>	1 AS/SA	16.71 (1.55)	30 5/16" (770)	32" (813)	75 1/2" (1918)	21.92 (2.04)	16.71 (1.55)	39.34 (3.65)
<b>FWHID6068</b>	2 AP/PA	35.08 (3.26)	30 5/16" (770)	67 1/8" (1705)	75 1/2" (1918)	21.92 (2.04)	35.08 (3.26)	39.34 (3.65)
<b>FWHID6068</b>	1 AP/PA	16.71 (1.55)	30 5/16" (770)	32" (813)	75 1/2" (1918)	21.92 (2.04)	16.71 (1.55)	39.34 (3.65)
<b>FWHID6468</b>	1 AS/SA	17.75 (1.65)	32 5/16" (821)	34" (864)	75 1/2" (1918)	23.68 (2.20)	17.75 (1.65)	41.54 (3.86)
<b>FWHID6468</b>	2 AP/PA	37.17 (3.45)	32 5/16" (821)	71 1/8" (1806)	75 1/2" (1918)	23.68 (2.20)	37.17 (3.45)	41.54 (3.86)
<b>FWHID6468</b>	1 AP/PA	17.75 (1.65)	32 5/16" (821)	34" (864)	75 1/2" (1918)	23.68 (2.20)	17.75 (1.65)	41.54 (3.86)
<b>FWHID71168-3</b>	1 ASS/SAS/SSA/ASA	14.62 (1.36)	26 5/16" (668)	28" (711)	75 1/2" (1918)	27.95 (2.60)	14.62 (1.36)	52.12 (4.84)
<b>FWHID71168-3</b>	2 ASA	14.62 (1.36)	26 5/16" (668)	28" (711)	75 1/2" (1918)	27.95 (2.60)	29.24 (2.72)	52.12 (4.84)
<b>FWHID81168-3</b>	1 ASS/SAS/SSA/ASA	16.71 (1.55)	30 5/16" (770)	32" (813)	75 1/2" (1918)	32.87 (3.05)	16.71 (1.55)	58.74 (5.46)
<b>FWHID81168-3</b>	2 ASA	16.71 (1.55)	30 5/16" (770)	32" (813)	75 1/2" (1918)	32.87 (3.05)	33.42 (3.10)	58.74 (5.46)
<b>FWHID9668-3</b>	1 ASS/SAS/SSA/ASA	17.75 (1.65)	32 5/16" (821)	34" (864)	75 1/2" (1918)	35.52 (3.30)	17.75 (1.65)	62.06 (5.77)
<b>FWHID9668-3</b>	2 ASA	17.75 (1.65)	32 5/16" (821)	34" (864)	75 1/2" (1918)	35.52 (3.30)	35.50 (3.30)	62.06 (5.77)
<b>FWHID21611S**</b>	1	10.83 (1.01)	18 5/16" (465)	20" (508)	78 1/8" (1984)	5.93 (0.55)	10.83 (1.01)	13.78 (1.28)
<b>FWHID27611</b>	1	14.09 (1.31)	24 5/16" (618)	26" (660)	78 1/8" (1984)	8.69 (0.81)	14.09 (1.31)	17.22 (1.60)
<b>FWHID29611</b>	1	15.17 (1.41)	26 5/16" (668)	28" (711)	78 1/8" (1984)	9.61 (0.89)	15.17 (1.41)	18.36 (1.71)
<b>FWHID31611</b>	1	17.34 (1.61)	30 5/16" (770)	32" (813)	78 1/8" (1984)	11.45 (1.06)	17.34 (1.61)	20.65 (1.92)
<b>FWHID33611</b>	1	18.43 (1.71)	32 5/16" (821)	34" (864)	78 1/8" (1984)	12.38 (1.15)	18.43 (1.71)	21.79 (2.02)
<b>FWHID40611</b>	2	23.40 (2.17)	18 5/16" (465)	43 1/8" (1095)	78 1/8" (1984)	11.86 (1.10)	23.40 (2.17)	27.03 (2.51)
<b>FWHID40611</b>	1	10.83 (1.01)	18 5/16" (465)	20" (508)	78 1/8" (1984)	11.86 (1.10)	10.83 (1.01)	27.03 (2.51)
<b>FWHID50611</b>	1 AS/SA	14.09 (1.31)	24 5/16" (618)	26" (660)	78 1/8" (1984)	17.38 (1.61)	14.09 (1.31)	33.89 (3.15)
<b>FWHID50611</b>	2 AP/PA	29.91 (2.78)	24 5/16" (618)	55 1/8" (1400)	78 1/8" (1984)	17.38 (1.61)	29.91 (2.78)	33.89 (3.15)
<b>FWHID50611</b>	1 AP/PA	14.09 (1.31)	24 5/16" (618)	26" (660)	78 1/8" (1984)	17.38 (1.61)	14.09 (1.31)	33.89 (3.15)
<b>FWHID54611</b>	1 AS/SA	15.17 (1.41)	26 5/16" (668)	28" (711)	78 1/8" (1984)	19.22 (1.79)	15.17 (1.41)	36.18 (3.36)
<b>FWHID54611</b>	2 AP/PA	32.08 (2.98)	26 5/16" (668)	59 1/8" (1502)	78 1/8" (1984)	19.22 (1.79)	32.08 (2.98)	36.18 (3.36)
<b>FWHID54611</b>	1 AP/PA	15.17 (1.41)	26 5/16" (668)	28" (711)	78 1/8" (1984)	19.22 (1.79)	15.17 (1.41)	36.18 (3.36)
<b>FWHID60611</b>	1 AS/SA	17.34 (1.61)	30 5/16" (770)	32" (813)	78 1/8" (1984)	22.91 (2.13)	17.34 (1.61)	40.76 (3.79)
<b>FWHID60611</b>	2 AP/PA	36.42 (3.38)	30 5/16" (770)	67 1/8" (1705)	78 1/8" (1984)	22.91 (2.13)	36.42 (3.38)	40.76 (3.79)
<b>FWHID60611</b>	1 AP/PA	17.34 (1.61)	30 5/16" (770)	32" (813)	78 1/8" (1984)	22.91 (2.13)	17.34 (1.61)	40.76 (3.79)
<b>FWHID64611</b>	1 AS/SA	18.43 (1.71)	32 5/16" (821)	34" (864)	78 1/8" (1984)	24.75 (2.30)	18.43 (1.71)	43.05 (4.00)
<b>FWHID64611</b>	2 AP/PA	38.59 (3.59)	32 5/16" (821)	71 1/8" (1806)	78 1/8" (1984)	24.75 (2.30)	38.59 (3.59)	43.05 (4.00)
<b>FWHID64611</b>	1 AP/PA	18.43 (1.71)	32 5/16" (821)	34" (864)	78 1/8" (1984)	24.75 (2.30)	18.43 (1.71)	43.05 (4.00)
<b>FWHID711611-3</b>	1 ASS/SAS/SSA/ASA	15.17 (1.41)	26 5/16" (668)	28" (711)	78 1/8" (1984)	28.84 (2.68)	15.17 (1.41)	54.00 (5.02)
<b>FWHID711611-3</b>	2 ASA	15.17 (1.41)	26 5/16" (668)	28" (711)	78 1/8" (1984)	28.84 (2.68)	30.34 (2.82)	54.00 (5.02)
<b>FWHID811611-3</b>	1 ASS/SAS/SSA/ASA	17.34 (1.61)	30 5/16" (770)	32" (813)	78 1/8" (1984)	34.36 (3.19)	17.34 (1.61)	60.87 (5.65)
<b>FWHID811611-3</b>	2 ASA	17.34 (1.61)	30 5/16" (770)	32" (813)	78 1/8" (1984)	34.36 (3.19)	34.68 (3.22)	60.87 (5.65)
<b>FWHID96611-3</b>	1 ASS/SAS/SSA/ASA	18.43 (1.71)	32 5/16" (821)	34" (864)	78 1/8" (1984)	37.14 (3.45)	18.43 (1.71)	64.30 (5.97)
<b>FWHID96611-3</b>	2 ASA	18.43 (1.71)	32 5/16" (821)	34" (864)	78 1/8" (1984)	37.14 (3.45)	36.86 (3.42)	64.30 (5.97)
<b>FWHID2180S**</b>	1	12.65 (1.18)	18 5/16" (465)	20" (508)	91 1/2" (2324)	7.10 (0.66)	12.65 (1.18)	15.98 (1.48)
<b>FWHID2780</b>	1	16.46 (1.53)	24 5/16" (618)	26" (660)	91 1/2" (2324)	10.41 (0.97)	16.46 (1.53)	19.96 (1.85)
<b>FWHID2980</b>	1	17.72 (1.65)	26 5/16" (668)	28" (711)	91 1/2" (2324)	11.52 (1.07)	17.72 (1.65)	21.28 (1.98)
<b>FWHID3180</b>	1	20.26 (1.88)	30 5/16" (770)	32" (813)	91 1/2" (2324)	13.72 (1.27)	20.26 (1.88)	23.94 (2.22)
<b>FWHID3380</b>	1	21.53 (2.00)	32 5/16" (821)	34" (864)	91 1/2" (2324)	14.82 (1.38)	21.53 (2.00)	25.26 (2.35)
<b>FWHID4080</b>	2	27.33 (2.54)	18 5/16" (465)	43 1/8" (1095)	91 1/2" (2324)	14.20 (1.32)	27.33 (2.54)	31.34 (2.91)
<b>FWHID4080</b>	1	12.65 (1.18)	18 5/16" (465)	20" (508)	91 1/2" (2324)	14.20 (1.32)	12.65 (1.18)	31.34 (2.91)
<b>FWHID5080</b>	1 AS/SA	16.46 (1.53)	24 5/16" (618)	26" (660)	91 1/2" (1984)	20.82 (1.93)	16.46 (1.53)	39.29 (3.65)
<b>FWHID5080</b>	2 AP/PA	34.93 (3.25)	24 5/16" (618)	55 1/8" (1400)	91 1/2" (2324)	20.82 (1.93)	34.93 (3.24)	39.29 (3.65)

\* Dimensions in parentheses are in millimeters or square meters.

\*\*For two-panel AP/PA doors with only one panel open, clear opening is based on the active panel open and the passive panel closed.

\*\*\*Active left- and right-hinged patio doors also available. Contact your Andersen supplier for more information.

*continued on next page*

**Frenchwood® Hinged Inswing Patio Door Opening and Area Specifications** (continued)

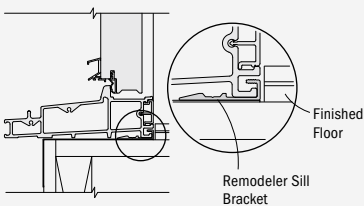
Door Number	Number of Panels in Open Position*	Clear Opening Area Sq. Ft./ (m <sup>2</sup> )	Clear Opening Maximums			Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Area Sq. Ft./ (m <sup>2</sup> )	Overall Door Area Sq. Ft./ (m <sup>2</sup> )
			90° Width Inches/(mm)	Full Width Inches/(mm)	Height Inches/(mm)			
FWHID5080	1 AP/PA	16.45 (1.53)	24 5/16" (618)	26" (660)	91 1/2" (2324)	20.82 (1.93)	16.45 (1.53)	39.29 (3.65)
FWHID5480	1 AS/SA	17.72 (1.65)	26 5/16" (668)	28" (711)	91 1/2" (2324)	23.03 (2.14)	17.72 (1.65)	41.95 (3.90)
FWHID5480	2 AP/PA	37.47 (3.48)	26 5/16" (668)	59 1/8" (1502)	91 1/2" (2324)	23.03 (2.14)	37.47 (3.48)	41.95 (3.90)
FWHID5480	1 AP/PA	17.72 (1.65)	26 5/16" (668)	28" (711)	91 1/2" (2324)	23.03 (2.14)	17.72 (1.65)	41.95 (3.90)
FWHID6080	1 AS/SA	20.26 (1.88)	30 5/16" (770)	32" (813)	91 1/2" (2324)	27.44 (2.55)	20.26 (1.88)	47.25 (4.39)
FWHID6080	2 AP/PA	42.54 (3.95)	30 5/16" (770)	67 1/8" (1705)	91 1/2" (2324)	27.44 (2.55)	42.54 (3.95)	47.25 (4.39)
FWHID6080	1 AP/PA	20.26 (1.88)	30 5/16" (770)	32" (813)	91 1/2" (2324)	27.44 (2.55)	20.26 (1.88)	47.25 (4.39)
FWHID6480	1 AS/SA	21.53 (2.00)	32 5/16" (821)	34" (864)	91 1/2" (2324)	29.65 (2.75)	21.53 (2.00)	49.91 (4.64)
FWHID6480	2 AP/PA	45.07 (4.19)	32 5/16" (821)	71 1/8" (1806)	91 1/2" (2324)	29.65 (2.75)	45.07 (4.19)	49.91 (4.64)
FWHID6480	1 AP/PA	21.52 (2.00)	32 5/16" (821)	34" (864)	91 1/2" (2324)	29.65 (2.75)	21.52 (2.00)	49.91 (4.64)
FWHID71180-3	1 ASS/SAS/SSA/ASA	17.72 (1.65)	26 5/16" (668)	28" (711)	91 1/2" (2324)	34.55 (3.21)	17.72 (1.65)	62.61 (5.82)
FWHID71180-3	2 ASA	17.72 (1.65)	26 5/16" (668)	28" (711)	91 1/2" (2324)	34.55 (3.21)	35.44 (3.30)	62.61 (5.82)
FWHID81180-3	1 ASS/SAS/SSA/ASA	20.26 (1.88)	30 5/16" (770)	32" (813)	91 1/2" (2324)	41.16 (3.82)	20.26 (1.88)	70.57 (6.56)
FWHID81180-3	2 ASA	20.26 (1.88)	30 5/16" (770)	32" (813)	91 1/2" (2324)	41.16 (3.82)	40.52 (3.76)	70.57 (6.56)
FWHID9680-3	1 ASS/SAS/SSA/ASA	21.53 (2.00)	32 5/16" (821)	34" (864)	91 1/2" (2324)	44.46 (4.13)	21.53 (2.00)	74.55 (6.93)
FWHID9680-3	2 ASA	21.53 (2.00)	32 5/16" (821)	34" (864)	91 1/2" (2324)	44.46 (4.13)	43.06 (4.00)	74.55 (6.93)
FWHID27100	1	20.85 (1.94)	24 5/16" (618)	26" (660)	115 1/2" (2934)	13.56 (1.26)	20.85 (1.94)	24.97 (2.32)
FWHID29100	1	22.46 (2.09)	26 5/16" (668)	28" (711)	115 1/2" (2934)	14.99 (1.39)	22.46 (2.09)	26.63 (2.47)
FWHID31100	1	25.67 (2.39)	30 5/16" (770)	32" (813)	115 1/2" (2934)	17.87 (1.66)	25.67 (2.39)	29.95 (2.78)
FWHID33100	1	27.27 (2.53)	32 5/16" (821)	34" (864)	115 1/2" (2934)	19.30 (1.79)	27.27 (2.53)	31.61 (2.94)
FWHID40100	2	34.59 (3.21)	18 5/16" (465)	43 1/8" (1095)	115 1/2" (2934)	18.50 (1.72)	34.59 (3.21)	39.21 (3.64)
FWHID40100	1	16.04 (1.49)	18 5/16" (465)	20" (508)	115 1/2" (2934)	18.50 (1.72)	16.04 (1.49)	39.21 (3.64)
FWHID50100	1 AS/SA	20.85 (1.94)	24 5/16" (618)	26" (660)	115 1/2" (2934)	27.11 (2.52)	20.85 (1.94)	49.17 (4.57)
FWHID50100	2 AP/PA	44.21 (4.11)	24 5/16" (618)	55 1/8" (1400)	115 1/2" (2934)	27.11 (2.52)	44.21 (4.11)	49.17 (4.57)
FWHID50100	1 AP/PA	20.85 (1.94)	24 5/16" (618)	26" (660)	115 1/2" (2934)	27.11 (2.52)	20.85 (1.94)	49.17 (4.57)
FWHID54100	1 AS/SA	22.46 (2.09)	26 5/16" (668)	28" (711)	115 1/2" (2934)	29.99 (2.79)	22.46 (2.09)	52.49 (4.88)
FWHID54100	2 AP/PA	47.42 (4.41)	26 5/16" (668)	59 1/8" (1502)	115 1/2" (2934)	29.99 (2.79)	47.42 (4.41)	52.49 (4.88)
FWHID54100	1 AP/PA	22.46 (2.09)	26 5/16" (668)	28" (711)	115 1/2" (2934)	29.99 (2.79)	22.46 (2.09)	52.49 (4.88)
FWHID60100	1 AS/SA	25.67 (2.39)	30 5/16" (770)	32" (813)	115 1/2" (2934)	35.73 (3.32)	25.67 (2.39)	59.13 (5.49)
FWHID60100	2 AP/PA	53.84 (5.00)	30 5/16" (770)	67 1/8" (1705)	115 1/2" (2934)	35.73 (3.32)	53.84 (5.00)	59.13 (5.49)
FWHID60100	1 AP/PA	25.67 (2.39)	30 5/16" (770)	32" (813)	115 1/2" (2934)	35.73 (3.32)	25.67 (2.39)	59.13 (5.49)
FWHID64100	1 AS/SA	27.27 (2.53)	32 5/16" (821)	34" (864)	115 1/2" (2934)	38.61 (3.59)	27.27 (2.53)	62.45 (5.80)
FWHID64100	2 AP/PA	57.05 (5.30)	32 5/16" (821)	71 1/8" (1806)	115 1/2" (2934)	38.61 (3.59)	57.05 (5.30)	62.45 (5.80)
FWHID64100	1 AP/PA	27.27 (2.53)	32 5/16" (821)	34" (864)	115 1/2" (2934)	38.61 (3.59)	27.27 (2.53)	62.45 (5.80)
FWHID711100-3	1 ASS/SAS/SSA/ASA	22.46 (2.09)	26 5/16" (668)	28" (711)	115 1/2" (2934)	44.98 (4.18)	22.46 (2.09)	78.34 (7.28)
FWHID711100-3	2 ASA	22.46 (2.09)	26 5/16" (668)	28" (711)	115 1/2" (2934)	44.98 (4.18)	44.92 (4.17)	78.34 (7.28)
FWHID811100-3	1 ASS/SAS/SSA/ASA	25.67 (2.39)	30 5/16" (770)	32" (813)	115 1/2" (2934)	53.60 (4.98)	25.67 (2.39)	88.30 (8.20)
FWHID811100-3	2 ASA	25.67 (2.39)	30 5/16" (770)	32" (813)	115 1/2" (2934)	53.60 (4.98)	51.33 (4.77)	88.30 (8.20)
FWHID96100-3	1 ASS/SAS/SSA/ASA	27.27 (2.53)	32 5/16" (821)	34" (864)	115 1/2" (2934)	57.91 (5.38)	27.27 (2.53)	93.28 (8.67)
FWHID96100-3	2 ASA	27.27 (2.53)	32 5/16" (821)	34" (864)	115 1/2" (2934)	57.91 (5.38)	54.54 (5.07)	93.28 (8.67)

\* Dimensions in parentheses are in millimeters or square meters.  
\* For two-panel AP/PA doors with only one panel open, clear opening is based on the active panel open and the passive panel closed.

A-Series Frenchwood® Hinged Inswing Patio Doors

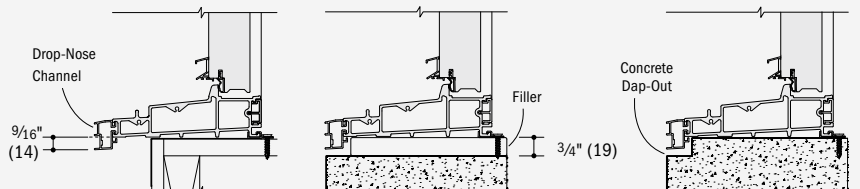
**Remodeler Sill Bracket**

Optional remodeler sill bracket is available for installations with an existing finished interior floor.



**Drop-Nose Channel**

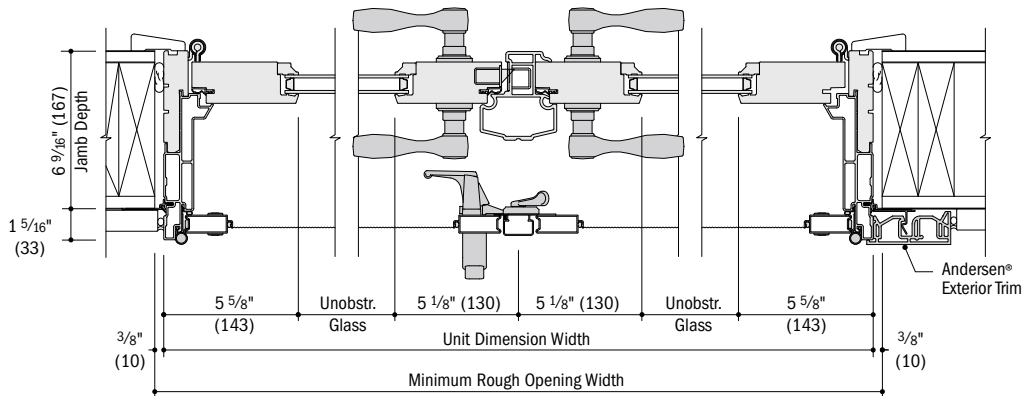
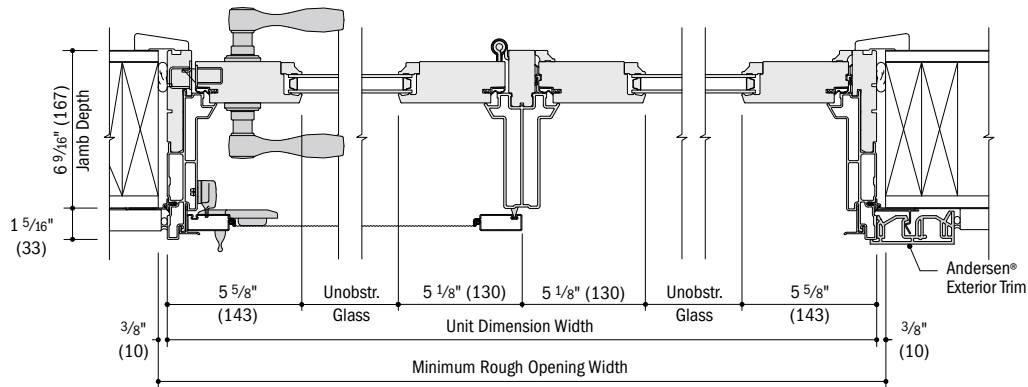
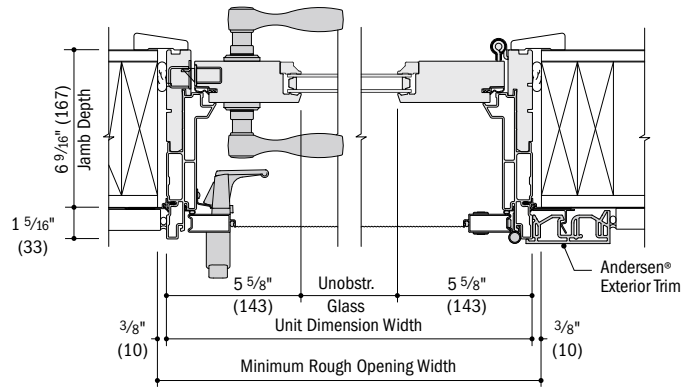
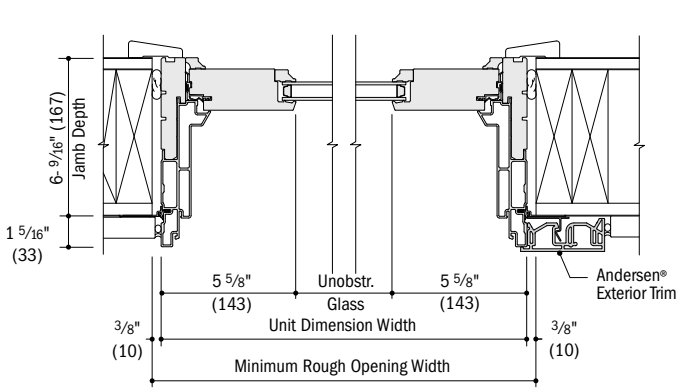
Optional drop-nose channel is available when higher product performance is required. Wood and concrete installations shown.



# FRENCHWOOD® HINGED INSWING PATIO DOORS

## Frenchwood® Hinged Inswing Patio Door Details – 6 9/16" (167) Jamb Depth

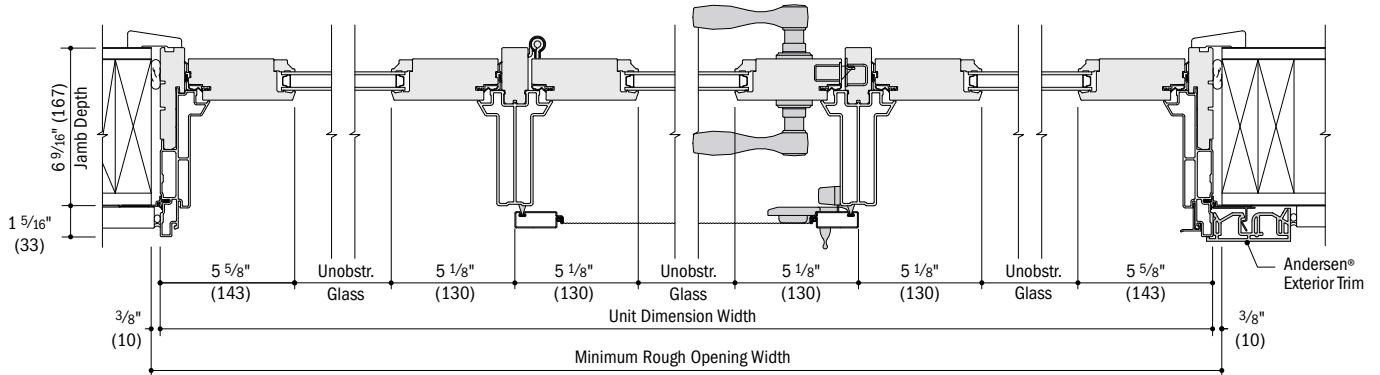
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



- 6 9/16" (167) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

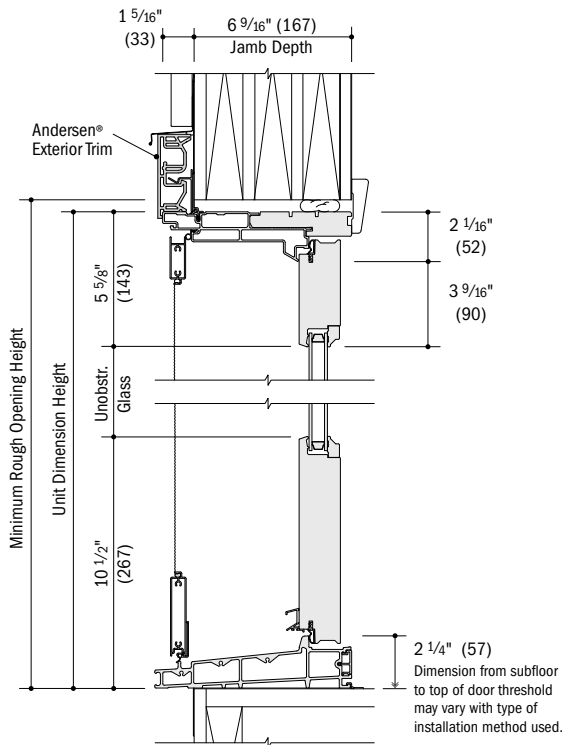
**Frenchwood® Hinged Inswing Patio Door Details – 6 9/16" (167) Jamb Depth**

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

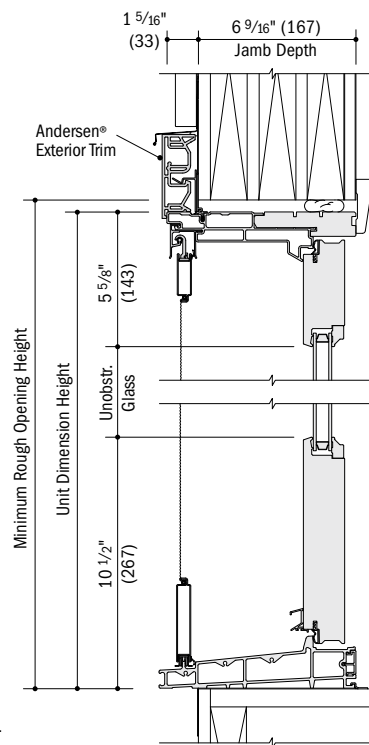


**Horizontal Section – Three-Panel Stationary-Active-Stationary (SASL/SASR/ASSL/ASSR/SSAL/SSAR)**

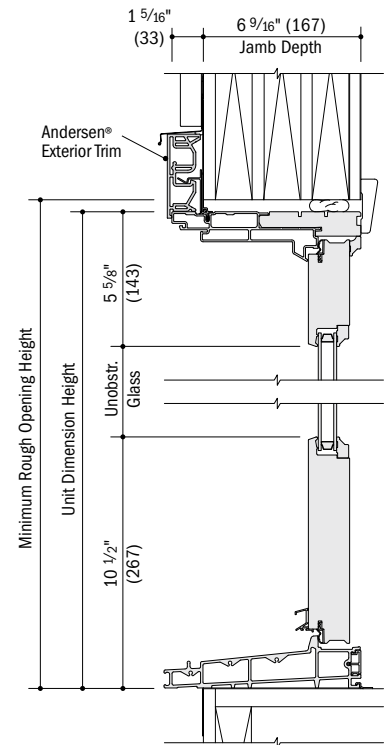
Top-Hung Gliding or Gliding Insect Screen



**Vertical Section – Active**  
Hinged Insect Screen



**Vertical Section – Active**  
Top-Hung Gliding Insect Screen



**Vertical Section – Stationary**

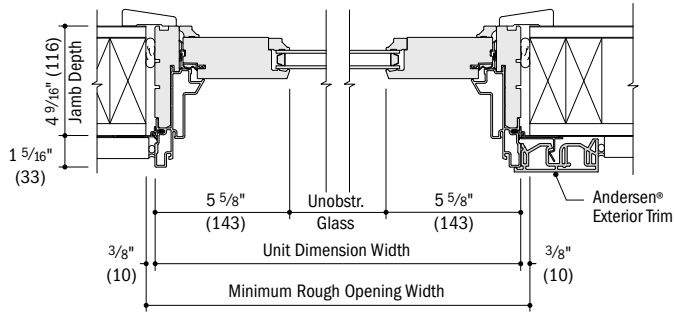
See pages 156-159 for horizontal and vertical joining details.

- 6 9/16" (167) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

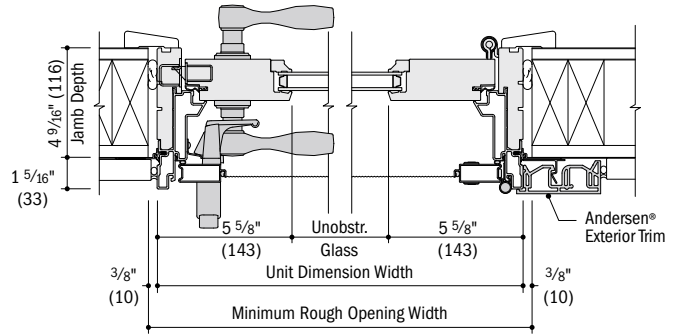
# FRENCHWOOD® HINGED INSWING PATIO DOORS

## Frenchwood® Hinged Inswing Patio Door Details – 4 9/16" (116) Jamb Depth

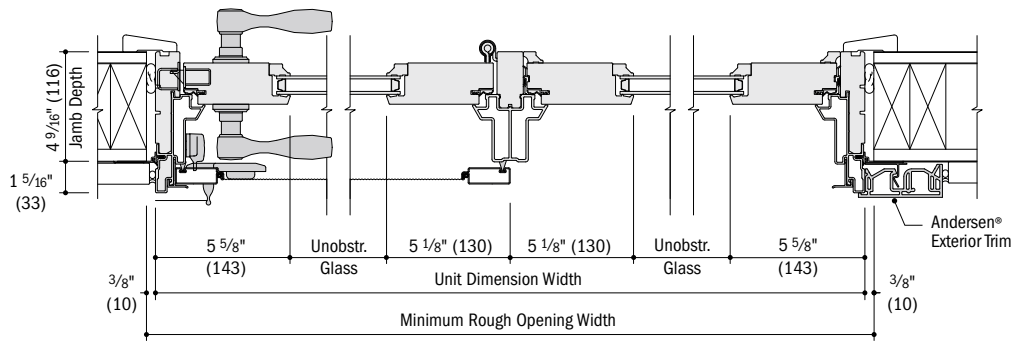
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



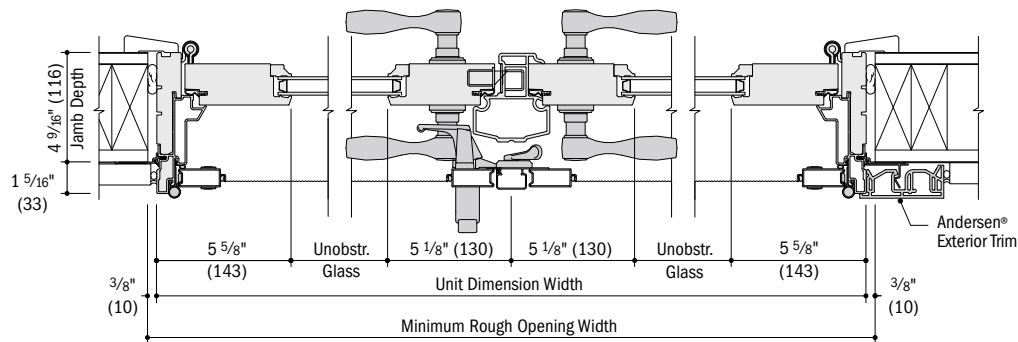
**Horizontal Section – Stationary (S)**



**Horizontal Section – Active (AR/AL)**  
Hinged Insect Screen



**Horizontal Section – Two-Panel Active-Stationary (ASR/ASL/SAL/SAR)**  
Top-Hung Gliding or Gliding Insect Screen



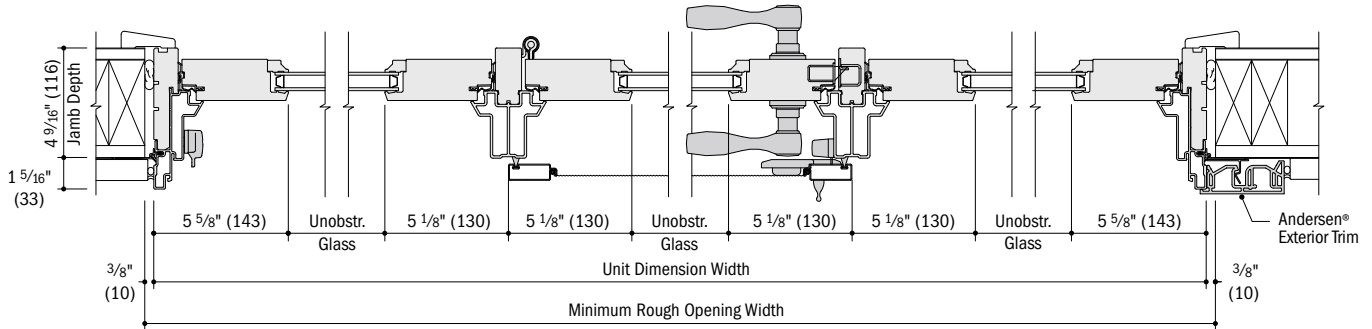
**Horizontal Section – Two-Panel Active-Passive (APLR/PALR)**  
Hinged Insect Screen

- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.



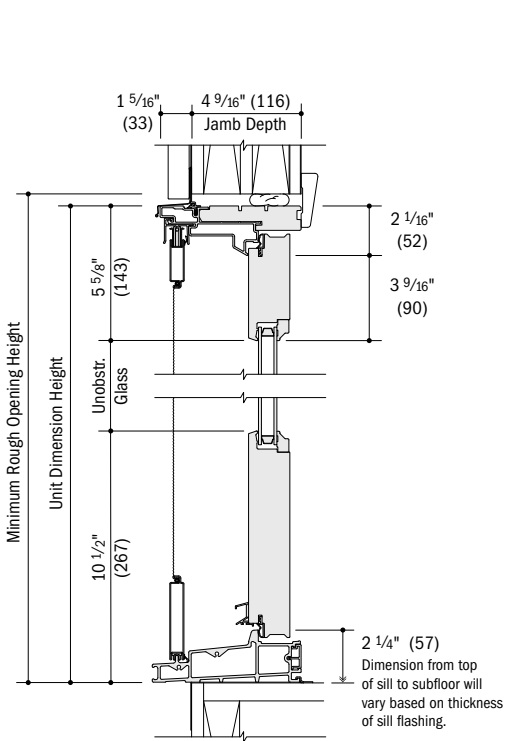
**Frenchwood® Hinged Inswing Patio Door Details – 4 9/16" (116) Jamb Depth**

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

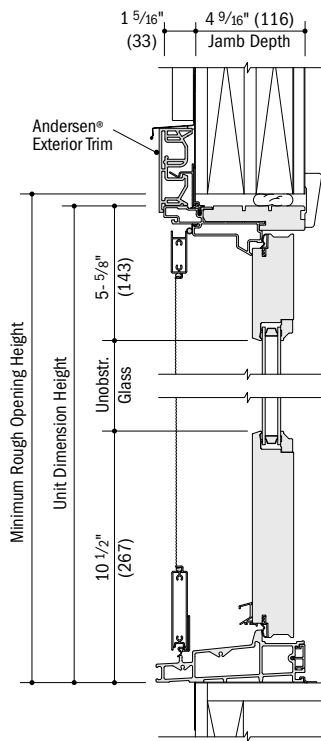


**Horizontal Section – Three-Panel Stationary-Active-Stationary (SASL/SASR/ASSL/ASSR/SSAL/SSAR)**

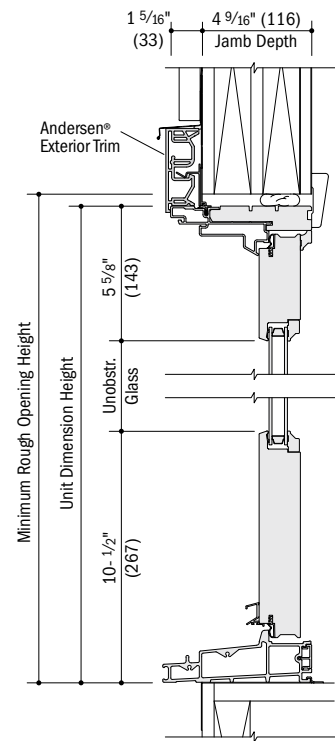
Top-Hung Gliding or Gliding Insect Screen



**Vertical Section – Active**  
Gliding Insect Screen



**Vertical Section – Active**  
Hinged Insect Screen



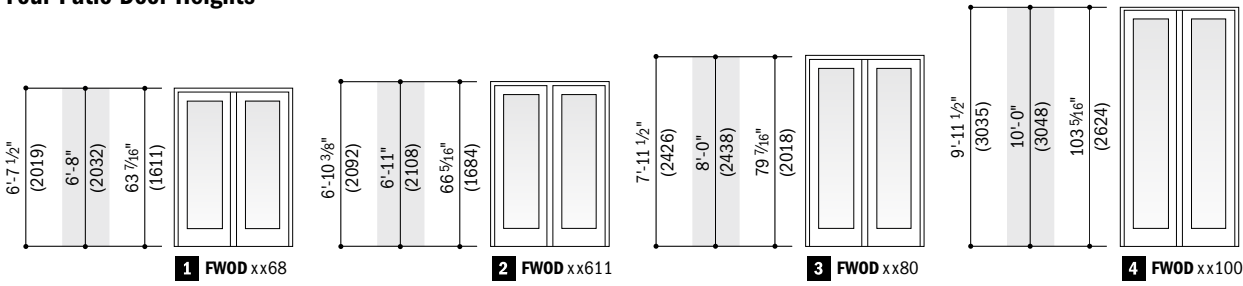
**Vertical Section – Stationary**

See pages 156-159 for horizontal and vertical joining details.

- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

# FRENCHWOOD® HINGED OUTSWING PATIO DOORS

## Four Patio Door Heights



## Table of Frenchwood® Hinged Outswing Patio Door Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Door Dimension	2'-0 1/8" (612)	2'-0 1/8" (612)	2'-0 1/8" (612)	3'-11 1/4" (1200)	2'-6 1/8" (764)	2'-6 1/8" (764)	2'-6 1/8" (764)	4'-11 1/4" (1505)
<b>Minimum Rough Opening</b>	2'-1" (634)	2'-1" (634)	2'-1" (634)	4'-0" (1219)	2'-7" (787)	2'-7" (787)	2'-7" (787)	5'-0" (1524)
Unobstructed Glass (single panel only)	12 7/8" (327)	12 7/8" (327)	12 7/8" (327)	12 7/8" (327)	18 7/8" (479)	18 7/8" (479)	18 7/8" (479)	18 7/8" (479)
3 heights								
	<b>1</b> FWOD 2168S <b>2</b> FWOD 21611S <b>3</b> FWOD 2180S	2168AR 21611AR 2180AR	2168AL 21611AL 2180AL	4068APLR/4068PALR 40611APLR/40611PALR 4080APLR/4080PALR	2768S 27611S 2780S	2768AR 27611AR 2780AR	2768AL 27611AL 2780AL	5068APLR/5068PALR 50611APLR/50611PALR 5080APLR/5080PALR
Door Dimension	2'-8 1/8" (815)	2'-8 1/8" (815)	2'-8 1/8" (815)	5'-3 1/4" (1607)	3'-0 1/8" (917)	3'-0 1/8" (917)	3'-0 1/8" (917)	5'-11 1/4" (1810)
<b>Minimum Rough Opening</b>	2'-9" (838)	2'-9" (838)	2'-9" (838)	5'-4" (1626)	3'-1" (940)	3'-1" (940)	3'-1" (940)	6'-0" (1829)
Unobstructed Glass (single panel only)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	20 7/8" (530)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)	24 7/8" (632)
3 heights								
	<b>1</b> FWOD 2968S <b>2</b> FWOD 29611S <b>3</b> FWOD 2980S	2968AR 29611AR 2980AR	2968AL 29611AL 2980AL	5468APLR/5468PALR 54611APLR/54611PALR 5480APLR/5480PALR	3168S 31611S 3180S	3168AR 31611AR 3180AR	3168AL 31611AL 3180AL	6068APLR/6068PALR 60611APLR/60611PALR 6080APLR/6080PALR
Door Dimension	3'-2 1/8" (968)	3'-2 1/8" (968)	3'-2 1/8" (968)	6'-3 1/4" (1911)				
<b>Minimum Rough Opening</b>	3'-3" (991)	3'-3" (991)	3'-3" (991)	6'-4" (1930)				
Unobstructed Glass (single panel only)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)	26 7/8" (683)				
3 heights								
	<b>1</b> FWOD 3368S <b>2</b> FWOD 33611S <b>3</b> FWOD 3380S	3368AR 33611AR 3380AR	3368AL 33611AL 3380AL	6468APLR/6468PALR 64611APLR/64611PALR 6480APLR/6480PALR				



**Custom-size patio doors are available in 1/8" (3) increments.** See pages

160-162 for custom sizes, specifications and information on shipping patio doors greater than 8' (2438).

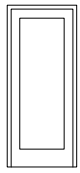
Stationary (S) patio doors can be used as an individual patio door or as a sidelight.

Details shown on pages 146-147. Grille patterns shown on page 146.

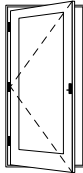
• "Window Dimension" always refers to outside frame to frame dimension.  
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.  
 • Dimensions in parentheses are in millimeters.

**Identification**

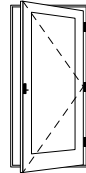
Viewed from the exterior.



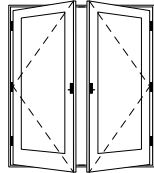
**Stationary**  
(non-operating panel)



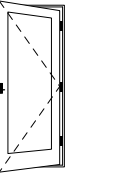
**Left Hinged**  
(hinges on left)



**Right Hinged**  
(hinges on right)



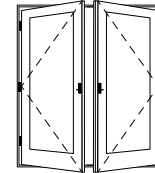
**Active Panel**  
(operating panel  
used most often)



**Passive Panel**  
(operating panel with  
attached astragal)

**Order Designation Description**

Viewed from the exterior.



**FWOD** Frenchwood® Hinged Outswing Patio Door  
**6068** Door Rough Opening  
**A** Active Panel (panel used most often)  
**P** Passive Panel  
**L** Left Hinged  
**R** Right Hinged

**Frenchwood® Hinged Outswing Patio Door Opening and Area Specifications**

Door Number	Number of Panels in Open Position*	Clear Opening Maximums				Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Sq. Ft./ (m <sup>2</sup> )	Overall Door Area Sq. Ft./ (m <sup>2</sup> )
		Clear Opening Sq. Ft./ (m <sup>2</sup> )	90° Width Inches/ (mm)	Full Width Inches/ (mm)	Height Inches/ (mm)			
FWOD2168	1	10.94 (1.02)	19 1/16" (484)	20 3/4" (527)	76 1/8" (1934)	5.67 (0.53)	10.94 (1.02)	13.30 (1.24)
FWOD2768	1	14.11 (1.31)	25 1/16" (637)	26 3/4" (679)	76 1/8" (1934)	8.31 (0.77)	14.11 (1.31)	16.61 (1.54)
FWOD2968	1	15.17 (1.41)	27 1/16" (687)	28 3/4" (730)	76 1/8" (1934)	9.20 (0.85)	15.17 (1.41)	17.72 (1.65)
FWOD3168	1	17.28 (1.61)	31 1/16" (789)	32 3/4" (832)	76 1/8" (1934)	10.96 (1.02)	17.28 (1.61)	19.93 (1.85)
FWOD3368	1	18.34 (1.70)	33 1/16" (840)	34 3/4" (883)	76 1/8" (1934)	11.84 (1.10)	18.34 (1.70)	21.03 (1.95)
FWOD4068	2	23.18 (2.15)	40 5/8" (1032)	43 7/8" (1114)	76 1/8" (1934)	11.34 (1.05)	23.18 (2.15)	26.09 (2.42)
FWOD4068	1	10.89 (1.01)	19" (483)	20 5/8" (524)	76 1/8" (1934)	11.34 (1.05)	10.89 (1.01)	26.09 (2.42)
FWOD5068	2	29.52 (2.74)	52 5/8" (1337)	55 7/8" (1419)	76 1/8" (1934)	16.63 (1.54)	29.52 (2.74)	32.71 (3.04)
FWOD5068	1	14.07 (1.31)	25" (635)	26 5/8" (676)	76 1/8" (1934)	16.63 (1.54)	14.07 (1.31)	32.71 (3.04)
FWOD5468	2	31.63 (2.94)	56 5/8" (1438)	59 7/8" (1521)	76 1/8" (1934)	18.39 (1.71)	31.63 (2.94)	34.92 (3.24)
FWOD5468	1	15.12 (1.40)	27" (686)	28 5/8" (727)	76 1/8" (1934)	18.39 (1.71)	15.12 (1.40)	34.92 (3.24)
FWOD6068	2	35.86 (3.33)	64 5/8" (1641)	67 7/8" (1724)	76 1/8" (1934)	21.92 (2.04)	35.86 (3.33)	39.34 (3.65)
FWOD6068	1	17.24 (1.60)	31" (787)	32 5/8" (829)	76 1/8" (1934)	21.92 (2.04)	17.24 (1.60)	39.34 (3.65)
FWOD6468	2	37.97 (3.53)	68 5/8" (1743)	71 7/8" (1826)	76 1/8" (1934)	23.68 (2.20)	37.97 (3.53)	41.54 (3.86)
FWOD6468	1	18.29 (1.70)	33" (838)	34 5/8" (879)	76 1/8" (1934)	23.68 (2.20)	18.29 (1.70)	41.54 (3.86)
FWOD21611	1	11.35 (1.05)	19 1/16" (484)	20 3/4" (527)	79" (2007)	5.93 (0.55)	11.35 (1.05)	13.78 (1.28)
FWOD27611	1	14.64 (1.36)	25 1/16" (637)	26 3/4" (679)	79" (2007)	8.69 (0.81)	14.64 (1.36)	17.22 (1.60)
FWOD29611	1	15.74 (1.46)	27 1/16" (687)	28 3/4" (730)	79" (2007)	9.61 (0.89)	15.74 (1.46)	18.36 (1.71)
FWOD31611	1	17.93 (1.67)	31 1/16" (789)	32 3/4" (832)	79" (2007)	11.45 (1.06)	17.93 (1.67)	20.65 (1.92)
FWOD33611	1	19.03 (1.77)	33 1/16" (840)	34 3/4" (883)	79" (2007)	12.38 (1.15)	19.03 (1.77)	21.79 (2.02)
FWOD40611	2	24.05 (2.23)	40 5/8" (1032)	43 7/8" (1114)	79" (2007)	11.86 (1.10)	24.05 (2.23)	27.03 (2.51)
FWOD40611	1	11.31 (1.05)	19" (483)	20 5/8" (524)	79" (2007)	11.86 (1.10)	11.31 (1.05)	27.03 (2.51)
FWOD50611	2	30.63 (2.85)	52 5/8" (1337)	55 7/8" (1419)	79" (2007)	17.38 (1.61)	30.63 (2.85)	33.89 (3.15)
FWOD50611	1	14.60 (1.36)	25" (635)	26 5/8" (676)	79" (2007)	17.38 (1.61)	14.60 (1.36)	33.89 (3.15)
FWOD54611	2	32.83 (3.05)	56 5/8" (1438)	59 7/8" (1521)	79" (2007)	19.22 (1.79)	32.83 (3.05)	36.18 (3.36)
FWOD54611	1	15.69 (1.46)	27" (686)	28 5/8" (727)	79" (2007)	19.22 (1.79)	15.69 (1.46)	36.18 (3.36)
FWOD60611	2	37.21 (3.46)	64 5/8" (1641)	67 7/8" (1724)	79" (2007)	22.91 (2.13)	37.21 (3.46)	40.76 (3.79)
FWOD60611	1	17.89 (1.66)	31" (787)	32 5/8" (829)	79" (2007)	22.91 (2.13)	17.89 (1.66)	40.76 (3.79)
FWOD64611	2	39.41 (3.66)	68 5/8" (1743)	71 7/8" (1826)	79" (2007)	24.75 (2.30)	39.41 (3.66)	43.05 (4.00)
FWOD64611	1	18.98 (1.76)	33" (838)	34 5/8" (879)	79" (2007)	24.75 (2.30)	18.98 (1.76)	43.05 (4.00)
FWOD2180	1	13.24 (1.23)	19 1/16" (484)	20 3/4" (527)	92 1/8" (2340)	7.10 (0.66)	13.24 (1.23)	15.98 (1.48)
FWOD2780	1	17.07 (1.59)	25 1/16" (637)	26 3/4" (679)	92 1/8" (2340)	10.41 (0.97)	17.07 (1.59)	19.96 (1.85)
FWOD2980	1	18.35 (1.71)	27 1/16" (687)	28 3/4" (730)	92 1/8" (2340)	11.52 (1.07)	18.35 (1.71)	21.28 (1.98)
FWOD3180	1	20.91 (1.94)	31 1/16" (789)	32 3/4" (832)	92 1/8" (2340)	13.72 (1.27)	20.91 (1.94)	23.94 (2.22)
FWOD3380	1	22.19 (2.06)	33 1/16" (840)	34 3/4" (883)	92 1/8" (2340)	14.82 (1.38)	22.19 (2.06)	25.26 (2.35)
FWOD4080	2	28.05 (2.61)	40 5/8" (1032)	43 7/8" (1114)	92 1/8" (2340)	14.20 (1.32)	28.05 (2.61)	31.34 (2.91)
FWOD4080	1	13.18 (1.22)	19" (483)	20 5/8" (524)	92 1/8" (2340)	14.20 (1.32)	13.18 (1.22)	31.34 (2.91)
FWOD5080	2	35.72 (3.32)	52 5/8" (1337)	55 7/8" (1419)	92 1/8" (2340)	20.82 (1.93)	35.72 (3.32)	39.29 (3.65)
FWOD5080	1	17.02 (1.58)	25" (635)	26 5/8" (676)	92 1/8" (2340)	20.82 (1.93)	17.02 (1.58)	39.29 (3.65)
FWOD5480	2	38.28 (3.56)	56 5/8" (1438)	59 7/8" (1521)	92 1/8" (2340)	23.03 (2.14)	38.28 (3.56)	41.95 (3.90)
FWOD5480	1	18.30 (1.70)	27" (686)	28 5/8" (727)	92 1/8" (2340)	23.03 (2.14)	18.30 (1.70)	41.95 (3.90)
FWOD6080	2	43.40 (4.03)	64 5/8" (1641)	67 7/8" (1724)	92 1/8" (2340)	27.44 (2.55)	43.40 (4.03)	47.25 (4.39)
FWOD6080	1	20.86 (1.94)	31" (787)	32 5/8" (829)	92 1/8" (2340)	27.44 (2.55)	20.86 (1.94)	47.25 (4.39)
FWOD6480	2	45.96 (4.27)	68 5/8" (1743)	71 7/8" (1826)	92 1/8" (2340)	29.65 (2.75)	45.96 (4.27)	49.91 (4.64)
FWOD6480	1	22.14 (2.06)	33" (838)	34 5/8" (879)	92 1/8" (2340)	29.65 (2.75)	22.14 (2.06)	49.91 (4.64)

• Dimensions in parentheses are in millimeters or square meters.  
\*For two-panel doors with only one panel open, clear opening is based on the active panel open and the passive panel closed.

continued on next page

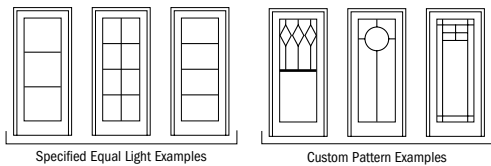
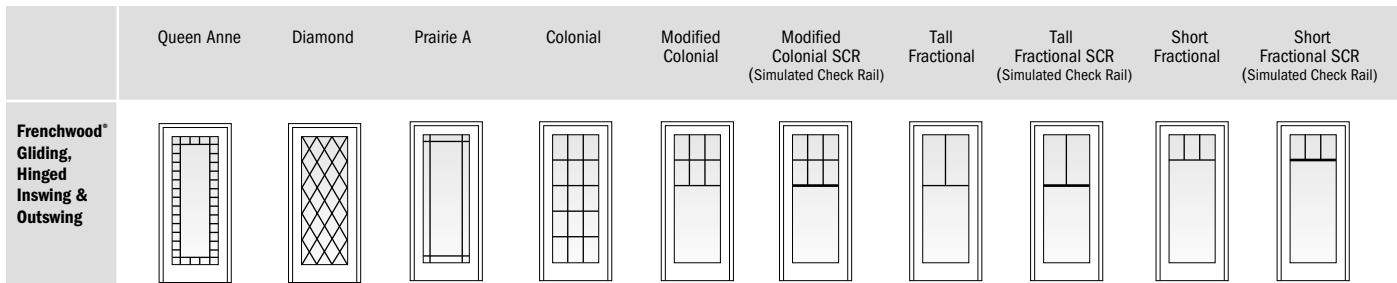
# FRENCHWOOD® HINGED OUTSWING PATIO DOORS

## Frenchwood® Hinged Outswing Patio Door Opening and Area Specifications *(continued)*

Door Number	Number of Panels in Open Position*	Clear Opening Maximums						Glass Area		Vent		Overall Door Area	
		Clear Opening Sq. Ft./ (m <sup>2</sup> )		90° Width Inches/(mm)		Full Width Inches/(mm)		Height Inches/(mm)		Sq. Ft./ (m <sup>2</sup> )		Sq. Ft./ (m <sup>2</sup> )	
FWOD21100	1	16.73 (1.55)	19 1/16" (484)	20 3/4" (527)	116 1/8" (2950)	8.77 (0.81)	16.73 (1.55)	19.99 (1.86)					
FWOD27100	1	21.57 (2.00)	25 1/16" (637)	26 3/4" (679)	116 1/8" (2950)	13.08 (1.21)	21.57 (2.00)	24.97 (2.32)					
FWOD29100	1	23.18 (2.15)	27 1/16" (687)	28 3/4" (730)	116 1/8" (2950)	14.51 (1.35)	23.18 (2.15)	26.63 (2.47)					
FWOD31100	1	26.41 (2.45)	31 1/16" (789)	32 3/4" (832)	116 1/8" (2950)	17.38 (1.61)	26.41 (2.45)	29.95 (2.78)					
FWOD33100	1	28.02 (2.60)	33 1/16" (840)	34 3/4" (883)	116 1/8" (2950)	18.82 (1.75)	28.02 (2.60)	31.61 (2.94)					
FWOD40100	2	35.38 (3.29)	40 5/8" (1032)	43 7/8" (1114)	116 1/8" (2950)	17.54 (1.63)	35.38 (3.29)	39.21 (3.64)					
FWOD40100	1	16.63 (1.55)	19" (483)	20 5/8" (524)	116 1/8" (2950)	17.54 (1.63)	16.63 (1.55)	39.21 (3.64)					
FWOD50100	2	45.06 (4.19)	52 5/8" (1337)	55 7/8" (1419)	116 1/8" (2950)	26.16 (2.43)	45.06 (4.19)	49.17 (4.57)					
FWOD50100	1	21.47 (1.99)	25" (635)	26 5/8" (676)	116 1/8" (2950)	26.16 (2.43)	21.47 (1.99)	49.17 (4.57)					
FWOD54100	2	48.28 (4.49)	56 5/8" (1438)	59 7/8" (1521)	116 1/8" (2950)	29.03 (2.70)	48.28 (4.49)	52.49 (4.88)					
FWOD54100	1	23.08 (2.14)	27" (686)	28 5/8" (727)	116 1/8" (2950)	29.03 (2.70)	23.08 (2.14)	52.49 (4.88)					
FWOD60100	2	54.74 (5.09)	64 5/8" (1641)	67 7/8" (1724)	116 1/8" (2950)	34.77 (3.23)	54.74 (5.09)	59.13 (5.49)					
FWOD60100	1	26.31 (2.45)	31" (787)	32 5/8" (829)	116 1/8" (2950)	34.77 (3.23)	26.31 (2.45)	59.13 (5.49)					
FWOD64100	2	57.96 (5.39)	68 5/8" (1743)	71 7/8" (1826)	116 1/8" (2950)	37.64 (3.50)	57.96 (5.39)	62.45 (5.80)					
FWOD64100	1	27.92 (2.59)	33" (838)	34 5/8" (879)	116 1/8" (2950)	37.64 (3.50)	27.92 (2.59)	62.45 (5.80)					

- Dimensions in parentheses are in millimeters or square meters.
- \*For two-panel doors with only one panel open, clear opening is based on the active panel open and the passive panel closed.

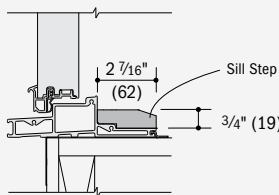
## Grille Patterns



**Number of lights and overall pattern varies with door size. Patterns shown may not be available for all sizes.** Specified equal light and custom patterns are also available. For more information on divided light, see pages 12-13 or visit [andersenwindows.com/grilles](http://andersenwindows.com/grilles).

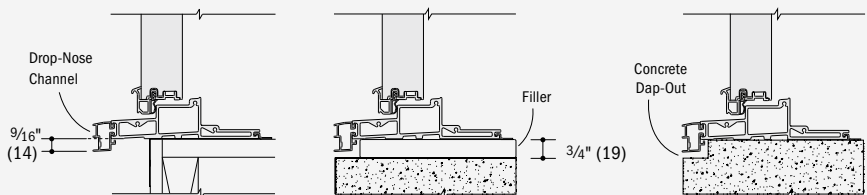
## Sill Step

Optional sill step is available in oak or maple.



## Drop-Nose Channel

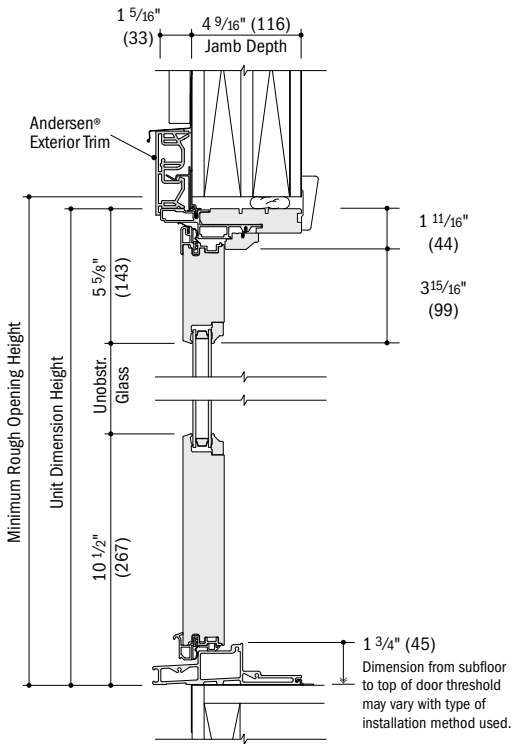
Optional drop-nose channel is available when higher product performance is required. Wood and concrete installations shown.



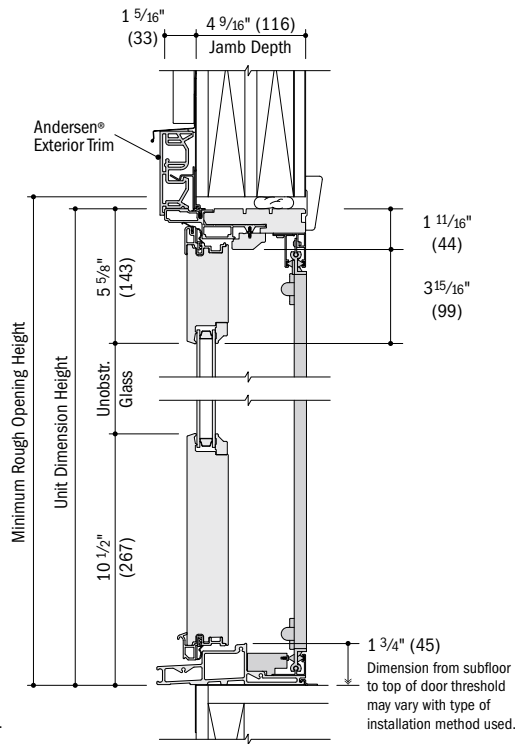
- Dimensions in parentheses are in millimeters.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at [andersenwindows.com](http://andersenwindows.com).

**Frenchwood® Hinged Outswing Patio Door Details**

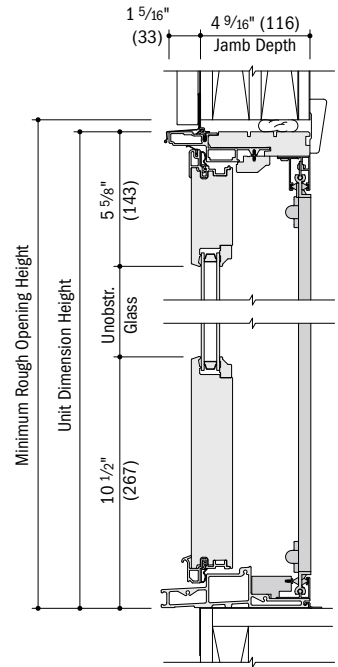
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



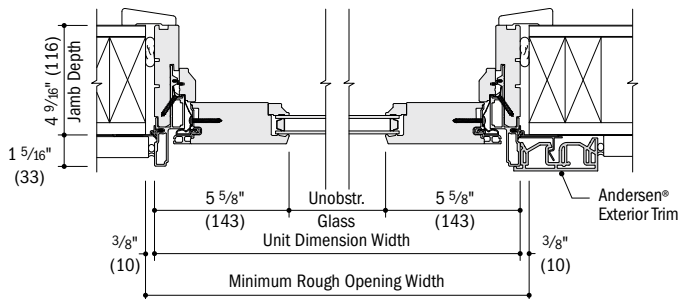
**Vertical Section – Stationary**



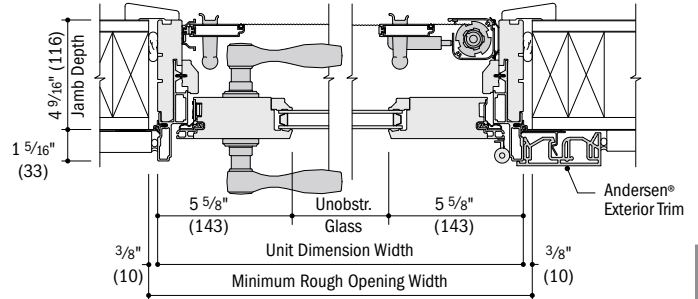
**Vertical Section – Active**  
Retractable Insect Screen



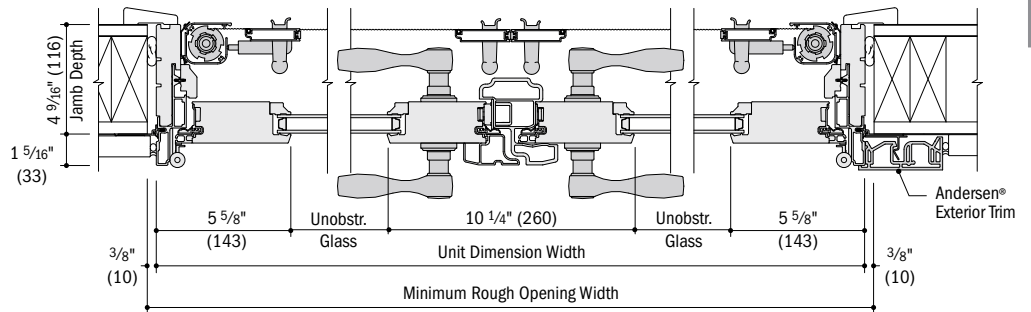
**Vertical Section – Active**  
Retractable Insect Screen



**Horizontal Section – Stationary (S)**



**Horizontal Section – Active (AR/AL)**  
Retractable Insect Screen



**Horizontal Section – Two-Panel Active (APLR/PALR)**  
Retractable Insect Screen

See pages 156-159 for horizontal and vertical joining details.

- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

# FRENCHWOOD® PATIO DOOR SIDELIGHTS & TRANSOMS

**Table of Frenchwood® Patio Door Sidelight Transoms, Transoms & Venting Transom Window Sizes**

Notes on page 150 also apply to this page.

Scale 1/8" (3) = 1'-0" (305) – 1:96

Transom/Sidelight Dimension	1'-2 1/4" (362)	1'-6 1/4" (464)	2'-0 1/8" (612)	2'-6 1/8" (765)	2'-8 1/8" (816)	3'-0 1/8" (918)	3'-2 1/8" (968)	3'-11 1/4" (1200)	4'-11 1/4" (1505)	5'-3 1/4" (1607)
<b>Minimum Rough Opening</b>	1'-3" (381)	1'-7" (483)	2'-1" (635)	2'-7" (787)	2'-9" (838)	3'-1" (940)	3'-3" (991)	4'-0" (1219)	5'-0" (1524)	5'-4" (1626)

Unobstructed Glass (single sash only)

11 1/4" (286)

11 1/4" (286)

1'-3 1/4" (387)

1'-3 1/4" (387)

1'-3 1/4" (387)

1'-3 1/4" (387)

1'-7 1/4" (489)

1'-7 1/4" (489)

1'-7 1/4" (489)

1'-11 1/4" (591)

1'-11 1/4" (591)

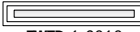
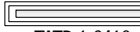

















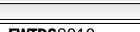

CUSTOM SIZES AVAILABLE – Varies based on transom style.



























**CUSTOM SIZES AVAILABLE** – Varies based on transom style.



























Transom/Sidelight Dimension	6 3/8" (163)	10 3/8" (264)	12 7/8" (327)	18 7/8" (479)	20 7/8" (530)	24 7/8" (632)	26 7/8" (683)	36" (915)	48" (1220)	52" (1322)
11 1/4" (286)	FWSLTD-1-1310	FWSLTD-1-1710	FWTD-1-2110	FWTD-1-2710	FWTD-1-2910	FWTD-1-3110	FWTD-1-3310	FWTD-1-4010	FWTD-1-5010	FWTD-1-5410
11 1/4" (286)								FWTD-2-4010	FWTD-2-5010	FWTD-2-5410
11 1/4" (286)	FWSTDS1310	FWSTDS1710	FWTDS2110	FWTDS2710	FWTDS2910	FWTDS3110	FWTDS3310	FWTDS4010	FWTDS5010	FWTDS5410
1'-3 1/4" (387)	FWSLTD-1-1314	FWSLTD-1-1714	FWTD-1-2114	FWTD-1-2714	FWTD-1-2914	FWTD-1-3114	FWTD-1-3314	FWTD-1-4014	FWTD-1-5014	FWTD-1-5414
1'-3 1/4" (387)								FWTD-2-4014	FWTD-2-5014	FWTD-2-5414
1'-3 1/4" (387)			ATV2114	ATV2714	ATV2914	ATV3114	ATV3314	ATV4014	ATV5014	ATV5414
1'-3 1/4" (387)	FWSTDS1314	FWSTDS1714	FWTDS2114	FWTDS2714	FWTDS2914	FWTDS3114	FWTDS3314	FWTDS4014	FWTDS5014	FWTDS5414
1'-7 1/4" (489)	FWSLTD-1-1318	FWSLTD-1-1718	FWTD-1-2118	FWTD-1-2718	FWTD-1-2918	FWTD-1-3118	FWTD-1-3318	FWTD-1-4018	FWTD-1-5018	FWTD-1-5418
1'-7 1/4" (489)								FWTD-2-4018	FWTD-2-5018	FWTD-2-5418
1'-7 1/4" (489)			ATV2118	ATV2718	ATV2918	ATV3118	ATV3318	ATV4018	ATV5018	ATV5418
1'-7 1/4" (489)	FWSTDS1318	FWSTDS1718	FWTDS2118	FWTDS2718	FWTDS2918	FWTDS3118	FWTDS3318	FWTDS4018	FWTDS5018	FWTDS5418
1'-11 1/4" (591)	FWSLTD-1-1320	FWSLTD-1-1720	FWTD-1-2120	FWTD-1-2720	FWTD-1-2920	FWTD-1-3120	FWTD-1-3320	FWTD-1-4020	FWTD-1-5020	FWTD-1-5420
1'-11 1/4" (591)								FWTD-2-4020	FWTD-2-5020	FWTD-2-5420

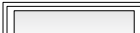
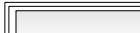
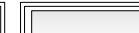









Notes on page 150 also apply to this page. Patio door sidelight and transom sizes on pages 148-152.

5'-11 <sup>1</sup> / <sub>4</sub> " (1810)	6'-3 <sup>1</sup> / <sub>4</sub> " (1911)	6'-11 <sup>1</sup> / <sub>4</sub> " (2114)	7'-10 <sup>7</sup> / <sub>16</sub> " (2398)	7'-11 <sup>1</sup> / <sub>4</sub> " (2419)	8'-10 <sup>7</sup> / <sub>16</sub> " (2703)	9'-4 <sup>7</sup> / <sub>16</sub> " (2856)
6'-0" (1829)	6'-4" (1930)	7'-0" (2133)	7'-11" (2413)	8'-0" (2438)	8'-11" (2717)	9'-6" (2896)

60" (1525)	64" (1626)	72" (1830)	83 <sup>3</sup> / <sub>16</sub> " (2113)	84" (2134)	95 <sup>3</sup> / <sub>16</sub> " (2418)	101 <sup>3</sup> / <sub>16</sub> " (2570)
 <b>FWTD-1-6010</b> 24 <sup>7</sup> / <sub>8</sub> " (632)	 <b>FWTD-1-6410</b> 26 <sup>7</sup> / <sub>8</sub> " (683)	 <b>FWTD-1-7010</b>	 <b>FWTD-1-71110</b> 20 <sup>7</sup> / <sub>8</sub> " (530)	 <b>FWTD-1-8010</b>	 <b>FWTD-1-81110</b> 24 <sup>7</sup> / <sub>8</sub> " (632)	 <b>FWTD-1-9610</b> 26 <sup>7</sup> / <sub>8</sub> " (683)
 <b>FWTD-2-6010</b> 67 <sup>5</sup> / <sub>8</sub> " (1717)	 <b>FWTD-2-6410</b> 71 <sup>5</sup> / <sub>8</sub> " (1818)	 <b>FWTD-2-7010</b> 79 <sup>5</sup> / <sub>8</sub> " (2022)	 <b>FWTD-3-71110</b> 90 <sup>3</sup> / <sub>4</sub> " (2305)	 <b>FWTD-3-8010</b> 91 <sup>5</sup> / <sub>8</sub> " (2326)	 <b>FWTD-3-81110</b> 102 <sup>3</sup> / <sub>4</sub> " (2610)	 <b>FWTD-3-9610</b> 108 <sup>3</sup> / <sub>4</sub> " (2762)
 <b>FWTDS6010</b>	 <b>FWTDS6410</b>	 <b>FWTDS7010</b>	 <b>FWTDS71110</b>	 <b>FWTDS8010</b>	 <b>FWTDS81110</b>	 <b>FWTDS9610</b>

60" (1525)	64" (1626)	72" (1830)	83 <sup>3</sup> / <sub>16</sub> " (2113)	84" (2134)	95 <sup>3</sup> / <sub>16</sub> " (2418)	101 <sup>3</sup> / <sub>16</sub> " (2570)
 <b>FWTD-1-6014</b> 24 <sup>7</sup> / <sub>8</sub> " (632)	 <b>FWTD-1-6414</b> 26 <sup>7</sup> / <sub>8</sub> " (683)	 <b>FWTD-1-7014</b>	 <b>FWTD-1-71114</b> 20 <sup>7</sup> / <sub>8</sub> " (530)	 <b>FWTD-1-8014</b>	 <b>FWTD-1-81114</b> 24 <sup>7</sup> / <sub>8</sub> " (632)	 <b>FWTD-1-9614</b> 26 <sup>7</sup> / <sub>8</sub> " (683)
 <b>FWTD-2-6014</b> 64 <sup>5</sup> / <sub>8</sub> " (1641)	 <b>FWTD-2-6414</b>		 <b>FWTD-3-71114</b>		 <b>FWTD-3-81114</b>	 <b>FWTD-3-9614</b>
 <b>ATV6014</b> 67 <sup>5</sup> / <sub>8</sub> " (1717)	 <b>ATV6414</b> 71 <sup>5</sup> / <sub>8</sub> " (1818)	 <b>ATV7014</b> 79 <sup>5</sup> / <sub>8</sub> " (2022)	 <b>ATV71114</b> 90 <sup>3</sup> / <sub>4</sub> " (2305)	 <b>ATV8014</b> 91 <sup>5</sup> / <sub>8</sub> " (2326)	 <b>ATV81114</b> 102 <sup>3</sup> / <sub>4</sub> " (2610)	 <b>ATV9614</b> 108 <sup>3</sup> / <sub>4</sub> " (2762)
 <b>FWTDS6014</b>	 <b>FWTDS6414</b>	 <b>FWTDS7014</b>	 <b>FWTDS71114</b>	 <b>FWTDS8014</b>	 <b>FWTDS81114</b>	 <b>FWTDS9614</b>

60" (1525)	64" (1626)	72" (1830)	83 <sup>3</sup> / <sub>16</sub> " (2113)	84" (2134)	95 <sup>3</sup> / <sub>16</sub> " (2418)	101 <sup>3</sup> / <sub>16</sub> " (2570)
 <b>FWTD-1-6018</b> 24 <sup>7</sup> / <sub>8</sub> " (632)	 <b>FWTD-1-6418</b> 26 <sup>7</sup> / <sub>8</sub> " (683)	 <b>FWTD-1-7018</b>	 <b>FWTD-1-71118</b> 20 <sup>7</sup> / <sub>8</sub> " (530)	 <b>FWTD-1-8018</b>	 <b>FWTD-1-81118</b> 24 <sup>7</sup> / <sub>8</sub> " (632)	 <b>FWTD-1-9618</b> 26 <sup>7</sup> / <sub>8</sub> " (683)
 <b>FWTD-2-6018</b> 64 <sup>5</sup> / <sub>8</sub> " (1641)	 <b>FWTD-2-6418</b>		 <b>FWTD-3-71118</b>		 <b>FWTD-3-81118</b>	 <b>FWTD-3-9618</b>
 <b>ATV6018</b> 67 <sup>5</sup> / <sub>8</sub> " (1717)	 <b>ATV6418</b> 71 <sup>5</sup> / <sub>8</sub> " (1818)	 <b>ATV7018</b> 79 <sup>5</sup> / <sub>8</sub> " (2022)	 <b>ATV71118</b> 90 <sup>3</sup> / <sub>4</sub> " (2305)	 <b>ATV8018</b> 91 <sup>5</sup> / <sub>8</sub> " (2326)	 <b>ATV81118</b> 102 <sup>3</sup> / <sub>4</sub> " (2610)	 <b>ATV9618</b> 108 <sup>3</sup> / <sub>4</sub> " (2762)
 <b>FWTDS6018</b>	 <b>FWTDS6418</b>	 <b>FWTDS7018</b>	 <b>FWTDS71118</b>	 <b>FWTDS8018</b>	 <b>FWTDS81118</b>	 <b>FWTDS9618</b>

60" (1525)	64" (1626)	72" (1830)	83 <sup>3</sup> / <sub>16</sub> " (2113)	84" (2134)	95 <sup>3</sup> / <sub>16</sub> " (2418)	101 <sup>3</sup> / <sub>16</sub> " (2570)
 <b>FWTD-1-6020</b> 24 <sup>7</sup> / <sub>8</sub> " (632)	 <b>FWTD-1-6420</b> 26 <sup>7</sup> / <sub>8</sub> " (683)	 <b>FWTD-1-7020</b>	 <b>FWTD-1-71120</b> 20 <sup>7</sup> / <sub>8</sub> " (530)	 <b>FWTD-1-8020</b>	 <b>FWTD-1-81120</b> 24 <sup>7</sup> / <sub>8</sub> " (632)	 <b>FWTD-1-9620</b> 26 <sup>7</sup> / <sub>8</sub> " (683)
 <b>FWTD-2-6020</b>	 <b>FWTD-2-6420</b>		 <b>FWTD-3-71120</b>		 <b>FWTD-3-81120</b>	 <b>FWTD-3-9620</b>

continued on next page

# FRENCHWOOD® PATIO DOOR SIDELIGHTS & TRANSOMS

**Table of Frenchwood® Patio Door Sidelight Transoms, Transoms & Venting Transom Window Sizes** (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

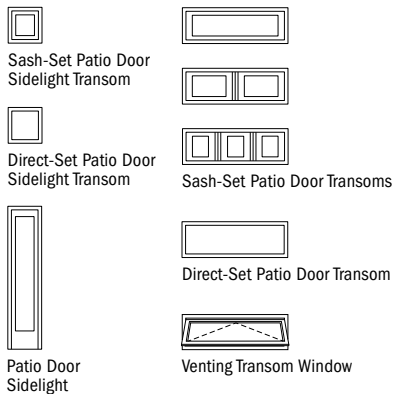
Transom/Sidelight Dimension	1'-2 1/4" (362)	1'-6 1/4" (464)	2'-0 1/8" (612)	2'-6 1/8" (765)	2'-8 1/8" (816)	3'-0 1/8" (918)	3'-2 1/8" (968)	3'-11 1/4" (1200)	4'-11 1/4" (1505)	5'-3 1/4" (1607)
<b>Minimum Rough Opening</b>	1'-3" (381)	1'-7" (483)	2'-1" (635)	2'-7" (787)	2'-9" (838)	3'-1" (940)	3'-3" (991)	4'-0" (1219)	5'-0" (1524)	5'-4" (1626)

Unobstructed Glass (single sash only)	CUSTOM SIZES AVAILABLE – Varies based on transom style.									
	1'-11 1/4" (591)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-3 1/4" (692)	2'-3 1/4" (692)	2'-3 1/4" (692)	2'-3 1/4" (692)	2'-3 1/4" (692)	2'-3 1/4" (692)	2'-3 1/4" (692)
1'-11 1/4" (591)	10 5/8" (269)	14 5/8" (371)	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)
1'-11 1/4" (591)	FWSTDS1320	FWSTDS1720	FWTDS2120	FWTDS2720	FWTDS2920	FWTDS3120	FWTDS3320	FWTDS4020	FWTDS5020	FWTDS5420
2'-3 1/4" (692)	6 3/8" (163)	10 3/8" (264)	12 7/8" (327)	18 7/8" (479)	20 7/8" (530)	24 7/8" (632)	26 7/8" (683)	36" (915)	48" (1220)	52" (1322)
2'-3 1/4" (692)	FWSLTD-1-1324	FWSLTD-1-1724	FWTD-1-2124	FWTD-1-2724	FWTD-1-2924	FWTD-1-3124	FWTD-1-3324	FWTD-1-4024	FWTD-1-5024	FWTD-1-5424
2'-3 1/4" (692)			12 7/8" (327)	18 7/8" (479)	20 7/8" (530)	24 7/8" (632)	26 7/8" (683)	36" (915)	48" (1220)	52" (1322)
2'-3 1/4" (692)			FWTD-2-4024	FWTD-2-5024	FWTD-2-5424					
2'-3 1/4" (692)	10 5/8" (269)	14 5/8" (371)	17 5/8" (448)	23 5/8" (600)	25 5/8" (651)	29 5/8" (752)	31 5/8" (803)	40 5/8" (1032)	52 5/8" (1337)	56 5/8" (1438)
2'-3 1/4" (692)	FWSTDS1324	FWSTDS1724	FWTDS2124	FWTDS2724	FWTDS2924	FWTDS3124	FWTDS3324	FWTDS4024	FWTDS5024	FWTDS5424
2'-3 1/4" (692)			20 7/16" (519)	26 7/16" (672)	28 7/16" (722)	32 7/16" (824)	34 7/16" (875)	43 5/8" (1107)	55 5/8" (1412)	59 5/8" (1514)
2'-3 1/4" (692)			ATV2124	ATV2724	ATV2924	ATV3124	ATV3324	ATV4024	ATV5024	ATV5424



Custom-size patio door sidelight transoms and transom windows are available in 1/8" (3) increments. See pages 160-162 for custom sizes and specifications.



Choose patio door sash-set sidelight transom (FWSLTD), direct-set sidelight transom (FWSTDS), sash-set transom (FWTD-1, FWTD-2, FWTD-3), direct-set transom (FWTDS), venting transom window (ATV) or patio door sidelights (shown on page 152).

Direct-set transom (FWTDS) provides maximum unobstructed glass. **Venting transom window must be installed to vent as shown and should not be rotated and used as a hopper.**

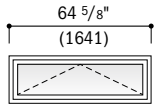
Details shown on pages 154-155. Grille patterns shown on page 154.

• "Window Dimension" always refers to outside frame to frame dimension.  
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.  
 • Dimensions in parentheses are in millimeters.



Notes on the previous page also apply to this page. Patio door sidelight and transom sizes on pages 148-152.

5'-11 <sup>1</sup> / <sub>4</sub> " (1810)	6'-3 <sup>1</sup> / <sub>4</sub> " (1911)	6'-11 <sup>1</sup> / <sub>4</sub> " (2114)	7'-10 <sup>7</sup> / <sub>16</sub> " (2398)	7'-11 <sup>1</sup> / <sub>4</sub> " (2419)	8'-10 <sup>7</sup> / <sub>16</sub> " (2703)	9'-4 <sup>7</sup> / <sub>16</sub> " (2856)
6'-0" (1829)	6'-4" (1930)	7'-0" (2133)	7'-11" (2413)	8'-0" (2438)	8'-11" (2717)	9'-6" (2896)

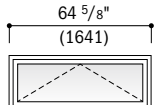


ATV6020

67 <sup>5</sup> / <sub>8</sub> " (1717)	71 <sup>5</sup> / <sub>8</sub> " (1818)	79 <sup>5</sup> / <sub>8</sub> " (2022)	90 <sup>3</sup> / <sub>4</sub> " (2305)	91 <sup>5</sup> / <sub>8</sub> " (2326)	102 <sup>3</sup> / <sub>4</sub> " (2610)	108 <sup>3</sup> / <sub>4</sub> " (2762)
FWTDS6020	FWTDS6420	FWTDS7020	FWTDS71120	FWTDS8020	FWTDS81120	FWTDS9620

60" (1525)	64" (1626)	72" (1830)	83 <sup>3</sup> / <sub>16</sub> " (2113)	84" (2134)	95 <sup>3</sup> / <sub>16</sub> " (2418)	101 <sup>3</sup> / <sub>16</sub> " (2570)
FWTD-1-6024	FWTD-1-6424	FWTD-1-7024	FWTD-1-71124	FWTD-1-8024	FWTD-1-81124	FWTD-1-9624

24 <sup>7</sup> / <sub>8</sub> " (632)	26 <sup>7</sup> / <sub>8</sub> " (683)	20 <sup>7</sup> / <sub>8</sub> " (530)	24 <sup>7</sup> / <sub>8</sub> " (632)	26 <sup>7</sup> / <sub>8</sub> " (683)
FWTD-2-6024	FWTD-2-6424	FWTD-3-71124	FWTD-3-81124	FWTD-3-9624



ATV6024

67 <sup>5</sup> / <sub>8</sub> " (1717)	71 <sup>5</sup> / <sub>8</sub> " (1818)	79 <sup>5</sup> / <sub>8</sub> " (2022)	90 <sup>3</sup> / <sub>4</sub> " (2305)	91 <sup>5</sup> / <sub>8</sub> " (2326)	102 <sup>3</sup> / <sub>4</sub> " (2610)	108 <sup>3</sup> / <sub>4</sub> " (2762)
FWTDS6024	FWTDS6424	FWTDS7024	FWTDS71124	FWTDS8024	FWTDS81124	FWTDS9624

**Direct-Set Frenchwood® Patio Door Sidelight Transom & Transom Area Specifications**

Transom Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Transom Area Sq. Ft./ (m <sup>2</sup> )
FWTDS1310	0.56 (0.05)	1.11 (0.10)
FWTDS1314	0.85 (0.08)	1.51 (0.14)
FWTDS1318	1.15 (0.11)	1.90 (0.18)
FWTDS1320	1.44 (0.13)	2.30 (0.21)
FWTDS1324	1.74 (0.16)	2.70 (0.25)
FWTDS1710	0.77 (0.07)	1.43 (0.13)
FWTDS1714	1.18 (0.11)	1.93 (0.18)
FWTDS1718	1.58 (0.15)	2.44 (0.23)
FWTDS1720	1.99 (0.18)	2.95 (0.27)
FWTDS1724	2.39 (0.22)	3.45 (0.32)
FWTDS2110	1.08 (0.10)	1.88 (0.17)
FWTDS2114	1.65 (0.15)	2.55 (0.24)
FWTDS2118	2.21 (0.21)	3.22 (0.30)
FWTDS2120	2.78 (0.26)	3.89 (0.36)
FWTDS2124	3.35 (0.31)	4.56 (0.42)
FWTDS2710	1.39 (0.13)	2.35 (0.22)
FWTDS2714	2.13 (0.20)	3.19 (0.30)
FWTDS2718	2.86 (0.27)	4.02 (0.37)
FWTDS2720	3.60 (0.33)	4.86 (0.45)
FWTDS2724	4.33 (0.40)	5.69 (0.53)

Transom Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Transom Area Sq. Ft./ (m <sup>2</sup> )
FWTDS2910	1.50 (0.14)	2.51 (0.23)
FWTDS2914	2.29 (0.21)	3.40 (0.32)
FWTDS2918	3.08 (0.29)	4.29 (0.40)
FWTDS2920	3.87 (0.36)	5.18 (0.48)
FWTDS2924	4.66 (0.43)	6.07 (0.56)
FWTDS3110	1.71 (0.16)	2.82 (0.26)
FWTDS3114	2.61 (0.24)	3.82 (0.36)
FWTDS3118	3.51 (0.33)	4.83 (0.45)
FWTDS3120	4.41 (0.41)	5.83 (0.54)
FWTDS3124	5.31 (0.49)	6.83 (0.63)
FWTDS3310	1.82 (0.17)	2.98 (0.28)
FWTDS3314	2.77 (0.26)	4.03 (0.37)
FWTDS3318	3.73 (0.35)	5.09 (0.47)
FWTDS3320	4.69 (0.44)	6.15 (0.57)
FWTDS3324	5.64 (0.52)	7.21 (0.67)
FWTDS4010	2.30 (0.21)	3.69 (0.34)
FWTDS4014	3.51 (0.33)	5.00 (0.46)
FWTDS4018	4.72 (0.44)	6.32 (0.59)
FWTDS4020	5.93 (0.55)	7.63 (0.71)
FWTDS4024	7.14 (0.66)	8.94 (0.83)

Transom Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Transom Area Sq. Ft./ (m <sup>2</sup> )
FWTDS5010	2.93 (0.27)	4.63 (0.43)
FWTDS5014	4.48 (0.42)	6.27 (0.58)
FWTDS5018	6.02 (0.56)	7.92 (0.74)
FWTDS5020	7.56 (0.70)	9.57 (0.89)
FWTDS5024	9.11 (0.85)	11.21 (1.04)
FWTDS5410	3.14 (0.29)	4.94 (0.46)
FWTDS5414	4.80 (0.45)	6.70 (0.62)
FWTDS5418	6.45 (0.60)	8.46 (0.79)
FWTDS5420	8.11 (0.75)	10.21 (0.95)
FWTDS5424	9.76 (0.91)	11.97 (1.11)
FWTDS6010	3.56 (0.33)	5.57 (0.52)
FWTDS6014	5.44 (0.51)	7.55 (0.70)
FWTDS6018	7.32 (0.68)	9.52 (0.88)
FWTDS6020	9.20 (0.85)	11.50 (1.07)
FWTDS6024	11.08 (1.03)	13.48 (1.25)
FWTDS6410	3.78 (0.35)	5.88 (0.55)
FWTDS6414	5.76 (0.54)	7.97 (0.74)
FWTDS6418	7.75 (0.72)	10.06 (0.93)
FWTDS6420	9.74 (0.90)	12.15 (1.13)

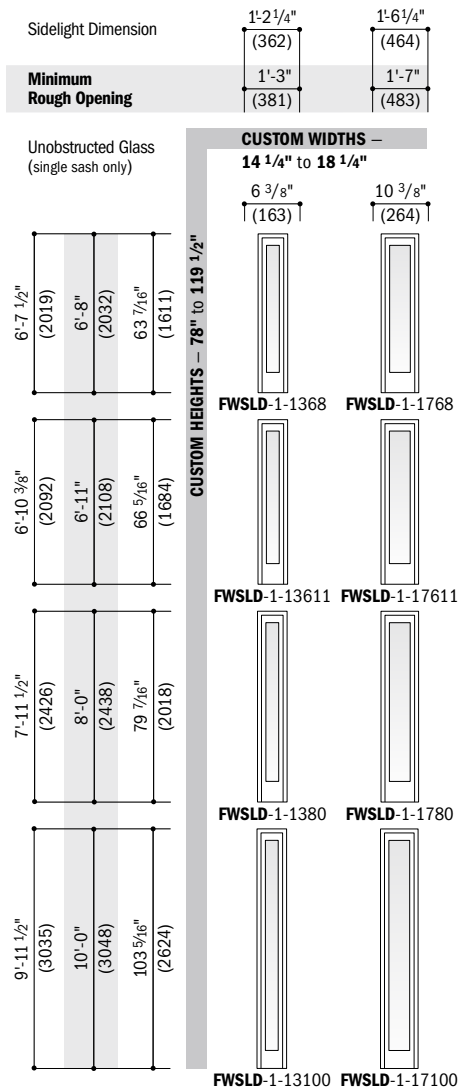
• Dimensions in parentheses are in square meters.

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# FRENCHWOOD® PATIO DOOR SIDELIGHTS & TRANSOMS

## Table of Frenchwood® Patio Door Sidelight Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96



- "Window Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters.



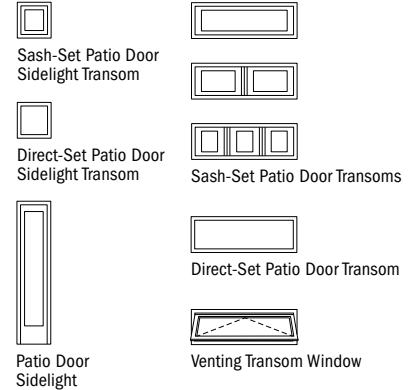
Custom-size patio door sidelights, are available in 1/8" (3) increments. See pages 160-162 for custom sizes and specifications.

Choose patio door sidelights (FWSLD), patio door transoms or venting transom windows (transoms shown on pages 148-151).

Details shown on pages 154-155.

Grille patterns shown on page 154.

Patio door sidelight and transom sizes on pages 148-152.



## Sash-Set Frenchwood® Patio Door Sidelight Transom & Transom Area Specifications

Transom Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Transom Area Sq. Ft./ (m <sup>2</sup> )
FWSLTD1310	0.15 (0.01)	1.11 (0.10)
FWSLTD1314	0.33 (0.03)	1.51 (0.14)
FWSLTD1318	0.51 (0.05)	1.90 (0.18)
FWSLTD1320	0.69 (0.06)	2.30 (0.21)
FWSLTD1324	0.86 (0.08)	2.70 (0.25)
FWSLTD1710	0.25 (0.02)	1.43 (0.13)
FWSLTD1714	0.54 (0.05)	1.93 (0.18)
FWSLTD1718	0.82 (0.08)	2.44 (0.23)
FWSLTD1720	1.11 (0.10)	2.95 (0.27)
FWSLTD1724	1.40 (0.13)	3.45 (0.32)
FWTD-1-2110	0.30 (0.03)	1.88 (0.17)
FWTD-1-2114	0.66 (0.06)	2.55 (0.24)
FWTD-1-2118	1.02 (0.09)	3.22 (0.30)
FWTD-1-2120	1.38 (0.13)	3.89 (0.36)
FWTD-1-2124	1.73 (0.16)	4.56 (0.42)
FWTD-1-2710	0.45 (0.04)	2.35 (0.22)
FWTD-1-2714	0.97 (0.09)	3.19 (0.30)
FWTD-1-2718	1.49 (0.14)	4.02 (0.37)
FWTD-1-2720	2.02 (0.19)	4.86 (0.45)
FWTD-1-2724	2.54 (0.24)	5.69 (0.53)
FWTD-1-2910	0.49 (0.05)	2.51 (0.23)
FWTD-1-2914	1.07 (0.10)	3.40 (0.32)
FWTD-1-2918	1.65 (0.15)	4.29 (0.40)
FWTD-1-2920	2.23 (0.21)	5.18 (0.48)
FWTD-1-2924	2.81 (0.26)	6.07 (0.56)
FWTD-1-3110	0.59 (0.05)	2.82 (0.26)
FWTD-1-3114	1.28 (0.12)	3.82 (0.35)
FWTD-1-3118	1.97 (0.18)	4.83 (0.45)
FWTD-1-3120	2.66 (0.25)	5.83 (0.54)
FWTD-1-3124	3.35 (0.31)	6.83 (0.63)
FWTD-1-3310	0.64 (0.06)	2.98 (0.28)
FWTD-1-3314	1.38 (0.13)	4.03 (0.37)

## Direct-Set Frenchwood® Patio Door Sidelight Transom & Transom Area Specifications (continued)

Transom Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Transom Area Sq. Ft./ (m <sup>2</sup> )
FWTDS6424	11.73 (1.09)	14.24 (1.32)
FWTDS7010	4.20 (0.39)	6.50 (0.60)
FWTDS7014	6.41 (0.60)	8.82 (0.82)
FWTDS7018	8.62 (0.80)	11.13 (1.03)
FWTDS7020	10.83 (1.01)	13.44 (1.25)
FWTDS7024	13.04 (1.21)	15.75 (1.46)
FWTDS71110	4.79 (0.44)	7.38 (0.69)
FWTDS71114	7.31 (0.68)	10.00 (0.93)
FWTDS71118	9.83 (0.91)	12.62 (1.17)
FWTDS71120	12.35 (1.15)	15.24 (1.42)

## Frenchwood® Patio Door Sidelight Area Specifications

Transom/Sidelight Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Sidelight Area Sq. Ft./ (m <sup>2</sup> )
FWSLD1368	2.82 (0.26)	7.87 (0.73)
FWSLD13611	2.95 (0.27)	8.15 (0.76)
FWSLD1380	3.53 (0.33)	9.45 (0.88)
FWSLD13100	4.60 (0.43)	11.83 (1.10)
FWSLD1768	4.58 (0.43)	10.08 (0.94)
FWSLD17611	4.79 (0.44)	10.44 (0.97)
FWSLD1780	5.74 (0.53)	12.10 (1.12)
FWSLD17100	7.47 (0.69)	15.14 (1.41)

- Dimensions in parentheses are in square meters.

continued on next page

**Sash-Set Frenchwood® Patio Door Sidelight  
Transom & Transom Area Specifications** *(continued)*

Transom Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Transom Area Sq. Ft./ (m <sup>2</sup> )
FWTD-1-3318	2.13 (0.20)	5.09 (0.47)
FWTD-1-3320	2.88 (0.27)	6.15 (0.57)
FWTD-1-3324	3.62 (0.34)	7.21 (0.67)
FWTD-1-4010	0.85 (0.08)	3.69 (0.34)
FWTD-2-4010	0.61 (0.06)	3.69 (0.34)
FWTD-1-4014	1.85 (0.17)	5.00 (0.46)
FWTD-2-4014	1.32 (0.12)	5.00 (0.46)
FWTD-1-4018	2.85 (0.26)	6.32 (0.59)
FWTD-2-4018	2.04 (0.19)	6.32 (0.59)
FWTD-1-4020	3.85 (0.36)	7.63 (0.71)
FWTD-2-4020	2.75 (0.26)	7.63 (0.71)
FWTD-1-4024	4.86 (0.45)	8.94 (0.83)
FWTD-2-4024	3.47 (0.32)	8.94 (0.83)
FWTD-1-5010	1.14 (0.11)	4.63 (0.43)
FWTD-2-5010	0.89 (0.08)	4.63 (0.43)
FWTD-1-5014	2.47 (0.23)	6.27 (0.58)
FWTD-2-5014	1.94 (0.18)	6.27 (0.58)
FWTD-1-5018	3.80 (0.35)	7.92 (0.74)
FWTD-2-5018	2.99 (0.28)	7.92 (0.74)
FWTD-1-5020	5.14 (0.48)	9.57 (0.89)
FWTD-2-5020	4.04 (0.38)	9.57 (0.89)
FWTD-1-5024	6.47 (0.60)	11.21 (1.04)
FWTD-2-5024	5.09 (0.47)	11.21 (1.04)
FWTD-1-5410	1.23 (0.11)	4.94 (0.46)
FWTD-2-5410	0.99 (0.09)	4.94 (0.46)
FWTD-1-5414	2.68 (0.25)	6.70 (0.62)
FWTD-2-5414	2.15 (0.20)	6.70 (0.62)
FWTD-1-5418	4.12 (0.38)	8.46 (0.79)
FWTD-2-5418	3.31 (0.31)	8.46 (0.79)
FWTD-1-5420	5.57 (0.52)	10.21 (0.95)
FWTD-2-5420	4.47 (0.42)	10.21 (0.95)
FWTD-1-5424	7.01 (0.65)	11.97 (1.11)
FWTD-2-5424	5.63 (0.52)	11.97 (1.11)
FWTD-1-6010	1.42 (0.13)	5.57 (0.52)
FWTD-2-6010	1.18 (0.11)	5.57 (0.52)
FWTD-1-6014	3.09 (0.29)	7.55 (0.70)
FWTD-2-6014	2.56 (0.24)	7.55 (0.70)
FWTD-1-6018	4.75 (0.44)	9.52 (0.88)
FWTD-2-6018	3.94 (0.37)	9.52 (0.88)
FWTD-1-6020	6.42 (0.60)	11.50 (1.07)
FWTD-2-6020	5.32 (0.49)	11.50 (1.07)
FWTD-1-6024	8.09 (0.75)	13.48 (1.25)
FWTD-2-6024	6.70 (0.62)	13.48 (1.25)
FWTD-1-6410	1.51 (0.14)	5.88 (0.55)
FWTD-2-6410	1.27 (0.12)	5.88 (0.55)
FWTD-1-6414	3.29 (0.31)	7.97 (0.74)
FWTD-2-6414	2.76 (0.26)	7.97 (0.74)
FWTD-1-6418	5.07 (0.47)	10.06 (0.93)
FWTD-2-6418	4.26 (0.40)	10.06 (0.93)
FWTD-1-6420	6.85 (0.64)	12.15 (1.13)
FWTD-2-6420	5.75 (0.53)	12.15 (1.13)
FWTD-1-6424	8.63 (0.80)	14.24 (1.32)
FWTD-2-6424	7.24 (0.67)	14.24 (1.32)
FWTD-1-7010	1.70 (0.16)	6.50 (0.60)
FWTD-1-7014	3.70 (0.34)	8.82 (0.82)
FWTD-1-7018	5.71 (0.53)	11.13 (1.03)
FWTD-1-7020	7.71 (0.72)	13.44 (1.25)
FWTD-1-7024	9.71 (0.90)	15.75 (1.46)
FWTD-1-71110	1.97 (0.18)	7.38 (0.69)
FWTD-3-71110	1.48 (0.14)	7.38 (0.69)

Transom Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Transom Area Sq. Ft./ (m <sup>2</sup> )
FWTD-1-71114	4.28 (0.40)	10.00 (0.93)
FWTD-3-71114	3.22 (0.30)	10.00 (0.93)
FWTD-1-71118	6.59 (0.61)	12.62 (1.17)
FWTD-3-71118	4.95 (0.46)	12.62 (1.17)
FWTD-1-71120	8.90 (0.83)	15.24 (1.42)
FWTD-3-71120	6.69 (0.62)	15.24 (1.42)
FWTD-1-71124	11.21 (1.04)	17.87 (1.66)
FWTD-3-71124	8.43 (0.78)	17.87 (1.66)
FWTD-1-8010	1.99 (0.18)	7.44 (0.69)
FWTD-1-8014	4.32 (0.40)	10.09 (0.94)
FWTD-1-8018	6.66 (0.62)	12.73 (1.18)
FWTD-1-8020	8.99 (0.84)	15.38 (1.43)
FWTD-1-8024	11.32 (1.05)	18.02 (1.67)
FWTD-1-81110	2.25 (0.21)	8.31 (0.77)
FWTD-3-81110	1.76 (0.16)	8.31 (0.77)
FWTD-1-81114	4.90 (0.46)	11.27 (1.05)
FWTD-3-81114	3.83 (0.36)	11.27 (1.05)

Transom Number	Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Transom Area Sq. Ft./ (m <sup>2</sup> )
FWTD-1-81118	7.54 (0.70)	14.22 (1.32)
FWTD-3-81118	5.90 (0.55)	14.22 (1.32)
FWTD-1-81120	10.18 (0.95)	17.18 (1.60)
FWTD-3-81120	7.97 (0.74)	17.18 (1.60)
FWTD-1-81124	12.83 (1.19)	20.14 (1.87)
FWTD-3-81124	10.05 (0.93)	20.14 (1.87)
FWTD-1-9610	2.39 (0.22)	8.78 (0.82)
FWTD-3-9610	1.91 (0.18)	8.78 (0.82)
FWTD-1-9614	5.20 (0.48)	11.90 (1.11)
FWTD-3-9614	4.14 (0.38)	11.90 (1.11)
FWTD-1-9618	8.01 (0.74)	15.03 (1.40)
FWTD-3-9618	6.38 (0.59)	15.03 (1.40)
FWTD-1-9620	10.83 (1.01)	18.15 (1.69)
FWTD-3-9620	8.62 (0.80)	18.15 (1.69)
FWTD-1-9624	13.64 (1.27)	21.27 (1.98)
FWTD-3-9624	10.85 (1.01)	21.27 (1.98)

• Dimensions in parentheses are in square meters.

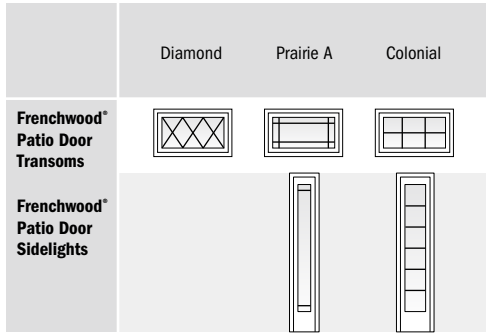
**Venting Transom Window Opening and Area Specifications**

Window Number	Clear Opening in Full Open Position			Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Sq. Ft./ (m <sup>2</sup> )	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m <sup>2</sup> )
	Clear Opening Sq. Ft./ (m <sup>2</sup> )	Width Inches/(mm)	Depth Inches/(mm)				
ATV2114	0.79 (0.07)	19 3/16" (487)	5 7/8" (149)	1.04 (0.10)	0.79 (0.07)	69 1/2" (1765)	2.56 (0.24)
ATV2714	1.03 (0.10)	25 3/16" (640)	5 7/8" (149)	1.40 (0.13)	1.03 (0.10)	69 1/2" (1765)	3.19 (0.30)
ATV2914	1.11 (0.10)	27 3/16" (691)	5 7/8" (149)	1.52 (0.14)	1.11 (0.10)	69 1/2" (1765)	3.40 (0.32)
ATV3114	1.28 (0.12)	31 3/16" (792)	5 7/8" (149)	1.76 (0.16)	1.28 (0.12)	69 1/2" (1765)	3.83 (0.36)
ATV3314	1.36 (0.13)	33 3/16" (843)	5 7/8" (149)	1.88 (0.17)	1.36 (0.13)	69 1/2" (1765)	4.04 (0.38)
ATV4014	1.73 (0.16)	42 5/16" (1075)	5 7/8" (149)	2.43 (0.23)	1.73 (0.16)	69 1/2" (1765)	5.00 (0.46)
ATV5014	2.22 (0.21)	54 5/16" (1380)	5 7/8" (149)	3.14 (0.29)	2.22 (0.21)	69 1/2" (1765)	6.28 (0.58)
ATV5414	2.39 (0.22)	58 5/16" (1481)	5 7/8" (149)	3.38 (0.31)	2.39 (0.22)	69 1/2" (1765)	6.70 (0.62)
ATV6014	2.71 (0.25)	66 5/16" (1684)	5 7/8" (149)	3.86 (0.36)	2.71 (0.25)	69 1/2" (1765)	7.55 (0.70)
ATV2118	0.79 (0.07)	19 3/16" (487)	5 7/8" (149)	1.53 (0.14)	0.79 (0.07)	65 1/2" (1664)	3.23 (0.30)
ATV2718	1.03 (0.10)	25 3/16" (640)	5 7/8" (149)	2.05 (0.19)	1.03 (0.10)	65 1/2" (1664)	4.03 (0.37)
ATV2918	1.11 (0.10)	27 3/16" (691)	5 7/8" (149)	2.23 (0.21)	1.11 (0.10)	65 1/2" (1664)	4.29 (0.40)
ATV3118	1.28 (0.12)	31 3/16" (792)	5 7/8" (149)	2.58 (0.24)	1.28 (0.12)	65 1/2" (1664)	4.83 (0.45)
ATV3318	1.36 (0.13)	33 3/16" (843)	5 7/8" (149)	2.75 (0.26)	1.36 (0.13)	65 1/2" (1664)	5.10 (0.47)
ATV4018	1.73 (0.16)	42 5/16" (1075)	5 7/8" (149)	3.55 (0.33)	1.73 (0.16)	65 1/2" (1664)	6.32 (0.59)
ATV5018	2.22 (0.21)	54 5/16" (1380)	5 7/8" (149)	4.60 (0.43)	2.22 (0.21)	65 1/2" (1664)	7.92 (0.74)
ATV5418	2.39 (0.22)	58 5/16" (1481)	5 7/8" (149)	4.95 (0.46)	2.39 (0.22)	65 1/2" (1664)	8.46 (0.79)
ATV6018	2.71 (0.25)	66 5/16" (1684)	5 7/8" (149)	5.65 (0.52)	2.71 (0.25)	65 1/2" (1664)	9.53 (0.89)
ATV2120	0.79 (0.07)	19 3/16" (487)	5 7/8" (149)	2.01 (0.19)	0.79 (0.07)	61 1/2" (1562)	3.90 (0.36)
ATV2720	1.03 (0.10)	25 3/16" (640)	5 7/8" (149)	2.71 (0.25)	1.03 (0.10)	61 1/2" (1562)	4.86 (0.45)
ATV2920	1.11 (0.10)	27 3/16" (691)	5 7/8" (149)	2.94 (0.27)	1.11 (0.10)	61 1/2" (1562)	5.19 (0.48)
ATV3120	1.28 (0.12)	31 3/16" (792)	5 7/8" (149)	3.40 (0.32)	1.28 (0.12)	61 1/2" (1562)	5.83 (0.54)
ATV3320	1.36 (0.13)	33 3/16" (843)	5 7/8" (149)	3.63 (0.34)	1.36 (0.13)	61 1/2" (1562)	6.16 (0.57)
ATV4020	1.73 (0.16)	42 5/16" (1075)	5 7/8" (149)	4.68 (0.44)	1.73 (0.16)	61 1/2" (1562)	7.63 (0.71)
ATV5020	2.22 (0.21)	54 5/16" (1380)	5 7/8" (149)	6.06 (0.56)	2.22 (0.21)	61 1/2" (1562)	9.57 (0.89)
ATV5420	2.39 (0.22)	58 5/16" (1481)	5 7/8" (149)	6.53 (0.61)	2.39 (0.22)	61 1/2" (1562)	10.21 (0.95)
ATV6020	2.71 (0.25)	66 5/16" (1684)	5 7/8" (149)	7.45 (0.69)	2.71 (0.25)	61 1/2" (1562)	1.07 (0.10)
ATV2124	0.79 (0.07)	19 3/16" (487)	5 7/8" (149)	2.50 (0.23)	0.79 (0.07)	57 1/2" (1461)	4.57 (0.42)
ATV2724	1.03 (0.10)	25 3/16" (640)	5 7/8" (149)	3.36 (0.31)	1.03 (0.10)	57 1/2" (1461)	5.70 (0.53)
ATV2924	1.11 (0.10)	27 3/16" (691)	5 7/8" (149)	3.64 (0.34)	1.11 (0.10)	57 1/2" (1461)	6.08 (0.56)
ATV3124	1.28 (0.12)	31 3/16" (792)	5 7/8" (149)	4.22 (0.39)	1.28 (0.12)	57 1/2" (1461)	6.84 (0.64)
ATV3324	1.36 (0.13)	33 3/16" (843)	5 7/8" (149)	4.50 (0.42)	1.36 (0.13)	57 1/2" (1461)	7.23 (0.67)
ATV4024	1.73 (0.16)	42 5/16" (1075)	5 7/8" (149)	5.81 (0.54)	1.73 (0.16)	57 1/2" (1461)	8.94 (0.83)
ATV5024	2.22 (0.21)	54 5/16" (1380)	5 7/8" (149)	7.53 (0.70)	2.22 (0.21)	57 1/2" (1461)	11.21 (1.04)
ATV5424	2.39 (0.22)	58 5/16" (1481)	5 7/8" (149)	8.10 (0.75)	2.39 (0.22)	57 1/2" (1461)	11.97 (1.11)
ATV6024	2.71 (0.25)	66 5/16" (1684)	5 7/8" (149)	9.24 (0.86)	2.71 (0.25)	57 1/2" (1461)	13.49 (1.25)

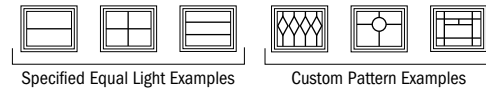
• "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).  
• Dimensions in parentheses are in millimeters or square meters.

# FRENCHWOOD® PATIO DOOR SIDELIGHTS & TRANSOMS

## Grille Patterns

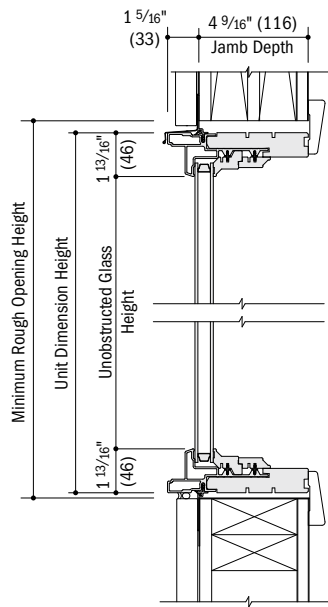


**Number of lights and overall pattern varies with window size. Patterns shown may not be available for all sizes.** Specified equal light and custom patterns are also available. For more information on divided light, see pages 12-13 or visit [andersenwindows.com/grilles](http://andersenwindows.com/grilles).



## Direct-Set Frenchwood® Patio Door Sidelight Transom and Transom Details

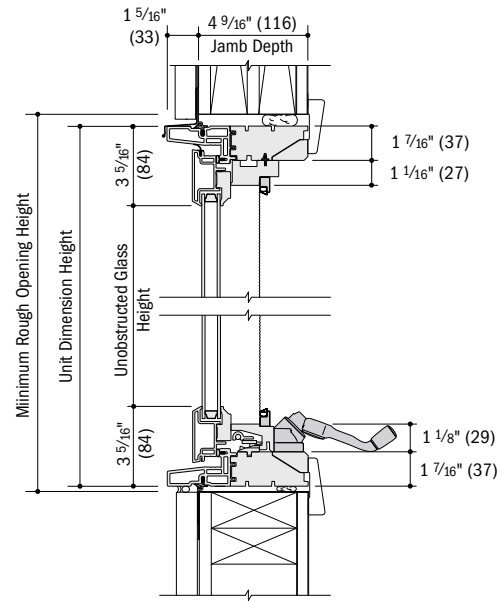
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



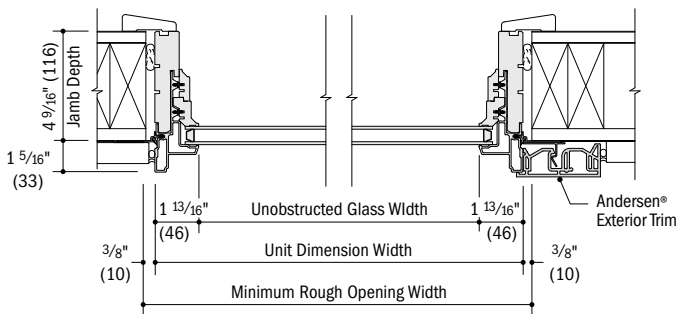
Vertical Section

## Venting Transom Window Details

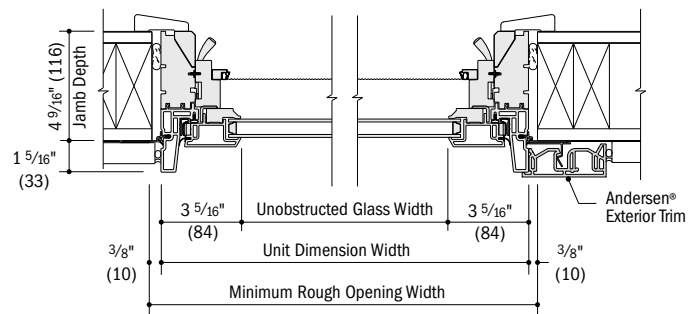
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Vertical Section



Horizontal Section

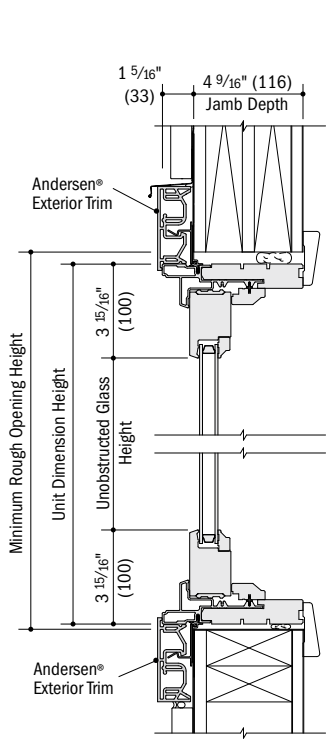


Horizontal Section

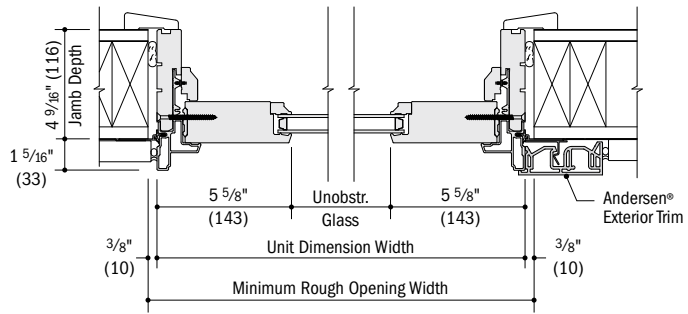
- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at [andersenwindows.com](http://andersenwindows.com).

**Sash-Set Frenchwood® Patio Door Sidelight, Sidelight Transom and Transom Details**

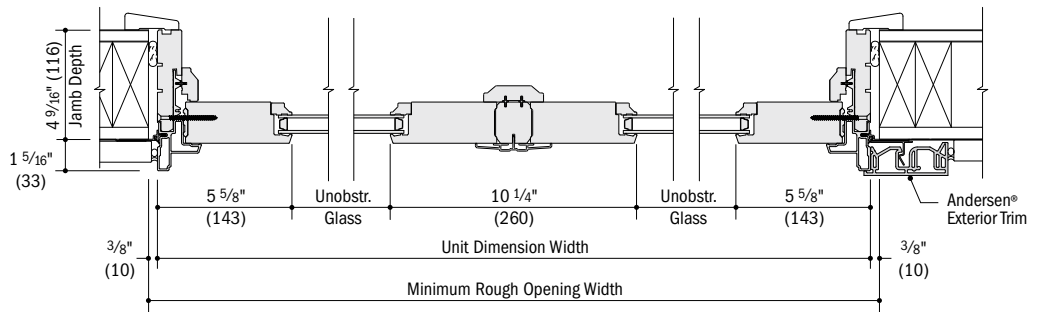
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



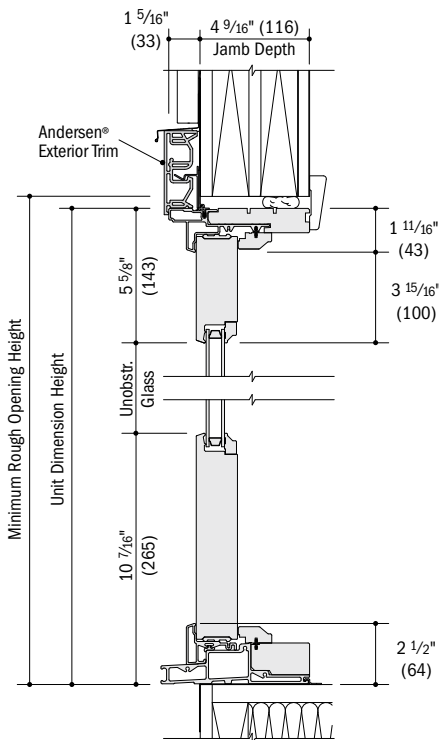
**Vertical Section**  
Sidelight Transom and Transom



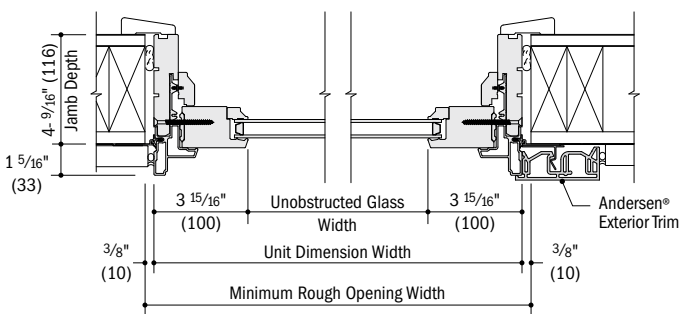
**Horizontal Section**  
Transom



**Horizontal Section**  
Twin Transom



**Vertical Section**  
Sidelight



**Horizontal Section**  
Sidelight and Sidelight Transom

See pages 156-159 for horizontal and vertical joining details.

- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at [andersenwindows.com](http://andersenwindows.com).

# FRENCHWOOD® PATIO DOORS

## Vertical (ribbon) 4 9/16" (116) and 6 9/16" (167) LVL Joining Details

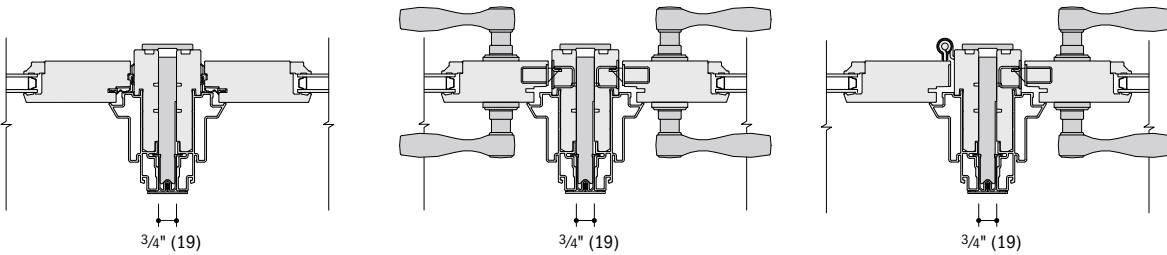
Scale 1 1/2" (38) = 1'-0" (305) – 1:8

### Frenchwood® Hinged Inswing Patio Doors

**Overall "Door to Door" or "Door to Sidelight" Dimension Width** Sum of individual "door to door" or "door to sidelight" widths plus 3/4" (19).

**Overall Minimum Rough Opening Width** Overall dimension width plus 3/4" (19).

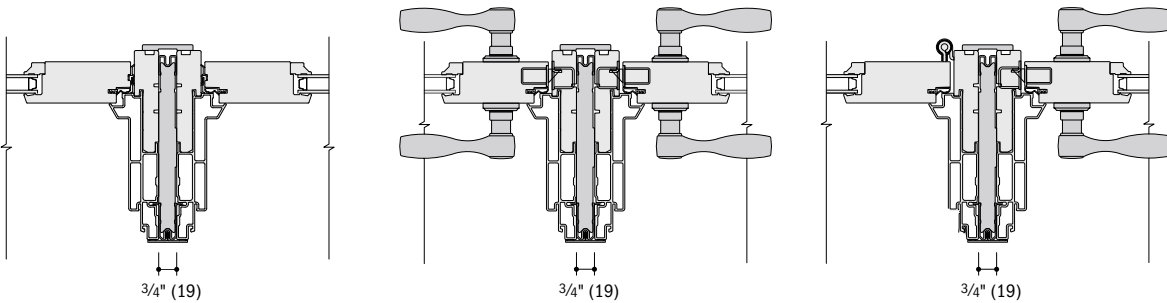
**Do not join inswing or outswing doors hinge jamb to hinge jamb.**



**Stationary Jamb to Stationary Jamb**  
4 9/16" (116) Jamb Depth

**Latch Jamb to Latch Jamb**  
4 9/16" (116) Jamb Depth

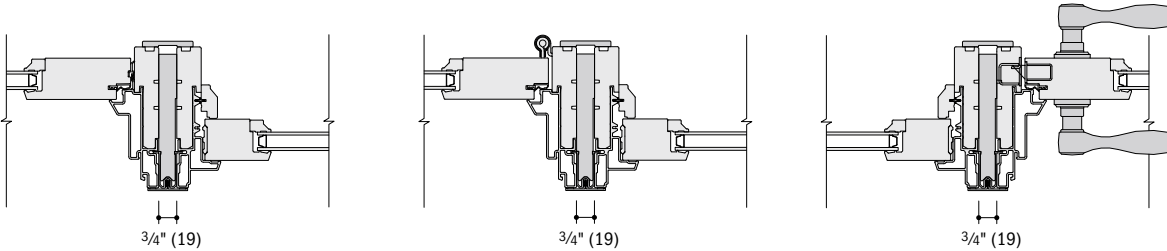
**Hinge Jamb to Latch Jamb**  
4 9/16" (116) Jamb Depth



**Stationary Jamb to Stationary Jamb**  
6 9/16" (167) Jamb Depth

**Latch Jamb to Latch Jamb**  
6 9/16" (167) Jamb Depth

**Hinge Jamb to Latch Jamb**  
6 9/16" (167) Jamb Depth



**Stationary Jamb to Sidelight**  
4 9/16" (116) Jamb Depth

**Hinge Jamb to Sidelight**  
4 9/16" (116) Jamb Depth

**Sidelight to Latch Jamb**  
4 9/16" (116) Jamb Depth

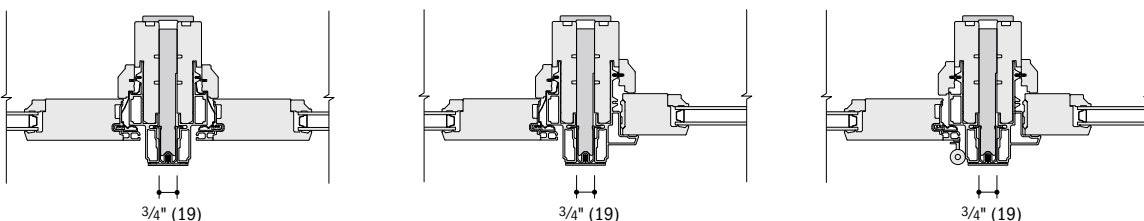
**For more joining information, see the combination designs section starting on page 206.**

### Frenchwood® Hinged Outswing Patio Doors

**Overall "Door to Door" or "Door to Sidelight" Dimension Width** Sum of individual "door to door" or "door to sidelight" widths plus 3/4" (19).

**Overall Minimum Rough Opening Width** Overall dimension width plus 3/4" (19).

**Do not join inswing or outswing doors hinge jamb to hinge jamb.**



**Stationary Door to Stationary Door**

**Stationary Door to Sidelight**

**Hinge Jamb to Sidelight**

- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.

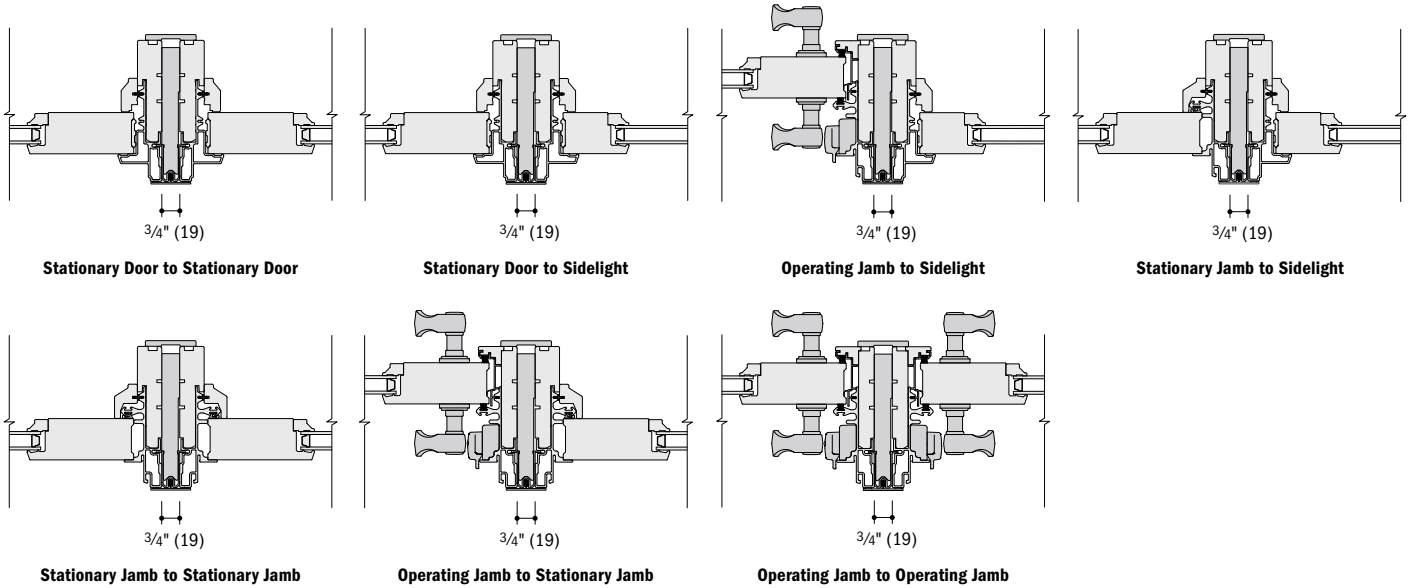
## Vertical (ribbon) 4 9/16" (116) LVL Joining Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

### Frenchwood® Gliding Patio Doors

**Overall "Door to Door" or "Door to Sidelight" Dimension Width** Sum of individual "door to door" or "door to sidelight" widths plus 3/4" (19).

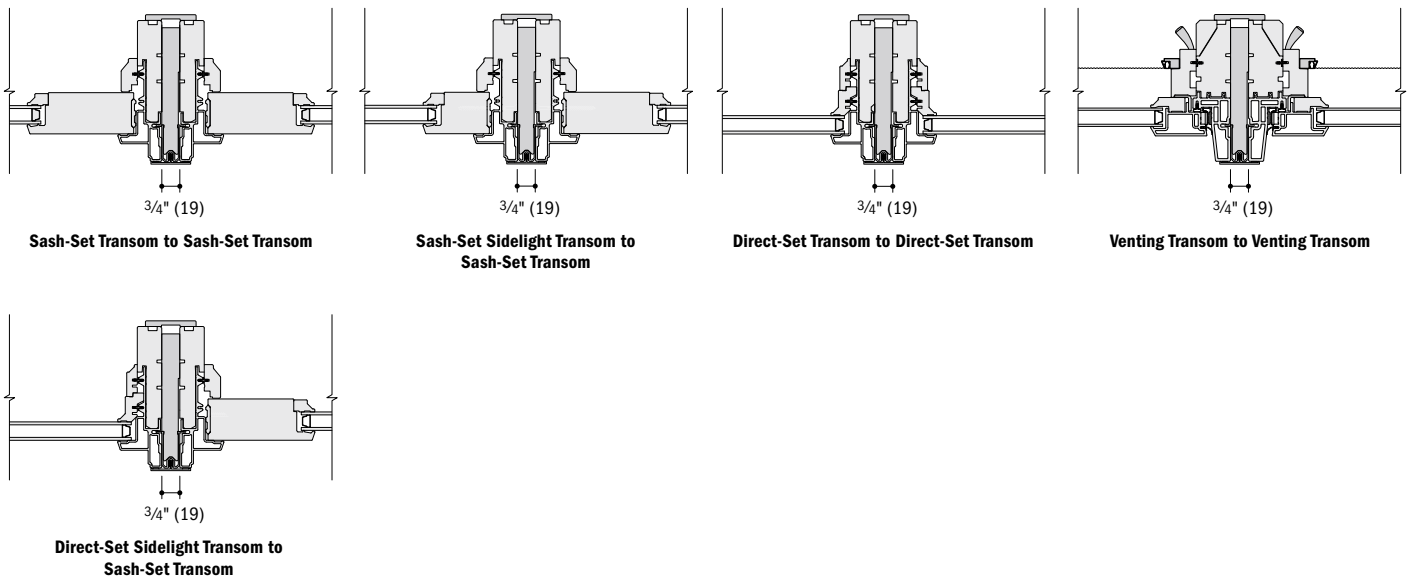
**Overall Minimum Rough Opening Width** Overall dimension width plus 3/4" (19).



### Frenchwood® Patio Door Sidelights, Sidelight Transoms, Transoms and Venting Transom Windows

**Overall "Transom to Transom" or "Transom to Sidelight Transom" Dimension Width** Sum of individual "transom to transom" or "transom to sidelight transom" widths plus 3/4" (19).

**Overall Minimum Rough Opening Width** Overall dimension width plus 3/4" (19).

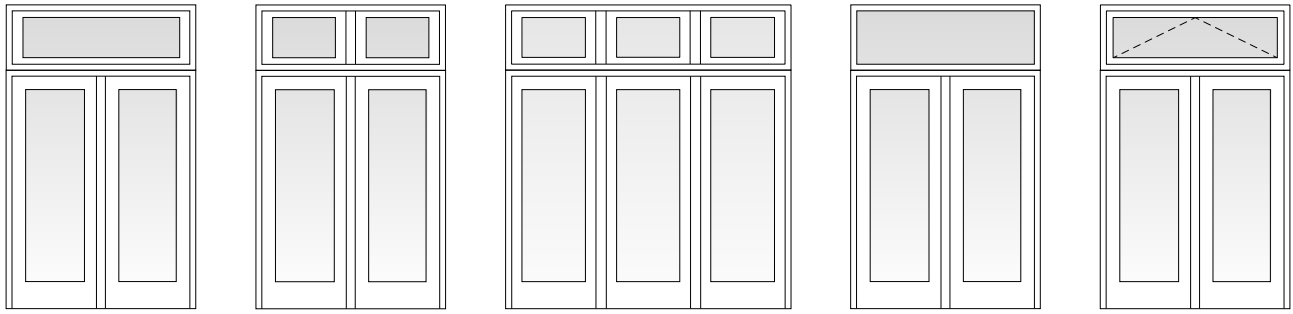


For more joining information, see the combination designs section starting on page 206.

- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.

# FRENCHWOOD® PATIO DOORS

## Transom Options



**Sash-Set  
Frenchwood® Patio Door Transom**

**Sash-Set  
Frenchwood® Patio Door  
Twin Transom**

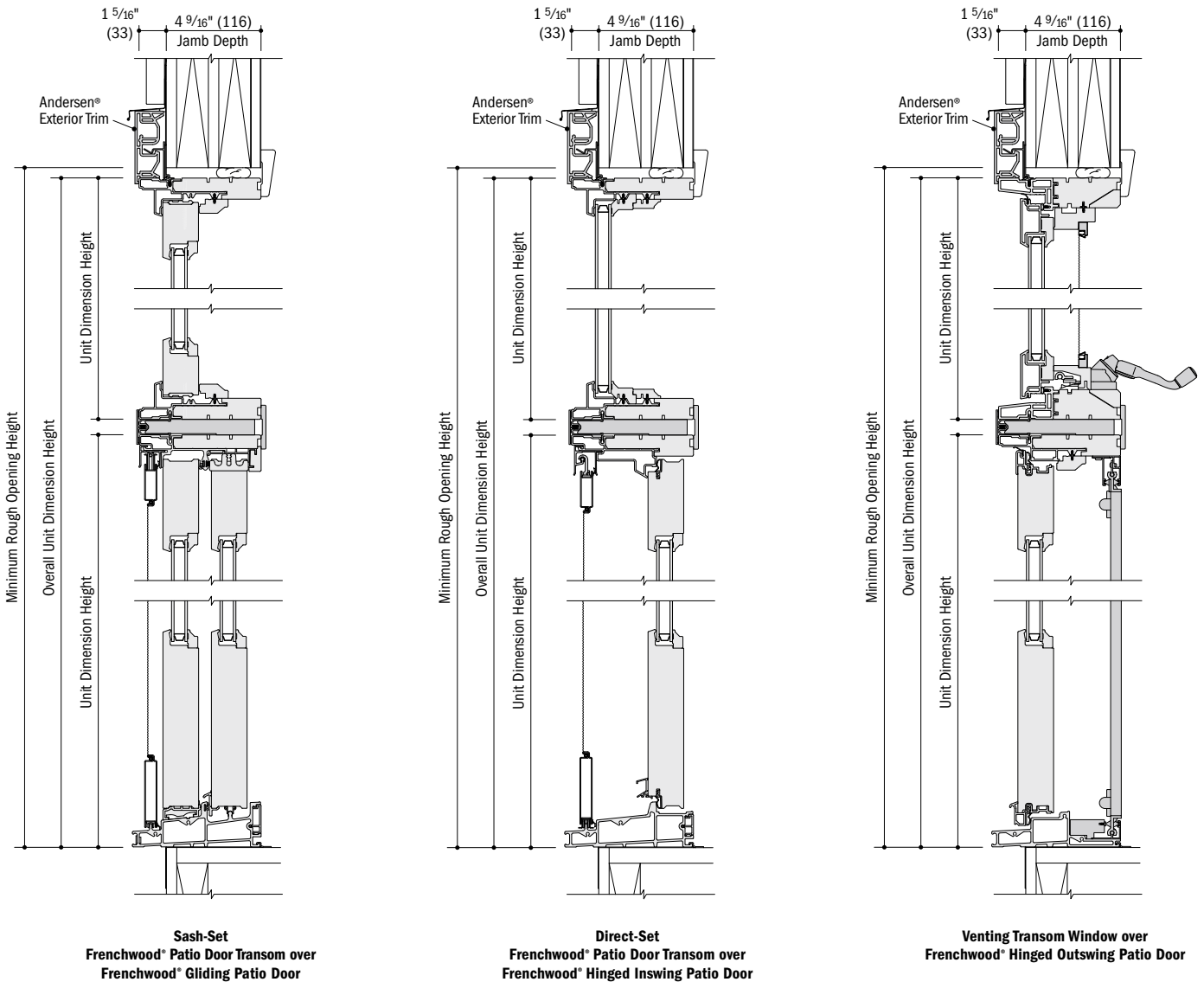
**Sash-Set  
Frenchwood® Patio Door  
Triple Transom**

**Direct-Set  
Frenchwood® Patio Door  
Transom**

**Venting Transom Window**

## Horizontal (stack) 4 9/16" (116) LVL Joining Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



**Sash-Set  
Frenchwood® Patio Door Transom over  
Frenchwood® Gliding Patio Door**

**Direct-Set  
Frenchwood® Patio Door Transom over  
Frenchwood® Hinged Inswing Patio Door**

**Venting Transom Window over  
Frenchwood® Hinged Outswing Patio Door**

- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.

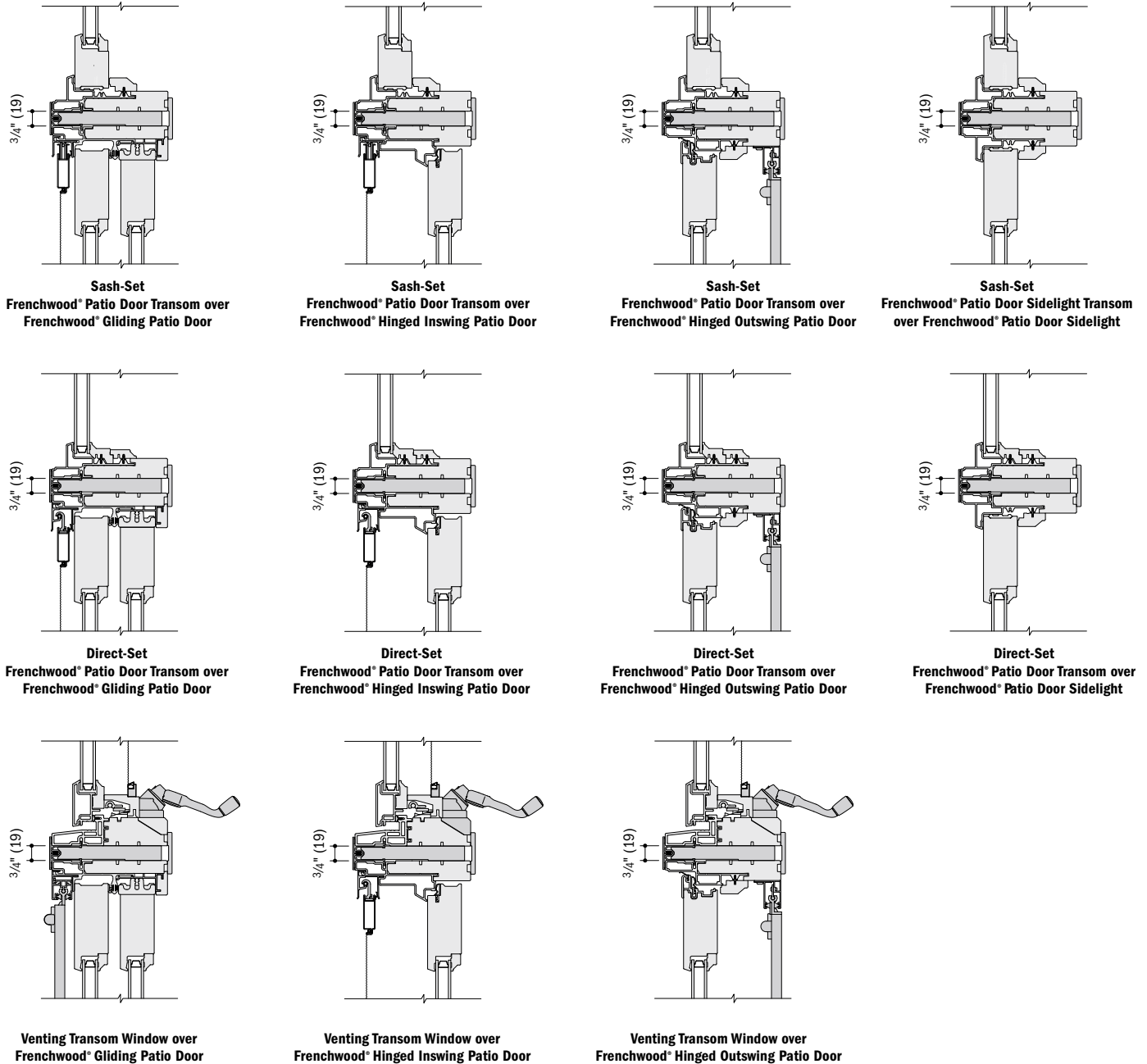


**Horizontal (stack) 4 9/16" (116) LVL Joining Details**

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

**Overall "Transom over Door" or "Transom over Sidelight" Dimension Height** Sum of individual "transom over door" or "transom over sidelight" heights plus 3/4" (19).

**Overall Minimum Rough Opening Height** Overall dimension height plus 1/2" (13).



For more joining information, see the combination designs section starting on page 206.

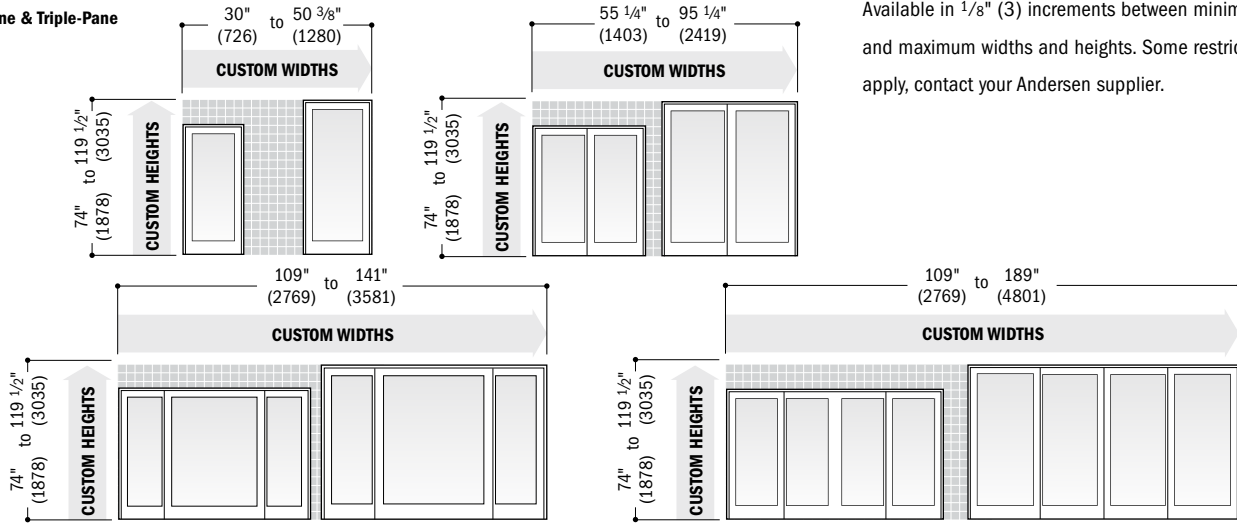
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.

# FRENCHWOOD® PATIO DOORS

## Custom Sizes & Specification Formulas

### Frenchwood® Gliding Patio Doors

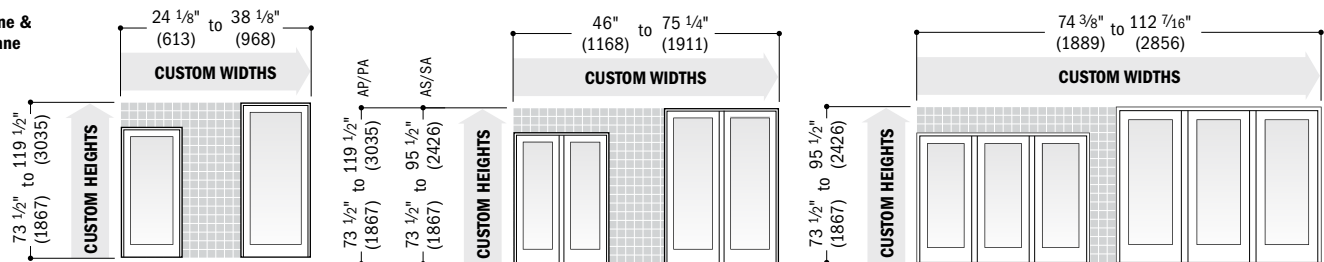
#### Dual-Pane & Triple-Pane



Clear Opening	Two-Panel	Three-Panel, one panel open	Four-Panel, two panels open	Minimum R.O.	Single-Panel	Two-Panel	Three-Panel	Four-Panel	Unobstr. Glass	Single-Panel	Two-Panel	Three-Panel	Four-Panel
	$Width = (door\ width + 2) - 8.368'' (213)$ $Height = door\ height - 3.927'' (98)$	$Width = (door\ width + 4) - 7.993'' (203)$ $Height = door\ height - 3.927'' (100)$	$Width = (door\ width + 2) - 15.458'' (393)$ $Height = door\ height - 3.927'' (100)$		$Width = door\ width + 3/4'' (19)$ $Height = door\ height + 1/2'' (13)$	$Width = door\ width + 3/4'' (19)$ $Height = door\ height + 1/2'' (13)$	$Width = door\ width + 1'' (25)$ $Height = door\ height + 1/2'' (13)$	$Width = door\ width + 1'' (25)$ $Height = door\ height + 1/2'' (13)$		$Width = door\ width - 11.22'' (285)$ $Height = door\ height - 16.06'' (408)$	$Width = door\ width - 17.00'' (432)$ $Height = door\ height - 16.06'' (408)$	$Width = door\ width - 22.78'' (579)$ $Height = door\ height - 16.06'' (408)$	$Width = door\ width - 11.22'' (285)$ $Height = door\ height - 16.06'' (408)$

### Frenchwood® Hinged Inswing Patio Doors

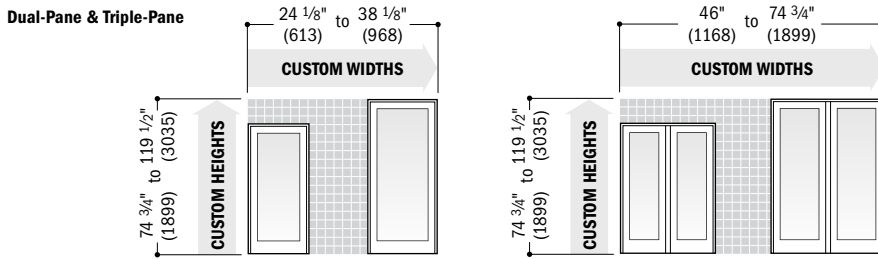
#### Dual-Pane & Triple-Pane



Clear Opening	Single-Panel	Two-Panel, two panels open	Two-Panel, one panel open	Three-Panel, one panel open	Minimum R.O.	Single-Panel	Two-Panel	Three-Panel	Unobstr. Glass	Single-Panel	Two-Panel	Three-Panel
	$Height = door\ height - 4.232'' (107)$	$Width = door\ width - 5.799'' (147)$	$Width = door\ width - 7.477'' (190)$	$Width = (door\ width - 8.992'' (228)) + 2$		$Width = door\ width + 3/4'' (19)$ $Height = door\ height + 1/2'' (13)$	$Width = door\ width + 3/4'' (19)$ $Height = door\ height + 1/2'' (13)$	$Width = door\ width + 3/4'' (19)$ $Height = door\ height + 1/2'' (13)$		$Width = door\ width - 11.22'' (285)$ $Height = door\ height - 16.06'' (408)$	$Width = door\ width - 21.50'' (546)$ $Height = door\ height - 16.06'' (408)$	$Width = door\ width - 31.784'' (807)$ $Height = door\ height - 16.06'' (408)$

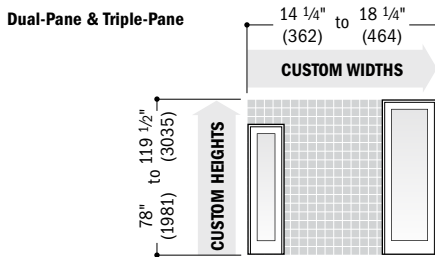
• Dimensions in parentheses are in millimeters.  
 • **Clear Opening** formulas provide dimensions for determining area available for egress. Vent opening, or area available for passage of air, is equal to clear opening. **Minimum R.O.** (minimum rough opening) formulas provide minimum rough opening width and height dimensions. **Unobstr. Glass** (unobstructed glass) formulas provide dimensions for determining area available for passage of light.

### Frenchwood® Hinged Outswing Patio Doors



Clear Opening	Minimum R.O.	Unobstr. Glass
<p>Height = door height - 3.418" (87)</p> <p><b>Single-Panel</b> Width = door width - 5.04" (128)</p> <p><b>Two-Panel, two panels open</b> Width = door width - 6.69" (170)</p> <p><b>Two-Panel, one panel open</b> Width = (door width - 9.959" (253)) ÷ 2</p>	<p><b>Single-Panel</b> Width = door width + 3/4" (19) Height = door height + 1/2" (13)</p> <p><b>Two-Panel</b> Width = door + 3/4" (19) Height = door + 1/2" (13)</p>	<p><b>Single-Panel</b> Width = door width - 11.22" (285) Height = door height - 16.06" (408)</p> <p><b>Two-Panel</b> Width = door width - 21.50" (546) Height = door height - 16.06" (408)</p>

### Frenchwood® Patio Door Sidelights



Minimum R.O.	Unobstr. Glass
<p><b>Sidelight</b> Width = sidelight width + 3/4" (19) Height = sidelight height + 1/2" (13)</p>	<p><b>Sidelight</b> Width = sidelight width - 7.84" (199) Height = sidelight height - 16.06" (408)</p>

### Custom-Size Frenchwood® Patio Door Shipping Information

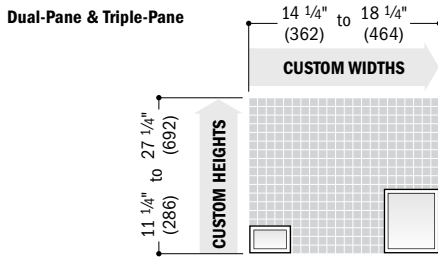
	DOOR PRODUCT TYPE & SIZE		FACTORY-ASSEMBLED	UNASSEMBLED with Assembled Frame <small>Panels ship separately</small>	UNASSEMBLED with Unassembled Frame <small>Panels ship separately</small>
8' TALL OR LESS	1-panel	gliding	✓		
	1-panel	hinged	✓		
	2-panel	gliding	✓		✓
	2-panel	hinged	✓		
	3- or 4-panel	gliding			✓
OVER 8' TALL	1-panel	gliding	✓		
	1-panel	hinged	✓		
	2-panel	gliding			✓
	2-panel*	hinged		✓	
	3- or 4-panel	gliding			✓

\*Two-panel patio doors over 8' (2438) tall are only available active/passive or passive/active (AP/PA).

- Dimensions in parentheses are in millimeters.
- **Clear Opening** formulas provide dimensions for determining area available for egress. Vent opening, or area available for passage of air, is equal to clear opening. **Minimum R.O.** (minimum rough opening) formulas provide minimum rough opening width and height dimensions. **Unobstr. Glass** (unobstructed glass) formulas provide dimensions for determining area available for passage of light.

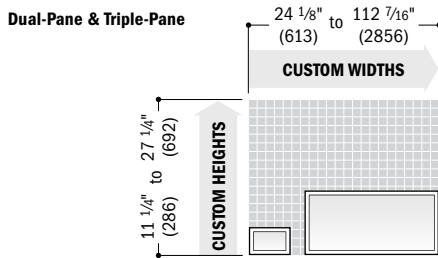
# FRENCHWOOD® PATIO DOORS

## Frenchwood® Patio Door Sidelight Transoms



Minimum R.O.	Sash-Set Sidelight Transom	Unobstr. Glass	Sash-Set Sidelight Transom
	<b>Width</b> = transom width + 3/4" (19) <b>Height</b> = transom height + 3/4" (19)		<b>Width</b> = transom width - 7.84" (199) <b>Height</b> = transom height - 7.84" (199)
	<b>Direct-Set Sidelight Transom</b> <b>Width</b> = transom width + 3/4" (19) <b>Height</b> = transom height + 3/4" (19)		<b>Direct-Set Sidelight Transom</b> <b>Width</b> = transom width - 3.66" (93) <b>Height</b> = transom height - 3.66" (93)

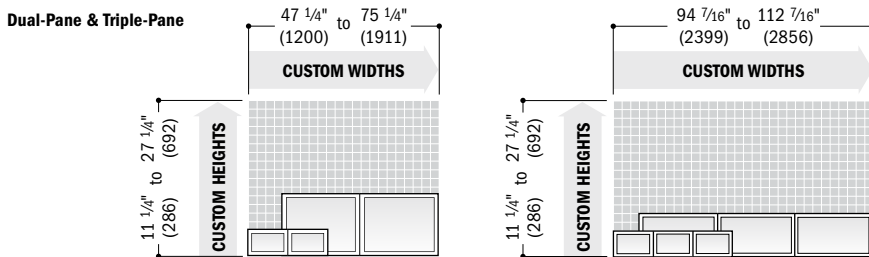
## Frenchwood® Patio Door Transoms



For custom sizes and specification formulas for venting transom windows, see page 69.

Minimum R.O.	Sash-Set Transom	Unobstr. Glass	Sash-Set Transom
	<b>Width</b> = transom width + 3/4" (19) <b>Height</b> = transom height + 3/4" (19)		<b>Width</b> = transom width - 11.22" (285) <b>Height</b> = transom height - 7.84" (199)
	<b>Direct-Set Transom</b> <b>Width</b> = transom width + 3/4" (19) <b>Height</b> = transom height + 3/4" (19)		<b>Direct-Set Transom</b> <b>Width</b> = transom width - 3.66" (93) <b>Height</b> = transom height - 3.66" (93)

## Frenchwood® Patio Door Twin and Triple Transoms



Minimum R.O.	Twin	Unobstr. Glass	Twin
	<b>Width</b> = transom width + 3/4" (19) <b>Height</b> = transom height + 3/4" (19)		<b>Width</b> = transom width - 21.5" (546) <b>Height</b> = transom height - 7.84" (199)
	<b>Triple</b> <b>Width</b> = transom width + 3/4" (19) <b>Height</b> = transom height + 3/4" (19)		<b>Triple</b> <b>Width</b> = transom width - 31.78" (807) <b>Height</b> = transom height - 7.84" (199)

• Dimensions in parentheses are in millimeters.  
 • **Minimum R.O.** (minimum rough opening) formulas provide minimum rough opening width and height dimensions. **Unobstr. Glass** (unobstructed glass) formulas provide dimensions for determining area available for passage of light.



# COMPLEMENTARY CURVED TOP PATIO DOORS

**CUSTOM SIZING**  
in 1/8" (3) increments



A-Series  
Complementary  
Curved Top Patio Doors

## SECTION REFERENCE

### Springline™ Patio Doors

Door Dimensions & Specifications .....	165
Door Details .....	166-167

### Arch Patio Doors

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Product Performance .....	214
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Dimensions in parentheses are in millimeters.

# COMPLEMENTARY CURVED TOP PATIO DOORS

## FEATURES

### Frame

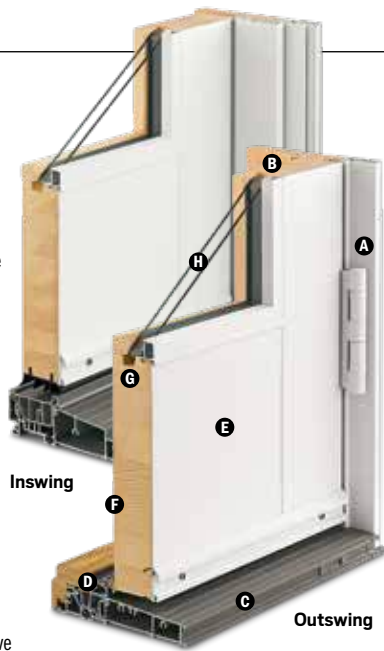
**A** Heavy-duty extruded aluminum cladding protects the frame exterior, providing low-maintenance durability. Standard cladding finish meets AAMA 2604. An optional finish that meets the AAMA 2605 standard is also available.

Installation flange extends 1 1/2" (38) around three sides of the unit to help properly position the unit in the opening. Installation clips are standard for increased structural anchoring to building members. Mounted around the frame perimeter, the clips rotate into position and can be bent into place against the framing members to suit all jamb conditions.

**B** Wood frame members are treated with a water-repellent wood preservative for long-lasting protection and performance. Radii are made of laminated continuous veneers. Lineal components are engineered wood with a pine core.

**C** Extruded aluminum sill is thermally broken and available in painted bronze or gray finish. Innovative sill design provides superior water management. Standard outswing sills have an oak cap. Maple or mahogany are optional. Inswing sills have an interior wood trim strip to match the interior finish.

**D** One-piece compression weatherstripping at the frame sides and head protects against air and water infiltration. Flexible thermoplastic sweep is featured at the bottom of the panel on inswing units. Outswing doors also feature a polypropylene rain skirt at the panel sides and top for added protection.



### Panel

**E** Heavy-duty extruded aluminum cladding protects the panel exterior, providing low-maintenance durability.

**F** Panel interior surfaces are unfinished wood veneers. Available species are pine, maple, oak, alder, cherry, mahogany,\*\* hickory, walnut, along with mixed and vertical grain douglas fir. Available prefinished in all interior color options.

**G** Silicone glazing bead combined with two-sided silicone tape provides superior weathertightness.

### Glass

**H** High-Performance glass options include:

- Low-E4® tempered glass
- Low-E4 HeatLock® tempered glass
- Low-E4 Sun tempered glass
- Low-E4 SmartSun™ tempered glass
- Low-E4 SmartSun HeatLock tempered glass

Additional glass options are available. Contact your Andersen supplier.

A removable translucent film helps shield the glass from damage during delivery and construction and also simplifies finishing at the jobsite.

### Hardware

#### Multi-Point Locking System/Expanded Offering

The complementary hinged patio door has a multi-point locking system with a hook bolt above and below the center deadbolt. This system provides a weathertight seal and enhanced security. Mix-and-match style and finish options are available to get just the right look inside and out. For hardware style and finish options, see pages 10-11.

#### Hinges

Ball-bearing hinges are standard on outswing patio doors and are available in finishes that coordinate with hardware trim sets.

Adjustable hinges are standard on inswing patio doors and have ball-bearing pivots for smooth, frictionless movement and feature easy horizontal and vertical adjustments, plus a quick-release feature for easy panel removal. This release feature is ideal for transporting large units up stairs or to other hard-to-reach areas.

Gold dust finish is standard on wood interior doors. For units with a prefinished White interior, white finish hinges are standard. Also available in finishes that coordinate with most hardware.

#### Operation

Inswing and outswing units are available. Choose left-hinged, right-hinged or stationary as viewed from the exterior.

## ACCESSORIES Sold Separately

### Frame

#### Extension Jamb

Inswing and outswing standard jamb depth is 4 9/16" (116). Inswing is also available in a 6 9/16" (167) jamb depth. Interior extension jamba are available in 1/16" (1.5) increments between 4 9/16" (116) and 7 1/8" (181). Additional dimensions are available, contact your Andersen supplier.

Interior extension jamba on inswing units will restrict the full opening of the door.

#### Casings

Curved interior casings are available in the same profiles as other Andersen® products. Curved exterior aluminum and wood casings are available in matching radii and a variety of profiles. See page 73.

### Hardware

#### Exterior Keyed Lock



A six-pin key cylinder lock is available for all patio doors in styles and finishes that coordinate with hardware. This lock allows the door to be locked and unlocked from the exterior.

#### Yale® Assure Lock® Keyless Lock

Monitor, lock and unlock from anywhere with the Yale Assure Lock. See page 16 for additional details.

#### Hardware Options

See pages 10-11 for hardware styles and finish options, including new FSB® hardware. Hardware sold separately.

## EXTERIOR CLAD

Custom colors available.



White Canvas Sandtone Terratone



Forest Green Dark Bronze Dove Gray Prairie Grass



Red Rock Cocoa Bean Black

Dimensions in parentheses are in millimeters.

"FSB" is a registered trademark of Franz Schneider Brakel GmbH & Co.

## INTERIOR

**WOOD SPECIES** Additional wood species available.



Pine Maple Oak Alder Cherry



Mahogany\*\* Hickory Walnut Mixed Grain Douglas Fir Vertical Grain Douglas Fir

Naturally occurring variations in grain, color and texture of wood make each door one-of-a-kind. All wood interiors are unfinished unless a painted option is specified.

**PAINTED OPTIONS** Available on pine.



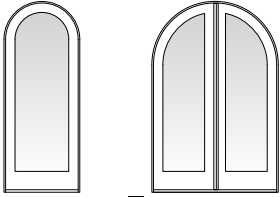
White Birch Bark Primed (for paint)

Canvas, Sandtone, Terratone, Forest Green, Dark Bronze, Dove Gray, Prairie Grass, Red Rock, Cocoa Bean and Black painted options are also available (colors shown to left).

\* Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

\*\* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

Printing limitations prevent exact duplication of colors and finishes. See your Andersen supplier for actual color and finish samples.



1 AHISDxx80

1 AHISDxx80AP/PA



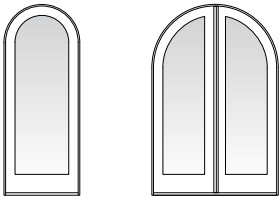
Custom-size doors are available in 1/8" (3) increments.

Traditional panels are standard. Custom designed and 3/4-light panels are also available. Stationary doors are also available (i.e. 3180S or 4080SS). Add AHISD to "Door Number" listed in table (i.e. AHISD2168).

### Complementary Springline™ Inswing Patio Door Dimensions and Specifications

Door Number	Number of Panels Open*	Door Dimensions				Min. Rough Opening		Clear Opening Area Sq. Ft./ (m <sup>2</sup> )	Clear Opening Maximums			Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Area Sq. Ft./ (m <sup>2</sup> )	Overall Door Area Sq. Ft./ (m <sup>2</sup> )
		Radius Inches/(mm)	Shoulder Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)		90° Width Inches/(mm)	Full Width Inches/(mm)	Height Inches/(mm)			
3180	1	18" (457)	77 1/2" (1969)	35 15/16" (913)	95 1/2" (2426)	37" (940)	96" (2438)	17.26 (1.60)	30 7/8" (784)	32 13/16" (833)	75 3/4" (1924)	13.28 (1.23)	20.27 (1.88)	22.88 (2.13)
3380	1	19" (483)	76 1/2" (1943)	37 15/16" (964)	95 1/2" (2426)	39" (991)	96" (2438)	18.07 (1.68)	32 7/8" (835)	34 13/16" (884)	74 3/4" (1899)	14.31 (1.33)	21.45 (1.99)	24.09 (2.24)
4080	2	23 5/8" (600)	71 7/8" (1826)	47 1/4" (1200)	95 1/2" (2426)	48" (1219)	96" (2438)	21.34 (1.98)	39 15/16" (1014)	43 13/16" (1113)	70 1/8" (1781)	13.27 (1.23)	26.72 (2.48)	29.67 (2.76)
4080	1	23 5/8" (600)	71 7/8" (1826)	47 1/4" (1200)	95 1/2" (2426)	48" (1219)	96" (2438)	10.17 (0.94)	18 15/16" (481)	20 7/8" (530)	70 1/8" (1781)	13.27 (1.23)	11.72 (1.09)	29.67 (2.76)
5080	2	29 5/8" (752)	65 7/8" (1673)	59 1/4" (1505)	95 1/2" (2426)	60" (1524)	96" (2438)	24.85 (2.31)	51 15/16" (1319)	55 13/16" (1418)	64 1/8" (1629)	19.14 (1.78)	33.54 (3.12)	36.68 (3.41)
5080	1	29 5/8" (752)	65 7/8" (1673)	59 1/4" (1505)	95 1/2" (2426)	60" (1524)	96" (2438)	11.97 (1.11)	24 15/16" (633)	26 7/8" (683)	64 1/8" (1629)	19.14 (1.78)	14.53 (1.35)	36.68 (3.41)
5480	2	31 5/8" (803)	63 7/8" (1622)	63 1/4" (1607)	95 1/2" (2426)	64" (1626)	96" (2438)	25.80 (2.40)	55 15/16" (1421)	59 13/16" (1519)	62 1/8" (1578)	21.05 (1.96)	35.77 (3.32)	38.97 (3.62)
5480	1	31 5/8" (803)	63 7/8" (1622)	63 1/4" (1607)	95 1/2" (2426)	64" (1626)	96" (2438)	12.46 (1.16)	26 15/16" (684)	28 7/8" (733)	62 1/8" (1578)	21.05 (1.96)	15.45 (1.44)	38.97 (3.62)
6080	2	35 5/8" (905)	59 7/8" (1521)	71 1/4" (1810)	95 1/2" (2426)	72" (1829)	96" (2438)	27.37 (2.54)	63 15/16" (1624)	67 13/16" (1722)	58 1/8" (1476)	24.79 (2.30)	40.15 (3.73)	43.47 (4.04)
6080	1	35 5/8" (905)	59 7/8" (1521)	71 1/4" (1810)	95 1/2" (2426)	72" (1829)	96" (2438)	13.27 (1.23)	30 7/8" (786)	32 7/8" (835)	58 1/8" (1476)	24.79 (2.30)	17.24 (1.60)	43.47 (4.04)
6480	2	37 5/8" (956)	57 7/8" (1470)	75 1/4" (1911)	95 1/2" (2426)	76" (1930)	96" (2438)	27.99 (2.60)	67 15/16" (1726)	71 13/16" (1824)	56 1/8" (1426)	26.63 (2.47)	42.30 (3.93)	45.69 (4.24)
6480	1	37 5/8" (956)	57 7/8" (1470)	75 1/4" (1911)	95 1/2" (2426)	76" (1930)	96" (2438)	13.59 (1.26)	32 15/16" (837)	34 7/8" (886)	56 1/8" (1426)	26.63 (2.47)	19.84 (1.84)	45.69 (4.24)

- "Door Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters or square meters.
- For two-panel patio doors with one panel open, clear opening is based on active panel being open and passive panel being closed.



1 AOSDxx80

1 AOSDxx80AP/PA



Custom-size doors are available in 1/8" (3) increments.

Traditional panels are standard. Custom designed and 3/4-light panels are also available. Stationary doors are also available (i.e. 3180S or 4080SS). Add AOSD to "Door Number" listed in table (i.e. AOSD2168).

### Complementary Springline™ Outswing Patio Door Dimensions and Specifications

Door Number	Number of Panels Open*	Door Dimensions				Min. Rough Opening		Clear Opening Area Sq. Ft./ (m <sup>2</sup> )	Clear Opening Maximums			Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Area Sq. Ft./ (m <sup>2</sup> )	Overall Door Area Sq. Ft./ (m <sup>2</sup> )
		Radius Inches/(mm)	Shoulder Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)		90° Width Inches/(mm)	Full Width Inches/(mm)	Height Inches/(mm)			
3180	1	18" (457)	77 1/2" (1969)	35 15/16" (913)	95 1/2" (2426)	37" (940)	96" (2438)	17.52 (1.63)	31 3/8" (797)	33 5/16" (846)	75 3/4" (1924)	13.28 (1.23)	20.53 (1.91)	22.88 (2.13)
3380	1	19" (483)	76 1/2" (1943)	37 15/16" (964)	95 1/2" (2426)	39" (991)	96" (2438)	18.33 (1.70)	33 3/8" (848)	35 5/16" (897)	74 3/4" (1899)	14.31 (1.33)	21.71 (2.02)	24.09 (2.24)
4080	2	23 5/8" (600)	71 7/8" (1826)	47 1/4" (1200)	95 1/2" (2426)	48" (1219)	96" (2438)	21.73 (2.02)	40 11/16" (1033)	44 5/8" (1133)	70 1/8" (1781)	13.27 (1.23)	27.12 (2.52)	29.67 (2.76)
4080	1	23 5/8" (600)	71 7/8" (1826)	47 1/4" (1200)	95 1/2" (2426)	48" (1219)	96" (2438)	10.35 (0.96)	19 1/4" (489)	21 1/4" (540)	70 1/8" (1781)	13.27 (1.23)	11.72 (1.09)	29.67 (2.76)
5080	2	29 5/8" (752)	65 7/8" (1673)	59 1/4" (1505)	95 1/2" (2426)	60" (1524)	96" (2438)	25.22 (2.34)	52 11/16" (1338)	56 5/8" (1438)	64 1/8" (1629)	19.14 (1.78)	33.90 (3.15)	36.68 (3.41)
5080	1	29 5/8" (752)	65 7/8" (1673)	59 1/4" (1505)	95 1/2" (2426)	60" (1524)	96" (2438)	12.13 (1.13)	25 1/4" (641)	27 1/4" (692)	64 1/8" (1629)	19.14 (1.78)	14.53 (1.35)	36.68 (3.41)
5480	2	31 5/8" (803)	63 7/8" (1622)	63 1/4" (1607)	95 1/2" (2426)	64" (1626)	96" (2438)	26.16 (2.43)	56 11/16" (1440)	60 5/8" (1540)	62 1/8" (1578)	21.05 (1.96)	36.12 (3.36)	38.97 (3.62)
5480	1	31 5/8" (803)	63 7/8" (1622)	63 1/4" (1607)	95 1/2" (2426)	64" (1626)	96" (2438)	12.62 (1.17)	27 1/4" (692)	29 1/4" (743)	62 1/8" (1578)	21.05 (1.96)	15.45 (1.44)	38.97 (3.62)
6080	2	35 5/8" (905)	59 7/8" (1521)	71 1/4" (1810)	95 1/2" (2426)	72" (1829)	96" (2438)	27.70 (2.57)	64 11/16" (1643)	68 5/8" (1743)	58 1/8" (1476)	24.79 (2.30)	40.48 (3.76)	43.47 (4.04)
6080	1	35 5/8" (905)	59 7/8" (1521)	71 1/4" (1810)	95 1/2" (2426)	72" (1829)	96" (2438)	13.42 (1.25)	31 1/4" (794)	33 1/4" (845)	58 1/8" (1476)	24.79 (2.30)	17.24 (1.60)	43.47 (4.04)
6480	2	37 5/8" (956)	57 7/8" (1470)	75 1/4" (1911)	95 1/2" (2426)	76" (1930)	96" (2438)	28.31 (2.63)	68 11/16" (1745)	72 5/8" (1845)	56 1/8" (1426)	26.63 (2.47)	42.62 (3.96)	45.69 (4.24)
6480	1	37 5/8" (956)	57 7/8" (1470)	75 1/4" (1911)	95 1/2" (2426)	76" (1930)	96" (2438)	13.74 (1.28)	33 1/4" (845)	35 1/4" (895)	56 1/8" (1426)	26.63 (2.47)	19.84 (1.84)	45.69 (4.24)

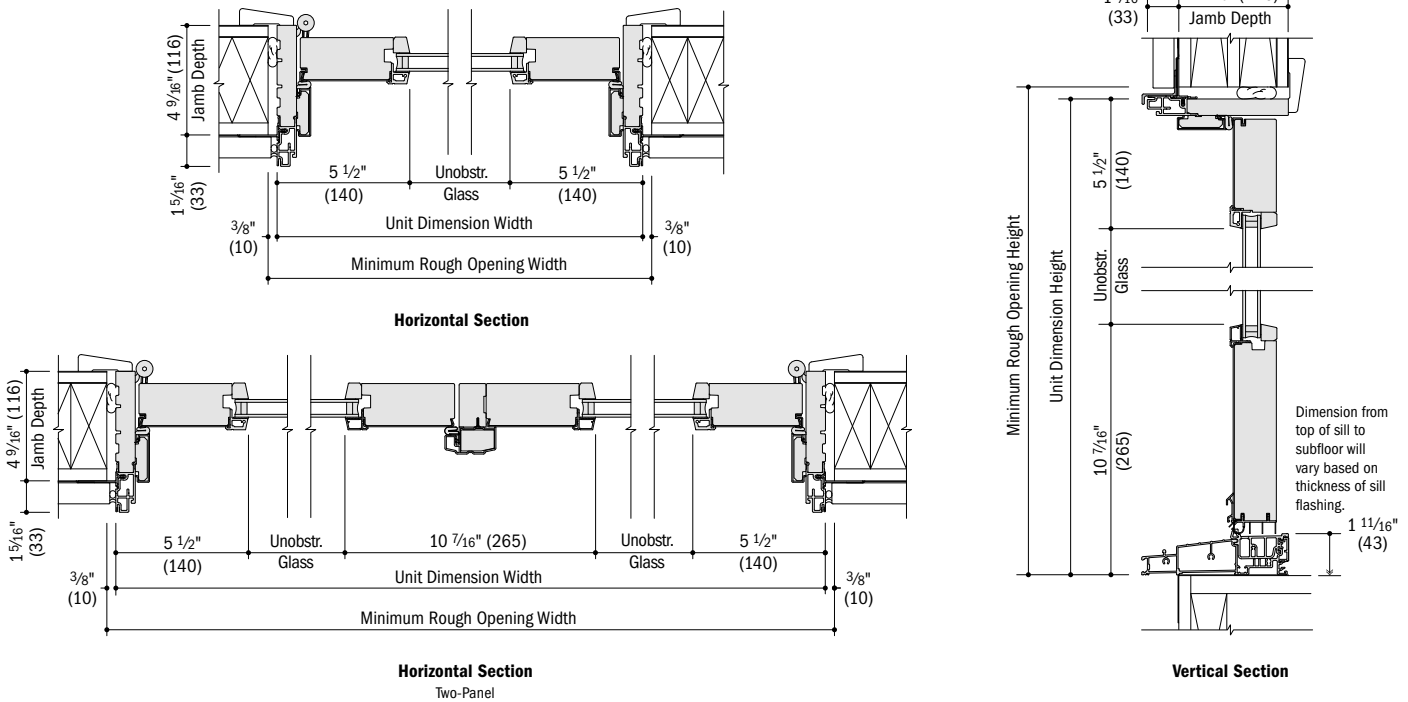
- "Door Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters or square meters.
- For two-panel patio doors with one panel open, clear opening is based on active panel being open and passive panel being closed.

A-Series  
Complementary  
Curved Top Patio Doors

# COMPLEMENTARY CURVED TOP PATIO DOORS

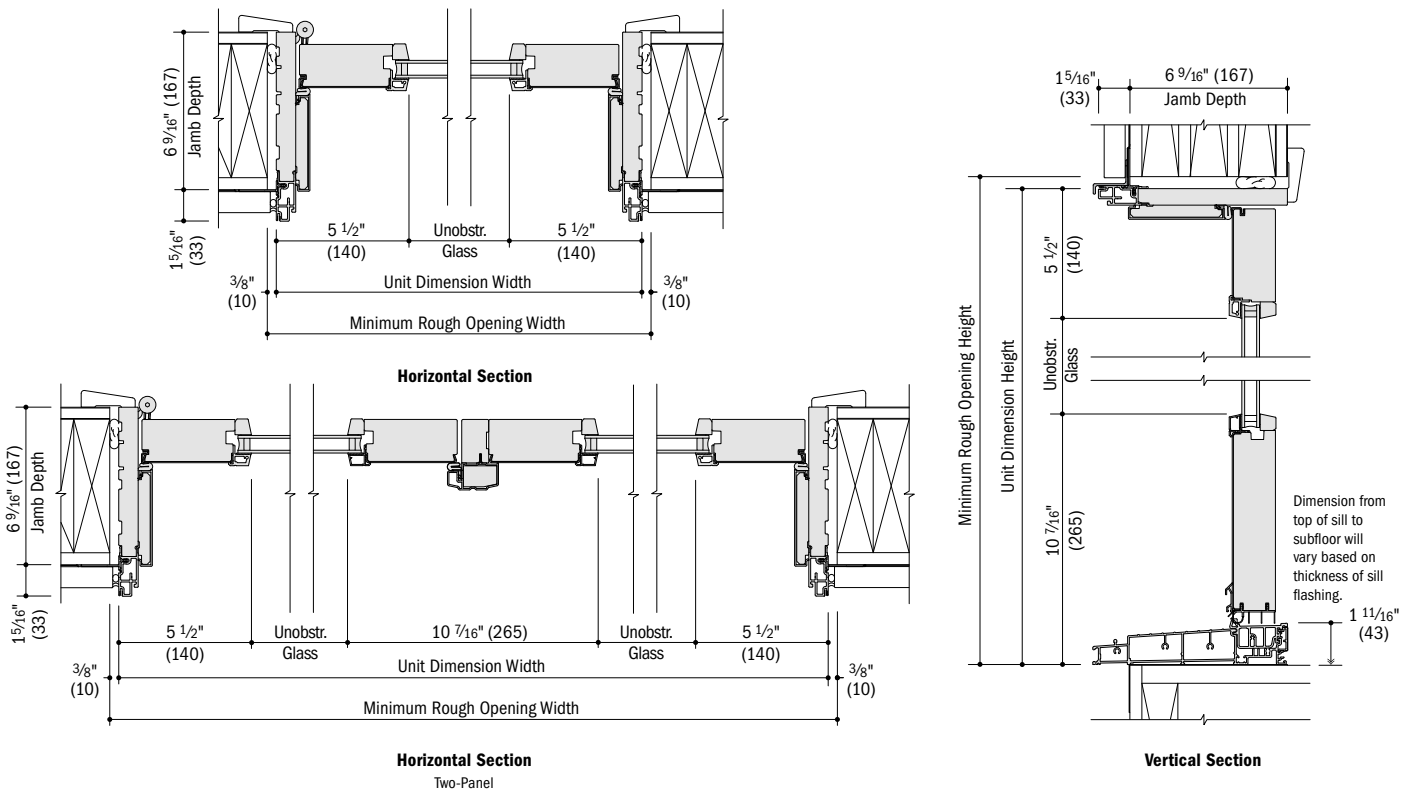
## Complementary Springline™ Inswing Patio Door Details – 4 9/16" (116) Jamb Depth

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



## Complementary Springline™ Inswing Patio Door Details – 6 9/16" (167) Jamb Depth

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

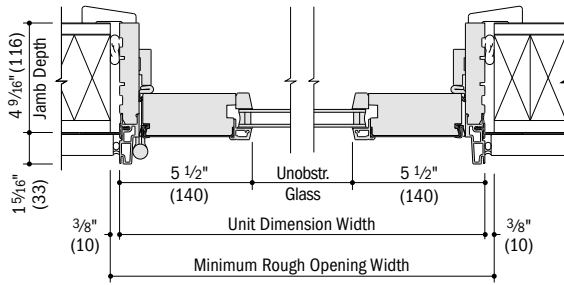


- 4 9/16" (116) and 6 9/16" (167) jamb depth measurements are from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen™ parts required to complete door assembly as shown.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

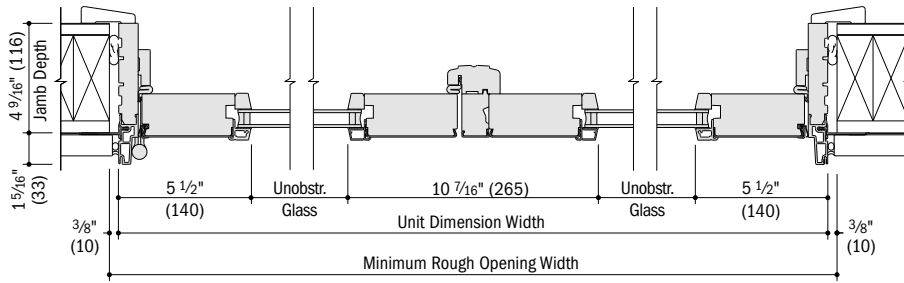


**Complementary Springline™ Outswing Patio Door Details – 4 9/16" (116) Jamb Depth**

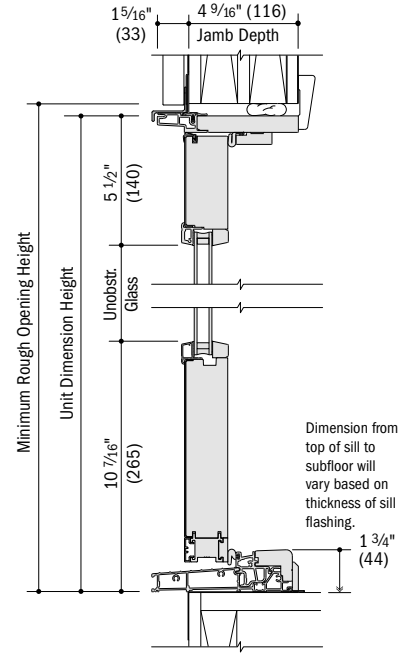
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



**Horizontal Section**



**Horizontal Section**  
Two-Panel



**Vertical Section**

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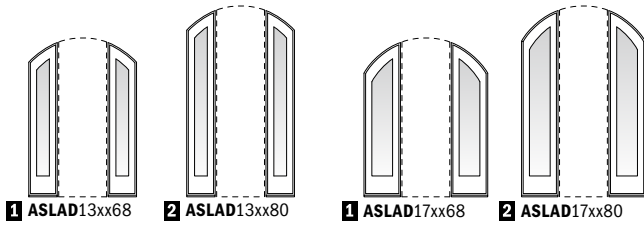
- 4 9/16" (116) jamb depth measurements are from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Dimensions in parentheses are in millimeters.





# COMPLEMENTARY CURVED TOP PATIO DOORS

## Complementary Arch Patio Door Sidelights

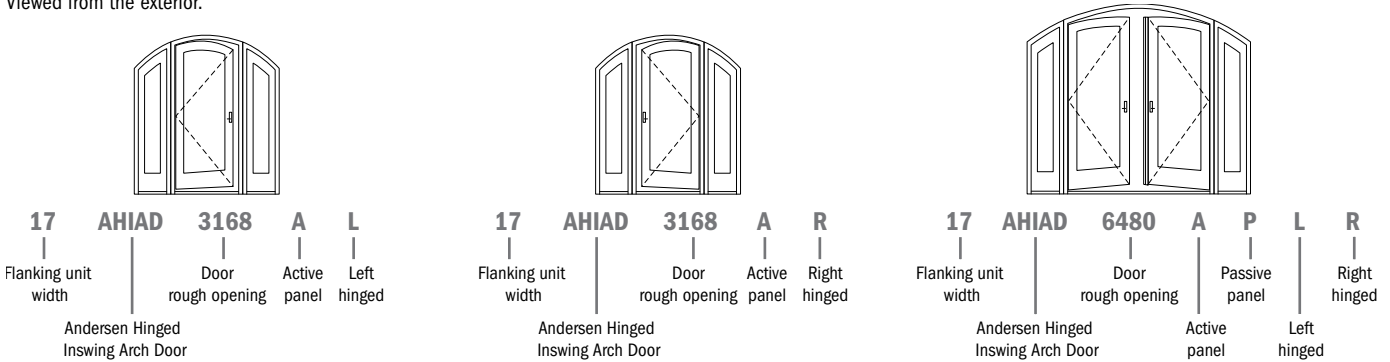


Custom sized in 1/8" (3) increments.

Standard sizes in two widths and heights. Contact your Andersen supplier for sidelight dimensions and specifications. Sash-set arch patio door sidelights, shown, are standard. Direct-set sidelights are available by special order.

## Order Designation Description

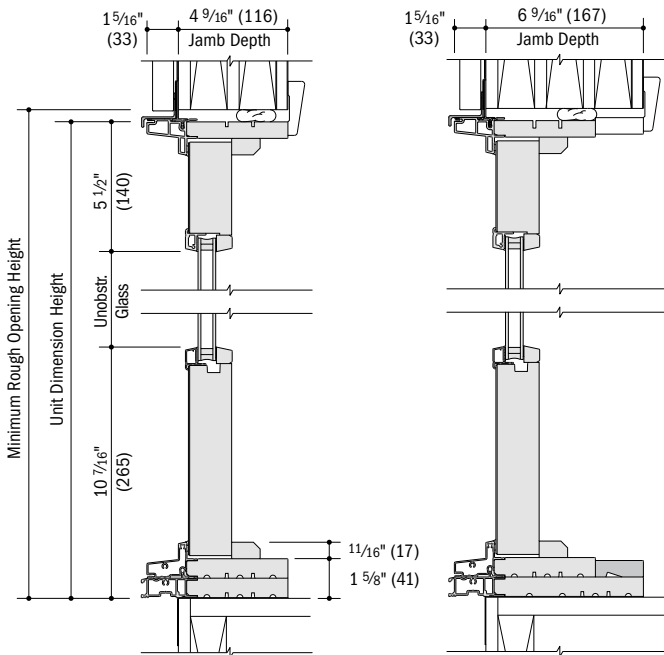
Viewed from the exterior.



Arch inswing patio doors (AHIA D) shown above, for arch outswing patio doors use AOAD. Outswing patio doors open outward to the exterior.

## Complementary Arch Patio Door Sidelight Details

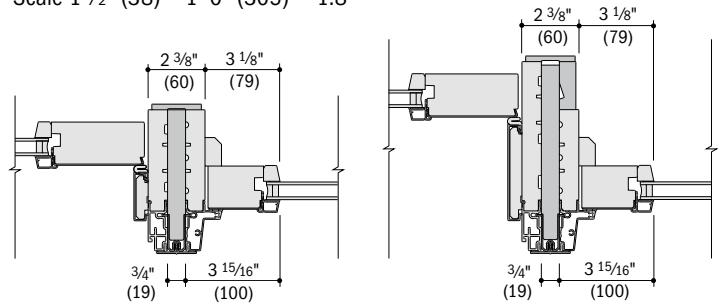
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Vertical Sections

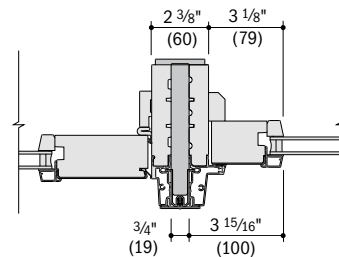
## Vertical Joining Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Complementary Arch Inswing Patio Door to Complementary Arch Patio Door Sidelight  
4 9/16" (116) Jamb Depth

Complementary Arch Inswing Patio Door to Complementary Arch Patio Door Sidelight  
6 9/16" (167) Jamb Depth

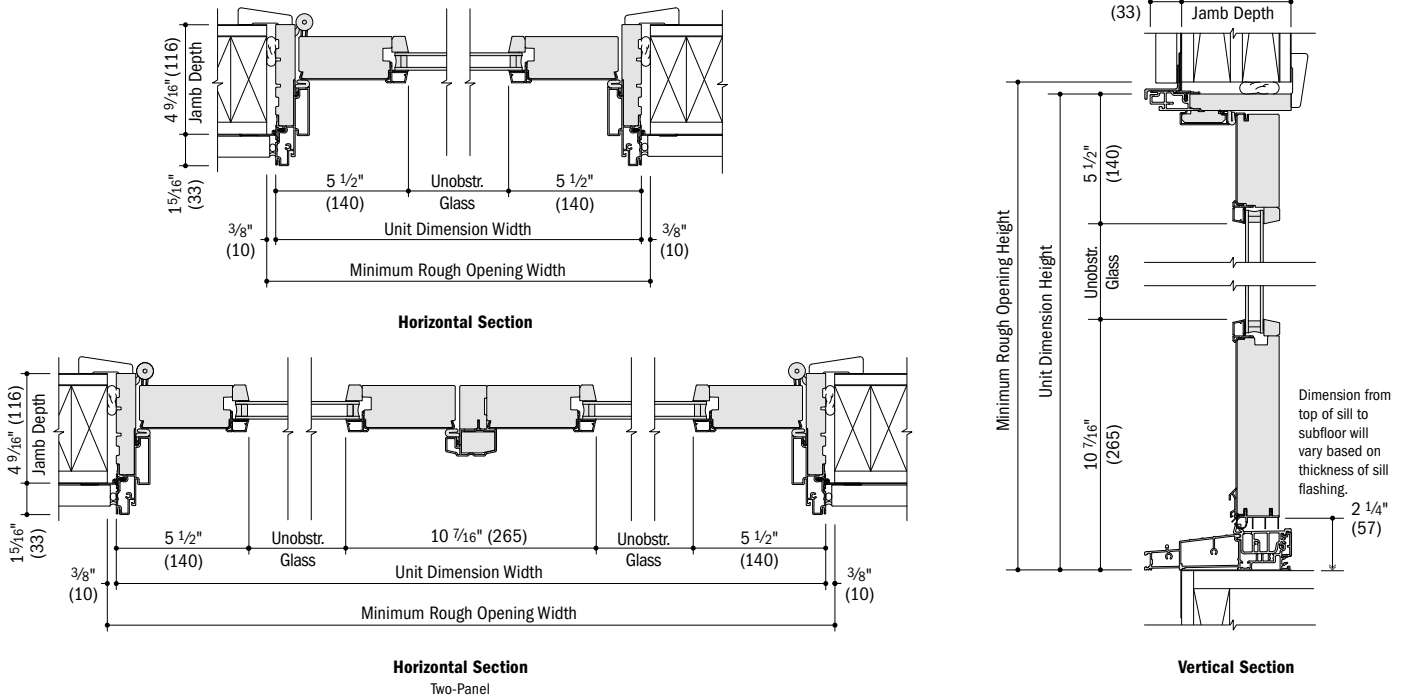


Complementary Arch Outswing Patio Door to Complementary Arch Patio Door Sidelight

- 4 9/16" (116) and 6 9/16" (167) jamb depth measurements are from back side of installation flange.
- Light-colored areas are parts included with window and/or door. Dark-colored areas are additional Andersen® parts required to complete window and/or door assembly as shown.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

**Complementary Arch Inswing Patio Door Details – 4 9/16" (116) Jamb Depth**

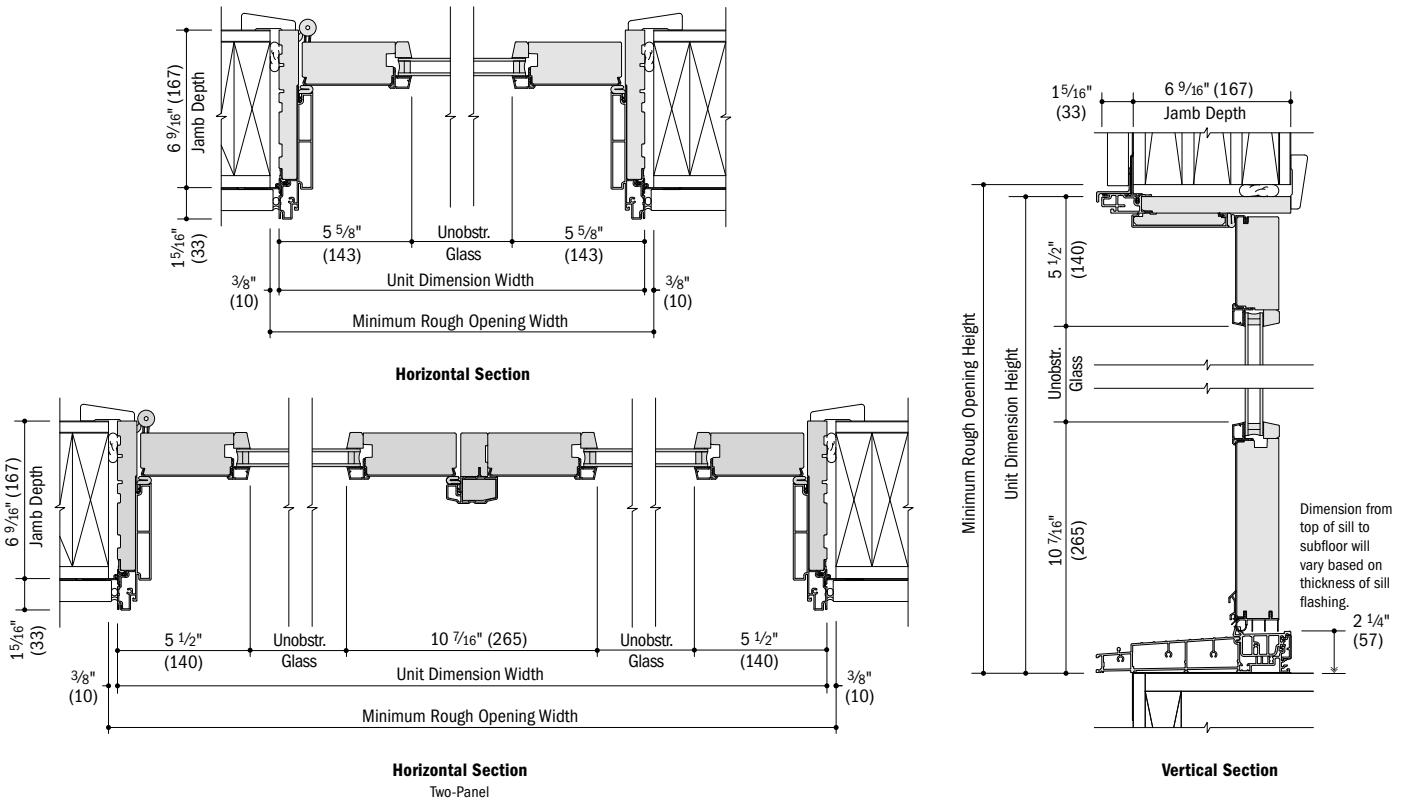
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



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**Complementary Arch Inswing Patio Door Details – 6 9/16" (167) Jamb Depth**

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

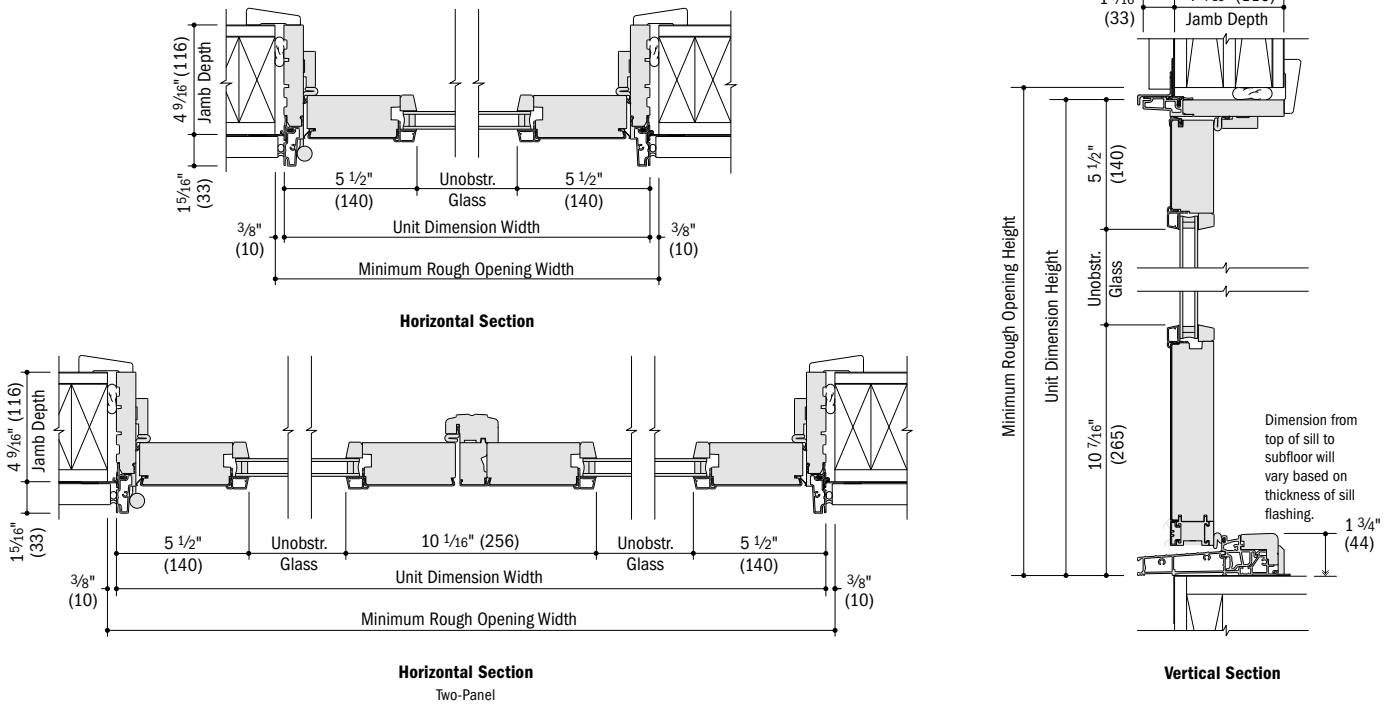


- 4 9/16" (116) and 6 9/16" (167) jamb depth measurements are from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

# COMPLEMENTARY CURVED TOP PATIO DOORS

## Complementary Arch Outswing Patio Door Details – 4 9/16" (116) Jamb Depth

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Dimensions in parentheses are in millimeters.



# WINDOW & DOOR EXTERIOR TRIM

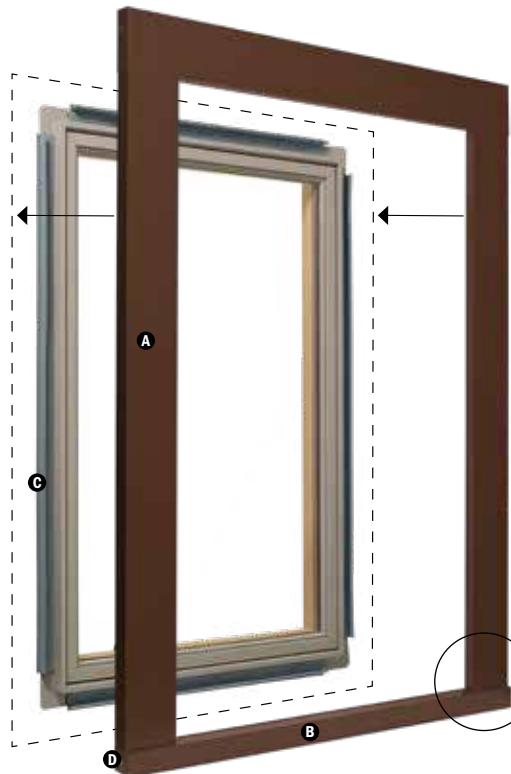
Exterior Trim

## SECTION REFERENCE

3½" & 4½" Flat Detail .....	176
Brick Mould Detail .....	177
Sill Nose Detail.....	177
Decorative Drip Cap Detail .....	178
2" & 3⅝" Cornice Detail.....	178
Mull Cover Detail.....	178

# EXTERIOR TRIM

## FEATURES



Cocoa Bean trim with Sandtone window

## ANDERSEN INNOVATION

- A** For exceptional long-lasting\* performance, exterior trim is made from Fibrex® material or high-density urethane with low-maintenance exterior finishes.
- B** Sill nose profile, made from Fibrex material, is available for a traditional look.
- C** Trim is securely fastened to the home using factory-applied or field-applied attachment flange.
- D** Trim surrounds are assembled with corner keys and stainless fasteners for stability and strength.



Our Fibrex material is an environmentally smart composite that contains 40% pre-consumer reclaimed wood fiber by weight.

### Visualizer & Video

An online trim visualizer and installation guides are available at [andersenwindows.com/exteriortrim](http://andersenwindows.com/exteriortrim).

## PROFILES



**2" (51) Brick Mould**  
Canvas trim with Sandtone window.



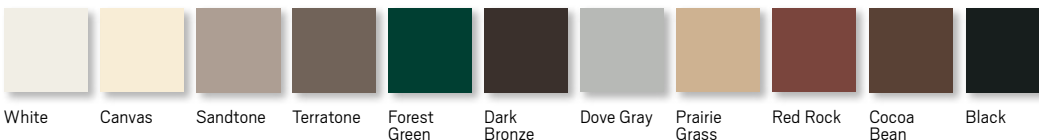
**3 1/2" (89) or 4 1/2" (114) Flat**  
Shown with extended head. Red Rock trim with Sandtone window.



**3 1/2" (89) or 4 1/2" (114) Flat**  
Terratone trim with Sandtone window.

## COLORS

Trim can match or complement your window and door colors to create a wide range of combinations.



\* See the A-Series Limited Warranty for exterior trim applied to A-Series products. Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details. Dimensions in parentheses are in millimeters. Printing limitations prevent exact duplication of colors. See your Andersen supplier for actual color samples.

## Exterior Trim System

### Easier Installation

- Installs independently of water management system
- No nail holes to fill
- No visible fasteners
- No painting

### Profiles

Exterior trim is available in four profiles made from our Fibrex material. Profiles include 3 1/2" (89) flat, 4 1/2" (114) flat, 2" (51) brick mould, and sill nose for the bottom trim piece.

Thick trim profiles overlap the window frame (as shown to the left) to create clean lines without visible sealant joints.

### Drip Cap

Full-length, color-matched aluminum drip cap is included with kits and surrounds.

### End Caps

Provide a clean appearance when joining two trim members.

### Corner Keys

Provide tight alignment of corner joints.

### Fasteners

Screws are made of high-quality stainless steel and provide corner joints with a secure, tight fit.

### Head Trim Options

Three styles are available. All can be used with our flat trim and include an integrated nailing flange. The decorative drip cap is made from our Fibrex material. Both the 2" (51) cornice and 3 5/8" (92) cornice are made from highly durable urethane material. See head trim options on page 175.

### Specialty Trim



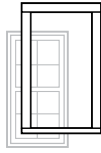
Made of highly durable factory-finished urethane material for selected shapes. Contact your Andersen supplier for availability.



**Installation Options**

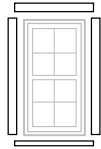
**Preassembled Trim Surrounds**

Factory-assembled surrounds install in seconds on A-Series windows with optional factory-applied exterior trim flange.



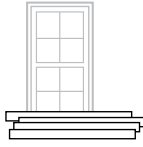
**Precut Kits**

Knock down kits include precut and predrilled trim with all the necessary components for on-site assembly for windows and patio doors up to 12' (3658) in width or height.



**Individual Trim Components**

13' (3962) factory-finished trim lineals, end caps, corner keys, fasteners, metal drip caps and field attachment strips allow for field fabrication and assembly.



**ACCESSORIES** Sold Separately

**Fibrex® Trim Board**



Andersen offers a 3 1/2" (89) wide by 3/4" (19) thick cellular Fibrex trim board in 10' (3048) lengths. Available in the same 11 colors as the exterior trim system, this solid trim board can be ripped to size and can be fastened using nails or screws.

**Coil Stock**



Factory-finished in any of our 11 exterior trim colors, our aluminum coil stock allows you to form your own profiles in the field. Made from .018-thick aluminum, coil stock is available in 24" (610) x 50' (15240) rolls. Color-matched stainless steel trim nails are also available and can be ordered in 1 lb or .454 kg boxes.

**HEAD TRIM OPTIONS**



**Decorative Drip Cap**  
Shown with 3 1/2" Flat, Forest Green trim with Sandtone window.



**2" (51) Cornice**  
Shown with 3 1/2" Flat, Prairie Grass trim with Sandtone window.



**3 5/8" (92) Cornice**  
Shown with 3 1/2" Flat, White trim with Sandtone window.

**SILL OPTIONS**

Mix and match trim to create a variety of combinations. Not all sill options are shown.



**Brick Mould**  
Shown with extended sill nose. Terratone trim with White window.



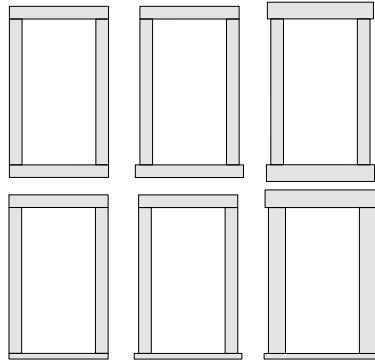
**3 1/2" (89) or 4 1/2" (114) Flat**  
Shown with extended sill nose. Terratone trim with Red Rock window.



**3 1/2" (89) 4 1/2" (114) Flat**  
Shown with 3 1/2" Flat, White trim with White window.

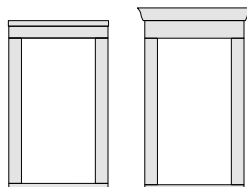
**TRIM COMBINATIONS**

**3 1/2" (89) Flat or 4 1/2" (114) Flat**



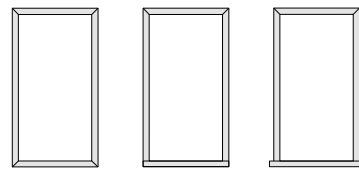
Flat trim can be used on all four sides either flush or extended at the head or sill. Combine 3 1/2" (89) and 4 1/2" (114) flat trim or use with a flush or extended sill nose.

**Decorative Drip Cap and Cornices**



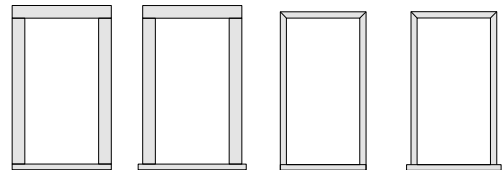
Decorative drip cap or cornices can be used above flat trim at the head.

**Brick Mould**



Brick mould can be used on all four sides or with a flush or extended sill nose.

**Sill Nose**



Sill nose can be used with flat trim or brick mould. It can be applied flush or extended at the sill.

**Not all trim options and/or combinations are shown. Contact your Andersen supplier for more information.**

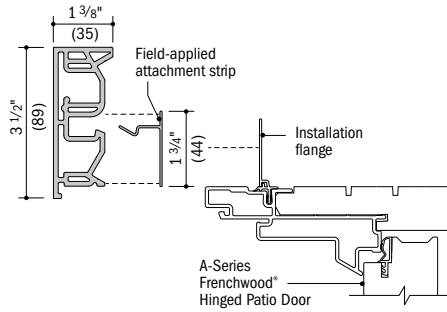
Dimensions in parentheses are in millimeters. Printing limitations prevent exact duplication of colors. See your Andersen supplier for actual color samples.

# EXTERIOR TRIM

## Window and Patio Door Attachment

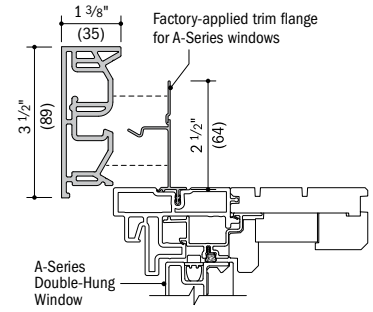
### Field-Applied Attachment Strip

Field-applied attachment strip fastens to framing through window or patio door installation flange and flashing tape with screws. Exterior trim connects securely to the field-applied attachment strip. Follow window & patio door installation guides for flashing instructions.



### Factory-Applied Trim Flange

Factory-applied trim flanges are also available. Exterior trim connects securely to the trim flange already in place.



## 3 1/2" Flat and 4 1/2" Flat

3 1/2" (89) flat with flush corner

4 1/2" (114) flat with 1" (25) extended corner

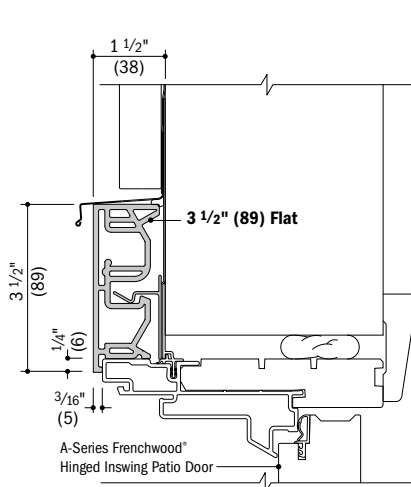
End caps are handed as viewed from the exterior.

For A-Series patio doors, end caps are used at the sill.

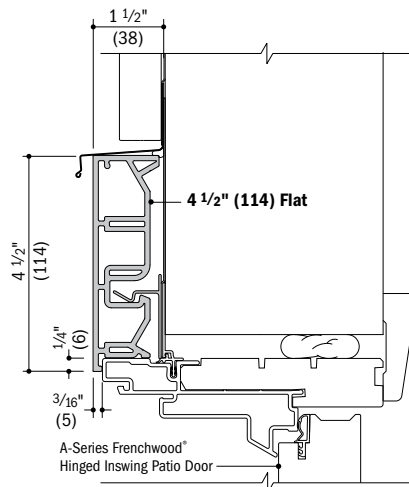
Formula for dimension of window/door plus exterior trim:  
**Add 4 1/4" (108) per side for 4 1/2" (114) flat**  
**Add 3 1/4" (83) per side for 3 1/2" (89) flat**

## Trim Details

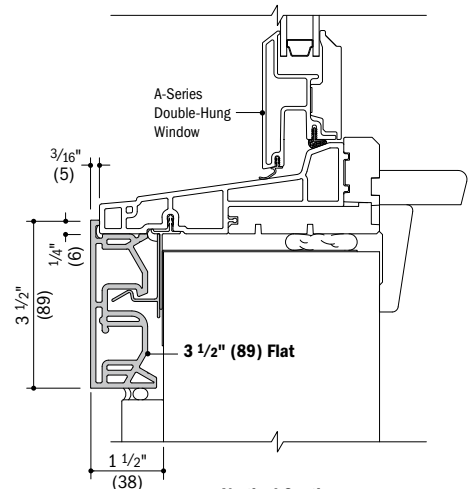
Scale 3" (76) = 1'-0" (305) – 1:4



**Vertical Section**  
3 1/2" (89) Flat Trim at Head  
A-Series Frenchwood Hinged Inswing Patio Door



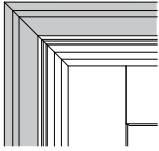
**Vertical Section**  
4 1/2" (114) Flat Trim at Head  
A-Series Frenchwood Hinged Inswing Patio Door



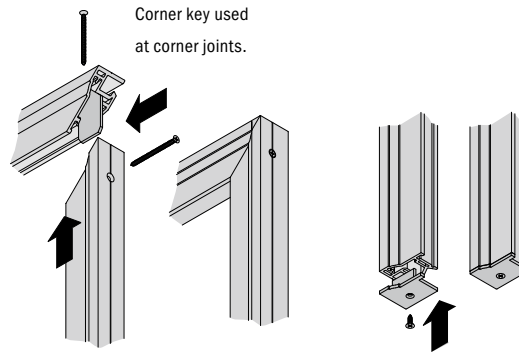
**Vertical Section**  
3 1/2" (89) Flat Trim at Sill  
A-Series Double-Hung Window

- Typical trim combinations shown. Additional combinations may also be used. Some restrictions apply. For more information contact your Andersen supplier.
- Dimensions in parentheses are in millimeters.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

### Brick Mould



Brick mould with mitered corners



Corner key used at corner joints.

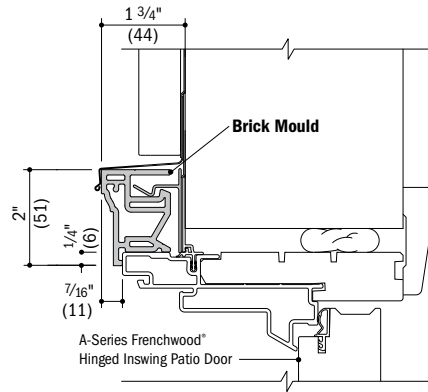
For A-Series patio doors, end caps are used at the sill.

Formula for dimension of window/door plus exterior trim:

**Add 1 3/4" (44) per side for brick mould**

### Trim Details

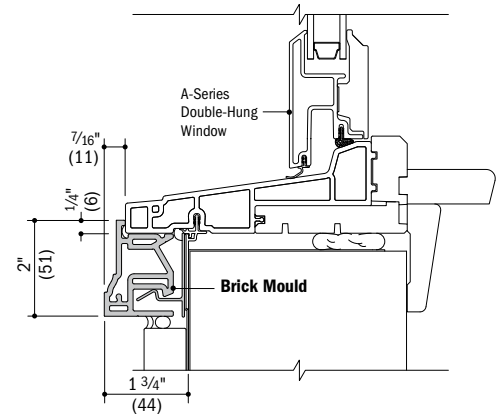
Scale 3" (76) = 1'-0" (305) – 1:4



**Vertical Section**

Brick Mould at Head

A-Series Frenchwood® Hinged Inswing Patio Door



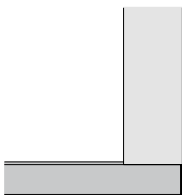
**Vertical Section**

Brick Mould at Sill

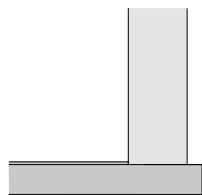
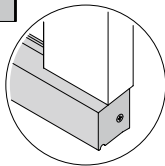
A-Series Double-Hung Window

Exterior Trim

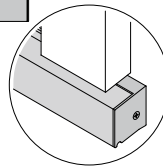
### Sill Nose



Sill nose and 3 1/2" (89) flat with flush corner

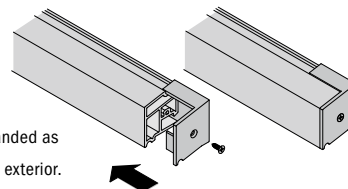


Sill nose and 3 1/2" (89) flat with 1" (25) extended corner



Formula for dimension of window plus exterior trim:

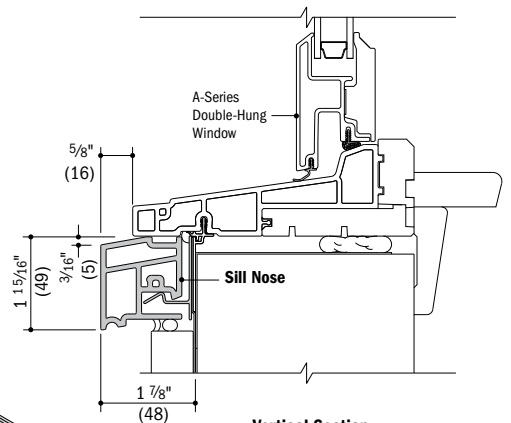
**Add 1 15/16" (49) for sill nose**



End caps are handed as viewed from the exterior.

### Trim Detail

Scale 3" (76) = 1'-0" (305) – 1:4



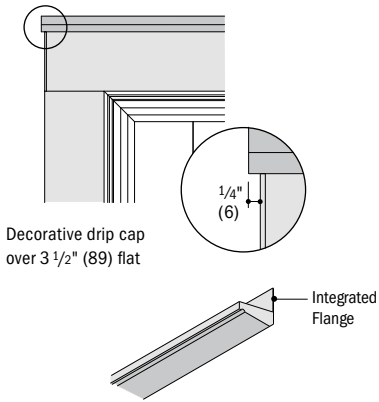
**Vertical Section**

Sill Nose/A-Series Double-Hung Window

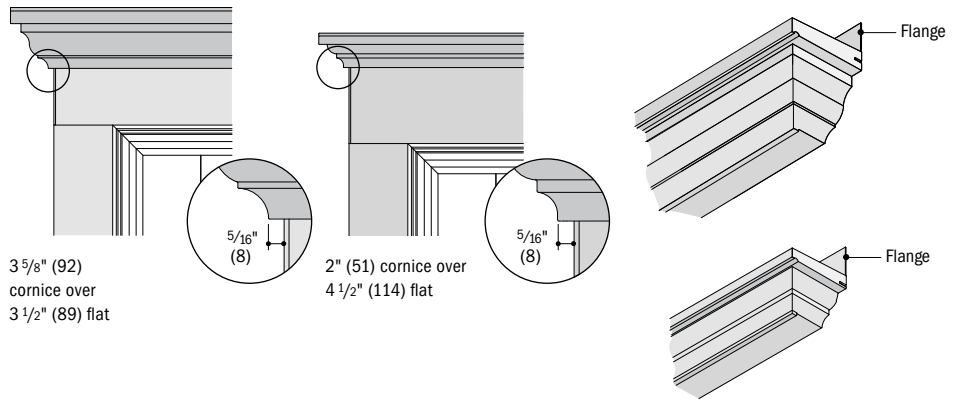
- Typical trim combinations shown. Additional combinations may also be used. Some restrictions apply. For more information contact your Andersen supplier.
- Dimensions in parentheses are in millimeters.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at [andersenwindows.com](http://andersenwindows.com).

# EXTERIOR TRIM

## Decorative Drip Cap

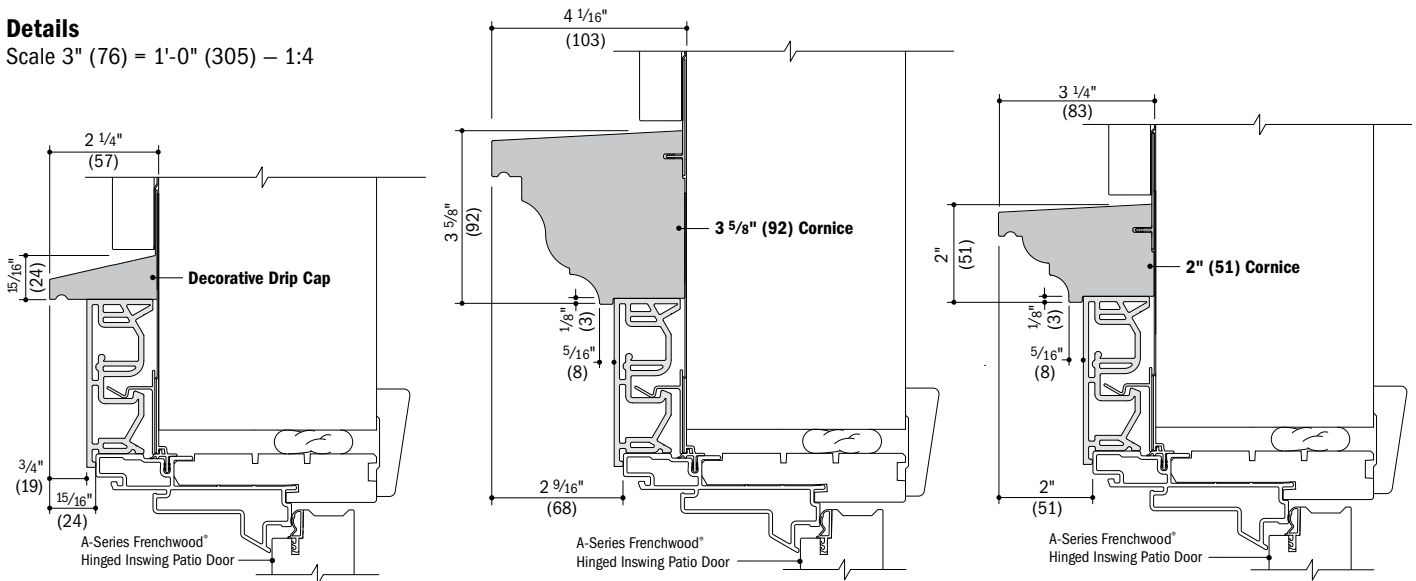


## Cornices



## Details

Scale 3" (76) = 1'-0" (305) - 1:4



### Vertical Section

Decorative Drip Cap over 3 1/2" (89) Flat  
A-Series Frenchwood® Hinged Inswing Patio Door

### Vertical Section

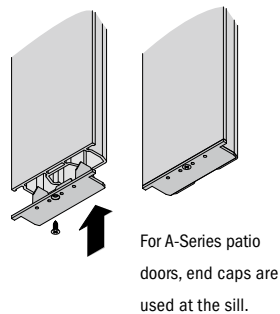
3 5/8" (92) Cornice over 3 1/2" (89) Flat  
A-Series Frenchwood® Hinged Inswing Patio Door

### Vertical Section

2" (51) Cornice over 3 1/2" (89) Flat  
A-Series Frenchwood® Hinged Inswing Patio Door

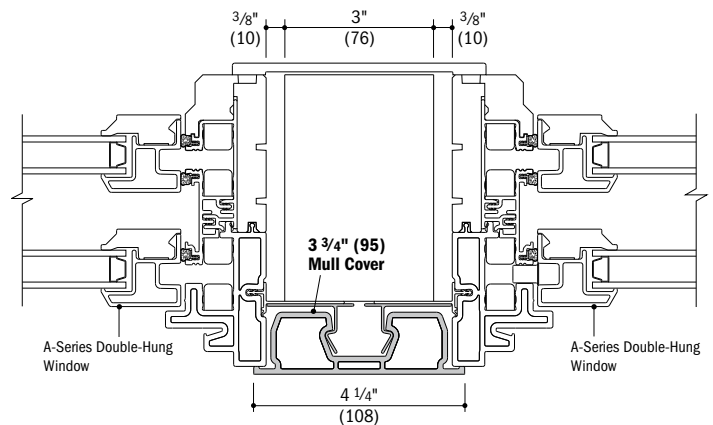
## Mull Cover

3 3/4" (95) mull cover is available for installations where windows or patio doors have been installed into separate rough openings to obtain a joined appearance.



## Separate Rough Opening Detail

Scale 3" (76) = 1'-0" (305) - 1:4



### Horizontal Section

A-Series Double-Hung Windows with Mull Cover

- Typical trim combinations shown. Additional combinations may also be used. Some restrictions apply. For more information contact your Andersen supplier.
- Dimensions in parentheses are in millimeters.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at [andersenwindows.com](http://andersenwindows.com).
- Consult with an architect or structural engineer regarding minimum requirements for structural support members between adjacent rough openings.

# FOLDING DOORS

**CUSTOM SIZING**  
in 1/8" (3) increments



Folding Doors

## SECTION REFERENCE

Styles & Sizes .....	182
Door Details .....	183-184
Product Performance.....	206

Dimensions in parentheses are in millimeters.

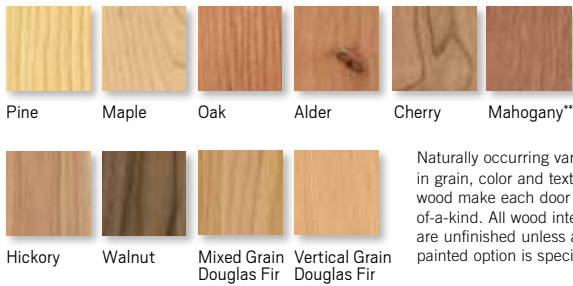
# FOLDING DOORS

## EXTERIOR CLAD Custom colors available.



## INTERIOR

### WOOD SPECIES Additional wood species available.



Naturally occurring variations in grain, color and texture of wood make each door one-of-a-kind. All wood interiors are unfinished unless a painted option is specified.

### PAINTED OPTIONS Available on pine.



## HARDWARE FINISHES



Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use. Bright brass and satin nickel finishes feature a 10-year limited warranty.

## HARDWARE OPTIONS Sold separately.

FSB® STAINLESS STEEL HARDWARE IS ALSO AVAILABLE. Sold separately, see page 10 for more information.



*Bold name denotes finish shown.*

\* Actual wood specie is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. Printing limitations prevent exact duplication of colors and finishes. See your Andersen supplier for actual color and finish samples.

Tribeca and Albany hardware are zinc diecast with powder-coated durable finish. Other hardware is solid forged brass. Mix and match interior and exterior style and finish options are available.



## FEATURES

When closed, these folding outswing doors create a stately wall of light. When open, they transform a room into a gateway to the world outside. With standard or custom panel designs, configurations up to 48' (14630) wide and operating modes that let you open the doors from the left, right or center, Andersen® folding outswing doors will impress even the most demanding customers.

### Frame

**A** Heavy-duty extruded aluminum cladding protects the exterior from the elements. Both frame and panels are available with wood exteriors as a special product request.

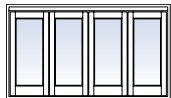
**B** The engineered wood frame members are treated with a water-repellent wood preservative for long-lasting\* protection and performance.

### Panel

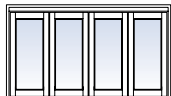
The aluminum-clad panel has a dual weatherstrip design at the bottom and along the panel edges, providing a weathertight seal. Available in traditional style with two bottom rail heights of 8" (203) and 12" (305) and a contemporary style with 4 11/16" (119) stiles and rails.

### Panel Styles

Available in two traditional styles with bottom rail heights of 8" (203) and 12" (305) and a contemporary style with equal stiles and rails.



Traditional, 8" (shown) or 12" Bottom Rail



Contemporary

### Glass

Panels are silicone bed glazed and finished with an interior wood stop.

High-Performance glass options include:

- Low-E4® tempered glass
- Low-E4 HeatLock® tempered glass
- Low-E4 Sun tempered glass
- Low-E4 SmartSun™ tempered glass
- Low-E4 SmartSun HeatLock tempered glass

Additional glass options are available. Contact your Andersen supplier.

A removable translucent film helps shield the glass from damage during delivery and construction and also simplifies finishing at the jobsite.



### Exterior Finish

The aluminum exterior frame and clad panels feature a durable, low-maintenance AAMA 2605 finish.

### Sill

Three sill options are available:

**C** The on-floor drainage sill offers a PG 40 rating for sizes up to 24' (7315) wide and 8' (2438) and PG 30 rating for sizes up to 24' (7315) wide and 10' (3048) tall, and is available in painted gray or dark bronze.

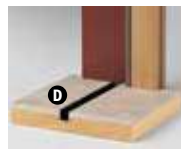
**D** The flush sill option places the track even with the finished floor.

**E** The on-floor low-threshold sill option provides easy accessibility. Available in painted gray or dark bronze.

### On-Floor Drainage Sill



### Flush Sill



### On-Floor Low-Threshold Sill



### Hardware

#### Multi-Point Locking System



The folding door has a multi-point locking system with a hook bolt above and below the center deadbolt along with flush bolts on the non-active panels that lock into the head and sill. This system provides a weathertight seal and enhanced security. The flush bolts and pull handles are available in a matte black or satin stainless steel finish.

#### Pull Handle



#### Flush Bolt



### Exterior Trim

#### Wood Brick Mould

Wood brick mould is pre-applied and comes standard on wood folding doors. See page 183 for details.

## ACCESSORIES Sold Separately

### Frame

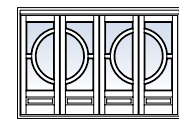
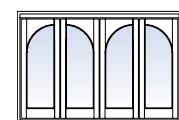
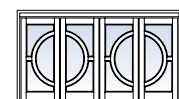
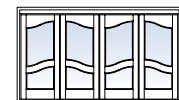
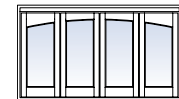
#### Extension Jamb

Standard jamb depth is 6 3/16" (167). Interior extension jamb are available in 1/16" (1.5) increments between 5 1/16" (129) and 12" (305).

#### Custom Panels\*\*

Rectangular panels are available with virtually any design. See your Andersen supplier for details.

#### Custom Panel Examples



### Exterior Trim

#### Aluminum Brick Mould

Aluminum brick mould is optional for clad folding doors. See page 183 for details.

#### Insect Screens

Retractable insect screens are available, contact your Andersen supplier for details.

### Hardware

See pages 10-11 for hardware styles and finish options, including new FSB® hardware.

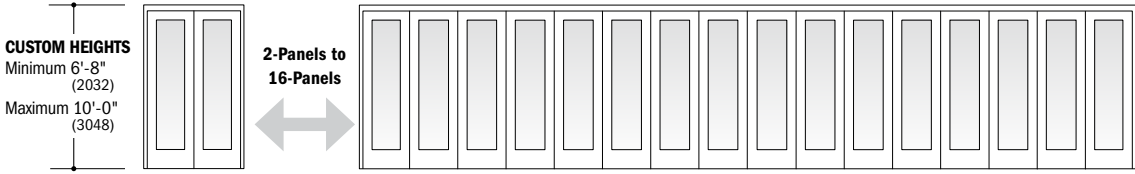
\* Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

\*\* Custom panels utilize a different product design that includes the use of a proud glazing bead. Dimensions in parentheses are in millimeters

# FOLDING DOORS

## Folding Door Styles and Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96



### CUSTOM WIDTHS

Number of Panels	Minimum to Maximum	Number of Panels	Minimum to Maximum	Number of Panels	Minimum to Maximum
2-Panel	3'-2 1/4" (972) to 6'-8 1/8" (2035)	7-Panel	10'-9 1/4" (3283) to 22'-11 7/8" (7007)	12-Panel	18'-5 1/8" (5617) to 39'-4 1/8" (11992)
3-Panel	4'-8 5/8" (1438) to 9'-11 1/4" (3029)	8-Panel	12'-4 1/2" (3772) to 26'-3 1/8" (8004)	13-Panel	19'-10 1/4" (6052) to 42'-7 1/8" (12983)
4-Panel	6'-3 7/8" (1927) to 13'-2 1/4" (4020)	9-Panel	13'-9 3/8" (4207) to 29'-6 1/2" (9004)	14-Panel	21'-5 3/8" (6537) to 45'-10 1/2" (13983)
5-Panel	7'-9" (2362) to 16'-5 5/8" (5020)	10-Panel	15'-4 3/4" (4693) to 32'-9 7/8" (10004)	15-Panel	22'-10 1/4" (6966) to 48'-0" (14630)
6-Panel	9'-9 1/8" (2975) to 19'-8 3/4" (6013)	11-Panel	16'-9 7/8" (5128) to 36'-0 3/4" (10992)	16-Panel	24'-4 7/8" (7439) to 48'-0" (14630)

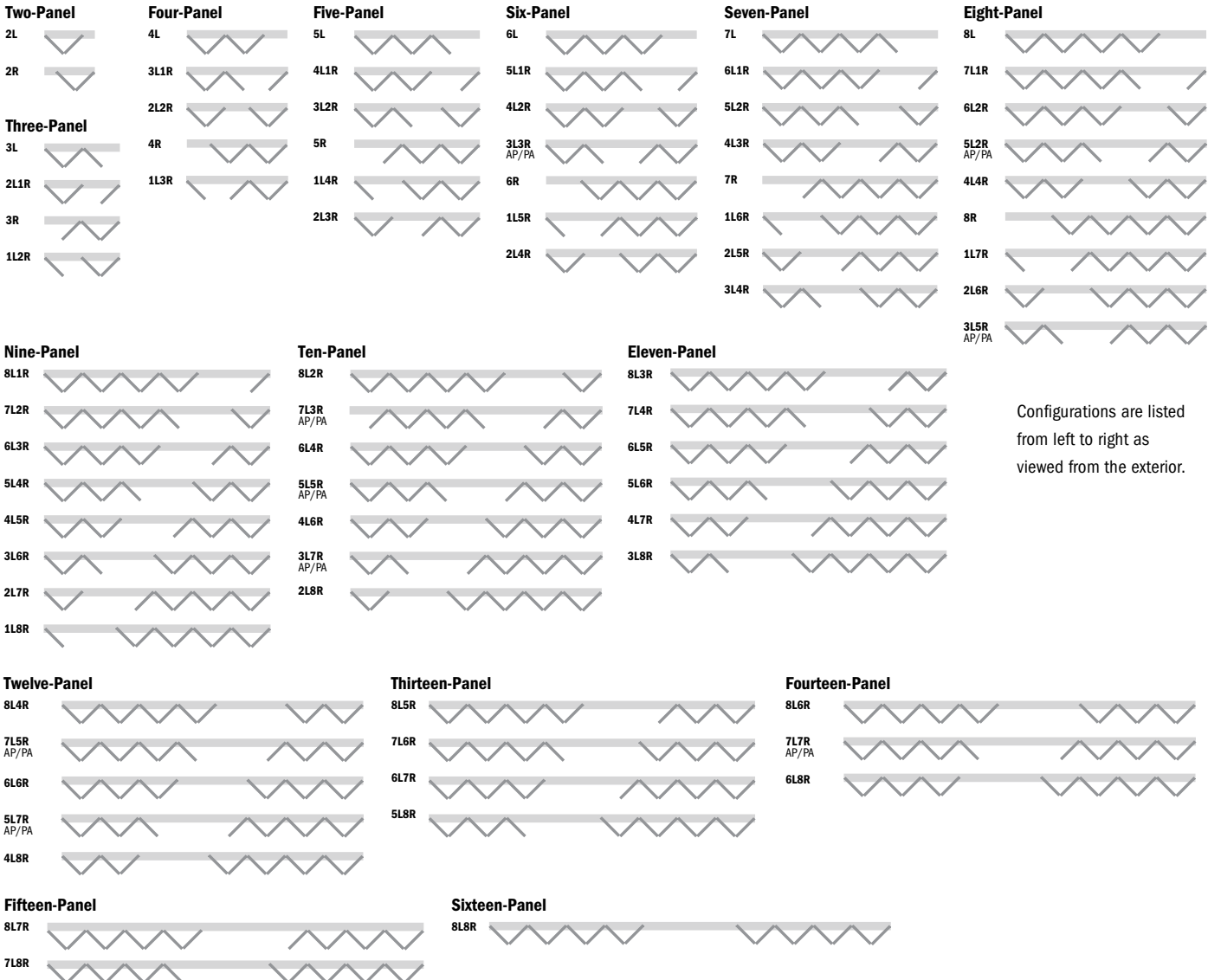
- "Minimum to Maximum" door width dimensions refers to frame to frame dimension.
- Dimensions in parentheses are in millimeters.



Custom sized in 1/8" (3) increments. Contact your Andersen supplier for additional dimensions and specifications.

Doors open to the exterior. Traditional panel shown, see page 181 for additional panel styles.

## Panel Configurations



Configurations are listed from left to right as viewed from the exterior.



**Design Criteria**

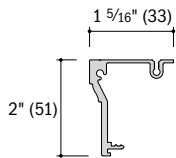
To allow for proper performance and operation, verify the structural integrity of the header such that the maximum deflection with live and dead loads is limited to the lesser of L/750 of the span and 1/4" (6). The maximum weight per panel with Low-E4<sup>®</sup>, SmartSun<sup>™</sup> or Sun glass is 200 pounds or 90 kg. Weights using alternate glazings will need to be provided by Andersen.

**Construction**

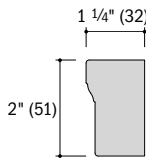
The standard construction of the folding door is an aluminum clad exterior with a rich wood interior. Clad folding door details are shown. Wood folding doors are also available, visit [andersenwindows.com/foldingdoors](http://andersenwindows.com/foldingdoors) for more information.

**Exterior Trim**

Choose optional aluminum brick mould for clad folding doors; wood brick mould is standard on wood folding doors.



**Optional Aluminum Brick Mould**  
Clad Folding Doors

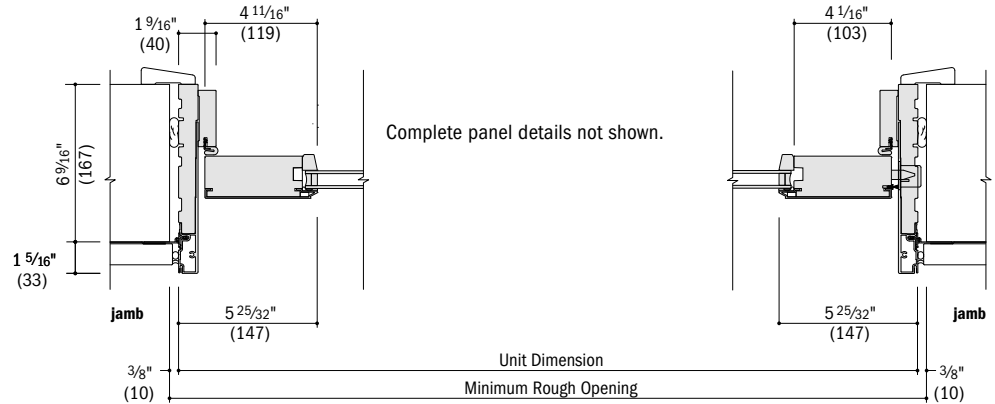


**Wood Brick Mould**  
Wood Folding Doors

- 6 9/16" (167) jamb depth measurement is from backside of installation flange to inside edge of door frame.
- Light-colored areas are included with the door unit. Dark-colored areas are additional Andersen<sup>®</sup> parts required to complete door assembly as shown and must be specified.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.
- Details are for illustration only and are not intended to represent complete or appropriate product installation methods or materials for application. Refer to product installation guide.
- Dimensions in parentheses are in millimeters.
- Clad folding door details are shown. Wood folding door details are available at [andersenwindows.com/foldingdoors](http://andersenwindows.com/foldingdoors).

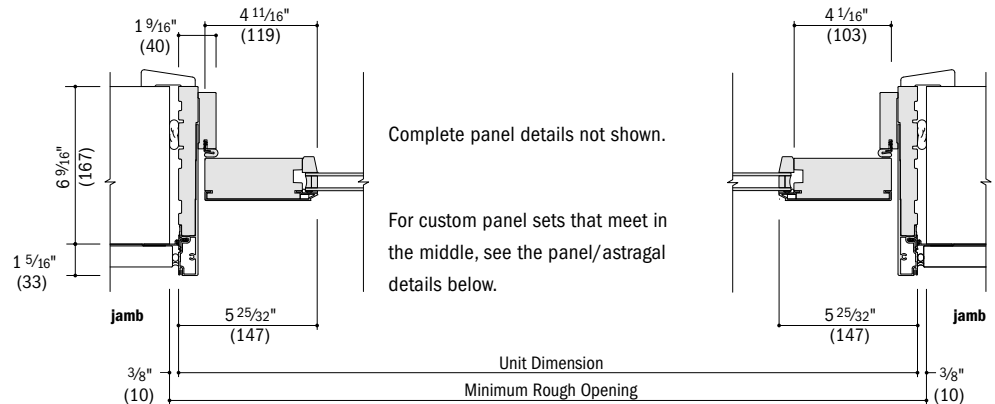
**Folding Doors – Traditional/Contemporary Panel Details**

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Complete panel details not shown.

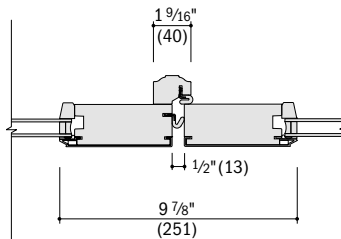
**Horizontal Section**  
Stationary Jamb/Operating Jamb



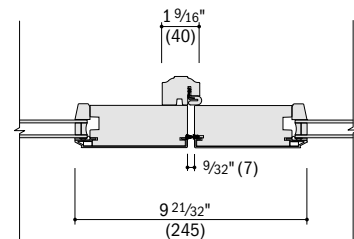
Complete panel details not shown.

For custom panel sets that meet in the middle, see the panel/ astragal details below.

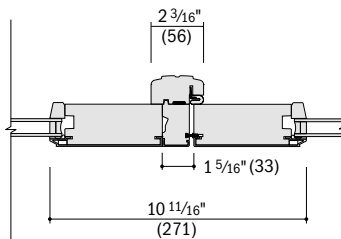
**Horizontal Section**  
Stationary Jamb/Stationary Jamb



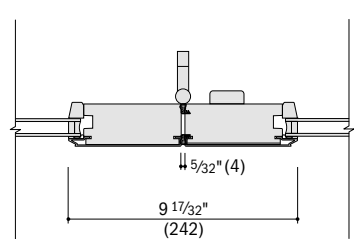
**Horizontal Section**  
Astragal, Leading/Leading



**Horizontal Section**  
Astragal, Leading/Active



**Horizontal Section**  
Astragal, Passive/Active



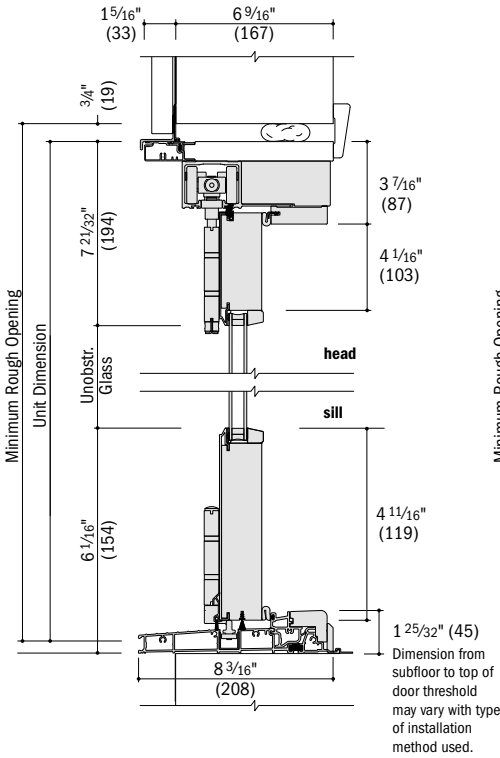
**Horizontal Section**  
Hinge

Folding Doors

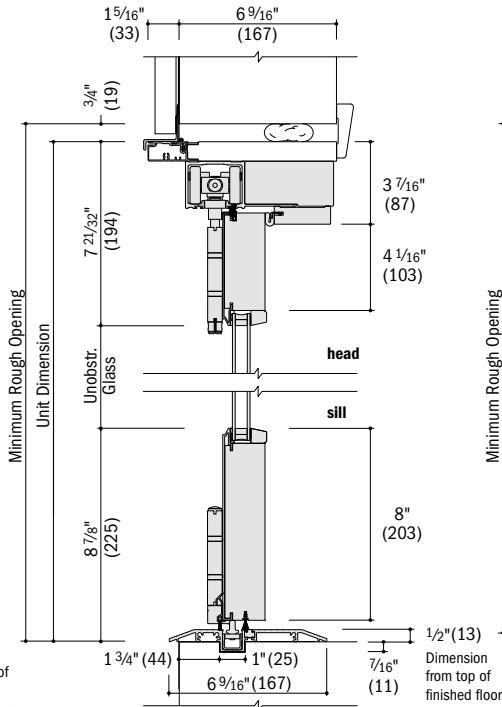
# FOLDING DOORS

## Folding Doors - Traditional Panel Details

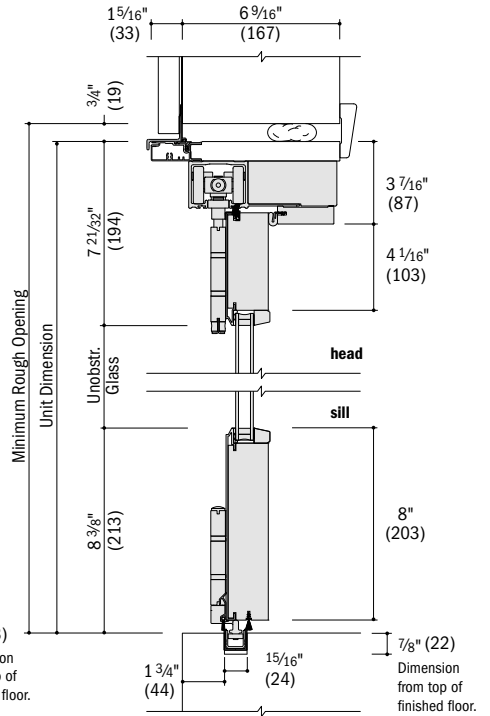
Scale 1 1/2" (38) = 1'-0" (305) - 1:8



**Vertical Section**  
Traditional Panel, On-Floor Drainage Sill



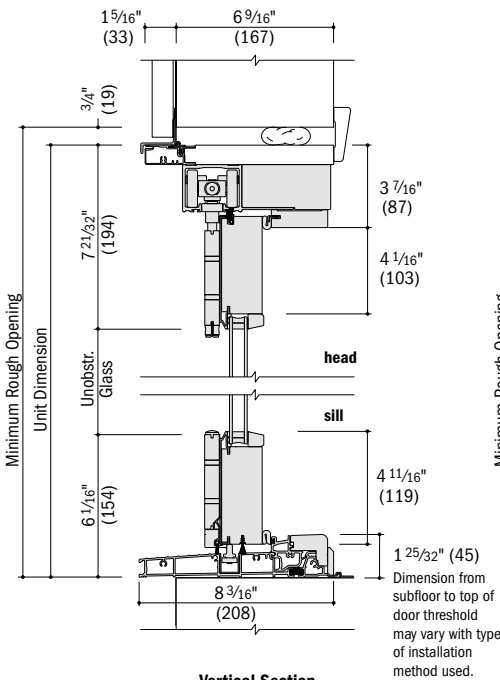
**Vertical Section**  
Traditional Panel, On-Floor Low-Threshold Sill



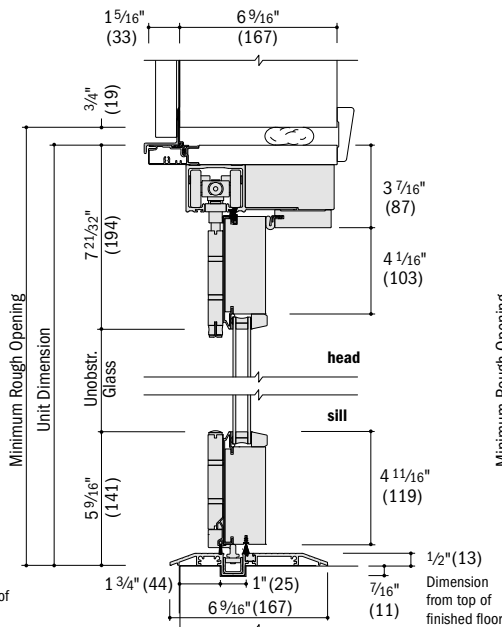
**Vertical Section**  
Traditional Panel, Flush Sill (track-in-floor)

## Folding Doors - Contemporary Panel Details

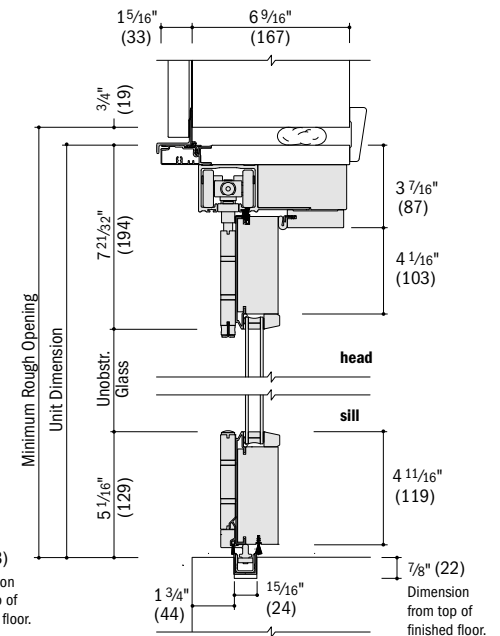
Scale 1 1/2" (38) = 1'-0" (305) - 1:8



**Vertical Section**  
Contemporary Panel, On-Floor Drainage Sill



**Vertical Section**  
Contemporary Panel, On-Floor Low-Threshold Sill



**Vertical Section**  
Contemporary Panel, Flush Sill (track-in-floor)

- 6 9/16" (167) jamb depth measurement is from back side of installation flange to inside edge of door frame.
- Light-colored areas are included with the door unit. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown and must be specified.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent complete or appropriate product installation methods or materials for application. Refer to product installation guide.
- Dimensions in parentheses are in millimeters.
- Clad folding door details are shown. Wood folding door details are available at [andersenwindows.com/foldingdoors](http://andersenwindows.com/foldingdoors).

# ENTRANCEWAYS



## SECTION REFERENCE

### Residential Springline™ Entry Doors

Door Dimensions &  
Specifications ..... 187

Door Details ..... 188-189

### Residential Arch & Rectangular Entry Doors

Door & Sidelight  
Dimensions &  
Specifications ..... 190-193

Door & Sidelight Details... 194-196

Joining Details..... 197

### Entry Door Transoms

Transom Dimensions  
& Specifications ..... 198-199

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& Joining Details ..... 199-200

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Door & Sidelight  
Dimensions &  
Specifications ..... 202-203

Door & Sidelight Details..... 205

#### Product Performance..... 206

Dimensions in parentheses are in millimeters.

**CUSTOM SIZING**  
in 1/8" (3) increments



# RESIDENTIAL ENTRY DOORS

## FEATURES

### Frame

**A** Heavy-duty extruded aluminum cladding protects the frame exterior, providing low-maintenance durability. Standard cladding finish meets AAMA 2604. An optional finish that meets the AAMA 2605 standard is also available.

Installation flange extends 1 1/2" (38) around three sides of the unit to help properly position the unit in the opening. Installation clips are standard for increased structural anchoring to building members. Mounted around the frame perimeter, the clips rotate into position and can be bent into place against the framing members to suit all jamb conditions.

**B** Wood frame members are treated with a water-repellent wood preservative for long-lasting\* protection and performance. Radii are made of laminated continuous veneers. Lineal components are engineered wood with a pine core.

**C** Extruded aluminum sill is thermally broken and available in painted bronze or gray finish. Innovative sill design provides superior water management. Standard outswing sills have an oak cap. Maple or mahogany\*\* are optional. Inswing sills have an interior wood trim strip to match the interior finish.

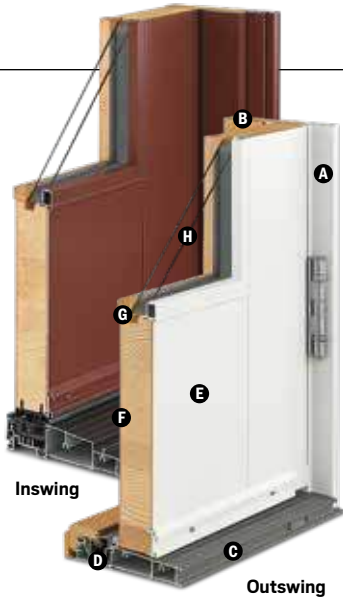
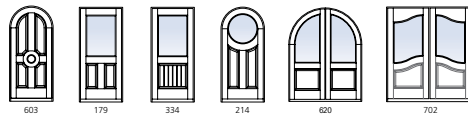
**D** One-piece compression weatherstripping at the frame sides and head protects against air and water infiltration. Flexible thermoplastic sweep is featured at the bottom of the panel on inswing units. Outswing doors also feature a polypropylene rain skirt at the panel sides and top for added protection.

### Panel

**E** Heavy-duty extruded aluminum cladding protects the panel exterior, providing low-maintenance durability. Panels also available without cladding.

### Panel Designs

For custom panel design ideas, visit [andersenwindows.com/entrydoors](http://andersenwindows.com/entrydoors).



**F** Panel interior surfaces are unfinished wood veneers. Available species are pine, maple, oak, alder, cherry, mahogany\*\*, hickory, walnut, along with mixed and vertical grain douglas fir. Available prefinished in all interior color options.

**G** Silicone glazing bead combined with two-sided silicone tape provides superior weathertightness.

### Glass

**H** High-Performance glass options include: Low-E4® tempered glass, Low-E4 HeatLock® tempered glass, Low-E4 Sun tempered glass, Low-E4 SmartSun™ tempered glass, Low-E4 SmartSun HeatLock tempered glass. Additional glass options are available. Contact your Andersen supplier.

A removable translucent film helps shield the glass from damage during delivery and construction and also simplifies finishing at the jobsite.

### Hardware

#### Multi-Point Locking System/Expanded Offering

Residential entry doors have a multi-point locking option with a hook bolt above and below the center deadbolt. This system provides a weathertight seal and enhanced security. Mix-and-match style and finish options are available to get just the right look inside and out. See pages 10-11.

#### Hinges

Ball-bearing hinges are standard on outswing entry doors and are available in stainless steel, dark bronze and white finishes to complement hardware trim sets.

Adjustable hinges are standard on inswing entry doors and have ball-bearing pivots for smooth, frictionless movement and feature easy horizontal and vertical adjustments, plus a quick-release feature for easy panel removal. This feature is ideal for transporting large units up stairs or to other hard-to-reach areas.

Gold dust finish is standard on wood interior doors. For units with a prefinished White interior, white finish hinges are standard. Also available in finishes that coordinate with most hardware.

#### Aftermarket Hardware

For hardware purchased separately, doors can be ordered predrilled for easy on-site installation. They can also be specified without hardware drilling.

#### Operation

Inswing and outswing units are available. Choose left-hinged, right-hinged or stationary as viewed from the exterior.

#### Sill

A low-threshold commercial sill is also available. See page 201.

## ACCESSORIES Sold Separately

### Frame

#### Extension Jamb

Inswing and outswing standard jamb depth is 4 3/8" (116). Inswing is also available in a 6 3/16" (167) jamb depth. Interior extension jambs are available in 1/16" (1.5) increments between 4 3/8" (116) and 7 1/8" (181). Additional dimensions are available. Contact your Andersen supplier for more information.

Interior extension jambs on inswing units will restrict the full opening of the door.

#### Casings

Curved interior casings are available in the same profiles as other Andersen® products. Curved exterior aluminum and wood casings are available in matching radii and a variety of profiles. See page 73.

### Hardware

#### Handle Extension

Handle extensions extend interior door handles an additional 1" (25) from the door panel to accommodate interior blinds or shades. A second extender may be added to the spindle to increase the length an additional 1" (25) to a 2" (51) total extension. Extenders and spindles are sold separately. Extenders are available in finishes that coordinate with hardware.

#### Exterior Keyed Lock

A six-pin key cylinder lock is available in styles and finishes that coordinate with hardware. This lock allows the door to be locked and unlocked from the exterior.

#### Hardware Options

See pages 10-11 for hardware styles and finish options, including new FSB® hardware. Hardware sold separately.

### Grilles & Art Glass

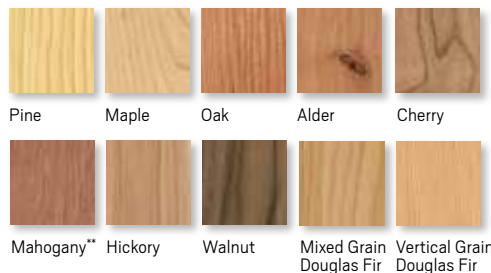
Grilles are available in a variety of configurations and widths. Decorative insulated art glass designs are available.

## EXTERIOR CLAD Custom colors available.



## EXTERIOR/INTERIOR

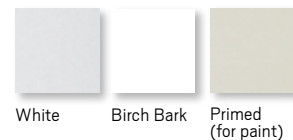
### WOOD SPECIES Additional wood species available.



Naturally occurring variations in grain, color and texture of wood make each door one-of-a-kind. All wood interiors are unfinished unless a painted option is specified. Printing limitations prevent exact duplication of colors and finishes. See your Andersen supplier for actual color and finish samples.

## INTERIOR

### PAINTED OPTIONS Available on pine.



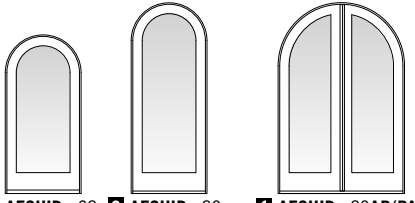
Canvas, Sandtone, Terratone, Forest Green, Dark Bronze, Dove Gray, Prairie Grass, Red Rock, Cocoa Bean and Black painted options are also available (colors shown to left).

\* Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.

\*\* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

Dimensions in parentheses are in millimeters.

"FSB" is a registered trademark of Franz Schneider Brakel GmbH & Co.



1 AESHIDxx68 2 AESHIDxx80 1 AESHIDxx80AP/PA



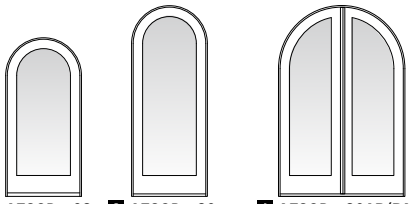
Custom-size doors are available in 1/8" (3) increments.

Available in custom designed panels, see page 186. Stationary doors are also available (i.e. AESHID3080S or AESHID4080SS).

### Springline™ Inswing Entry Door Dimensions and Specifications

Door Number	Number of Panels Open*	Door Dimensions			Min. Rough Opening		Clear Opening Area Sq. Ft./ (m <sup>2</sup> )	Clear Opening Maximums			Vent Area Sq. Ft./ (m <sup>2</sup> )	Overall Door Area Sq. Ft./ (m <sup>2</sup> )	
		Radius Inches/(mm)	Shoulder Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)	Width Inches/(mm)		Height Inches/(mm)	90° Width Inches/(mm)	Full Width Inches/(mm)			Height Inches/(mm)
AESHID3068	1	18 7/8" (479)	63 1/8" (1603)	37 11/16" (957)	82" (2083)	38 3/16" (970)	82 1/2" (2096)	14.92 (1.39)	32 13/16" (833)	34 7/8" (886)	61 5/8" (1565)	18.25 (1.70)	20.41 (1.90)
AESHID3668	1	21 7/8" (556)	60 1/8" (1527)	43 11/16" (1110)	82" (2083)	44 3/16" (1122)	82 1/2" (2096)	16.64 (1.55)	38 13/16" (986)	40 7/8" (1038)	58 5/8" (1489)	21.21 (1.97)	23.46 (2.18)
AESHID3080	1	18 7/8" (479)	76 1/8" (1934)	37 11/16" (957)	95" (2413)	38 3/16" (970)	95 1/2" (2426)	18.07 (1.68)	32 13/16" (833)	34 7/8" (886)	74 5/8" (1895)	21.40 (1.99)	23.81 (2.21)
AESHID3680	1	21 7/8" (556)	73 1/8" (1857)	43 11/16" (1110)	95" (2413)	44 3/16" (1122)	95 1/2" (2426)	20.33 (1.89)	38 13/16" (986)	40 7/8" (1038)	71 5/8" (1819)	24.90 (2.31)	27.40 (2.55)
AESHID4080	2	25 3/8" (645)	69 5/8" (1768)	50 3/4" (1289)	95" (2413)	51 1/4" (1302)	95 1/2" (2426)	22.68 (2.11)	43 13/16" (1113)	47 15/16" (1218)	68 1/8" (1730)	28.95 (2.69)	31.56 (2.93)
AESHID4080	1	25 3/8" (645)	69 5/8" (1768)	50 3/4" (1289)	95" (2413)	51 1/4" (1302)	95 1/2" (2426)	10.85 (1.01)	20 7/8" (530)	22 15/16" (583)	68 1/8" (1730)	13.79 (1.28)	31.56 (2.93)
AESHID5080	2	31 3/8" (797)	63 5/8" (1616)	62 3/4" (1594)	95" (2413)	63 1/4" (1607)	95 1/2" (2426)	25.86 (2.40)	55 13/16" (1418)	59 15/16" (1522)	62 1/8" (1578)	35.66 (3.31)	38.46 (3.57)
AESHID5080	1	31 3/8" (797)	63 5/8" (1616)	62 3/4" (1594)	95" (2413)	63 1/4" (1607)	95 1/2" (2426)	12.48 (1.16)	26 7/8" (683)	28 15/16" (735)	62 1/8" (1578)	17.14 (1.59)	38.46 (3.57)
AESHID5480	2	33 3/8" (848)	61 5/8" (1565)	66 3/4" (1695)	95" (2413)	67 1/4" (1708)	95 1/2" (2426)	26.70 (2.48)	59 13/16" (1519)	63 15/16" (1624)	60 1/8" (1527)	37.85 (3.52)	40.72 (3.78)
AESHID5480	1	33 3/8" (848)	61 5/8" (1565)	66 3/4" (1695)	95" (2413)	67 1/4" (1708)	95 1/2" (2426)	12.92 (1.20)	28 7/8" (733)	30 15/16" (786)	60 1/8" (1527)	18.24 (1.69)	40.72 (3.78)
AESHID6080	2	37 3/8" (949)	57 5/8" (1464)	74 3/4" (1899)	95" (2413)	75 1/4" (1911)	95 1/2" (2426)	28.04 (2.60)	67 13/16" (1722)	71 15/16" (1827)	56 1/8" (1426)	42.15 (3.92)	45.15 (4.19)
AESHID6080	1	37 3/8" (949)	57 5/8" (1464)	74 3/4" (1899)	95" (2413)	75 1/4" (1911)	95 1/2" (2426)	13.62 (1.27)	32 7/8" (835)	34 15/16" (887)	56 1/8" (1426)	20.39 (1.89)	45.15 (4.19)
AESHID7080	2	43 3/8" (1102)	51 5/8" (1311)	86 3/4" (2203)	95" (2413)	87 1/4" (2216)	95 1/2" (2426)	29.22 (2.71)	79 13/16" (2027)	83 15/16" (2132)	50 1/8" (1273)	48.43 (4.50)	51.62 (4.80)
AESHID7080	1	43 3/8" (1102)	51 5/8" (1311)	86 3/4" (2203)	95" (2413)	87 1/4" (2216)	95 1/2" (2426)	14.25 (1.32)	38 7/8" (987)	40 15/16" (1040)	50 1/8" (1273)	23.53 (2.19)	51.62 (4.80)

- \* "Door Dimension" always refers to outside frame to frame dimension.
- \* "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- \* Dimensions in parentheses are in millimeters or square meters.
- \* For two-panel patio doors with one panel open, clear opening is based on active panel being open and passive panel being closed.



1 AESODxx68 2 AESODxx80 1 AESODxx80AP/PA



Custom-size doors are available in 1/8" (3) increments.

Available in custom designed panels, see page 186. Stationary doors are also available (i.e. AESOD3080S or AESOD4080SS).

### Springline™ Outswing Entry Door Dimensions and Specifications

Door Number	Number of Panels Open*	Door Dimensions			Min. Rough Opening		Clear Opening Area Sq. Ft./ (m <sup>2</sup> )	Clear Opening Maximums			Vent Area Sq. Ft./ (m <sup>2</sup> )	Overall Door Area Sq. Ft./ (m <sup>2</sup> )	
		Radius Inches/(mm)	Shoulder Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)	Width Inches/(mm)		Height Inches/(mm)	90° Width Inches/(mm)	Full Width Inches/(mm)			Height Inches/(mm)
AESOD3068	1	18 7/8" (479)	63 1/8" (1603)	37 11/16" (957)	82" (2083)	38 3/16" (970)	82 1/2" (2096)	15.01 (1.39)	33 1/8" (841)	35 1/16" (891)	61 5/8" (1565)	18.34 (1.70)	20.41 (1.90)
AESOD3668	1	21 7/8" (556)	60 1/8" (1527)	43 11/16" (1110)	82" (2083)	44 3/16" (1122)	82 1/2" (2096)	16.72 (1.55)	39 1/8" (994)	41 1/16" (1043)	58 5/8" (1489)	21.29 (1.98)	23.46 (2.18)
AESOD3080	1	18 7/8" (479)	76 1/8" (1934)	37 11/16" (957)	95" (2413)	38 3/16" (970)	95 1/2" (2426)	18.17 (1.69)	33 1/8" (841)	35 1/16" (891)	74 5/8" (1895)	21.50 (2.00)	23.81 (2.21)
AESOD3680	1	21 7/8" (556)	73 1/8" (1857)	43 11/16" (1110)	95" (2413)	44 3/16" (1122)	95 1/2" (2426)	20.42 (1.90)	39 1/8" (994)	41 1/16" (1043)	71 5/8" (1819)	25.00 (2.32)	27.40 (2.55)
AESOD4080	2	25 3/8" (645)	69 5/8" (1768)	50 3/4" (1289)	95" (2413)	51 1/4" (1302)	95 1/2" (2426)	22.77 (2.12)	44 3/16" (1122)	48 1/8" (1222)	68 1/8" (1730)	29.04 (2.70)	31.56 (2.93)
AESOD4080	1	25 3/8" (645)	69 5/8" (1768)	50 3/4" (1289)	95" (2413)	51 1/4" (1302)	95 1/2" (2426)	10.88 (1.01)	21" (533)	23" (584)	68 1/8" (1730)	13.79 (1.28)	31.56 (2.93)
AESOD5080	2	31 3/8" (797)	63 5/8" (1616)	62 3/4" (1594)	95" (2413)	63 1/4" (1607)	95 1/2" (2426)	25.94 (2.41)	56 3/16" (1427)	60 1/8" (1527)	62 1/8" (1578)	35.74 (3.32)	38.46 (3.57)
AESOD5080	1	31 3/8" (797)	63 5/8" (1616)	62 3/4" (1594)	95" (2413)	63 1/4" (1607)	95 1/2" (2426)	12.51 (1.16)	27" (686)	29" (737)	62 1/8" (1578)	17.14 (1.59)	38.46 (3.57)
AESOD5480	2	33 3/8" (848)	61 5/8" (1565)	66 3/4" (1695)	95" (2413)	67 1/4" (1708)	95 1/2" (2426)	26.77 (2.49)	60 3/16" (1529)	64 1/8" (1629)	60 1/8" (1527)	37.92 (3.52)	40.72 (3.78)
AESOD5480	1	33 3/8" (848)	61 5/8" (1565)	66 3/4" (1695)	95" (2413)	67 1/4" (1708)	95 1/2" (2426)	12.94 (1.20)	29" (737)	31" (787)	60 1/8" (1527)	18.24 (1.69)	40.72 (3.78)
AESOD6080	2	37 3/8" (949)	57 5/8" (1464)	74 3/4" (1899)	95" (2413)	75 1/4" (1911)	95 1/2" (2426)	28.11 (2.61)	68 3/16" (1732)	72 1/8" (1832)	56 1/8" (1426)	42.23 (3.92)	45.15 (4.19)
AESOD6080	1	37 3/8" (949)	57 5/8" (1464)	74 3/4" (1899)	95" (2413)	75 1/4" (1911)	95 1/2" (2426)	13.64 (1.27)	33" (838)	35" (889)	56 1/8" (1426)	20.39 (1.89)	45.15 (4.19)
AESOD7080	2	43 3/8" (1102)	51 5/8" (1311)	86 3/4" (2203)	95" (2413)	87 1/4" (2216)	95 1/2" (2426)	29.28 (2.72)	80 3/16" (2037)	84 1/8" (2137)	50 1/8" (1273)	48.50 (4.51)	51.62 (4.80)
AESOD7080	1	43 3/8" (1102)	51 5/8" (1311)	86 3/4" (2203)	95" (2413)	87 1/4" (2216)	95 1/2" (2426)	14.27 (1.33)	39" (991)	41" (1041)	50 1/8" (1273)	23.53 (2.19)	51.62 (4.80)

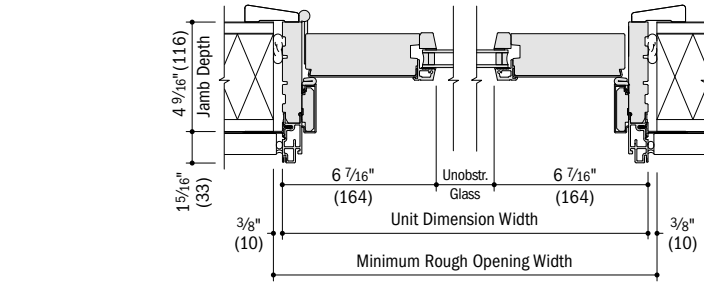
- \* "Door Dimension" always refers to outside frame to frame dimension.
- \* "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- \* Dimensions in parentheses are in millimeters or square meters.
- \* For two-panel patio doors with one panel open, clear opening is based on active panel being open and passive panel being closed.

Residential Inswing & Outswing Entry Doors & Sidelights

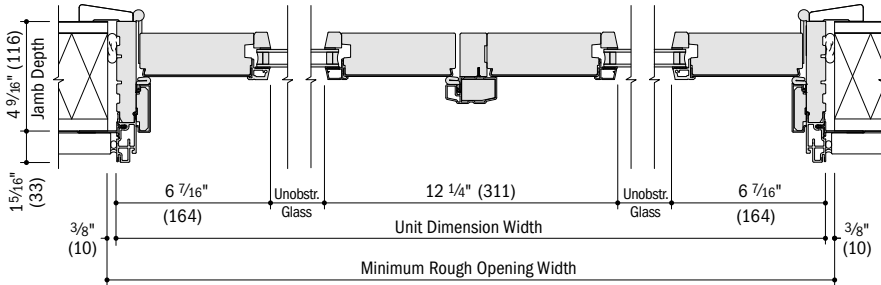
# RESIDENTIAL ENTRY DOORS

## Springline™ Inswing Entry Door Details – 4 9/16" (116) Jamb Depth

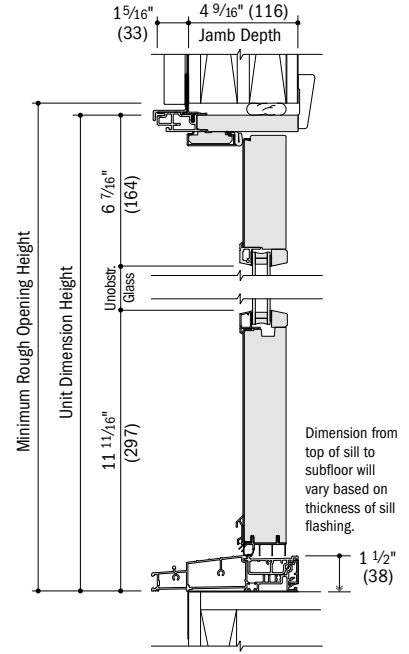
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Horizontal Section



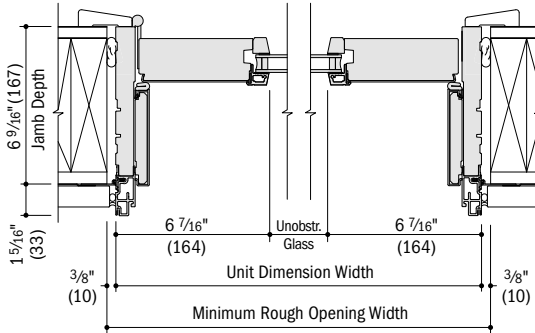
Horizontal Section  
Two-Panel



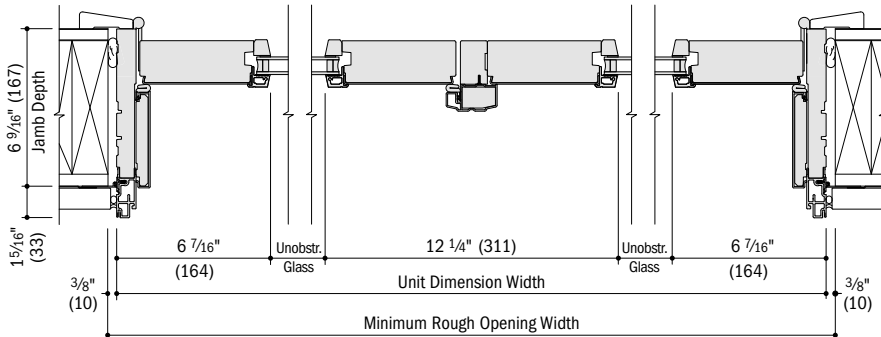
Vertical Section

## Springline™ Inswing Entry Door Details – 6 9/16" (167) Jamb Depth

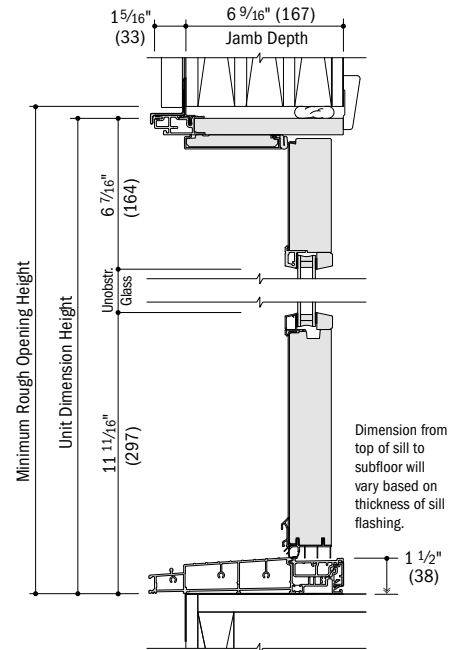
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Horizontal Section



Horizontal Section  
Two-Panel

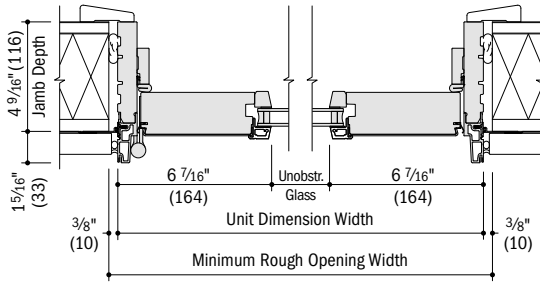


Vertical Section

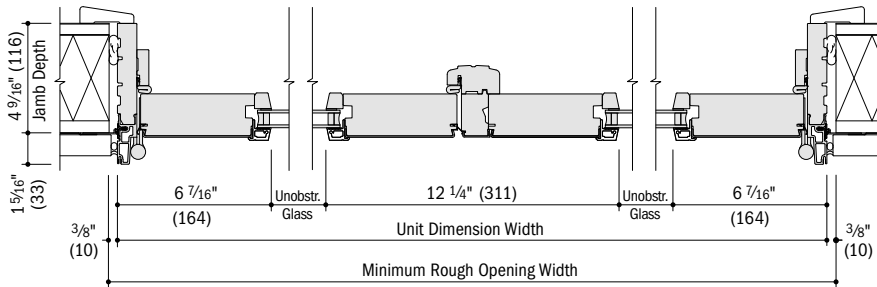
- 4 9/16" (116) and 6 9/16" (167) jamb depth measurements are from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Dimensions in parentheses are in millimeters.
- Clad details shown, wood also available.

**Springline™ Outswing Entry Door Details – 4 9/16" (116) Jamb Depth**

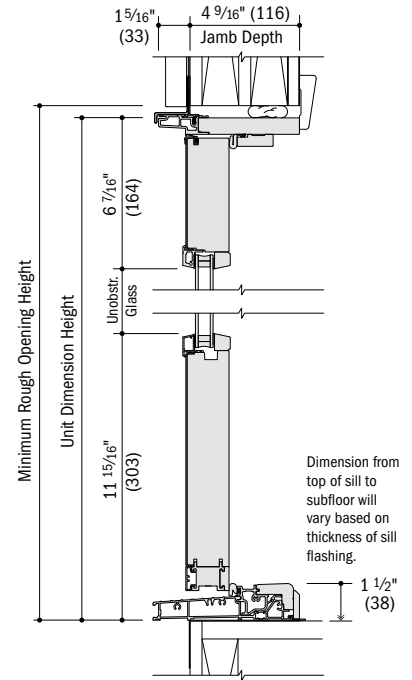
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



**Horizontal Section**



**Horizontal Section  
Two-Panel**



**Vertical Section**

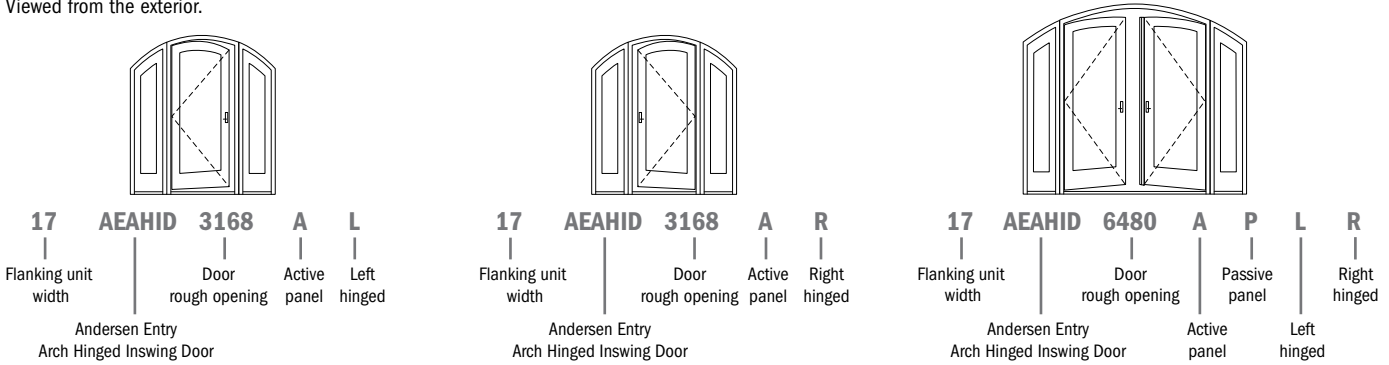
Dimension from top of sill to subfloor will vary based on thickness of sill flashing.

- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen™ parts required to complete door assembly as shown.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Dimensions in parentheses are in millimeters.
- Clad details shown, wood also available.

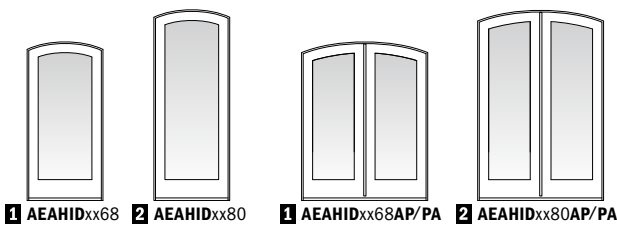
# RESIDENTIAL ENTRY DOORS

## Order Designation Description

Viewed from the exterior.



Arch inswing entry doors (AEAHID) shown above, for outswing arch entry doors use AEAOD. Outswing entry doors open outward to the exterior.



Custom-size doors are available in 1/8" (3) increments.

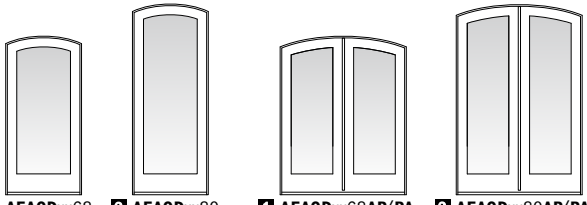
Available in custom designed panels, see page 186. Stationary doors are also available (i.e. AEAHID2068S or AEAHID4068SS).

## Arch Inswing Entry Door Dimensions and Specifications

Door Number	Number of Panels Open*	Door Dimensions				Min. Rough Opening		Clear Opening Area Sq. Ft./ (m <sup>2</sup> )	Clear Opening Maximums			Vent Area Sq. Ft./ (m <sup>2</sup> )	Overall Door Area Sq. Ft./ (m <sup>2</sup> )
		Radius Inches/(mm)	Shoulder Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)		90° Width Inches/(mm)	Full Width Inches/(mm)	Height Inches/(mm)		
AEAHID2068	1	37 1/16" (941)	79 11/16" (2024)	25 11/16" (652)	82" (2083)	26 3/16" (665)	82 1/2" (2096)	12.26 (1.14)	20 13/16" (529)	22 7/8" (581)	77 3/16" (1961)	12.46 (1.16)	14.49 (1.35)
AEAHID2668	1	48" (1219)	79 5/16" (2015)	31 11/16" (805)	82" (2083)	32 3/16" (818)	82 1/2" (2096)	15.39 (1.43)	26 13/16" (681)	28 7/8" (733)	76 3/4" (1949)	15.70 (1.46)	17.85 (1.66)
AEAHID2868	1	48" (1219)	78 15/16" (2005)	33 11/16" (856)	82" (2083)	34 3/16" (868)	82 1/2" (2096)	16.39 (1.52)	28 13/16" (732)	30 7/8" (784)	76 7/16" (1942)	16.77 (1.56)	18.95 (1.76)
AEAHID3068	1	48" (1219)	78 1/8" (1984)	37 11/16" (957)	82" (2083)	38 3/16" (970)	82 1/2" (2096)	18.33 (1.70)	32 13/16" (833)	34 7/8" (886)	75 11/16" (1922)	18.88 (1.75)	21.13 (1.96)
AEAHID3668	1	48" (1219)	76 3/4" (1949)	43 11/16" (1110)	82" (2083)	44 3/16" (1122)	82 1/2" (2096)	21.11 (1.96)	38 13/16" (986)	40 7/8" (1038)	74 3/4" (1889)	22.01 (2.04)	24.36 (2.26)
AEAHID2080	1	37 1/16" (941)	92 11/16" (2354)	25 11/16" (652)	95" (2413)	26 3/16" (665)	95 1/2" (2426)	14.33 (1.33)	20 13/16" (529)	22 7/8" (581)	90 3/16" (2291)	14.53 (1.35)	16.81 (1.56)
AEAHID2680	1	48" (1219)	92 5/16" (2345)	31 11/16" (805)	95" (2413)	32 3/16" (818)	95 1/2" (2426)	18.00 (1.67)	26 13/16" (681)	28 7/8" (733)	89 3/4" (2280)	18.31 (1.70)	20.71 (1.92)
AEAHID2880	1	48" (1219)	91 15/16" (2335)	33 11/16" (856)	95" (2413)	34 3/16" (868)	95 1/2" (2426)	19.18 (1.78)	28 13/16" (732)	30 7/8" (784)	89 11/16" (2272)	19.55 (1.82)	21.99 (2.04)
AEAHID3080	1	48" (1219)	91 1/8" (2315)	37 11/16" (957)	95" (2413)	38 3/16" (970)	95 1/2" (2426)	21.48 (2.00)	32 13/16" (833)	34 7/8" (886)	88 11/16" (2253)	22.03 (2.05)	24.53 (2.28)
AEAHID3680	1	48" (1219)	89 3/4" (2280)	43 11/16" (1110)	95" (2413)	44 3/16" (1122)	95 1/2" (2426)	24.80 (2.30)	38 13/16" (986)	40 7/8" (1038)	87 3/8" (2219)	25.70 (2.39)	28.30 (2.63)
AEAHID4068	2	48" (1219)	74 3/4" (1899)	50 3/4" (1289)	82" (2083)	51 1/4" (1302)	82 1/2" (2096)	24.11 (2.24)	43 13/16" (1113)	47 15/16" (1218)	72 7/16" (1840)	25.61 (2.38)	28.07 (2.61)
AEAHID4068	1	48" (1219)	74 3/4" (1899)	50 3/4" (1289)	82" (2083)	51 1/4" (1302)	82 1/2" (2096)	11.54 (1.07)	20 7/8" (530)	22 15/16" (583)	72 7/16" (1840)	12.22 (1.14)	28.07 (2.61)
AEAHID5068	2	96" (2438)	76 3/4" (1949)	62 3/4" (1594)	82" (2083)	63 1/4" (1607)	82 1/2" (2096)	30.88 (2.87)	55 13/16" (1418)	59 15/16" (1522)	74 3/4" (1884)	32.24 (3.00)	34.97 (3.25)
AEAHID5068	1	96" (2438)	76 3/4" (1949)	62 3/4" (1594)	82" (2083)	63 1/4" (1607)	82 1/2" (2096)	14.91 (1.39)	26 7/8" (683)	28 15/16" (735)	74 3/16" (1884)	15.54 (1.44)	34.97 (3.25)
AEAHID5468	2	96" (2438)	76" (1930)	66 3/4" (1695)	82" (2083)	67 1/4" (1708)	82 1/2" (2096)	32.63 (3.03)	59 13/16" (1519)	63 15/16" (1624)	73 1/2" (1867)	34.29 (3.19)	37.09 (3.45)
AEAHID5468	1	96" (2438)	76" (1930)	66 3/4" (1695)	82" (2083)	67 1/4" (1708)	82 1/2" (2096)	15.79 (1.47)	28 7/8" (733)	30 15/16" (786)	73 1/2" (1867)	16.56 (1.54)	37.09 (3.45)
AEAHID6068	2	96" (2438)	74 7/16" (1891)	74 3/4" (1899)	82" (2083)	75 1/4" (1911)	82 1/2" (2096)	35.94 (3.34)	67 13/16" (1722)	71 15/16" (1827)	71 15/16" (1827)	38.33 (3.56)	41.27 (3.83)
AEAHID6068	1	96" (2438)	74 7/16" (1891)	74 3/4" (1899)	82" (2083)	75 1/4" (1911)	82 1/2" (2096)	17.45 (1.62)	32 7/8" (835)	34 15/16" (887)	71 15/16" (1827)	18.58 (1.73)	41.27 (3.83)
AEAHID7068	2	96" (2438)	71 5/8" (1819)	86 3/4" (2203)	82" (2083)	87 1/4" (2216)	82 1/2" (2096)	40.37 (3.75)	79 13/16" (2027)	83 15/16" (2132)	69 1/4" (1759)	44.22 (4.11)	47.36 (4.40)
AEAHID7068	1	96" (2438)	71 5/8" (1819)	86 3/4" (2203)	82" (2083)	87 1/4" (2216)	82 1/2" (2096)	19.69 (1.83)	38 7/8" (987)	40 15/16" (1040)	69 1/4" (1759)	21.53 (2.00)	47.36 (4.40)
AEAHID4080	2	48" (1219)	87 3/4" (2229)	50 3/4" (1289)	95" (2413)	51 1/4" (1302)	95 1/2" (2426)	28.44 (2.64)	43 13/16" (1113)	47 15/16" (1218)	85 7/16" (2170)	29.94 (2.78)	32.65 (3.03)
AEAHID4080	1	48" (1219)	87 3/4" (2229)	50 3/4" (1289)	95" (2413)	51 1/4" (1302)	95 1/2" (2426)	13.61 (1.26)	20 7/8" (530)	22 15/16" (583)	85 7/16" (2170)	14.29 (1.33)	32.65 (3.03)
AEAHID5080	2	96" (2438)	89 3/4" (2280)	62 3/4" (1594)	95" (2413)	63 1/4" (1607)	95 1/2" (2426)	36.29 (3.37)	55 13/16" (1418)	59 15/16" (1522)	87 3/16" (2215)	37.65 (3.50)	40.64 (3.78)
AEAHID5080	1	96" (2438)	89 3/4" (2280)	62 3/4" (1594)	95" (2413)	63 1/4" (1607)	95 1/2" (2426)	17.52 (1.63)	26 7/8" (683)	28 15/16" (735)	87 3/16" (2215)	18.15 (1.69)	40.64 (3.78)
AEAHID5480	2	96" (2438)	89" (2261)	66 3/4" (1695)	95" (2413)	67 1/4" (1708)	95 1/2" (2426)	38.41 (3.57)	59 13/16" (1519)	63 15/16" (1624)	86 1/2" (2197)	40.07 (3.72)	43.12 (4.01)
AEAHID5480	1	96" (2438)	89" (2261)	66 3/4" (1695)	95" (2413)	67 1/4" (1708)	95 1/2" (2426)	18.58 (1.73)	28 7/8" (733)	30 15/16" (786)	86 1/2" (2197)	19.35 (1.80)	43.12 (4.01)
AEAHID6080	2	96" (2438)	87 7/16" (2221)	74 3/4" (1899)	95" (2413)	75 1/4" (1911)	95 1/2" (2426)	42.43 (3.94)	67 13/16" (1722)	71 15/16" (1827)	84 15/16" (2157)	44.83 (4.16)	48.02 (4.46)
AEAHID6080	1	96" (2438)	87 7/16" (2221)	74 3/4" (1899)	95" (2413)	75 1/4" (1911)	95 1/2" (2426)	20.61 (1.91)	32 7/8" (835)	34 15/16" (887)	84 15/16" (2157)	21.74 (2.02)	48.02 (4.46)
AEAHID7080	2	96" (2438)	84 5/8" (2149)	86 3/4" (2203)	95" (2413)	87 1/4" (2216)	95 1/2" (2426)	47.94 (4.45)	79 13/16" (2027)	83 15/16" (2132)	82 1/4" (2089)	51.80 (4.81)	55.20 (5.13)
AEAHID7080	1	96" (2438)	84 5/8" (2149)	86 3/4" (2203)	95" (2413)	87 1/4" (2216)	95 1/2" (2426)	23.38 (2.17)	38 7/8" (987)	40 15/16" (1040)	82 1/4" (2089)	25.22 (2.34)	55.20 (5.13)

\* "Door Dimension" always refers to outside frame to frame dimension.  
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.  
 • Dimensions in parentheses are in millimeters or square meters.  
 \*For two-panel patio doors with one panel open, clear opening is based on active panel being open and passive panel being closed.





Custom-size doors are available in 1/8" (3) increments.

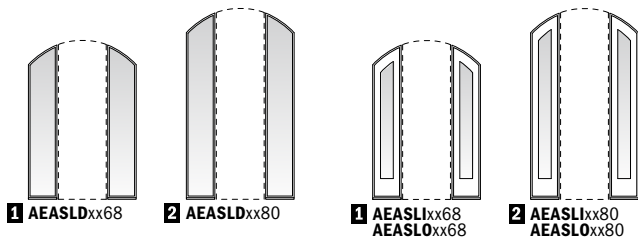
Available in custom designed panels, see page 186. Stationary doors are also available (i.e. AEAOD2068S or AEAOD4068SS).

**Arch Outswing Entry Door Dimensions and Specifications**

Door Number	Number of Panels Open*	Door Dimensions				Min. Rough Opening		Clear Opening Area Sq. Ft./ (m <sup>2</sup> )	Clear Opening Maximums			Vent Area Sq. Ft./ (m <sup>2</sup> )	Overall Door Area Sq. Ft./ (m <sup>2</sup> )
		Radius Inches/(mm)	Shoulder Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)		90° Width Inches/(mm)	Full Width Inches/(mm)	Height Inches/(mm)		
AEAOD2068	1	37 1/16" (941)	79 1/16" (2024)	25 1/16" (652)	82" (2083)	26 3/16" (665)	82 1/2" (2096)	12.37 (1.15)	21 1/8" (537)	23 1/16" (586)	77 1/4" (1962)	12.58 (1.17)	14.49 (1.35)
AEAOD2668	1	48" (1219)	79 1/16" (2015)	31 1/16" (805)	82" (2083)	32 3/16" (818)	82 1/2" (2096)	15.50 (1.44)	27 1/8" (689)	29 1/16" (738)	76 1/16" (1951)	15.82 (1.47)	17.85 (1.66)
AEAOD2868	1	48" (1219)	78 1/16" (2005)	33 1/16" (856)	82" (2083)	34 3/16" (868)	82 1/2" (2096)	16.50 (1.53)	29 1/8" (740)	31 1/16" (789)	76 1/2" (1943)	16.89 (1.57)	18.95 (1.76)
AEAOD3068	1	48" (1219)	78 1/8" (1984)	37 1/16" (957)	82" (2083)	38 3/16" (970)	82 1/2" (2096)	18.44 (1.71)	33 1/8" (841)	35 1/16" (891)	75 3/4" (1924)	19.00 (1.77)	21.13 (1.96)
AEAOD3668	1	48" (1219)	76 3/4" (1949)	43 1/16" (1110)	82" (2083)	44 3/16" (1122)	82 1/2" (2096)	21.21 (1.97)	39 1/8" (994)	41 1/16" (1043)	74 3/8" (1889)	22.13 (2.06)	24.36 (2.26)
AEAOD2080	1	37 1/16" (941)	92 1/16" (2354)	25 1/16" (652)	95" (2413)	26 3/16" (665)	95 1/2" (2426)	12.37 (1.15)	21 1/8" (537)	23 1/16" (586)	77 1/4" (1962)	14.66 (1.36)	16.81 (1.56)
AEAOD2680	1	48" (1219)	92 3/16" (2345)	31 1/16" (805)	95" (2413)	32 3/16" (818)	95 1/2" (2426)	15.50 (1.44)	27 1/8" (689)	29 1/16" (738)	76 1/16" (1951)	18.45 (1.71)	20.71 (1.92)
AEAOD2880	1	48" (1219)	91 1/16" (2335)	33 1/16" (856)	95" (2413)	34 3/16" (868)	95 1/2" (2426)	16.50 (1.53)	29 1/8" (740)	31 1/16" (789)	76 1/2" (1943)	19.69 (1.83)	21.99 (2.04)
AEAOD3080	1	48" (1219)	91 1/8" (2315)	37 1/16" (957)	95" (2413)	38 3/16" (970)	95 1/2" (2426)	18.44 (1.71)	33 1/8" (841)	35 1/16" (891)	75 3/4" (1924)	22.17 (2.06)	24.53 (2.28)
AEAOD3680	1	48" (1219)	89 3/4" (2280)	43 1/16" (1110)	95" (2413)	44 3/16" (1122)	95 1/2" (2426)	21.21 (1.97)	39 1/8" (994)	41 1/16" (1043)	74 3/8" (1889)	25.84 (2.40)	28.30 (2.63)
AEAOD4068	2	48" (1219)	74 3/4" (1899)	50 3/4" (1289)	82" (2083)	51 1/4" (1302)	82 1/2" (2096)	24.23 (2.25)	44 3/16" (1122)	48 1/8" (1222)	72 1/2" (1842)	25.73 (2.39)	28.07 (2.61)
AEAOD4068	1	48" (1219)	74 3/4" (1899)	50 3/4" (1289)	82" (2083)	51 1/4" (1302)	82 1/2" (2096)	11.58 (1.08)	21" (533)	23" (584)	72 1/2" (1842)	12.28 (1.14)	28.07 (2.61)
AEAOD5068	2	96" (2438)	76 3/4" (1949)	62 3/4" (1594)	82" (2083)	63 1/4" (1607)	82 1/2" (2096)	31.00 (2.88)	56 3/16" (1427)	60 1/8" (1527)	74 1/4" (1886)	32.38 (3.01)	34.97 (3.25)
AEAOD5068	1	96" (2438)	76 3/4" (1949)	62 3/4" (1594)	82" (2083)	63 1/4" (1607)	82 1/2" (2096)	14.95 (1.39)	27" (686)	29" (737)	74 1/4" (1886)	15.60 (1.45)	34.97 (3.25)
AEAOD5468	2	96" (2438)	76" (1930)	66 3/4" (1695)	82" (2083)	67 1/4" (1708)	82 1/2" (2096)	32.76 (3.04)	60 3/16" (1529)	64 1/8" (1629)	73 9/16" (1868)	34.43 (3.20)	37.09 (3.45)
AEAOD5468	1	96" (2438)	76" (1930)	66 3/4" (1695)	82" (2083)	67 1/4" (1708)	82 1/2" (2096)	15.84 (1.47)	29" (737)	31" (787)	73 9/16" (1868)	16.63 (1.54)	37.09 (3.45)
AEAOD6068	2	96" (2438)	74 1/16" (1891)	74 3/4" (1899)	82" (2083)	75 1/4" (1911)	82 1/2" (2096)	36.06 (3.35)	68 3/16" (1732)	72 1/8" (1832)	72" (1829)	38.48 (3.57)	41.27 (3.83)
AEAOD6068	1	96" (2438)	74 1/16" (1891)	74 3/4" (1899)	82" (2083)	75 1/4" (1911)	82 1/2" (2096)	17.50 (1.63)	33" (838)	35" (889)	72" (1829)	18.65 (1.73)	41.27 (3.83)
AEAOD7068	2	96" (2438)	71 5/8" (1819)	86 3/4" (2203)	82" (2083)	87 1/4" (2216)	82 1/2" (2096)	40.49 (3.76)	80 3/16" (2037)	84 1/8" (2137)	69 5/16" (1761)	44.37 (4.12)	47.36 (4.40)
AEAOD7068	1	96" (2438)	71 5/8" (1819)	86 3/4" (2203)	82" (2083)	87 1/4" (2216)	82 1/2" (2096)	19.73 (1.83)	39" (991)	41" (1041)	69 5/16" (1761)	21.60 (2.01)	47.36 (4.40)
AEAOD4080	2	48" (1219)	87 3/4" (2229)	50 3/4" (1289)	95" (2413)	51 1/4" (1302)	95 1/2" (2426)	28.57 (2.65)	44 3/16" (1122)	48 1/8" (1222)	85 1/2" (2172)	30.08 (2.79)	32.65 (3.03)
AEAOD4080	1	48" (1219)	87 3/4" (2229)	50 3/4" (1289)	95" (2413)	51 1/4" (1302)	95 1/2" (2426)	13.66 (1.27)	21" (533)	23" (584)	85 1/2" (2172)	14.36 (1.33)	32.65 (3.03)
AEAOD5080	2	96" (2438)	89 3/4" (2280)	62 3/4" (1594)	95" (2413)	63 1/4" (1607)	95 1/2" (2426)	36.43 (3.38)	56 3/16" (1427)	60 1/8" (1527)	87 1/4" (2216)	37.80 (3.51)	40.64 (3.78)
AEAOD5080	1	96" (2438)	89 3/4" (2280)	62 3/4" (1594)	95" (2413)	63 1/4" (1607)	95 1/2" (2426)	17.57 (1.63)	27" (686)	29" (737)	87 1/4" (2216)	18.22 (1.69)	40.64 (3.78)
AEAOD5480	2	96" (2438)	89" (2261)	66 3/4" (1695)	95" (2413)	67 1/4" (1708)	95 1/2" (2426)	38.55 (3.58)	60 3/16" (1529)	64 1/8" (1629)	86 9/16" (2199)	40.22 (3.74)	43.12 (4.01)
AEAOD5480	1	96" (2438)	89" (2261)	66 3/4" (1695)	95" (2413)	67 1/4" (1708)	95 1/2" (2426)	18.63 (1.73)	29" (737)	31" (787)	86 9/16" (2199)	19.43 (1.81)	43.12 (4.01)
AEAOD6080	2	96" (2438)	87 1/16" (2221)	74 3/4" (1899)	95" (2413)	75 1/4" (1911)	95 1/2" (2426)	42.57 (3.95)	68 3/16" (1732)	72 1/8" (1832)	85" (2159)	44.99 (4.18)	48.02 (4.46)
AEAOD6080	1	96" (2438)	87 1/16" (2221)	74 3/4" (1899)	95" (2413)	75 1/4" (1911)	95 1/2" (2426)	20.66 (1.92)	33" (838)	35" (889)	85" (2159)	21.81 (2.03)	48.02 (4.46)
AEAOD7080	2	96" (2438)	84 5/8" (2149)	86 3/4" (2203)	95" (2413)	87 1/4" (2216)	95 1/2" (2426)	48.09 (4.47)	80 3/16" (2037)	84 1/8" (2137)	82 3/16" (2091)	51.96 (4.83)	55.20 (5.13)
AEAOD7080	1	96" (2438)	84 5/8" (2149)	86 3/4" (2203)	95" (2413)	87 1/4" (2216)	95 1/2" (2426)	23.44 (2.18)	39" (991)	41" (1041)	82 3/16" (2091)	25.30 (2.35)	55.20 (5.13)

- \* "Door Dimension" always refers to outside frame to frame dimension.
- \* "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- \* Dimensions in parentheses are in millimeters or square meters.
- \* For two-panel patio doors with one panel open, clear opening is based on active panel being open and passive panel being closed.

**Direct-Set and Sash-Set Arch Entry Door Sidelights**



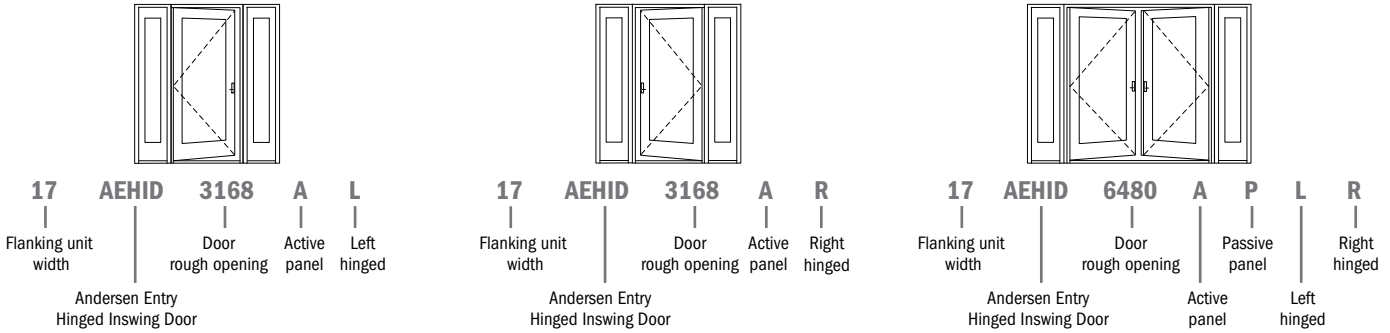
Direct-set (AEASLD), sash-set inswing (AEASLI) and sash-set outswing (AEASLO) entry door sidelights shown. Contact your Andersen supplier for dimensions and specifications.

Residential Inswing & Outswing Entry Doors & Sidelights

# RESIDENTIAL ENTRY DOORS

## Order Designation Description

Viewed from the exterior.



Inswing entry doors (AEHID) shown above, for outswing entry doors use AEOD. Outswing entry doors open outward to the exterior.



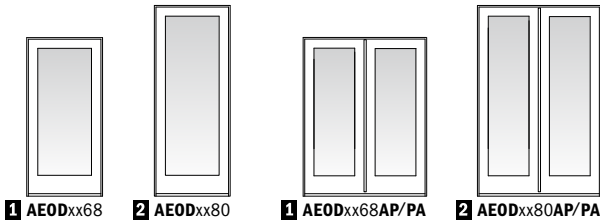
Custom-size doors are available in 1/8" (3) increments.

Available in custom designed panels, see page 186. Stationary doors are also available (i.e. AEHID2068S or AEHID4068SS).

## Rectangular Inswing Entry Door Dimensions and Specifications

Door Number	Number of Panels Open*	Min. Rough Opening				Clear Opening Sq. Ft./ (m <sup>2</sup> )	Clear Opening Maximums			Vent Sq. Ft./ (m <sup>2</sup> )	Overall Door Area Sq. Ft./ (m <sup>2</sup> )
		Width Inches/(mm)	Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)		90° Width Inches/(mm)	Full Width Inches/(mm)	Height Inches/(mm)		
AEHID2068	1	25 11/16" (652)	82" (2083)	26 3/16" (665)	82 1/2" (2096)	12.56 (1.17)	20 13/16" (529)	22 7/8" (581)	79 1/16" (2008)	12.56 (1.17)	14.63 (1.36)
AEHID2668	1	31 11/16" (805)	82" (2083)	32 3/16" (818)	82 1/2" (2096)	15.85 (1.47)	26 13/16" (681)	28 7/8" (733)	79 1/16" (2008)	15.85 (1.47)	18.04 (1.68)
AEHID2868	1	33 11/16" (856)	82" (2083)	34 3/16" (868)	82 1/2" (2096)	16.95 (1.57)	28 13/16" (732)	30 7/8" (784)	79 1/16" (2008)	16.95 (1.57)	19.18 (1.78)
AEHID3068	1	37 11/16" (957)	82" (2083)	38 3/16" (970)	82 1/2" (2096)	19.15 (1.78)	32 13/16" (833)	34 7/8" (886)	79 1/16" (2008)	19.15 (1.78)	21.46 (1.99)
AEHID3668	1	43 11/16" (1110)	82" (2083)	44 3/16" (1122)	82 1/2" (2096)	22.44 (2.08)	38 13/16" (986)	40 7/8" (1038)	79 1/16" (2008)	22.44 (2.08)	24.88 (2.31)
AEHID2080	1	25 11/16" (652)	95" (2413)	26 3/16" (665)	95 1/2" (2426)	14.62 (1.36)	20 13/16" (529)	22 7/8" (581)	92 1/16" (2338)	14.62 (1.36)	16.95 (1.57)
AEHID2680	1	31 11/16" (805)	95" (2413)	32 3/16" (818)	95 1/2" (2426)	18.46 (1.71)	26 13/16" (681)	28 7/8" (733)	92 1/16" (2338)	18.46 (1.71)	20.90 (1.94)
AEHID2880	1	33 11/16" (856)	95" (2413)	34 3/16" (868)	95 1/2" (2426)	19.74 (1.83)	28 13/16" (732)	30 7/8" (784)	92 1/16" (2338)	19.74 (1.83)	22.22 (2.06)
AEHID3080	1	37 11/16" (957)	95" (2413)	38 3/16" (970)	95 1/2" (2426)	22.30 (2.07)	32 13/16" (833)	34 7/8" (886)	92 1/16" (2338)	22.30 (2.07)	24.86 (2.31)
AEHID3680	1	43 11/16" (1110)	95" (2413)	44 3/16" (1122)	95 1/2" (2426)	26.13 (2.43)	38 13/16" (986)	40 7/8" (1038)	92 1/16" (2338)	26.13 (2.43)	28.82 (2.68)
AEHID4068	2	50 3/4" (1289)	82" (2083)	51 1/4" (1302)	82 1/2" (2096)	26.32 (2.45)	43 13/16" (1113)	47 15/16" (1218)	79 1/16" (2008)	26.32 (2.45)	28.90 (2.68)
AEHID4068	1	50 3/4" (1289)	82" (2083)	51 1/4" (1302)	82 1/2" (2096)	12.59 (1.17)	20 7/8" (530)	22 15/16" (583)	79 1/16" (2008)	12.59 (1.17)	28.90 (2.68)
AEHID5068	2	62 3/4" (1594)	82" (2083)	63 1/4" (1607)	82 1/2" (2096)	32.91 (3.06)	55 13/16" (1418)	59 15/16" (1522)	79 1/16" (2008)	32.91 (3.06)	35.73 (3.32)
AEHID5068	1	62 3/4" (1594)	82" (2083)	63 1/4" (1607)	82 1/2" (2096)	15.89 (1.48)	26 7/8" (683)	28 15/16" (735)	79 1/16" (2008)	15.89 (1.48)	35.73 (3.32)
AEHID5468	2	66 3/4" (1695)	82" (2083)	67 1/4" (1708)	82 1/2" (2096)	35.10 (3.26)	59 13/16" (1519)	63 15/16" (1624)	79 1/16" (2008)	35.10 (3.26)	38.01 (3.53)
AEHID5468	1	66 3/4" (1695)	82" (2083)	67 1/4" (1708)	82 1/2" (2096)	16.99 (1.58)	28 13/16" (733)	30 15/16" (786)	79 1/16" (2008)	16.99 (1.58)	38.01 (3.53)
AEHID6068	2	74 3/4" (1899)	82" (2083)	75 1/4" (1911)	82 1/2" (2096)	39.50 (3.67)	67 13/16" (1722)	71 15/16" (1827)	79 1/16" (2008)	39.50 (3.67)	42.57 (3.95)
AEHID6068	1	74 3/4" (1899)	82" (2083)	75 1/4" (1911)	82 1/2" (2096)	19.18 (1.78)	32 7/8" (835)	34 15/16" (887)	79 1/16" (2008)	19.18 (1.78)	42.57 (3.95)
AEHID7068	2	86 3/4" (2203)	82" (2083)	87 1/4" (2216)	82 1/2" (2096)	46.09 (4.28)	79 13/16" (2027)	83 15/16" (2132)	79 1/16" (2008)	46.09 (4.28)	49.40 (4.59)
AEHID7068	1	86 3/4" (2203)	82" (2083)	87 1/4" (2216)	82 1/2" (2096)	22.48 (2.09)	38 13/16" (987)	40 15/16" (1040)	79 1/16" (2008)	22.48 (2.09)	49.40 (4.59)
AEHID4080	2	50 3/4" (1289)	95" (2413)	51 1/4" (1302)	95 1/2" (2426)	30.65 (2.85)	43 13/16" (1113)	47 15/16" (1218)	92 1/16" (2338)	30.65 (2.85)	33.48 (3.11)
AEHID4080	1	50 3/4" (1289)	95" (2413)	51 1/4" (1302)	95 1/2" (2426)	14.66 (1.36)	20 7/8" (530)	22 15/16" (583)	92 1/16" (2338)	14.66 (1.36)	33.48 (3.11)
AEHID5080	2	62 3/4" (1594)	95" (2413)	63 1/4" (1607)	95 1/2" (2426)	38.32 (3.56)	55 13/16" (1418)	59 15/16" (1522)	92 1/16" (2338)	38.32 (3.56)	41.40 (3.85)
AEHID5080	1	62 3/4" (1594)	95" (2413)	63 1/4" (1607)	95 1/2" (2426)	18.50 (1.72)	26 7/8" (683)	28 15/16" (735)	92 1/16" (2338)	18.50 (1.72)	41.40 (3.85)
AEHID5480	2	66 3/4" (1695)	95" (2413)	67 1/4" (1708)	95 1/2" (2426)	40.88 (3.80)	59 13/16" (1519)	63 15/16" (1624)	92 1/16" (2338)	40.88 (3.80)	44.04 (4.09)
AEHID5480	1	66 3/4" (1695)	95" (2413)	67 1/4" (1708)	95 1/2" (2426)	19.78 (1.84)	28 7/8" (733)	30 15/16" (786)	92 1/16" (2338)	19.78 (1.84)	44.04 (4.09)
AEHID6080	2	74 3/4" (1899)	95" (2413)	75 1/4" (1911)	95 1/2" (2426)	45.99 (4.27)	67 13/16" (1722)	71 15/16" (1827)	92 1/16" (2338)	45.99 (4.27)	49.31 (4.58)
AEHID6080	1	74 3/4" (1899)	95" (2413)	75 1/4" (1911)	95 1/2" (2426)	22.34 (2.08)	32 13/16" (835)	34 15/16" (887)	92 1/16" (2338)	22.34 (2.08)	49.31 (4.58)
AEHID7080	2	86 3/4" (2203)	95" (2413)	87 1/4" (2216)	95 1/2" (2426)	53.66 (4.99)	79 13/16" (2027)	83 15/16" (2132)	92 1/16" (2338)	53.66 (4.99)	57.23 (5.32)
AEHID7080	1	86 3/4" (2203)	95" (2413)	87 1/4" (2216)	95 1/2" (2426)	26.17 (2.43)	38 7/8" (987)	40 15/16" (1040)	92 1/16" (2338)	26.17 (2.43)	57.23 (5.32)

\* "Door Dimension" always refers to outside frame to frame dimension.  
 \* "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.  
 • Dimensions in parentheses are in millimeters or square meters.  
 \*For two-panel patio doors with one panel open, clear opening is based on active panel being open and passive panel being closed.



Custom-size doors are available in 1/8" (3) increments.

Available in custom designed panels, see page 186. Stationary doors are also available (i.e. AEOD2068S or AEOD4068SS).

**Rectangular Outswing Entry Door Dimensions and Specifications**

Door Number	Number of Panels Open*	Min. Rough Opening				Clear Opening Sq. Ft./ (m <sup>2</sup> )	Clear Opening Maximums			Vent Sq. Ft./ (m <sup>2</sup> )	Overall Door Area Sq. Ft./ (m <sup>2</sup> )
		Width Inches/(mm)	Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)		90° Width Inches/(mm)	Full Width Inches/(mm)	Height Inches/(mm)		
AEOD2068	1	25 1/16" (652)	82" (2083)	26 3/16" (665)	82 1/2" (2096)	12.68 (1.18)	21 1/8" (537)	23 1/16" (586)	79 3/16" (2011)	12.58 (1.17)	14.63 (1.36)
AEOD2668	1	31 1/16" (805)	82" (2083)	32 3/16" (818)	82 1/2" (2096)	15.98 (1.48)	27 1/8" (689)	29 1/16" (738)	79 3/16" (2011)	15.82 (1.47)	18.04 (1.68)
AEOD2868	1	33 1/16" (856)	82" (2083)	34 3/16" (868)	82 1/2" (2096)	17.08 (1.59)	29 1/8" (740)	31 1/16" (789)	79 3/16" (2011)	16.89 (1.57)	19.18 (1.78)
AEOD3068	1	37 1/16" (957)	82" (2083)	38 3/16" (970)	82 1/2" (2096)	19.28 (1.79)	33 1/8" (841)	35 1/16" (891)	79 3/16" (2011)	19.00 (1.77)	21.46 (1.99)
AEOD3668	1	43 1/16" (1110)	82" (2083)	44 3/16" (1122)	82 1/2" (2096)	22.58 (2.10)	39 1/8" (994)	41 1/16" (1043)	79 3/16" (2011)	22.13 (2.06)	24.88 (2.31)
AEOD2080	1	25 1/16" (652)	95" (2413)	26 3/16" (665)	95 1/2" (2426)	14.76 (1.37)	21 1/8" (537)	23 1/16" (586)	92 3/16" (2342)	14.66 (1.36)	16.95 (1.57)
AEOD2680	1	31 1/16" (805)	95" (2413)	32 3/16" (818)	95 1/2" (2426)	18.61 (1.73)	27 1/8" (689)	29 1/16" (738)	92 3/16" (2342)	18.45 (1.71)	20.90 (1.94)
AEOD2880	1	33 1/16" (856)	95" (2413)	34 3/16" (868)	95 1/2" (2426)	19.89 (1.85)	29 1/8" (740)	31 1/16" (789)	92 3/16" (2342)	19.69 (1.83)	22.22 (2.06)
AEOD3080	1	37 1/16" (957)	95" (2413)	38 3/16" (970)	95 1/2" (2426)	22.45 (2.09)	33 1/8" (841)	35 1/16" (891)	92 3/16" (2342)	22.17 (2.06)	24.86 (2.31)
AEOD3680	1	43 1/16" (1110)	95" (2413)	44 3/16" (1122)	95 1/2" (2426)	26.29 (2.44)	39 1/8" (994)	41 1/16" (1043)	92 3/16" (2342)	25.84 (2.40)	28.82 (2.68)
AEOD4068	2	50 3/4" (1289)	82" (2083)	51 1/4" (1302)	82 1/2" (2096)	26.46 (2.46)	44 3/16" (1122)	48 1/8" (1222)	79 3/16" (2011)	25.73 (2.39)	28.90 (2.68)
AEOD4068	1	50 3/4" (1289)	82" (2083)	51 1/4" (1302)	82 1/2" (2096)	12.65 (1.18)	21" (533)	23" (584)	79 3/16" (2011)	12.28 (1.14)	28.90 (2.68)
AEOD5068	2	62 3/4" (1594)	82" (2083)	63 1/4" (1607)	82 1/2" (2096)	33.06 (3.07)	56 3/16" (1427)	60 1/8" (1527)	79 3/16" (2011)	32.38 (3.01)	35.73 (3.32)
AEOD5068	1	62 3/4" (1594)	82" (2083)	63 1/4" (1607)	82 1/2" (2096)	15.95 (1.48)	27" (686)	29" (737)	79 3/16" (2011)	15.60 (1.45)	35.73 (3.32)
AEOD5468	2	66 3/4" (1695)	82" (2083)	67 1/4" (1708)	82 1/2" (2096)	35.26 (3.28)	60 3/16" (1529)	64 1/8" (1629)	79 3/16" (2011)	34.43 (3.20)	38.01 (3.53)
AEOD5468	1	66 3/4" (1695)	82" (2083)	67 1/4" (1708)	82 1/2" (2096)	17.05 (1.58)	29" (737)	31" (787)	79 3/16" (2011)	16.63 (1.54)	38.01 (3.53)
AEOD6068	2	74 3/4" (1899)	82" (2083)	75 1/4" (1911)	82 1/2" (2096)	39.66 (3.68)	68 3/16" (1732)	72 1/8" (1832)	79 3/16" (2011)	38.48 (3.57)	42.57 (3.95)
AEOD6068	1	74 3/4" (1899)	82" (2083)	75 1/4" (1911)	82 1/2" (2096)	19.25 (1.79)	33" (838)	35" (889)	79 3/16" (2011)	18.65 (1.73)	42.57 (3.95)
AEOD7068	2	86 3/4" (2203)	82" (2083)	87 1/4" (2216)	82 1/2" (2096)	46.26 (4.30)	80 3/16" (2037)	84 1/8" (2137)	79 3/16" (2011)	44.37 (4.12)	49.40 (4.59)
AEOD7068	1	86 3/4" (2203)	82" (2083)	87 1/4" (2216)	82 1/2" (2096)	22.55 (2.09)	39" (991)	41" (1041)	79 3/16" (2011)	21.60 (2.01)	49.40 (4.59)
AEOD4080	2	50 3/4" (1289)	95" (2413)	51 1/4" (1302)	95 1/2" (2426)	30.81 (2.86)	44 3/16" (1122)	48 1/8" (1222)	92 3/16" (2342)	30.08 (2.79)	33.48 (3.11)
AEOD4080	1	50 3/4" (1289)	95" (2413)	51 1/4" (1302)	95 1/2" (2426)	14.72 (1.37)	21" (533)	23" (584)	92 3/16" (2342)	14.36 (1.33)	33.48 (3.11)
AEOD5080	2	62 3/4" (1594)	95" (2413)	63 1/4" (1607)	95 1/2" (2426)	38.49 (3.58)	56 3/16" (1427)	60 1/8" (1527)	92 3/16" (2342)	37.80 (3.51)	41.40 (3.85)
AEOD5080	1	62 3/4" (1594)	95" (2413)	63 1/4" (1607)	95 1/2" (2426)	18.57 (1.73)	27" (686)	29" (737)	92 3/16" (2342)	18.22 (1.69)	41.40 (3.85)
AEOD5480	2	66 3/4" (1695)	95" (2413)	67 1/4" (1708)	95 1/2" (2426)	41.05 (3.81)	60 3/16" (1529)	64 1/8" (1629)	92 3/16" (2342)	40.22 (3.74)	44.04 (4.09)
AEOD5480	1	66 3/4" (1695)	95" (2413)	67 1/4" (1708)	95 1/2" (2426)	19.85 (1.84)	29" (737)	31" (787)	92 3/16" (2342)	19.43 (1.81)	44.04 (4.09)
AEOD6080	2	74 3/4" (1899)	95" (2413)	75 1/4" (1911)	95 1/2" (2426)	46.17 (4.29)	68 3/16" (1732)	72 1/8" (1832)	92 3/16" (2342)	44.99 (4.18)	49.31 (4.58)
AEOD6080	1	74 3/4" (1899)	95" (2413)	75 1/4" (1911)	95 1/2" (2426)	22.41 (2.08)	33" (838)	35" (889)	92 3/16" (2342)	21.81 (2.03)	49.31 (4.58)
AEOD7080	2	86 3/4" (2203)	95" (2413)	87 1/4" (2216)	95 1/2" (2426)	53.86 (5.00)	80 3/16" (2037)	84 1/8" (2137)	92 3/16" (2342)	51.96 (4.83)	57.23 (5.32)
AEOD7080	1	86 3/4" (2203)	95" (2413)	87 1/4" (2216)	95 1/2" (2426)	26.25 (2.44)	39" (991)	41" (1041)	92 3/16" (2342)	25.30 (2.35)	57.23 (5.32)

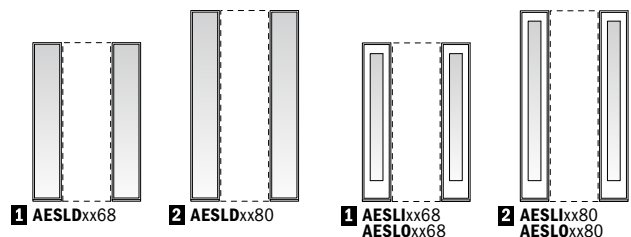
- \* "Door Dimension" always refers to outside frame to frame dimension.
- \* "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- \* Dimensions in parentheses are in millimeters or square meters.
- \* For two-panel patio doors with one panel open, clear opening is based on active panel being open and passive panel being closed.

**Direct-Set Rectangular Entry Door Sidelight Dimensions and Specifications**

Sidelight Number	Sidelight Dimensions		Min. Rough Opening		Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Sidelight Area Sq. Ft./ (m <sup>2</sup> )
	Width Inches/(mm)	Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)		
AESLD0868	9 15/16" (252)	82" (2083)	10 1/16" (265)	82 1/2" (2096)	3.77 (0.35)	5.66 (0.53)
AESLD1068	15 15/16" (405)	82" (2083)	16 7/16" (418)	82 1/2" (2096)	7.03 (0.65)	9.08 (0.84)
AESLD2068	25 1/16" (652)	82" (2083)	26 3/16" (665)	82 1/2" (2096)	12.32 (1.14)	14.63 (1.36)
AESLD3068	37 1/16" (957)	82" (2083)	38 3/16" (970)	82 1/2" (2096)	18.84 (1.75)	21.46 (1.99)
AESLD0880	9 15/16" (252)	95" (2413)	10 1/16" (265)	95 1/2" (2426)	4.40 (0.41)	6.56 (0.61)
AESLD1080	15 15/16" (405)	95" (2413)	16 7/16" (418)	95 1/2" (2426)	8.19 (0.76)	10.51 (0.98)
AESLD2080	25 1/16" (652)	95" (2413)	26 3/16" (665)	95 1/2" (2426)	14.37 (1.33)	16.95 (1.57)
AESLD3080	37 1/16" (957)	95" (2413)	38 3/16" (970)	95 1/2" (2426)	21.97 (2.04)	24.86 (2.31)

- \* Sidelight Dimension always refers to outside frame to frame dimension.
- \* "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- \* Dimensions in parentheses are in millimeters or square meters.

**Direct-Set & Sash-Set Rectangular Entry Door Sidelights**



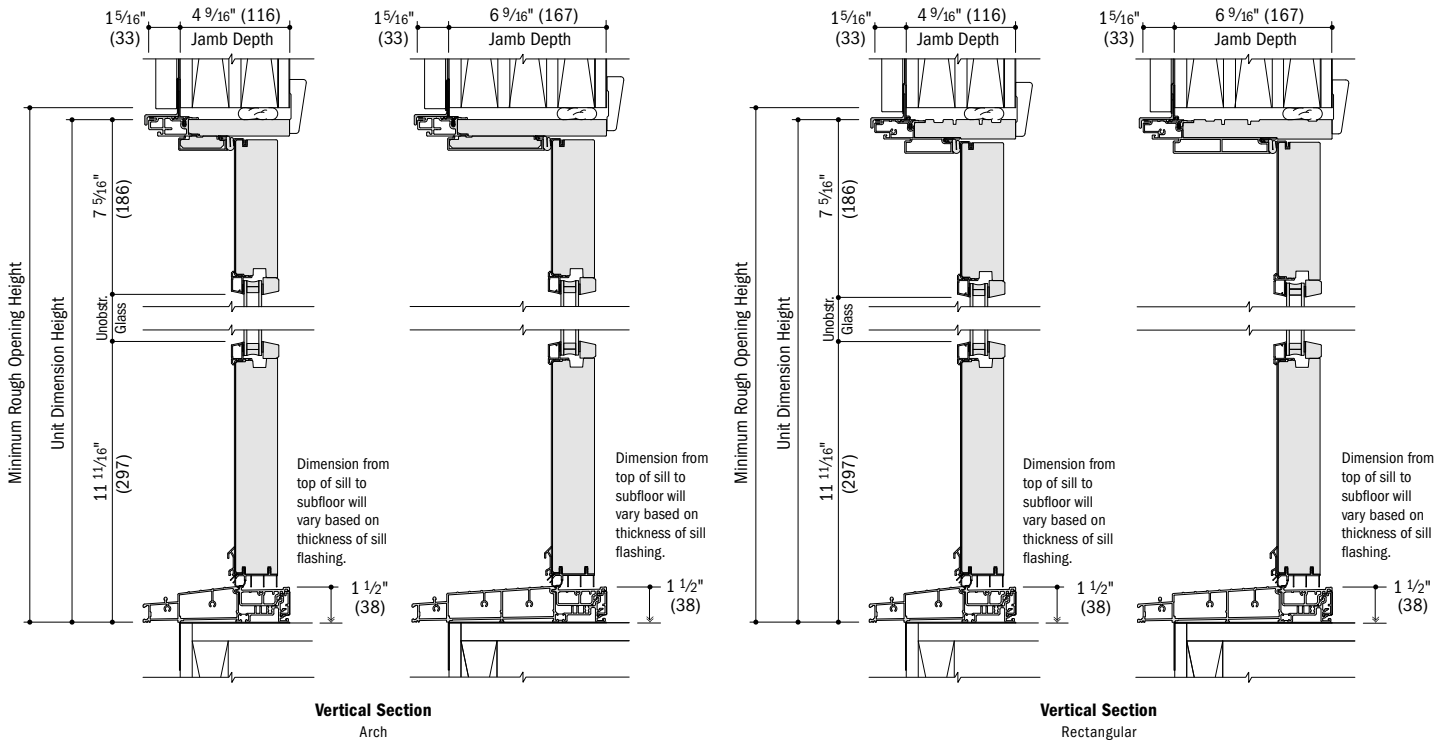
Direct-set (AESLD), sash-set inswing (AESLI) and sash-set outswing (AESLO) entry door sidelights shown. Dimensions and specifications shown for direct-set sidelights, contact your Andersen supplier for sash-set sidelight dimensions and specifications.

Residential Inswing & Outswing Entry Doors & Sidelights

# RESIDENTIAL ENTRY DOORS

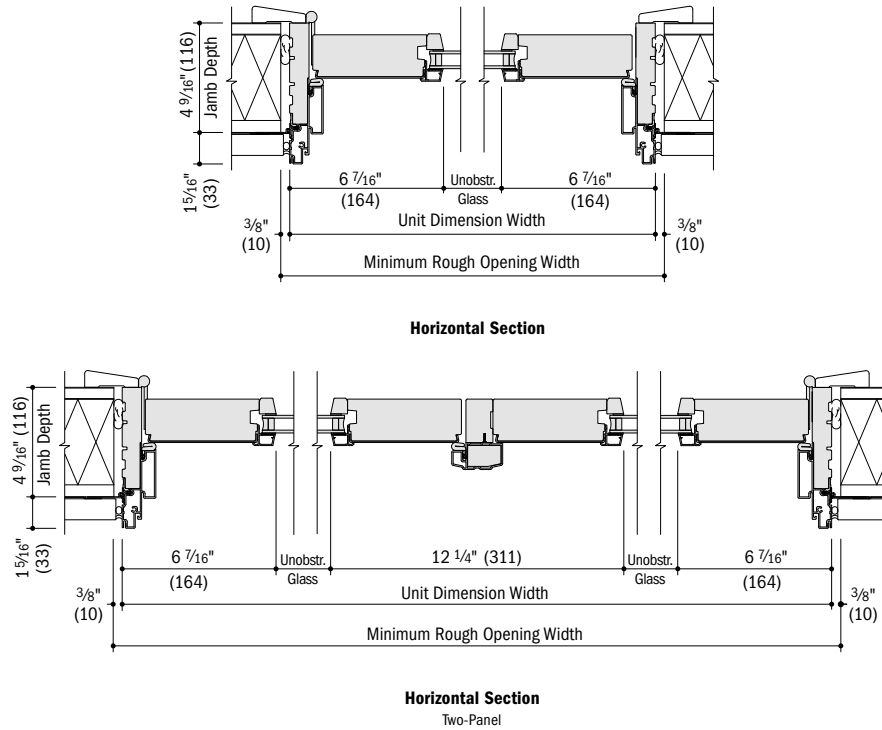
## Arch and Rectangular Inswing Entry Door Details – 4 9/16" (116) and 6 9/16" (167) Jamb Depth

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



## Arch and Rectangular Inswing Entry Door Details – 4 9/16" (116) Jamb Depth

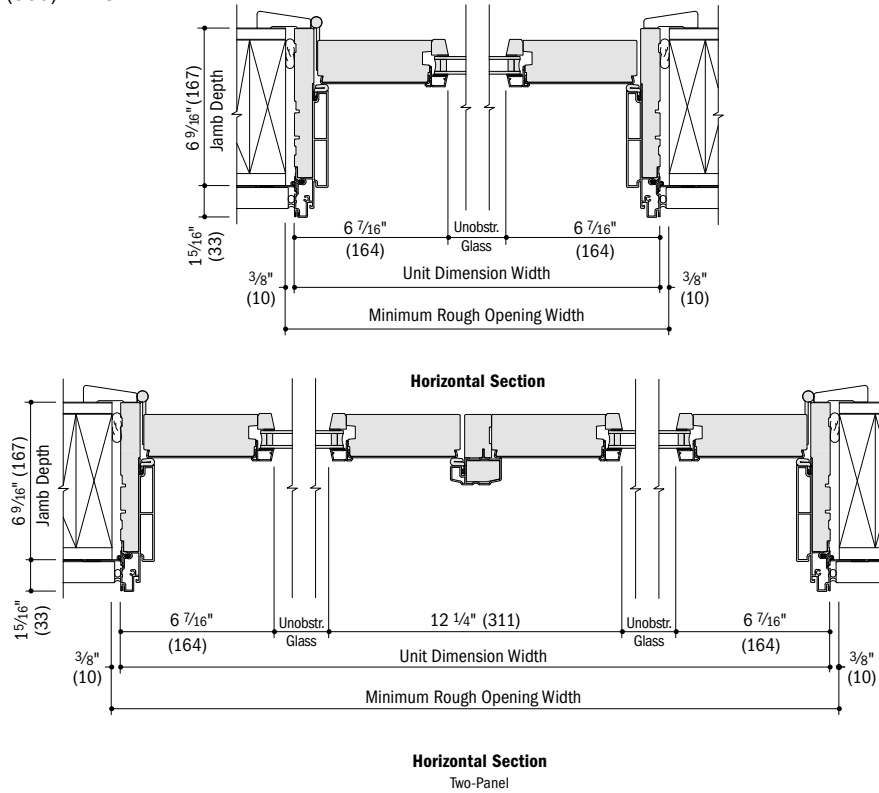
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



- 4 9/16" (116) and 6 9/16" (167) jamb depth measurements are from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Dimensions in parentheses are in millimeters.
- Clad details shown, wood also available.

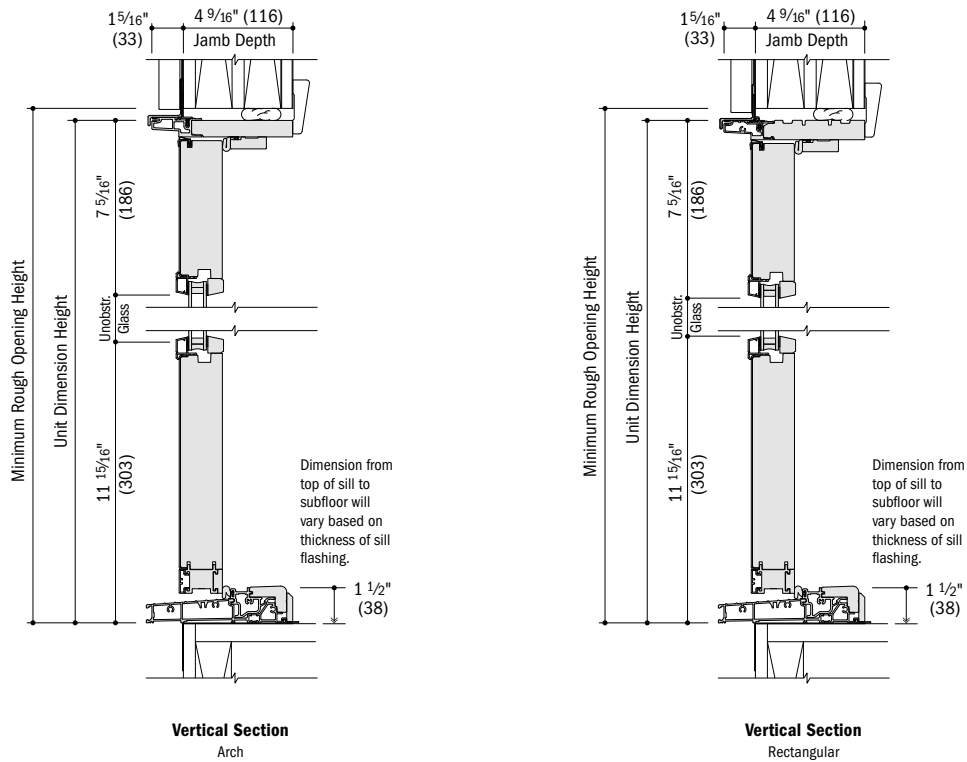
**Arch and Rectangular Inswing Entry Door Details – 6 9/16" (167) Jamb Depth**

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



**Arch and Rectangular Outswing Entry Door Details**

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



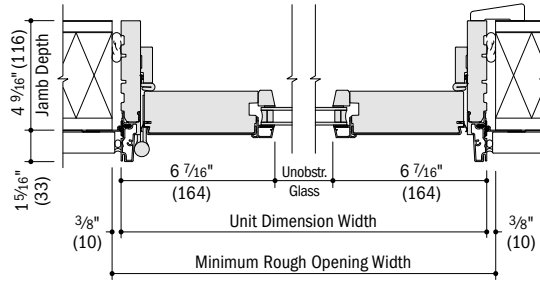
- 4 9/16" (116) and 6 9/16" (167) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with window and/or door. Dark-colored areas are additional Andersen® parts required to complete window and/or door assembly as shown.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Dimensions in parentheses are in millimeters.
- Clad details shown, wood also available.

Residential Inswing & Outswing Entry Doors & Sidelights

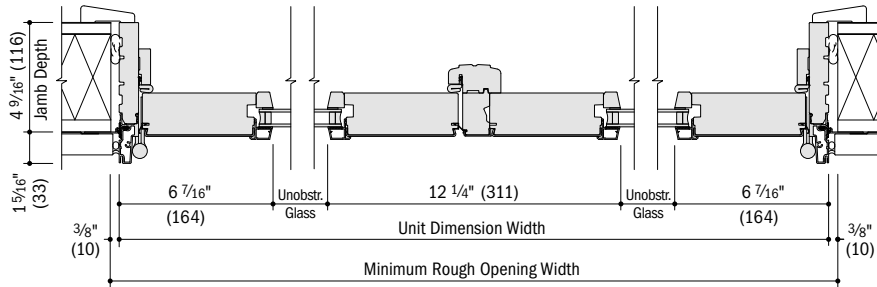
# RESIDENTIAL ENTRY DOORS

## Arch and Rectangular Outswing Entry Door Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



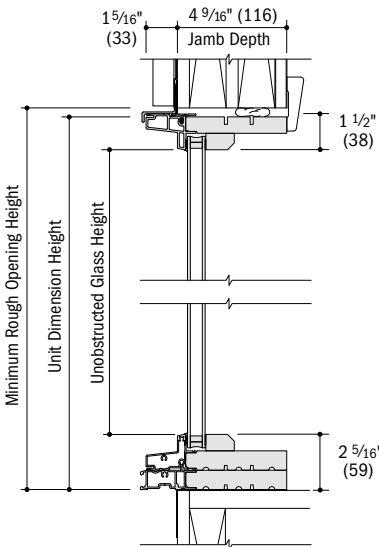
Horizontal Section



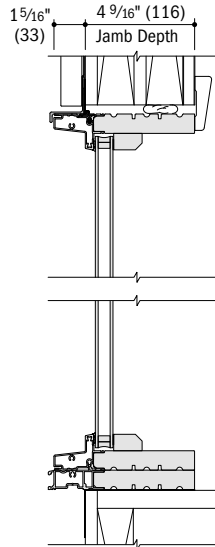
Horizontal Section  
Two-Panel

## Arch and Rectangular Entry Door Sidelight Details

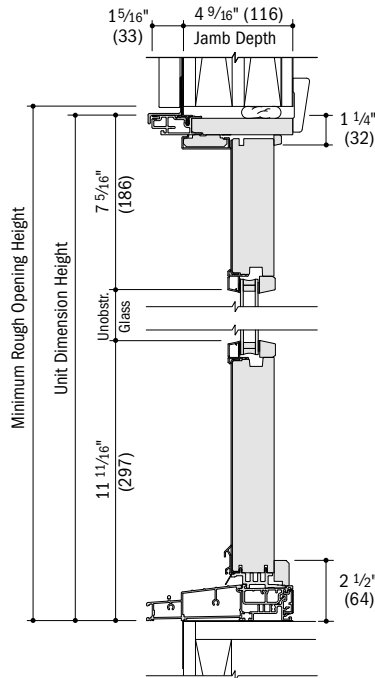
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



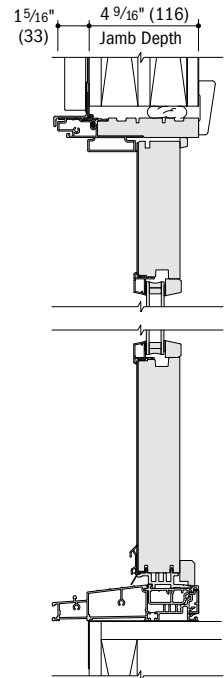
Vertical Section  
Direct-Set Arch



Vertical Section  
Direct-Set Rectangular



Vertical Section  
Sash-Set Arch



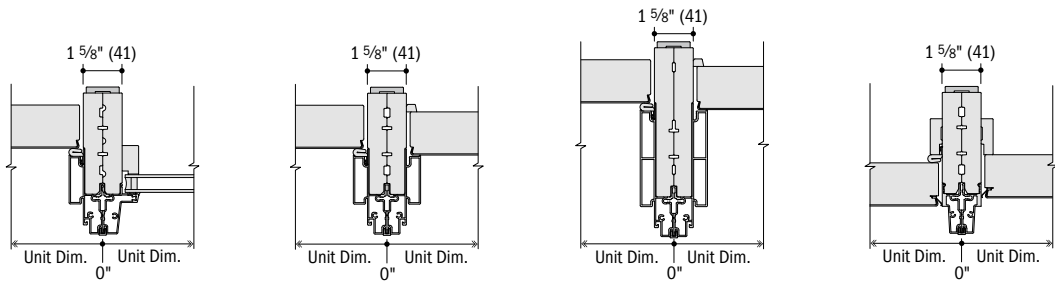
Vertical Section  
Sash-Set Rectangular

- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Dimensions in parentheses are in millimeters.
- Clad details shown, wood also available.



**Vertical Jamb-to-Jamb Joining Details**

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



**Inswing Entry Door to Direct-Set Arch or Rectangular Sidelight**  
4 9/16" (116) Jamb Depth

**Inswing Entry Door to Sash-Set Arch or Rectangular Sidelight**  
4 9/16" (116) Jamb Depth

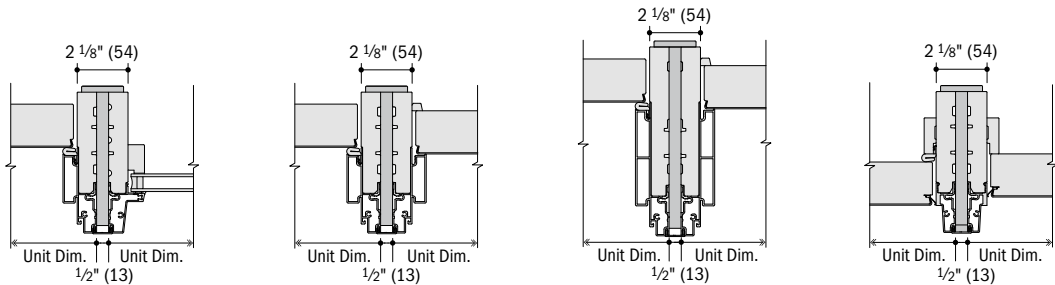
**Inswing Entry Door to Sash-Set Arch or Rectangular Sidelight**  
6 9/16" (167) Jamb Depth

**Outswing Entry Door to Sash-Set Arch or Rectangular Sidelight**  
4 9/16" (116) Jamb Depth

Non-reinforced jamb to jamb and 1/2" (13) wide wood joining shown. 1" (25) and 2" (51) wide joining also available. Contact your Andersen supplier for additional joining information.

**Vertical Wood Joining Details**

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



**Inswing Entry Door to Direct-Set Arch or Rectangular Sidelight**  
4 9/16" (116) Jamb Depth

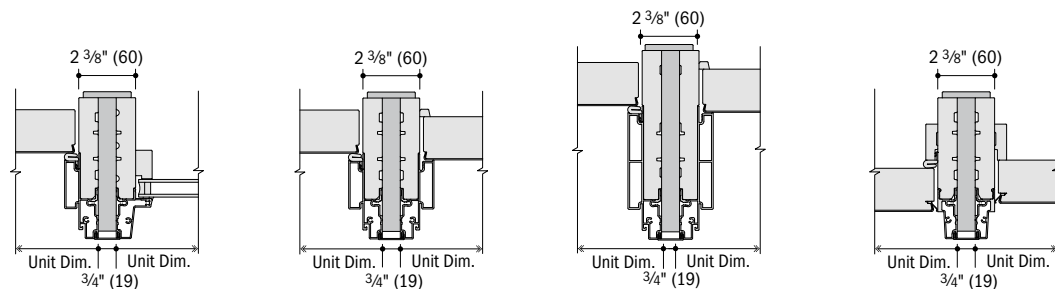
**Inswing Entry Door to Sash-Set Arch or Rectangular Sidelight**  
4 9/16" (116) Jamb Depth

**Inswing Entry Door to Sash-Set Arch or Rectangular Sidelight**  
6 9/16" (167) Jamb Depth

**Outswing Entry Door to Sash-Set Arch or Rectangular Sidelight**  
4 9/16" (116) Jamb Depth

**Vertical LVL Joining Details**

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



**Inswing Entry Door to Direct-Set Arch or Rectangular Sidelight**  
4 9/16" (116) Jamb Depth

**Inswing Entry Door to Sash-Set Arch or Rectangular Sidelight**  
4 9/16" (116) Jamb Depth

**Inswing Entry Door to Sash-Set Arch or Rectangular Sidelight**  
6 9/16" (167) Jamb Depth

**Outswing Entry Door to Sash-Set Arch or Rectangular Sidelight**  
4 9/16" (116) Jamb Depth

- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at [andersenwindows.com](http://andersenwindows.com).
- Consult with an architect or structural engineer regarding minimum requirements for structural support members between adjacent rough openings.
- Dimensions in parentheses are in millimeters.
- Clad details shown, wood also available.

Residential Inswing & Outswing Entry Doors & Sidelights

# ENTRY DOOR TRANSOMS

## FEATURES



Transoms are sized to fit over Andersen® residential and commercial entry doors and other Andersen products. They are also available in custom sizes. Contact your Andersen supplier for details.

### Frame

A thick aluminum cladding finish comes standard and meets AAMA 2604. An optional finish that meets the AAMA 2605 standard is available.

4 9/16" (116) jamb depth for 2x4 wall construction.  
6 9/16" (167) jamb depth is also available.

All shapes are available direct-set. Rectangle, arch and half circle shapes are also available sash-set to match door stiles.

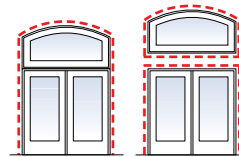
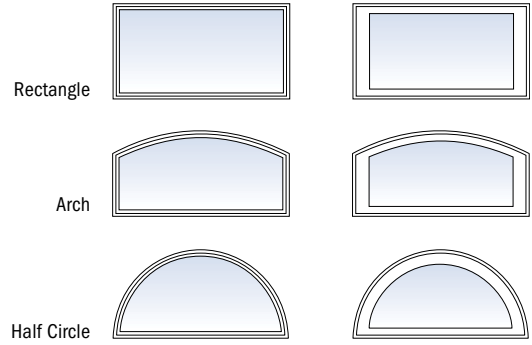
### Shapes

Available in a wide variety of shapes including rectangle, arch, half circle, elliptical and Springline™ windows.

See page 201 for exterior colors, interior wood species, glass and other options.

### Direct-Set

### Sash-Set



Andersen entry doors and entry door transoms may be combined using joining materials or can be installed in separate rough openings for a joined appearance. They may also be combined with other units. Contact your Andersen supplier for more information.

## Direct-Set Rectangular Entry Door Transom Dimensions and Specifications

Transom Number	Sidelight Dimensions		Min. Rough Opening		Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Sidelight Area Sq. Ft./ (m <sup>2</sup> )
	Width Inches/(mm)	Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)		
AETD0812	9 15/16" (252)	12 13/16" (325)	10 7/16" (265)	13 3/16" (338)	0.47 (0.04)	0.88 (0.08)
AETD1012	15 15/16" (405)	12 13/16" (325)	16 7/16" (418)	13 5/16" (338)	0.88 (0.08)	1.42 (0.13)
AETD2012	25 11/16" (652)	12 13/16" (325)	26 3/16" (665)	13 5/16" (338)	1.55 (0.14)	2.29 (0.21)
AETD2612	31 11/16" (805)	12 13/16" (325)	32 3/16" (818)	13 5/16" (338)	1.95 (0.18)	2.82 (0.26)
AETD2812	33 11/16" (856)	12 13/16" (325)	34 3/16" (868)	13 5/16" (338)	2.09 (0.19)	3.00 (0.28)
AETD3012	37 11/16" (957)	12 13/16" (325)	38 3/16" (970)	13 5/16" (338)	2.36 (0.22)	3.35 (0.31)
AETD3612	43 11/16" (1110)	12 13/16" (325)	44 3/16" (1122)	13 5/16" (338)	2.77 (0.26)	3.89 (0.36)
AETD4012	50 3/4" (1289)	12 13/16" (325)	51 1/4" (1302)	13 5/16" (338)	3.25 (0.30)	4.52 (0.42)
AETD5012	62 3/4" (1594)	12 13/16" (325)	63 1/4" (1607)	13 5/16" (338)	4.07 (0.38)	5.58 (0.52)
AETD5412	66 3/4" (1695)	12 13/16" (325)	67 1/4" (1708)	13 5/16" (338)	4.34 (0.40)	5.94 (0.55)
AETD6012	74 3/4" (1899)	12 13/16" (325)	75 1/4" (1911)	13 5/16" (338)	4.89 (0.45)	6.65 (0.62)
AETD7012	86 3/4" (2203)	12 13/16" (325)	87 1/4" (2216)	13 5/16" (338)	5.71 (0.53)	7.72 (0.72)
AETD0817	9 15/16" (252)	17 13/16" (452)	10 7/16" (265)	18 5/16" (465)	0.71 (0.07)	1.23 (0.11)
AETD1017	15 15/16" (405)	17 13/16" (452)	16 7/16" (418)	18 5/16" (465)	1.33 (0.12)	1.97 (0.18)
AETD2017	25 11/16" (652)	17 13/16" (452)	26 3/16" (665)	18 5/16" (465)	2.33 (0.22)	3.18 (0.30)
AETD2617	31 11/16" (805)	17 13/16" (452)	32 3/16" (818)	18 5/16" (465)	2.95 (0.27)	3.92 (0.36)
AETD2817	33 11/16" (856)	17 13/16" (452)	34 3/16" (868)	18 5/16" (465)	3.16 (0.29)	4.17 (0.39)
AETD3017	37 11/16" (957)	17 13/16" (452)	38 3/16" (970)	18 5/16" (465)	3.57 (0.33)	4.66 (0.43)
AETD3617	43 11/16" (1110)	17 13/16" (452)	44 3/16" (1122)	18 5/16" (465)	4.19 (0.39)	5.40 (0.50)
AETD4017	50 3/4" (1289)	17 13/16" (452)	51 1/4" (1302)	18 5/16" (465)	4.91 (0.46)	6.28 (0.58)
AETD5017	62 3/4" (1594)	17 13/16" (452)	63 1/4" (1607)	18 5/16" (465)	6.15 (0.57)	7.76 (0.72)
AETD5417	66 3/4" (1695)	17 13/16" (452)	67 1/4" (1708)	18 5/16" (465)	6.56 (0.61)	8.26 (0.77)
AETD6017	74 3/4" (1899)	17 13/16" (452)	75 1/4" (1911)	18 5/16" (465)	7.38 (0.69)	9.25 (0.86)
AETD7017	86 3/4" (2203)	17 13/16" (452)	87 1/4" (2216)	18 5/16" (465)	8.61 (0.80)	10.73 (1.00)
AETD08111	9 15/16" (252)	21 13/16" (554)	10 7/16" (265)	22 5/16" (567)	0.91 (0.08)	1.51 (0.14)
AETD10111	15 15/16" (405)	21 13/16" (554)	16 7/16" (418)	22 5/16" (567)	1.69 (0.16)	2.41 (0.22)
AETD20111	25 11/16" (652)	21 13/16" (554)	26 3/16" (665)	22 5/16" (567)	2.96 (0.27)	3.89 (0.36)
AETD26111	31 11/16" (805)	21 13/16" (554)	32 3/16" (818)	22 5/16" (567)	3.75 (0.35)	4.80 (0.45)
AETD28111	33 11/16" (856)	21 13/16" (554)	34 3/16" (868)	22 5/16" (567)	4.01 (0.37)	5.10 (0.47)
AETD30111	37 11/16" (957)	21 13/16" (554)	38 3/16" (970)	22 5/16" (567)	4.53 (0.42)	5.71 (0.53)

continued on next page



Custom-size windows are available in 1/8" (3) increments.



Direct-Set Rectangular Entry Door Transom

Direct-set transoms (AETD) provide maximum unobstructed glass. Direct-set dimensions and specifications shown.



Sash-Set Rectangular Entry Door Transoms

Sash-set single (AETXXX-1) and twin (AETXXX-2) transoms are also available. Contact your Andersen supplier for dimensions and specifications.

- "Transom Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters or square meters.



**Direct-Set Rectangular Entry Door Transom Dimensions and Specifications** (continued)

Transom Number	Sidelight Dimensions		Min. Rough Opening		Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Sidelight Area Sq. Ft./ (m <sup>2</sup> )
	Width Inches/(mm)	Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)		
AETD36111	43 11/16" (1110)	21 13/16" (554)	44 3/16" (1122)	22 5/16" (567)	5.32 (0.49)	6.62 (0.61)
AETD40111	50 3/4" (1289)	21 13/16" (554)	51 1/4" (1302)	22 5/16" (567)	6.24 (0.58)	7.69 (0.71)
AETD50111	62 3/4" (1594)	21 13/16" (554)	63 1/4" (1607)	22 5/16" (567)	7.81 (0.73)	9.51 (0.88)
AETD54111	66 3/4" (1695)	21 13/16" (554)	67 1/4" (1708)	22 5/16" (567)	8.33 (0.77)	10.11 (0.94)
AETD60111	74 3/4" (1899)	21 13/16" (554)	75 1/4" (1911)	22 5/16" (567)	9.37 (0.87)	11.32 (1.05)
AETD70111	86 3/4" (2203)	21 13/16" (554)	87 1/4" (2216)	22 5/16" (567)	10.94 (1.02)	13.14 (1.22)
AETD0827	9 15/16" (252)	30" (762)	10 7/16" (265)	30 1/2" (775)	1.30 (0.12)	2.07 (0.19)
AETD1027	15 15/16" (405)	30" (762)	16 7/16" (418)	30 1/2" (775)	2.43 (0.23)	3.32 (0.31)
AETD2027	25 11/16" (652)	30" (762)	26 3/16" (665)	30 1/2" (775)	4.25 (0.39)	5.35 (0.50)
AETD2627	31 11/16" (805)	30" (762)	32 3/16" (818)	30 1/2" (775)	5.38 (0.50)	6.60 (0.61)
AETD2827	33 11/16" (856)	30" (762)	34 3/16" (868)	30 1/2" (775)	5.75 (0.53)	7.02 (0.65)
AETD3027	37 11/16" (957)	30" (762)	38 3/16" (970)	30 1/2" (775)	6.50 (0.60)	7.85 (0.73)
AETD3627	43 11/16" (1110)	30" (762)	44 3/16" (1122)	30 1/2" (775)	7.63 (0.71)	9.10 (0.85)
AETD4027	50 3/4" (1289)	30" (762)	51 1/4" (1302)	30 1/2" (775)	8.95 (0.83)	10.57 (0.98)
AETD5027	62 3/4" (1594)	30" (762)	63 1/4" (1607)	30 1/2" (775)	11.20 (1.04)	13.07 (1.21)
AETD5427	66 3/4" (1695)	30" (762)	67 1/4" (1708)	30 1/2" (775)	11.95 (1.11)	13.91 (1.29)
AETD6027	74 3/4" (1899)	30" (762)	75 1/4" (1911)	30 1/2" (775)	13.45 (1.25)	15.57 (1.45)
AETD7027	86 3/4" (2203)	30" (762)	87 1/4" (2216)	30 1/2" (775)	15.70 (1.46)	18.07 (1.68)
AETD4029	50 3/4" (1289)	32" (813)	51 1/4" (1302)	32 1/2" (826)	9.62 (0.89)	11.28 (1.05)
AETD5029	62 3/4" (1594)	32" (813)	63 1/4" (1607)	32 1/2" (826)	12.03 (1.12)	13.94 (1.30)
AETD5429	66 3/4" (1695)	32" (813)	67 1/4" (1708)	32 1/2" (826)	12.84 (1.19)	14.83 (1.38)
AETD6029	74 3/4" (1899)	32" (813)	75 1/4" (1911)	32 1/2" (826)	14.45 (1.34)	16.61 (1.54)
AETD7029	86 3/4" (2203)	32" (813)	87 1/4" (2216)	32 1/2" (826)	16.87 (1.57)	19.28 (1.79)
AETD4041	50 3/4" (1289)	48" (1219)	51 1/4" (1302)	48 1/2" (1232)	14.92 (1.39)	16.92 (1.57)
AETD5041	62 3/4" (1594)	48" (1219)	63 1/4" (1607)	48 1/2" (1232)	18.67 (1.73)	20.92 (1.94)
AETD5441	66 3/4" (1695)	48" (1219)	67 1/4" (1708)	48 1/2" (1232)	19.92 (1.85)	22.25 (2.07)
AETD6041	74 3/4" (1899)	48" (1219)	75 1/4" (1911)	48 1/2" (1232)	22.42 (2.08)	24.92 (2.32)
AETD7041	86 3/4" (2203)	48" (1219)	87 1/4" (2216)	48 1/2" (1232)	26.17 (2.43)	28.92 (2.69)
AETD4051	50 3/4" (1289)	60" (1524)	51 1/4" (1302)	60 1/2" (1537)	18.90 (1.76)	21.15 (1.96)
AETD5051	62 3/4" (1594)	60" (1524)	63 1/4" (1607)	60 1/2" (1537)	23.65 (2.20)	26.15 (2.43)
AETD5451	66 3/4" (1695)	60" (1524)	67 1/4" (1708)	60 1/2" (1537)	25.23 (2.34)	27.81 (2.58)
AETD6051	74 3/4" (1899)	60" (1524)	75 1/4" (1911)	60 1/2" (1537)	28.40 (2.64)	31.15 (2.89)
AETD7051	86 3/4" (2203)	60" (1524)	87 1/4" (2216)	60 1/2" (1537)	33.15 (3.08)	36.15 (3.36)



Custom-size windows are available in 1/8" (3) increments.



Direct-Set Rectangular Entry Door Transom

Direct-set transoms (AETD) provide maximum unobstructed glass. Direct-set dimensions and specifications shown.



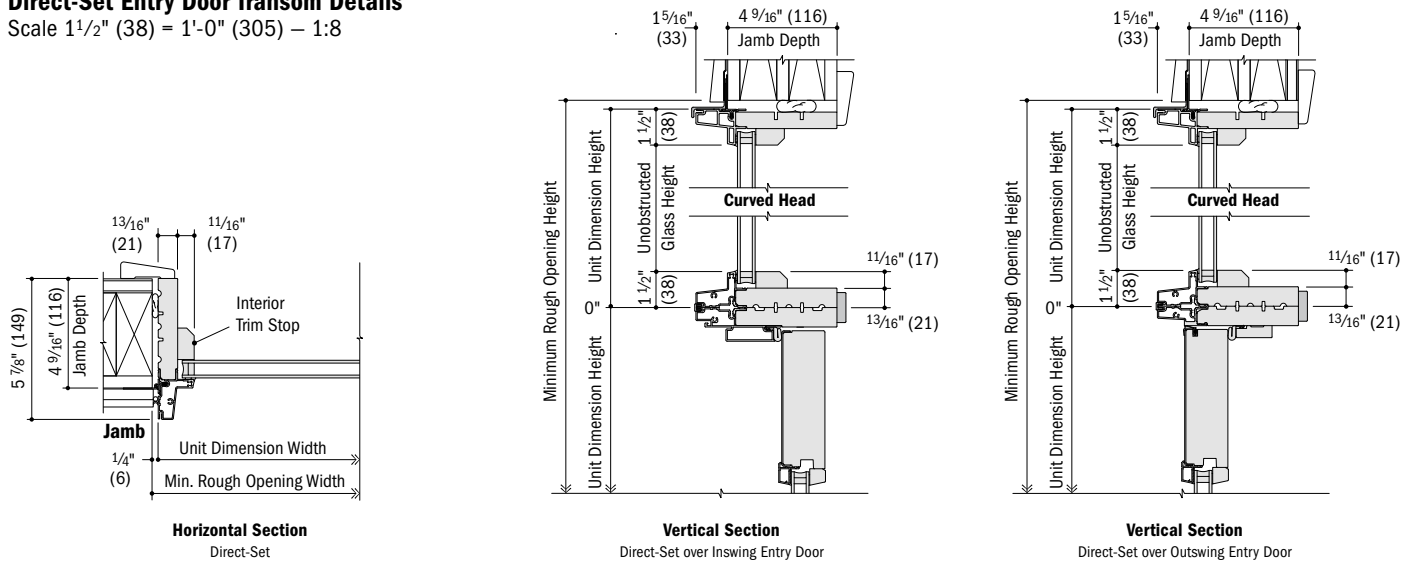
Sash-Set Rectangular Entry Door Transoms

Sash-set single (AETXXX-1) and twin (AETXXX-2) transoms are also available. Contact your Andersen supplier for dimensions and specifications.

- "Transom Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters or square meters.

**Direct-Set Entry Door Transom Details**

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



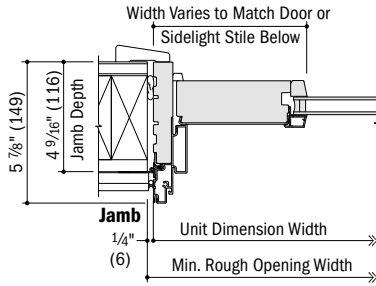
- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with window and/or door. Dark-colored areas are additional Andersen® parts required to complete window and/or door assembly as shown.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Dimensions in parentheses are in millimeters.
- Clad details shown, wood also available.
- Transoms are available in both 4 9/16" (116) and 6 9/16" (167) jamb depths.

Residential & Commercial Entry Door Transoms

# ENTRY DOOR TRANSOMS

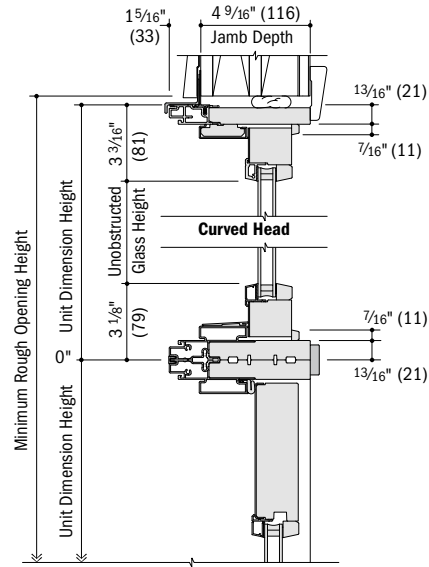
## Sash-Set Entry Door Transom Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



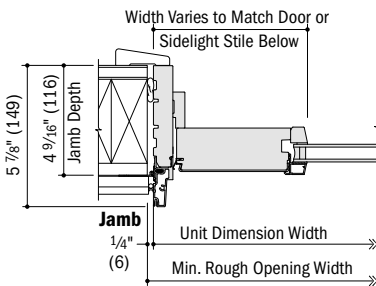
**Horizontal Section**

Sash-Set Transom for Inswing Entry Door



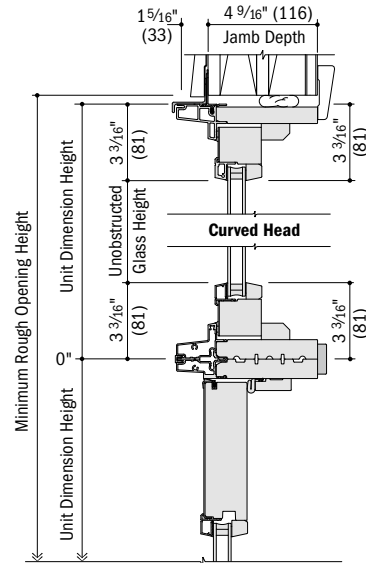
**Vertical Section**

Sash-Set Transom over Inswing Entry Door



**Horizontal Section**

Sash-Set Transom for Outswing Entry Door



**Vertical Section**

Sash-Set Transom over Outswing Entry Door

- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with window and/or door. Dark-colored areas are additional Andersen® parts required to complete window and/or door assembly as shown.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Dimensions in parentheses are in millimeters.
- Clad details shown, wood also available.
- Transoms are available in both 4 9/16" (116) and 6 9/16" (167) jamb depths.

# COMMERCIAL OUTSWING ENTRY DOORS

## FEATURES

### Frame

**A** Standard commercial entry door sizes include 6'-10" (2083), 7'-1 5/16" (2167) and 7'-11" (2413) heights. Also available in custom sizes. Contact your Andersen supplier for details.

Thick aluminum cladding finish. Standard cladding finish meets AAMA 2604. An optional finish that meets the AAMA 2605 standard is available. Optional wood exteriors also available.

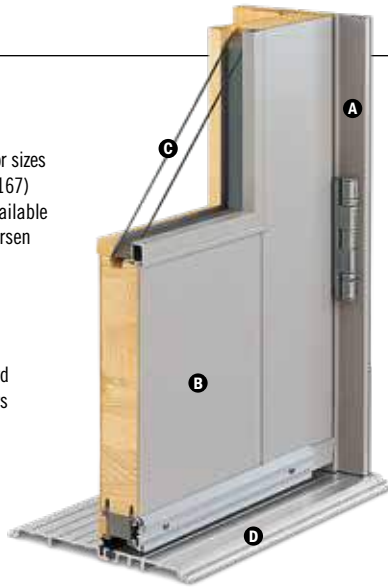
Interior extension jambs available in 1/16" (1.5) increments between 5 1/16" (129) and 12" (305).

### Panel

**B** Standard offering is a 10" (254) bottom rail with 7 1/2" (191) top rail to conceal closure hardware. Optional 12" (305) bottom rail and custom width styles are also available. Contact your Andersen supplier for details.

Complies with accessibility requirements for commercial and residential applications. Check local building codes, including the Americans with Disabilities Act (ADA) accessibility.

Commercial-grade ball-bearing hinges with a stainless steel look.



### Sill



**D** Low-threshold thermally broken mill-finished aluminum sill is standard. Bronze anodized finish is also available. Innovative dam design helps resist water infiltration. The sill can be extended to the interior for various wall conditions.

### Glass

**C** High-Performance glass options include:

- Low-E4® tempered glass
- Low-E4 HeatLock® tempered glass
- Low-E4 Sun tempered glass
- Low-E4 SmartSun™ tempered glass
- Low-E4 SmartSun HeatLock tempered glass

Additional glass options are available. Contact your Andersen supplier.

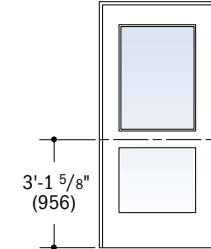
A removable translucent film helps shield the glass from damage during delivery and construction and also simplifies finishing at the jobsite.

## ACCESSORIES Sold Separately

### Hardware

Accepts standard commercial closer, panic bar, kick plate and hardware systems from most manufacturers.

4 3/4" (121) intermediate rail can be added to facilitate mounting of exit hardware.



### Grilles & Art Glass

Grilles are available in a variety of configurations and widths. Decorative insulated art glass designs are available.

For more information about glass, grilles and installation accessories, contact your Andersen supplier.

## EXTERIOR CLAD Custom colors available.



White Canvas Sandtone Terratone



Forest Green Dark Bronze Dove Gray Prairie Grass



Red Rock Cocoa Bean Black

## EXTERIOR / INTERIOR

**WOOD SPECIES** Additional wood species available.



Pine Maple Oak Alder



Cherry Mahogany\* Hickory Walnut

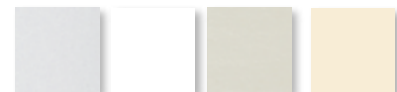


Mixed Grain Douglas Fir Vertical Grain Douglas Fir

Naturally occurring variations in grain, color and texture of wood make each door one-of-a-kind. All wood interiors are unfinished unless a painted option is specified.

## INTERIOR

**PAINTED OPTIONS** Available on pine.



White Birch Bark Primed (for paint) Canvas



Sandtone Terratone Forest Green Dark Bronze



Dove Gray Prairie Grass Red Rock Cocoa Bean



Black

\* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

Dimensions in parentheses are in millimeters.

Printing limitations prevent exact duplication of colors and finishes. See your Andersen supplier for actual color and finish samples.

# COMMERCIAL OUTSWING ENTRY DOORS

**Table of Commercial Outswing Entry Door and Sidelight Sizes**

Scale  $\frac{1}{8}'' = 1'-0''$  (1:96)

Door Dimension	$1'-3 \frac{15}{16}''$ (405)	$2'-1 \frac{11}{16}''$ (652)	$2'-7 \frac{11}{16}''$ (805)	$2'-9 \frac{11}{16}''$ (856)	$3'-1 \frac{11}{16}''$ (957)	$3'-9 \frac{15}{16}''$ (1167)	$6'-2 \frac{3}{4}''$ (1899)
$6'-10''$ (2083)							
$7'-1 \frac{5}{16}''$ (2167)							
$7'-11''$ (2413)							



Custom-size doors are available in  $\frac{1}{8}''$  (3) increments.

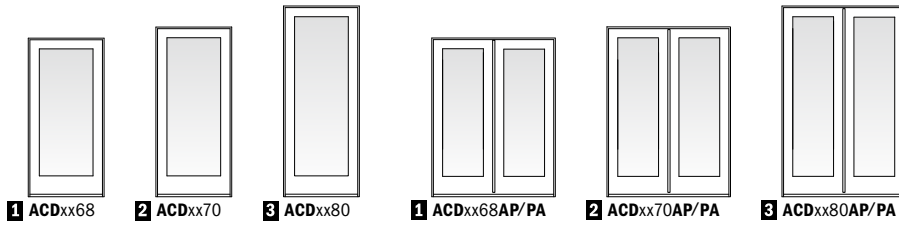
Standard sizes shown. See page 203 for minimum rough opening dimensions, glass area dimensions and opening specifications.

Available in both 10" (254) and 12" (305) bottom rail heights. For additional stile widths and additional options, contact your Andersen supplier. This door has a limited water rating (LW) due to the low-threshold sill. See page 205 for threshold and bottom rail details. Handle and lock are located between 34" (864) and 48" (1219).

For entry door transoms, see pages 198-200.

Check local building codes, including the Americans with Disabilities Act (ADA) accessibility.

• Dimensions in parentheses are in millimeters.



Custom-size doors are available in 1/8" (3) increments.

Available in custom designed panels, see page 186.

Stationary doors are also available (i.e. 3068S or 4068SS).

**Commercial Outswing Entry Door Dimensions and Specifications**

Door Number	Number of Panels Open*	Min. Rough Opening				Clear Opening Area Sq. Ft./ (m <sup>2</sup> )	Clear Opening Maximums			Glass Area Sq. Ft./ (m <sup>2</sup> )	Vent Area Sq. Ft./ (m <sup>2</sup> )	Overall Door Area Sq. Ft./ (m <sup>2</sup> )
		Width Inches/(mm)	Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)		90° Width Inches/(mm)	Full Width Inches/(mm)	Height Inches/(mm)			
ACD3068	1	37 1/16" (957)	82" (2083)	38 3/16" (970)	82 1/2" (2096)	19.45 (1.81)	33 1/8" (841)	35 1/16" (891)	79 1/8" (2029)	10.60 (0.98)	19.45 (1.81)	21.46 (1.99)
ACD3668	1	43 1/16" (1110)	82" (2083)	44 3/16" (1122)	82 1/2" (2096)	22.78 (2.12)	39 1/8" (994)	41 1/16" (1043)	79 1/8" (2029)	13.15 (1.22)	22.78 (2.12)	24.88 (2.31)
ACD3868	1	45 1/16" (1167)	82" (2083)	46 7/16" (1180)	82 1/2" (2180)	24.02 (2.23)	41 3/8" (1051)	43 3/16" (1100)	79 1/8" (2029)	14.11 (1.31)	24.02 (2.23)	26.16 (2.43)
ACD3070	1	37 1/16" (957)	85 5/16" (2167)	38 3/16" (970)	85 13/16" (2180)	20.26 (1.88)	33 1/8" (841)	35 1/16" (891)	83 3/16" (2113)	11.17 (1.04)	20.26 (1.88)	22.33 (2.07)
ACD3670	1	43 1/16" (1110)	85 5/16" (2167)	44 3/16" (1122)	85 13/16" (2180)	23.72 (2.20)	39 1/8" (994)	41 1/16" (1043)	83 3/16" (2113)	13.86 (1.29)	23.72 (2.20)	25.88 (2.40)
ACD3870	1	45 1/16" (1167)	85 5/16" (2167)	46 7/16" (1180)	85 13/16" (2426)	25.02 (2.32)	41 3/8" (1051)	43 3/16" (1100)	83 3/16" (2113)	14.87 (1.38)	25.02 (2.32)	27.22 (2.53)
ACD3080	1	37 1/16" (957)	95" (2413)	38 3/16" (970)	95 1/2" (2426)	22.61 (2.10)	33 1/8" (841)	35 1/16" (891)	92 1/8" (2359)	12.84 (1.19)	22.61 (2.10)	24.86 (2.31)
ACD3680	1	43 1/16" (1110)	95" (2413)	44 3/16" (1122)	95 1/2" (2426)	26.48 (2.46)	39 1/8" (994)	41 1/16" (1043)	92 1/8" (2359)	15.94 (1.48)	26.48 (2.46)	28.82 (2.68)
ACD3880	1	45 1/16" (1167)	95" (2413)	46 7/16" (1180)	95 1/2" (2096)	27.94 (2.60)	41 3/8" (1051)	43 3/16" (1100)	92 1/8" (2359)	17.10 (1.59)	27.94 (2.60)	30.31 (2.82)
ACD4068	2	50 3/4" (1289)	82" (2083)	51 1/4" (1302)	82 1/2" (2096)	26.69 (2.48)	44 3/16" (1122)	48 1/8" (1222)	79 1/8" (2029)	12.46 (1.16)	26.69 (2.48)	28.90 (2.68)
ACD4068	1	50 3/4" (1289)	82" (2083)	51 1/4" (1302)	82 1/2" (2096)	12.76 (1.19)	21" (533)	23" (584)	79 1/8" (2029)	12.46 (1.16)	12.76 (1.19)	28.90 (2.68)
ACD5068	2	62 3/4" (1594)	82" (2083)	63 1/4" (1607)	82 1/2" (2096)	33.35 (3.10)	56 3/16" (1427)	60 1/8" (1527)	79 1/8" (2029)	16.08 (1.49)	33.35 (3.10)	35.73 (3.32)
ACD5068	1	62 3/4" (1594)	82" (2083)	63 1/4" (1607)	82 1/2" (2096)	16.09 (1.49)	27" (686)	29" (737)	79 1/8" (2029)	16.08 (1.49)	16.09 (1.49)	35.73 (3.32)
ACD5468	2	66 3/4" (1695)	82" (2083)	67 1/4" (1708)	82 1/2" (2096)	35.57 (3.30)	60 3/16" (1529)	64 1/8" (1629)	79 1/8" (2029)	17.79 (1.65)	35.57 (3.30)	38.01 (3.53)
ACD5468	1	66 3/4" (1695)	82" (2083)	67 1/4" (1708)	82 1/2" (2096)	17.20 (1.60)	29" (737)	31" (787)	79 1/8" (2029)	17.79 (1.65)	17.20 (1.60)	38.01 (3.53)
ACD6068	2	74 3/4" (1899)	82" (2083)	75 1/4" (1911)	82 1/2" (2096)	40.01 (3.72)	68 3/16" (1732)	72 1/8" (1832)	79 1/8" (2029)	21.20 (1.97)	40.01 (3.72)	42.57 (3.95)
ACD6068	1	74 3/4" (1899)	82" (2083)	75 1/4" (1911)	82 1/2" (2180)	19.41 (1.80)	33" (838)	35" (889)	79 1/8" (2029)	21.20 (1.97)	19.41 (1.80)	42.57 (3.95)
ACD4070	2	50 3/4" (1289)	85 5/16" (2167)	51 1/4" (1302)	85 13/16" (2180)	27.80 (2.58)	44 3/16" (1122)	48 1/8" (1222)	83 3/16" (2113)	13.13 (1.22)	27.80 (2.58)	30.07 (2.79)
ACD4070	1	50 3/4" (1289)	85 5/16" (2167)	51 1/4" (1302)	85 13/16" (2180)	13.29 (1.23)	21" (533)	23" (584)	83 3/16" (2113)	13.13 (1.22)	13.29 (1.23)	30.07 (2.79)
ACD5070	2	62 3/4" (1594)	85 5/16" (2167)	63 1/4" (1607)	85 13/16" (2180)	34.73 (3.23)	56 3/16" (1427)	60 1/8" (1527)	83 3/16" (2113)	16.95 (1.57)	34.73 (3.23)	37.18 (3.45)
ACD5070	1	62 3/4" (1594)	85 5/16" (2167)	63 1/4" (1607)	85 13/16" (2180)	16.75 (1.56)	27" (686)	29" (737)	83 3/16" (2113)	16.95 (1.57)	16.75 (1.56)	37.18 (3.45)
ACD5470	2	66 3/4" (1695)	85 5/16" (2167)	67 1/4" (1708)	85 13/16" (2180)	37.04 (3.44)	60 3/16" (1529)	64 1/8" (1629)	83 3/16" (2113)	18.75 (1.74)	37.04 (3.44)	39.55 (3.67)
ACD5470	1	66 3/4" (1695)	85 5/16" (2167)	67 1/4" (1708)	85 13/16" (2180)	17.91 (1.66)	29" (737)	31" (787)	83 3/16" (2113)	18.75 (1.74)	17.91 (1.66)	39.55 (3.67)
ACD6070	2	74 3/4" (1899)	85 5/16" (2167)	75 1/4" (1911)	85 13/16" (2180)	41.67 (3.87)	68 3/16" (1732)	72 1/8" (1832)	83 3/16" (2113)	22.34 (2.08)	41.67 (3.87)	44.29 (4.11)
ACD6070	1	74 3/4" (1899)	85 5/16" (2167)	75 1/4" (1911)	85 13/16" (2426)	20.22 (1.88)	33" (838)	35" (889)	83 3/16" (2113)	22.34 (2.08)	20.22 (1.88)	44.29 (4.11)
ACD4080	2	50 3/4" (1289)	95" (2413)	51 1/4" (1302)	95 1/2" (2426)	31.04 (2.88)	44 3/16" (1122)	48 1/8" (1222)	92 1/8" (2359)	15.10 (1.40)	31.04 (2.88)	33.48 (3.11)
ACD4080	1	50 3/4" (1289)	95" (2413)	51 1/4" (1302)	95 1/2" (2426)	14.83 (1.38)	21" (533)	23" (584)	92 1/8" (2359)	15.10 (1.40)	14.83 (1.38)	33.48 (3.11)
ACD5080	2	62 3/4" (1594)	95" (2413)	63 1/4" (1607)	95 1/2" (2426)	38.78 (3.60)	56 3/16" (1427)	60 1/8" (1527)	92 1/8" (2359)	19.49 (1.81)	38.78 (3.60)	41.40 (3.85)
ACD5080	1	62 3/4" (1594)	95" (2413)	63 1/4" (1607)	95 1/2" (2426)	18.70 (1.74)	27" (686)	29" (737)	92 1/8" (2359)	19.49 (1.81)	18.70 (1.74)	41.40 (3.85)
ACD5480	2	66 3/4" (1695)	95" (2413)	67 1/4" (1708)	95 1/2" (2426)	41.36 (3.84)	60 3/16" (1529)	64 1/8" (1629)	92 1/8" (2359)	21.56 (2.00)	41.36 (3.84)	44.04 (4.09)
ACD5480	1	66 3/4" (1695)	95" (2413)	67 1/4" (1708)	95 1/2" (2426)	19.99 (1.86)	29" (737)	31" (787)	92 1/8" (2359)	21.56 (2.00)	19.99 (1.86)	44.04 (4.09)
ACD6080	2	74 3/4" (1899)	95" (2413)	75 1/4" (1911)	95 1/2" (2426)	46.52 (4.32)	68 3/16" (1732)	72 1/8" (1832)	92 1/8" (2359)	25.69 (2.39)	46.52 (4.32)	49.31 (4.58)
ACD6080	1	74 3/4" (1899)	95" (2413)	75 1/4" (1911)	95 1/2" (2426)	22.57 (2.10)	33" (838)	35" (889)	92 1/8" (2359)	25.69 (2.39)	22.57 (2.10)	49.31 (4.58)

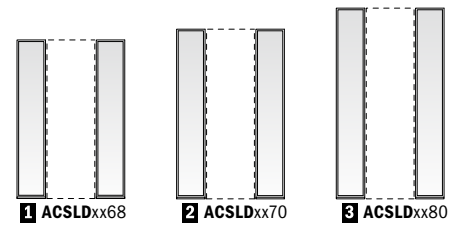
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- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters or square meters.
- \*For two-panel patio doors with one panel open, clear opening is based on active panel being open and passive panel being closed.

# COMMERCIAL OUTSWING ENTRY DOORS

## Direct-Set Commercial Outswing Entry Door Sidelight Dimensions and Specifications

Sidelight Number	Sidelight Dimensions		Min. Rough Opening		Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Sidelight Area Sq. Ft./ (m <sup>2</sup> )
	Width Inches/(mm)	Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)		
ACSLD0868	9 15/16" (252)	82" (2083)	10 7/16" (265)	82 1/2" (2096)	3.77 (0.35)	5.66 (0.53)
ACSLD1068	15 15/16" (405)	82" (2083)	16 7/16" (418)	82 1/2" (2096)	7.03 (0.65)	9.08 (0.84)
ACSLD2068	25 11/16" (652)	82" (2083)	26 3/16" (665)	82 1/2" (2096)	12.32 (1.14)	14.63 (1.36)
ACSLD3068	37 11/16" (957)	82" (2083)	38 3/16" (970)	82 1/2" (2096)	18.84 (1.75)	21.46 (1.99)
ACSLD0870	9 15/16" (252)	85 5/16" (2167)	10 7/16" (265)	85 13/16" (2180)	3.93 (0.37)	5.89 (0.55)
ACSLD1070	15 15/16" (405)	85 5/16" (2167)	16 7/16" (418)	85 13/16" (2180)	7.32 (0.68)	9.44 (0.88)
ACSLD2070	25 11/16" (652)	85 5/16" (2167)	26 3/16" (665)	85 13/16" (2180)	12.84 (1.19)	15.22 (1.41)
ACSLD3070	37 11/16" (957)	85 5/16" (2167)	38 3/16" (970)	85 13/16" (2180)	19.63 (1.82)	22.33 (2.07)
ACSLD0880	9 15/16" (252)	95" (2413)	10 7/16" (265)	95 1/2" (2426)	4.40 (0.41)	6.56 (0.61)
ACSLD1080	15 15/16" (405)	95" (2413)	16 7/16" (418)	95 1/2" (2426)	8.19 (0.76)	10.51 (0.98)
ACSLD2080	25 11/16" (652)	95" (2413)	26 3/16" (665)	95 1/2" (2426)	14.37 (1.33)	16.95 (1.57)
ACSLD3080	37 11/16" (957)	95" (2413)	38 3/16" (970)	95 1/2" (2426)	21.97 (2.04)	24.86 (2.31)

- "Sidelight Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters or square meters.

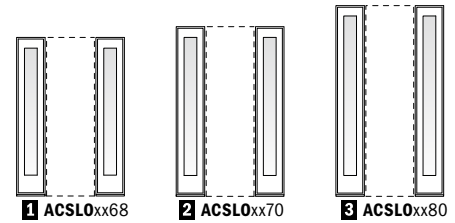


Direct-set (ACSLD) commercial outswing entry door sidelights.

## Sash-Set Commercial Outswing Entry Door Sidelight Dimensions and Specifications

Sidelight Number	Sidelight Dimensions		Min. Rough Opening		Glass Area Sq. Ft./ (m <sup>2</sup> )	Overall Sidelight Area Sq. Ft./ (m <sup>2</sup> )
	Width Inches/(mm)	Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)		
ACSL01068	15 15/16" (405)	82" (2083)	16 7/16" (418)	82 1/2" (2096)	3.41 (0.32)	9.08 (0.84)
ACSL02068	25 11/16" (652)	82" (2083)	26 3/16" (665)	82 1/2" (2096)	7.56 (0.70)	14.63 (1.36)
ACSL02668	31 11/16" (805)	82" (2083)	32 3/16" (818)	82 1/2" (2096)	8.79 (0.82)	18.04 (1.68)
ACSL02868	33 11/16" (856)	82" (2083)	34 3/16" (868)	82 1/2" (2096)	9.21 (0.86)	19.18 (1.78)
ACSL01070	15 15/16" (405)	85 5/16" (2167)	16 7/16" (418)	85 13/16" (2180)	3.59 (0.33)	9.44 (0.88)
ACSL02070	25 11/16" (652)	85 5/16" (2167)	26 3/16" (665)	85 13/16" (2180)	7.97 (0.74)	15.22 (1.41)
ACSL02670	31 11/16" (805)	85 5/16" (2167)	32 3/16" (818)	85 13/16" (2180)	9.26 (0.86)	18.77 (1.74)
ACSL02870	33 11/16" (856)	85 5/16" (2167)	34 3/16" (868)	85 13/16" (2180)	9.71 (0.90)	19.96 (1.85)
ACSL01080	15 15/16" (405)	95" (2413)	16 7/16" (418)	95 1/2" (2426)	4.13 (0.38)	10.51 (0.98)
ACSL02080	25 11/16" (652)	95" (2413)	26 3/16" (665)	95 1/2" (2426)	9.16 (0.85)	16.95 (1.57)
ACSL02680	31 11/16" (805)	95" (2413)	32 3/16" (818)	95 1/2" (2426)	10.65 (0.99)	20.9 (1.94)
ACSL02880	33 11/16" (856)	95" (2413)	34 3/16" (868)	95 1/2" (2426)	11.17 (1.04)	22.22 (2.06)

- "Sidelight Dimension" always refers to outside frame to frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.
- Dimensions in parentheses are in millimeters or square meters.



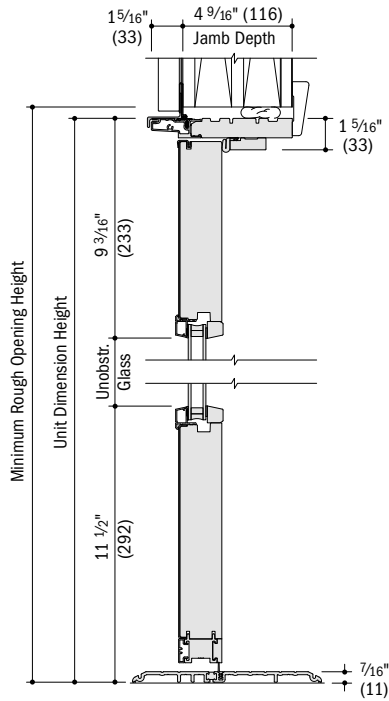
Sash-set (ACSL0) commercial outswing entry door sidelights.

**Commercial Outswing Entry Door Details**

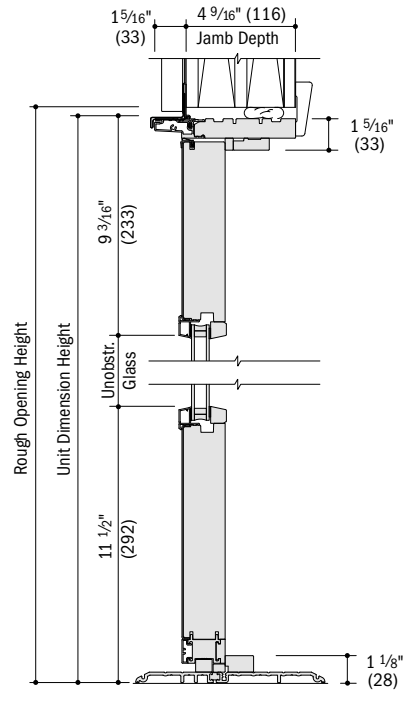
Scale 1 1/2" (38) = 1'-0" (305) – 1:8

**Sash-Set Commercial Outswing Entry Door Sidelight Detail**

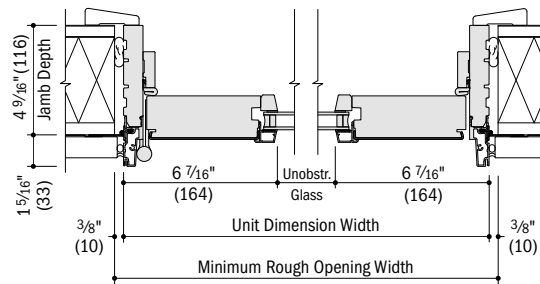
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



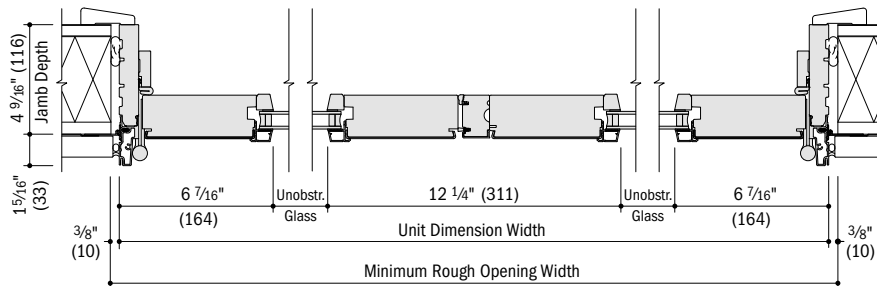
Vertical Section



Vertical Section



Horizontal Section



Horizontal Section  
Two-Panel

- 4 9/16" (116) jamb depth measurements are from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to unit installation guides at andersenwindows.com.
- Dimensions in parentheses are in millimeters.
- Clad details shown, wood also available.

# COMBINATION DESIGNS

## Andersen® windows and patio doors make it easy to create a wide variety of combination designs.

### Combination Types

#### Ribbons

Ribbons are horizontal window combinations (vertical joins) where opposite ends (head and sill) of individual windows are fastened to the building structure.

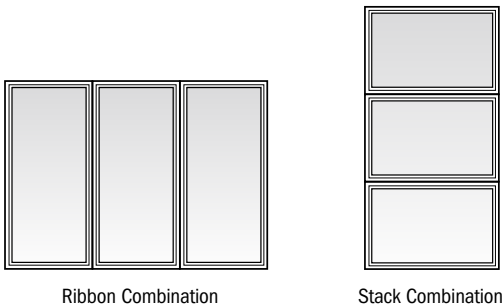
#### Stacks

Stacks are vertical window combinations (horizontal joins) where opposite sides (both side jambs) of individual windows are fastened to the building structure.

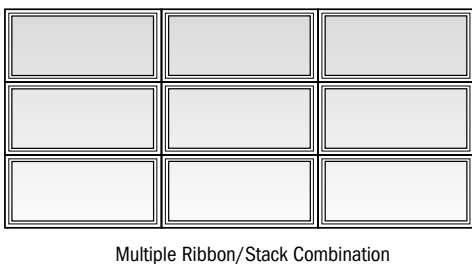
Two basic configurations are used in combination designs:

1-way configurations or 2-way configurations.

#### 1-Way



#### 2-Way



2-way combinations exist when multiple vertical stacks and horizontal ribbons are joined together. Unlike 1-way combinations, the adjacent sides (head and sill, or both side jambs) of individual units are not necessarily fastened directly to the building structure. 2-way combinations are joined with both vertical and horizontal joining material and may require reinforced joining materials and brackets depending on the local building code requirement for design wind load (measured in pounds per square foot, PSF).

### Determining Design Wind Load Performance

Proper combination design in conformance with local wind load requirements is vital to the success of your project. To make sure a combination is safe and that it complies with local building codes, the combination design wind load performance capacity must be determined.

Correctly determining this performance capacity involves the following three steps:

#### STEP 1

##### Determine Building Code Requirement

Make sure that you have the proper local codes and have identified specified compliance values. This calculated value (PSF) will be used to determine if the combination will be acceptable (STEP 3).



#### STEP 2

##### Determine Product Performance

Compare product Design Pressure Rating data to the local building code (PSF) requirement. This will show whether the individual units in a combination design are acceptable.



#### STEP 3

##### Determine Combination Performance

This step helps determine whether a given product, size, configuration and joining material type will meet the local building code design wind load requirement. To determine what joining material type to use (fiberglass, clips or LVL), compare the local building code design wind load requirement to the design wind load table value for a particular joining material on the following pages.



## Andersen® Joining Materials

For a successful installation, one engineered to provide the required design pressure, it is important Andersen joining materials and installation accessories be specified by a project architect or contractor. For one- or multi-directional combinations, Andersen offers a joining system to meet specified performance requirements. Choose from either our 4 9/16" (116) fiberglass joining options, Laminated Veneer Lumber (LVL) or clip joining methods. Each creates a joining system that enhances the look of Andersen products without sacrificing performance.

The addition of joining materials will affect the overall rough opening dimension, see page 236-237. **For all joining methods, see instruction guides for specific joining and anchoring information. Instruction guides are available at andersenwindows.com. Read and follow instruction guides in their entirety.**

Exterior trim strips and trim strip end caps are included with each kit for finishing exterior join. Interior moulding is included with each joining kit for finishing the join on the interior. Components used with each joining system will vary depending on products being joined. Check with your Andersen supplier for more information.

### 1-Way Clip Joining

A-Series: Casement, Awning, Double-Hung, Picture, Transom, Specialty Windows\*

Average Adjacent Window Dimension	(A + B) ÷ 2 = <b>10'-0"</b> (3048)	63	42	32				
	(A + B) ÷ 2 = <b>9'-6"</b> (2896)	63	42	32				
	(A + B) ÷ 2 = <b>9'-0"</b> (2743)	63	42	32				
	(A + B) ÷ 2 = <b>8'-6"</b> (2591)	63	42	32				
	(A + B) ÷ 2 = <b>8'-0"</b> (2438)	63	42	32				
	(A + B) ÷ 2 = <b>7'-6"</b> (2286)	63	42	32				
	(A + B) ÷ 2 = <b>7'-0"</b> (2134)	63	42	32				
	(A + B) ÷ 2 = <b>6'-6"</b> (1981)	63	42	32				
	(A + B) ÷ 2 = <b>6'-0"</b> (1829)	63	42	32				
	(A + B) ÷ 2 = <b>5'-6"</b> (1676)	63	42	33				
	(A + B) ÷ 2 = <b>5'-0"</b> (1524)	63	43	34				
	(A + B) ÷ 2 = <b>4'-6"</b> (1372)	65	45	35				
	(A + B) ÷ 2 = <b>4'-0"</b> (1219)	67	47	37				
	(A + B) ÷ 2 = <b>3'-6"</b> (1067)	70	51	41	31			
	(A + B) ÷ 2 = <b>3'-0"</b> (914)	70	55	44	33			
	(A + B) ÷ 2 = <b>2'-6"</b> (762)	70	64	52	39	33		
(A + B) ÷ 2 = <b>2'-0"</b> (610)	70	70	60	45	38	30		
(A + B) ÷ 2 = <b>1'-6"</b> (457)	70	70	70	60	50	40	34	
<b>C = (length of join)</b>	<b>5'-6"</b> (1676)	<b>6'-0"</b> (1829)	<b>6'-6"</b> (1981)	<b>7'-0"</b> (2134)	<b>7'-6"</b> (2286)	<b>8'-0"</b> (2438)	<b>8'-6"</b> (2591)	

## Reinforced Joining Material

Reinforced joining material is used to create product alignment, positive joining and load transfer between the rough opening and Andersen A-Series windows and doors. Joining materials provide added strength capable of withstanding a greater range of wind load pressures.

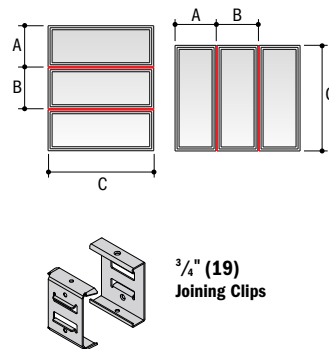
**Fiberglass Joining System** utilizes 3/4" (19) x 4 9/16" (116) fiberglass interlocking joining plates and is available for 1- and 2-way joining of A-Series casement, awning, double-hung, picture, transom and specialty windows.\* Three variations are available. The Easy Connect Joining System makes installation at the jobsite easier with smaller, factory assembled sub-group combinations that join together as they are installed in the rough opening. Fully joined combinations are factory assembled in complete combinations that arrive ready for installation in sizes up to 12' (3658) x 8' (2438) or 8' x 12'. Easy Connect Joining Kits include the necessary joining materials for individual units to be joined at the jobsite. This innovative design eliminates the need to disassemble units prior to joining and provides higher performance. Extension jambs are available factory-applied.

**Laminated Veneer Lumber (LVL) joining materials** with aluminum exterior trim receiver are available for joining specialty windows and also for joining patio doors. The structural performance of any combination is only as high as the lowest structural performance rating of any individual window or join in the combination. Available in both 4 9/16" (116) and 6 9/16" (167) widths and in a variety of combinations with joins up to 10'-4" (3150).

## Non-Reinforced Joining Material

The structural performance of any combination is only as high as the lowest structural performance rating of any individual window or join in the combination. Non-reinforced joining material is used to create alignment and positive joining between windows.

**Clips** are mounted to the mid-point of the jambs being joined and are used for 1-way (ribbon or stack) joining only. Clip joining includes a CPVC exterior trim receiver and foam insulation.



\*Numerical values in charts represent structural performance only.  
 • Dimensions in parentheses are in millimeters.  
 • Structural performance of any combination is only as high as the lowest structural performance of any individual unit or joining material in the combination.  
 • Andersen® products must be installed and anchored properly according to joining and installation guides to meet rated structural performance. Refer to product joining and installation guides at andersenwindows.com.  
 \*For factory-joined specialty-to-specialty window combinations, LVL joining material will be used. See charts on pages 210-211.

# COMBINATION DESIGNS

## 1-Way Fiberglass Joining

A-Series: Casement, Awning, Double-Hung, Picture, Transom, Specialty Windows\*

(A+B)+2 = <b>12'-0"</b> (3658)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
(A+B)+2 = <b>11'-6"</b> (3505)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
(A+B)+2 = <b>11'-0"</b> (3353)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
(A+B)+2 = <b>10'-6"</b> (3200)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
(A+B)+2 = <b>10'-0"</b> (3048)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
(A+B)+2 = <b>9'-6"</b> (2896)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
(A+B)+2 = <b>9'-0"</b> (2743)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
(A+B)+2 = <b>8'-6"</b> (2591)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
(A+B)+2 = <b>8'-0"</b> (2438)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
(A+B)+2 = <b>7'-6"</b> (2286)	70	70	70	70	70	70	70	70	70	70	66	58	50	43
(A+B)+2 = <b>7'-0"</b> (2134)	70	70	70	70	70	70	70	70	70	70	66	58	51	44
(A+B)+2 = <b>6'-6"</b> (1981)	70	70	70	70	70	70	70	70	70	70	67	59	52	45
(A+B)+2 = <b>6'-0"</b> (1829)	70	70	70	70	70	70	70	70	70	70	68	60	54	47
(A+B)+2 = <b>5'-6"</b> (1676)	70	70	70	70	70	70	70	70	70	70	69	62	56	50
(A+B)+2 = <b>5'-0"</b> (1524)	70	70	70	70	70	70	70	70	70	70	70	65	59	54
(A+B)+2 = <b>4'-6"</b> (1372)	70	70	70	70	70	70	70	70	70	70	70	69	63	58
(A+B)+2 = <b>4'-0"</b> (1219)	70	70	70	70	70	70	70	70	70	70	70	70	68	62
(A+B)+2 = <b>3'-6"</b> (1067)	70	70	70	70	70	70	70	70	70	70	70	70	70	69
(A+B)+2 = <b>3'-0"</b> (914)	70	70	70	70	70	70	70	70	70	70	70	70	70	70
(A+B)+2 = <b>2'-6"</b> (762)	70	70	70	70	70	70	70	70	70	70	70	70	70	70
(A+B)+2 = <b>2'-0"</b> (610)	70	70	70	70	70	70	70	70	70	70	70	70	70	70
(A+B)+2 = <b>1'-6"</b> (457)	70	70	70	70	70	70	70	70	70	70	70	70	70	70
<b>C = (length of join)</b>	<b>2'-0"</b> (610)	<b>2'-6"</b> (762)	<b>3'-0"</b> (914)	<b>3'-6"</b> (1067)	<b>4'-0"</b> (1219)	<b>4'-6"</b> (1372)	<b>5'-0"</b> (1524)	<b>5'-6"</b> (1676)	<b>6'-0"</b> (1829)	<b>6'-6"</b> (1981)	<b>7'-0"</b> (2134)	<b>7'-6"</b> (2286)	<b>8'-0"</b> (2438)	<b>8'-6"</b> (2591)

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## 2-Way Fiberglass Joining

A-Series: Casement, Awning, Double-Hung, Picture, Transom, Specialty Windows\*

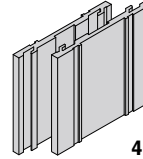
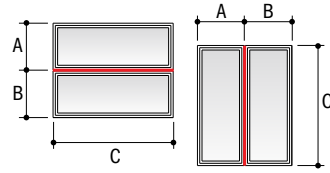
(A+B)+2 = <b>12'-0"</b> (3658)	68	54	45	38	34	30								
(A+B)+2 = <b>11'-6"</b> (3505)	70	56	47	40	35	31								
(A+B)+2 = <b>11'-0"</b> (3048)	70	59	49	42	37	33								
(A+B)+2 = <b>10'-6"</b> (3200)	70	62	51	44	38	34	31							
(A+B)+2 = <b>10'-0"</b> (3048)	70	65	54	46	40	36	32							
(A+B)+2 = <b>9'-6"</b> (2896)	70	68	57	49	43	38	34	31						
(A+B)+2 = <b>9'-0"</b> (2743)	70	70	60	51	45	40	36	33	30					
(A+B)+2 = <b>8'-6"</b> (2591)	70	70	64	54	48	42	38	35	32					
(A+B)+2 = <b>8'-0"</b> (2438)	70	70	68	58	51	45	40	37	34	31				
(A+B)+2 = <b>7'-6"</b> (2286)	70	70	70	62	54	48	43	39	36	33	31			
(A+B)+2 = <b>7'-0"</b> (2134)	70	70	70	66	58	51	46	42	38	35	33	31		
(A+B)+2 = <b>6'-6"</b> (1981)	70	70	70	70	62	55	50	45	41	38	35	33	31	
(A+B)+2 = <b>6'-0"</b> (1829)	70	70	70	70	68	60	54	49	45	41	38	36	33	
(A+B)+2 = <b>5'-6"</b> (1676)	70	70	70	70	70	66	59	54	49	45	42	39	36	32
(A+B)+2 = <b>5'-0"</b> (1524)	70	70	70	70	70	70	65	59	54	50	46	43	40	35
(A+B)+2 = <b>4'-6"</b> (1372)	70	70	70	70	70	70	70	66	60	55	51	48	45	39
(A+B)+2 = <b>4'-0"</b> (1219)	70	70	70	70	70	70	70	70	68	62	58	54	50	44
(A+B)+2 = <b>3'-6"</b> (1067)	70	70	70	70	70	70	70	70	70	70	66	62	57	51
(A+B)+2 = <b>3'-0"</b> (914)	70	70	70	70	70	70	70	70	70	70	70	70	67	59
(A+B)+2 = <b>2'-6"</b> (762)	70	70	70	70	70	70	70	70	70	70	70	70	70	70
(A+B)+2 = <b>2'-0"</b> (610)	70	70	70	70	70	70	70	70	70	70	70	70	70	70
(A+B)+2 = <b>1'-6"</b> (457)	70	70	70	70	70	70	70	70	70	70	70	70	70	70
<b>C = (length of join)</b>	<b>2'-0"</b> (610)	<b>2'-6"</b> (762)	<b>3'-0"</b> (914)	<b>3'-6"</b> (1067)	<b>4'-0"</b> (1219)	<b>4'-6"</b> (1372)	<b>5'-0"</b> (1524)	<b>5'-6"</b> (1676)	<b>6'-0"</b> (1829)	<b>6'-6"</b> (1981)	<b>7'-0"</b> (2134)	<b>7'-6"</b> (2286)	<b>8'-0"</b> (2438)	<b>8'-6"</b> (2591)

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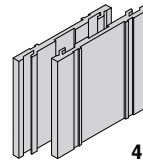
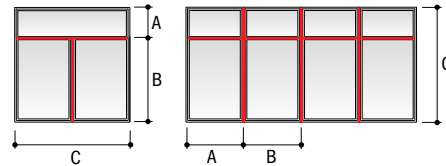
- Dimensions in parentheses are in millimeters.
- Andersen® products must be installed and anchored properly according to joining and installation guides to meet rated structural performance. Refer to product joining and installation guides at andersenwindows.com.
- Numeric value represents the certified Performance Grade (PG) rating of the combination.
- \*For factory-joined specialty-to-specialty window combinations, LVL joining material will be used. See charts on pages 210-211.

1-Way Fiberglass Joining continued from previous page

35	30					
35	30					
35	30					
35	30					
35	30					
35	30					
35	30					
35	30					
36	31					
37	32					
38	33					
39	34	30				
41	36	31				
44	39	33				
47	42	36	31			
51	46	39	34			
57	50	43	37	32		
64	57	49	42	36	32	
70	66	56	48	42	37	32
70	70	67	58	50	44	38
70	70	70	70	62	54	48
70	70	70	70	70	70	63
<b>9'-0"</b> (2743)	<b>9'-6"</b> (2896)	<b>10'-0"</b> (3048)	<b>10'-6"</b> (3200)	<b>11'-0"</b> (3353)	<b>11'-6"</b> (3505)	<b>12'-0"</b> (3658)



**4 9/16" (116) x 3/4" (19)  
Fiberglass Joining Material**



**4 9/16" (116) x 3/4" (19)  
Fiberglass Joining Material**

2-Way Fiberglass Joining continued from previous page

32						
35	31					
40	35	32				
45	41	37	33	30		
53	47	43	39	35	32	30
64	57	51	47	42	39	36
70	70	64	58	53	49	45
70	70	70	70	70	65	60
<b>9'-0"</b> (2743)	<b>9'-6"</b> (2896)	<b>10'-0"</b> (3048)	<b>10'-6"</b> (3200)	<b>11'-0"</b> (3353)	<b>11'-6"</b> (3505)	<b>12'-0"</b> (3658)

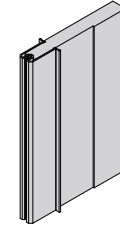
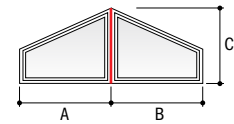
- Dimensions in parentheses are in millimeters.
- Andersen® products must be installed and anchored properly according to joining and installation guides to meet rated structural performance. Refer to product joining and installation guides at andersenwindows.com.
- Numeric value represents the certified Performance Grade (PG) rating of the combination.
- \*For factory-joined specialty-to-specialty window combinations, LVL joining material will be used. See charts on pages 210-211.

# COMBINATION DESIGNS

## 1-Way LVL Joining

A-Series: Factory-Joined Specialty Windows

<b>4 9/16" LVL</b>	Average Adjacent Window Dimension	(A + B) ÷ 2 = <b>10'-0"</b> (3048)	70	70	70	55	44	33				
		(A + B) ÷ 2 = <b>9'-6"</b> (2896)	70	70	70	55	44	33				
		(A + B) ÷ 2 = <b>9'-0"</b> (2743)	70	70	70	55	44	33				
		(A + B) ÷ 2 = <b>8'-6"</b> (2591)	70	70	70	55	44	33				
		(A + B) ÷ 2 = <b>8'-0"</b> (2438)	70	70	70	55	44	33				
		(A + B) ÷ 2 = <b>7'-6"</b> (2286)	70	70	70	55	44	33				
		(A + B) ÷ 2 = <b>7'-0"</b> (2134)	70	70	70	55	44	33				
		(A + B) ÷ 2 = <b>6'-6"</b> (1981)	70	70	70	56	45	34				
		(A + B) ÷ 2 = <b>6'-0"</b> (1829)	70	70	70	56	45	35				
		(A + B) ÷ 2 = <b>5'-6"</b> (1676)	70	70	70	58	47	36	30			
		(A + B) ÷ 2 = <b>5'-0"</b> (1524)	70	70	70	60	49	38	32			
		(A + B) ÷ 2 = <b>4'-6"</b> (1372)	70	70	70	64	52	40	34			
		(A + B) ÷ 2 = <b>4'-0"</b> (1219)	70	70	70	67	55	43	36			
		(A + B) ÷ 2 = <b>3'-6"</b> (1067)	70	70	70	70	61	48	41	33		
		(A + B) ÷ 2 = <b>3'-0"</b> (914)	70	70	70	70	67	53	45	36	31	
		(A + B) ÷ 2 = <b>2'-6"</b> (762)	70	70	70	70	70	62	53	43	37	31
		(A + B) ÷ 2 = <b>2'-0"</b> (610)	70	70	70	70	70	70	62	50	44	36
		(A + B) ÷ 2 = <b>1'-6"</b> (457)	70	70	70	70	70	70	70	67	59	49
		<b>C = (length of join)</b>	<b>5'-6"</b> (1676)	<b>6'-0"</b> (1829)	<b>6'-6"</b> (1981)	<b>7'-0"</b> (2134)	<b>7'-6"</b> (2286)	<b>8'-0"</b> (2438)	<b>8'-6"</b> (2591)	<b>9'-0"</b> (2286)	<b>9'-6"</b> (2438)	<b>10'-0"</b> (2591)

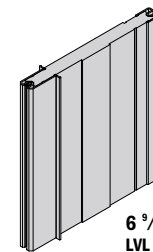
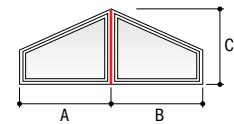


**4 9/16" (116) x 3/4" (19) LVL Joining Material**

## 1-Way LVL Joining

A-Series: Factory-Joined Specialty Windows

<b>6 9/16" LVL</b>	Average Adjacent Window Dimension	(A + B) ÷ 2 = <b>10'-0"</b> (3048)	70	70	70	70	70	66	54	42	35		
		(A + B) ÷ 2 = <b>9'-6"</b> (2896)	70	70	70	70	70	70	66	54	42	35	
		(A + B) ÷ 2 = <b>9'-0"</b> (2743)	70	70	70	70	70	70	66	54	42	35	
		(A + B) ÷ 2 = <b>8'-6"</b> (2591)	70	70	70	70	70	70	66	54	42	35	
		(A + B) ÷ 2 = <b>8'-0"</b> (2438)	70	70	70	70	70	70	66	54	42	36	
		(A + B) ÷ 2 = <b>7'-6"</b> (2286)	70	70	70	70	70	70	67	55	43	36	
		(A + B) ÷ 2 = <b>7'-0"</b> (2134)	70	70	70	70	70	70	67	56	44	37	
		(A + B) ÷ 2 = <b>6'-6"</b> (1981)	70	70	70	70	70	70	69	57	45	39	
		(A + B) ÷ 2 = <b>6'-0"</b> (1829)	70	70	70	70	70	70	70	59	47	40	
		(A + B) ÷ 2 = <b>5'-6"</b> (1676)	70	70	70	70	70	70	70	62	49	42	
		(A + B) ÷ 2 = <b>5'-0"</b> (1524)	70	70	70	70	70	70	70	65	52	44	
		(A + B) ÷ 2 = <b>4'-6"</b> (1372)	70	70	70	70	70	70	70	70	56	48	40
		(A + B) ÷ 2 = <b>4'-0"</b> (1219)	70	70	70	70	70	70	70	70	60	52	42
		(A + B) ÷ 2 = <b>3'-6"</b> (1067)	70	70	70	70	70	70	70	70	67	58	48
		(A + B) ÷ 2 = <b>3'-0"</b> (914)	70	70	70	70	70	70	70	70	70	64	53
		(A + B) ÷ 2 = <b>2'-6"</b> (762)	70	70	70	70	70	70	70	70	70	70	63
		(A + B) ÷ 2 = <b>2'-0"</b> (610)	70	70	70	70	70	70	70	70	70	70	70
		(A + B) ÷ 2 = <b>1'-6"</b> (457)	70	70	70	70	70	70	70	70	70	70	70
		<b>C = (length of join)</b>	<b>5'-6"</b> (1676)	<b>6'-0"</b> (1829)	<b>6'-6"</b> (1981)	<b>7'-0"</b> (2134)	<b>7'-6"</b> (2286)	<b>8'-0"</b> (2438)	<b>8'-6"</b> (2591)	<b>9'-0"</b> (2286)	<b>9'-6"</b> (2438)	<b>10'-0"</b> (2591)	



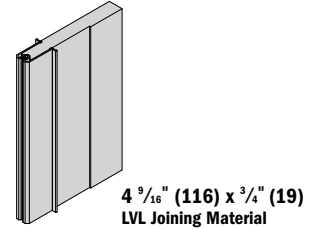
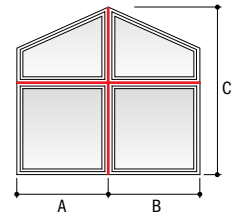
**6 9/16" (167) x 3/4" (19) LVL Joining Material**

- Numerical values in charts represent structural performance only.
- Dimensions in parentheses are in millimeters.
- Structural performance of any combination is only as high as the lowest structural performance of any individual unit or joining material in the combination.
- Andersen® products must be installed and anchored properly according to joining and installation guides to meet rated structural performance. Refer to product joining and installation guides at andersenwindows.com.

**2-Way LVL Joining**

A-Series: Factory-Joined Specialty Windows

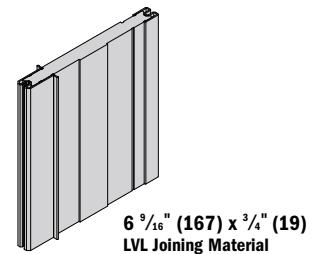
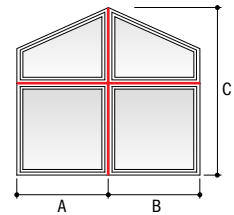
<b>4 9/16" LVL</b>	Average Adjacent Window Dimension	(A + B) ÷ 2 = <b>6'-6"</b> (1981)	42	31																	
		(A + B) ÷ 2 = <b>6'-0"</b> (1829)	45	33																	
		(A + B) ÷ 2 = <b>5'-6"</b> (1676)	50	37	30																
		(A + B) ÷ 2 = <b>5'-0"</b> (1524)	54	40	32																
		(A + B) ÷ 2 = <b>4'-6"</b> (1372)	61	45	37																
		(A + B) ÷ 2 = <b>4'-0"</b> (1219)	67	49	40	31															
		(A + B) ÷ 2 = <b>3'-6"</b> (1067)	70	58	47	36	31														
		(A + B) ÷ 2 = <b>3'-0"</b> (914)	70	65	54	41	35														
		(A + B) ÷ 2 = <b>2'-6"</b> (762)	70	70	66	51	43	34													
		(A + B) ÷ 2 = <b>2'-0"</b> (610)	70	70	70	61	52	41	35												
		(A + B) ÷ 2 = <b>1'-6"</b> (457)	70	70	70	70	70	57	49	40	35										
		<b>C = (length of join)</b>	<b>5'-6"</b> (1676)	<b>6'-0"</b> (1829)	<b>6'-6"</b> (1981)	<b>7'-0"</b> (2134)	<b>7'-6"</b> (2286)	<b>8'-0"</b> (2438)	<b>8'-6"</b> (2591)	<b>9'-0"</b> (2286)	<b>9'-6"</b> (2438)										



**2-Way LVL Joining**

A-Series: Factory-Joined Specialty Windows

<b>6 9/16" LVL</b>	Average Adjacent Window Dimension	(A + B) ÷ 2 = <b>10'-0"</b> (3048)	69	49	40	31															
		(A + B) ÷ 2 = <b>9'-6"</b> (2896)	70	52	42	33															
		(A + B) ÷ 2 = <b>9'-0"</b> (2743)	70	54	44	34															
		(A + B) ÷ 2 = <b>8'-6"</b> (2591)	70	58	47	37	31														
		(A + B) ÷ 2 = <b>8'-0"</b> (2438)	70	61	50	38	32														
		(A + B) ÷ 2 = <b>7'-6"</b> (2286)	70	65	54	41	35														
		(A + B) ÷ 2 = <b>7'-0"</b> (2134)	70	69	57	44	37														
		(A + B) ÷ 2 = <b>6'-6"</b> (1981)	70	70	62	48	40	32													
		(A + B) ÷ 2 = <b>6'-0"</b> (1829)	70	70	66	51	43	34	30												
		(A + B) ÷ 2 = <b>5'-6"</b> (1676)	70	70	70	56	48	38	33												
		(A + B) ÷ 2 = <b>5'-0"</b> (1524)	70	70	70	61	51	41	35												
		(A + B) ÷ 2 = <b>4'-6"</b> (1372)	70	70	70	69	58	46	40	33											
		(A + B) ÷ 2 = <b>4'-0"</b> (1219)	70	70	70	70	64	51	44	36	32										
		(A + B) ÷ 2 = <b>3'-6"</b> (1067)	70	70	70	70	70	59	51	42	37	31									
		(A + B) ÷ 2 = <b>3'-0"</b> (914)	70	70	70	70	70	67	58	48	42	35									
		(A + B) ÷ 2 = <b>2'-6"</b> (762)	70	70	70	70	70	80	71	59	51	43									
		(A + B) ÷ 2 = <b>2'-0"</b> (610)	70	70	70	70	70	80	80	70	62	52									
		(A + B) ÷ 2 = <b>1'-6"</b> (457)	70	70	70	70	70	80	80	80	70	70									
		<b>C = (length of join)</b>	<b>5'-6"</b> (1676)	<b>6'-0"</b> (1829)	<b>6'-6"</b> (1981)	<b>7'-0"</b> (2134)	<b>7'-6"</b> (2286)	<b>8'-0"</b> (2438)	<b>8'-6"</b> (2591)	<b>9'-0"</b> (2286)	<b>9'-6"</b> (2438)	<b>10'-0"</b> (2591)									



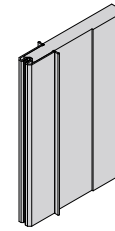
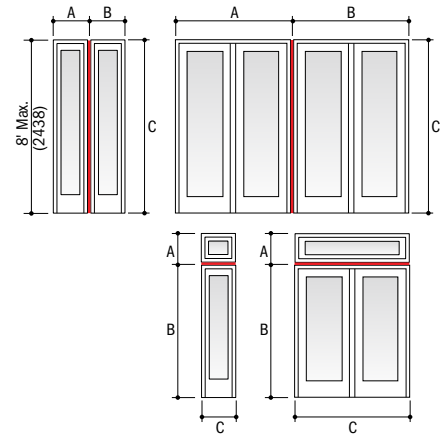
- Numerical values in charts represent structural performance only.
- Dimensions in parentheses are in millimeters.
- Structural performance of any combination is only as high as the lowest structural performance of any individual unit or joining material in the combination.
- Andersen® products must be installed and anchored properly according to joining and installation guides to meet rated structural performance. Refer to product joining and installation guides at andersenwindows.com.

# COMBINATION DESIGNS

## 1-Way LVL Joining

A-Series: Frenchwood® Gliding, Inswing and Outswing Patio Doors, Frenchwood Patio Door Sidelights and Transoms

<b>4 9/16" LVL</b>	Average Adjacent Door/Transom/Sidelight Dimension	(A + B) ÷ 2 = <b>10'-0"</b> (3048)	80	80	80	80	75	56	46			
		(A + B) ÷ 2 = <b>9'-6"</b> (2896)	80	80	80	80	75	56	46			
		(A + B) ÷ 2 = <b>9'-0"</b> (2743)	80	80	80	80	75	56	46			
		(A + B) ÷ 2 = <b>8'-6"</b> (2591)	80	80	80	80	75	56	46			
		(A + B) ÷ 2 = <b>8'-0"</b> (2438)	80	80	80	80	75	56	46			
		(A + B) ÷ 2 = <b>7'-6"</b> (2286)	80	80	80	80	75	56	46			
		(A + B) ÷ 2 = <b>7'-0"</b> (2134)	80	80	80	80	76	57	47			
		(A + B) ÷ 2 = <b>6'-6"</b> (1981)	80	80	80	80	77	58	48			
		(A + B) ÷ 2 = <b>6'-0"</b> (1829)	80	80	80	80	78	60	50			
		(A + B) ÷ 2 = <b>5'-6"</b> (1676)	80	80	80	80	80	62	52	42		
		(A + B) ÷ 2 = <b>5'-0"</b> (1524)	80	80	80	80	80	65	55	43		
		(A + B) ÷ 2 = <b>4'-6"</b> (1372)	80	80	80	80	80	70	59	47	41	
		(A + B) ÷ 2 = <b>4'-0"</b> (1219)	80	80	80	80	80	74	63	50	43	
		(A + B) ÷ 2 = <b>3'-6"</b> (1067)	80	80	80	80	80	80	70	56	49	40
		(A + B) ÷ 2 = <b>3'-0"</b> (914)	80	80	80	80	80	80	77	62	54	45
		(A + B) ÷ 2 = <b>2'-6"</b> (762)	80	80	80	80	80	80	80	74	64	53
		(A + B) ÷ 2 = <b>2'-0"</b> (610)	80	80	80	80	80	80	80	80	75	62
		(A + B) ÷ 2 = <b>1'-6"</b> (457)	80	80	80	80	80	80	80	80	80	80
		<b>C = (length of join)</b>	<b>5'-6"</b> (1676)	<b>6'-0"</b> (1829)	<b>6'-6"</b> (1981)	<b>7'-0"</b> (2134)	<b>7'-6"</b> (2286)	<b>8'-0"</b> (2438)	<b>8'-6"</b> (2591)	<b>9'-0"</b> (2286)	<b>9'-6"</b> (2438)	<b>10'-0"</b> (2591)



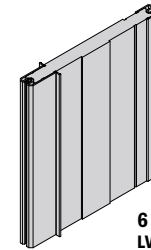
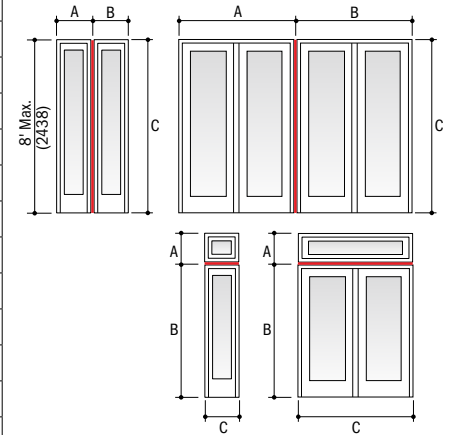
Note: When joining hinged inswing or outswing patio doors, do not join hinge jamb to hinge jamb.

**4 9/16" (116) x 3/4" (19) LVL Joining Material**

## 1-Way LVL Joining

A-Series: Frenchwood® Gliding, Inswing and Outswing Patio Doors, Frenchwood Patio Door Sidelights and Transoms

<b>6 9/16" LVL</b>	Average Adjacent Door/Transom/Sidelight Dimension	(A + B) ÷ 2 = <b>10'-0"</b> (3048)	80	80	80	80	80	80	77	64	51	
		(A + B) ÷ 2 = <b>9'-6"</b> (2896)	80	80	80	80	80	80	80	77	64	51
		(A + B) ÷ 2 = <b>9'-0"</b> (2743)	80	80	80	80	80	80	80	77	65	51
		(A + B) ÷ 2 = <b>8'-6"</b> (2591)	80	80	80	80	80	80	80	77	65	52
		(A + B) ÷ 2 = <b>8'-0"</b> (2438)	80	80	80	80	80	80	80	78	66	53
		(A + B) ÷ 2 = <b>7'-6"</b> (2286)	80	80	80	80	80	80	80	80	67	54
		(A + B) ÷ 2 = <b>7'-0"</b> (2134)	80	80	80	80	80	80	80	80	69	56
		(A + B) ÷ 2 = <b>6'-6"</b> (1981)	80	80	80	80	80	80	80	80	72	58
		(A + B) ÷ 2 = <b>6'-0"</b> (1829)	80	80	80	80	80	80	80	80	75	61
		(A + B) ÷ 2 = <b>5'-6"</b> (1676)	80	80	80	80	80	80	80	80	78	64
		(A + B) ÷ 2 = <b>5'-0"</b> (1524)	80	80	80	80	80	80	80	80	80	68
		(A + B) ÷ 2 = <b>4'-6"</b> (1372)	80	80	80	80	80	80	80	80	80	73
		(A + B) ÷ 2 = <b>4'-0"</b> (1219)	80	80	80	80	80	80	80	80	80	79
		(A + B) ÷ 2 = <b>3'-6"</b> (1067)	80	80	80	80	80	80	80	80	80	80
		(A + B) ÷ 2 = <b>3'-0"</b> (914)	80	80	80	80	80	80	80	80	80	80
		(A + B) ÷ 2 = <b>2'-6"</b> (762)	80	80	80	80	80	80	80	80	80	80
		(A + B) ÷ 2 = <b>2'-0"</b> (610)	80	80	80	80	80	80	80	80	80	80
		(A + B) ÷ 2 = <b>1'-6"</b> (457)	80	80	80	80	80	80	80	80	80	80
		<b>C = (length of join)</b>	<b>5'-6"</b> (1676)	<b>6'-0"</b> (1829)	<b>6'-6"</b> (1981)	<b>7'-0"</b> (2134)	<b>7'-6"</b> (2286)	<b>8'-0"</b> (2438)	<b>8'-6"</b> (2591)	<b>9'-0"</b> (2286)	<b>9'-6"</b> (2438)	<b>10'-0"</b> (2591)



Note: When joining hinged inswing or outswing patio doors, do not join hinge jamb to hinge jamb.

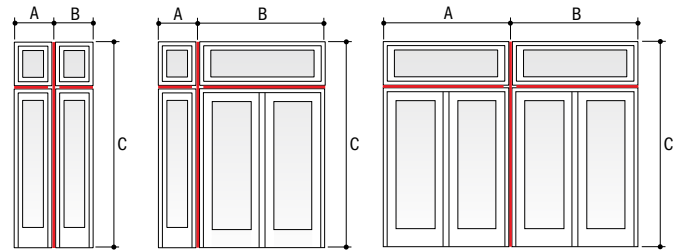
**6 9/16" (167) x 3/4" (19) LVL Joining Material**

- Two-panel doors shown. Three- and four-panel doors similar with different overall A and B widths.
- Numerical values in charts represent structural performance only.
- Dimensions in parentheses are in millimeters.
- Structural performance of any combination is only as high as the lowest structural performance of any individual unit or joining material in the combination.
- Andersen® products must be installed and anchored properly according to joining and installation guides to meet rated structural performance. Refer to product joining and installation guides at andersenwindows.com.

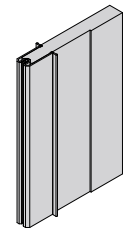
**2-Way LVL Joining**

A-Series: Frenchwood® Gliding, Inswing and Outswing Patio Doors, Frenchwood Patio Door Sidelights and Transoms

<b>4 9/16" LVL</b>	(A + B) ÷ 2 = <b>10'-0"</b> (3048)	57	42																		
	(A + B) ÷ 2 = <b>9'-6"</b> (2896)	60	45																		
	(A + B) ÷ 2 = <b>9'-0"</b> (2743)	63	47																		
	(A + B) ÷ 2 = <b>8'-6"</b> (2591)	67	50	41																	
	(A + B) ÷ 2 = <b>8'-0"</b> (2438)	71	52	43																	
	(A + B) ÷ 2 = <b>7'-6"</b> (2286)	76	57	46																	
	(A + B) ÷ 2 = <b>7'-0"</b> (2134)	80	60	49																	
	(A + B) ÷ 2 = <b>6'-6"</b> (1981)	80	65	53	41																
	(A + B) ÷ 2 = <b>6'-0"</b> (1829)	80	70	57	44																
	(A + B) ÷ 2 = <b>5'-6"</b> (1676)	80	77	63	49	41															
	(A + B) ÷ 2 = <b>5'-0"</b> (1524)	80	80	68	53	45															
	(A + B) ÷ 2 = <b>4'-6"</b> (1372)	80	80	77	60	50	40														
	(A + B) ÷ 2 = <b>4'-0"</b> (1219)	80	80	80	66	55	44														
	(A + B) ÷ 2 = <b>3'-6"</b> (1067)	80	80	80	77	65	52	44													
	(A + B) ÷ 2 = <b>3'-0"</b> (914)	80	80	80	80	73	59	50	41												
	(A + B) ÷ 2 = <b>2'-6"</b> (762)	80	80	80	80	80	72	62	51	45											
	(A + B) ÷ 2 = <b>2'-0"</b> (610)	80	80	80	80	80	80	75	61	53	45										
	(A + B) ÷ 2 = <b>1'-6"</b> (457)	80	80	80	80	80	80	80	80	80	74	62									
	<b>C = (length of join)</b>	<b>5'-6"</b> (1676)	<b>6'-0"</b> (1829)	<b>6'-6"</b> (1981)	<b>7'-0"</b> (2134)	<b>7'-6"</b> (2286)	<b>8'-0"</b> (2438)	<b>8'-6"</b> (2591)	<b>9'-0"</b> (2286)	<b>9'-6"</b> (2438)	<b>10'-0"</b> (2591)										



Note: When joining hinged inswing or outswing patio doors, do not join hinge jamb to hinge jamb.

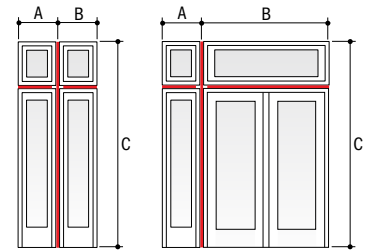


**4 9/16" (116) x 3/4" (19) LVL Joining Material**

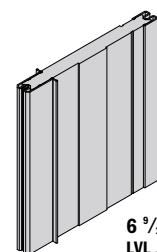
**2-Way LVL Joining**

A-Series: Frenchwood® Gliding, Inswing and Outswing Patio Doors, Frenchwood Patio Door Sidelights and Transoms

<b>6 9/16" LVL</b>	(A + B) ÷ 2 = <b>10'-0"</b> (3048)	80	80	79	61	52	41														
	(A + B) ÷ 2 = <b>9'-6"</b> (2896)	80	80	80	65	55	44														
	(A + B) ÷ 2 = <b>9'-0"</b> (2743)	80	80	80	68	57	46														
	(A + B) ÷ 2 = <b>8'-6"</b> (2591)	80	80	80	73	61	49	42													
	(A + B) ÷ 2 = <b>8'-0"</b> (2438)	80	80	80	76	64	51	44													
	(A + B) ÷ 2 = <b>7'-6"</b> (2286)	80	80	80	80	69	55	48													
	(A + B) ÷ 2 = <b>7'-0"</b> (2134)	80	80	80	80	73	59	50	41												
	(A + B) ÷ 2 = <b>6'-6"</b> (1981)	80	80	80	80	80	64	55	45												
	(A + B) ÷ 2 = <b>6'-0"</b> (1829)	80	80	80	80	80	68	59	48	42											
	(A + B) ÷ 2 = <b>5'-6"</b> (1676)	80	80	80	80	80	76	65	53	47											
	(A + B) ÷ 2 = <b>5'-0"</b> (1524)	80	80	80	80	80	80	70	58	50	42										
	(A + B) ÷ 2 = <b>4'-6"</b> (1372)	80	80	80	80	80	79	65	57	48											
	(A + B) ÷ 2 = <b>4'-0"</b> (1219)	80	80	80	80	80	80	72	63	52											
	(A + B) ÷ 2 = <b>3'-6"</b> (1067)	80	80	80	80	80	80	80	73	61											
	(A + B) ÷ 2 = <b>3'-0"</b> (914)	80	80	80	80	80	80	80	80	80	69										
	(A + B) ÷ 2 = <b>2'-6"</b> (762)	80	80	80	80	80	80	80	80	80	80										
	(A + B) ÷ 2 = <b>2'-0"</b> (610)	80	80	80	80	80	80	80	80	80	80										
	(A + B) ÷ 2 = <b>1'-6"</b> (457)	80	80	80	80	80	80	80	80	80	80										
	<b>C = (length of join)</b>	<b>5'-6"</b> (1676)	<b>6'-0"</b> (1829)	<b>6'-6"</b> (1981)	<b>7'-0"</b> (2134)	<b>7'-6"</b> (2286)	<b>8'-0"</b> (2438)	<b>8'-6"</b> (2591)	<b>9'-0"</b> (2286)	<b>9'-6"</b> (2438)	<b>10'-0"</b> (2591)										



Note: When joining hinged inswing or outswing patio doors, do not join hinge jamb to hinge jamb.



**6 9/16" (167) x 3/4" (19) LVL Joining Material**

- Two-panel doors shown. Three- and four-panel doors similar with different overall A and B widths.
- Numerical values in charts represent structural performance only.
- Dimensions in parentheses are in millimeters.
- Structural performance of any combination is only as high as the lowest structural performance of any individual unit or joining material in the combination.
- Andersen® products must be installed and anchored properly according to joining and installation guides to meet rated structural performance. Refer to product joining and installation guides at andersenwindows.com.











# PRODUCT PERFORMANCE

## PERFORMANCE STANDARDS

The Window and Door Manufacturers Association (WDMA), the American Architectural Manufacturers Association (AAMA) and the Canadian Standards Association (CSA) jointly release the North American Fenestration Standard/Specification for Windows, Doors and Skylights (NAFS-11) where "-11" refers to the most recent publication year of 2011. NAFS is also referred to as AAMA/WDMA/CSA 101/I.S.2/A440, which is how the International Code Council (ICC) lists this standard in the 2012 and 2015 International Residential Code (IRC) and International Building Code (IBC) as the means to indicate the window, door or skylights design pressure rating used to determine compliance to the jobsite design pressure requirements.

A product only achieves a "Performance Grade" or "PG" rating when it complies with all of the NAFS performance requirements such as ease of operation, air infiltration resistance, resistance to water penetration and resistance to forced entry, etc. A "Design Pressure Rating" or "DP" rating only depicts the design and structural load performance.

### Performance Classes

The NAFS Standard/Specification defines requirements for four performance classes. Performance classes are designated R, LC, CW and AW. This classification system provides for several levels of performance. Product selection is always based on the performance and building code requirements of the particular project.

### Elements of Performance Grade (PG) Designations

In order to qualify for a given performance grade (PG), test specimens need to pass all required performance tests for the following, in addition to all required auxiliary (durability) and applicable material/component tests (not shown here) for the applicable product type and desired performance class:

**(a) Operating force (if applicable):** Maximum operating force varies by product type and performance class.

**(b) Air leakage resistance:** Tested in accordance with ASTM E283 at a test pressure of 1.57 psf. Allowable air infiltration for R, LC and CW class designations is 0.3 cubic feet per minute per square foot of frame (cfm/ft<sup>2</sup>).

**(c) Water penetration resistance:** Tested in accordance with ASTM E547 with the specified test pressure applied per NAFS-11. Test consists of four cycles. Each cycle consists of five minutes with pressure applied and one minute with the pressure released, during which the water spray is continuously applied. Water spray shall be uniformly applied at a constant rate of 5 U.S. gal/ft<sup>2</sup> · hr.

**(d) Uniform load deflection test:** Tested in accordance with ASTM E330 for both positive and negative pressure (pressure defined by NAFS-11) with the load maintained for a period of 10 seconds. The test specimen shall be evaluated for deflection during each load, for permanent damage after each load and for any effects on the normal operation of the specimen. *Starting with the 2008 version of NAFS, design pressure (DP) will only represent the "uniform load deflection test".*

**(e) Uniform load structural test:** Tested in accordance with ASTM E330 for both positive and negative pressure (pressure defined by NAFS-11) with the load maintained for a period of 10 seconds. After loads are removed, there shall be no permanent deformation in excess of 0.4% of its span and no damage to the unit, which would make it inoperable.

**(f) Forced-entry resistance (if applicable):** Tested in accordance with ASTM F588 (windows), F476 (swinging doors) and F842 (sliding doors) at a performance level 10 rating.


### Performance Grades (PG) & Corresponding Test Pressures (psf)

Performance Class/Performance Grade		Air Infiltration Test Pressure		Maximum Allowable Air Infiltration/Exfiltration Rate		Water Penetration Resistance Test Pressure		Design Pressure		Structural Test Pressure	
R	LC	Pa	psf	L/s·m <sup>2</sup>	cfm/ft <sup>2</sup>	Pa	psf	Pa	psf	Pa	psf
15	-	75	1.57	1.5	0.30	140	2.92	720	15.04	1080	22.56
20	-	75	1.57	1.5	0.30	150	3.13	960	20.05	1440	30.08
25	25	75	1.57	1.5	0.30	180	3.76	1200	25.06	1800	37.59
30	30	75	1.57	1.5	0.30	220	4.59	1440	30.08	2160	45.11
35	35	75	1.57	1.5	0.30	260	5.43	1680	35.09	2520	52.63
40	40	75	1.57	1.5	0.30	290	6.06	1920	40.10	2880	60.15
45	45	75	1.57	1.5	0.30	330	6.89	2160	45.11	3240	67.67
50	50	75	1.57	1.5	0.30	360	7.52	2400	50.13	3600	75.19
55	55	75	1.57	1.5	0.30	400	8.35	2640	55.14	3960	82.71
60	60	75	1.57	1.5	0.30	440	9.19	2880	60.15	4320	90.23
65	65	75	1.57	1.5	0.30	470	9.82	3120	65.16	4680	97.74
70	70	75	1.57	1.5	0.30	510	10.65	3360	70.18	5040	105.26
75	75	75	1.57	1.5	0.30	540	11.28	3600	75.19	5400	112.78
80	80	75	1.57	1.5	0.30	580	12.11	3840	80.20	5760	120.30
85	85	75	1.57	1.5	0.30	580	12.11	4080	85.21	6120	127.82
90	90	75	1.57	1.5	0.30	580	12.11	4320	90.23	6480	135.34
95	95	75	1.57	1.5	0.30	580	12.11	4560	95.24	6840	142.86
100	100	75	1.57	1.5	0.30	580	12.11	4800	100.25	7200	150.38

## HALLMARK CERTIFICATION

The Window and Door Manufacturers Association (WDMA) sponsored Hallmark Certification Program provides manufacturers with certification to the AAMA/WDMA/CSA 101/I.S.2/A440-11 Standard and is designed to provide builders, architects, specifiers and consumers with an easily recognizable means of identifying products that have been manufactured and tested in accordance with NAFS (AAMA/WDMA/CSA 101/I.S.2/A440) industry standards and other applicable performance standards. Conformance is determined by periodic in-plant inspections by a third-party administrator. Inspections include auditing licensee quality control procedures and processes and a review to confirm products are manufactured in accordance with the appropriate performance standards. Periodic testing of representative product constructions and components by an independent testing laboratory is also required. When all of the program requirements are met, the licensee is authorized to use the WDMA Hallmark registered logo on their Certification Label as a means of identifying products and their performance ratings.

Products successfully obtaining Hallmark Certification will be labeled with a 3-part code, which includes performance class, performance grade and size tested. In addition to this mandatory requirement, you are allowed to list the design pressure on a separate line.

	Andersen Corporation A-SERIES CASEMENT WINDOW Manufacturer stipulates certification as indicated below.					
	<table border="1"> <thead> <tr> <th>STANDARD</th> <th>RATING</th> </tr> </thead> <tbody> <tr> <td>AAMA/WDMA/CSA 101/I.S.2/A440-11</td> <td>CLASS LC<sup>(1)</sup> - PG50<sup>(2)</sup> - SIZE TESTED 35.3 X 71.3 in.<sup>(3)</sup> DP+50/-50<sup>(4)</sup></td> </tr> <tr> <td>AAMA/WDMA/CSA 101/I.S.2/A440-08</td> <td>CLASS LC<sup>(1)</sup> - PG50<sup>(2)</sup> - SIZE TESTED 35.3 X 71.3 in.<sup>(3)</sup> DP+50/-50<sup>(4)</sup></td> </tr> </tbody> </table>	STANDARD	RATING	AAMA/WDMA/CSA 101/I.S.2/A440-11	CLASS LC <sup>(1)</sup> - PG50 <sup>(2)</sup> - SIZE TESTED 35.3 X 71.3 in. <sup>(3)</sup> DP+50/-50 <sup>(4)</sup>	AAMA/WDMA/CSA 101/I.S.2/A440-08
STANDARD	RATING					
AAMA/WDMA/CSA 101/I.S.2/A440-11	CLASS LC <sup>(1)</sup> - PG50 <sup>(2)</sup> - SIZE TESTED 35.3 X 71.3 in. <sup>(3)</sup> DP+50/-50 <sup>(4)</sup>					
AAMA/WDMA/CSA 101/I.S.2/A440-08	CLASS LC <sup>(1)</sup> - PG50 <sup>(2)</sup> - SIZE TESTED 35.3 X 71.3 in. <sup>(3)</sup> DP+50/-50 <sup>(4)</sup>					

- (1) - Performance Class
- (2) - Performance Grade
- (3) - Size Tested
- (4) - Design Pressure

In the example above, the performance class is LC, the performance grade (PG) is 50 pounds per square foot (psf) and the size tested is 35.3" x 71.3". What this means to the specifier is, based on the performance grade chart, the laboratory tested air infiltration was less than 0.3 cfm/ft<sup>2</sup> (test pressure is always 1.57 psf and the allowable airflow is 0.3 cfm/ft<sup>2</sup>), the product tested successfully resisted a laboratory water penetration test at a test pressure of 7.5 psf, the product tested successfully withstood a laboratory positive test pressure of 75 psf, a laboratory negative test pressure of 75 psf and the product tested passed the laboratory requirements for operational force and forced entry resistance. Based on this test, all products smaller in both width and height can be labeled with this product performance rating.

## IMPORTANT

Building codes prescribe design pressure based on a variety of criteria (i.e. windspeed zone, building height, building type, jobsite exposure, etc.). Design pressures derived from Performance Grade (PG) test requirements should be used to determine compliance to building code required design pressures. Structural test pressures, which are tested at 1.5 times the design pressure, should **not** be used for determining design pressure code compliance. In the example above, a PG 50 performance grade rating, which passes a 50 psf design pressure, should be used for determining code compliance, not the structural test pressure of 75 psf.

If you need further details about how Andersen® products perform to this standard, contact your Andersen supplier.

If you need further information about the AAMA/WDMA/CSA 101/I.S.2/A440-11 standard or the Hallmark Certification Program please contact: WDMA, 330 N. Wabash Avenue Suite 2000, Chicago, IL 60611 Phone: 312-321-6802 Web: wdma.com

Where designated, Andersen products are tested, certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.

**Performance Grade, Air Infiltration and Sound Transmission Ratings – A-Series Windows and Patio Doors**

For current performance information please visit [andersenwindows.com](http://andersenwindows.com).

Andersen® Product	Glass Construction	AAMA/WDMA/CSA 101/IS2/A440 Performance Grade (PG)	+/- Corresponding Design Pressure (DP)	Standard Glass Sound Transmission Class (STC)	Standard Glass Outdoor/Indoor Transmission Class (OITC)	Air Infiltration CFM/FT <sup>2</sup>
<b>Casement Windows</b>	Dual-Pane	Class LC-PG50 Size Tested 47" x 95"	50/50	27	23	< 0.2
	Triple-Pane		50/50	30	25	< 0.2
<b>Awning Windows</b>	Dual-Pane	Class LC-PG50 Size Tested 71" x 47"	50/50	28	22	< 0.2
	Triple-Pane		50/50	29	23	< 0.2
<b>Double-Hung Windows</b>	Dual-Pane	Class LC-PG50 Size Tested 47" x 95"	50/50	27	22	< 0.2
	Triple-Pane		50/50	28	23	< 0.2
<b>Picture Windows</b>	Dual-Pane	Class LC-PG50 Size Tested 71" x 95"	50/50	27	22	< 0.2
	Triple-Pane		50/50	30	25	< 0.2
<b>Stationary Transom Windows</b>	Dual-Pane	Class LC-PG50 Size Tested 71" x 39"	50/50	27	22	< 0.2
	Triple-Pane		50/50	31	24	< 0.2
<b>Fixed Transom Windows</b>	Dual-Pane	Class LC-PG50 Size Tested 71" x 35"	50/50	28	22	< 0.2
	Triple-Pane		50/50	28	23	< 0.2
<b>Direct-Set Specialty Windows</b>						
<b>Rectangular</b>	Dual-Pane	Class LC-PG50 Size Tested 125" x 84"	50/50	28	24	< 0.2
<b>Arch</b>	Dual-Pane	Class LC-PG50 Size Tested 125" x 84"	50/50	28	24	< 0.2
<b>Springline™</b>	Dual-Pane	Class LC-PG50 Size Tested 125" x 84"	50/50	28	24	< 0.2
<b>Sash-Set Specialty Windows</b>						
<b>Rectangular</b>	Dual-Pane	Class LC-PG50 Size Tested 125" x 75"	50/50	29	24	< 0.2
<b>Springline™</b>	Dual-Pane	Class LC-PG50 Size Tested 125" x 75"	50/50	29	24	< 0.2
<b>Arch</b>	Dual-Pane	Class LC-PG50 Size Tested 125" x 75"	50/50	29	24	< 0.2
<b>Complementary Casement Windows</b>						
<b>Casement (venting)</b>	Dual-Pane	Class LC-PG50 Size Tested 35" x 84"	50/50	†	†	< 0.2
<b>Casement (stationary)</b>	Dual-Pane	Class LC-PG60 Size Tested 120" x 78"	60/60	†	†	< 0.2
<b>French Casement (venting)</b>	Dual-Pane	Class LC-PG30 Size Tested 56" x 72"	30/30	†	†	< 0.2
<b>Frenchwood® Gliding Patio Door</b>						
<b>Single Stationary (611, 80, 100)</b>	Dual-Pane	Class LC-PG45 Size Tested 50" x 119"	45/45	30	25	< 0.2
<b>Single Stationary (611, 80)</b>	Triple-Pane	Class LC-PG45 Size Tested 50" x 95"	45/45	32	28	< 0.3
<b>Single Stationary, PG Upgrade (611, 80)</b>	Dual-Pane	Class LC-PG65 Size Tested 50" x 95"	65/80	30	25	< 0.2
<b>Single Stationary, PG Upgrade (100)</b>	Dual-Pane	Class LC-PG55 Size Tested 50" x 119"	55/55	30	25	< 0.2
<b>Two-Panel (611, 80)</b>	Dual-Pane	Class LC-PG50 Size Tested 95" x 95"	50/50	30	25	< 0.2
	Triple-Pane		50/50	29	25	< 0.2
<b>Two-Panel (100)</b>	Dual-Pane	Class LC-PG45 Size Tested 95" x 119"	45/45	29	25	< 0.2
<b>Two-Panel, PG Upgrade (611)</b>	Dual-Pane	Class LC-PG70 Size Tested 95" x 82"	70/80	†	†	< 0.2
<b>Two-Panel, PG Upgrade (80, 100)</b>	Dual-Pane	Class LC-PG55 Size Tested 95" x 119"	55/55	†	†	< 0.2
<b>Three-Panel (611)</b>	Dual-Pane	Class LC-PG50 Size Tested 141" x 82"	50/50	†	†	< 0.2
<b>Three-Panel, PG Upgrade (611)</b>	Dual-Pane	Class LC-PG65 Size Tested 141" x 82"	65/70	†	†	< 0.2
<b>Three-Panel (80, 100)</b>	Dual-Pane	Class LC-PG40 Size Tested 141" x 119"	40/40	†	†	< 0.2
<b>Three-Panel, PG Upgrade (80, 100)</b>	Dual-Pane	Class LC-PG50 Size Tested 141" x 119"	50/50	†	†	< 0.2
<b>Three-Panel, PG Upgrade (80)</b>	Dual-Pane	Class LC-PG50 Size Tested 141" x 199"	50/50	†	†	< 0.2
<b>Four-Panel (611)</b>	Dual-Pane	Class LC-PG50 Size Tested 189" x 82"	50/50	†	†	< 0.2
<b>Four-Panel, PG Upgrade (611)</b>	Dual-Pane	Class LC-PG65 Size Tested 189" x 82"	65/70	†	†	< 0.2
<b>Four-Panel (80, 100)</b>	Dual-Pane	Class LC-PG40 Size Tested 189" x 119"	40/40	†	†	< 0.2
<b>Four-Panel, PG Upgrade (80, 100)</b>	Dual-Pane	Class LC-PG50 Size Tested 189" x 119"	50/50	†	†	< 0.2
<b>Frenchwood® Hinged Inswing Patio Door</b>						
<b>Single Stationary (611, 80, 100)</b>	Dual-Pane	Class LC-PG45 Size Tested 38" x 119"	45/55	30	26	< 0.2
<b>Single Stationary, PG Upgrade (611)</b>	Dual-Pane	Class LC-PG65 Size Tested 38" x 82"	65/80	30	26	< 0.2
<b>Single Stationary, PG Upgrade (80, 100)</b>	Dual-Pane	Class LC-PG65 Size Tested 38" x 119"	65/70	30	26	< 0.2

\* "Performance Grade (PG)" ratings may vary from tested performance rating for larger or smaller units of a particular type.  
 \* "Sound Transmission Class (STC)" & "Outdoor/Indoor Transmission Class (OITC)" ratings are for individual units based on independent tests and represent entire unit.  
 • This data is accurate as of January 2018. Due to ongoing product changes, updated test results, or new industry standards, this data may change over time.  
 • Where designated, Andersen products are certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.  
 • Contact your Andersen supplier for more information.  
 †Data not available.

continued on next page

# PRODUCT PERFORMANCE

## Performance Grade, Air Infiltration and Sound Transmission Ratings – A-Series Windows and Patio Doors *(continued)*

For current performance information, please visit [andersenwindows.com](http://andersenwindows.com).

Andersen® Product	Glass Construction	AAMA/WDMA/CSA 101/IS2/A440 Performance Grade (PG)	+/- Corresponding Design Pressure (DP)	Standard Glass Sound Transmission Class (STC)	Standard Glass Outdoor/Indoor Transmission Class (OITC)	Air Infiltration CFM/FT <sup>2</sup>
<b>Frenchwood® Hinged Inswing Patio Door <i>(continued)</i></b>						
Single Active (611, 80, 100)	Dual-Pane	Class LC-PG45 Size Tested 38" x 119"	45/55	30	26	< 0.2
Single Active (611, 80)	Triple-Pane	Class LC-PG45 Size Tested 38" x 95"	45/55	31	25	< 0.2
Single Active, PG Upgrade (611)	Dual-Pane	Class LC-PG65 Size Tested 38" x 82"	65/80	†	†	< 0.2
Single Active, PG Upgrade (80, 100)	Dual-Pane	Class LC-PG65 Size Tested 38" x 119"	65/70	†	†	< 0.2
Two-Panel AP/PA (611, 80, 100)	Dual-Pane	Class LC-PG45 Size Tested 75" x 119"	45/55	30	25	< 0.2
Two-Panel AP/PA (611, 80)	Triple-Pane	Class LC-PG45 Size Tested 75" x 95"	45/45	31	26	< 0.2
Two-Panel AP/PA, PG Upgrade (611)	Dual-Pane	Class LC-PG65 Size Tested 75" x 82"	65/80	†	†	< 0.2
Two-Panel AP/PA, PG Upgrade (80)	Dual-Pane	Class LC-PG65 Size Tested 75" x 95"	65/70	†	†	< 0.2
Two-Panel AP/PA, PG Upgrade (100)	Dual-Pane	Class LC-PG50 Size Tested 75" x 119"	50/65	†	†	< 0.2
Two-Panel AS/SA/SS (611, 80)	Dual-Pane	Class LC-PG45 Size Tested 71" x 95"	45/55	30	25	< 0.2
Two-Panel AS/SA/SS, PG Upgrade (611)	Dual-Pane	Class LC-PG65 Size Tested 75" x 82"	65/80	30	25	< 0.2
Two-Panel AS/SA/SS, PG Upgrade (80)	Dual-Pane	Class LC-PG65 Size Tested 75" x 95"	65/70	30	25	< 0.2
Three-Panel (611, 80)	Dual-Pane	Class LC-PG45 Size Tested 106" x 95"	45/55	†	†	< 0.2
<b>Frenchwood® Hinged Outswing Patio Door</b>						
Single Stationary (611, 80, 100)	Dual-Pane	Class LC-PG45 Size Tested 38" x 119"	45/55	†	†	< 0.2
Single Stationary, PG Upgrade (611, 80)	Dual-Pane	Class LC-PG65 Size Tested 38" x 95"	65/80	†	†	< 0.2
Single Stationary, PG Upgrade (100)	Dual-Pane	Class LC-PG65 Size Tested 38" x 119"	65/70	†	†	< 0.2
Single Active (611, 80, 100)	Dual-Pane	Class LC-PG45 Size Tested 38" x 119"	45/55	30	25	< 0.2
Single Active (611, 80)	Triple-Pane	Class LC-PG45 Size Tested 38" x 95"	45/55	31	25	< 0.2
Single Active, PG Upgrade (611)	Dual-Pane	Class LC-PG65 Size Tested 38" x 82"	65/80	30	25	< 0.2
Single Active, PG Upgrade (80, 100)	Dual-Pane	Class LC-PG65 Size Tested 38" x 119"	65/70	30	25	< 0.2
Two-Panel (611, 80, 100)	Dual-Pane	Class LC-PG45 Size Tested 75" x 119"	45/45	31	25	< 0.2
Two-Panel (611, 80)	Triple-Pane	Class LC-PG45 Size Tested 75" x 95"	45/45	31	25	< 0.2
Two Panel, PG Upgrade (611)	Dual-Pane	Class LC-PG65 Size Tested 75" x 82"	65/80	31	25	< 0.2
Two Panel, PG Upgrade (80)	Dual-Pane	Class LC-PG65 Size Tested 75" x 95"	65/70	31	25	< 0.2
Two Panel, PG Upgrade (100)	Dual-Pane	Class LC-PG55 Size Tested 75" x 119"	55/55	31	25	< 0.2
<b>Frenchwood® Patio Door Transoms &amp; Sidelights and Venting Transom Windows</b>						
Transom	Dual-Pane	Class LC-PG70 Size Tested 112" x 27"	70/80	†	†	< 0.2
Sidelight Transom	Dual-Pane	Class LC-PG70 Size Tested 18" x 27"	70/70	†	†	< 0.2
Sidelight Transom, PG Upgrade	Dual-Pane	Class LC-PG70 Size Tested 18" x 27"	70/80	†	†	< 0.2
Sidelight (611, 80)	Dual-Pane	Class LC-PG45 Size Tested 18" x 95"	45/55	†	†	< 0.2
Sidelight (100)	Dual-Pane	Class LC-PG45 Size Tested 18" x 119"	45/70	†	†	< 0.2
Sidelight, PG Upgrade (611, 80)	Dual-Pane	Class LC-PG65 Size Tested 18" x 95"	65/80	†	†	< 0.2
Sidelight, PG Upgrade (100)	Dual-Pane	Class LC-PG70 Size Tested 18" x 119"	70/80	†	†	< 0.2
Venting Transom	Dual-Pane	Class LC-PG50 Size Tested 71" x 35"	50/50	†	†	< 0.2
<b>Complementary Springline™ &amp; Arch Inswing Patio Doors</b>						
Single Stationary	Dual-Pane	Class LC-PG45 Size Tested 37" x 95"	45/45	30	25	< 0.2
Single Active**	Dual-Pane	Class LC-PG45 Size Tested 37" x 95"	45/45	30	25	< 0.2
Two-Panel Stationary	Dual-Pane	Class LC-PG45 Size Tested 75" x 95"	45/45	30	25	< 0.2
Two-Panel Active**	Dual-Pane	Class LC-PG45 Size Tested 75" x 95"	45/45	30	25	< 0.2
<b>Complementary Springline™ &amp; Arch Outswing Patio Doors</b>						
Single Stationary	Dual-Pane	Class LC-PG45 Size Tested 37" x 95"	45/45	31	25	< 0.2
Single Active**	Dual-Pane	Class LC-PG45 Size Tested 37" x 95"	45/45	31	25	< 0.2
Two-Panel Stationary	Dual-Pane	Class LC-PG45 Size Tested 75" x 95"	45/45	31	25	< 0.2
Two-Panel Active**	Dual-Pane	Class LC-PG45 Size Tested 75" x 95"	45/45	31	25	< 0.2

- \*Performance Grade (PG) ratings may vary from tested performance rating for larger or smaller units of a particular type.
- \*\*Sound Transmission Class (STC) & "Outdoor/Indoor Transmission Class (OITC)" ratings are for individual units based on independent tests and represent entire unit.
- †This data is accurate as of January 2018. Due to ongoing product changes, updated test results or new industry standards, this data may change over time.
- Where designated, Andersen products are certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.
- Contact your Andersen supplier for more information.
- †Data not available.

**Performance Grade, Air Infiltration and Sound Transmission Ratings – Folding Doors & Residential Entranceways**

For current performance information please visit [andersenwindows.com](http://andersenwindows.com).

Andersen® Product	AAMA/WDMA/CSA 101/IS2/A440 Performance Grade (PG)	+/- Corresponding Design Pressure (DP)	Sound Transmission Class (STC)	Outdoor/Indoor Transmission Class (OITC)	Air Infiltration CFM/FT <sup>2</sup>
<b>Folding Outswing Doors (up to 288" frame width)</b>					
<b>1L3R**</b>	Class SP-PG40 Size Tested 159.8" x 95.5"	40/45	30	24	< 0.2
<b>2L2R</b>	Class SP-PG40 Size Tested 159.0" x 95.5"	40/45	30	24	< 0.2
<b>1L3R**</b>	Class SP-PG30 Size Tested 159.8" x 119.5"	30/30	30	24	< 0.2
<b>2L2R</b>	Class SP-PG30 Size Tested 159.0" x 119.5"	30/30	30	24	< 0.2
<b>Residential Springline™ Inswing Entry Door††</b>					
<b>Single Stationary</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
<b>Single Active**</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
<b>Two-Panel Stationary</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
<b>Two-Panel Active**</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
<b>Residential Springline™ Outswing Entry Door††</b>					
<b>Single Stationary</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
<b>Single Active**</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
<b>Two-Panel Stationary</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
<b>Two-Panel Active**</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
<b>Residential Arch Inswing Entry Doors††</b>					
<b>Single Stationary</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
<b>Single Active**</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
<b>Two-Panel Stationary</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
<b>Two-Panel Active**</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
<b>Residential Arch Outswing Entry Doors††</b>					
<b>Single Stationary</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
<b>Single Active**</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
<b>Two-Panel Stationary</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
<b>Two-Panel Active**</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
<b>Residential Rectangular Inswing Entry Door††</b>					
<b>Single Stationary</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
<b>Single Active**</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
<b>Single Active (latch &amp; deadbolt)</b>	Class LC-PG25 Size Tested 74" x 95"	25/25	30	25	< 0.2
<b>Two-Panel Stationary</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
<b>Two-Panel Active**</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
<b>Two-Panel Active (latch &amp; deadbolt)</b>	Class LC-PG25 Size Tested 74" x 95"	25/25	30	25	< 0.2
<b>Residential Rectangular Outswing Entry Door††</b>					
<b>Single Stationary</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
<b>Single Active**</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
<b>Single Active (latch &amp; deadbolt)</b>	Class LC-PG25 Size Tested 74" x 95"	25/25	31	25	< 0.2
<b>Two-Panel Stationary</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
<b>Two-Panel Active**</b>	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
<b>Two-Panel Active (latch &amp; deadbolt)</b>	Class LC-PG25 Size Tested 74" x 95"	25/25	31	25	< 0.2
<b>Residential Inswing Entry Door Sidelights</b>	Class LC-PG35 Size Tested 28" x 95"	30/35	†	†	< 0.2
<b>Residential Outswing Entry Doors Sidelights</b>	Class LC-PG35 Size Tested 28" x 95"	30/35	†	†	< 0.2

\* This data is accurate as of January 2018. Due to ongoing product changes, updated test results, or new industry standards, this data may change over time.

\*Actual door size tested; certification maximum door size 288" x 119 1/2".

\*\*Tested with standard multi-point hardware.

†Data not available.

††Sound Transmission Class (STC) and Outdoor/Indoor Transmission Class (OITC) for full light panel style.

# PRODUCT PERFORMANCE

## Performance Grade, Air Infiltration and Sound Transmission Ratings – Commercial Entrancesways

For current performance information, please visit [andersenwindows.com](http://andersenwindows.com).

Andersen® Product	ASTM E330-02	Structural Rating (DP)	Sound Transmission Class (STC)	Outdoor/Indoor Transmission Class (OITC)	Air Infiltration CFM/FT <sup>2</sup>
<b>Commercial Rectangular Outswing Entry Door††</b>					
Single Stationary	+/- 35 Size Tested 45" x 95"	DP35	27	24	< 0.2
Two-Panel Stationary	+/- 35 Size Tested 74" x 95"	DP35	27	22	< 0.2
<b>Commercial Outswing Entry Door Sidelights††</b>					
	+/- 35 Size Tested 45" x 95"	DP35	27	24	< 0.2
<b>Commercial Rectangular Outswing Entry Door††</b>					
Single Active (latch & deadbolt)	+/- 35 Size Tested 45" x 95"	DP35	27	24	†
Two-Panel Active (latch & deadbolt)	+/- 35 Size Tested 74" x 95"	DP35	27	22	†
Two-Panel Active (panic hardware)	+/- 35 Size Tested 74" x 95"	DP35	27	22	†

- "Performance Grade (PG)" ratings may vary from tested performance rating for larger or smaller units of a particular type.
- "Sound Transmission Class (STC)" & "Outdoor/Indoor Transmission Class (OITC)" ratings are for individual units based on independent tests and represent entire unit.
- This data is accurate as of January 2018. Due to ongoing product changes, updated test results or new industry standards, this data may change over time.
- Where designated, Andersen products are certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.
- Contact your Andersen supplier for more information.

†Data not available.

††Sound Transmission Class (STC) and Outdoor/Indoor Transmission Class (OITC) for full light panel style.

## Center of Glass Performance Data for products with High-Performance Low-E4® Dual-Pane Glass

For current performance information, please visit [andersenwindows.com](http://andersenwindows.com).

DUAL-PANE	Andersen® Product	VT <sup>1</sup>	SC <sup>2</sup>	SHGC <sup>3</sup>	RHG <sup>4</sup>	Fading		%RH @ center <sup>7</sup>	IGST <sup>8</sup>
						Tuv <sup>5</sup>	Tdw <sup>6</sup>		
<b>A-Series Windows and Patio Doors</b>									
	Casement, Awning, Double-Hung, Picture, Fixed Transom, Venting Transom, Specialty	72%	0.48	0.41	98.2	16%	33%	61%	56°F
	Frenchwood® Gliding, Hinged Inswing & Outswing Patio Doors, Patio Door Sidelight & Transom, Venting Transom	71%	0.47	0.41	97.5	16%	33%	61%	56°F
	<b>Folding Doors, Entrancesways &amp; A-Series Complementary Curved Top Patio Doors</b>	65%	0.31	0.27	207	5%	21%	61%	56°F

## Center of Glass Performance Data for products with High-Performance Low-E4® Sun Dual-Pane Glass

For current performance information, please visit [andersenwindows.com](http://andersenwindows.com).

DUAL-PANE	Andersen Product	VT <sup>1</sup>	SC <sup>2</sup>	SHGC <sup>3</sup>	RHG <sup>4</sup>	Fading		%RH @ center <sup>7</sup>	IGST <sup>8</sup>
						Tuv <sup>5</sup>	Tdw <sup>6</sup>		
<b>A-Series Windows and Patio Doors</b>									
	Casement, Awning, Double-Hung, Picture, Fixed Transom, Venting Transom, Specialty	40%	0.29	0.25	61.1	16%	24%	60%	55° F
	Frenchwood® Gliding, Hinged Inswing & Outswing Patio Doors, Patio Door Sidelight & Transom, Venting Transom	39%	0.29	0.25	60.6	15%	23%	61%	56° F
	<b>Folding Doors, Entrancesways &amp; A-Series Complementary Curved Top Patio Doors</b>	72%	0.48	0.41	310	16%	33%	61%	56°F

## Center of Glass Performance Data for products with High-Performance Low-E4® SmartSun™ Dual-Pane Glass

For current performance information, please visit [andersenwindows.com](http://andersenwindows.com).

DUAL-PANE	Andersen Product	VT <sup>1</sup>	SC <sup>2</sup>	SHGC <sup>3</sup>	RHG <sup>4</sup>	Fading		%RH @ center <sup>7</sup>	IGST <sup>8</sup>
						Tuv <sup>5</sup>	Tdw <sup>6</sup>		
<b>A-Series Windows and Patio Doors</b>									
	Casement, Awning, Double-Hung, Picture, Fixed Transom, Venting Transom, Specialty	65%	0.31	0.27	65.6	5%	21%	62%	56° F
	Frenchwood® Gliding, Hinged Inswing & Outswing Patio Doors, Patio Door Sidelight & Transom, Venting Transom	64%	0.32	0.27	66.3	5%	21%	62%	56° F
	<b>Folding Doors, Entrancesways &amp; A-Series Complementary Curved Top Patio Doors</b>	40%	0.29	0.25	193	16%	24%	59%	55°F

- "Low-E4™", "Low-E4® SmartSun™" and "Low-E4® Sun" are Andersen trademarks for "Low-E" glass.
- Based on NFRC testing/simulation conditions using Windows v7.3.4.0 and NFRC validated spectral data. 0°F outside temperature, 70°F inside temperature and a 15 mph wind.
- 1) Visible Transmittance (VT) measures how much light comes through the glass. The higher the value, from 0 to 1, the more daylight the glass lets in. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum. 2) Shading Coefficient defines the amount of heat gain through the glass compared to a single lite of clear 1/8" (3 mm) glass. 3) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the glass. 4) Relative Heat Gain is the amount of heat gain through a glazing incorporating U-Factor and Solar Heat Gain Coefficient. 5) Transmission Ultra-Violet Energy (TUV). The transmission of short-wave energy in the 300-380 nanometer portion of the solar spectrum. The energy can cause fabric fading. 6) Transmission Damage Function (TDW). The transmission of UV and visible light energy in the 300-600 nanometer portion of the solar spectrum. The value includes both the UV and visible light energy that can cause fabric fading. This rating has also been referred to as the Krochmann Damage Function. This rating better predicts fading potential than UV transmission alone. The lower the Damage Function rating, the less transmission of short-wave energy through the glass that can potentially cause fabric fading. Fabric type is also a key component of fading potential. 7) Percent relative humidity before condensation occurs at the center of glass, taken using center of glass temperature. 8) Inside glass surface temperatures are taken at the center of glass.
- This data is accurate as of January 2018. Due to ongoing product changes, updated test results or new industry standards, this data may change over time. Contact your Andersen supplier for current performance information or upgrade options.
- Contact your Andersen supplier or visit [andersenwindows.com/nfrc](http://andersenwindows.com/nfrc) for center of glass performance data on windows with laminated glass, patterned glass, tempered glass and products ordered with capillary breather tubes.



**Center of Glass Performance Data** for products with High-Performance **Low-E4**® Triple-Pane Glass

For current performance information, please visit [andersenwindows.com](http://andersenwindows.com).

Andersen® Product	VT <sup>1</sup>	SC <sup>2</sup>	SHGC <sup>3</sup>	RHG <sup>4</sup>	Fading		%RH @ center <sup>7</sup>	IGST <sup>8</sup>
					Tuv <sup>5</sup>	Tdw <sup>6</sup>		
<b>A-Series Windows and Patio Doors</b>								
<b>Low-E4</b>								
Casement, Awning, Double-Hung, Picture, Fixed Transom, Venting Transom, Specialty	66%	0.44	0.38	91.6	14%	30%	64%	57° F
Frenchwood® Gliding, Hinged Inswing & Outswing Patio Doors, Patio Door Sidelight & Transom, Venting Transom	66%	0.44	0.38	91.6	14%	30%	64%	57° F
<b>Low-E4 Enhanced</b>								
Casement, Awning, Double-Hung, Picture, Fixed Transom, Venting Transom, Specialty	63%	0.43	0.37	88.6	8%	24%	71%	60° F
Frenchwood® Gliding, Hinged Inswing & Outswing Patio Doors, Patio Door Sidelight & Transom, Venting Transom	63%	0.43	0.37	88.6	8%	24%	71%	60° F
<b>Low-E4 Enhanced with HeatLock® Technology</b>								
Casement, Awning, Double-Hung, Picture, Fixed Transom, Venting Transom, Specialty	62%	0.41	0.36	84.3	8%	23%	54%	52° F
Frenchwood® Gliding, Hinged Inswing & Outswing Patio Doors, Patio Door Sidelight & Transom, Venting Transom	63%	0.43	0.37	88.6	8%	24%	71%	60° F

**Center of Glass Performance Data** for products with High-Performance **Low-E4**® SmartSun™ Triple-Pane Glass

For current performance information, please visit [andersenwindows.com](http://andersenwindows.com).

Andersen® Product	VT <sup>1</sup>	SC <sup>2</sup>	SHGC <sup>3</sup>	RHG <sup>4</sup>	Fading		%RH @ center <sup>7</sup>	IGST <sup>8</sup>
					Tuv <sup>5</sup>	Tdw <sup>6</sup>		
<b>A-Series Windows and Patio Doors</b>								
<b>Low-E4</b>								
Casement, Awning, Double-Hung, Picture, Fixed Transom, Venting Transom, Specialty	59%	0.29	0.26	62.0	4%	19%	65%	57° F
Frenchwood® Gliding, Hinged Inswing & Outswing Patio Doors, Patio Door Sidelight & Transom, Venting Transom	59%	0.29	0.26	62.0	4%	19%	65%	57° F
<b>Low-E4 Enhanced</b>								
Casement, Awning, Double-Hung, Picture, Fixed Transom, Venting Transom, Specialty	57%	0.29	0.25	59.6	2%	16%	71%	60° F
Frenchwood® Gliding, Hinged Inswing & Outswing Patio Doors, Patio Door Sidelight & Transom, Venting Transom	57%	0.29	0.25	59.6	2%	16%	71%	60° F
<b>Low-E4 Enhanced with HeatLock® Technology</b>								
Casement, Awning, Double-Hung, Picture, Fixed Transom, Venting Transom, Specialty	56%	0.27	0.24	56.9	2%	16%	54%	53° F
Frenchwood® Gliding, Hinged Inswing & Outswing Patio Doors, Patio Door Sidelight & Transom, Venting Transom	56%	0.27	0.24	56.9	2%	16%	54%	53° F

- "Low-E4" and "Low-E4" SmartSun™ are Andersen trademarks for "Low-E" glass.
- Based on NFRC testing/simulation conditions using Windows v7.3.4.0 and NFRC validated spectral data. 0°F outside temperature, 70°F inside temperature and a 15 mph wind.
- 1) Visible Transmittance (VT) measures how much light comes through the glass. The higher the value, from 0 to 1, the more daylight the glass lets in. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum. 2) Shading Coefficient defines the amount of heat gain through the glass compared to a single lite of clear 1/8" (3 mm) glass. 3) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the glass. 4) Relative Heat Gain is the amount of heat gain through a glazing incorporating U-Factor and Solar Heat Gain Coefficient. 5) Transmission Ultra-Violet Energy (TUV). The transmission of short-wave energy in the 300-380 nanometer portion of the solar spectrum. The energy can cause fabric fading. 6) Transmission Damage Function (TDW). The transmission of UV and visible light energy in the 300-600 nanometer portion of the solar spectrum. The value includes both the UV and visible light energy that can cause fabric fading. This rating has also been referred to as the Krochmann Damage Function. This rating better predicts fading potential than UV transmission alone. The lower the Damage Function rating, the less transmission of short-wave energy through the glass that can potentially cause fabric fading. Fabric type is also a key component of fading potential. 7) Percent relative humidity before condensation occurs at the center of glass, taken using center of glass temperature. 8) Inside glass surface temperatures are taken at the center of glass.
- This data is accurate as of January 2018. Due to ongoing product changes, updated test results or new industry standards, this data may change over time. Contact your Andersen supplier for current performance information or upgrade options.
- Contact your Andersen supplier or visit [andersenwindows.com/nfrc](http://andersenwindows.com/nfrc) for center of glass performance data on windows with laminated glass, patterned glass, tempered glass and products ordered with capillary breather tubes.

# PRODUCT PERFORMANCE

## Andersen® NFRC Certified Total Unit Performance – Dual-Pane Glass

For current performance information, please visit [andersenwindows.com](http://andersenwindows.com).

Andersen® Product	High-Performance Dual-Pane Glass Type	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	VT <sup>3</sup>	
<b>A-Series Casement</b> AND-N-86	Low-E4*	Without Grilles	0.27	0.26	0.45
		Simulated Divided Light Grilles	0.27	0.24	0.40
		Finelight™ Grilles	0.27	0.24	0.40
		Full Divided Light Grilles	0.28	0.24	0.40
	Low-E4* w/HeatLock®	Without Grilles	0.24	0.25	0.44
		Simulated Divided Light Grilles	0.24	0.23	0.39
		Finelight™ Grilles	0.24	0.23	0.39
		Full Divided Light Grilles	0.26	0.23	0.39
	Low-E4* Sun	Without Grilles	0.28	0.16	0.24
		Simulated Divided Light Grilles	0.28	0.15	0.22
		Finelight™ Grilles	0.28	0.15	0.22
		Full Divided Light Grilles	0.29	0.15	0.22
	Low-E4* SmartSun®	Without Grilles	0.27	0.18	0.40
		Simulated Divided Light Grilles	0.27	0.16	0.36
		Finelight™ Grilles	0.27	0.16	0.36
		Energy Spacer Divided Light Grilles	0.27	0.16	0.36
	Low-E4* SmartSun® w/HeatLock®	Without Grilles	0.24	0.17	0.39
		Simulated Divided Light Grilles	0.24	0.16	0.35
		Finelight™ Grilles	0.24	0.16	0.35
		Energy Spacer Divided Light Grilles	0.24	0.16	0.35
<b>A-Series Awning</b> AND-N-87	Low-E4*	Without Grilles	0.27	0.25	0.43
		Simulated Divided Light Grilles	0.27	0.23	0.39
		Finelight™ Grilles	0.27	0.23	0.39
		Full Divided Light Grilles	0.28	0.23	0.39
	Low-E4* w/HeatLock®	Without Grilles	0.25	0.25	0.42
		Simulated Divided Light Grilles	0.25	0.23	0.38
		Finelight™ Grilles	0.25	0.23	0.38
		Full Divided Light Grilles	0.26	0.23	0.38
	Low-E4* Sun	Without Grilles	0.28	0.16	0.24
		Simulated Divided Light Grilles	0.28	0.14	0.21
		Finelight™ Grilles	0.28	0.14	0.21
		Full Divided Light Grilles	0.28	0.14	0.21
	Low-E4* SmartSun®	Without Grilles	0.27	0.17	0.39
		Simulated Divided Light Grilles	0.27	0.16	0.35
		Finelight™ Grilles	0.27	0.16	0.35
		Energy Spacer Divided Light Grilles	0.27	0.16	0.35
	Low-E4* SmartSun® w/HeatLock®	Without Grilles	0.24	0.17	0.38
		Simulated Divided Light Grilles	0.24	0.15	0.34
		Finelight™ Grilles	0.24	0.15	0.34
		Energy Spacer Divided Light Grilles	0.24	0.15	0.34
<b>A-Series Double-Hung</b> AND-N-91	Low-E4*	Without Grilles	0.29	0.30	0.52
		Simulated Divided Light Grilles	0.29	0.27	0.46
		Finelight™ Grilles	0.29	0.27	0.46
		Full Divided Light Grilles	0.30	0.27	0.46
	Low-E4* w/HeatLock®	Without Grilles	0.25	0.30	0.51
		Simulated Divided Light Grilles	0.25	0.27	0.45
		Finelight™ Grilles	0.25	0.27	0.45
		Full Divided Light Grilles	0.27	0.27	0.45
	Low-E4* Sun	Without Grilles	0.29	0.19	0.29
		Simulated Divided Light Grilles	0.29	0.17	0.26
		Finelight™ Grilles	0.29	0.17	0.26
		Full Divided Light Grilles	0.31	0.17	0.26
	Low-E4* SmartSun®	Without Grilles	0.27	0.20	0.47
		Simulated Divided Light Grilles	0.27	0.18	0.41
		Finelight™ Grilles	0.27	0.18	0.41
		Energy Spacer Divided Light Grilles	0.27	0.18	0.41
	Low-E4* SmartSun® w/HeatLock®	Without Grilles	0.25	0.20	0.45
		Simulated Divided Light Grilles	0.25	0.18	0.40
		Finelight™ Grilles	0.25	0.18	0.40
		Energy Spacer Divided Light Grilles	0.25	0.18	0.40

Andersen® Product	High-Performance Dual-Pane Glass Type	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	VT <sup>3</sup>	
<b>A-Series Picture</b> AND-N-88	Low-E4*	Without Grilles	0.29	0.31	0.52
		Simulated Divided Light Grilles	0.29	0.28	0.47
		Finelight™ Grilles	0.30	0.28	0.47
		Full Divided Light Grilles	0.30	0.28	0.47
	Low-E4* w/HeatLock®	Without Grilles	0.25	0.30	0.51
		Simulated Divided Light Grilles	0.25	0.27	0.46
		Finelight™ Grilles	0.26	0.27	0.46
		Full Divided Light Grilles	0.27	0.27	0.46
	Low-E4* Sun	Without Grilles	0.30	0.19	0.28
		Simulated Divided Light Grilles	0.30	0.17	0.25
		Finelight™ Grilles	0.31	0.17	0.25
		Full Divided Light Grilles	0.31	0.17	0.25
	Low-E4* SmartSun®	Without Grilles	0.29	0.21	0.47
		Simulated Divided Light Grilles	0.29	0.19	0.42
		Finelight™ Grilles	0.30	0.19	0.42
		Energy Spacer Divided Light Grilles	0.29	0.19	0.42
	Low-E4* SmartSun® w/HeatLock®	Without Grilles	0.25	0.21	0.46
		Simulated Divided Light Grilles	0.25	0.19	0.41
		Finelight™ Grilles	0.26	0.19	0.41
		Energy Spacer Divided Light Grilles	0.25	0.19	0.41
<b>A-Series Venting Transom</b> AND-N-90	Low-E4*	Without Grilles	0.28	0.27	0.46
		Simulated Divided Light Grilles	0.28	0.24	0.41
		Finelight™ Grilles	0.28	0.24	0.41
		Full Divided Light Grilles	0.28	0.24	0.41
	Low-E4* w/HeatLock®	Without Grilles	0.25	0.26	0.44
		Simulated Divided Light Grilles	0.25	0.24	0.40
		Finelight™ Grilles	0.25	0.24	0.40
		Full Divided Light Grilles	0.26	0.24	0.40
	Low-E4* Sun	Without Grilles	0.28	0.16	0.25
		Simulated Divided Light Grilles	0.28	0.15	0.22
		Finelight™ Grilles	0.28	0.15	0.22
		Full Divided Light Grilles	0.29	0.15	0.22
	Low-E4* SmartSun®	Without Grilles	0.27	0.18	0.41
		Simulated Divided Light Grilles	0.27	0.17	0.37
		Finelight™ Grilles	0.27	0.17	0.37
		Energy Spacer Divided Light Grilles	0.27	0.17	0.37
	Low-E4* SmartSun® w/HeatLock®	Without Grilles	0.24	0.18	0.40
		Simulated Divided Light Grilles	0.24	0.16	0.36
		Finelight™ Grilles	0.24	0.16	0.36
		Energy Spacer Divided Light Grilles	0.24	0.16	0.36

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- "Low-E4\*", "Low-E4\* SmartSun™", "Low-E4\* Sun" and HeatLock® are Andersen trademarks for "Low-E" glass.
- 1) U-Factor defines the amount of heat loss through the total unit in BTU/hr/ft<sup>2</sup>·°F. The lower the value, the less heat is lost through the entire product. Window values represent non-tempered glass. Use of tempered glass can increase U-Factor ratings. See [andersenwindows.com/nfrc](http://andersenwindows.com/nfrc) for specific performance values. Door values represent tempered glass.
- 2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product.
- 3) Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.
- NFRC ratings are based on modeling by a third-party agency as validated by an independent test lab in compliance with NFRC program and procedural requirements.
- This data is accurate as of January 2018. Due to ongoing product changes, updated test results or new industry standards or requirements, this data may change over time. Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on unit size, use of tempered glass, different grille options, glass for high altitudes, etc.
- Values are for single units with given pane thickness and 3/4" (19mm) grilles for windows and 1" (25mm) grilles for door products.

**Andersen® NFRC Certified Total Unit Performance – Dual-Pane Glass** (continued)  
For current performance information, please visit [andersenwindows.com](http://andersenwindows.com).

Andersen® Product	High-Performance Dual-Pane Glass Type	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	VT <sup>3</sup>		
<b>A-Series Fixed Transom</b> AND-N-89	Low-E4®	Without Grilles	0.27	0.32	0.54	
		Simulated Divided Light Grilles	0.27	0.28	0.48	
		Finelight™ Grilles	0.29	0.28	0.48	
		Full Divided Light Grilles	0.28	0.28	0.48	
	Low-E4® w/HeatLock®	Without Grilles	0.24	0.31	0.53	
		Simulated Divided Light Grilles	0.24	0.28	0.47	
		Finelight™ Grilles	0.25	0.28	0.47	
		Full Divided Light Grilles	0.26	0.28	0.47	
	Low-E4® Sun	Without Grilles	0.28	0.20	0.30	
		Simulated Divided Light Grilles	0.28	0.18	0.26	
		Finelight™ Grilles	0.29	0.18	0.26	
		Full Divided Light Grilles	0.29	0.18	0.26	
	Low-E4® SmartSun®	Without Grilles	0.27	0.21	0.49	
		Simulated Divided Light Grilles	0.27	0.19	0.43	
		Finelight™ Grilles	0.28	0.19	0.43	
		Energy Spacer Divided Light Grilles	0.27	0.19	0.43	
	Low-E4® SmartSun® w/HeatLock®	Without Grilles	0.23	0.21	0.47	
		Simulated Divided Light Grilles	0.23	0.19	0.42	
		Finelight™ Grilles	0.24	0.19	0.42	
		Energy Spacer Divided Light Grilles	0.23	0.19	0.42	
	<b>A-Series Direct-Set Specialty</b> AND-N-126	Low-E4®	Without Grilles	0.29	0.36	0.61
			Simulated Divided Light Grilles	-	-	-
			Finelight™ Grilles	0.29	0.32	0.55
			Full Divided Light Grilles	0.31	0.29	0.49
Low-E4® w/HeatLock®		Without Grilles	0.25	0.35	0.60	
		Simulated Divided Light Grilles	0.25	0.28	0.48	
		Finelight™ Grilles	0.26	0.32	0.54	
		Full Divided Light Grilles	0.27	0.28	0.48	
Low-E4® Sun		Without Grilles	0.30	0.22	0.34	
		Simulated Divided Light Grilles	-	-	-	
		Finelight™ Grilles	0.31	0.20	0.31	
		Full Divided Light Grilles	0.31	0.18	0.27	
Low-E4® SmartSun®		Without Grilles	0.28	0.24	0.55	
		Simulated Divided Light Grilles	-	-	-	
		Finelight™ Grilles	0.30	0.21	0.50	
		Full Divided Light Grilles	0.30	0.19	0.44	
Low-E4® SmartSun® w/HeatLock®		Without Grilles	0.24	0.23	0.54	
		Simulated Divided Light Grilles	0.24	0.19	0.43	
		Finelight™ Grilles	0.26	0.21	0.48	
		Full Divided Light Grilles	0.27	0.19	0.43	
<b>A-Series Sash-Set Specialty</b> AND-N-128		Low-E4®	Without Grilles	0.29	0.32	0.55
			Simulated Divided Light Grilles	0.29	0.26	0.43
			Finelight™ Grilles	0.31	0.29	0.49
			Full Divided Light Grilles	0.31	0.26	0.43
	Low-E4® w/HeatLock®	Without Grilles	0.25	0.31	0.54	
		Simulated Divided Light Grilles	0.25	0.25	0.42	
		Finelight™ Grilles	0.26	0.28	0.48	
		Full Divided Light Grilles	0.28	0.25	0.42	
	Low-E4® Sun	Without Grilles	0.30	0.20	0.31	
		Simulated Divided Light Grilles	0.30	0.16	0.24	
		Finelight™ Grilles	0.31	0.18	0.27	
		Full Divided Light Grilles	0.31	0.16	0.24	
	Low-E4® SmartSun®	Without Grilles	0.29	0.21	0.49	
		Simulated Divided Light Grilles	0.29	0.17	0.39	
		Finelight™ Grilles	0.30	0.19	0.44	
		Full Divided Light Grilles	0.30	0.17	0.39	
	Low-E4® SmartSun® w/HeatLock®	Without Grilles	0.25	0.21	0.48	
		Simulated Divided Light Grilles	0.25	0.17	0.38	
		Finelight™ Grilles	0.26	0.19	0.43	
		Full Divided Light Grilles	0.27	0.17	0.38	

Andersen® Product	High-Performance Dual-Pane Glass Type	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	VT <sup>3</sup>	
<b>A-Series Complementary Casement</b> AND-N-107	Low-E4®	Without Grilles	0.31	0.28	0.47
		Simulated Divided Light Grilles	0.31	0.25	0.42
		Finelight™ Grilles	0.31	0.25	0.42
		Full Divided Light Grilles	0.31	0.25	0.42
	Low-E4® w/HeatLock®	Without Grilles	0.27	0.27	0.46
		Simulated Divided Light Grilles	0.27	0.25	0.41
		Finelight™ Grilles	0.27	0.25	0.41
		Full Divided Light Grilles	0.29	0.25	0.41
	Low-E4® Sun	Without Grilles	0.31	0.17	0.26
		Simulated Divided Light Grilles	0.31	0.16	0.23
		Finelight™ Grilles	0.31	0.16	0.23
		Full Divided Light Grilles	0.32	0.16	0.23
	Low-E4® SmartSun®	Without Grilles	0.30	0.18	0.42
		Simulated Divided Light Grilles	0.30	0.17	0.38
		Finelight™ Grilles	0.30	0.17	0.38
		Full Divided Light Grilles	0.31	0.17	0.38
	Low-E4® SmartSun® w/HeatLock®	Without Grilles	0.27	0.18	0.41
		Simulated Divided Light Grilles	0.27	0.17	0.37
		Finelight™ Grilles	0.27	0.17	0.37
		Full Divided Light Grilles	0.28	0.17	0.37
	Low-E4®	Without Grilles	0.30	0.26	0.45
		Simulated Divided Light Grilles	0.30	0.23	0.38
		Finelight™ Grilles	0.32	0.23	0.38
		Full Divided Light Grilles	0.31	0.23	0.38
Low-E4® w/HeatLock®	Without Grilles	0.26	0.26	0.44	
	Simulated Divided Light Grilles	0.26	0.22	0.37	
	Finelight™ Grilles	0.28	0.22	0.37	
	Full Divided Light Grilles	0.29	0.22	0.37	
Low-E4® Sun	Without Grilles	0.30	0.16	0.24	
	Simulated Divided Light Grilles	0.30	0.14	0.21	
	Finelight™ Grilles	0.32	0.14	0.21	
	Full Divided Light Grilles	0.31	0.14	0.21	
Low-E4® SmartSun®	Without Grilles	0.29	0.18	0.40	
	Simulated Divided Light Grilles	0.29	0.16	0.35	
	Finelight™ Grilles	0.31	0.16	0.35	
	Energy Spacer Divided Light Grilles	0.29	0.16	0.35	
Low-E4® SmartSun® w/HeatLock®	Without Grilles	0.26	0.17	0.39	
	Simulated Divided Light Grilles	0.26	0.15	0.34	
	Finelight™ Grilles	0.28	0.15	0.34	
	Energy Spacer Divided Light Grilles	0.26	0.15	0.34	
Low-E4®	Without Grilles	0.28	0.15	0.34	
	Simulated Divided Light Grilles	0.28	0.15	0.34	
	Finelight™ Grilles	0.28	0.15	0.34	
	Full Divided Light Grilles	0.28	0.15	0.34	

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• "Low-E4™", "Low-E4® SmartSun™", "Low-E4® Sun" and HeatLock® are Andersen trademarks for "Low-E" glass.  
 1) U-Factor defines the amount of heat loss through the total unit in BTU/hr/ft²·°F. The lower the value, the less heat is lost through the entire product. Window values represent non-tempered glass. Use of tempered glass can increase U-Factor ratings. See [andersenwindows.com/nfrc](http://andersenwindows.com/nfrc) for specific performance values. Door values represent tempered glass. 2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product. 3) Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.  
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 • This data is accurate as of January 2018. Due to ongoing product changes, updated test results or new industry standards or requirements, this data may change over time. Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on unit size, use of tempered glass, different grille options, glass for high altitudes, etc.  
 • Values are for single units with given pane thickness and 3/4" (19mm) grilles for windows and 1" (25mm) grilles for door products.

# PRODUCT PERFORMANCE

## Andersen® NFRC Certified Total Unit Performance – Dual-Pane Glass (continued) For current performance information, please visit [andersenwindows.com](http://andersenwindows.com).

Andersen® Product	High-Performance Dual-Pane Glass Type	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	VT <sup>3</sup>	
<b>A-Series Frenchwood® Hinged Inswing Patio Door</b> AND-N-92	Low-E4*	Without Grilles	0.30	0.24	0.41
		Simulated Divided Light Grilles	0.30	0.21	0.35
		Finelight™ Grilles	0.31	0.21	0.35
		Full Divided Light Grilles	0.31	0.21	0.35
	Low-E4* w/HeatLock®	Without Grilles	0.27	0.24	0.40
		Simulated Divided Light Grilles	0.27	0.21	0.34
		Finelight™ Grilles	0.28	0.21	0.34
		Full Divided Light Grilles	0.29	0.21	0.34
	Low-E4* Sun	Without Grilles	0.30	0.15	0.23
		Simulated Divided Light Grilles	0.30	0.13	0.19
		Finelight™ Grilles	0.32	0.13	0.19
		Full Divided Light Grilles	0.32	0.13	0.19
	Low-E4* SmartSun®	Without Grilles	0.30	0.16	0.37
		Simulated Divided Light Grilles	0.30	0.14	0.31
		Finelight™ Grilles	0.31	0.14	0.31
		Energy Spacer Divided Light Grilles	0.30	0.14	0.31
	Low-E4* SmartSun® w/HeatLock®	Without Grilles	0.27	0.16	0.36
		Simulated Divided Light Grilles	0.27	0.14	0.31
		Finelight™ Grilles	0.28	0.14	0.31
		Energy Spacer Divided Light Grilles	0.27	0.14	0.31
<b>A-Series Frenchwood® Hinged Outswing Patio Door</b> AND-N-93	Low-E4*	Without Grilles	0.30	0.24	0.41
		Simulated Divided Light Grilles	0.30	0.21	0.35
		Finelight™ Grilles	0.31	0.21	0.35
		Full Divided Light Grilles	0.31	0.21	0.35
	Low-E4* w/HeatLock®	Without Grilles	0.26	0.24	0.40
		Simulated Divided Light Grilles	0.26	0.21	0.34
		Finelight™ Grilles	0.28	0.21	0.34
		Full Divided Light Grilles	0.29	0.21	0.34
	Low-E4* Sun	Without Grilles	0.30	0.15	0.23
		Simulated Divided Light Grilles	0.30	0.13	0.19
		Finelight™ Grilles	0.31	0.13	0.19
		Full Divided Light Grilles	0.31	0.13	0.19
	Low-E4* SmartSun®	Without Grilles	0.29	0.16	0.37
		Simulated Divided Light Grilles	0.29	0.14	0.31
		Finelight™ Grilles	0.30	0.14	0.31
		Energy Spacer Divided Light Grilles	0.29	0.14	0.31
	Low-E4* SmartSun® w/HeatLock®	Without Grilles	0.26	0.16	0.36
		Simulated Divided Light Grilles	0.26	0.14	0.31
		Finelight™ Grilles	0.27	0.14	0.31
		Energy Spacer Divided Light Grilles	0.26	0.14	0.31
<b>A-Series Frenchwood® Patio Door Sidelight Transom</b> Direct-Set AND-N-96	Low-E4*	Without Grilles	0.28	0.34	0.58
		Simulated Divided Light Grilles	0.28	0.31	0.53
		Finelight™ Grilles	0.29	0.31	0.53
		Full Divided Light Grilles	0.29	0.31	0.53
	Low-E4* w/HeatLock®	Without Grilles	0.24	0.33	0.57
		Simulated Divided Light Grilles	0.24	0.30	0.51
		Finelight™ Grilles	0.25	0.30	0.51
		Full Divided Light Grilles	0.26	0.30	0.51
	Low-E4* Sun	Without Grilles	0.28	0.21	0.32
		Simulated Divided Light Grilles	0.28	0.19	0.29
		Finelight™ Grilles	0.29	0.19	0.29
		Full Divided Light Grilles	0.29	0.19	0.29
	Low-E4* SmartSun®	Without Grilles	0.27	0.22	0.52
		Simulated Divided Light Grilles	0.27	0.20	0.47
		Finelight™ Grilles	0.28	0.20	0.47
		Energy Spacer Divided Light Grilles	0.27	0.20	0.47
	Low-E4* SmartSun® w/HeatLock®	Without Grilles	0.24	0.22	0.51
		Simulated Divided Light Grilles	0.24	0.20	0.46
		Finelight™ Grilles	0.24	0.20	0.46
		Energy Spacer Divided Light Grilles	0.24	0.20	0.46

Andersen® Product	High-Performance Dual-Pane Glass Type	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	VT <sup>3</sup>	
<b>A-Series Frenchwood® Patio Door Sidelight Transom</b> Sash-Set AND-N-95	Low-E4*	Without Grilles	0.29	0.26	0.43
		Simulated Divided Light Grilles	0.29	0.23	0.39
		Finelight™ Grilles	0.30	0.23	0.39
		Full Divided Light Grilles	0.30	0.23	0.39
	Low-E4* w/HeatLock®	Without Grilles	0.26	0.25	0.42
		Simulated Divided Light Grilles	0.26	0.23	0.38
		Finelight™ Grilles	0.27	0.23	0.38
		Full Divided Light Grilles	0.28	0.23	0.38
	Low-E4* Sun	Without Grilles	0.30	0.16	0.24
		Simulated Divided Light Grilles	0.30	0.14	0.21
		Finelight™ Grilles	0.30	0.14	0.21
		Full Divided Light Grilles	0.30	0.14	0.21
	Low-E4* SmartSun®	Without Grilles	0.29	0.17	0.39
		Simulated Divided Light Grilles	0.29	0.16	0.35
		Finelight™ Grilles	0.29	0.16	0.35
		Energy Spacer Divided Light Grilles	0.29	0.16	0.35
	Low-E4* SmartSun® w/HeatLock®	Without Grilles	0.26	0.17	0.38
		Simulated Divided Light Grilles	0.26	0.15	0.34
		Finelight™ Grilles	0.26	0.15	0.34
		Energy Spacer Divided Light Grilles	0.26	0.15	0.34
<b>A-Series Frenchwood® Patio Door Transom</b> Direct-Set AND-N-96	Low-E4*	Without Grilles	0.31	0.33	0.56
		Simulated Divided Light Grilles	0.31	0.30	0.51
		Finelight™ Grilles	0.28	0.30	0.51
		Full Divided Light Grilles	0.31	0.30	0.51
	Low-E4* w/HeatLock®	Without Grilles	0.27	0.32	0.55
		Simulated Divided Light Grilles	0.27	0.29	0.50
		Finelight™ Grilles	0.24	0.29	0.50
		Full Divided Light Grilles	0.28	0.29	0.50
	Low-E4* Sun	Without Grilles	0.31	0.21	0.30
		Simulated Divided Light Grilles	0.31	0.19	0.27
		Finelight™ Grilles	0.28	0.18	0.27
		Full Divided Light Grilles	0.32	0.19	0.27
	Low-E4* SmartSun®	Without Grilles	0.30	0.23	0.51
		Simulated Divided Light Grilles	0.30	0.21	0.46
		Finelight™ Grilles	0.27	0.20	0.46
		Energy Spacer Divided Light Grilles	0.30	0.21	0.46
	Low-E4* SmartSun® w/HeatLock®	Without Grilles	0.26	0.22	0.49
		Simulated Divided Light Grilles	0.26	0.20	0.45
		Finelight™ Grilles	0.24	0.20	0.45
		Energy Spacer Divided Light Grilles	0.26	0.20	0.45

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- "Low-E4\*", "Low-E4\* SmartSun™", "Low-E4° Sun" and HeatLock® are Andersen trademarks for "Low-E" glass.
- 1) U-Factor defines the amount of heat loss through the total unit in BTU/hr/ft<sup>2</sup>·°F. The lower the value, the less heat is lost through the entire product. Window values represent non-tempered glass. Use of tempered glass can increase U-Factor ratings. See [andersenwindows.com/nfrc](http://andersenwindows.com/nfrc) for specific performance values. Door values represent tempered glass.
- 2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product.
- 3) Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.
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- Values are for single units with given pane thickness and 3/4" (19mm) grilles for windows and 1" (25mm) grilles for door products.

**Andersen® NFRC Certified Total Unit Performance – Dual-Pane Glass (continued)**  
For current performance information, please visit [andersenwindows.com](http://andersenwindows.com).

Andersen® Product	High-Performance Dual-Pane Glass Type	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	VT <sup>3</sup>		
<b>A-Series Frenchwood® Patio Door Transom</b> Sash-Set AND-N-95	Low-E4®	Without Grilles	-	-	-	
		Simulated Divided Light Grilles	-	-	-	
		Finelight™ Grilles	-	-	-	
		Full Divided Light Grilles	-	-	-	
	Low-E4® w/HeatLock®	Without Grilles	-	-	-	
		Simulated Divided Light Grilles	-	-	-	
		Finelight™ Grilles	-	-	-	
		Full Divided Light Grilles	-	-	-	
	Low-E4® Sun	Without Grilles	-	-	-	
		Simulated Divided Light Grilles	-	-	-	
		Finelight™ Grilles	-	-	-	
		Full Divided Light Grilles	-	-	-	
	Low-E4® SmartSun™	Without Grilles	-	-	-	
		Simulated Divided Light Grilles	-	-	-	
		Finelight™ Grilles	-	-	-	
		Energy Spacer Divided Light Grilles	-	-	-	
Low-E4® SmartSun™ w/HeatLock®	Without Grilles	-	-	-		
	Simulated Divided Light Grilles	-	-	-		
	Finelight™ Grilles	-	-	-		
	Energy Spacer Divided Light Grilles	-	-	-		
<b>A-Series Frenchwood® Patio Door Sidelight</b> AND-N-94	Low-E4®	Without Grilles	0.30	0.23	0.38	
		Simulated Divided Light Grilles	0.30	0.21	0.34	
		Finelight™ Grilles	0.31	0.21	0.34	
		Full Divided Light Grilles	0.31	0.21	0.34	
	Low-E4® w/HeatLock®	Without Grilles	0.27	0.22	0.37	
		Simulated Divided Light Grilles	0.27	0.20	0.33	
		Finelight™ Grilles	0.28	0.20	0.33	
		Full Divided Light Grilles	0.28	0.20	0.33	
	Low-E4® Sun	Without Grilles	0.30	0.14	0.21	
		Simulated Divided Light Grilles	0.30	0.13	0.19	
		Finelight™ Grilles	0.31	0.13	0.19	
		Full Divided Light Grilles	0.31	0.13	0.19	
	Low-E4® SmartSun™	Without Grilles	0.29	0.15	0.34	
		Simulated Divided Light Grilles	0.29	0.14	0.30	
		Finelight™ Grilles	0.30	0.14	0.30	
		Energy Spacer Divided Light Grilles	0.29	0.14	0.30	
	Low-E4® SmartSun™ w/HeatLock®	Without Grilles	0.27	0.15	0.34	
		Simulated Divided Light Grilles	0.27	0.14	0.30	
		Finelight™ Grilles	0.27	0.14	0.30	
		Energy Spacer Divided Light Grilles	0.27	0.14	0.30	
	<b>A-Series Complementary Inswing Patio Door</b> Springline™ & Arch AND-N-127	Low-E4®	Without Grilles	0.31	0.24	0.41
			Simulated Divided Light Grilles	0.31	0.18	0.30
			Finelight™ Grilles	0.32	0.21	0.35
			Full Divided Light Grilles	0.32	0.18	0.30
Low-E4® w/HeatLock®		Without Grilles	0.28	0.24	0.40	
		Simulated Divided Light Grilles	0.28	0.18	0.29	
		Finelight™ Grilles	0.29	0.21	0.34	
		Full Divided Light Grilles	0.30	0.18	0.29	
Low-E4® Sun		Without Grilles	0.31	0.15	0.23	
		Simulated Divided Light Grilles	0.31	0.12	0.17	
		Finelight™ Grilles	0.33	0.13	0.20	
		Full Divided Light Grilles	0.33	0.12	0.17	
Low-E4® SmartSun™		Without Grilles	0.31	0.16	0.37	
		Simulated Divided Light Grilles	0.31	0.12	0.27	
		Finelight™ Grilles	0.32	0.14	0.32	
		Full Divided Light Grilles	0.32	0.12	0.27	
Low-E4® SmartSun™ w/HeatLock®		Without Grilles	0.28	0.16	0.36	
		Simulated Divided Light Grilles	0.28	0.12	0.26	
		Finelight™ Grilles	0.29	0.14	0.31	
		Full Divided Light Grilles	0.30	0.12	0.26	

Andersen® Product	High-Performance Dual-Pane Glass Type	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	VT <sup>3</sup>	
<b>A-Series Complementary Outswing Patio Door</b> Springline™ & Arch AND-N-127	Low-E4®	Without Grilles	0.32	0.25	0.41
		Simulated Divided Light Grilles	0.32	0.19	0.30
		Finelight™ Grilles	0.33	0.22	0.35
		Full Divided Light Grilles	0.33	0.19	0.30
	Low-E4® w/HeatLock®	Without Grilles	0.29	0.24	0.40
		Simulated Divided Light Grilles	0.29	0.18	0.29
		Finelight™ Grilles	0.30	0.21	0.35
		Full Divided Light Grilles	0.31	0.18	0.29
	Low-E4® Sun	Without Grilles	0.32	0.16	0.23
		Simulated Divided Light Grilles	0.32	0.12	0.17
		Finelight™ Grilles	0.33	0.14	0.20
		Full Divided Light Grilles	0.33	0.12	0.17
	Low-E4® SmartSun™	Without Grilles	0.31	0.17	0.37
		Simulated Divided Light Grilles	0.31	0.15	0.32
		Finelight™ Grilles	0.33	0.15	0.32
		Full Divided Light Grilles	0.33	0.15	0.32
Low-E4® SmartSun™ w/HeatLock®	Without Grilles	0.28	0.16	0.36	
	Simulated Divided Light Grilles	0.28	0.15	0.31	
	Finelight™ Grilles	0.29	0.15	0.31	
	Full Divided Light Grilles	0.31	0.15	0.31	
<b>A-Series Complementary Patio Door Sidelight</b> Arch AND-N-131	Low-E4®	Without Grilles	0.31	0.23	0.38
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	0.31	0.21	0.34
		Full Divided Light Grilles	0.32	0.18	0.30
	Low-E4® w/HeatLock®	Without Grilles	0.28	0.22	0.37
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	0.28	0.20	0.33
		Full Divided Light Grilles	0.30	0.18	0.29
	Low-E4® Sun	Without Grilles	0.32	0.14	0.21
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	0.32	0.13	0.19
		Full Divided Light Grilles	0.33	0.12	0.17
Low-E4® SmartSun™	Without Grilles	0.31	0.15	0.34	
	Simulated Divided Light Grilles	-	-	-	
	Finelight™ Grilles	0.31	0.14	0.30	
	Full Divided Light Grilles	0.32	0.13	0.27	
Low-E4® SmartSun™ w/HeatLock®	Without Grilles	0.28	0.15	0.34	
	Simulated Divided Light Grilles	-	-	-	
	Finelight™ Grilles	0.28	0.14	0.30	
	Full Divided Light Grilles	0.30	0.12	0.26	

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- "Low-E4™", "Low-E4™ SmartSun™", "Low-E4™ Sun" and HeatLock® are Andersen trademarks for "Low-E" glass.
- 1) U-Factor defines the amount of heat loss through the total unit in BTU/hr/ft².°F. The lower the value, the less heat is lost through the entire product. Window values represent non-tempered glass. Use of tempered glass can increase U-Factor ratings. See [andersenwindows.com/nfrc](http://andersenwindows.com/nfrc) for specific performance values. Door values represent tempered glass.
- 2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product.
- 3) Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.
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- Values are for single units with given pane thickness and 3/4" (19mm) grilles for windows and 1" (25mm) grilles for door products.

# PRODUCT PERFORMANCE

**Andersen® NFRC Certified Total Unit Performance – Dual-Pane Glass** (continued)  
For current performance information please visit [andersenwindows.com](http://andersenwindows.com).

Andersen® Product	High-Performance Dual-Pane Glass Type	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	VT <sup>3</sup>	
<b>Folding Doors</b> AND-N-153	Low-E4*	Without Grilles	0.36	0.26	0.44
		Simulated Divided Light Grilles	0.36	0.23	0.37
		Finelight™ Grilles	0.37	0.23	0.37
		Full Divided Light Grilles	0.37	0.23	0.37
	Low-E4* w/HeatLock®	Without Grilles	0.32	0.26	0.43
		Simulated Divided Light Grilles	0.32	0.22	0.37
		Finelight™ Grilles	0.34	0.22	0.37
		Full Divided Light Grilles	0.34	0.22	0.37
	Low-E4* Sun	Without Grilles	0.36	0.16	0.24
		Simulated Divided Light Grilles	0.36	0.14	0.21
		Finelight™ Grilles	0.37	0.14	0.21
		Full Divided Light Grilles	0.37	0.14	0.21
	Low-E4* Sun w/HeatLock®	Without Grilles	0.33	0.16	0.24
		Simulated Divided Light Grilles	0.33	0.14	0.20
		Finelight™ Grilles	0.34	0.14	0.20
		Full Divided Light Grilles	0.35	0.14	0.20
	Low-E4* SmartSun™	Without Grilles	0.35	0.18	0.39
		Simulated Divided Light Grilles	0.35	0.15	0.34
		Finelight™ Grilles	0.36	0.15	0.34
		Full Divided Light Grilles	0.36	0.15	0.34
Low-E4* SmartSun™ w/HeatLock®	Without Grilles	0.32	0.17	0.38	
	Simulated Divided Light Grilles	0.32	0.15	0.33	
	Finelight™ Grilles	0.33	0.15	0.33	
	Full Divided Light Grilles	0.34	0.15	0.33	
<b>Residential Inswing Entry Door*</b> Arch & Rectangular AND-N-135	Low-E4*	Without Grilles	0.32	0.22	0.37
		Simulated Divided Light Grilles	0.32	0.16	0.26
		Finelight™ Grilles	0.33	0.19	0.31
		Full Divided Light Grilles	0.33	0.16	0.26
	Low-E4* w/HeatLock®	Without Grilles	-	-	-
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4* Sun	Without Grilles	0.32	0.14	0.20
		Simulated Divided Light Grilles	0.32	0.11	0.14
		Finelight™ Grilles	0.34	0.12	0.17
		Full Divided Light Grilles	0.34	0.11	0.14
	Low-E4* SmartSun™	Without Grilles	0.32	0.15	0.33
		Simulated Divided Light Grilles	0.32	0.11	0.23
		Finelight™ Grilles	0.33	0.13	0.28
		Full Divided Light Grilles	0.33	0.11	0.23
	Low-E4* SmartSun™ w/HeatLock®	Without Grilles	-	-	-
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
<b>Residential/Commercial Inswing Entry Door Transoms</b> Sash-Set AND-N-145	Low-E4*	Without Grilles	0.31	0.27	0.47
		Simulated Divided Light Grilles	0.31	0.25	0.41
		Finelight™ Grilles	0.30	0.24	0.41
		Full Divided Light Grilles	0.32	0.25	0.41
	Low-E4* w/HeatLock®	Without Grilles	-	-	-
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4* Sun	Without Grilles	0.31	0.17	0.26
		Simulated Divided Light Grilles	0.31	0.15	0.23
		Finelight™ Grilles	0.32	0.15	0.23
		Full Divided Light Grilles	0.32	0.15	0.23
	Low-E4* SmartSun™	Without Grilles	0.30	0.18	0.42
		Simulated Divided Light Grilles	0.30	0.16	0.37
		Finelight™ Grilles	0.31	0.16	0.37
		Full Divided Light Grilles	0.31	0.16	0.37
	Low-E4* SmartSun™ w/HeatLock®	Without Grilles	-	-	-
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-

Andersen® Product	High-Performance Dual-Pane Glass Type	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	VT <sup>3</sup>	
<b>Residential Inswing Entry Door Sidelights*</b> Sash-Set Arch & Rectangular AND-N-136	Low-E4*	Without Grilles	0.33	0.19	0.31
		Simulated Divided Light Grilles	0.33	0.15	0.24
		Finelight™ Grilles	0.34	0.17	0.27
		Full Divided Light Grilles	0.34	0.15	0.24
	Low-E4* w/HeatLock®	Without Grilles	-	-	-
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4* Sun	Without Grilles	0.34	0.12	0.17
		Simulated Divided Light Grilles	0.34	0.10	0.13
		Finelight™ Grilles	0.34	0.11	0.15
		Full Divided Light Grilles	0.34	0.10	0.13
	Low-E4* SmartSun™	Without Grilles	0.33	0.13	0.28
		Simulated Divided Light Grilles	0.33	0.10	0.21
		Finelight™ Grilles	0.34	0.12	0.25
		Full Divided Light Grilles	0.34	0.10	0.21
	Low-E4* SmartSun™ w/HeatLock®	Without Grilles	-	-	-
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
<b>Residential Outswing Entry Door*</b> Arch & Rectangular AND-N-135	Low-E4*	Without Grilles	0.33	0.22	0.36
		Simulated Divided Light Grilles	0.33	0.17	0.26
		Finelight™ Grilles	0.34	0.19	0.31
		Full Divided Light Grilles	0.34	0.17	0.26
	Low-E4* w/HeatLock®	Without Grilles	-	-	-
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4* Sun	Without Grilles	0.33	0.14	0.20
		Simulated Divided Light Grilles	0.33	0.11	0.14
		Finelight™ Grilles	0.34	0.12	0.17
		Full Divided Light Grilles	0.34	0.11	0.14
	Low-E4* SmartSun™	Without Grilles	0.32	0.15	0.33
		Simulated Divided Light Grilles	0.32	0.12	0.23
		Finelight™ Grilles	0.34	0.13	0.28
		Full Divided Light Grilles	0.34	0.12	0.23
	Low-E4* SmartSun™ w/HeatLock®	Without Grilles	-	-	-
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-

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- "Low-E4\*", "Low-E4" SmartSun™, "Low-E4" Sun" and HeatLock® are Andersen trademarks for "Low-E" glass.
- 1) U-Factor defines the amount of heat loss through the total unit in BTU/hr/ft<sup>2</sup> °F. The lower the value, the less heat is lost through the entire product. Window values represent non-tempered glass. Use of tempered glass can increase U-Factor ratings. See [andersenwindows.com/nfrc](http://andersenwindows.com/nfrc) for specific performance values. Door values represent tempered glass.
- 2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product.
- 3) Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.
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- This data is accurate as of January 2018. Due to ongoing product changes, updated test results, or new industry standards or requirements, this data may change over time. Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on unit size, use of tempered glass, different grille options, glass for high altitudes, etc.
- Values are for single units with given pane thickness and 3/4" (19mm) grilles for windows and 1" (25mm) grilles for door products.
- \*Ratings for product with 4 3/4" (121mm) stile widths. Ratings for Springline™ entry doors and additional stile widths can be found at [andersenwindows.com/nfrc](http://andersenwindows.com/nfrc).

**Andersen® NFRC Certified Total Unit Performance – Dual-Pane Glass (continued)**

For current performance information, please visit [andersenwindows.com](http://andersenwindows.com).

Andersen® Product	High-Performance Dual-Pane Glass Type	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	VT <sup>3</sup>	
<b>Residential/Commercial Outswing Entry Door Transom*</b> Sash-Set AND-N-130	Low-E4®	Without Grilles	0.31	0.29	0.49
		Simulated Divided Light Grilles	0.31	0.26	0.43
		Finelight™ Grilles	0.31	0.26	0.43
		Full Divided Light Grilles	0.32	0.26	0.43
	Low-E4® w/HeatLock®	Without Grilles	0.28	0.28	0.48
		Simulated Divided Light Grilles	0.28	0.25	0.42
		Finelight™ Grilles	0.28	0.25	0.42
		Full Divided Light Grilles	0.30	0.25	0.42
	Low-E4® Sun	Without Grilles	0.29	0.17	0.26
		Simulated Divided Light Grilles	0.29	0.15	0.23
		Finelight™ Grilles	0.31	0.16	0.24
		Full Divided Light Grilles	0.30	0.15	0.23
	Low-E4® SmartSun™	Without Grilles	0.31	0.19	0.44
		Simulated Divided Light Grilles	0.31	0.17	0.39
		Finelight™ Grilles	0.31	0.17	0.39
		Full Divided Light Grilles	0.32	0.17	0.39
	Low-E4® SmartSun™ w/HeatLock®	Without Grilles	0.27	0.19	0.43
		Simulated Divided Light Grilles	0.27	0.17	0.38
		Finelight™ Grilles	0.27	0.17	0.38
		Full Divided Light Grilles	0.29	0.18	0.38
<b>Residential Outswing Entry Door Sidelights*</b> Arch & Rectangular AND-N-136	Low-E4®	Without Grilles	0.34	0.19	0.31
		Simulated Divided Light Grilles	0.34	0.15	0.24
		Finelight™ Grilles	0.35	0.17	0.27
		Full Divided Light Grilles	0.35	0.15	0.24
	Low-E4® w/HeatLock®	Without Grilles	-	-	-
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4® Sun	Without Grilles	0.34	0.12	0.17
		Simulated Divided Light Grilles	0.34	0.10	0.13
		Finelight™ Grilles	0.35	0.11	0.15
		Full Divided Light Grilles	0.35	0.10	0.13
	Low-E4® SmartSun™	Without Grilles	0.33	0.13	0.28
		Simulated Divided Light Grilles	0.33	0.11	0.21
		Finelight™ Grilles	0.34	0.12	0.25
		Full Divided Light Grilles	0.34	0.11	0.21
	Low-E4® SmartSun™ w/HeatLock®	Without Grilles	-	-	-
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
<b>Commercial Rectangular Outswing Entry Door*</b> AND-N-139	Low-E4®	Without Grilles	0.33	0.21	0.35
		Simulated Divided Light Grilles	0.33	0.16	0.24
		Finelight™ Grilles	0.35	0.18	0.29
		Full Divided Light Grilles	0.34	0.16	0.24
	Low-E4® w/HeatLock®	Without Grilles	-	-	-
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4® Sun	Without Grilles	0.34	0.13	0.19
		Simulated Divided Light Grilles	0.34	0.10	0.14
		Finelight™ Grilles	0.35	0.12	0.16
		Full Divided Light Grilles	0.35	0.10	0.14
	Low-E4® SmartSun™	Without Grilles	0.33	0.15	0.31
		Simulated Divided Light Grilles	0.33	0.11	0.22
		Finelight™ Grilles	0.34	0.13	0.26
		Full Divided Light Grilles	0.34	0.11	0.22
	Low-E4® SmartSun™ w/HeatLock®	Without Grilles	-	-	-
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-

Andersen® Product	High-Performance Dual-Pane Glass Type	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	VT <sup>3</sup>	
<b>Commercial Outswing Entry Door Sidelights*</b> Rectangular AND-N-144	Low-E4®	Without Grilles	0.35	0.19	0.30
		Simulated Divided Light Grilles	0.35	0.15	0.22
		Finelight™ Grilles	0.36	0.16	0.26
		Full Divided Light Grilles	0.36	0.15	0.22
	Low-E4® w/HeatLock®	Without Grilles	-	-	-
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4® Sun	Without Grilles	0.35	0.12	0.17
		Simulated Divided Light Grilles	0.35	0.10	0.12
		Finelight™ Grilles	0.36	0.11	0.14
		Full Divided Light Grilles	0.36	0.10	0.12
	Low-E4® SmartSun™	Without Grilles	0.34	0.13	0.27
		Simulated Divided Light Grilles	0.34	0.10	0.20
		Finelight™ Grilles	0.35	0.11	0.23
		Full Divided Light Grilles	0.35	0.10	0.20
	Low-E4® SmartSun™ w/HeatLock®	Without Grilles	-	-	-
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Full Divided Light Grilles	-	-	-

• "Low-E4™", "Low-E4 SmartSun™", "Low-E4 Sun™" and HeatLock® are Andersen trademarks for "Low-E" glass.

1) U-Factor defines the amount of heat loss through the total unit in BTU/hr/ft². °F. The lower the value, the less heat is lost through the entire product. Window values represent non-tempered glass. Use of tempered glass can increase U-Factor ratings. See [andersenwindows.com/nfrc](http://andersenwindows.com/nfrc) for specific performance values. Door values represent tempered glass. 2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product. 3) Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.

• NFRC ratings are based on modeling by a third-party agency as validated by an independent test lab in compliance with NFRC program and procedural requirements.

• This data is accurate as of January 2018. Due to ongoing product changes, updated test results or new industry standards or requirements, this data may change over time. Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on unit size, use of tempered glass, different grille options, glass for high altitudes, etc.

• Values are for single units with given pane thickness and 3/4" (19mm) grilles for windows and 1" (25mm) grilles for door products.

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# PRODUCT PERFORMANCE

## Andersen® NFRC Certified Total Unit Performance – Triple-Pane Glass

For current performance information, please visit [andersenwindows.com](http://andersenwindows.com).

Andersen® Product	High-Performance Triple-Pane Glass Type	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	VT <sup>3</sup>	
<b>A-Series Casement</b> AND-N-86	Low-E4*	Without Grilles	0.25	0.24	0.41
		Simulated Divided Light Grilles	0.25	0.22	0.37
		Finelight™ Grilles	0.25	0.22	0.37
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced	Without Grilles	0.21	0.24	0.40
		Simulated Divided Light Grilles	0.21	0.22	0.36
		Finelight Grilles	0.22	0.22	0.36
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced w/HeatLock®	Without Grilles	0.20	0.23	0.39
		Simulated Divided Light Grilles	0.20	0.21	0.35
		Finelight Grilles	0.20	0.21	0.35
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™	Without Grilles	0.24	0.16	0.37
		Simulated Divided Light Grilles	0.24	0.15	0.33
		Finelight Grilles	0.25	0.15	0.33
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced	Without Grilles	0.21	0.16	0.36
		Simulated Divided Light Grilles	0.21	0.15	0.32
		Finelight Grilles	0.21	0.15	0.32
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced w/HeatLock®	Without Grilles	0.20	0.15	0.35
		Simulated Divided Light Grilles	0.20	0.14	0.31
		Finelight Grilles	0.20	0.14	0.31
		Full Divided Light Grilles	-	-	-
<b>A-Series Awning</b> AND-N-87	Low-E4*	Without Grilles	0.25	0.24	0.40
		Simulated Divided Light Grilles	0.25	0.22	0.36
		Finelight™ Grilles	0.25	0.22	0.36
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced	Without Grilles	0.22	0.23	0.38
		Simulated Divided Light Grilles	0.22	0.21	0.35
		Finelight Grilles	0.22	0.21	0.35
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced w/HeatLock®	Without Grilles	0.20	0.22	0.38
		Simulated Divided Light Grilles	0.20	0.20	0.34
		Finelight Grilles	0.20	0.20	0.34
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™	Without Grilles	0.24	0.16	0.36
		Simulated Divided Light Grilles	0.24	0.15	0.32
		Finelight Grilles	0.25	0.15	0.32
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced	Without Grilles	0.21	0.16	0.35
		Simulated Divided Light Grilles	0.21	0.14	0.31
		Finelight Grilles	0.22	0.14	0.31
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced w/HeatLock®	Without Grilles	0.20	0.15	0.34
		Simulated Divided Light Grilles	0.20	0.14	0.30
		Finelight Grilles	0.20	0.14	0.30
		Full Divided Light Grilles	-	-	-
<b>A-Series Double-Hung</b> AND-N-91	Low-E4*	Without Grilles	0.26	0.28	0.47
		Simulated Divided Light Grilles	0.26	0.25	0.42
		Finelight™ Grilles	0.26	0.25	0.42
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced	Without Grilles	0.22	0.27	0.46
		Simulated Divided Light Grilles	0.22	0.25	0.40
		Finelight Grilles	0.22	0.25	0.40
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced w/HeatLock®	Without Grilles	0.20	0.26	0.44
		Simulated Divided Light Grilles	0.20	0.24	0.39
		Finelight Grilles	0.21	0.24	0.39
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™	Without Grilles	0.26	0.19	0.43
		Simulated Divided Light Grilles	0.26	0.17	0.38
		Finelight Grilles	0.26	0.17	0.38
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced	Without Grilles	0.22	0.18	0.41
		Simulated Divided Light Grilles	0.22	0.17	0.36
		Finelight Grilles	0.22	0.17	0.36
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced w/HeatLock®	Without Grilles	0.20	0.18	0.40
		Simulated Divided Light Grilles	0.20	0.16	0.35
		Finelight Grilles	0.20	0.16	0.35
		Full Divided Light Grilles	-	-	-

Andersen® Product	High-Performance Triple-Pane Glass Type	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	VT <sup>3</sup>	
<b>A-Series Picture</b> AND-N-88	Low-E4*	Without Grilles	0.24	0.28	0.47
		Simulated Divided Light Grilles	0.24	0.25	0.42
		Finelight™ Grilles	0.24	0.25	0.42
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced	Without Grilles	0.20	0.27	0.45
		Simulated Divided Light Grilles	0.20	0.24	0.40
		Finelight Grilles	0.20	0.24	0.40
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced w/HeatLock®	Without Grilles	0.18	0.26	0.44
		Simulated Divided Light Grilles	0.18	0.23	0.39
		Finelight Grilles	0.18	0.23	0.39
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™	Without Grilles	0.23	0.19	0.42
		Simulated Divided Light Grilles	0.23	0.18	0.38
		Finelight Grilles	0.24	0.18	0.38
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced	Without Grilles	0.20	0.19	0.41
		Simulated Divided Light Grilles	0.20	0.17	0.36
		Finelight Grilles	0.20	0.17	0.36
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced w/HeatLock®	Without Grilles	0.18	0.18	0.40
		Simulated Divided Light Grilles	0.18	0.16	0.35
		Finelight Grilles	0.18	0.16	0.35
		Full Divided Light Grilles	-	-	-
<b>A-Series Venting Transom</b> AND-N-90	Low-E4*	Without Grilles	0.25	0.25	0.42
		Simulated Divided Light Grilles	0.25	0.23	0.38
		Finelight™ Grilles	0.25	0.23	0.38
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced	Without Grilles	0.21	0.24	0.40
		Simulated Divided Light Grilles	0.21	0.22	0.36
		Finelight Grilles	0.21	0.22	0.36
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced w/HeatLock®	Without Grilles	0.20	0.23	0.39
		Simulated Divided Light Grilles	0.20	0.21	0.36
		Finelight Grilles	0.20	0.21	0.36
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™	Without Grilles	0.24	0.17	0.38
		Simulated Divided Light Grilles	0.24	0.16	0.34
		Finelight Grilles	0.25	0.16	0.34
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced	Without Grilles	0.21	0.16	0.36
		Simulated Divided Light Grilles	0.21	0.15	0.33
		Finelight Grilles	0.21	0.15	0.33
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced w/HeatLock®	Without Grilles	0.20	0.16	0.35
		Simulated Divided Light Grilles	0.20	0.15	0.32
		Finelight Grilles	0.20	0.15	0.32
		Full Divided Light Grilles	-	-	-
<b>A-Series Fixed Transom</b> AND-N-89	Low-E4*	Without Grilles	0.24	0.29	0.50
		Simulated Divided Light Grilles	0.24	0.26	0.44
		Finelight™ Grilles	0.24	0.26	0.44
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced	Without Grilles	0.20	0.28	0.48
		Simulated Divided Light Grilles	0.20	0.26	0.42
		Finelight Grilles	0.20	0.26	0.42
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced w/HeatLock®	Without Grilles	0.18	0.27	0.47
		Simulated Divided Light Grilles	0.18	0.24	0.41
		Finelight Grilles	0.18	0.24	0.41
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™	Without Grilles	0.23	0.20	0.45
		Simulated Divided Light Grilles	0.23	0.18	0.40
		Finelight Grilles	0.24	0.18	0.40
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced	Without Grilles	0.20	0.19	0.43
		Simulated Divided Light Grilles	0.20	0.17	0.38
		Finelight Grilles	0.20	0.17	0.38
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced w/HeatLock®	Without Grilles	0.18	0.19	0.42
		Simulated Divided Light Grilles	0.18	0.17	0.37
		Finelight Grilles	0.18	0.17	0.37
		Full Divided Light Grilles	-	-	-

\* "Low-E4\*", "Low-E4\* SmartSun™", "Low-E4\* Sun" and HeatLock® are Andersen trademarks for "Low-E" glass.

1) U-Factor defines the amount of heat loss through the total unit in BTU/hr/ft<sup>2</sup>. °F. The lower the value, the less heat is lost through the entire product. Window values represent non-tempered glass. Use of tempered glass can increase U-Factor ratings. See [andersenwindows.com/nfrc](http://andersenwindows.com/nfrc) for specific performance values. Door values represent tempered glass. 2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product. 3) Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.

• NFRC ratings are based on modeling by a third-party agency as validated by an independent test lab in compliance with NFRC program and procedural requirements.

• This data is accurate as of January 2018. Due to ongoing product changes, updated test results or new industry standards or requirements, this data may change over time. Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on unit size, use of tempered glass, different grille options, glass for high altitudes, etc.

• Values are for single units with given pane thickness and 3/4" (19mm) grilles for windows and 1" (25mm) grilles for door products.

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**Andersen® NFRC Certified Total Unit Performance – Triple-Pane Glass (continued)**  
For current performance information, please visit [andersenwindows.com](http://andersenwindows.com).

Andersen® Product	High-Performance Triple-Pane Glass Type	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	VT <sup>3</sup>	
<b>A-Series Specialty</b> Direct-Set AND-N-126	Low-E4*	Without Grilles	0.22	0.33	0.56
		Simulated Divided Light Grilles	0.22	0.30	0.50
		Finelight™ Grilles	0.23	0.30	0.50
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced	Without Grilles	0.17	0.32	0.54
		Simulated Divided Light Grilles	0.17	0.29	0.48
		Finelight Grilles	0.18	0.29	0.48
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced w/HeatLock®	Without Grilles	0.16	0.31	0.53
		Simulated Divided Light Grilles	0.16	0.28	0.47
		Finelight Grilles	0.16	0.28	0.47
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™	Without Grilles	0.22	0.22	0.50
		Simulated Divided Light Grilles	0.22	0.20	0.45
		Finelight Grilles	0.23	0.20	0.45
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced	Without Grilles	0.17	0.21	0.49
		Simulated Divided Light Grilles	0.17	0.19	0.44
		Finelight Grilles	0.17	0.19	0.44
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced w/HeatLock®	Without Grilles	0.16	0.20	0.47
		Simulated Divided Light Grilles	0.16	0.19	0.42
		Finelight Grilles	0.16	0.19	0.42
		Full Divided Light Grilles	-	-	-
<b>A-Series Specialty</b> Sash-Set AND-N-128	Low-E4*	Without Grilles	0.23	0.30	0.50
		Simulated Divided Light Grilles	0.23	0.27	0.45
		Finelight™ Grilles	0.24	0.27	0.45
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced	Without Grilles	0.18	0.29	0.48
		Simulated Divided Light Grilles	0.18	0.26	0.43
		Finelight Grilles	0.19	0.26	0.43
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced w/HeatLock®	Without Grilles	0.17	0.28	0.47
		Simulated Divided Light Grilles	0.17	0.25	0.42
		Finelight Grilles	0.17	0.25	0.42
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™	Without Grilles	0.23	0.20	0.45
		Simulated Divided Light Grilles	0.23	0.18	0.40
		Finelight Grilles	0.23	0.18	0.40
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced	Without Grilles	0.18	0.19	0.43
		Simulated Divided Light Grilles	0.18	0.17	0.39
		Finelight Grilles	0.19	0.17	0.39
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced w/HeatLock®	Without Grilles	0.17	0.18	0.42
		Simulated Divided Light Grilles	0.17	0.17	0.38
		Finelight Grilles	0.17	0.17	0.38
		Full Divided Light Grilles	-	-	-
<b>A-Series Specialty</b> Sash-Set AND-N-128	Low-E4*	Without Grilles	0.29	0.24	0.41
		Simulated Divided Light Grilles	0.29	0.21	0.35
		Finelight™ Grilles	0.30	0.21	0.35
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced	Without Grilles	0.26	0.24	0.39
		Simulated Divided Light Grilles	0.26	0.21	0.34
		Finelight Grilles	0.26	0.21	0.34
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced w/HeatLock®	Without Grilles	0.24	0.23	0.38
		Simulated Divided Light Grilles	0.24	0.20	0.33
		Finelight Grilles	0.24	0.20	0.33
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™	Without Grilles	0.29	0.17	0.36
		Simulated Divided Light Grilles	0.29	0.15	0.31
		Finelight Grilles	0.30	0.15	0.31
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced	Without Grilles	0.26	0.16	0.35
		Simulated Divided Light Grilles	0.26	0.14	0.30
		Finelight Grilles	0.26	0.14	0.43
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced w/HeatLock®	Without Grilles	0.24	0.16	0.34
		Simulated Divided Light Grilles	0.24	0.14	0.30
		Finelight Grilles	0.24	0.14	0.30
		Full Divided Light Grilles	-	-	-
<b>A-Series Frenchwood®</b> Hinged Inswing Patio Door AND-N-92	Low-E4*	Without Grilles	0.28	0.22	0.37
		Simulated Divided Light Grilles	0.28	0.20	0.32
		Finelight™ Grilles	0.28	0.20	0.32
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced	Without Grilles	0.25	0.22	0.36
		Simulated Divided Light Grilles	0.25	0.19	0.31
		Finelight Grilles	0.25	0.19	0.31
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced w/HeatLock®	Without Grilles	0.24	0.21	0.35
		Simulated Divided Light Grilles	0.24	0.18	0.30
		Finelight Grilles	0.25	0.18	0.30
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™	Without Grilles	0.28	0.15	0.34
		Simulated Divided Light Grilles	0.28	0.13	0.29
		Finelight Grilles	0.28	0.13	0.29
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced	Without Grilles	0.25	0.15	0.32
		Simulated Divided Light Grilles	0.25	0.13	0.28
		Finelight Grilles	0.25	0.13	0.28
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced w/HeatLock®	Without Grilles	0.23	0.14	0.32
		Simulated Divided Light Grilles	0.23	0.12	0.27
		Finelight Grilles	0.24	0.12	0.27
		Full Divided Light Grilles	-	-	-
<b>A-Series Frenchwood®</b> Hinged Outswing Patio Door AND-N-93	Low-E4*	Without Grilles	0.28	0.23	0.37
		Simulated Divided Light Grilles	0.28	0.20	0.32
		Finelight™ Grilles	0.28	0.20	0.32
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced	Without Grilles	0.25	0.22	0.36
		Simulated Divided Light Grilles	0.25	0.19	0.31
		Finelight Grilles	0.25	0.19	0.31
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced w/HeatLock®	Without Grilles	0.23	0.21	0.35
		Simulated Divided Light Grilles	0.23	0.19	0.30
		Finelight Grilles	0.24	0.19	0.30
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™	Without Grilles	0.27	0.15	0.34
		Simulated Divided Light Grilles	0.27	0.14	0.29
		Finelight Grilles	0.28	0.14	0.29
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced	Without Grilles	0.25	0.15	0.32
		Simulated Divided Light Grilles	0.25	0.13	0.28
		Finelight Grilles	0.25	0.13	0.28
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced w/HeatLock®	Without Grilles	0.23	0.15	0.32
		Simulated Divided Light Grilles	0.23	0.13	0.27
		Finelight Grilles	0.24	0.13	0.27
		Full Divided Light Grilles	-	-	-
<b>A-Series Frenchwood®</b> Patio Door Sidelight Transom Direct-Set AND-N-96	Low-E4*	Without Grilles	0.25	0.31	0.53
		Simulated Divided Light Grilles	0.25	0.29	0.48
		Finelight™ Grilles	0.25	0.29	0.48
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced	Without Grilles	0.21	0.30	0.51
		Simulated Divided Light Grilles	0.21	0.28	0.46
		Finelight Grilles	0.21	0.28	0.46
		Full Divided Light Grilles	-	-	-
	Low-E4* Enhanced w/HeatLock®	Without Grilles	0.19	0.29	0.50
		Simulated Divided Light Grilles	0.19	0.27	0.45
		Finelight Grilles	0.19	0.27	0.45
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™	Without Grilles	0.24	0.21	0.48
		Simulated Divided Light Grilles	0.24	0.19	0.43
		Finelight Grilles	0.25	0.19	0.43
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced	Without Grilles	0.20	0.20	0.46
		Simulated Divided Light Grilles	0.20	0.19	0.42
		Finelight Grilles	0.20	0.19	0.42
		Full Divided Light Grilles	-	-	-
	Low-E4* SmartSun™ Enhanced w/HeatLock®	Without Grilles	0.19	0.20	0.45
		Simulated Divided Light Grilles	0.19	0.18	0.41
		Finelight Grilles	0.19	0.18	0.41
		Full Divided Light Grilles	-	-	-

• "Low-E4\*", "Low-E4\* SmartSun™", "Low-E4\* Sun" and HeatLock® are Andersen trademarks for "Low-E" glass.  
 1) U-Factor defines the amount of heat loss through the total unit in BTU/hr/ft<sup>2</sup>·°F. The lower the value, the less heat is lost through the entire product. Window values represent non-tempered glass. Use of tempered glass can increase U-Factor ratings. See [andersenwindows.com/nfrc](http://andersenwindows.com/nfrc) for specific performance values. Door values represent tempered glass. 2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product. 3) Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.  
 • NFRC ratings are based on modeling by a third-party agency as validated by an independent test lab in compliance with NFRC program and procedural requirements.  
 • This data is accurate as of January 2018. Due to ongoing product changes, updated test results or new industry standards or requirements, this data may change over time. Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on unit size, use of tempered glass, different grille options, glass for high altitudes, etc.  
 • Values are for single units with given pane thickness and 3/4" (19mm) grilles for windows and 1" (25mm) grilles for door products.

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# PRODUCT PERFORMANCE

**Andersen® NFRC Certified Total Unit Performance – Triple-Pane Glass** (continued)  
For current performance information, please visit [andersenwindows.com](http://andersenwindows.com).

Andersen® Product	High-Performance Triple-Pane Glass Type	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	VT <sup>3</sup>	
<b>A-Series Frenchwood® Patio Door Sidelight Transom</b> Sash-Set AND-N-95	Low-E4®	Without Grilles	0.27	0.24	0.40
		Simulated Divided Light Grilles	0.27	0.22	0.35
		Finelight™ Grilles	0.27	0.22	0.35
		Full Divided Light Grilles	-	-	-
	Low-E4® Enhanced	Without Grilles	0.24	0.23	0.38
		Simulated Divided Light Grilles	0.24	0.21	0.34
		Finelight Grilles	0.24	0.21	0.34
		Full Divided Light Grilles	-	-	-
	Low-E4® Enhanced w/HeatLock®	Without Grilles	0.22	0.22	0.37
		Simulated Divided Light Grilles	0.22	0.20	0.33
		Finelight Grilles	0.22	0.20	0.33
		Full Divided Light Grilles	-	-	-
	Low-E4® SmartSun™	Without Grilles	0.26	0.16	0.36
		Simulated Divided Light Grilles	0.26	0.15	0.32
		Finelight Grilles	0.27	0.15	0.32
		Full Divided Light Grilles	-	-	-
	Low-E4® SmartSun™ Enhanced	Without Grilles	0.23	0.16	0.34
		Simulated Divided Light Grilles	0.23	0.14	0.31
		Finelight Grilles	0.24	0.14	0.31
		Full Divided Light Grilles	-	-	-
Low-E4® SmartSun™ Enhanced w/HeatLock®	Without Grilles	0.22	0.15	0.33	
	Simulated Divided Light Grilles	0.22	0.14	0.30	
	Finelight Grilles	0.22	0.14	0.30	
	Full Divided Light Grilles	-	-	-	
<b>A-Series Frenchwood® Patio Door Transom</b> Direct-Set AND-N-96	Low-E4®	Without Grilles	0.27	0.31	0.52
		Simulated Divided Light Grilles	0.27	0.28	0.47
		Finelight™ Grilles	0.27	0.28	0.47
		Full Divided Light Grilles	-	-	-
	Low-E4® Enhanced	Without Grilles	0.23	0.30	0.50
		Simulated Divided Light Grilles	0.23	0.27	0.45
		Finelight Grilles	0.23	0.27	0.45
		Full Divided Light Grilles	-	-	-
	Low-E4® Enhanced w/HeatLock®	Without Grilles	0.21	0.28	0.48
		Simulated Divided Light Grilles	0.21	0.26	0.44
		Finelight Grilles	0.21	0.26	0.44
		Full Divided Light Grilles	-	-	-
	Low-E4® SmartSun™	Without Grilles	0.27	0.21	0.46
		Simulated Divided Light Grilles	0.27	0.19	0.42
		Finelight Grilles	0.27	0.19	0.42
		Full Divided Light Grilles	-	-	-
	Low-E4® SmartSun™ Enhanced	Without Grilles	0.23	0.20	0.45
		Simulated Divided Light Grilles	0.23	0.19	0.40
		Finelight Grilles	0.23	0.19	0.40
		Full Divided Light Grilles	-	-	-
Low-E4® SmartSun™ Enhanced w/HeatLock®	Without Grilles	0.21	0.19	0.44	
	Simulated Divided Light Grilles	0.21	0.18	0.39	
	Finelight Grilles	0.21	0.18	0.39	
	Full Divided Light Grilles	-	-	-	
<b>A-Series Frenchwood® Patio Door Transom</b> Sash-Set AND-N-95	Low-E4®	Without Grilles	0.29	0.23	0.37
		Simulated Divided Light Grilles	0.29	0.20	0.33
		Finelight™ Grilles	0.29	0.20	0.33
		Full Divided Light Grilles	-	-	-
	Low-E4® Enhanced	Without Grilles	0.26	0.22	0.36
		Simulated Divided Light Grilles	0.26	0.20	0.32
		Finelight Grilles	0.26	0.20	0.32
		Full Divided Light Grilles	-	-	-
	Low-E4® Enhanced w/HeatLock®	Without Grilles	0.24	0.21	0.35
		Simulated Divided Light Grilles	0.24	0.19	0.31
		Finelight Grilles	0.24	0.19	0.31
		Full Divided Light Grilles	-	-	-
	Low-E4® SmartSun™	Without Grilles	0.28	0.16	0.33
		Simulated Divided Light Grilles	0.28	0.14	0.30
		Finelight Grilles	0.29	0.14	0.30
		Full Divided Light Grilles	-	-	-
	Low-E4® SmartSun™ Enhanced	Without Grilles	0.26	0.15	0.32
		Simulated Divided Light Grilles	0.26	0.14	0.29
		Finelight Grilles	0.26	0.14	0.29
		Full Divided Light Grilles	-	-	-
Low-E4® SmartSun™ Enhanced w/HeatLock®	Without Grilles	0.24	0.14	0.31	
	Simulated Divided Light Grilles	0.24	0.13	0.28	
	Finelight Grilles	0.24	0.13	0.28	
	Full Divided Light Grilles	-	-	-	

- "Low-E4™", "Low-E4 SmartSun™", "Low-E4 Sun™" and HeatLock® are Andersen trademarks for "Low-E" glass.
- 1) U-Factor defines the amount of heat loss through the total unit in BTU/hr/ft<sup>2</sup>, °F. The lower the value, the less heat is lost through the entire product. Window values represent non-tempered glass. Use of tempered glass can increase U-Factor ratings. See [andersenwindows.com/nfrc](http://andersenwindows.com/nfrc) for specific performance values. Door values represent tempered glass. 2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product. 3) Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.
- NFRC ratings are based on modeling by a third-party agency as validated by an independent test lab in compliance with NFRC program and procedural requirements.
- This data is accurate as of January 2018. Due to ongoing product changes, updated test results or new industry standards or requirements, this data may change over time. Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on unit size, use of tempered glass, different grille options, glass for high altitudes, etc.
- Values are for single units with given pane thickness and 3/4" (19mm) grilles for windows and 1" (25mm) grilles for door products.

Andersen® Product	High-Performance Triple-Pane Glass Type	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	VT <sup>3</sup>	
<b>A-Series Frenchwood® Patio Door Sidelight</b> AND-N-94	Low-E4®	Without Grilles	0.28	0.21	0.35
		Simulated Divided Light Grilles	0.28	0.19	0.31
		Finelight™ Grilles	0.28	0.19	0.31
		Full Divided Light Grilles	-	-	-
	Low-E4® Enhanced	Without Grilles	0.25	0.21	0.34
		Simulated Divided Light Grilles	0.25	0.19	0.30
		Finelight Grilles	0.25	0.19	0.30
		Full Divided Light Grilles	-	-	-
	Low-E4® Enhanced w/HeatLock®	Without Grilles	0.23	0.20	0.33
		Simulated Divided Light Grilles	0.23	0.18	0.29
		Finelight Grilles	0.24	0.18	0.29
		Full Divided Light Grilles	-	-	-
	Low-E4® SmartSun™	Without Grilles	0.27	0.15	0.31
		Simulated Divided Light Grilles	0.27	0.13	0.28
		Finelight Grilles	0.28	0.13	0.28
		Full Divided Light Grilles	-	-	-
	Low-E4® SmartSun™ Enhanced	Without Grilles	0.25	0.14	0.30
		Simulated Divided Light Grilles	0.25	0.13	0.27
		Finelight Grilles	0.25	0.13	0.27
		Full Divided Light Grilles	-	-	-
Low-E4® SmartSun™ Enhanced w/HeatLock®	Without Grilles	0.23	0.14	0.30	
	Simulated Divided Light Grilles	0.23	0.12	0.26	
	Finelight Grilles	0.24	0.12	0.26	
	Full Divided Light Grilles	-	-	-	

**Andersen® Products Total Unit Recycled Content Percentages**  
For current information, please visit [andersenwindows.com](http://andersenwindows.com).

Andersen® Product	NFRC Rated Window Size	% Pre-Consumer Recycled Content
<b>A-Series Windows and Patio Doors</b>		
<b>Casement Window</b>	24" (610) x 48" (1219)	10%
<b>Complementary Casement Window</b>	24" (610) x 48" (1219)	5%
<b>Awning Window</b>	48" (1219) x 24" (610)	10%
<b>Double-Hung Window</b>	47" (1194) x 59" (1499)	10%
<b>Picture Window</b>	47" (1194) x 59" (1499)	6%
<b>Fixed Transom Window</b>	47" (1194) x 59" (1499)	5%
<b>Venting Transom Window</b>	47" (1194) x 59" (1499)	10%
<b>Specialty Window</b>	47" (1194) x 59" (1499)	5%
<b>Frenchwood® Gliding Patio Door</b>	79" (2007) x 79" (2007)	4%
<b>Frenchwood® Hinged Inswing Patio Door</b>	38" (965) x 82" (2083)	3%
<b>Frenchwood® Hinged Outswing Patio Door</b>	38" (965) x 82" (2083)	3%
<b>Frenchwood® Patio Door Sidelight</b>	24" (610) x 79" (2007)	3%
<b>Frenchwood® Patio Door Transom</b>	79" (2007) x 24" (610)	3%
<b>Complementary Springline™ Patio Door</b>	38" (965) x 82" (2083)	3%
<b>Complementary Arch Patio Door</b>	38" (965) x 82" (2083)	3%
<b>Entranceways</b>		
<b>Residential Rectangular Entry Door</b>	38" (965) x 82" (2083)	3%
<b>Residential Springline™ Entry Door</b>	38" (965) x 82" (2083)	3%
<b>Residential Arch Entry Door</b>	38" (965) x 82" (2083)	3%
<b>Commercial Rectangular Outswing Entry Door</b>	38" (965) x 82" (2083)	4%

- "% Pre-Consumer Recycled Content" is verified by SCS Global Services (SCS) to meet ISO 14021 standards based on NFRC sizing. Actual recycled content dependent on product size.
- Dimensions in parentheses are in millimeters.

**About the NFRC**

The National Fenestration Rating Council (NFRC) is a nonpartisan coalition of professionals whose purpose is to provide fair, accurate and credible energy performance ratings for fenestration products. NFRC's membership includes manufacturers, suppliers, designers, specifiers, utility companies, government agencies and other building industry representatives.

Andersen Corporation is a founding member of the NFRC and continues to support its work by providing fair, accurate and credible energy performance ratings to consumers and the building industry. If you have any questions about the NFRC, its program or energy performance ratings, write them at: NFRC, 6305 Ivy Lane, Suite 140, Greenbelt, MD 20770, Tel: (301) 589-1776 Website: [www.nfrc.org](http://www.nfrc.org)

**About the Label**

Look for this certification label on every window and patio door you buy. The NFRC section was designed by the National Fenestration Rating Council to provide accurate information that helps you promote the energy efficiency of the homes you build. These ratings allow you – and your customers – to measure and compare the energy performance of similar products. If the product does not have this label, the NFRC has not verified its claims.

Do not remove until final code inspection. Save label for future reference.

**ENERGY STAR® Certified in Highlighted Regions**  
Certifié ENERGY STAR dans les régions en surbrillance

**Canada**  
energystar.gc.ca

**U.S. / É.U.**  
energystar.gov

ER/RE 20

DO NOT REMOVE UNTIL FINAL INSPECTION/NE PAS RETIRER AVANT L'INSPECTION FINALE

**Andersen** AW  
A-Series Casement Window  
AND-N-86-02568-00001  
Composite/Wood Combination  
Dual-Pane Low-E SmartSun HeatLock Glazing with Argon  
Product Type: Casement

**ENERGY PERFORMANCE RATINGS**

U-Factor <b>0.24</b> (U.S./HP)	Solar Heat Gain Coefficient <b>0.17</b>
Visible Transmittance <b>0.40</b>	

**ADDITIONAL PERFORMANCE RATINGS**

Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information. [www.nfrc.org](http://www.nfrc.org)

**WDMA**  
Hallmark Certified  
www.wdma.com  
Licensee: 129-H-816  
Andersen Corporation  
A-Series Casement Window  
Manufacturer stipulates Hallmark Certification as indicated below.

STANDARD	RATING
AAMA/WDMA/CSA 101/1.S.2/A440-11	Class LC-PG50 Size Tested 35.3" X 71.3" DP=50/-50
AAMA/WDMA/CSA 101/1.S.2/A440-08	Class H-LC50 Size Tested 35.3" X 71.3" DP=50/-50
AAMA/WDMA/CSA 101/1.S.2/A440-08 A440S1-09	Class LC-PG50 - 895mm x 1353mm Positive/Negative Design Pressure (DP) = 2400 Pa/-2400 Pa Water Penetration Resistance Test Pressure = 510 Pa Canadian Air Infiltration/Exfiltration = A1
FL 13081	
Glazing: 3.0mm AN outer/3.0mm AN inner	
	Complies with HUD UM Bulletin No. 111

Meets or exceeds CEC & IECC Air Infiltration Requirements of 0.2 CFM/sq.ft. or lower.  
WDMA Hallmark Certification Program

**Energy Rating (ER)** represents "Energy Rating" and is a rating used in Canada for product comparison purposes (the higher the ER number, the more energy saved during the heating season).

**ENERGY STAR® Climate Zone Map** is based on U-factor and solar heat gain coefficient criteria for specific ENERGY STAR climate zones within the United States and Canada. The shading of the map shows which climate zone(s) a particular product and glass type is ENERGY STAR certified in.

**Solar Heat Gain Coefficient** measures how well a product blocks heat caused by sunlight (the lower the number, the more it will help reduce the use of air conditioning and as a result reduce electrical bills and energy use).

**Performance Grade (PG) and Design Pressure (DP) Ratings**

**Glass Construction** used with this product type

**U-Factor** indicates how well a product prevents heat from escaping (the lower the number, the better).

**Visible Transmittance** refers to how much visible light comes through a product (the closer to 1.0, the more light is transmitted).

**WDMA Hallmark Certification** verifies the performance ratings of this product were tested by a third-party testing laboratory.

**Test Standards**

• NFRC ratings are based on modeling by a third-party agency as validated by an independent test lab in compliance with NFRC program and procedural requirements.



# IMPROVING THE VIEW OUTSIDE THE ENVIRONMENT HAS A BUSINESS PARTNER

Respect for the environment is nothing new at Andersen. For more than a century, it's been part of who we are. Our commitment to recycle and reclaim materials began simply because it was good business. Now it's part of our commitment to sustainability and responsible stewardship of all our resources. Andersen is committed to providing you with long-lasting,\* energy-efficient windows and doors.

Visit [andersencorporation.com/sustainability](http://andersencorporation.com/sustainability) for more information.



Andersen products are certified under the National Fenestration Rating Council's voluntary third-party certification program designed to ensure accurate energy performance ratings and labeling.



The mark of responsible forestry

Andersen was one of the first U.S. window manufacturers to receive Forest Stewardship Council® (FSC®) Chain-of-Custody certification (FSC-CO16636). This certification is awarded to companies that meet FSC standards for traceability in their wood supply chain.



The Window & Door Manufacturers Association (WDMA) Hallmark Certification program includes product testing and quality-control process audits to verify that Andersen windows and doors are produced in conformance with the industry standards for air, water resistance and structural performance.



Andersen Corporation is proud to be an ENERGY STAR® partner. For over 100 years, Andersen has built a reputation for environmental stewardship and energy-efficient products. In fact, Andersen has been part of the ENERGY STAR program since it started and was the first window manufacturer to be named an ENERGY STAR National Window Partner of the Year in 1999.

\* Visit [andersenwindows.com/warranty](http://andersenwindows.com/warranty) for details.  
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# Andersen® windows and doors can make significant contributions to the success of sustainable design strategies.

As a charter member of the U.S. Green Building Council, we are active supporters of certified green buildings. Our products can help customers in pursuing green building programs, such as Leadership in Energy and Environmental Design (LEED®), the National Green Building Standard, Green Globes, GreenStar and more.

Below is an overview of how our products may assist project teams with pursuing LEED v4 or the NAHB National Green Building Standard rating systems. More detailed credit summaries, as well as information about how Andersen products can support earlier versions of LEED certification (e.g., **LEED v3** or **LEED 2008**), are available at [andersenwindows.com](http://andersenwindows.com).

## LEED v4 FOR BUILDING DESIGN AND CONSTRUCTION: NEW CONSTRUCTION AND MAJOR RENOVATIONS

### Integrative Process Credit:

#### Energy & Atmosphere

- Minimum energy performance prerequisite
- Optimize energy performance credit
- Renewable energy production credit
- Green power and carbon offsets credit

#### Materials & Resources

- Construction and demolition waste management planning credit
- Building product disclosure and optimization sourcing of raw materials credit
- Construction and demolition waste management credit

#### Indoor Environmental Quality

- Minimum indoor air quality performance prerequisite
- Minimum acoustic performance prerequisite – schools
- Enhanced indoor air quality strategies credit
- Low-emitting materials credit
- Thermal comfort credit
- Daylight credit
- Quality views credit
- Acoustic performance credit (option 2)

## LEED v4 FOR BUILDING DESIGN AND CONSTRUCTION: HOMES AND MULTI-FAMILY MIDRISES

### Energy & Atmosphere

- Minimum energy performance prerequisite
- Education of the homeowner, tenant or building prerequisite
- Annual energy use credit
- Building orientation for passive solar credit
- Air Infiltration credit
- Windows credit

#### Materials & Resources

- Durability management prerequisite
- Environmentally preferable products credit
- Construction waste management credit

#### Indoor Environmental Quality

- Ventilation prerequisite
- Low-emitting products credit

## ANSI ICC/ASHRAE 700-2015 NATIONAL GREEN BUILDING STANDARD

NGBS section numbers are referenced in parentheses.

### Resource Efficiency

- Prefinished materials (601.7)
- Flashing (602.12)
- Exterior doors, including storm doors (602.1.10)
- Recycled construction materials (605.3)
- Bio-based products (606.1)
- Wood-based products (606.2)
- Manufacturer's environmental management system concepts (611.1)

### Energy Efficiency

- Mandatory requirements (701.1)
- Building thermal envelope air sealing (701.4.3.1)
- Multi-family air leakage alternative (701.4.3.3)
- Fenestration air leakage (701.4.3.4)
- ICC IECC analysis (702.2.1)
- Energy performance analysis (702.2.2)
- UA improvement (703.2.1)
- Fenestration (703.2.5)
- Sun-tempered design (703.7.1)
- Passive cooling design (703.7.3)
- Passive solar heating design (703.7.4)

### Indoor Environmental Quality

- Wood materials (901.4)
- Interior architectural coatings (901.9)
- Interior adhesives & sealants (901.10)
- Operable windows & sliding glass doors (902.1.5)

### Energy Efficient

- Homeowner's manual (1001.1)
- Building construction manual (1002.1)

# INSTALLATION ACCESSORIES

Listed are optional accessories available for the installation of Andersen® windows and doors. You'll also find key considerations regarding the use and installation of every Andersen product. Keep the instruction guidelines and safety information in mind when considering the installation and use of any Andersen product. Should you have any questions, contact your local Andersen supplier. Thank you for considering and using Andersen products.

## COIL STOCK

Andersen aluminum coil stock can be ordered to match any of our 11 trim colors. Made from .018-thick aluminum, coil stock is available in 24" (610) x 50' (15240) rolls. Color-matched 1 1/4" (32) stainless steel trim nails are also available and can be ordered in 1 lb or .454 kg boxes.



## FIBREX® TRIM BOARD



Andersen offers a 3 1/2" (89) wide by 3/4" (19) thick cellular Fibrex trim board in 10' (3048) lengths. Available in the same 11 colors as the exterior trim system, this solid trim board can be cut or ripped to size and can be fastened using nails or screws.

## CONTINUOUS DRIP CAP



Included on A-Series with vertical (ribbon) joints. Heavy 24-gauge corrosion-resistant aluminum construction. Available in 6' (1829), 10' (3048) and 12'-7 1/2" (3848) lengths and in any of the 11 trim colors.

## EXTENSION JAMBS



Available for most Andersen products. See individual sections for details.

## COLOR-MATCHED SEALANT

Color-matched sealant is available in Andersen exterior colors. This high-quality sealant can be used during the installation of all Andersen products.

## VINYL CHANNELS AND LAMINATED BOARD



Rigid vinyl "J", "h" and "H" channel and vinyl laminated board.

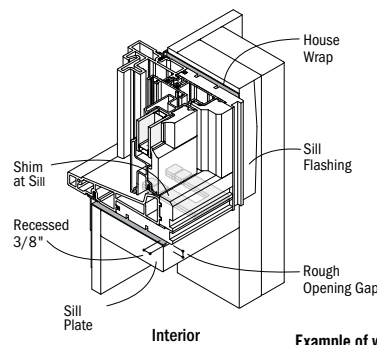
	COLOR	LENGTH	DEPTH	WIDTH
<b>Fibrex® Trim Board</b>	11 colors	120" (3048)	3/4" (19)	3 1/2" (89)
<b>Vinyl Laminated Board</b>	W,S,T	96" (2438)	1/2" (13)	24" (610)
	W	96" (2438) & 120" (3048)	1/2" (13)	48" (1219)
<b>Rigid Vinyl "H" Channel</b>	W	84" (2134) & 150" (3810)	3/4" (19)	1" (25)
	S,T	84" (2134) & 150" (3810)	3/4" (19)	3/4" (19)
<b>Rigid Vinyl "h" Channel</b>	W,S,T	150" (3810)	1/2" (13)	1" (25)
<b>Rigid Vinyl "J" Channel</b>	W,S,T	150" (3810)	1/2" (13)	3/4" (19)

# INSTALLATION INFORMATION

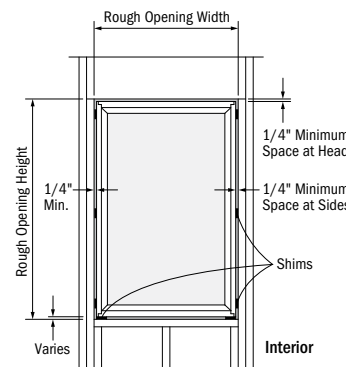
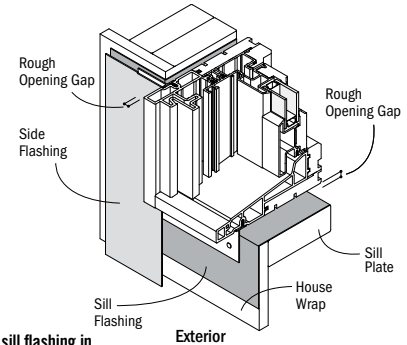
## ROUGH OPENINGS

The purpose of a rough opening is to allow for proper spacing between the window or patio door unit and the building structure. The space is required for locating, leveling and squaring the unit during installation and to provide an area for insulation. A rough opening that is incorrectly sized may affect unit operation and may not allow for adequate fastening of the unit to the building structure. Andersen rough opening dimensions are provided as a guideline to help determine the minimum amount of space needed between the window or patio door and the building structure. See appropriate product sections for rough opening guidelines for each product.

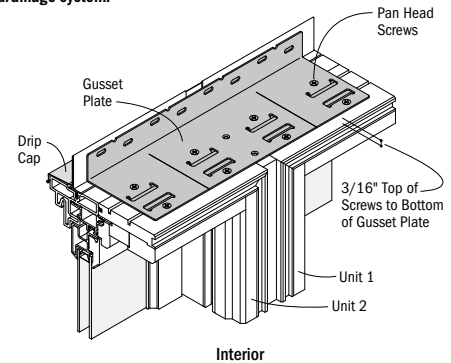
Keep in mind that rough opening dimensions may need to be altered from published guidelines, depending on installation methods, joining methods, replacement methods, etc. For example, flashing systems can reduce the amount of available rough opening space and should be factored in when calculating rough opening dimensions. The use of support or joining materials will encroach on the rough opening and may require additional rough opening space between the unit and the building structure, depending on the thickness of the flashing system and joining materials used. To facilitate drainage, the sill plate should never slope toward the interior. For challenging environments and other information, refer to EEBA's (Energy and Environmental Building Association) Water Management Guide ([www.eeba.org](http://www.eeba.org)).



Example of window sill flashing in a membrane drainage system.



Example of window unit installed using Andersen published minimum rough opening dimensions.



Example of two units joined together with the use of gusset plates and pan head screws that will require additional rough opening space.

## IMPORTANCE OF PROPER INSTALLATION

Proper installation and maintenance of Andersen products is essential to attain optimum performance and operation. Installation instructions that provide guidelines for proper installation are typically provided with Andersen products. They are also available by visiting [andersenwindows.com](http://andersenwindows.com). Remember that every installation is different, and Andersen strongly recommends consultation with the local supplier or an experienced contractor, architect or structural engineer prior to the installation of any Andersen product. The method of attachment for Andersen products, fastener selection and code compliance is the responsibility of the architect, building owner, contractor, installer and/or consumer. For more complete installation details, visit [andersenwindows.com](http://andersenwindows.com) or see your Andersen supplier.

**GENERAL NOTES**

When ordering, make certain you specify, then verify, the exact product, unit dimensions, configuration requirements, color and options you desire on each window or patio door. Before installing the product, we suggest you verify that it includes the features and options you ordered. Visit [andersenwindows.com](http://andersenwindows.com) for product installation and joining guides. Printing limitations prohibit exact color duplication of products. View actual samples for building specifications. Andersen Corporation reserves the right to change details, specifications or sizes without notice. The customer assumes all risk of alterations made to Andersen® products.

**CODES**

Appropriate selection of Andersen products that conform to all applicable laws, ordinances, building codes and safety requirements is the sole responsibility of the architect, designer, building owner and/or contractor. Check with your local building code officials for specific information. Unit wind load, performance grade and energy performance information is provided on pages 206-233. For up-to-date product performance information, visit [andersenwindows.com](http://andersenwindows.com). The performance of any building system depends on the design and construction of the building system in its entirety, which should meet building code requirements, as well as address product and material limitations and local environment and climate.

**DRIP CAPS**

Drip caps are a specific type of flashing or trim that is used at the head of a window or door to direct water from the drainage plane out beyond the face of the unit.

**FLASHING**

Flashing is an important element in a building's water management system. It is used to shed and direct water to the building exterior or to the drainage plane. Flashing materials are typically applied starting from the bottom and working upward, with each successive layer overlapping the previous one in shingle fashion. Water infiltration problems in any type of building can be reduced by properly flashing and/or sealing around all building openings, including windows and doors.

**USE OF SHIMS**

Shims are used along the side jambs of windows and doors to center the unit in the rough opening and to position it plumb, level and square. In addition, shims are always required for windows only under the sill at the side jambs to lift it off the sill plate. Shims also enable a straight frame for proper weatherstrip contact and unit operation. If not placed properly, unit performance and operation can be affected. Use waterproof shims capable of supporting the weight of the product. When using tapered shims, use them in pairs with the tapers opposing each other to avoid tilting the unit or twisting (rotating) of the jambs.

**SEALANTS**

Sealants are elastic materials used to block the passage of water and/or air while allowing movement between the two sides of the joint. A sealant should bond tightly and be able to expand and contract to accommodate joint movement without cracking or tearing away from the substrate. Surfaces must be clean, dry and sound for adequate sealant adhesion. Choose a sealant that is compatible with, and that will adhere adequately to, all building materials used in the window and patio door area. Proper sealant joint design is based upon the expected movement of adjacent materials and the movement capability

Dimensions in parentheses are in millimeters.

of the sealant. A general rule of thumb is that the depth of the sealant joint should be equal to half the width ( $D = W/2$ ), but generally not less than 1/4" (6) or more than 1/2" (13). Foam-plastic backer rod can be used to limit the depth of the sealant joint, to provide a backstop for tooling the sealant without damage to the bond. It also acts as a bond breaker to help minimize stress in the sealant. Sealants should be maintained seasonally and repaired and/or replaced as needed.

**GENERAL INSTALLATION GUIDELINES**

1. Read and follow the installation guide in its entirety.
2. Decide whether you are integrating to a surface barrier or a membrane drainage system before installing the product. The appropriate method for your installation may vary based on building design, application and industry practices.
3. Make certain the drainage plane is continuous (proper overlaps to shed water, taped seams, etc.).
4. Andersen products should be installed only in the vertical position.
5. Check the rough opening to make sure it is sized properly, is square and is level.
6. Install the window plumb.
7. Install the window level.
8. Install the window square. Diagonal measurements should be within 1/8" (3).
9. Follow installation instructions to properly locate shims and to make sure that units are plumb, level and square. Shims are always required under the window jambs at the sill and along the jambs on the sides.
10. Check for squareness of unit before final anchoring of the product into the wall.
11. Anchor window as directed with appropriate fasteners.
12. Integrate the window into the drainage plane of the wall using quality flashing and sealing materials. All flashing materials should be properly overlapped to shed water.
13. Allow 1/4" (6) minimum space for a sealant joint around perimeter of unit between exterior finish materials and unit.
14. Insulate and seal the interior cavity between the window frame and the rough opening.
15. Check unit operation before application of interior trim.
16. Stain and/or seal all unfinished wood surfaces promptly to minimize moisture absorption.

**EXTERIOR PAINTING/SEALING OF ANDERSEN® PRODUCTS**

The exterior of some Andersen products may be painted or stained. However, improper painting and staining may cause damage to vinyl, aluminum and other exterior materials.

**CAUTIONS**

1. Do not apply any type of film to insulating glass. Thermal stress and glass damage can result. Andersen Corporation is not responsible for product performance when films are applied to Andersen products.
2. The use of removable insulating materials such as insulated window coverings, shutters and other shading devices may also cause thermal stress conditions and/or deformation of protective vinyl. In addition, excessive condensation may result, which can have a deteriorating effect on the window or patio door unit(s) involved. Andersen Corporation is not responsible for product performance when these kinds of materials or devices are

- applied to or used in conjunction with Andersen products.
3. In wall construction utilizing brick facades, leave adequate clearance between sill, jambs and brick for sealing and dimensional change of framework.
  4. Acid solutions commonly used to wash brick and other masonry materials will damage glass, fasteners, hardware and metal flashing. Protect unit and follow cleaning product instructions carefully. Damage caused by acid solution is not covered under the Andersen limited warranty.
  5. Andersen windows may be combined in almost unlimited ribbons or stacks if each unit is positively secured to structural elements on opposing sides and if the proper joining system is used. See page 206 for more information.

**SAFETY GLASS**

Unless specifically ordered, Andersen windows are not made with safety glass and, if broken, the glass could fragment, causing injury. Andersen windows may be ordered with tempered glass which may reduce the likelihood of injury when broken. All Andersen patio doors are made with tempered glass. Differences in appearance between tempered and non-tempered glass can be expected. Slight visual distortions may be noticeable and occur normally as a result of the tempering process. Building codes require safety glass in locations adjacent to or near doors and other locations.

**WINDOW AND PATIO DOOR SAFETY**

Windows may provide a secondary avenue of escape or rescue in an emergency, such as a fire. Every family should develop an escape plan and make sure family members know how to escape from the home in an emergency. In your plan, include two ways to escape from every room in case one way is blocked by fire or smoke, and make sure you have a designated meeting place outside. A window or a door is an alternate means of escape or rescue. Practice your plan until each member of the family understands it and is able to escape without assistance. Remember, you may not be able to reach children during a fire emergency. Teach children – even very young children – that they must escape from a fire in the home and never hide from the fire or from emergency personnel.

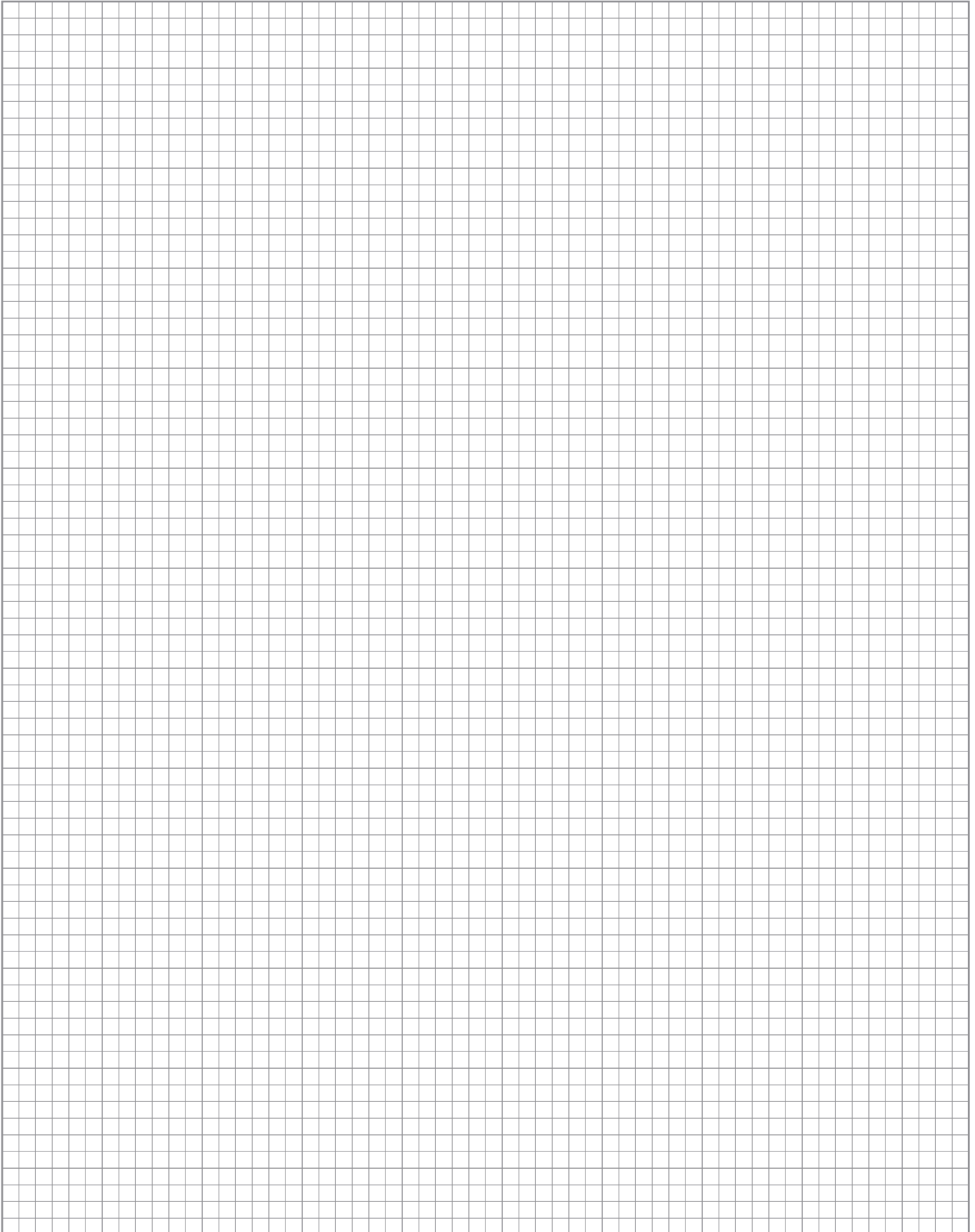
**LOOKOUT FOR KIDS® PROGRAM**

The Consumer Product Safety Commission has said: "Keep children away from open windows to prevent falls. Don't depend on insect screens to keep the child from falling out of the window. They are designed to keep insects out, not children in. Avoid placing furniture near windows to keep children from climbing to a window seat or sill." In an effort to educate consumers about the potential for child falls from windows, Andersen Corporation created the LookOut For Kids Program. It combines a window and door safety brochure and specific product instructions to help make window and door safety an important priority for consumers. For more information on child safety, write:

Andersen Corporation  
**LookOut For Kids Program**  
100 Fourth Avenue North  
Bayport, MN 55003  
Call: 1-800-313-8889 Email: [lofk@andersencorp.com](mailto:lofk@andersencorp.com)

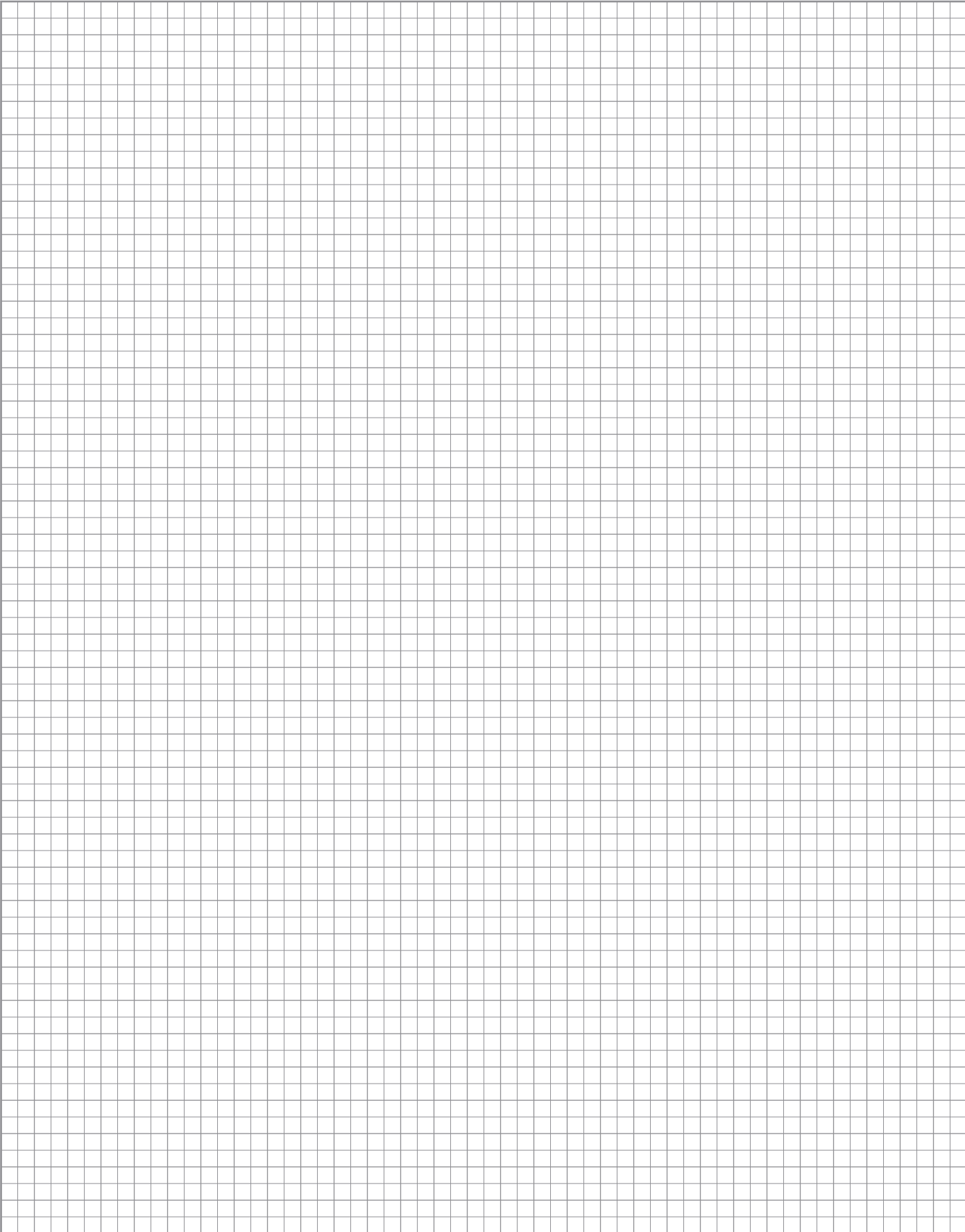


# NOTES

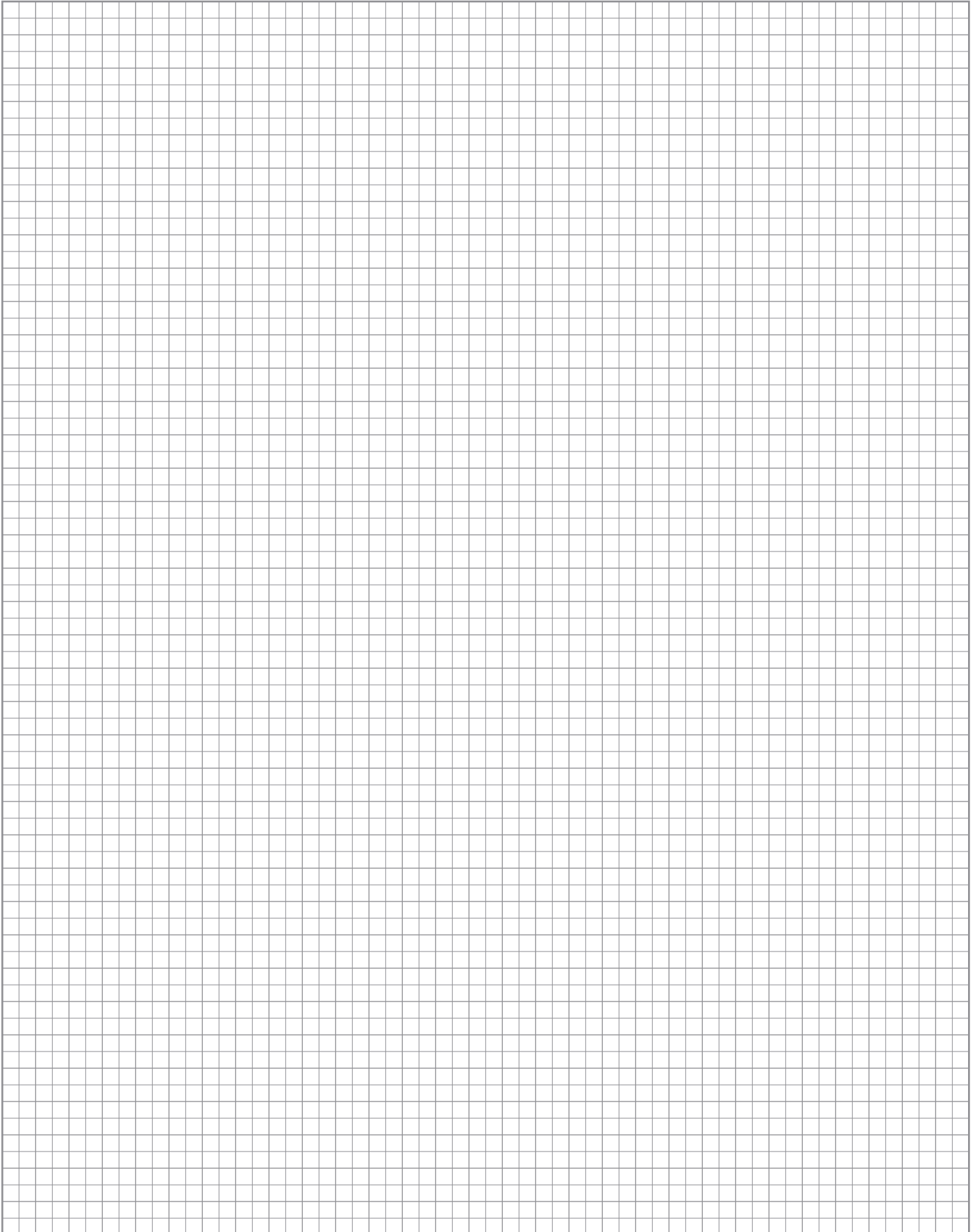




# NOTES



# NOTES PAGE





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## PDF NAVIGATION TIPS

Welcome to an overview of the enhanced navigation tools available in this PDF. Here are some simple tips on PDF navigation. Before you begin be sure you are using the latest version of Adobe Acrobat Reader DC, available at – <https://get.adobe.com/reader/>

To watch a 3-minute tutorial on navigating catalog PDFs, go to: <https://youtu.be/sWWnYn6ON3Y>

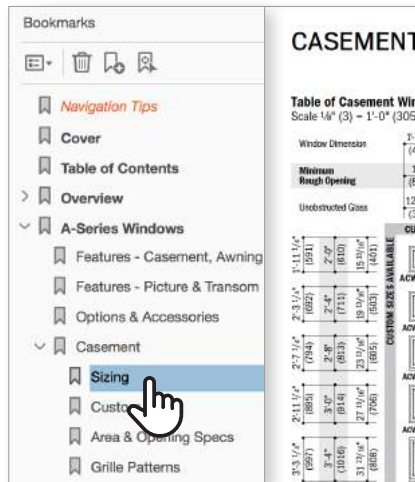
### BOOKMARK NAVIGATION

①

Acrobat will display the bookmarks panel when you open the PDF.

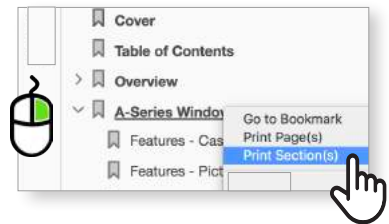
**Bookmarks** are the easiest way to find specific product information.

Select a topic and that page will be displayed.



②

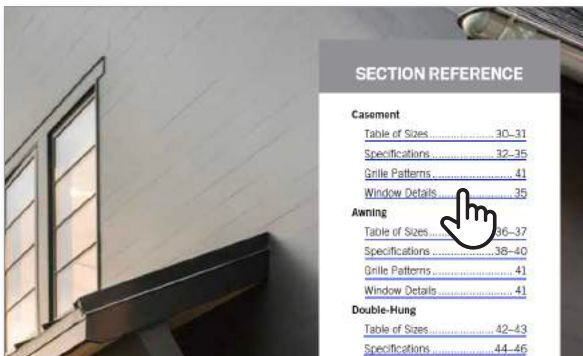
If you need to print a specific section, **right click on that section** within in the bookmarks panel and choose “**Print Section.**”



### LINKS AND URL NAVIGATION

①

You can also use the **embedded links** to navigate between sections. All links are underlined in blue.



②

Website links automatically open in your web browser.



The tilt-in feature of A-Series allows one-hand operation

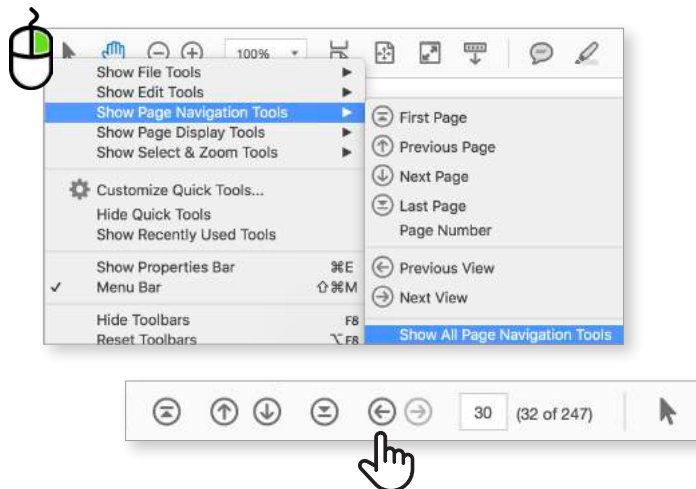
Add additional navigation tools by adjusting the default settings in Acrobat.

## ← → TOOL BAR NAVIGATION

①

To add a **“Jump Back” Button** to your tool bar, **Right click on tool bar**, select **Show Page Navigation Tools** and choose **Show All Page Navigation Tools**.

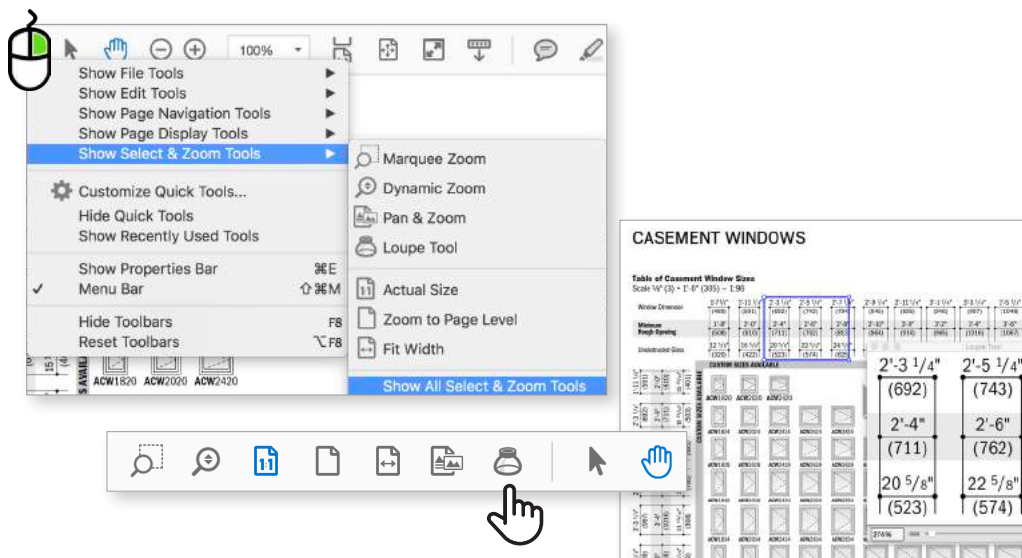
Right and left facing arrows are added to the tool bar allowing you to go back or forward to the last page you viewed.



②

Another helpful tool is the **Loupe Tool**. It allows you to zoom in on the page without having to increase the page size.

To add a **Loupe Tool** to your tool bar, **right click on tool bar**, select **Show Select & Zoom Tools** and then choose **Show All Select & Zoom Tools**.



③

You can also use the **commenting tools**. Add a post-it-note with your comments or highlight important information.

Be sure to save the file.



To watch a 3-minute tutorial on navigating catalog PDFs, go to: <https://youtu.be/sWWnYn60N3Y>

We are always looking for ways to improve.  
Please send feedback to [webmarketing@andersencorp.com](mailto:webmarketing@andersencorp.com).