Andersen ARCHITECTURAL COLLECTION

A-SERIES
WINDOWS & DOORS

Architectural Authenticity. Unparalleled Performance.



2019 PRODUCT GUIDE FOR PROFESSIONALS

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A-SERIES

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

MOST USED BRAND BY BUILDERS FOR 20 YEARS hanleywood

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

MOST USED BRAND BY REMODELERS SINCE 2006 hanleywood

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

READERS' CHOICE 2018 GREEN BUILDER

Awarded Most Environmentally Friendly Windows 7 years running
2011-2018

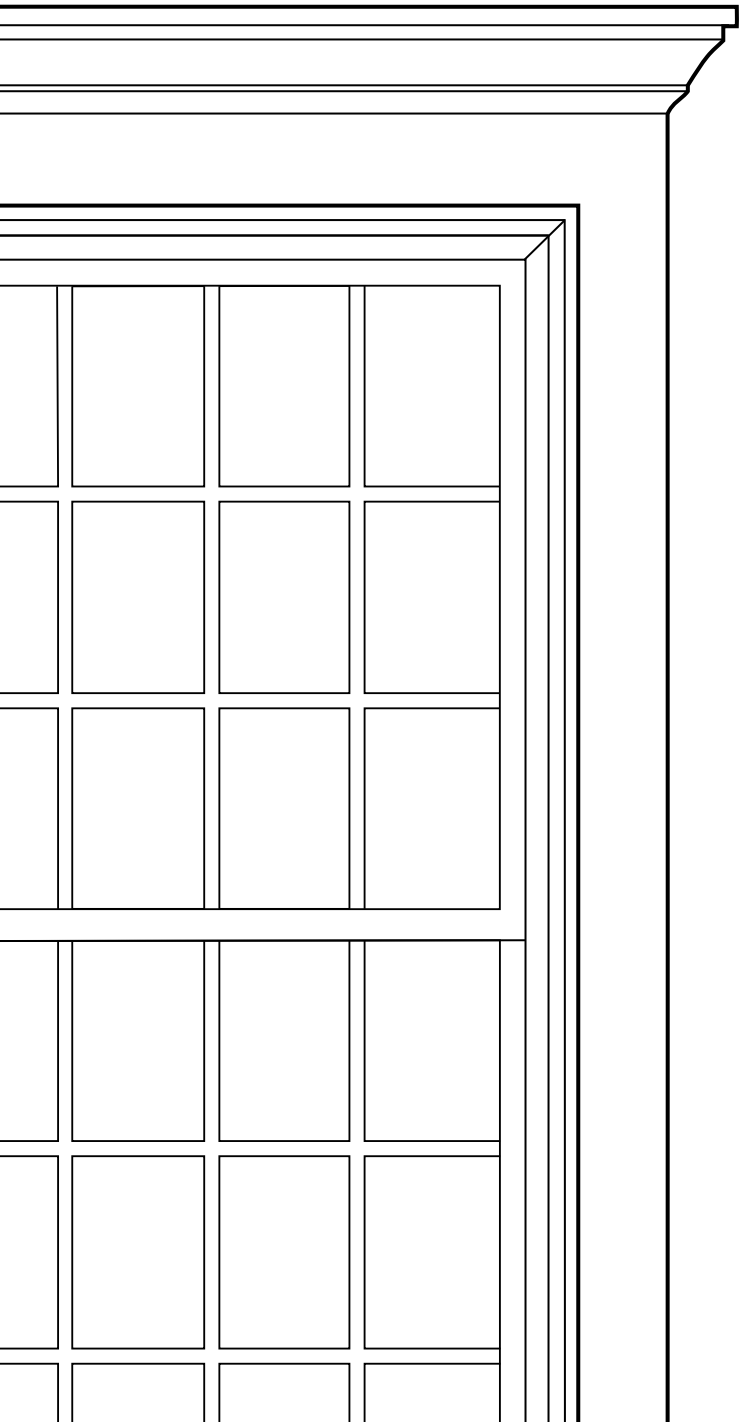
ENERGY STAR AWARD 2018 PARTNER OF THE YEAR Sustained Excellence

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® ARCHITECTURAL COLLECTION

A-SERIES
WINDOWS & DOORS



Create Distinction.

Whether you're looking for traditional or contemporary style, performance or innovation, you'll find it in the Andersen® 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**.



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** for more information and to verify that the product with glass option is ENERGY STAR certified in your area.

ASK ABOUT ENERGY STAR

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.††**



WINDOWS AND DOORS WITH StormWATCH 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** or refer to the *Andersen® Coastal Product Guide* for more information. See your local building code official for specific requirements.

PG70‡‡ PERFORMANCE
FWHID33100HP Impact DPUP +65/-70
(AAMA/WDMA/CSA 101/I.S.2/A440-08 & -11)

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.)

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

PG50† PERFORMANCE
FWHID33100HP +50/-50
(AAMA/WDMA/CSA 101/I.S.2/A440-08 & -11)

OWNER2OWNER® 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.

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.



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

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.
†† Visit 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.
"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.



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**.



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

White
Canvas
Sandtone
Terratone
Dark Bronze
Forest Green
Dove Gray
Prairie Grass
Red Rock
Cocoa Bean
Black

* Visit 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



EXTERIOR TRIM STYLE OPTIONS



2" (51) Brick Mould
shown in Canvas



3 ½" (89) or 4 ½" (114) Flat
shown in Terratone



3 ½" (89) or 4 ½" (114) Flat with extended head
shown in Red Rock



3 ½" (89) or 4 ½" (114) Flat with decorative drip cap
shown in Forest Green



3 ½" (89) or 4 ½" (114) Flat with 2" (51) cornice head
shown in Prairie Grass



3 ½" (89) or 4 ½" (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 ½" (89) or 4 ½" (114) Flat
shown in Sandtone



3 ½" (89) or 4 ½" (114) Flat with extended sill
shown in White



3 ½" (89) or 4 ½" (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


Pine


Maple


Oak


Cherry


Mahogany*


Vertical Grain Douglas Fir

STAINED INTERIOR OPTIONS

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


Clear Coat


Honey


Cinnamon


Russet


Mocha


Espresso

PAINTED INTERIOR OPTIONS

Available on pine.

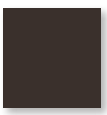

White

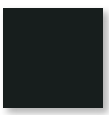

Birch Bark


Primed (for paint)


Canvas


Sandtone


Dark Bronze


Black

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

* 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.

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.**



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



Folding handle avoids interference with window treatments.

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



Casement locking mechanism

WINDOW HARDWARE FINISH OPTIONS



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

* 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.

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



1035



1075



1076



1102

* 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



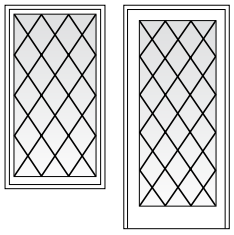
* Hardware sold separately.
Matching hinges available in most hardware finishes for inswing patio doors.
Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use.
Bright brass and satin nickel finishes on patio door hardware feature a 10-year limited warranty.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

A-Series Grilles for Every Home.

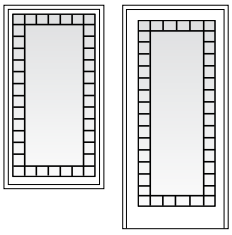
Andersen® A-Series windows and doors offer a variety of architecturally authentic grille types and standard grille patterns. We'll also work with you to provide your customers with custom grille designs for a signature look.



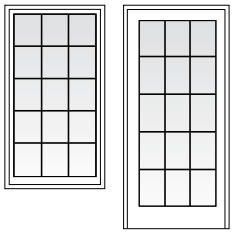
To see all the standard patterns available for a specific window or door, refer to the detailed sections of this book for each product or contact your Andersen supplier.



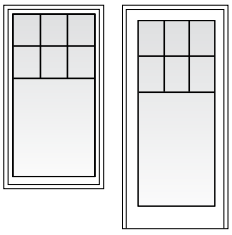
Diamond



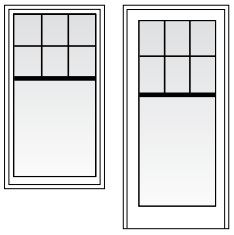
Queen Anne



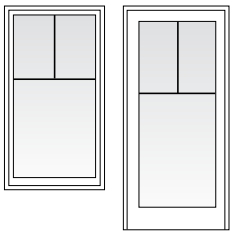
Colonial



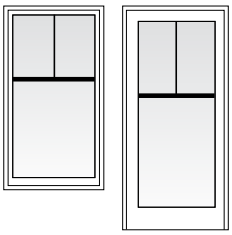
Modified Colonial



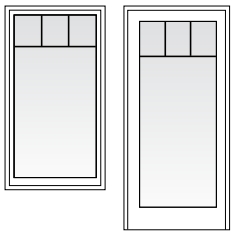
Modified Colonial with 2 ¼" (57) rail*



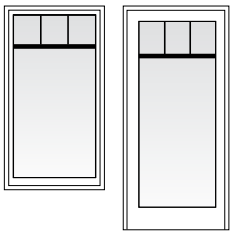
Tall Fractional



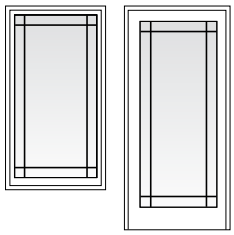
Tall Fractional with 2 ¼" (57) rail*



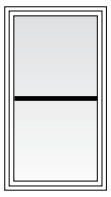
Short Fractional



Short Fractional with 2 ¼" (57) rail*

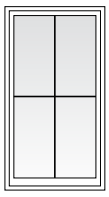


Prairie A

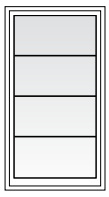


Simulated Double-Hung

Our 2¼-inch-wide grille can make a casement window look like a double-hung.

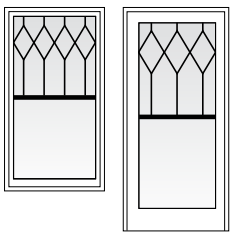


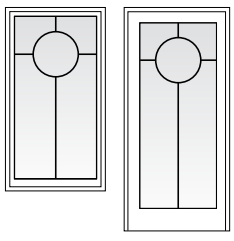
2 x 2

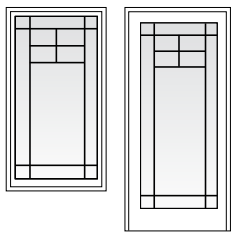


1 x 4

Specified Equal Light**







Custom Patterns

* Simulated check rails are also available in ⅞" (22) and 1⅛" (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.



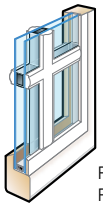
¾" (19) ⅞" (22) 1 ⅛" (29) 2 ¼" (57)

Our 2 ¼"(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.



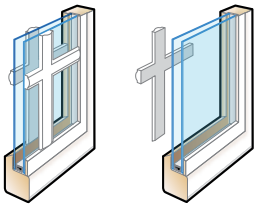
Permanent Exterior
Permanent Interior with Spacer

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.

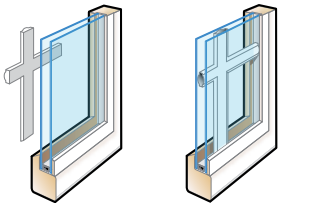


Permanent Exterior
Permanent Interior

Permanent Exterior
Removable Interior

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 ¾" (19) profile.



Removable
Interior Grille

Finelight Grilles–
Between-the-Glass*



* ⅞" (22), 1⅛" (29) and 2¼" (57) not available in Finelight grilles-between-the-glass.
Dimensions in parentheses are in millimeters.

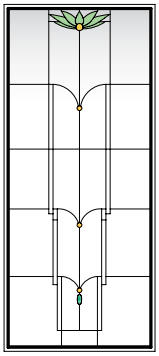
Between-the-Glass Art Glass.

Statements in Beauty, Style and Color.

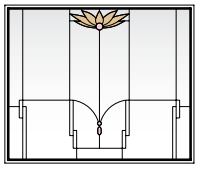
A-Series products are available with between-the-glass art glass, which places the decorative panel between the glass panes, providing superior protection for the art glass and making it easy to keep clean. Contact your Andersen supplier for availability.



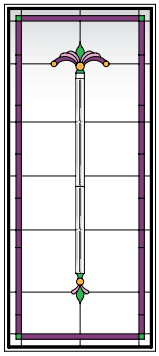
HISTORIC AND CLASSIC SERIES*



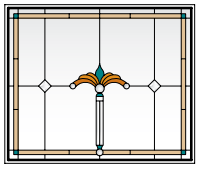
LOTUS
Light Green, Amber jewels and Green jewels



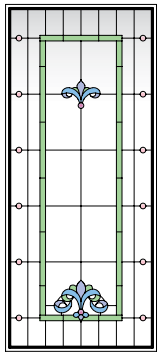
LOTUS
Sand, Pink jewels



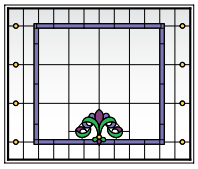
REGENCY
Deep Rose, Deep Green, Rose, and Opal Amber jewels



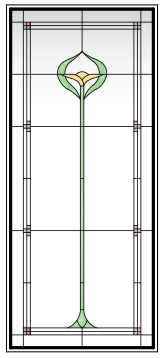
REGENCY
Sand, Deep Teal, Topaz, Copper and Smoke jewels



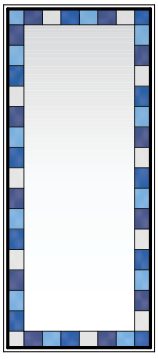
VICTORIA
Light Green, Lilac, Light Blue, Pink jewels and Lilac jewels



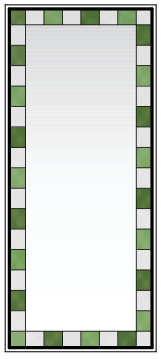
VICTORIA
Violet, Deep Rose, Deep Green and Amber jewels



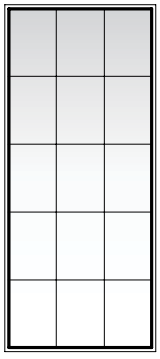
ARTS & CRAFTS
Olive Green, Pale Amber, Clear Waterglass and Avocado and Tangerine tiles



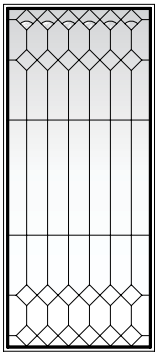
QUEEN ANNE
Pale Blue, Navy Blue, Clear Waterglass, Dark Blue, Clear



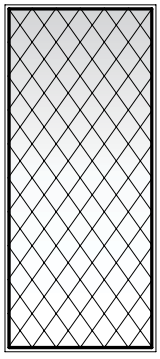
QUEEN ANNE
Olive Green, Clear Waterglass, Moss Green, Clear



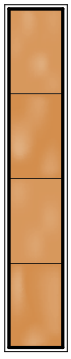
RECTANGULAR GRID



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

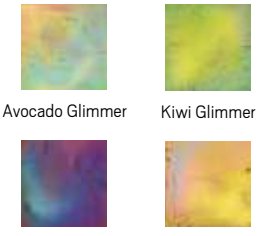
You can order Andersen® art glass designs in standard color palettes or create custom combinations. Color palettes and accent jewels for custom combinations are predetermined by style of art glass. In addition to the colored glass shown below, Clear, Clear Antique, Clear Waterglass, along with textured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



AC EWELS



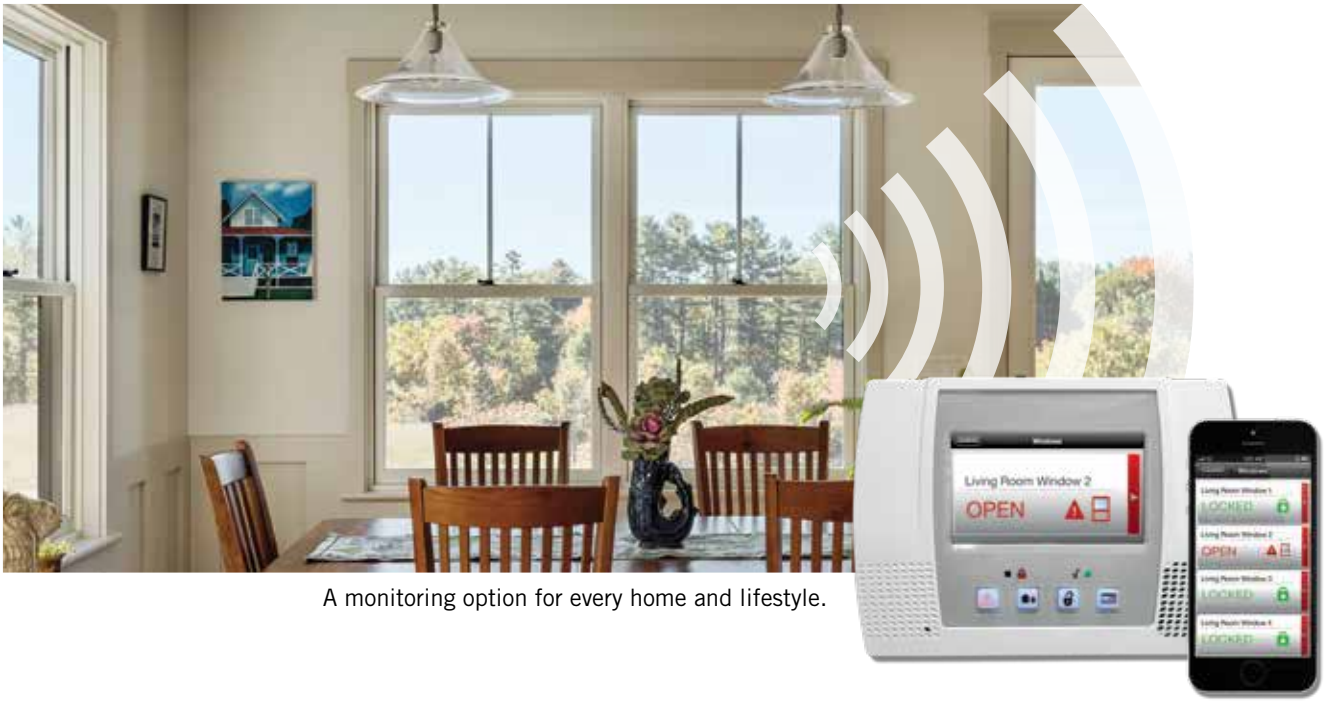
IRIDESCENT ACCENT TILES



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.**



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.**

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

Satin Nickel

* 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.



White Gold Dust Taupe Gray Stone Black

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.



White Canvas Sandtone Dark Bronze

* 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.

Best-in-Class Glass.

ASK ABOUT ENERGY STAR

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

Center of glass performance only. Ratings based on glass options as of January 2018. Visit 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



Fern



Obscure



Reed

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.

ANDERSEN INNOVATION

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.

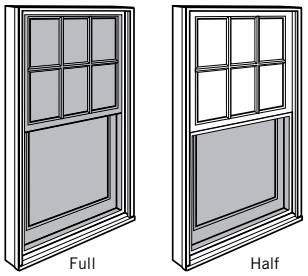
PREFINISHED WOOD FRAME OPTIONS

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.



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.



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.

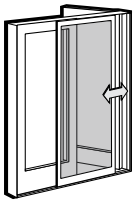

Stone

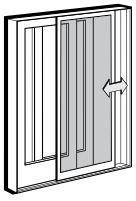

White

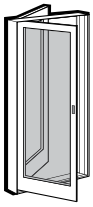

Gold Dust

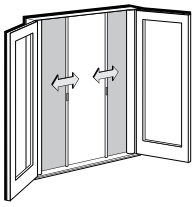
PATIO DOOR INSECT SCREEN CONFIGURATIONS

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.









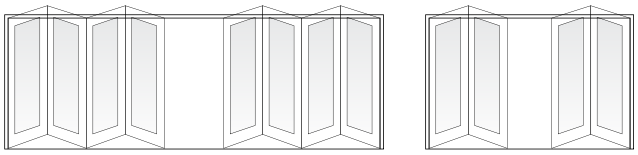


* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.



FOLDING DOORS

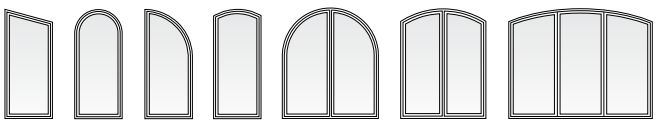
When closed, these folding outswing doors are a stately wall of light. When open, they fold virtually out of sight. Choose from configurations up to 48' (14630) wide and 10' (3048) high, with operating modes that allow the patio doors to open from the left, right or center. Available in traditional or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



Illustrations shown as viewed from interior.

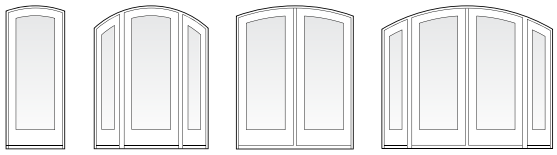
COMPLEMENTARY CASEMENT WINDOWS

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.



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.





Dimensions in parentheses are in millimeters.



Uncommon Precision

COMMON SIZE GRID

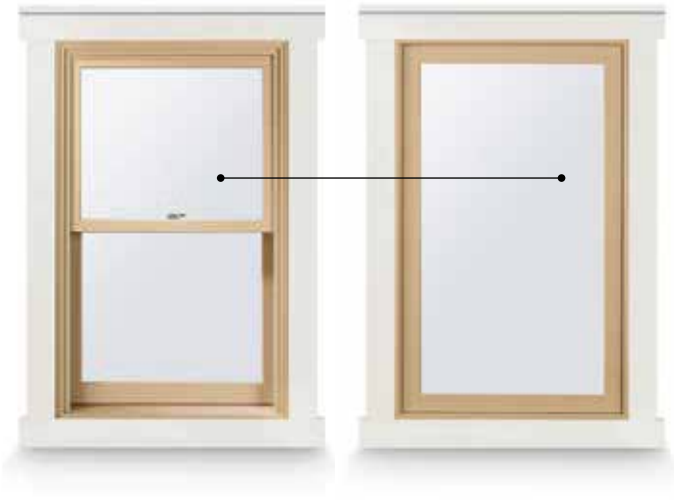
Common sizes in four-inch increments are based on the rough opening to simplify framing and specifying. Even-inch sizes eliminate fractions and reduce jobsite errors. A ¾-inch (19) gap horizontally and vertically leaves room for shims, insulation and sill flashing.

CUSTOM SIZING

All Andersen® A-Series windows and doors can be ordered in ⅛-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.

Dimensions in parentheses are in millimeters.

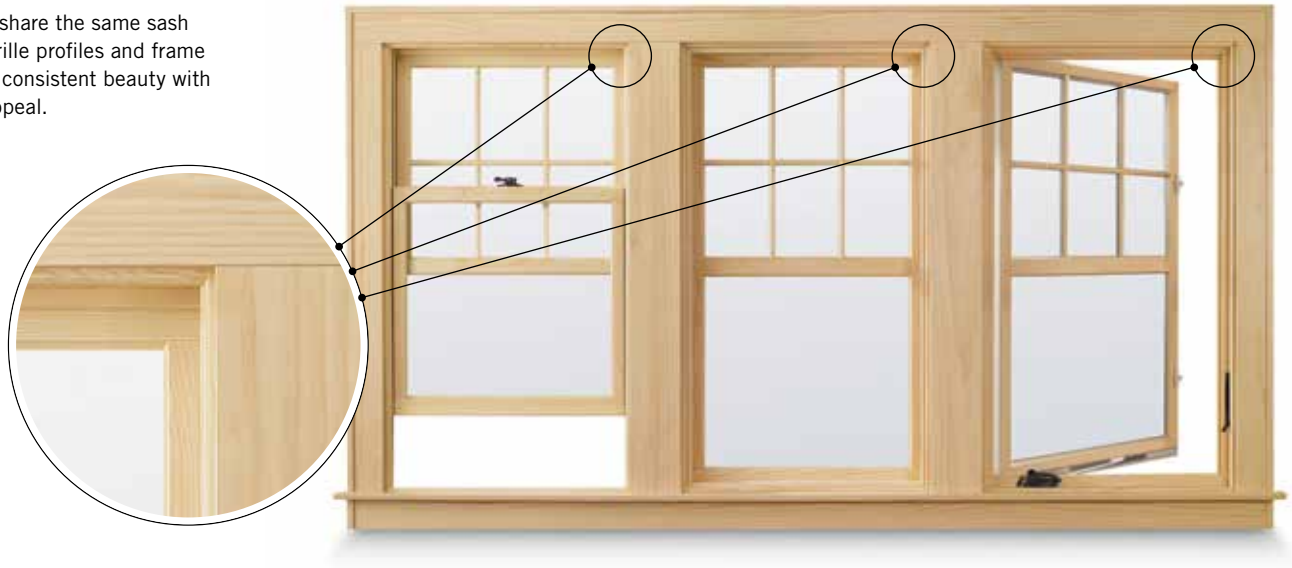
COMPLETE ALIGNMENT

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



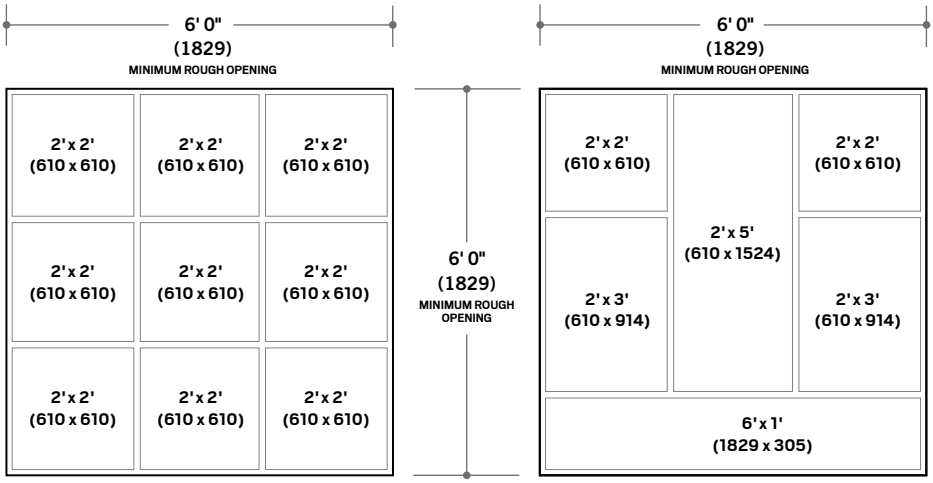
Double-Hung Picture Window Casement

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. ¾-inch (19) horizontal and vertical joins keep sizing consistent no matter how many or what size windows you combine.



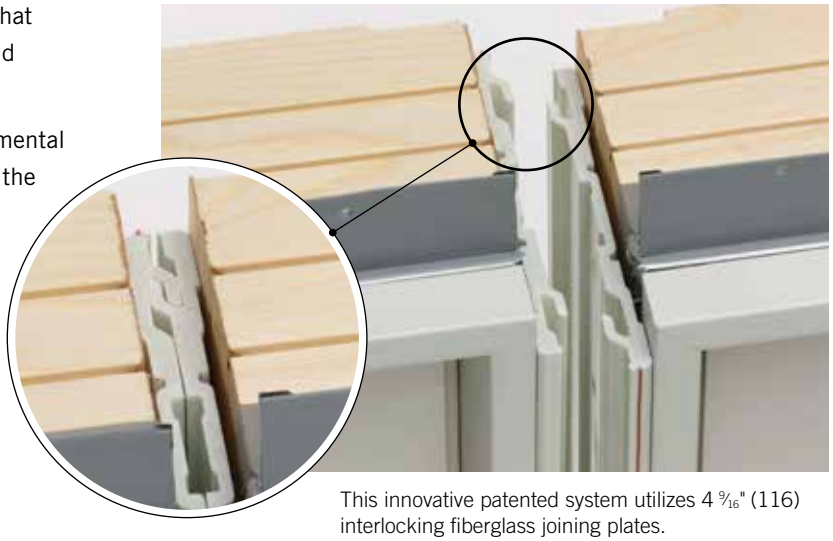
The spacing in these illustrations is exaggerated for demonstration purposes.

Dimensions in parentheses are in millimeters.

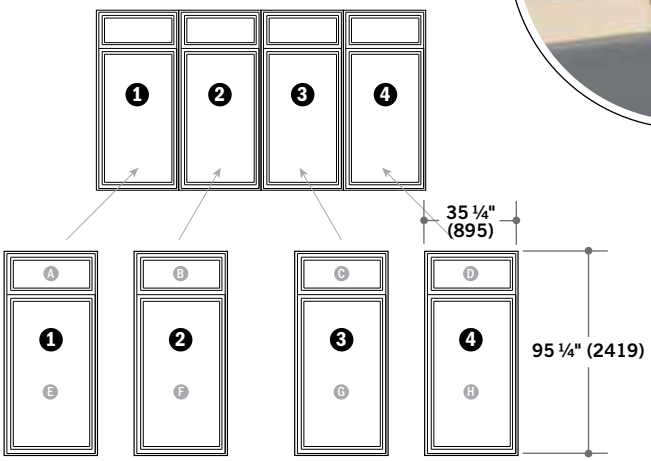
The Ultimate in Jobsite Convenience*

Introducing Andersen® Reinforced Joining options that provide enhanced performance, design flexibility and jobsite conveniences.

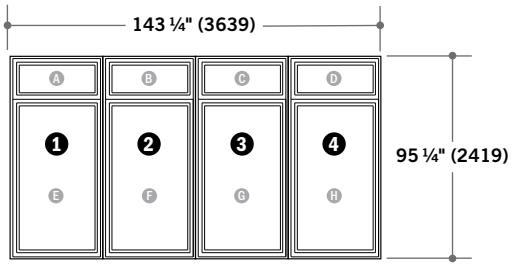
Choose from three joining options to achieve monumental window combinations. These joining options utilize the strength and durability of fiberglass construction and offer the design flexibility of achieving both one-way and two-way combinations. For more information, visit **andersenwindows.com/joining**.



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.****

FULLY JOINED COMBINATION

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

	EASY CONNECT JOINING SYSTEM	FULLY JOINED COMBINATION	EASY CONNECT 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	Rough Opening Maximum of 12' (3658) in one direction, no maximum in the other direction	Rough Opening Maximum of 12' x 8' or 8' x 12' (3658 x 2438 or 2438 x 3658)	Rough Opening Maximum 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

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- Table of Sizes 30–31
- Specifications 32–35
- Grille Patterns 41
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Awning
- Table of Sizes 36–37
- Specifications 38–40
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Double-Hung
- Table of Sizes 42–43
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- Table of Sizes 56–60
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Dimensions in parentheses are in millimeters.

FEATURES

CASEMENT & AWNING

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 (shown). The trim flange allows for Andersen® exterior trim surrounds to be applied in seconds after window installation.

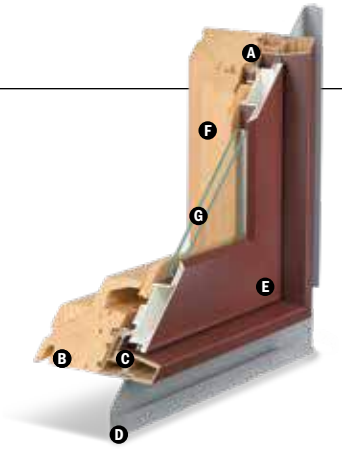
Sash

Ⓔ 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
- Tall bottom rail on casement window aligns with double-hung and picture windows for common sight lines

Ⓕ 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 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

Ⓐ 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 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.

Ⓓ Traditional sloped sill design.

Ⓔ 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.

Ⓕ 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.

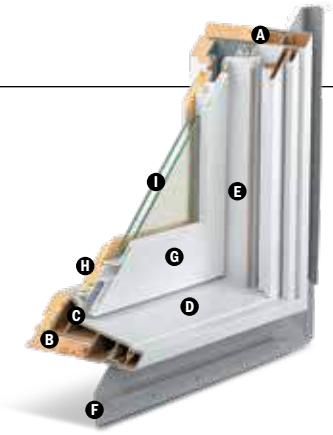
Sash

Ⓖ 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

Ⓗ 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.



Ⓘ 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 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.

StormWATCH PROTECTION

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

* Visit andersenwindows.com/warranty for details.

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

Dimensions in parentheses are in millimeters.

WINDOWS

EXTERIOR

White | Canvas | Sandtone | Terratone | Forest Green | Dark Bronze | Dove Gray | Prairie Grass | Red Rock | Cocoa Bean | Black

INTERIOR

WOOD SPECIES

Pine | Maple | Oak | Cherry | Mahogany* | Vertical Grain Douglas Fir

FACTORY-FINISHED INTERIORS

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

Clear Coat | Honey | Cinnamon | Russet | Mocha | Espresso

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.

White | Birch Bark | Primed (for paint) | Canvas

Sandtone | Dark Bronze | Black

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

HARDWARE FINISHES

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

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

HARDWARE

Casement, Awning & Venting Transom Options**

TRADITIONAL FOLDING



Distressed Bronze | Distressed Nickel | Gold Dust
Oil Rubbed Bronze | Polished Chrome | Satin Nickel
Stone | White

CONTEMPORARY FOLDING



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 9/16" (116), 5 1/4" (133), 6 9/16" (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** for details and pattern information.

Security Sensors

VeriLock® Sensors

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

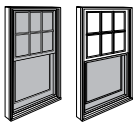
Open/Closed Sensors

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.



Full Half

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 for details.

Dimensions in parentheses are in millimeters.

CASEMENT WINDOWS

Table of Casement Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

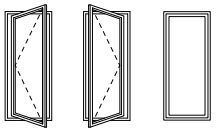
Window Dimension	1'-7 1/4" (489)	1'-11 1/4" (591)	2'-3 1/4" (692)	2'-5 1/4" (743)	2'-7 1/4" (794)	2'-9 1/4" (845)	2'-11 1/4" (895)	3'-1 1/4" (946)	3'-3 1/4" (997)	3'-5 1/4" (1048)	3'-7 1/4" (1099)	3'-9 1/4" (1149)	3'-11 1/4" (1200)
Minimum Rough Opening	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-6" (762)	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" (930)	36 5/8" (1031)	38 5/8" (1133)	40 5/8" (1234)

CUSTOM SIZES AVAILABLE

CUSTOM SIZES AVAILABLE

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◊*	ACW2838◊*	ACW21038◊	ACW3038◊	ACW3238◊*†	ACW3438◊*†	ACW3638◊*†	ACW3838◊*††	ACW31038◊*††	ACW4038◊*††
3'-11 1/4" (1200)	ACW1840	ACW2040	ACW2440◊*	ACW2640◊*	ACW2840◊	ACW21040◊	ACW3040◊	ACW3240◊*†	ACW3440◊*†	ACW3640◊*†	ACW3840◊*††	ACW31040◊*††	ACW4040◊*††
4'-3 1/4" (1302)	ACW1844	ACW2044	ACW2444◊*	ACW2644◊*	ACW2844◊	ACW21044◊	ACW3044◊	ACW3244◊*†	ACW3444◊*†	ACW3644◊*†	ACW3844◊*††	ACW31044◊*††	ACW4044◊*††
4'-7 1/4" (1403)	ACW1848	ACW2048	ACW2448◊*	ACW2648◊*	ACW2848◊	ACW21048◊	ACW3048◊	ACW3248◊*†	ACW3448◊*†	ACW3648◊*†	ACW3848◊*††	ACW31048◊*††	ACW4048◊*††
4'-11 1/4" (1505)	ACW1850	ACW2050	ACW2450◊*	ACW2650◊*	ACW2850◊	ACW21050◊	ACW3050◊	ACW3250◊*†	ACW3450◊*†	ACW3650◊*†	ACW3850◊*††	ACW31050◊*††	ACW4050◊*††
5'-3 1/4" (1607)	ACW1854	ACW2054	ACW2454◊*	ACW2654◊*	ACW2854◊	ACW21054◊	ACW3054◊	ACW3254◊*†	ACW3454◊*†	ACW3654◊*†	ACW3854◊*††	ACW31054◊*††	ACW4054◊*††
5'-7 1/4" (1708)	ACW1858	ACW2058	ACW2458◊*	ACW2658◊*	ACW2858◊	ACW21058◊	ACW3058◊	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.

continued on next page

◊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). See tables on pages 32-35.
⧫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.

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)
Minimum Rough Opening	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" (930)	36 5/8" (1031)	38 5/8" (1133)	40 5/8" (1234)

CUSTOM SIZES AVAILABLE

5'-11 1/4" (1810)	6'-0" (1829)	63 13/16" (1621)	ACW1860	ACW2060	ACW2460◊	ACW2660◊*	ACW2860◊†	ACW21060◊†	ACW3060◊†	ACW3260◊*†	ACW3460◊*†	ACW3660◊*†	ACW3860◊*†	ACW31060◊*†	ACW4060◊*†
6'-3 1/4" (1911)	6'-4" (1930)	67 13/16" (1722)	ACW1864†	ACW2064†	ACW2464⧫*†	ACW2664⧫*†	ACW2864⧫*†	ACW21064⧫*†	ACW3064⧫*†	ACW3264⧫*†	ACW3464⧫*†	ACW3664⧫*†	ACW3864⧫*†	ACW31064⧫*†	ACW4064⧫*†
6'-7 1/4" (2013)	6'-8" (2032)	71 13/16" (1824)	ACW1868†	ACW2068†	ACW2468⧫*†	ACW2668⧫*†	ACW2868⧫*†	ACW21068⧫*†	ACW3068⧫*†	ACW3268⧫*†	ACW3468⧫*†	ACW3668⧫*†	ACW3868⧫*†	ACW31068⧫*†	ACW4068⧫*†
6'-11 1/4" (2115)	7'-0" (2134)	75 13/16" (1925)	ACW1870†	ACW2070†	ACW2470⧫*†	ACW2670⧫*†	ACW2870⧫*†	ACW21070⧫*†	ACW3070⧫*†	ACW3270⧫*†	ACW3470⧫*†	ACW3670⧫*†	ACW3870⧫*†	ACW31070⧫*†	ACW4070⧫*†
7'-3 1/4" (2216)	7'-4" (2235)	79 13/16" (2027)	ACW1874††	ACW2074††	ACW2474⧫*††	ACW2674⧫*††	ACW2874⧫*††	ACW21074⧫*††	ACW3074⧫*††	ACW3274⧫*††	ACW3474⧫*††	ACW3674⧫*††	ACW3874⧫*††	ACW31074⧫*††	ACW4074⧫*††
7'-7 1/4" (2318)	7'-8" (2337)	83 13/16" (2129)	ACW1878††	ACW2078††	ACW2478⧫*††	ACW2678⧫*††	ACW2878⧫*††	ACW21078⧫*††	ACW3078⧫*††	ACW3278⧫*††	ACW3478⧫*††	ACW3678⧫*††	ACW3878⧫*††	ACW31078⧫*††	ACW4078⧫*††
7'-11 1/4" (2419)	8'-0" (2438)	87 13/16" (2230)	ACW1880††	ACW2080††	ACW2480⧫*††	ACW2680⧫*††	ACW2880⧫*††	ACW21080⧫*††	ACW3080⧫*††	ACW3280⧫*††	ACW3480⧫*††	ACW3680⧫*††	ACW3880⧫*††	ACW31080⧫*††	ACW4080⧫*††

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.

◊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). See tables on pages 32-35.

⧫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. 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./(m²)	Clear Opening in Full Open Position Width Inches/(mm)	Clear Opening in Full Open Position Height Inches/(mm)	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)
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 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)

continued on next page

- "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.

Casement Window Opening and Area Specifications *(continued)*

Window Number	Clear Opening Area Sq. Ft./(m²)	Clear Opening in Full Open Position Width Inches/(mm)	Clear Opening in Full Open Position Height Inches/(mm)	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)
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 7/16" (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 7/16" (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 7/16" (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 7/16" (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 7/16" (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 7/16" (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 7/16" (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 1/4" (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)

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- "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.

Casement Window Opening and Area Specifications *(continued)*

Window Number	Clear Opening Area Sq. Ft./(m²)	Clear Opening in Full Open Position Width Inches/(mm)	Clear Opening in Full Open Position Height Inches/(mm)	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)
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)

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- "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) 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 Width Inches/(mm)	Clear Opening in Full Open Position Height Inches/(mm)	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)
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 m², clear opening width of 20" (508) and clear opening height of 24" (610) with a limited sash opening.

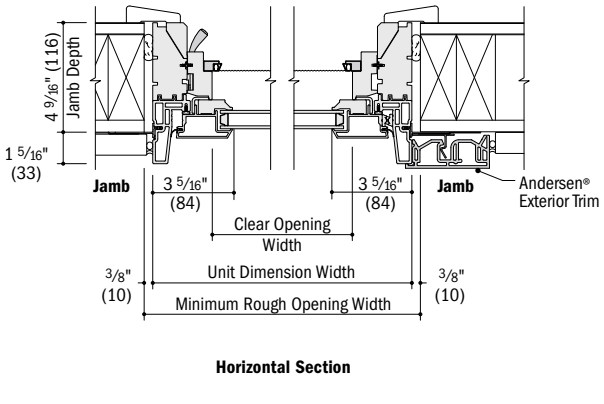
*Available with straight-arm operators only. All other sizes have split-arm operators only.

†Not available with triple-pane annealed glass.

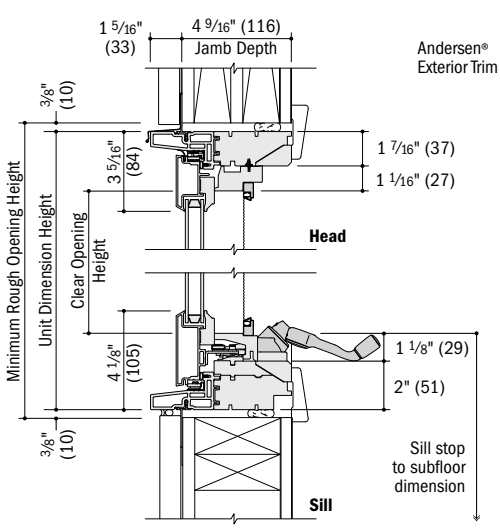
††Not available with triple-pane annealed or tempered glass.

Casement Window Details

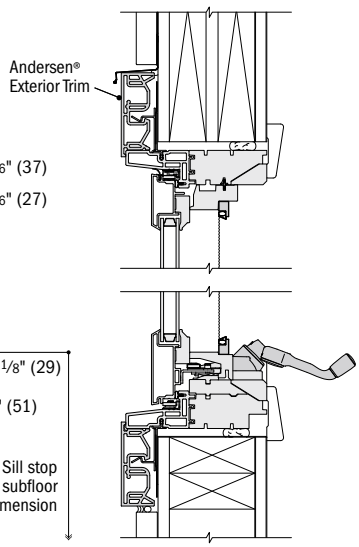
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Horizontal Section



Vertical Section



Vertical Section

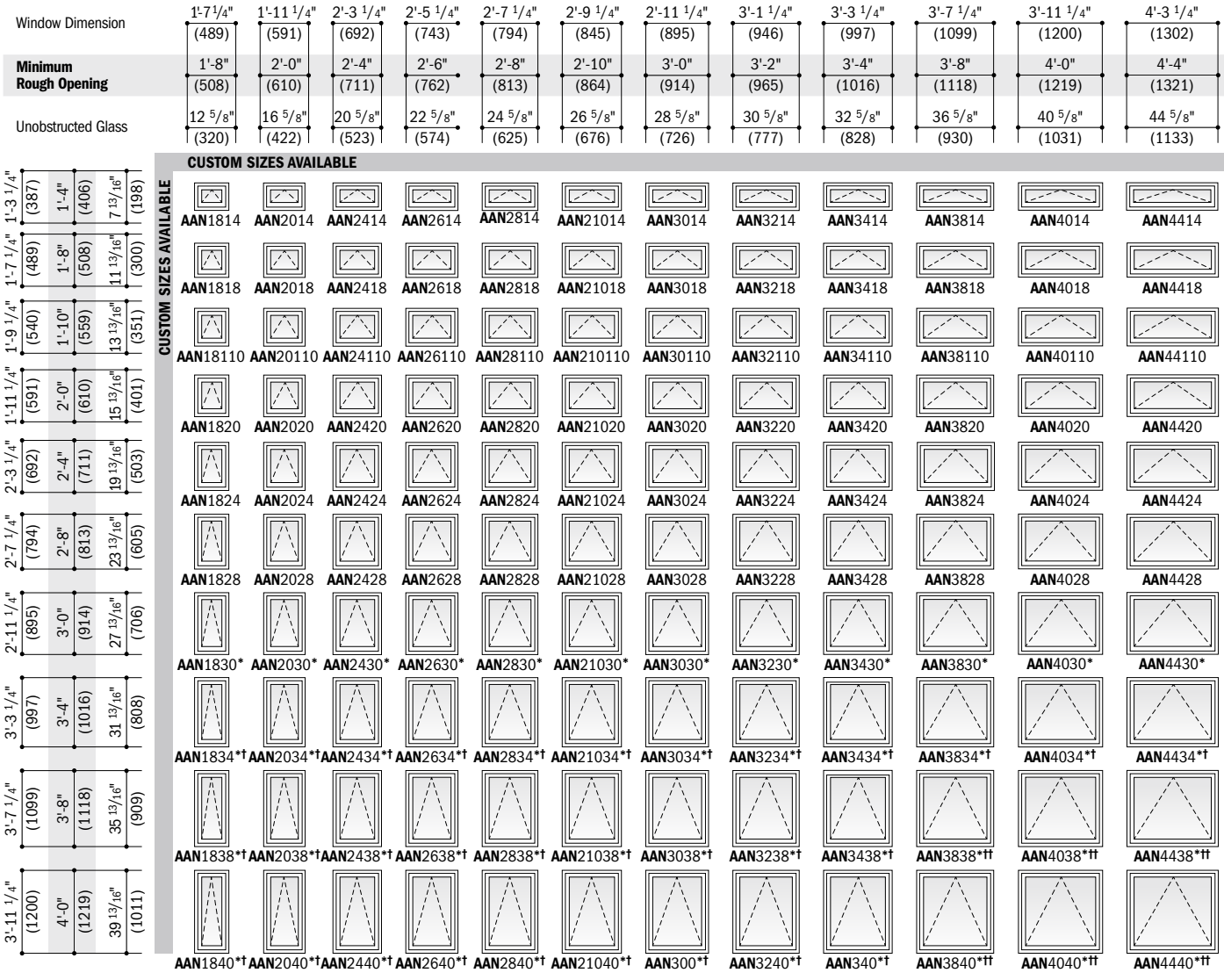
See pages 64-66 for horizontal and vertical joining details.

- 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.

AWNING WINDOWS

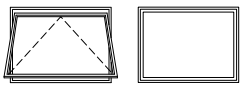
Table of Awning Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96



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.

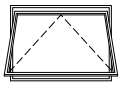
- "Window Dimension" always refers to outside frame to frame dimension.
- "**Minimum Rough Opening**" **dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.**
- Dimensions in parentheses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

*Tandem locks are standard.
†Not available with triple-pane annealed glass.
††Not available with triple-pane annealed or tempered glass.

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	**AAN**5014	**AAN**5414	**AAN**5814	**AAN**6014
AAN4818	**AAN**5018	**AAN**5418	**AAN**5818	**AAN**6018
AAN48110	**AAN**50110	**AAN**54110	**AAN**58110	**AAN**60110
AAN4820	**AAN**5020	**AAN**5420	**AAN**5820	**AAN**6020
AAN4824	**AAN**5024	**AAN**5424	**AAN**5824	**AAN**6024
AAN4828	**AAN**5028	**AAN**5428	**AAN**5828	**AAN**6028
AAN4830*	**AAN**5030*	**AAN**5430*	**AAN**5830*	**AAN**6030*
AAN4834*†	**AAN**5034*†	**AAN**5434*†	**AAN**5834*†	**AAN**6034*†
AAN4838*††	**AAN**5038*††	**AAN**5438*††	**AAN**5838*††	**AAN**6038*††
AAN4840*††	**AAN**5040*††	**AAN**5440*††	**AAN**5840*††	**AAN**6040*††



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./(m²)	Clear Opening in Full Open Position Width Inches/(mm)	Clear Opening in Full Open Position Depth Inches/(mm)	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)
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).
• 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 Window Opening and Area Specifications *(continued)*

Window Number	Clear Opening Area Sq. Ft./(m²)	Clear Opening in Full Open Position Width Inches/(mm)	Clear Opening in Full Open Position Depth Inches/(mm)	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)
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).

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• 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)*

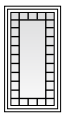
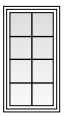
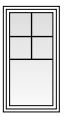
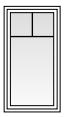
Window Number	Clear Opening Area Sq. Ft./(m²)	Clear Opening in Full Open Position: Width Inches/(mm)	Clear Opening in Full Open Position: Depth Inches/(mm)	Glass Area Sq. Ft./(m²)	Vent Area Sq. Ft./(m²)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./(m²)
AAN4438 ††	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)	2.93 (0.27)	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.

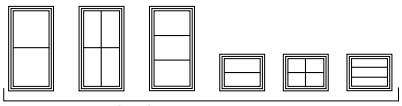
†Not available with triple-pane annealed glass.

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

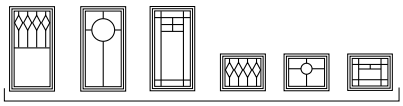
Grille Patterns

	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
Casement											
Awning											

*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.



Specified Equal Light Examples

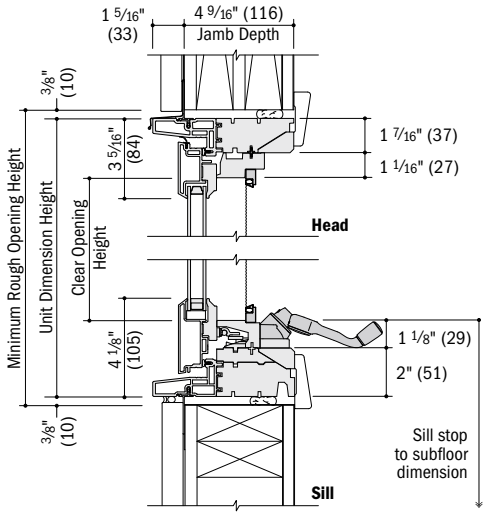


Custom Pattern Examples

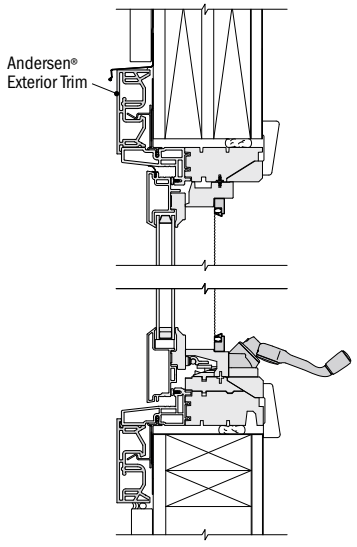
Number of lights and overall pattern varies with window size. Patterns shown may not be available for all sizes. Specified equal light and custom patterns are also available. For more information on divided light, see pages 12-13 or visit **andersenwindows.com/grilles**.

Awning Window Details

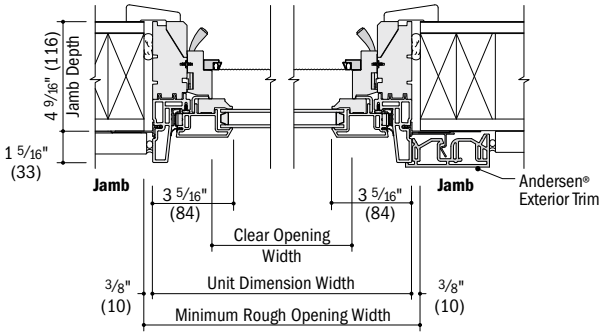
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



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.

DOUBLE-HUNG WINDOWS

Table of Double-Hung Window Sizes

Scale ⅛" (3) = 1'-0" (305) – 1:96

Notes on the next page also apply to this page.

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)
Minimum Rough Opening	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" (1032)

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

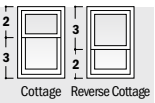
CUSTOM HEIGHTS – 27 1/4" to **95 1/4"**

2'-11 1/4" (895)	3'-0" (914)	12 13/16" (325)	**ADH**1830	**ADH**2030	**ADH**2430	**ADH**2630	**ADH**2830	**ADH**21030	**ADH**3030	**ADH**3230	**ADH**3430	**ADH**3830*	**ADH**4030*
3'-3 1/4" (997)	3'-4" (1016)	14 13/16" (376)	**ADH**1834	**ADH**2034	**ADH**2434	**ADH**2634	**ADH**2834	**ADH**21034	**ADH**3034	**ADH**3234	**ADH**3434	**ADH**3834*	**ADH**4034*
3'-7 1/4" (1099)	3'-8" (1118)	16 13/16" (427)	**ADH**1838	**ADH**2038	**ADH**2438	**ADH**2638	**ADH**2838	**ADH**21038	**ADH**3038	**ADH**3238	**ADH**3438	**ADH**3838*	**ADH**4038*
3'-11 1/4" (1200)	4'-0" (1219)	18 13/16" (478)	**ADH**1840	**ADH**2040	**ADH**2440	**ADH**2640	**ADH**2840	**ADH**21040	**ADH**3040	**ADH**3240	**ADH**3440	**ADH**3840*	**ADH**4040*
4'-3 1/4" (1302)	4'-4" (1321)	20 13/16" (529)	**ADH**1844	**ADH**2044	**ADH**2444	**ADH**2644	**ADH**2844	**ADH**21044	**ADH**3044	**ADH**3244	**ADH**3444	**ADH**3844*	**ADH**4044*
4'-7 1/4" (1403)	4'-8" (1422)	22 13/16" (579)	**ADH**1848	**ADH**2048	**ADH**2448	**ADH**2648	**ADH**2848	**ADH**21048	**ADH**3048	**ADH**3248	**ADH**3448	**ADH**3848*	**ADH**4048*
4'-11 1/4" (1505)	5'-0" (1524)	24 13/16" (630)	**ADH**1850	**ADH**2050	**ADH**2450	**ADH**2650	**ADH**2850	**ADH**21050	**ADH**3050	**ADH**3250◊	**ADH**3450◊	**ADH**3850◊*	**ADH**4050◊*
5'-3 1/4" (1607)	5'-4" (1626)	26 13/16" (681)	**ADH**1854	**ADH**2054	**ADH**2454	**ADH**2654	**ADH**2854	**ADH**21054	**ADH**3054◊	**ADH**3254◊	**ADH**3454◊	**ADH**3854◊*	**ADH**4054◊*
5'-7 1/4" (1708)	5'-8" (1727)	28 13/16" (732)	**ADH**1858	**ADH**2058	**ADH**2458	**ADH**2658	**ADH**2858	**ADH**21058◊	**ADH**3058◊	**ADH**3258◊	**ADH**3458◊	**ADH**3858◊*	**ADH**4058◊*
5'-11 1/4" (1810)	6'-0" (1829)	30 13/16" (783)	**ADH**1860	**ADH**2060	**ADH**2460	**ADH**2660	**ADH**2860◊	**ADH**21060◊	**ADH**3060◊	**ADH**3260◊	**ADH**3460◊	**ADH**3860◊*	**ADH**4060◊*
6'-3 1/4" (1911)	6'-4" (1930)	32 13/16" (833)	**ADH**1864	**ADH**2064	**ADH**2464	**ADH**2664◊	**ADH**2864◊	**ADH**21064◊	**ADH**3064◊	**ADH**3264◊	**ADH**3464◊	**ADH**3864◊*	**ADH**4064◊◆*

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"

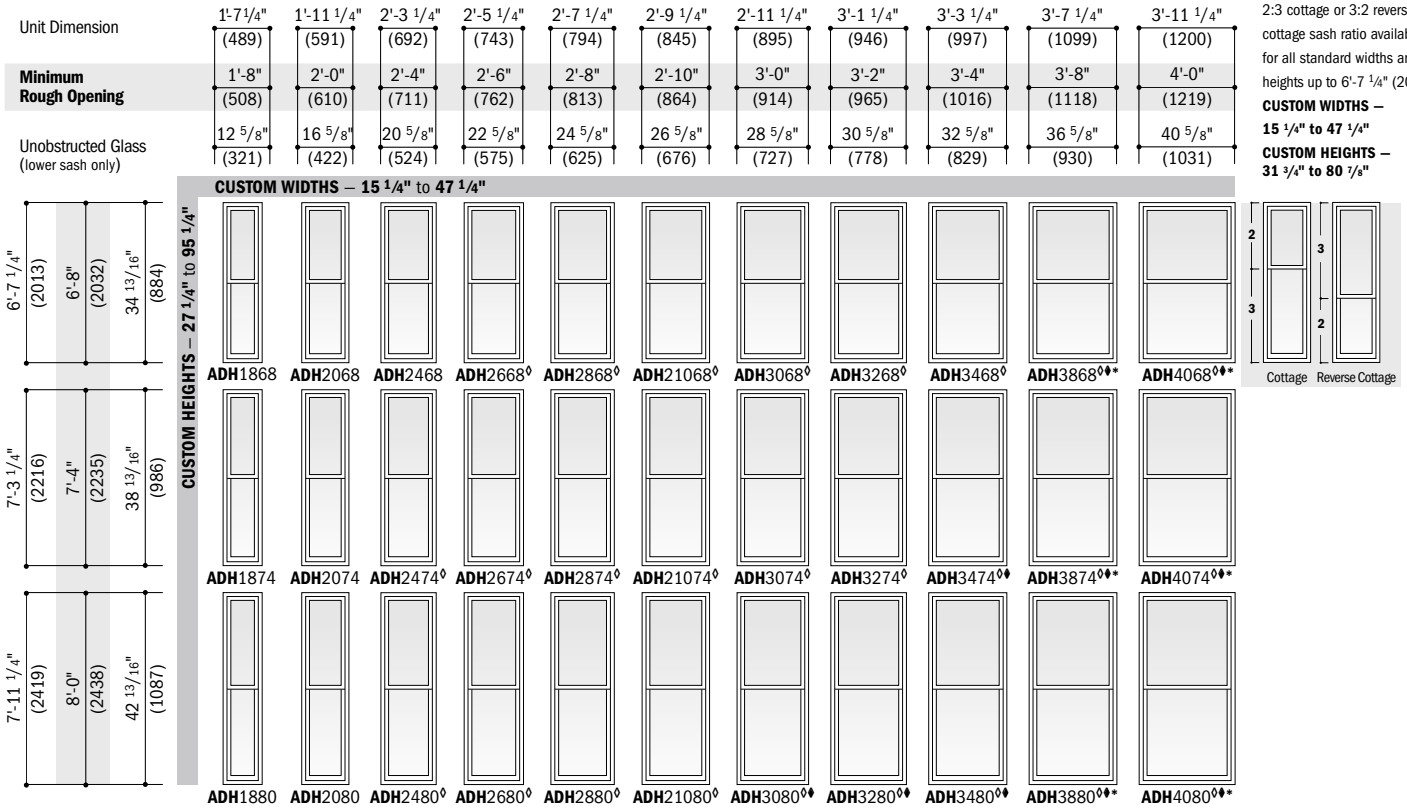
CUSTOM HEIGHTS – 31 3/4" to 80 7/8"



continued on next page

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

Scale 1/8" (3) = 1'-0" (305) – 1:96



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 7/8"

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 m², 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^2)	Clear Opening in Full Open Position Width Inches/(mm)	Clear Opening in Full Open Position Height Inches/(mm)	Glass Area Sq. Ft./(m^2)	Vent Area Sq. Ft./(m^2)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./(m^2)
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)

• "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^2, clear opening width of 20" (508) and clear opening height of 24" (610).
*Dimension varies depending on header height.

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For cottage and reverse cottage sash opening specifications, visit **andersenwindows.com/openingspecs**.

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

Window Number	Clear Opening Area Sq. Ft./(m²)	Clear Opening in Full Open Position Width Inches/(mm)	Clear Opening in Full Open Position Height Inches/(mm)	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)
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)

• "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).
*Dimension varies depending on header height.

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For cottage and reverse cottage sash opening specifications, visit **andersenwindows.com/openingspecs**.

DOUBLE-HUNG WINDOWS

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

Window Number	Clear Opening Area Sq. Ft./(m^2)	Clear Opening in Full Open Position Width Inches/(mm)	Clear Opening in Full Open Position Height Inches/(mm)	Glass Area Sq. Ft./(m^2)	Vent Area Sq. Ft./(m^2)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./(m^2)
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)

- "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.

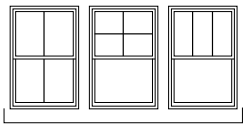
◊Meet or exceed clear opening area of 5.7 sq.ft. or 0.53 m^2, clear opening width of 20" (508) and clear opening height of 24" (610).

*Dimension varies depending on header height.

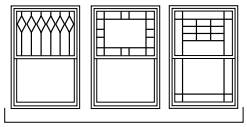
For cottage and reverse cottage sash opening specifications, visit **andersenwindows.com/openingspecs**.

Grille Patterns

	Diamond	Prairie A	6-Light Prairie	Colonial
Double-Hung	Equal Sash	Equal Sash, Cottage Sash	Equal Sash, Cottage Sash	Equal Sash, Cottage Sash



Specified Equal Light Examples

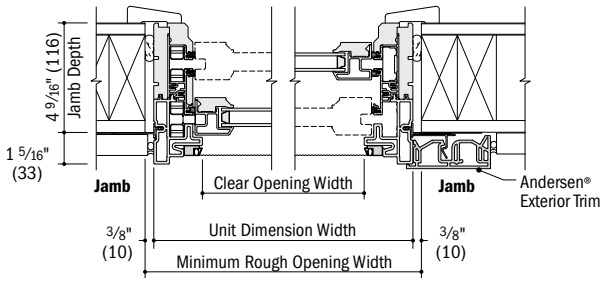


Custom Pattern Examples

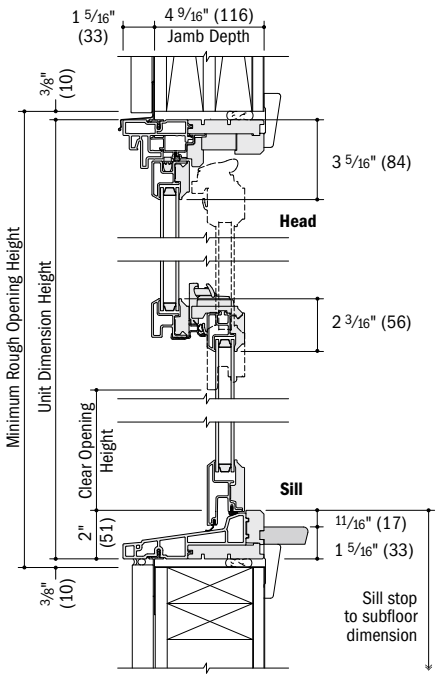
Double-hung window patterns are also available in Upper Sash Only (USO) configurations. For picture window patterns that require alignment with double-hung patterns, identify the double-hung sash style (equal, cottage, reverse cottage) when ordering. **Number of lights and overall pattern varies with 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**.

Double-Hung Window Details

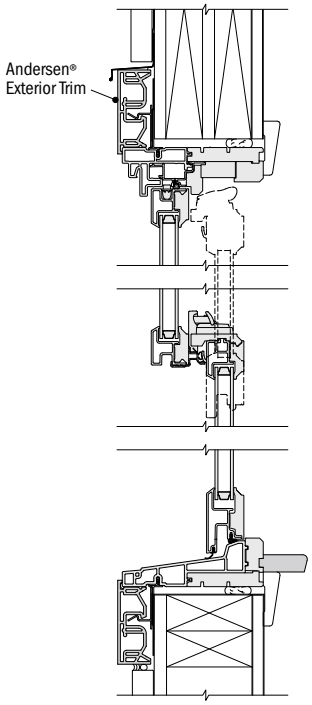
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



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.

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" (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 WIDTHS – 15 1/4" to **95 1/4"**

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

1'-11 1/4" (591)	**APW**1420	**APW**1820	**APW**2020	**APW**2420	**APW**2620	**APW**2820	**APW**21020	**APW**3020	**APW**3220	**APW**3420	**APW**3820	**APW** 4020
2'-3 1/4" (692)	**APW**1424	**APW**1824	**APW**2024	**APW**2424	**APW**2624	**APW**2824	**APW**21024	**APW**3024	**APW**3224	**APW**3424	**APW**3824	**APW**4024
2'-7 1/4" (794)	**APW**1428	**APW**1828	**APW**2028	**APW**2428	**APW**2628	**APW**2828	**APW**21028	**APW**3028	**APW**3228	**APW**3428	**APW**3828	**APW**4028
2'-11 1/4" (895)	**APW**1430	**APW**1830	**APW**2030	**APW**2430	**APW**2630	**APW**2830	**APW**21030	**APW**3030	**APW**3230	**APW**3430	**APW**3830	**APW**4030
3'-3 1/4" (997)	**APW**1434	**APW**1834	**APW**2034	**APW**2434	**APW**2634	**APW**2834	**APW**21034	**APW**3034	**APW**3234	**APW**3434	**APW**3834	**APW**4034
3'-7 1/4" (1099)	**APW**1438	**APW**1838	**APW**2038	**APW**2438	**APW**2638	**APW**2838	**APW**21038	**APW**3038	**APW**3238	**APW**3438	**APW**3838	**APW**4038
3'-11 1/4" (1200)	**APW**1440	**APW**1840	**APW**2040	**APW**2440	**APW**2640	**APW**2840	**APW**21040	**APW**3040	**APW**3240	**APW**3440	**APW**3840	**APW**4040
4'-3 1/4" (1302)	**APW**1444	**APW**1844	**APW**2044	**APW**2444	**APW**2644	**APW**2844	**APW**21044	**APW**3044	**APW**3244	**APW**3444	**APW**3844	**APW**4044
4'-7 1/4" (1403)	**APW**1448	**APW**1848	**APW**2048	**APW**2448	**APW**2648	**APW**2848	**APW**21048	**APW**3048	**APW**3248	**APW**3448	**APW**3848	**APW**4048
4'-11 1/4" (1505)	**APW**1450	**APW**1850	**APW**2050	**APW**2450	**APW**2650	**APW**2850	**APW**21050	**APW**3050	**APW**3250	**APW**3450	**APW**3850	**APW**4050
5'-3 1/4" (1607)	**APW**1454	**APW**1854	**APW**2054	**APW**2454	**APW**2654	**APW**2854	**APW**21054	**APW**3054	**APW**3254	**APW**3454	**APW**3854	**APW**4054
5'-7 1/4" (1708)	**APW**1458	**APW**1858	**APW**2058	**APW**2458	**APW**2658	**APW**2858	**APW**21058	**APW**3058	**APW**3258	**APW**3458	**APW**3858	**APW**4058
5'-11 1/4" (1810)	**APW**1460	**APW**1860	**APW**2060	**APW**2460	**APW**2660	**APW**2860	**APW**21060	**APW**3060	**APW**3260	**APW**3460	**APW**3860	**APW**4060

	15 13/16" (401)	19 13/16" (503)	23 13/16" (604)	27 13/16" (706)	31 13/16" (808)	35 13/16" (910)	39 13/16" (1011)	43 13/16" (1113)	47 13/16" (1214)	51 13/16" (1316)	55 13/16" (1418)	59 13/16" (1519)	63 13/16" (1621)
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'-11 1/4" (895)				3'-0" (914)									
3'-3 1/4" (997)					3'-4" (1016)								
3'-7 1/4" (1099)						3'-8" (1118)							
3'-11 1/4" (1200)							4'-0" (1219)						
4'-3 1/4" (1302)								4'-4" (1321)					
4'-7 1/4" (1403)									4'-8" (1422)				
4'-11 1/4" (1505)										5'-0" (1524)			
5'-3 1/4" (1607)											5'-4" (1626)		
5'-7 1/4" (1708)												5'-8" (1727)	
5'-11 1/4" (1810)													6'-0" (1829)

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	**APW**4820	**APW**5020	**APW**5420	**APW**5820	**APW**6020	**APW**6420
APW4424	**APW**4824	**APW**5024	**APW**5424	**APW**5824	**APW**6024	**APW**6424
APW4428	**APW**4828	**APW**5028	**APW**5428	**APW**5828	**APW**6028	**APW**6428
APW4430	**APW**4830	**APW**5030	**APW**5430	**APW**5830	**APW**6030	**APW**6430
APW4434	**APW**4834	**APW**5034	**APW**5434	**APW**5834	**APW**6034	**APW**6434
APW4438	**APW**4838	**APW**5038	**APW**5438	**APW**5838	**APW**6038	**APW**6438
APW4440	**APW**4840	**APW**5040	**APW**5440	**APW**5840	**APW**6040	**APW**6440
APW4444	**APW**4844	**APW**5044	**APW**5444	**APW**5844	**APW**6044	**APW**6444
APW4448	**APW**4848	**APW**5048	**APW**5448	**APW**5848	**APW**6048	**APW**6448
APW4450	**APW**4850	**APW**5050	**APW**5450	**APW**5850	**APW**6050	**APW**6450
APW4454	**APW**4854	**APW**5054	**APW**5454	**APW**5854	**APW**6054	**APW**6454
APW4458	**APW**4858	**APW**5058	**APW**5458	**APW**5858	**APW**6058	**APW**6458
APW4460	**APW**4860	**APW**5060	**APW**5460	**APW**5860	**APW**6060	**APW**6460

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.

A-Series Picture 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.

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)
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)

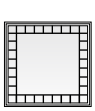
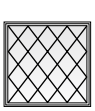
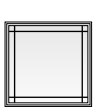
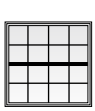
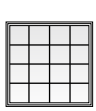
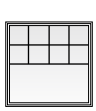
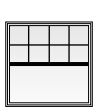
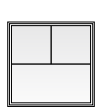
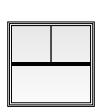
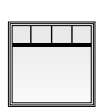
CUSTOM WIDTHS – 15 1/4" to **95 1/4"**

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

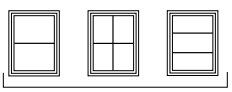
6'-3 1/4" (1911)	**APW**1464	**APW**1864	**APW**2064	**APW**2464	**APW**2664	**APW**2864	**APW**21064	**APW**3064	**APW**3264	**APW**3464	**APW**3864	**APW**4064
6'-4" (1930)												
67 13/16" (1722)												
6'-7 1/4" (2013)	**APW**1468	**APW**1868	**APW**2068	**APW**2468	**APW**2668	**APW**2868	**APW**21068	**APW**3068	**APW**3268	**APW**3468	**APW**3868	**APW**4068
6'-8" (2032)												
71 13/16" (1824)												
7'-3 1/4" (2216)	**APW**1474	**APW**1874	**APW**2074	**APW**2474	**APW**2674	**APW**2874	**APW**21074	**APW**3074	**APW**3274	**APW**3474	**APW**3874	**APW**4074
7'-4" (2235)												
79 13/16" (2027)												
7'-11 1/4" (2419)	**APW**1480	**APW**1880	**APW**2080	**APW**2480	**APW**2680	**APW**2880	**APW**21080	**APW**3080	**APW**3280	**APW**3480	**APW**3880	**APW**4080
8'-0" (2438)												
87 13/16" (2230)												

- "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.

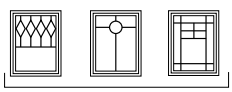
Grille Patterns

	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
Picture											

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



Specified Equal Light Examples



Custom Pattern Examples

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**.

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)



APW4464 **APW**4864 **APW**5064 **APW**5464 **APW**5864 **APW**6064

APW4468 **APW**4868 **APW**5068 **APW**5468 **APW**5868 **APW**6068

APW4474 **APW**4874 **APW**5074 **APW**5474 **APW**5874* **APW**6074*

APW4480 **APW**4880 **APW**5080* **APW**5480* **APW**5880* **APW**6080*

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)*

Scale 1/8" (3) = 1'-0" (305) – 1:96

Picture sizes on pages 48-52.

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)
Minimum Rough Opening	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)

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

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

1'-11 1/4" (591)	2'-0" (610)	15 13/16" (401)	**APW**6820	**APW**7020	**APW**7420	**APW**7820	**APW**8020
2'-3 1/4" (692)	2'-4" (711)	19 13/16" (503)	**APW**6824	**APW**7024	**APW**7424	**APW**7824	**APW**8024
2'-7 1/4" (794)	2'-8" (813)	23 13/16" (604)	**APW**6828	**APW**7028	**APW**7428	**APW**7828	**APW**8028
2'-11 1/4" (895)	3'-0" (914)	27 13/16" (706)	**APW**6830	**APW**7030	**APW**7430	**APW**7830	**APW**8030
3'-3 1/4" (997)	3'-4" (1016)	31 13/16" (808)	**APW**6834	**APW**7034	**APW**7434	**APW**7834	**APW**8034
3'-7 1/4" (1099)	3'-8" (1118)	35 13/16" (910)	**APW**6838	**APW**7038	**APW**7438	**APW**7838	**APW**8038
3'-11 1/4" (1200)	4'-0" (1219)	39 13/16" (1011)	**APW**6840	**APW**7040	**APW**7440	**APW**7840	**APW**8040
4'-3 1/4" (1302)	4'-4" (1321)	43 13/16" (1113)	**APW**6844	**APW**7044	**APW**7444	**APW**7844	**APW**8044
4'-7 1/4" (1403)	4'-8" (1422)	47 13/16" (1214)	**APW**6848	**APW**7048	**APW**7448	**APW**7848	**APW**8048
4'-11 1/4" (1505)	5'-0" (1524)	51 13/16" (1316)	**APW**6850	**APW**7050	**APW**7450	**APW**7850	**APW**8050*
5'-3 1/4" (1607)	5'-4" (1626)	55 13/16" (1418)	**APW**6854	**APW**7054	**APW**7454	**APW**7854*	**APW**8054*
5'-7 1/4" (1708)	5'-8" (1727)	59 13/16" (1519)	**APW**6858	**APW**7058	**APW**7458*	**APW**7858*	**APW**8058*
5'-11 1/4" (1810)	6'-0" (1829)	63 13/16" (1621)	**APW**6860	**APW**7060*	**APW**7460*	**APW**7860*	**APW**8060*

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./(m²)		Overall Window Area Sq. Ft./(m²)	
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./(m²)		Overall Window Area Sq. Ft./(m²)	
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./(m²)		Overall Window Area Sq. Ft./(m²)	
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

PICTURE WINDOWS

Picture Window Area Specifications *(continued)*

Window Number	Glass Area Sq. Ft./(m²)		Overall Window Area Sq. Ft./(m²)	
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./(m²)		Overall Window Area Sq. Ft./(m²)	
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./(m²)		Overall Window Area Sq. Ft./(m²)	
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

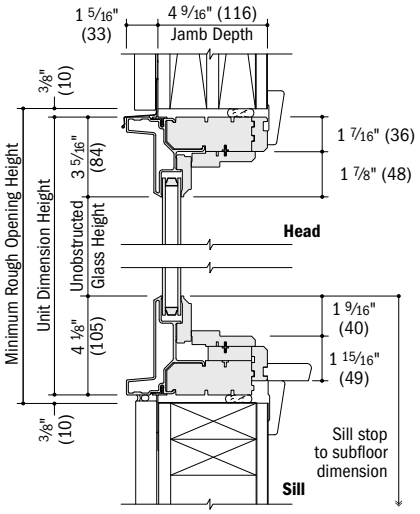
Picture Window Area Specifications *(continued)*

Window Number	Glass Area Sq. Ft./(m²)		Overall Window Area Sq. Ft./(m²)	
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)

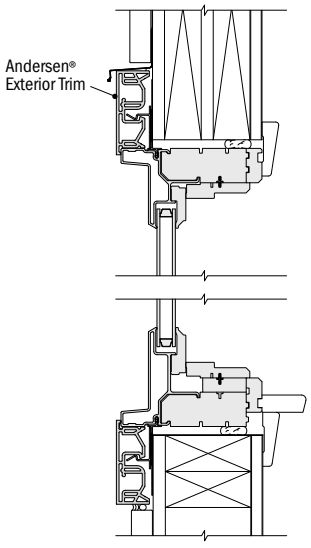
• Dimensions in parentheses are in square meters.

Picture Window Details

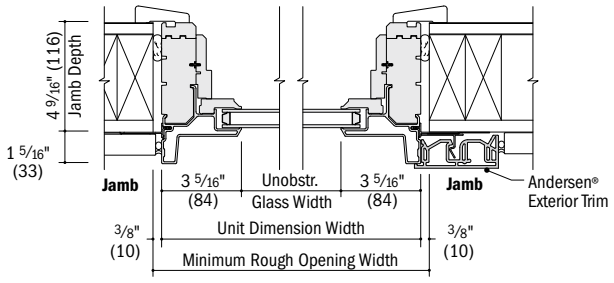
Scale 1½" (38) = 1'-0" (305) – 1:8



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 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 ⅛" (3) = 1'-0" (305) — 1:96

Notes on the next page also apply to this page.

Unit 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 WIDTHS — fixed **15 1/4"** to **95 1/4"**

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

CUSTOM SIZES AVAILABLE — venting

11 1/4" (286)	ATF1410	ATF1810	ATF2010	ATF2410	ATF2610	ATF2810	ATF21010	ATF3010	ATF3210	ATF3410	ATF3810	ATF4010
1'-0" (305)												
4 5/8" (117)												
1'-3 1/4" (387)	ATF1414	ATF1814	ATF2014	ATF2414	ATF2614	ATF2814	ATF21014	ATF3014	ATF3214	ATF3414	ATF3814	ATF4014
1'-4" (406)		ATV1814	ATV2014	ATV2414	ATV2614	ATV2814	ATV21014	ATV3014	ATV3214	ATV3414	ATV3814	ATV4014
8 5/8" (219)												
1'-5 1/4" (438)	ATF1416	ATF1816	ATF2016	ATF2416	ATF2616	ATF2816	ATF21016	ATF3016	ATF3216	ATF3416	ATF3816	ATF4016
1'-6" (457)		ATV1816	ATV2016	ATV2416	ATV2616	ATV2816	ATV21016	ATV3016	ATV3216	ATV3416	ATV3816	ATV4016
10 5/8" (270)												
1'-7 1/4" (489)	ATF1418	ATF1818	ATF2018	ATF2418	ATF2618	ATF2818	ATF21018	ATF3018	ATF3218	ATF3418	ATF3818	ATF4018
1'-8" (508)		ATV1818	ATV2018	ATV2418	ATV2618	ATV2818	ATV21018	ATV3018	ATV3218	ATV3418	ATV3818	ATV4018
12 5/8" (321)												
1'-9 1/4" (540)	ATF14110	ATF18110	ATF20110	ATF24110	ATF26110	ATF28110	ATF210110	ATF30110	ATF32110	ATF34110	ATF38110	ATF40110
1'-10" (559)		ATV18110	ATV20110	ATV24110	ATV26110	ATV28110	ATV210110	ATV30110	ATV32110	ATV34110	ATV38110	ATV40110
14 5/8" (371)												
1'-11 1/4" (591)	ATF1420	ATF1820	ATF2020	ATF2420	ATF2620	ATF2820	ATF21020	ATF3020	ATF3220	ATF3420	ATF3820	ATF4020
2'-0" (610)		ATV1820	ATV2020	ATV2420	ATV2620	ATV2820	ATV21020	ATV3020	ATV3220	ATV3420	ATV3820	ATV4020
16 5/8" (422)												
2'-1 1/4" (641)	ATF1422	ATF1822	ATF2022	ATF2422	ATF2622	ATF2822	ATF21022	ATF3022	ATF3222	ATF3422	ATF3822	ATF4022
2'-2" (660)		ATV1822	ATV2022	ATV2422	ATV2622	ATV2822	ATV21022	ATV3022	ATV3222	ATV3422	ATV3822	ATV4022
18 5/8" (473)												
2'-3 1/4" (692)	ATF1424	ATF1824	ATF2024	ATF2424	ATF2624	ATF2824	ATF21024	ATF3024	ATF3224	ATF3424	ATF3824	ATF4024
2'-4" (711)		ATV1824	ATV2024	ATV2424	ATV2624	ATV2824	ATV21024	ATV3024	ATV3224	ATV3424	ATV3824	ATV4024
20 5/8" (524)												
2'-5 1/4" (743)	ATF1426	ATF1826	ATF2026	ATF2426	ATF2626	ATF2826	ATF21026	ATF3026	ATF3226	ATF3426	ATF3826	ATF4026
2'-6" (762)		ATV1826	ATV2026	ATV2426	ATV2626	ATV2826	ATV21026	ATV3026	ATV3226	ATV3426	ATV3826	ATV4026
22 5/8" (575)												
2'-7 1/4" (794)	ATF1428	ATF1828	ATF2028	ATF2428	ATF2628	ATF2828	ATF21028	ATF3028	ATF3228	ATF3428	ATF3828	ATF4028
2'-8" (813)		ATV1828	ATV2028	ATV2428	ATV2628	ATV2828	ATV21028	ATV3028	ATV3228	ATV3428	ATV3828	ATV4028
24 5/8" (625)												

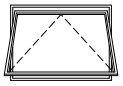
Transom sizes on pages 56-60.

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	**ATF**4810	**ATF**5010	**ATF**5410	**ATF**5810	**ATF**6010
ATF4414	**ATF**4814	**ATF**5014	**ATF**5414	**ATF**5814	**ATF**6014
ATV4414	**ATV**4814	**ATV**5014	**ATV**5414	**ATV**5814	**ATV**6014
ATF4416	**ATF**4816	**ATF**5016	**ATF**5416	**ATF**5816	**ATF**6016
ATV4416	**ATV**4816	**ATV**5016	**ATV**5416	**ATV**5816	**ATV**6016
ATF4418	**ATF**4818	**ATF**5018	**ATF**5418	**ATF**5818	**ATF**6018
ATV4418	**ATV**4818	**ATV**5018	**ATV**5418	**ATV**5818	**ATV**6018
ATF44110	**ATF**48110	**ATF**50110	**ATF**54110	**ATF**58110	**ATF**60110
ATV44110	**ATV**48110	**ATV**50110	**ATV**54110	**ATV**58110	**ATV**60110
ATF4420	**ATF**4820	**ATF**5020	**ATF**5420	**ATF**5820	**ATF**6020
ATV4420	**ATV**4820	**ATV**5020	**ATV**5420	**ATV**5820	**ATV**6020
ATF4422	**ATF**4822	**ATF**5022	**ATF**5422	**ATF**5822	**ATF**6022
ATV4422	**ATV**4822	**ATV**5022	**ATV**5422	**ATV**5822	**ATV**6022
ATF4424	**ATF**4824	**ATF**5024	**ATF**5424	**ATF**5824	**ATF**6024
ATV4424	**ATV**4824	**ATV**5024	**ATV**5424	**ATV**5824	**ATV**6024
ATF4426	**ATF**4826	**ATF**5026	**ATF**5426	**ATF**5826	**ATF**6026
ATV4426	**ATV**4826	**ATV**5026	**ATV**5426	**ATV**5826	**ATV**6026
ATF4428	**ATF**4828	**ATF**5028	**ATF**5428	**ATF**5828	**ATF**6028
ATV4428	**ATV**4828	**ATV**5028	**ATV**5428	**ATV**5828	**ATV**6028

continued on next page



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.

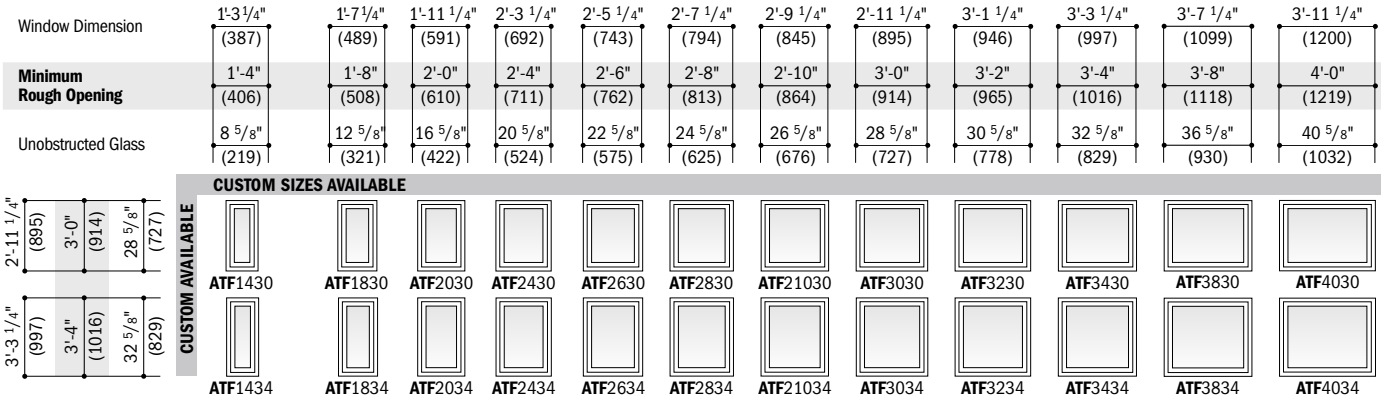
- "Window Dimension" always refers to outside frame to frame dimension.
- **"Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.**
- Dimensions in parentheses are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

TRANSOM WINDOWS

Table of Transom Window Sizes *(continued)*

Notes on the next page also apply to this page.

Scale ⅛" (3) = 1'-0" (305) – 1:96



Venting Transom Window Opening and Area Specifications

Window Number	Clear Opening Sq. Ft./(m²)		Clear Opening in Full Open Position Width Inches/(mm)		Clear Opening in Full Open Position Depth Inches/(mm)		Glass Area Sq. Ft./(m²)		Vent Sq. Ft./(m²)		Top of Subfloor to Top of Inside Sill Stop Inches/(mm)		Overall Window Area Sq. Ft./(m²)	
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)

• "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

Window Number	Glass Area Sq. Ft./(m²)		Overall Window Area Sq. Ft./(m²)	
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.

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Transom sizes on pages 56-60.



- "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./(m²)	Clear Opening in Full Open Position Width Inches/(mm)	Depth Inches/(mm)	Glass Area Sq. Ft./(m²)	Vent Sq. Ft./(m²)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./(m²)
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" (1538)	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" (1538)	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./(m²)	Overall Window Area Sq. Ft./(m²)
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.

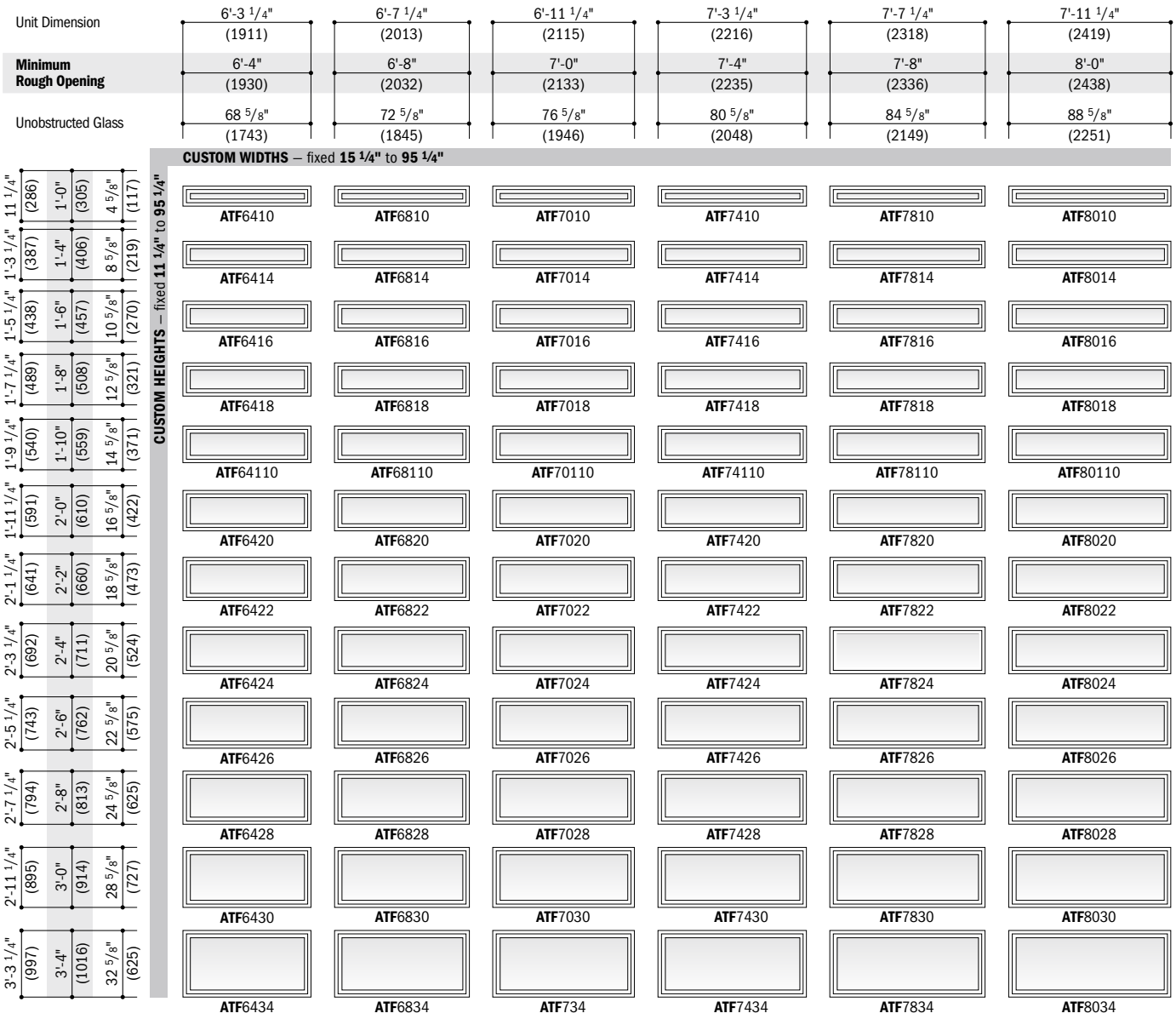
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TRANSOM WINDOWS

Table of Transom Window Sizes *(continued)*

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

Scale ⅛" (3) = 1'-0" (305) – 1:96



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

Window Number	Clear Opening Sq. Ft./(m²)	Clear Opening in Full Open Position Width Inches/(mm)	Clear Opening in Full Open Position Depth Inches/(mm)	Glass Area Sq. Ft./(m²)	Vent Sq. Ft./(m²)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./(m²)
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.

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Fixed Transom Window Area Specifications *(continued)*

Window Number	Glass Area Sq. Ft./(m²)	Overall Window Area Sq. Ft./(m²)
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.

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

Window Number	Clear Opening Sq. Ft./(m²)	Clear Opening in Full Open Position: Width Inches/(mm)	Clear Opening in Full Open Position: Depth Inches/(mm)	Glass Area Sq. Ft./(m²)	Vent Sq. Ft./(m²)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./(m²)
ATV3422	1.40 (0.13)	34 5/16" (871)	5 7/8" (150)	4.21 (0.39)	1.40 (0.13)	59 1/2" (1510)	6.88 (0.64)
ATV3822	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	4.73 (0.44)	1.57 (0.15)	59 1/2" (1510)	7.58 (0.70)
ATV4022	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	5.24 (0.49)	1.73 (0.16)	59 1/2" (1510)	8.29 (0.77)
ATV4422	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	5.76 (0.54)	1.90 (0.18)	59 1/2" (1510)	8.99 (0.83)
ATV4822	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	6.28 (0.58)	2.06 (0.19)	59 1/2" (1510)	9.69 (0.90)
ATV5022	2.22 (0.21)	54 5/16" (1379)	5 7/8" (150)	6.79 (0.63)	2.22 (0.21)	59 1/2" (1510)	10.39 (0.97)
ATV5422	2.39 (0.22)	58 5/16" (1481)	5 7/8" (150)	7.31 (0.68)	2.39 (0.22)	59 1/2" (1510)	11.09 (1.03)
ATV5822	2.55 (0.24)	62 5/16" (1538)	5 7/8" (150)	7.83 (0.73)	2.55 (0.24)	59 1/2" (1510)	11.79 (1.10)
ATV6022	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	8.34 (0.78)	2.71 (0.25)	59 1/2" (1510)	12.49 (1.16)
ATV1824	0.59 (0.05)	14 5/16" (363)	5 7/8" (150)	1.80 (0.17)	0.59 (0.05)	57 1/2" (1460)	3.64 (0.34)
ATV2024	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	2.38 (0.22)	0.75 (0.07)	57 1/2" (1460)	4.40 (0.41)
ATV2424	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	2.95 (0.27)	0.91 (0.08)	57 1/2" (1460)	5.16 (0.48)
ATV2624	0.99 (0.09)	24 5/16" (617)	5 7/8" (150)	3.23 (0.30)	0.99 (0.09)	57 1/2" (1460)	5.54 (0.51)
ATV2824	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	3.52 (0.33)	1.08 (0.10)	57 1/2" (1460)	5.91 (0.55)
ATV21024	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	3.81 (0.35)	1.16 (0.11)	57 1/2" (1460)	6.29 (0.58)
ATV3024	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	4.09 (0.38)	1.24 (0.12)	57 1/2" (1460)	6.67 (0.62)
ATV3224	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	4.38 (0.41)	1.32 (0.12)	57 1/2" (1460)	7.05 (0.65)
ATV3424	1.40 (0.13)	34 5/16" (871)	5 7/8" (150)	4.66 (0.43)	1.40 (0.13)	57 1/2" (1460)	7.43 (0.69)
ATV3824	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	5.24 (0.49)	1.57 (0.15)	57 1/2" (1460)	8.18 (0.76)
ATV4034	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	5.81 (0.54)	1.73 (0.16)	57 1/2" (1460)	8.94 (0.83)
ATV4424	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	6.38 (0.59)	1.90 (0.18)	57 1/2" (1460)	9.70 (0.90)
ATV4824	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	6.95 (0.65)	2.06 (0.19)	57 1/2" (1460)	10.46 (0.97)
ATV5024	2.22 (0.21)	54 5/16" (1379)	5 7/8" (150)	7.53 (0.70)	2.22 (0.21)	57 1/2" (1460)	11.21 (1.04)
ATV5424	2.39 (0.22)	58 5/16" (1481)	5 7/8" (150)	8.10 (0.75)	2.39 (0.22)	57 1/2" (1460)	11.97 (1.11)
ATV5824	2.55 (0.24)	62 5/16" (1538)	5 7/8" (150)	8.67 (0.81)	2.55 (0.24)	57 1/2" (1460)	12.73 (1.18)
ATV6024	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	9.24 (0.86)	2.71 (0.25)	57 1/2" (1460)	13.48 (1.25)
ATV1826	0.59 (0.05)	14 5/16" (363)	5 7/8" (150)	1.98 (0.18)	0.59 (0.05)	55 1/2" (1409)	3.91 (0.36)
ATV2026	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	2.61 (0.24)	0.75 (0.07)	55 1/2" (1409)	4.72 (0.44)
ATV2226	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	3.23 (0.30)	0.91 (0.08)	55 1/2" (1409)	5.54 (0.51)
ATV2426	0.99 (0.09)	24 5/16" (617)	5 7/8" (150)	3.55 (0.33)	0.99 (0.09)	55 1/2" (1409)	5.94 (0.55)
ATV2626	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	3.86 (0.36)	1.08 (0.10)	55 1/2" (1409)	6.35 (0.59)
ATV2826	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	4.18 (0.39)	1.16 (0.11)	55 1/2" (1409)	6.75 (0.63)
ATV3026	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	4.49 (0.42)	1.24 (0.12)	55 1/2" (1409)	7.16 (0.67)
ATV3226	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	4.80 (0.45)	1.32 (0.12)	55 1/2" (1409)	7.57 (0.70)
ATV3426	1.40 (0.13)	34 5/16" (871)	5 7/8" (150)	5.12 (0.48)	1.40 (0.13)	55 1/2" (1409)	7.97 (0.74)
ATV3826	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	5.74 (0.53)	1.57 (0.15)	55 1/2" (1409)	8.79 (0.82)
ATV4026	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	6.37 (0.59)	1.73 (0.16)	55 1/2" (1409)	9.60 (0.89)
ATV4426	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	7.00 (0.65)	1.90 (0.18)	55 1/2" (1409)	10.41 (0.97)
ATV4826	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	7.63 (0.71)	2.06 (0.19)	55 1/2" (1409)	11.22 (1.04)
ATV5026	2.22 (0.21)	54 5/16" (1379)	5 7/8" (150)	8.26 (0.77)	2.22 (0.21)	55 1/2" (1409)	12.04 (1.12)
ATV5426	2.39 (0.22)	58 5/16" (1481)	5 7/8" (150)	8.88 (0.83)	2.39 (0.22)	55 1/2" (1409)	12.85 (1.19)
ATV5826	2.55 (0.24)	62 5/16" (1538)	5 7/8" (150)	9.55 (0.89)	2.55 (0.24)	55 1/2" (1409)	13.66 (1.27)
ATV6026	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	10.14 (0.94)	2.71 (0.25)	55 1/2" (1409)	14.47 (1.34)
ATV1828	0.59 (0.05)	14 5/16" (363)	5 7/8" (150)	2.15 (0.20)	0.59 (0.05)	53 1/2" (1358)	4.18 (0.39)
ATV2028	0.75 (0.07)	18 5/16" (465)	5 7/8" (150)	2.84 (0.26)	0.75 (0.07)	53 1/2" (1358)	5.05 (0.47)
ATV2428	0.91 (0.08)	22 5/16" (567)	5 7/8" (150)	3.52 (0.33)	0.91 (0.08)	53 1/2" (1358)	5.91 (0.55)
ATV2628	0.99 (0.09)	24 5/16" (617)	5 7/8" (150)	3.86 (0.36)	0.99 (0.09)	53 1/2" (1358)	6.35 (0.59)
ATV2828	1.08 (0.10)	26 5/16" (668)	5 7/8" (150)	4.20 (0.39)	1.08 (0.10)	53 1/2" (1358)	6.78 (0.63)
ATV21028	1.16 (0.11)	28 5/16" (719)	5 7/8" (150)	4.54 (0.42)	1.16 (0.11)	53 1/2" (1358)	7.22 (0.67)
ATV3028	1.24 (0.12)	30 5/16" (770)	5 7/8" (150)	4.89 (0.45)	1.24 (0.12)	53 1/2" (1358)	7.56 (0.70)
ATV3228	1.32 (0.12)	32 5/16" (821)	5 7/8" (150)	5.23 (0.49)	1.32 (0.12)	53 1/2" (1358)	8.08 (0.75)
ATV3428	1.40 (0.13)	34 5/16" (871)	5 7/8" (150)	5.57 (0.52)	1.40 (0.13)	53 1/2" (1358)	8.52 (0.79)
ATV3828	1.57 (0.15)	38 5/16" (973)	5 7/8" (150)	6.25 (0.58)	1.57 (0.15)	53 1/2" (1358)	9.39 (0.87)
ATV4028	1.73 (0.16)	42 5/16" (1075)	5 7/8" (150)	6.94 (0.64)	1.73 (0.16)	53 1/2" (1358)	10.25 (0.95)
ATV4428	1.90 (0.18)	46 5/16" (1176)	5 7/8" (150)	7.62 (0.71)	1.90 (0.18)	53 1/2" (1358)	11.12 (1.03)
ATV4828	2.06 (0.19)	50 5/16" (1278)	5 7/8" (150)	8.30 (0.77)	2.06 (0.19)	53 1/2" (1358)	11.99 (1.11)
ATV5028	2.22 (0.21)	54 5/16" (1379)	5 7/8" (150)	8.99 (0.83)	2.22 (0.21)	53 1/2" (1358)	12.86 (1.19)
ATV5428	2.39 (0.22)	58 5/16" (1481)	5 7/8" (150)	9.67 (0.90)	2.39 (0.22)	53 1/2" (1358)	13.73 (1.28)
ATV5828	2.55 (0.24)	62 5/16" (1538)	5 7/8" (150)	10.35 (0.96)	2.55 (0.24)	53 1/2" (1358)	14.59 (1.36)
ATV6028	2.71 (0.25)	66 5/16" (1684)	5 7/8" (150)	11.04 (1.03)	2.71 (0.25)	53 1/2" (1358)	15.46 (1.44)

• "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.

Fixed Transom Window Area Specifications *(continued)*

Window Number	Glass Area Sq. Ft./(m²)	Overall Window Area Sq. Ft./(m²)
ATF3018	2.50 (0.23)	4.71 (0.44)
ATF30110	2.90 (0.27)	5.20 (0.48)
ATF3020	3.30 (0.31)	5.69 (0.53)
ATF3022	3.69 (0.34)	6.18 (0.57)
ATF3024	4.09 (0.38)	6.67 (0.62)
ATF3026	4.49 (0.42)	7.16 (0.67)
ATF3028	4.89 (0.45)	7.65 (0.71)
ATF3030	5.68 (0.53)	8.63 (0.80)
ATF3034	6.47 (0.60)	9.61 (0.89)
ATF3210	0.98 (0.09)	2.91 (0.27)
ATF3214	1.83 (0.17)	3.94 (0.37)
ATF3216	2.25 (0.21)	4.46 (0.41)
ATF3218	2.68 (0.25)	4.98 (0.46)
ATF32110	3.10 (0.29)	5.50 (0.51)
ATF3220	3.53 (0.33)	6.01 (0.56)
ATF3222	3.95 (0.37)	6.53 (0.61)
ATF3224	4.38 (0.41)	7.05 (0.65)
ATF3226	4.80 (0.45)	7.57 (0.70)
ATF3228	5.23 (0.49)	8.08 (0.75)
ATF3230	6.08 (0.56)	9.12 (0.85)
ATF3234	6.93 (0.64)	10.15 (0.94)
ATF3410	1.04 (0.10)	3.07 (0.28)
ATF3414	1.95 (0.18)	4.16 (0.39)
ATF3416	2.40 (0.22)	4.70 (0.44)
ATF3418	2.85 (0.26)	5.25 (0.49)
ATF34110	3.31 (0.31)	5.79 (0.54)
ATF3420	3.76 (0.35)	6.34 (0.59)
ATF3422	4.21 (0.39)	6.88 (0.64)
ATF3424	4.66 (0.43)	7.43 (0.69)
ATF3426	5.12 (0.48)	7.97 (0.74)
ATF3428	5.57 (0.52)	8.52 (0.79)
ATF3430	6.47 (0.60)	9.61 (0.89)
ATF3434	7.38 (0.69)	10.70 (0.99)
ATF3810	1.17 (0.11)	3.38 (0.31)
ATF3814	2.19 (0.20)	4.58 (0.43)
ATF3816	2.69 (0.25)	5.18 (0.48)
ATF3818	3.20 (0.30)	5.78 (0.54)
ATF38110	3.71 (0.34)	6.38 (0.59)
ATF3820	4.22 (0.39)	6.98 (0.65)
ATF3822	4.73 (0.44)	7.58 (0.70)
ATF3824	5.24 (0.49)	8.18 (0.76)
ATF3826	5.74 (0.53)	8.79 (0.82)
ATF3828	6.25 (0.58)	9.39 (0.87)
ATF3830	7.27 (0.68)	10.59 (0.98)
ATF3834	8.29 (0.77)	11.79 (1.10)
ATF4010	1.30 (0.12)	3.69 (0.34)
ATF4014	2.42 (0.23)	5.00 (0.46)
ATF4016	2.99 (0.28)	5.66 (0.53)
ATF4018	3.55 (0.33)	6.32 (0.59)
ATF40110	4.12 (0.38)	6.97 (0.65)
ATF4020	4.68 (0.43)	7.63 (0.71)
ATF4022	5.24 (0.49)	8.29 (0.77)
ATF4024	5.81 (0.54)	8.94 (0.83)
ATF4026	6.37 (0.59)	9.60 (0.89)
ATF4028	6.94 (0.64)	10.25 (0.95)
ATF4030	8.06 (0.75)	11.57 (1.07)
ATF4034	9.19 (0.85)	12.88 (1.20)
ATF4410	1.42 (0.13)	4.00 (0.37)

• Dimensions in parentheses are in square meters.

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TRANSOM WINDOWS

Fixed Transom Window Area Specifications *(continued)*

Window Number	Glass Area Sq. Ft./(m²)		Overall Window Area Sq. Ft./(m²)	
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	8.86	(0.82)	12.55	(1.17)
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./(m²)		Overall Window Area Sq. Ft./(m²)	
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./(m²)		Overall Window Area Sq. Ft./(m²)	
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	15.41	(1.43)	20.67	(1.92)
ATF8030	17.60	(1.64)	23.32	(2.17)
ATF8034	20.06	(1.86)	26.96	(2.50)

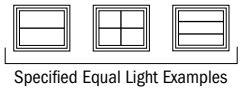
• Dimensions in parentheses are in square meters.

Grille Patterns

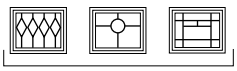
	Diamond	Prairie A	Colonial
Transom			

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**.



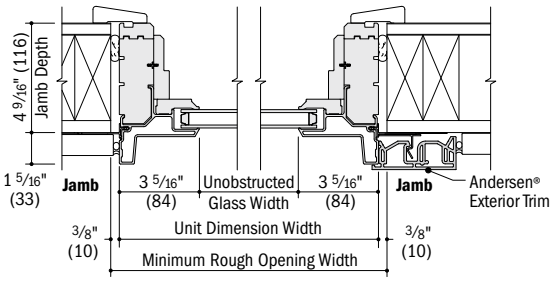
Specified Equal Light Examples



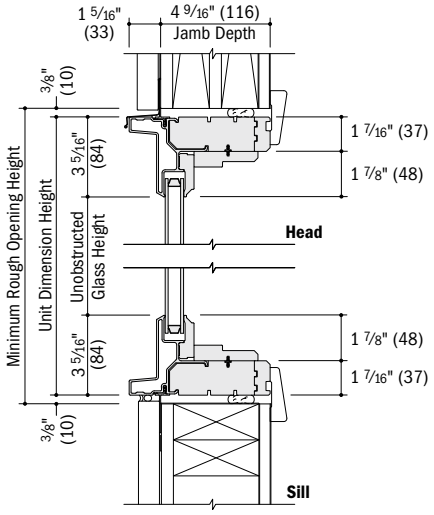
Custom Pattern Examples

Fixed Transom Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



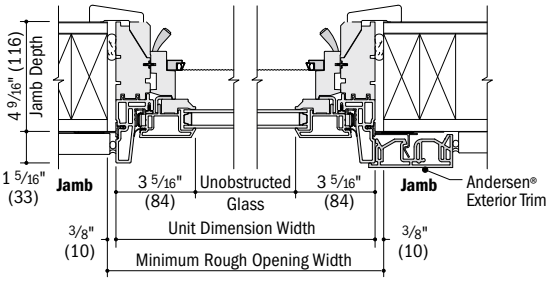
Horizontal Section



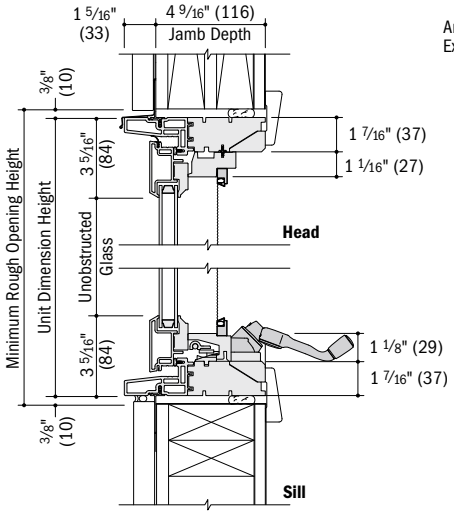
Vertical Section

Venting Transom Window Details

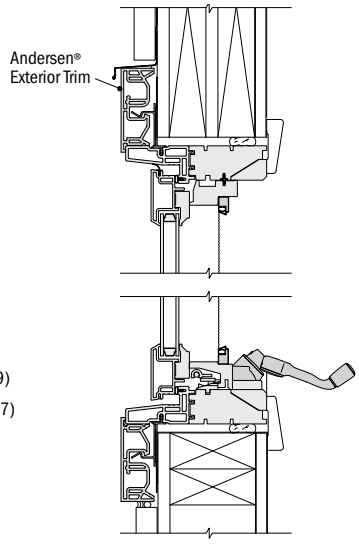
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Horizontal Section



Vertical Section



Vertical Section

A-Series Transom Windows

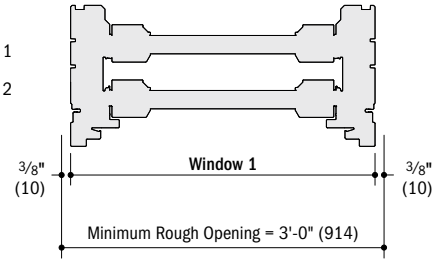
See pages 64-66 for horizontal and vertical joining details.

- 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.

Minimum Rough Opening Calculation Examples

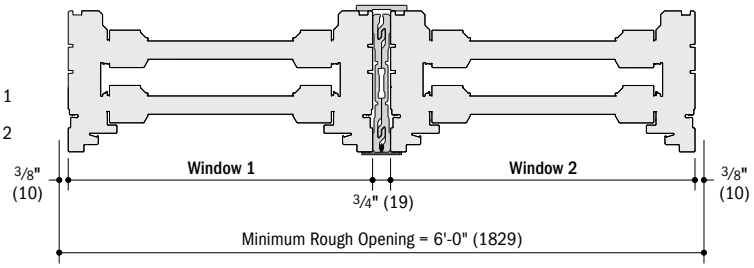
Single Window

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



Two Vertical Joined Windows

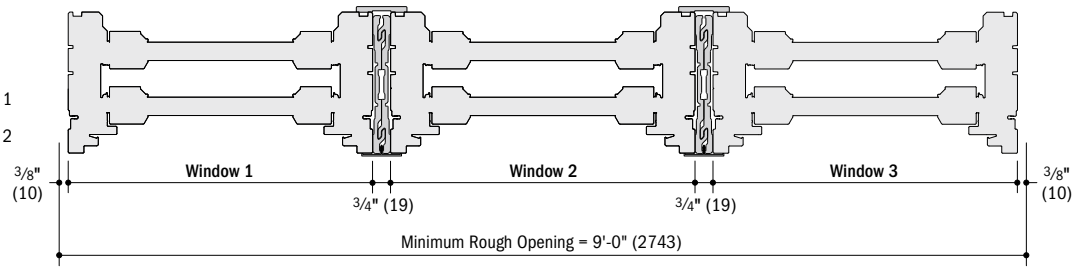
2'-11 1/4"	(895)	Width dimension, window 1
2'-11 1/4"	(895)	Width dimension, window 2
+ 3/8"	(10)	Rough opening clearance, side 1
+ 3/8"	(10)	Rough opening clearance, side 2
+ 3/4"	(19)	Fiberglass joining material
6'-0"	**(1829)**	**Total**



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.

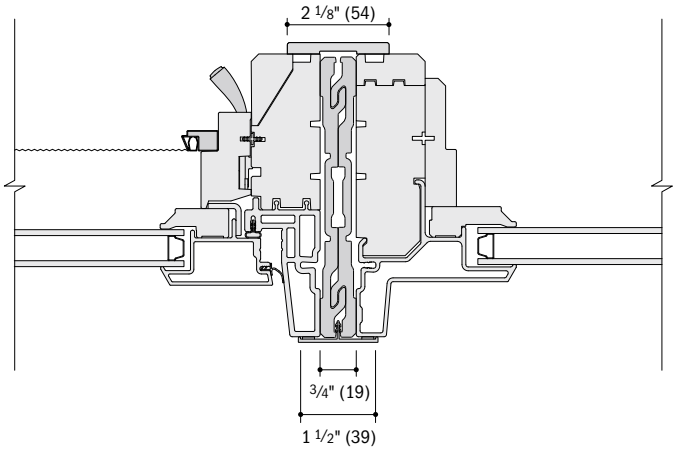
Vertical (ribbon) Joining Details

Scale 3" (76) = 1'-0" (305) – 1:4

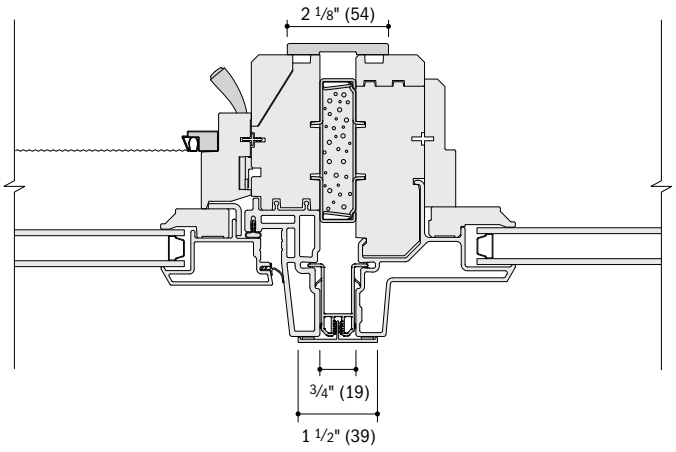
Windows can be joined to other windows using 4 9/16" (116) fiberglass or clip joining materials. See page 116 for specialty window joining details.

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).



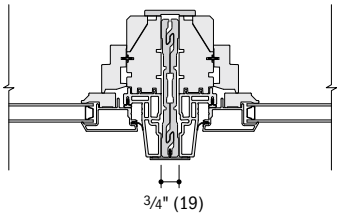
Casement to Picture
Fiberglass



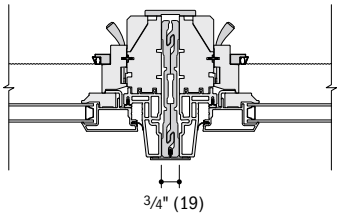
Casement to Picture
Clip

Vertical (ribbon) Fiberglass Joining Details

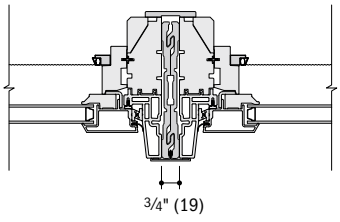
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



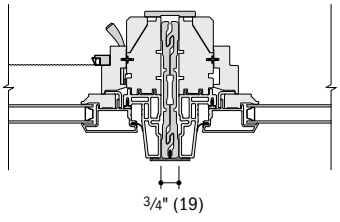
Casement to Casement
(stationary jamb to stationary jamb)



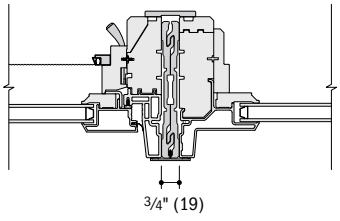
Casement to Casement
(lock jamb to lock jamb)



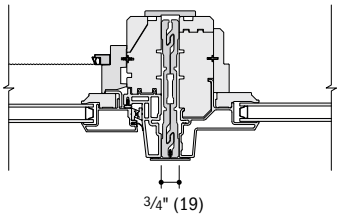
Casement to Casement
(hinge jamb to hinge jamb)



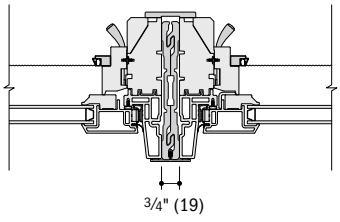
Casement to Casement
(lock jamb to stationary jamb)



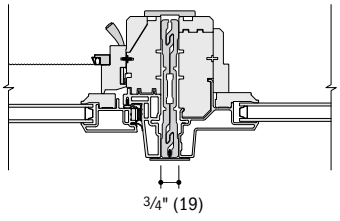
Casement to Picture
(casement lock jamb)



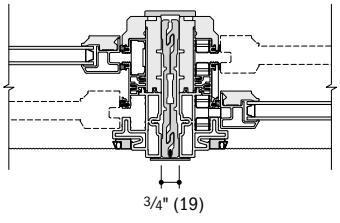
Casement to Picture
(casement hinge jamb)



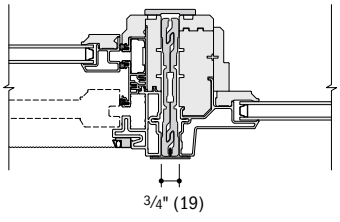
Awning to Awning



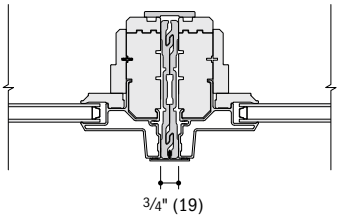
Awning to Picture



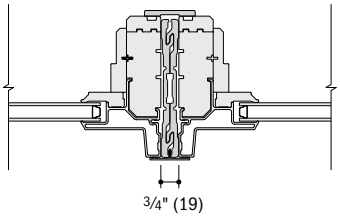
Double-Hung to Double-Hung



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.

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.

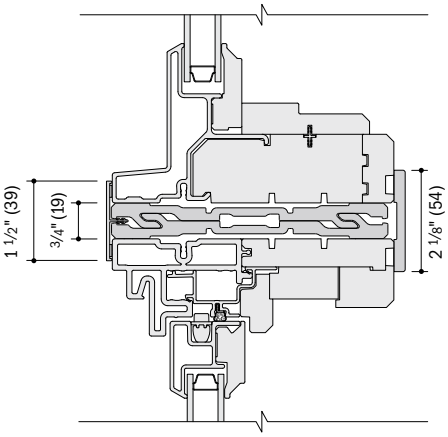
See page 116 for specialty window joining details.

Overall Window Dimension Height

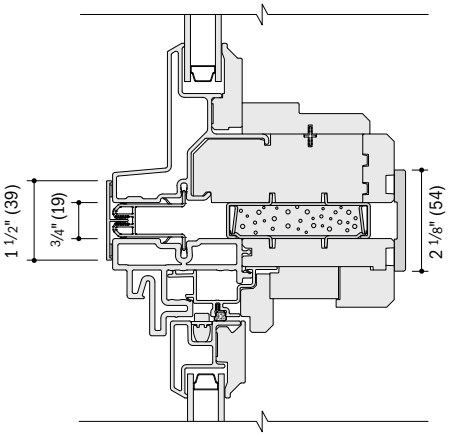
Sum of individual window heights plus 3/4" (19).

Overall Minimum Rough Opening Height

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



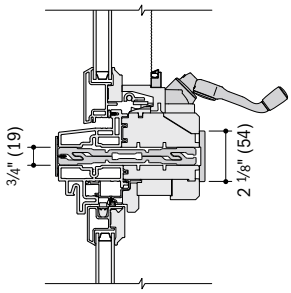
Fixed Transom over Double-Hung
Fiberglass



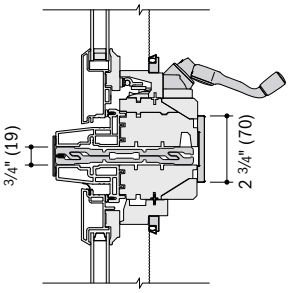
Fixed Transom over Double-Hung
Clip

Horizontal (stack) Fiberglass Joining Details

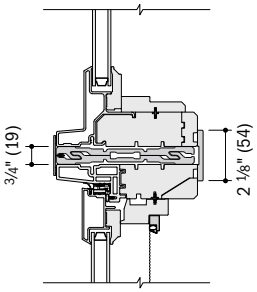
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



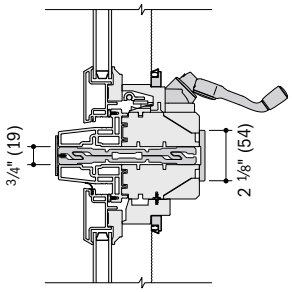
Venting Transom over Double-Hung



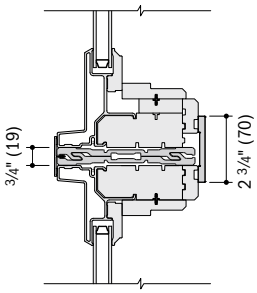
Awning/Casement over Awning/Casement



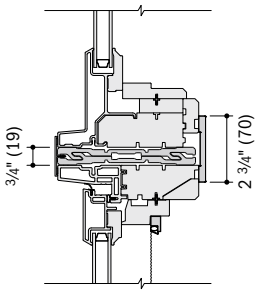
Fixed Transom over Awning/Casement



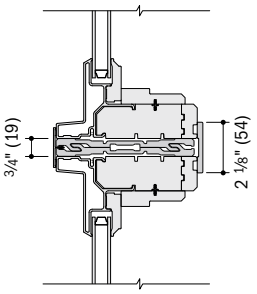
Venting Transom over Awning/Casement



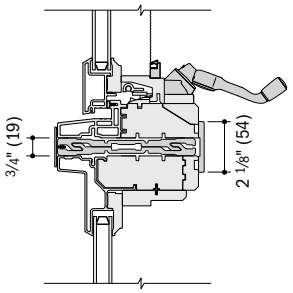
Picture over Picture



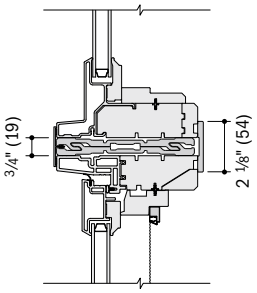
Picture over Awning/Casement



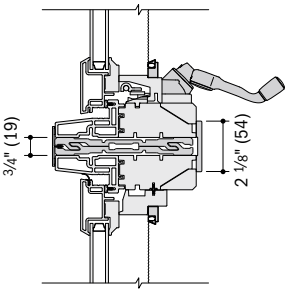
Fixed Transom over Picture



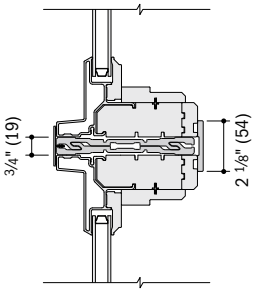
Venting Transom over Picture



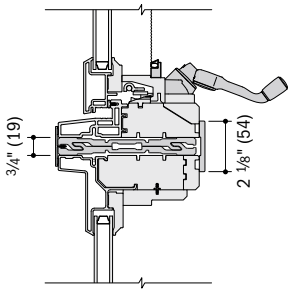
Fixed Transom over Venting Transom



Venting Transom over Venting Transom



Fixed Transom over Fixed Transom



Venting Transom over Fixed Transom

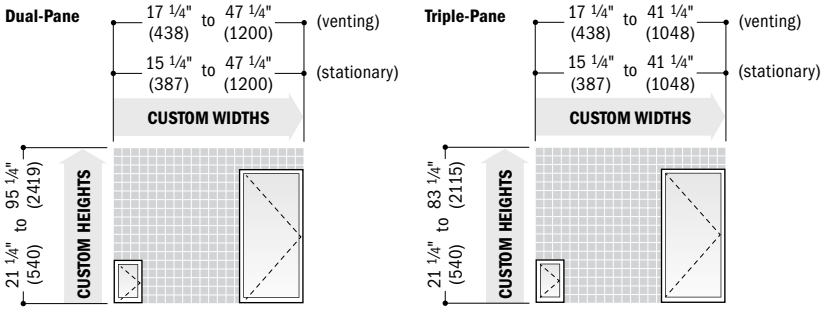
For more information on vertical or horizontal joining, refer to the combination designs section starting on page 206.

- 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.
- 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

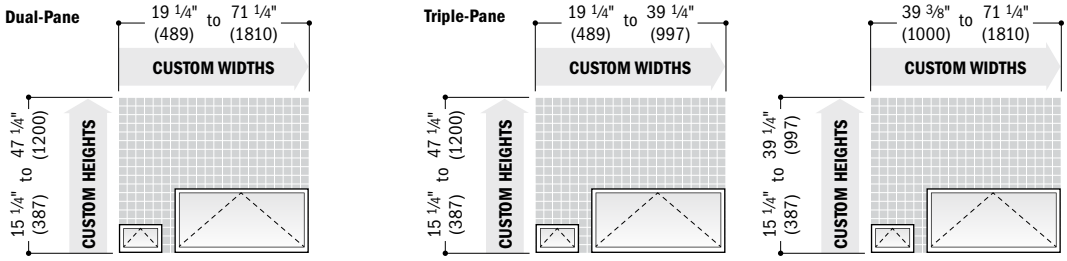


Required hinge type for casement windows is based on size and window performance. To determine which clear opening formula to use, first contact an Andersen representative to identify the required hinge type.

Clear Opening	**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*	**Minimum R.O.**	**Width** = window width + 3/4" (19) **Height** = window height + 3/4" (19)
Vent Opening	**Width** = window width − 6.54" (166) = window width − 5.65" (144)		**Unobstr. Glass**	**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 m², clear opening width of 20" (508) and clear opening height of 24"(610).

Awning Windows



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

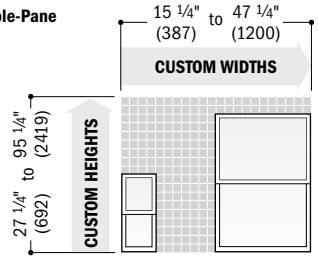
• Awning windows do not meet clear opening area of 5.7 sq.ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

• 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.

Double-Hung Windows

Equal Sash Ratio

Dual-Pane & Triple-Pane



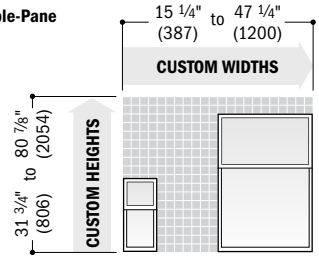
Clear Opening* 	**Width** = window width − 4.06" (103) **Height** = (window height ÷ 2) − 4.65" (118)	**Minimum R.O.** 	**Width** = window width + 3/4" (19) **Height** = window height + 3/4" (19)
Vent Opening* 	**Width** = window width − 4.06" (103) **Height** = (window height ÷ 2) − 3.84" (98)	**Unobstr. Glass** 	**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 m², 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.

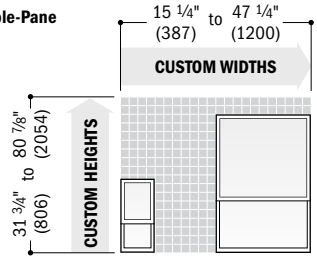
2:3 Cottage Sash Ratio

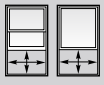
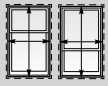
Dual-Pane & Triple-Pane



3:2 Reverse Cottage Sash Ratio

Dual-Pane & Triple-Pane



Clear Opening* 	**Width** = window width − 4.06" (103) **Height** = (window height − 4.18" (106)) x 0.4 − 2.01" (51)	**Minimum R.O.** 	**Width** = window width + 3/4" (19) **Height** = window height + 3/4" (19)
Vent Opening*  	**2:3 Cottage Sash Ratio** **Width** = window width − 4.06" (103) **Height** = (window height − 4.18" (106)) x 0.4 − 2.01" (51) + 0.8" (20) **3:2 Reverse Cottage Sash Ratio** **Width** = window width − 4.06" (103) **Height** = (window height − 4.18" (106)) x 0.4 − 2.01" (51) + 2.2" (56)	**Unobstr. Glass**  	**2:3 Cottage Sash Ratio** **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) **3:2 Reverse Cottage Sash Ratio** **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)

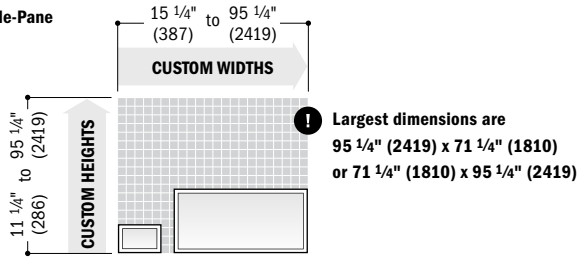
- Two locks are standard for windows with triple-pane glass or Andersen® art glass on sizes wider than 1'-7 1/8" (486).
- Two locks are standard for windows with dual-pane glass on sizes wider than 3'-3 1/4" (997).

*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

Dual-Pane & Triple-Pane

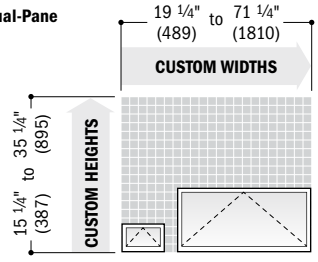


Largest dimensions are
95 1/4" (2419) x 71 1/4" (1810)
or 71 1/4" (1810) x 95 1/4" (2419)

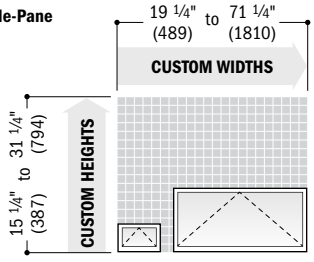
Minimum R.O.	**Width** = window width + 3/4" (19) **Height** = window height + 3/4" (19)	**Unobstr. Glass**	**Width** = window width − 6.65" (169) **Height** = window height − 6.65" (169)

Venting Transom Windows

Dual-Pane



Triple-Pane

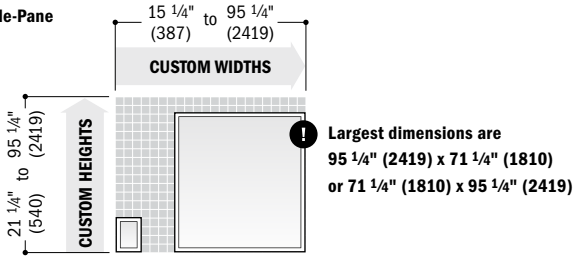


Clear Opening	**Width** = window width − 4.94" (125) **Height** = 5.88" (149)	**Minimum R.O.**	**Width** = window width + 3/4" (19) **Height** = window height + 3/4" (19)
Vent Opening	**Width** = window width − 4.94" (125) **Height** = 5.88" (149)	**Unobstr. Glass**	**Height** = window height − 6.65"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

• Venting transom windows do not meet 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).

Picture Windows

Dual-Pane & Triple-Pane

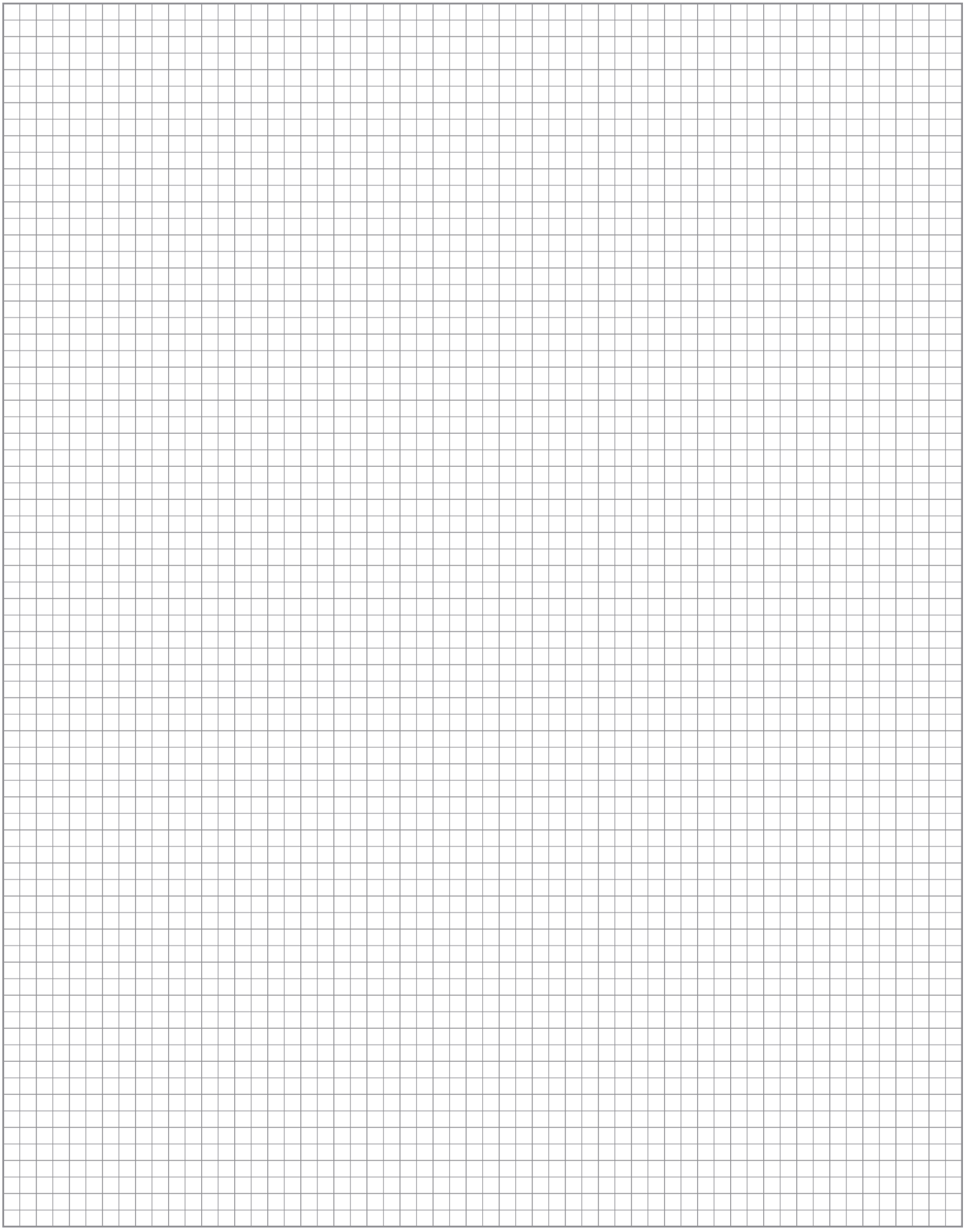


Largest dimensions are
95 1/4" (2419) x 71 1/4" (1810)
or 71 1/4" (1810) x 95 1/4" (2419)

Minimum R.O.	**Width** = window width + 3/4" (19) **Height** = window height + 3/4" (19)	**Unobstr. Glass**	**Width** = window width − 6.65" (169) **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 ⅛" (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 83

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 115
Joining Details 116
Combination Designs 206
Product Performance 214

Dimensions in parentheses are in millimeters.

SPECIALTY WINDOWS

FEATURES

Frame

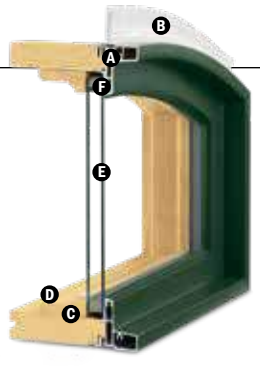
Ⓐ Frame constructed with a wood core and protected with a heavy-duty extruded aluminum cladding. Standard cladding finish meets AAMA 2604. An optional finish that meets the AAMA 2605 standard is also available. This construction produces a rigid frame and a low-maintenance, durable exterior with no exposed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

Ⓑ A vinyl installation flange extends 1 ½" (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.

Ⓒ 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

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

Ⓔ Glass

¾" (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.

Ⓕ 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.

StormWATCH® PROTECTION

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

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 ⅛" (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 ⅞" (73) x 4" (102) size plinth block with 2 ¼" (57) and 2 ½" (64) casing. Use 3 ⅞" (98) x 5 ¼" (133) size with 3 ½" (89) casing.



For half circle, circle, elliptical and oval windows, use 2 ⅞" (73) size plinth block with 2 ¼" (57) and 2 ½" (64) casing. Use 3 ⅞" (98) size with 3 ½" (89) casing.

EXTERIOR



White | Canvas | Sandtone | Terratone | Forest Green | Dark Bronze | Dove Gray | Prairie Grass | Red Rock | Cocoa Bean | Black

INTERIOR

WOOD SPECIES



Pine | Maple | Oak | Cherry | Mahogany* | Vertical Grain Douglas Fir

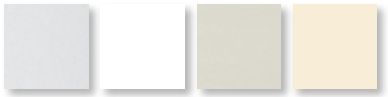
FACTORY-FINISHED INTERIORS Shown on pine. Available on pine, maple and oak only.



Clear Coat | Honey | Cinnamon | Russet | Mocha | Espresso

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.



White | Birch Bark | Primed (for paint) | Canvas



Sandtone | Dark Bronze | Black

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

* 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.

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. **WM**366



2 ½" (64) Colonial style. **WM**351



3 ½" (89) Colonial style. **WM**444



2 ¼" (57) Ranch style. **WM**324
2 ½" (64) Ranch style. **WM**315

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 availabilty of art glass for specialty windows.

Grilles

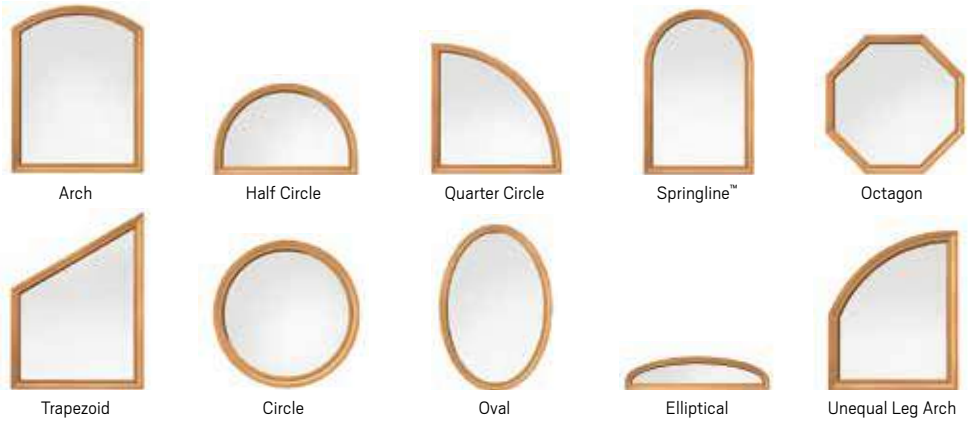
Grilles are available in a variety of configurations and widths. See pages 12-13 for details.

Exterior Trim

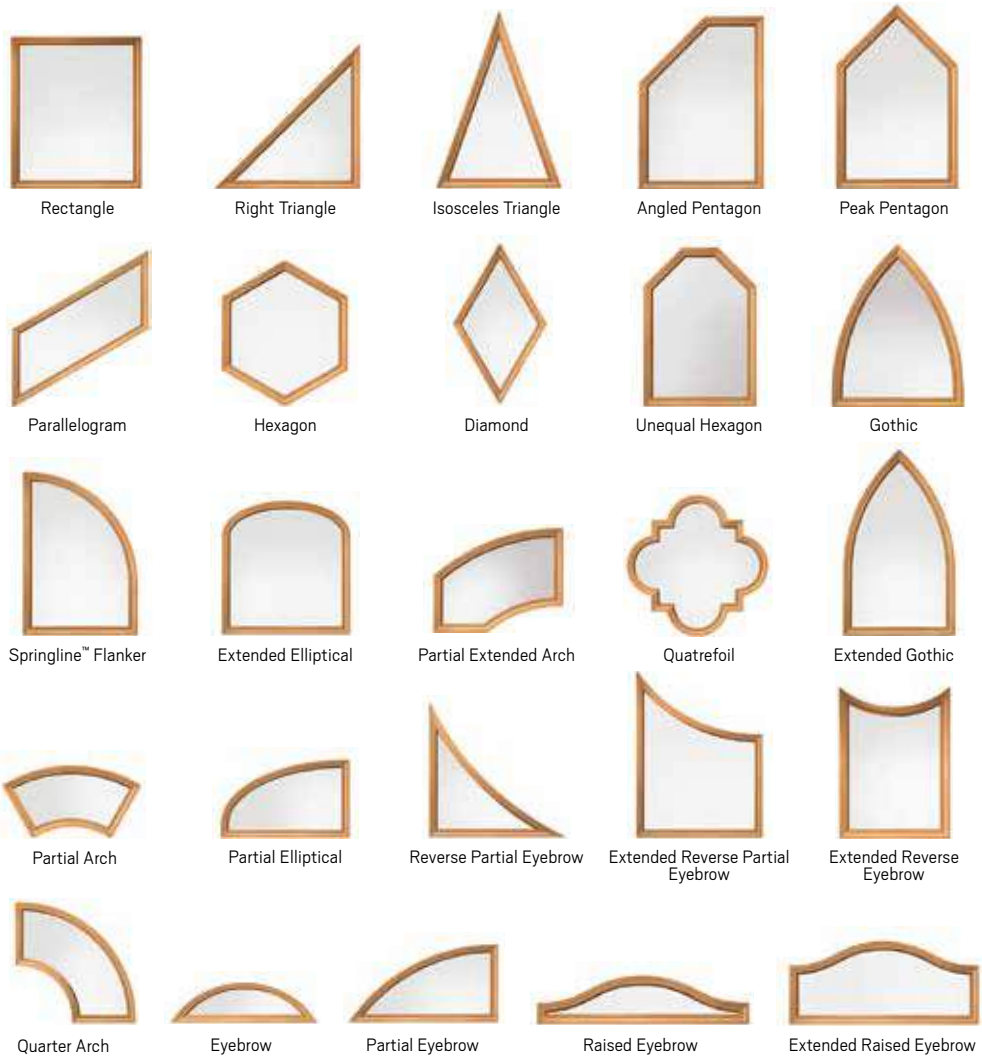
This product is available with Andersen® Exterior Trim. See pages 173–178 for details.

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.



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



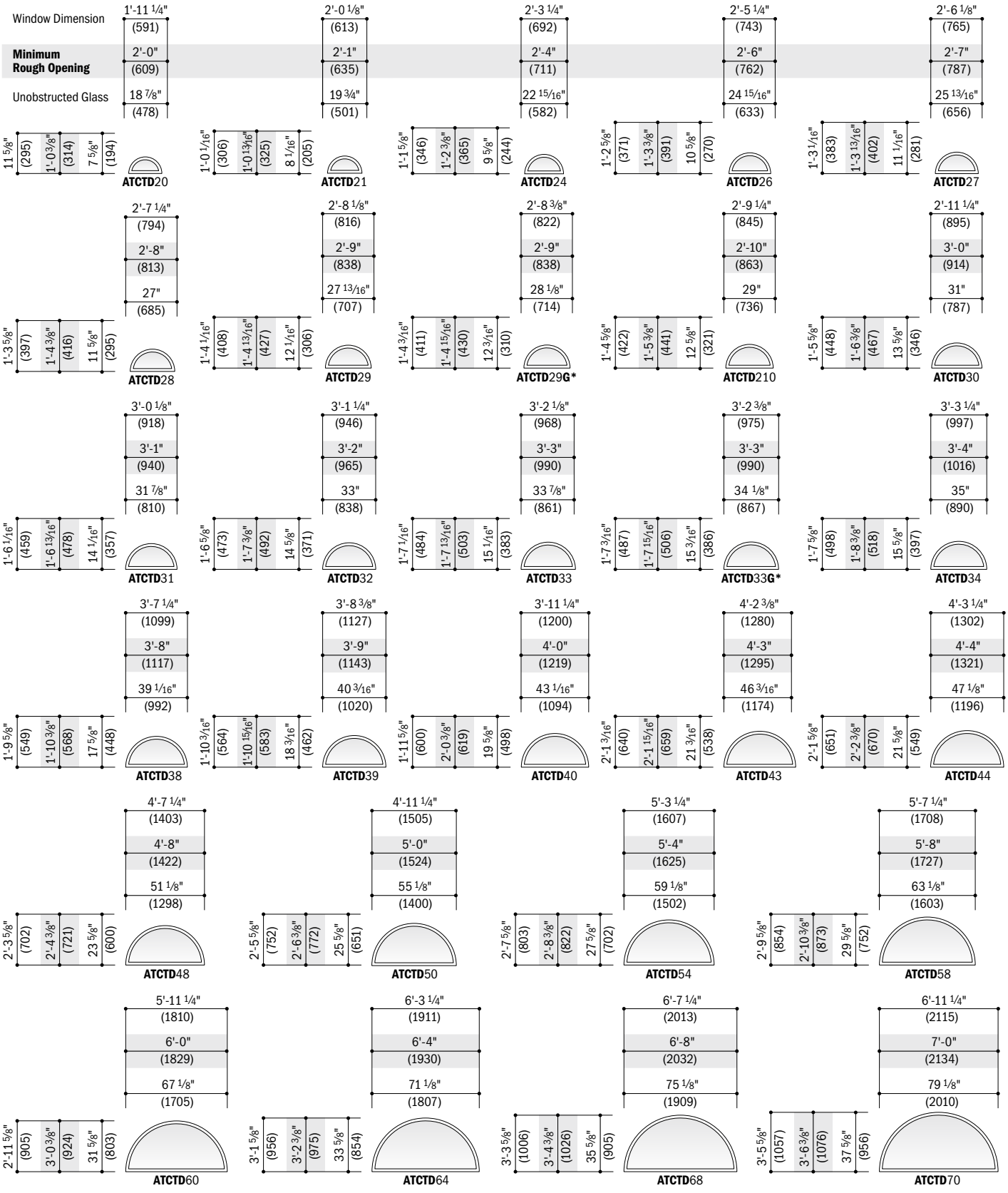
* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.
Dimensions in parentheses are in millimeters.

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.

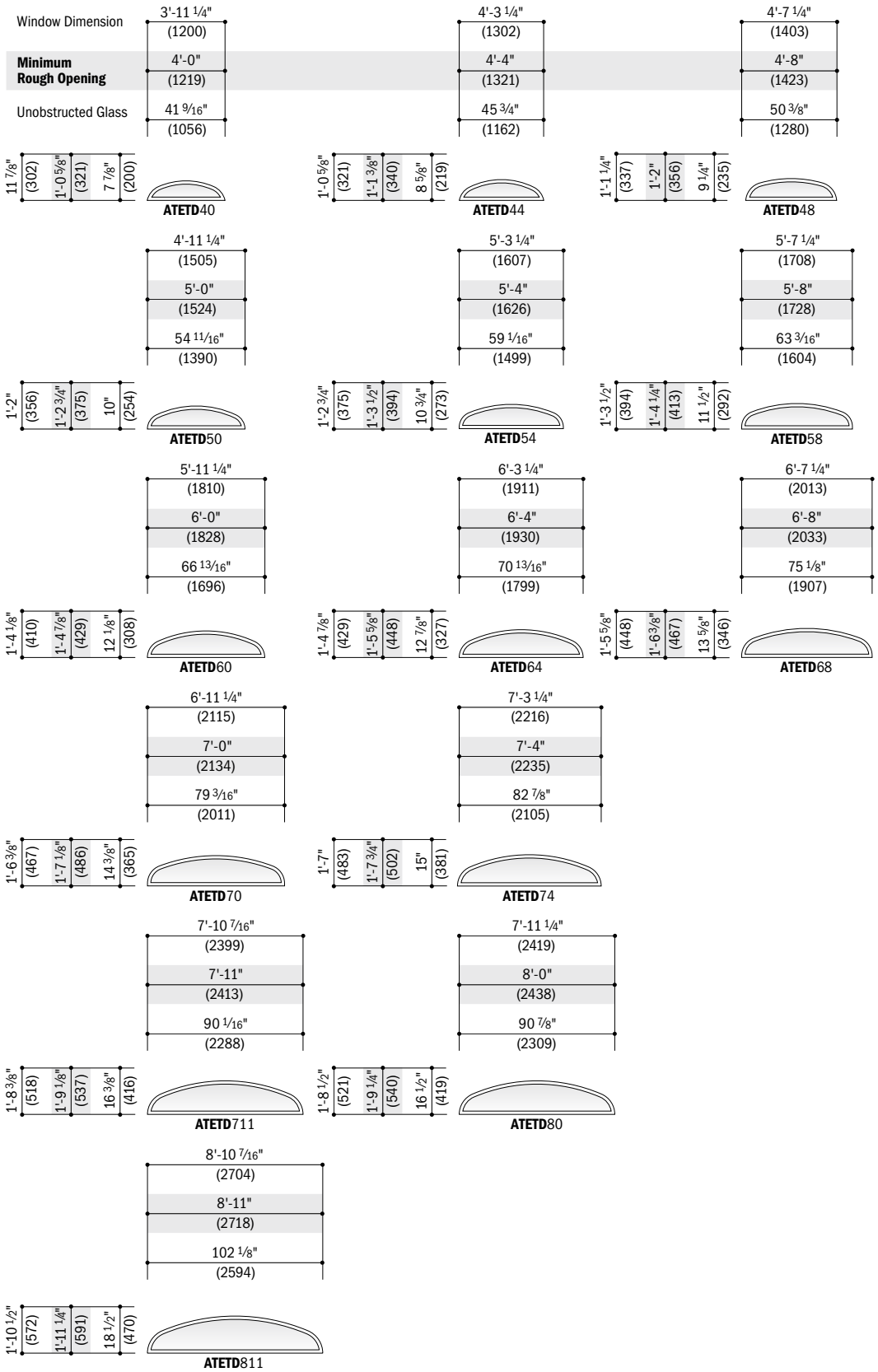


- "Window Dimension" always refers to outside frame to frame dimension.
- **"Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.**
- Dimensions in parentheses are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

*Sized to fit over A-Series Frenchwood® Single-Panel Stationary Gliding Patio Door.

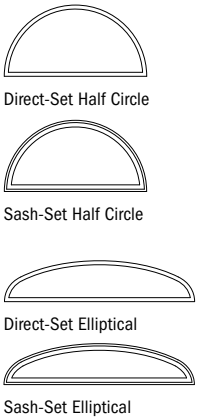
Table of Direct-Set Elliptical Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96



- "Window Dimension" 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. Contact your Andersen supplier for more information.



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.

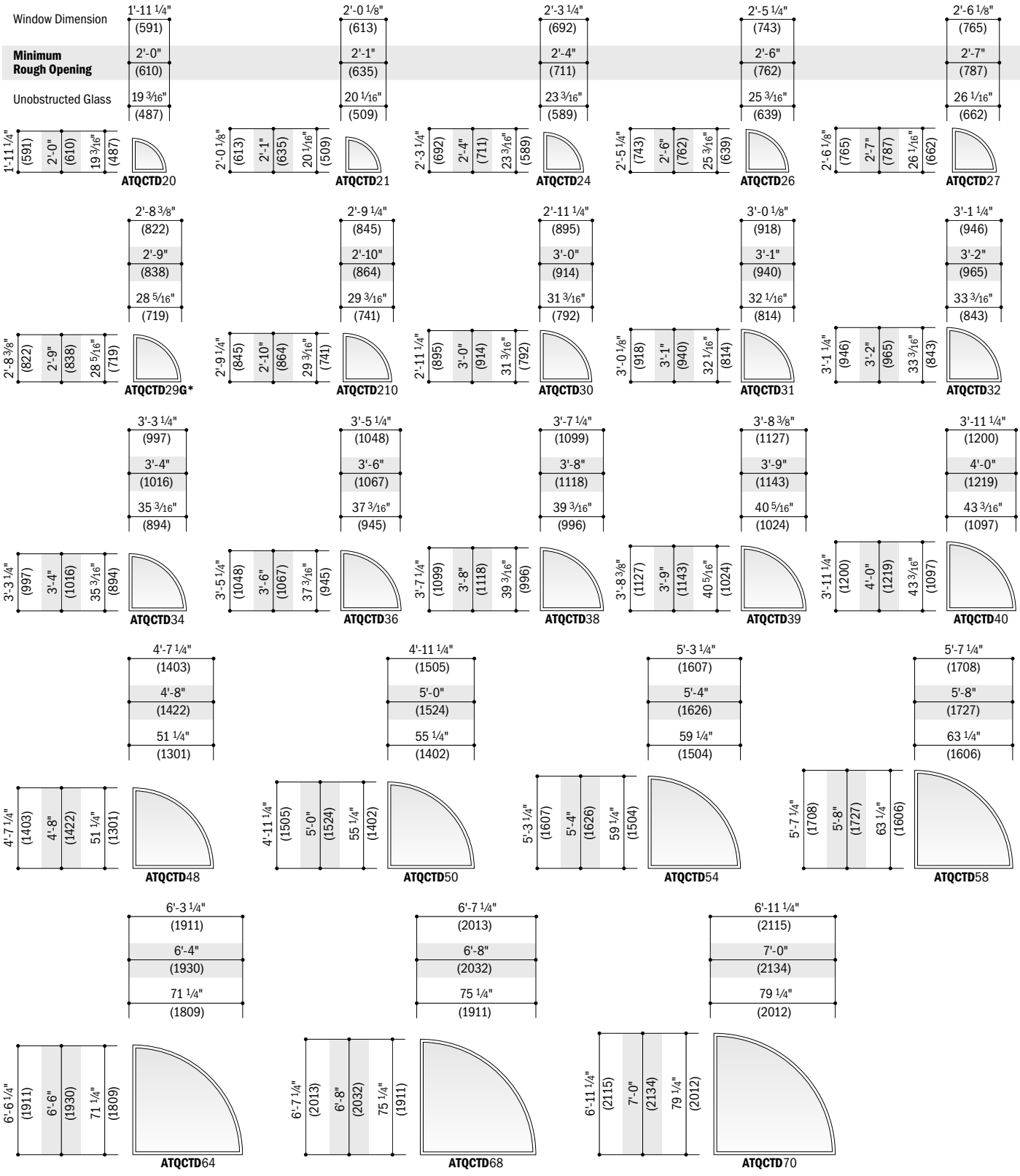
Details shown on page 115.
Grille patterns shown on page 77.

SPECIALTY WINDOWS

Table of Direct-Set Quarter Circle Window Sizes

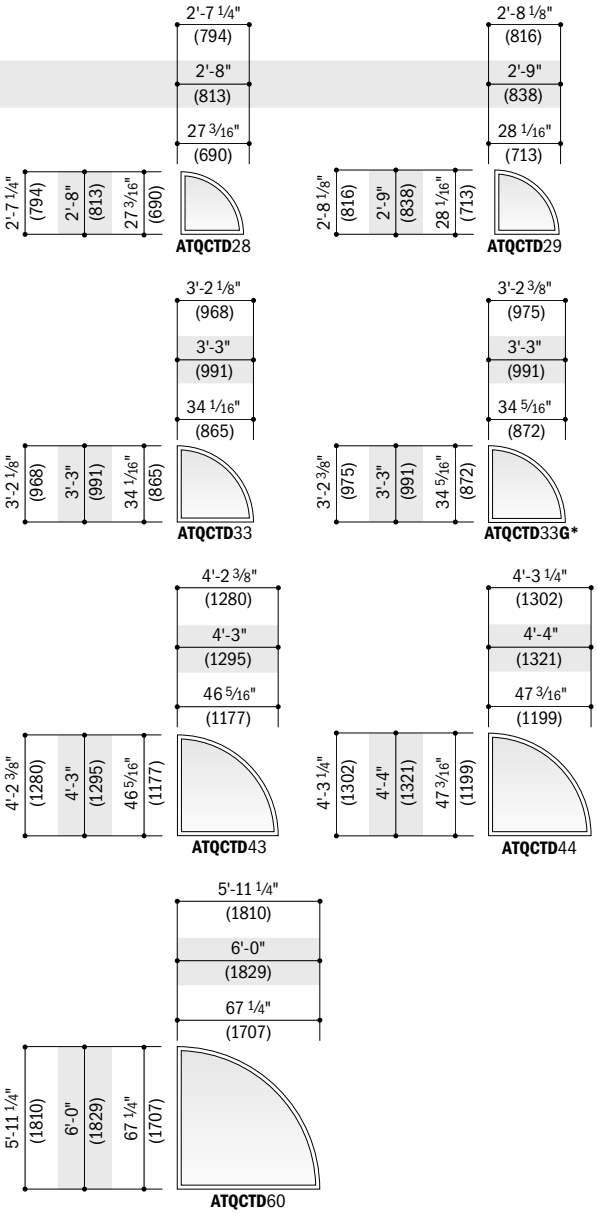
Scale ⅛" (3) = 1'-0" (305) – 1:96

Notes on the next page also apply to this page.

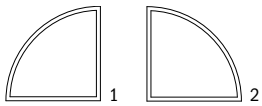


- "Window Dimension" always refers to outside frame to frame dimension.
- "**Minimum Rough Opening**" **dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.**
- Dimensions in parentheses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

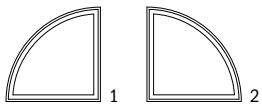
*Sized to fit over A-Series Frenchwood® Single-Panel Stationary Gliding Patio Door.



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

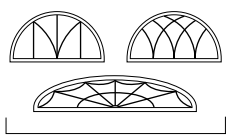
Direct-set (ATQCTD) window sizes shown. Choose left facing (1) or right facing (2) as viewed from the exterior. Use window and minimum rough opening dimensions shown for sash-set (**ATQCT**) window sizes. For sash-set unobstructed glass dimensions, see page 83.

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**.


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.

*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 ⅛" (3) = 1'-0" (305) – 1:96

Notes on the next page also apply to this page.

Window Dimension	1'-3 ¼" (387)	1'-7 ¼" (489)	1'-11 ¼" (591)	2'-0 ⅛" (613)	2'-3 ¼" (692)	2'-5 ¼" (743)	2'-6 ⅛" (765)	2'-7 ¼" (794)	2'-8 ⅛" (816)	2'-8 ⅜" (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

Radius	36" (914)	42" (1067)	48" (1219)	60" (1524)	60" (1524)	60" (1524)	66" (1676)	66" (1676)	66" (1676)	66" (1676)
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)

CUSTOM SIZES AVAILABLE

Shoulder Height										
1'-7 ¼" (489)	15 7/8" (403) **ATUD**1418	14 5/8" (371) **ATUD**1818	13 1/4" (337) **ATUD**2018	14 3/16" (360) **ATUD**2118	12 3/4" (323) **ATUD**2418	11 5/8" (295) **ATUD**2618	12" (304) **ATUD**2718	12 1/8" (308) **ATUD**2818	10 7/8" (277) **ATUD**2918	10 3/4" (273) **ATUD**2918**G***
1'-9 ¼" (437) 1'-10" (559)	17 7/8" (454) **ATUD**14110	16 5/8" (421) **ATUD**18110	15 1/4" (387) **ATUD**20110		14 3/4" (374) **ATUD**24110	13 5/8" (346) **ATUD**26110		14 1/8" (359) **ATUD**28110		
1'-11 ¼" (591) 2'-0" (610)	19 7/8" (505) **ATUD**1420	18 5/8" (472) **ATUD**1820	17 1/4" (438) **ATUAD**2020	18 3/16" (462) **ATUD**2120	16 3/4" (425) **ATUD**2420	15 5/8" (397) **ATUD**2620	16" (406) **ATUD**2720	16 1/8" (410) **ATUD**2820	14 7/8" (379) **ATUD**2920	14 3/4" (375) **ATUD**2920**G***
2'-3 ¼" (692) 2'-4" (711)	23 7/8" (606) **ATUD**1424	22 5/8" (574) **ATUD**1824	21 1/4" (540) **ATUD**2024	22 3/16" (564) **ATUD**2124	20 3/4" (526) **ATUD**2424	19 5/8" (498) **ATUD**2624	20" (507) **ATUD**2724	20 1/8" (511) **ATUD**2824	18 7/8" (480) **ATUD**2924	18 3/4" (476) **ATUD**2924**G***
2'-7 ¼" (794) 2'-8" (813)	27 7/8" (708) **ATUD**1428	26 5/8" (675) **ATUD**1828	25 1/4" (641) **ATUD**2028	26 3/16" (665) **ATUD**2128	24 3/4" (628) **ATUD**2428	23 5/8" (600) **ATUD**2628	24" (609) **ATUD**2728	24 1/8" (613) **ATUD**2828	22 7/8" (582) **ATUD**2928	22 3/4" (578) **ATUD**2928**G***
2'-11 ¼" (895) 3'-0" (914)	31 7/8" (810) **ATUD**1430	30 5/8" (777) **ATUD**1830	29 1/4" (743) **ATUD**2030	30 3/16" (767) **ATUD**2130	28 3/4" (729) **ATUD**2430	27 5/8" (702) **ATUD**2630	28" (710) **ATUD**2730	28 1/8" (714) **ATUD**2830	26 7/8" (683) **ATUD**2930	26 3/4" (679) **ATUD**2930**G***

Window Dimension	3'-3 ¼" (997)	3'-7 ¼" (1099)	3'-8 ⅜" (1127)	3'-11 ¼" (1200)	4'-2 ⅜" (1280)	4'-3 ¼" (1302)	4'-7 ¼" (1403)
Minimum Rough Opening	3'-4" (1016)	3'-8" (1118)	3'-9" (1143)	4'-0" (1219)	4'-3" (1295)	4'-4" (1321)	4'-8" (1422)

CUSTOM SIZES AVAILABLE

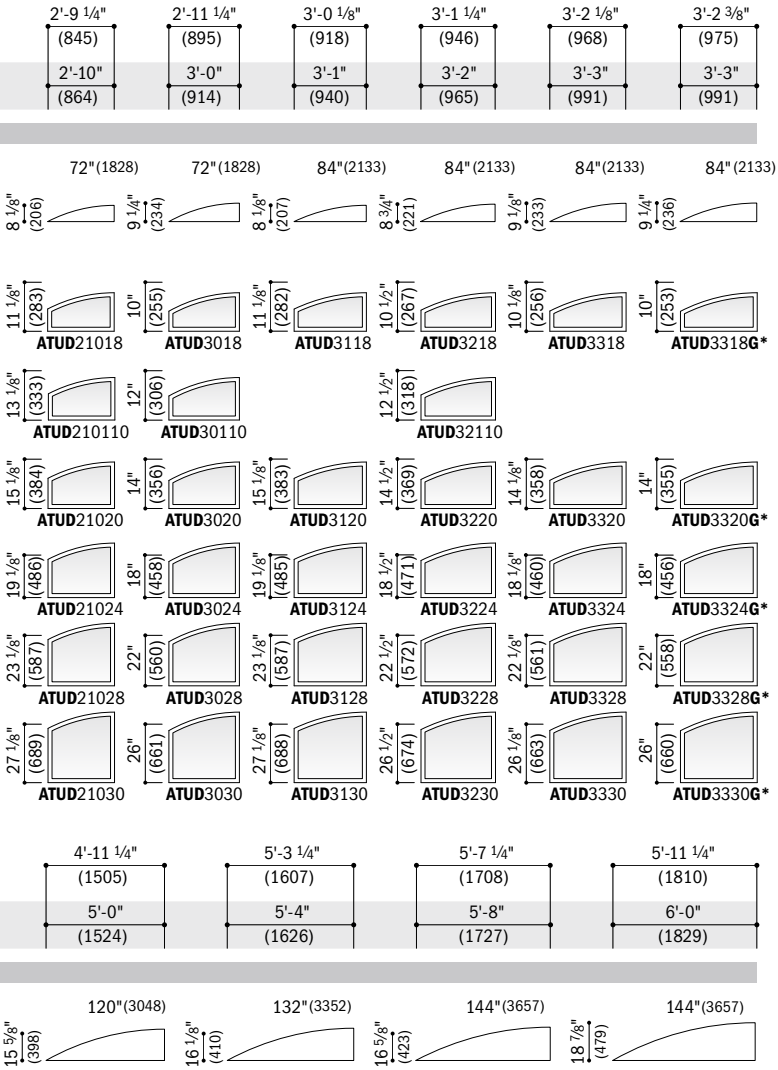
Radius	84" (2133)	96" (2438)	96" (2438)	96" (2438)	108" (2743)	108" (2743)	120" (3048)
Chord Height	9 3/4" (247)	10 1/4" (261)	10 7/8" (276)	12 7/16" (316)	12 1/2" (317)	12 15/16" (329)	13 1/2" (342)

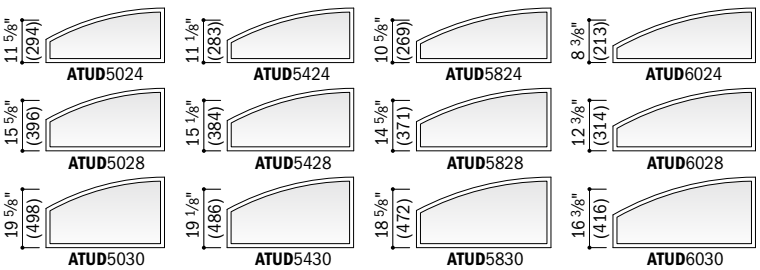
CUSTOM SIZES AVAILABLE

Shoulder Height							
1'-7 ¼" (489)	9 1/2" (242) **ATUD**3418	9" (228) **ATUD**3818	8 3/8" (213) **ATUD**3918				
1'-9 ¼" (437) 1'-10" (559)	11 1/2" (293) **ATUD**34110	11" (279) **ATUD**38110		8 13/16" (224) **ATUD**40110		8 5/16" (211) **ATUD**44110	7 3/4" (198) **ATUD**48110
1'-11 ¼" (591) 2'-0" (610)	13 1/2" (344) **ATUD**3420	13" (329) **ATUD**3820	12 3/8" (314) **ATUD**3920	10 13/16" (275) **ATUD**4020	10 3/4" (274) **ATUD**4320	10 5/16" (262) **ATUD**4420	9 3/4" (248) **ATUD**4820
2'-3 ¼" (692) 2'-4" (711)	17 1/2" (445) **ATUD**3424	17" (431) **ATUD**3824	16 3/8" (416) **ATUD**3924	14 13/16" (376) **ATUD**4024	14 3/4" (375) **ATUD**4324	14 5/16" (364) **ATUD**4424	13 3/4" (350) **ATUD**4824
2'-7 ¼" (794) 2'-8" (813)	21 1/2" (547) **ATUD**3428	21" (533) **ATUD**3828	20 3/8" (518) **ATUD**3928	18 13/16" (478) **ATUD**4028	18 3/4" (477) **ATUD**4328	18 5/16" (465) **ATUD**4428	17 3/4" (452) **ATUD**4828
2'-11 ¼" (895) 3'-0" (914)	25 1/2" (648) **ATUD**3430	25" (634) **ATUD**3830	24 3/8" (619) **ATUD**3930	22 13/16" (579) **ATUD**4030	22 3/4" (579) **ATUD**4330	22 5/16" (567) **ATUD**4430	21 3/4" (553) **ATUD**4830

- "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.

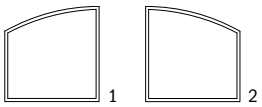




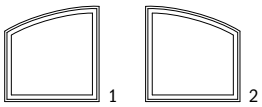
- "Window Dimension" always refers to outside frame to frame dimension.
- "**Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.**
- Dimensions in parentheses are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

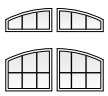
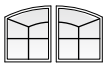


Sash-Set Unequal Leg Arch

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**.

SPECIALTY WINDOWS

Table of Direct-Set Octagon Window Sizes

Scale ⅛" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-11 ¼" (591)	2'-3 ¼" (692)	2'-11 ¼" (895)	3'-11 ¼" (1200)	5'-11 ¼" (1810)
Minimum Rough Opening	2'-0" (610)	2'-4" (711)	3'-0" (914)	4'-0" (1219)	6'-0" (1829)
Unobstructed Glass	19 ¼" (489)	23 ¼" (591)	31 ¼" (794)	43 ¼" (1099)	67 ¼" (1708)

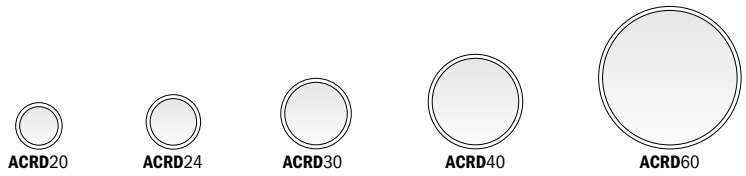


ATOCD20 **ATOCD**24 **ATOCD**30 **ATOCD**40 **ATOCD**60

Table of Direct-Set Circle Window Sizes

Scale ⅛" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-11 ¼" (591)	2'-3 ¼" (692)	2'-11 ¼" (895)	3'-11 ¼" (1200)	5'-11 ¼" (1810)
Minimum Rough Opening	2'-0" (610)	2'-4" (711)	3'-0" (914)	4'-0" (1219)	6'-0" (1829)
Unobstructed Glass	19 ¼" (489)	23 ¼" (591)	31 ¼" (794)	43 ¼" (1099)	67 ¼" (1708)



ACRD20 **ACRD**24 **ACRD**30 **ACRD**40 **ACRD**60

Table of Direct-Set Oval Window Sizes

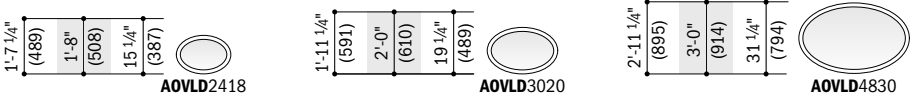
Scale ⅛" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-7 ¼" (489)	1'-11 ¼" (591)	2'-11 ¼" (895)
Minimum Rough Opening	1'-8" (508)	2'-0" (610)	3'-0" (914)
Unobstructed Glass	15 ¼" (387)	19 ¼" (489)	31 ¼" (794)



AOVLD1824 **AOVLD**2030 **AOVLD**3048

	2'-3 ¼" (692)	2'-11 ¼" (895)	4'-7 ¼" (1403)
	2'-4" (711)	3'-0" (914)	4'-8" (1422)
	23 ¼" (591)	31 ¼" (794)	51 ¼" (1302)



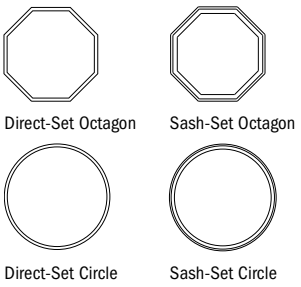
AOVLD2418 **AOVLD**3020 **AOVLD**4830

	1'-7 ¼" (489)	1'-11 ¼" (591)	2'-11 ¼" (895)
	1'-8" (508)	2'-0" (610)	3'-0" (914)
	15 ¼" (387)	19 ¼" (489)	31 ¼" (794)

- "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.



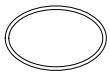
Custom-size octagon and circle windows are available in ⅛" (3) increments. Contact your Andersen supplier for more information. Oval windows are not available in custom sizes.



Direct-Set Octagon Sash-Set Octagon

Direct-Set Circle Sash-Set Circle

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.

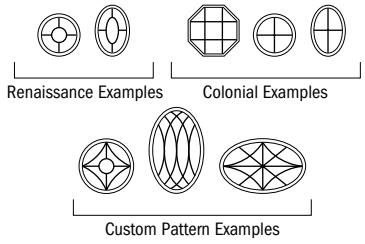


Direct-Set Oval

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**.



Renaissance Examples Colonial Examples

Custom Pattern Examples

Direct-Set Half Circle Window Area Specifications

Window Number	Glass Area Sq. Ft./(m²)
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)
ATCTD29**G**	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)
ATCTD33**G**	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./(m²)
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./(m²)
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)
ATQCTD29	4.14 (0.38)
ATQCTD29**G**	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)
ATQCTD33**G**	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./(m²)
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./(m²)
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/**AOVLD**2418	1.93 (0.18)
AOVLD2030/**AOVLD**3020	3.27 (0.30)
AOVLD3048/**AOVLD**4830	8.71 (0.81)

Direct-Set Unequal Leg Arch Window Area Specifications

Window Number	Glass Area Sq. Ft./(m²)
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)
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)
ATUD2918**G**	2.48 (0.23)
ATUD2920**G**	3.27 (0.30)
ATUD2924**G**	4.06 (0.38)
ATUD2928**G**	4.84 (0.45)
ATUD2930**G**	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)
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)
ATUD3318**G**	2.94 (0.27)
ATUD3320**G**	3.89 (0.36)
ATUD3324**G**	4.85 (0.45)
ATUD3328**G**	5.80 (0.54)
ATUD3330**G**	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)
ATUAD3830	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./(m²)
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)

Sash-Set Unequal Leg Arch Window Area Specifications

Window Number	Glass Area Sq. Ft./(m²)
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)
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)
ATU2918**G**	1.78 (0.17)
ATU2920**G**	2.50 (0.23)
ATU2924**G**	3.21 (0.30)
ATU2928**G**	3.92 (0.36)
ATU2930**G**	4.64 (0.43)
ATU21018	1.86 (0.17)
ATU210110	2.23 (0.21)
ATU21020	2.60 (0.24)
ATU21024	3.34 (0.31)
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)
ATU3318**G**	2.14 (0.20)
ATU3320**G**	3.02 (0.28)
ATU3324**G**	3.90 (0.36)
ATU3328**G**	4.78 (0.44)
ATU3330**G**	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)
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 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./(m²)
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)
ATCT29**G**	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 7/16" (315)	1.98 (0.18)
ATCT33**G**	31" (788)	12 9/16" (318)	2.02 (0.19)
ATCT34	31 15/16" (810)	13" (329)	2.15 (0.20)
ATCT38	36" (914)	15" (380)	2.81 (0.26)
ATCT39	37 1/8" (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 1/8" (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 1/4" (1734)	31" (787)	11.25 (1.04)
ATCT68	72 5/16" (1836)	33" (837)	12.70 (1.18)
ATCT70	76 5/16" (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./(m²)
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 5/8" (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 7/8" (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./(m²)
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

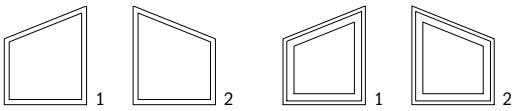
Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./(m²)
ATOC20	16 5/8" (421)	16 5/8" (421)	1.58 (0.15)
ATOC24	20 5/8" (523)	20 5/8" (523)	2.44 (0.23)
ATOC30	28 5/8" (726)	28 5/8" (726)	4.70 (0.44)
ATOC40	40 5/8" (1031)	40 5/8" (1031)	9.48 (0.88)
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.

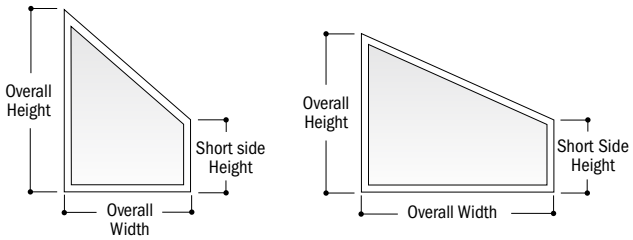
Design Criteria

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:

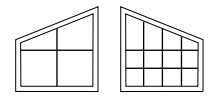
MAXIMUM FRAME AREA 65 sq. ft. or 6.04 m² for Low-E4® tempered glass
Square footage is based on a square or rectangular shape
For direct-set windows, no side may be less than 6" (152) and is dependent on slope
For sash-set windows, no side may be less than 8 1/2" (216) and is dependent on slope
Minimum cut angle is 12°



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**.



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)
Minimum Rough Opening	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

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

Unobstructed Glass = window height – 4" (102)

CUSTOM SIZES AVAILABLE

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'-2 1⁄4" (362) **ATAD**2010	1'-1 25⁄32" (350) **ATAD**2110	1'-2 17⁄32" (369) **ATAD**2410	1'-3 1⁄16" (382) **ATAD**2610	1'-2 9⁄16" (370) **ATAD**2710	1'-2 13⁄16" (376) **ATAD**2810	1'-3 1⁄32" (382) **ATAD**2910	1'-3 3⁄32" (383) **ATAD**2910**G***	1'-3 5⁄16" (389) **ATAD**21010
23 1⁄4" (591)	2'-2 1⁄4" (667) **ATAD**2020	2'-1 25⁄32" (655) **ATAD**2120	2'-2 17⁄32" (674) **ATAD**2420	2'-3 1⁄16" (687) **ATAD**2620	2'-2 9⁄16" (674) **ATAD**2720	2'-2 13⁄16" (681) **ATAD**2820	2'-3 1⁄32" (687) **ATAD**2920	2'-3 3⁄32" (688) **ATAD**2920**G***	2'-3 5⁄16" (694) **ATAD**21020
27 1⁄4" (692)	2'-6 1⁄4" (768) **ATAD**2024	2'-5 25⁄32" (756) **ATAD**2124	2'-6 17⁄32" (775) **ATAD**2424	2'-7 1⁄16" (789) **ATAD**2624	2'-6 9⁄16" (776) **ATAD**2724	2'-6 13⁄16" (783) **ATAD**2824	2'-7 1⁄32" (788) **ATAD**2924	2'-7 3⁄32" (790) **ATAD**2924**G***	2'-7 5⁄16" (795) **ATAD**21024
31 1⁄4" (794)	2'-10 1⁄4" (870) **ATAD**2028	2'-9 25⁄32" (858) **ATAD**2128	2'-10 17⁄32" (877) **ATAD**2428	2'-11 1⁄16" (890) **ATAD**2628	2'-10 9⁄16" (878) **ATAD**2728	2'-10 13⁄16" (884) **ATAD**2828	2'-11 1⁄32" (890) **ATAD**2928	2'-11 3⁄32" (891) **ATAD**2928**G***	2'-11 5⁄16" (897) **ATAD**21028
35 1⁄4" (895)	3'-2 1⁄4" (972) **ATAD**2030	3'-1 25⁄32" (960) **ATAD**2130	3'-2 17⁄32" (978) **ATAD**2430	3'-3 1⁄16" (992) **ATAD**2630	3'-2 9⁄16" (979) **ATAD**2730	3'-2 13⁄16" (986) **ATAD**2830	3'-3 1⁄32" (991) **ATAD**2930	3'-3 3⁄32" (993) **ATAD**2930**G***	3'-3 5⁄16" (999) **ATAD**21030
39 1⁄4" (997)	3'-6 1⁄4" (1073) **ATAD**2034		3'-6 17⁄32" (1080) **ATAD**2434	3'-7 1⁄16" (1094) **ATAD**2634		3'-6 13⁄16" (1088) **ATAD**2834			3'-7 5⁄16" (1100) **ATAD**21034
43 1⁄4" (1099)	3'-10 1⁄4" (1175) **ATAD**2038		3'-10 17⁄32" (1182) **ATAD**2438	3'-11 1⁄16" (1195) **ATAD**2638		3'-10 13⁄16" (1189) **ATAD**2838			3'-11 5⁄16" (1202) **ATAD**21038
47 1⁄4" (1200)	4'-2 1⁄4" (1276) **ATAD**2040		4'-2 17⁄32" (1283) **ATAD**2440	4'-3 1⁄16" (1297) **ATAD**2640		4'-2 13⁄16" (1291) **ATAD**2840			4'-3 5⁄16" (1303) **ATAD**21040
51 1⁄4" (1302)	4'-6 1⁄4" (1378) **ATAD**2044		4'-6 17⁄32" (1385) **ATAD**2444	4'-7 1⁄16" (1398) **ATAD**2644		4'-6 13⁄16" (1392) **ATAD**2844			4'-7 5⁄16" (1405) **ATAD**21044
55 1⁄4" (1403)	4'-10 1⁄4" (1480) **ATAD**2048		4'-10 17⁄32" (1486) **ATAD**2448	4'-11 1⁄16" (1500) **ATAD**2648		4'-10 13⁄16" (1494) **ATAD**2848			4'-11 5⁄16" (1507) **ATAD**21048

- "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.

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)	36" (914)	42" (1067)	42" (1067)	42" (1067)	42" (1067)	48" (1219)	48" (1219)	48" (1219)	60" (1524)
4 5/8" (117)	4 27/32" (123)	4 11/32" (111)	4 9/16" (116)	4 5/8" (118)	4 7/8" (124)	5 5/32" (131)	5 7/16" (138)	6 7/32" (158)	5 17/32" (141)
1'-3 7/8" (403)	1'-4 3/32" (409)	1'-3 19/32" (396)	1'-3 13/16" (402)	1'-3 7/8" (404)	1'-4 1/8" (409)	1'-4 13/32" (416)	1'-4 11/16" (424)	1'-5 15/32" (444)	1'-4 25/32" (427)
ATAD3010	**ATAD**3110	**ATAD**3210	**ATAD**3310	**ATAD**3310**G***	**ATAD**3410	**ATAD**3810	**ATAD**3910	**ATAD**4010	**ATAD**4310
2'-3 7/8" (708)	2'-4 3/32" (714)	2'-3 19/32" (701)	2'-3 13/16" (707)	2'-3 7/8" (708)	2'-4 1/8" (714)	2'-4 13/32" (721)	2'-4 11/16" (729)	2'-5 15/32" (748)	2'-4 25/32" (731)
ATAD3020	**ATAD**3120	**ATAD**3220	**ATAD**3320	**ATAD**3320**G***	**ATAD**3420	**ATAD**3820	**ATAD**3920	**ATAD**4020	**ATAD**4320
2'-7 7/8" (809)	2'-8 3/32" (816)	2'-7 19/32" (803)	2'-7 13/16" (808)	2'-7 7/8" (810)	2'-8 1/8" (816)	2'-8 13/32" (823)	2'-8 11/16" (830)	2'-9 15/32" (850)	2'-8 25/32" (833)
ATAD3024	**ATAD**3124	**ATAD**3224	**ATAD**3324	**ATAD**3324**G***	**ATAD**3424	**ATAD**3824	**ATAD**3924	**ATAD**4024	**ATAD**4324
2'-11 7/8" (911)	3'-0 3/32" (917)	2'-11 19/32" (904)	2'-11 13/16" (910)	2'-11 7/8" (912)	3'-0 1/8" (917)	3'-0 13/32" (924)	3'-0 11/16" (932)	3'-1 15/32" (952)	3'-0 25/32" (935)
ATAD3028	**ATAD**3128	**ATAD**3228	**ATAD**3328	**ATAD**3328**G***	**ATAD**3428	**ATAD**3828	**ATAD**3928	**ATAD**4028	**ATAD**4328
3'-3 7/8" (1012)	3'-4 3/32" (1019)	3'-3 19/32" (1006)	3'-3 13/16" (1012)	3'-3 7/8" (1013)	3'-4 1/8" (1019)	3'-4 13/32" (1026)	3'-4 11/16" (1033)	3'-5 15/32" (1053)	3'-4 25/32" (1036)
ATAD3030	**ATAD**3130	**ATAD**3230	**ATAD**3330	**ATAD**3330**G***	**ATAD**3430	**ATAD**3830	**ATAD**3930	**ATAD**4030	**ATAD**4330
3'-7 7/8" (1114)		3'-7 19/32" (1108)			3'-8 1/8" (1121)	3'-8 13/32" (1128)		3'-9 15/32" (1155)	
ATAD3034		**ATAD**3234			**ATAD**3434	**ATAD**3834		**ATAD**4034	
3'-11 7/8" (1216)		3'-11 19/32" (1209)			4'-0 1/8" (1222)	4'-0 13/32" (1229)		4'-1 15/32" (1256)	
ATAD3038		**ATAD**3238			**ATAD**3438	**ATAD**3838		**ATAD**4038	
4'-3 7/8" (1317)		4'-3 19/32" (1311)			4'-4 1/8" (1324)	4'-4 13/32" (1331)		4'-5 15/32" (1358)	
ATAD3040		**ATAD**3240			**ATAD**3440	**ATAD**3840		**ATAD**4040	
4'-7 7/8" (1419)		4'-7 19/32" (1412)			4'-8 1/8" (1425)	4'-8 13/32" (1432)		4'-9 15/32" (1460)	
ATAD3044		**ATAD**3244			**ATAD**3444	**ATAD**3844		**ATAD**4044	
4'-11 7/8" (1520)		4'-11 19/32" (1514)			5'-0 1/8" (1527)	5'-0 13/32" (1534)		5'-1 15/32" (1561)	
ATAD3048		**ATAD**3248			**ATAD**3448	**ATAD**3848		**ATAD**4048	

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.

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

Notes on page 89 also apply to this page.

Scale 1/8" (3) = 1'-0" (305) – 1:96

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)
Minimum Rough Opening	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

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

Unobstructed Glass = window height – 4" (102)

CUSTOM SIZES AVAILABLE

Radius	24" (610)	30" (762)	30" (762)	36" (914)	36" (914)
Chord Height	3" (76)	3 9/32" (83)	3 13/16" (97)	3 9/16" (91)	4 1/16" (103)
Shoulder Height 59 1/4" (1505)	5'-2 1/4" (1581) **ATAD**2050	5'-2 17/32" (1588) **ATAD**2450	5'-3 1/16" (1602) **ATAD**2650	5'-2 13/16" (1596) **ATAD**2850	5'-3 5/16" (1608) **ATAD**21050
63 1/4" (1607)	5'-6 1/4" (1683) **ATAD**2054	5'-6 17/32" (1690) **ATAD**2454	5'-7 1/16" (1703) **ATAD**2654	5'-6 13/16" (1697) **ATAD**2854	5'-7 5/16" (1710) **ATAD**21054
67 1/4" (1708)	5'-10 1/4" (1784) **ATAD**2058	5'-10 17/32" (1791) **ATAD**2458	5'-11 1/16" (1805) **ATAD**2658	5'-10 13/16" (1799) **ATAD**2858	5'-11 5/16" (1811) **ATAD**21058
71 1/4" (1810)	6'-2 1/4" (1886) **ATAD**2060	6'-2 17/32" (1893) **ATAD**2460	6'-3 1/16" (1906) **ATAD**2660	6'-2 13/16" (1900) **ATAD**2860	6'-3 5/16" (1913) **ATAD**21060
75 1/4" (1911)	6'-6 1/4" (1988) **ATAD**2064	6'-6 17/32" (1994) **ATAD**2464	6'-7 1/16" (2008) **ATAD**2664	6'-6 13/16" (2002) **ATAD**2864	6'-7 5/16" (2015) **ATAD**21064
79 1/4" (2013)	6'-10 1/4" (2089) **ATAD**2068	6'-10 17/32" (2096) **ATAD**2468	6'-11 1/16" (2110) **ATAD**2668	6'-10 13/16" (2104) **ATAD**2868	6'-11 5/16" (2116) **ATAD**21068
87 1/4" (2216)	7'-6 1/4" (2292) **ATAD**2074	7'-6 17/32" (2299) **ATAD**2474	7'-7 1/16" (2313) **ATAD**2674	7'-6 13/16" (2307) **ATAD**2874	7'-7 5/16" (2319) **ATAD**21074

- "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	**ATAD**3250	**ATAD**3450	**ATAD**3850	**ATAD**4050
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	**ATAD**3254	**ATAD**3454	**ATAD**3854	**ATAD**4054
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	**ATAD**3258	**ATAD**3458	**ATAD**3858	**ATAD**4058
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	**ATAD**3260	**ATAD**3460	**ATAD**3860	**ATAD**4060
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	**ATAD**3264	**ATAD**3464	**ATAD**3864	**ATAD**4064
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	**ATAD**3268	**ATAD**3468	**ATAD**3868	**ATAD**4068
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	**ATAD**3274	**ATAD**3474	**ATAD**3874	**ATAD**4074

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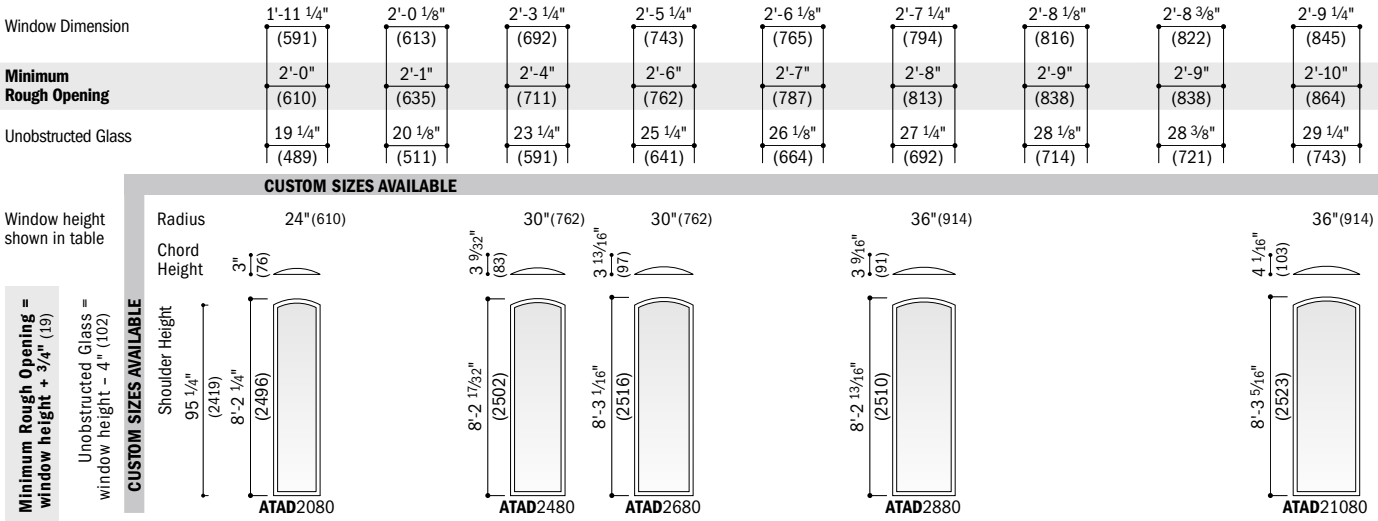
- "Window Dimension" always refers to outside frame to frame dimension.
- "**Minimum Rough Opening**" **dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.**
- Dimensions in parentheses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

SPECIALTY WINDOWS

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

Notes on the next page also apply to this page.

Scale 1⁄8" (3) = 1'-0" (305) – 1:96



Direct-Set Arch Window Area Specifications

Window Number	Glass Area Sq. Ft./(m²)
ATAD2010	1.27 (0.12)
ATAD2020	2.88 (0.27)
ATAD2024	3.41 (0.32)
ATAD2028	3.95 (0.37)
ATAD2030	4.48 (0.42)
ATAD2034	5.02 (0.47)
ATAD2038	5.55 (0.52)
ATAD2040	6.09 (0.57)
ATAD2044	6.62 (0.62)
ATAD2048	7.16 (0.66)
ATAD2050	7.69 (0.71)
ATAD2054	8.23 (0.76)
ATAD2058	8.76 (0.81)
ATAD2060	9.29 (0.86)
ATAD2064	9.83 (0.91)
ATAD2068	10.36 (0.96)
ATAD2074	11.43 (1.06)
ATAD2080	12.50 (1.16)
ATAD2110	1.28 (0.12)
ATAD2120	2.96 (0.27)
ATAD2124	3.52 (0.33)
ATAD2128	4.08 (0.38)
ATAD2130	4.64 (0.43)
ATAD2410	1.57 (0.15)
ATAD2420	3.50 (0.33)
ATAD2424	4.15 (0.39)
ATAD2428	4.79 (0.45)
ATAD2430	5.44 (0.51)
ATAD2434	6.09 (0.57)
ATAD2438	6.73 (0.63)
ATAD2440	7.38 (0.69)
ATAD2444	8.02 (0.75)
ATAD2448	8.67 (0.81)
ATAD2450	9.32 (0.87)
ATAD2454	9.96 (0.93)
ATAD2458	10.61 (0.99)
ATAD2460	11.25 (1.05)

Window Number	Glass Area Sq. Ft./(m²)
ATAD2464	11.90 (1.11)
ATAD2468	12.54 (1.17)
ATAD2474	13.84 (1.29)
ATAD2480	15.13 (1.41)
ATAD2610	1.77 (0.16)
ATAD2620	3.87 (0.36)
ATAD2624	4.57 (0.42)
ATAD2628	5.27 (0.49)
ATAD2630	5.98 (0.56)
ATAD2634	6.68 (0.62)
ATAD2638	7.38 (0.69)
ATAD2640	8.08 (0.75)
ATAD2644	8.78 (0.82)
ATAD2648	9.48 (0.88)
ATAD2650	10.18 (0.95)
ATAD2654	10.88 (1.01)
ATAD2658	11.59 (1.08)
ATAD2660	12.29 (1.14)
ATAD2664	12.99 (1.21)
ATAD2668	13.69 (1.27)
ATAD2674	15.09 (1.40)
ATAD2680	16.50 (1.53)
ATAD2710	1.76 (0.16)
ATAD2720	3.94 (0.37)
ATAD2724	4.66 (0.43)
ATAD2728	5.39 (0.50)
ATAD2730	6.11 (0.57)
ATAD2810	1.87 (0.17)
ATAD2820	4.14 (0.38)
ATAD2824	4.90 (0.46)
ATAD2828	5.66 (0.53)
ATAD2830	6.41 (0.60)
ATAD2834	7.17 (0.67)
ATAD2838	7.93 (0.74)
ATAD2840	8.68 (0.81)
ATAD2844	9.44 (0.88)
ATAD2848	10.20 (0.95)

Window Number	Glass Area Sq. Ft./(m²)
ATAD2850	10.95 (1.02)
ATAD2854	11.71 (1.09)
ATAD2858	12.47 (1.16)
ATAD2860	13.22 (1.23)
ATAD2864	13.98 (1.30)
ATAD2868	14.74 (1.37)
ATAD2874	16.25 (1.51)
ATAD2880	17.77 (1.65)
ATAD2910	1.96 (0.18)
ATAD2920	4.30 (0.40)
ATAD2924	5.09 (0.47)
ATAD2928	5.87 (0.54)
ATAD2930	6.65 (0.62)
ATAD2910G	1.99 (0.18)
ATAD2920G	4.35 (0.40)
ATAD2924G	5.14 (0.48)
ATAD2928G	5.93 (0.55)
ATAD2930G	6.72 (0.62)
ATAD21010	2.08 (0.19)
ATAD21020	4.52 (0.42)
ATAD21024	5.33 (0.50)
ATAD21028	6.14 (0.57)
ATAD21030	6.95 (0.65)
ATAD21034	7.77 (0.72)
ATAD21038	8.58 (0.80)
ATAD21040	9.39 (0.87)
ATAD21044	10.20 (0.95)
ATAD21048	11.02 (1.02)
ATAD21050	11.83 (1.10)
ATAD21054	12.64 (1.17)
ATAD21058	13.45 (1.25)
ATAD21060	14.27 (1.33)
ATAD21064	15.08 (1.40)
ATAD21068	15.89 (1.48)
ATAD21074	17.52 (1.63)
ATAD21080	19.14 (1.78)
ATAD3010	2.31 (0.21)

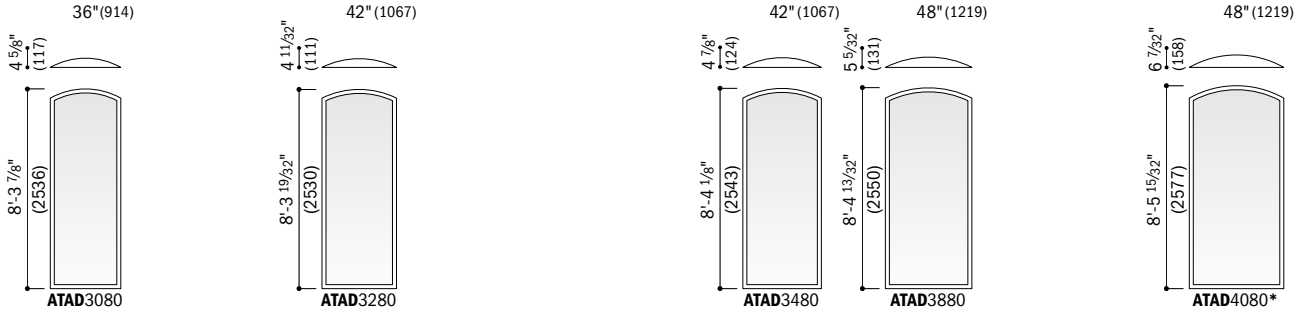
Window Number	Glass Area Sq. Ft./(m²)
ATAD3020	4.91 (0.46)
ATAD3024	5.78 (0.54)
ATAD3028	6.65 (0.62)
ATAD3030	7.51 (0.70)
ATAD3034	8.38 (0.78)
ATAD3038	9.25 (0.86)
ATAD3040	10.12 (0.94)
ATAD3044	10.99 (1.02)
ATAD3048	11.85 (1.10)
ATAD3050	12.72 (1.18)
ATAD3054	13.59 (1.26)
ATAD3058	14.46 (1.34)
ATAD3060	15.33 (1.42)
ATAD3064	16.19 (1.50)
ATAD3068	17.06 (1.59)
ATAD3074	18.80 (1.75)
ATAD3080	20.53 (1.91)
ATAD3110	2.41 (0.22)
ATAD3120	5.09 (0.47)
ATAD3124	5.98 (0.56)
ATAD3128	6.87 (0.64)
ATAD3130	7.76 (0.72)
ATAD3210	2.41 (0.22)
ATAD3220	5.18 (0.48)
ATAD3224	6.10 (0.57)
ATAD3228	7.02 (0.65)
ATAD3230	7.95 (0.74)
ATAD3234	8.87 (0.82)
ATAD3238	9.80 (0.91)
ATAD3240	10.72 (1.00)
ATAD3244	11.64 (1.08)
ATAD3248	12.57 (1.17)
ATAD3250	13.49 (1.25)
ATAD3254	14.41 (1.34)
ATAD3258	15.34 (1.42)

• Dimensions in parentheses are in square meters.

continued on next 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)
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)
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)



continued on next page

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

Window Number	Glass Area Sq. Ft./(m²)
ATAD3260	16.26 (1.51)
ATAD3264	17.18 (1.60)
ATAD3268	18.11 (1.68)
ATAD3274	19.95 (1.85)
ATAD3280	21.80 (2.03)
ATAD3310	2.51 (0.23)
ATAD3320	5.35 (0.50)
ATAD3324	6.30 (0.59)
ATAD3328	7.25 (0.67)
ATAD3330	8.19 (0.76)
ATAD3310G	2.54 (0.24)
ATAD3320G	5.40 (0.50)
ATAD3324G	6.35 (0.59)
ATAD3328G	7.31 (0.68)
ATAD3330G	8.26 (0.77)
ATAD3410	2.64 (0.25)
ATAD3420	5.58 (0.52)
ATAD3424	6.56 (0.61)
ATAD3428	7.54 (0.70)
ATAD3430	8.51 (0.79)
ATAD3434	9.49 (0.88)
ATAD3438	10.47 (0.97)
ATAD3440	11.45 (1.06)
ATAD3444	12.43 (1.15)
ATAD3448	13.41 (1.25)
ATAD3450	14.39 (1.34)
ATAD3454	15.37 (1.43)
ATAD3458	16.35 (1.52)
ATAD3460	17.33 (1.61)
ATAD3464	18.31 (1.70)
ATAD3468	19.29 (1.79)
ATAD3474	21.24 (1.97)
ATAD3480	23.20 (2.16)
ATAD3810	2.99 (0.28)
ATAD3820	6.26 (0.58)
ATAD3824	7.35 (0.68)
ATAD3828	8.44 (0.78)

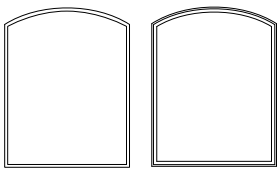
Window Number	Glass Area Sq. Ft./(m²)
ATAD3830	9.53 (0.89)
ATAD3834	10.62 (0.99)
ATAD3838	11.71 (1.09)
ATAD3840	12.80 (1.19)
ATAD3844	13.89 (1.29)
ATAD3848	14.98 (1.39)
ATAD3850	16.07 (1.49)
ATAD3854	17.16 (1.59)
ATAD3858	18.25 (1.70)
ATAD3860	19.34 (1.80)
ATAD3864	20.43 (1.90)
ATAD3868	21.52 (2.00)
ATAD3874	23.70 (2.20)
ATAD3880	25.88 (2.40)
ATAD3910	3.13 (0.29)
ATAD3920	6.49 (0.60)
ATAD3924	7.62 (0.71)
ATAD3928	8.74 (0.81)
ATAD3930	9.86 (0.92)
ATAD4010	3.52 (0.33)
ATAD4020	7.12 (0.66)
ATAD4024	8.32 (0.77)
ATAD4028	9.52 (0.88)
ATAD4030	10.73 (1.00)
ATAD4034	11.93 (1.11)
ATAD4038	13.13 (1.22)
ATAD4040	14.33 (1.33)
ATAD4044	15.53 (1.44)
ATAD4048	16.73 (1.55)
ATAD4050	17.93 (1.67)
ATAD4054	19.14 (1.78)
ATAD4058	20.34 (1.89)
ATAD4060	21.54 (2.00)
ATAD4064	22.74 (2.11)
ATAD4068	23.94 (2.22)
ATAD4074	26.34 (2.45)
ATAD4080	28.75 (2.67)

Window Number	Glass Area Sq. Ft./(m²)
ATAD4310	3.61 (0.34)
ATAD4320	7.47 (0.69)
ATAD4324	8.76 (0.81)
ATAD4328	10.05 (0.93)
ATAD4330	11.34 (1.05)
ATAD4410	3.72 (0.35)
ATAD4420	7.66 (0.71)
ATAD4424	8.97 (0.83)
ATAD4428	10.29 (0.96)
ATAD4430	11.60 (1.08)
ATAD4434	12.91 (1.20)
ATAD4438	14.22 (1.32)
ATAD4440	15.54 (1.44)
ATAD4444	16.85 (1.57)
ATAD4448	18.16 (1.69)
ATAD4450	19.47 (1.81)
ATAD4454	20.79 (1.93)
ATAD4458	22.10 (2.05)
ATAD4460	23.41 (2.17)
ATAD4464	24.72 (2.30)
ATAD4468	26.04 (2.42)
ATAD4474	28.66 (2.66)
ATAD4480	31.29 (2.91)
ATAD4810	4.29 (0.40)
ATAD4820	8.56 (0.79)
ATAD4824	9.98 (0.93)
ATAD4828	11.40 (1.06)
ATAD4830	12.83 (1.19)
ATAD4834	14.25 (1.32)
ATAD4838	15.67 (1.46)
ATAD4840	17.10 (1.59)
ATAD4844	18.52 (1.72)
ATAD4848	19.95 (1.85)
ATAD4850	21.37 (1.99)
ATAD4854	22.79 (2.12)

• 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 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.

• "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)*

Notes on page 93 also apply to this page.

Scale ⅛" (3) = 1'-0" (305) – 1:96

Window Dimension	4'-3 ¼" (1302)	4'-7 ¼" (1403)	4'-11 ¼" (1505)	5'-3 ¼" (1607)	5'-7 ¼" (1708)	5'-11 ¼" (1810)
Minimum Rough Opening	4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
Unobstructed Glass	47 ¼" (1200)	51 ¼" (1302)	55 ¼" (1403)	59 ¼" (1505)	63 ¼" (1607)	67 ¼" (1708)

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	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 5/16" (186)	8 11/32" (212)	9 7/16" (240)
Shoulder Height 11 ¼" (286)	1'-5" (432) **ATAD**4410	1'-6" (457) **ATAD**4810	1'-7 1/16" (484) **ATAD**5010	1'-6 9/16" (472) **ATAD**5410	1'-7 19/32" (497) **ATAD**5810	1'-8 11/16" (525) **ATAD**6010
23 ¼" (591)	2'-5" (737) **ATAD**4420	2'-6" (762) **ATAD**4820	2'-7 1/16" (789) **ATAD**5020	2'-6 9/16" (776) **ATAD**5420	2'-7 19/32" (802) **ATAD**5820	2'-8 11/16" (830) **ATAD**6020
27 ¼" (692)	2'-9" (838) **ATAD**4424	2'-10" (863) **ATAD**4824	2'-11 1/16" (891) **ATAD**5024	2'-10 9/16" (878) **ATAD**5424	2'-11 19/32" (904) **ATAD**5824	3'-0 11/16" (932) **ATAD**6024
31 ¼" (794)	3'-1" (940) **ATAD**4428	3'-2" (965) **ATAD**4828	3'-3 1/16" (992) **ATAD**5028	3'-2 9/16" (980) **ATAD**5428	3'-3 19/32" (1005) **ATAD**5828	3'-4 11/16" (1033) **ATAD**6028
35 ¼" (895)	3'-5" (1041) **ATAD**4430	3'-6" (1066) **ATAD**4830	3'-7 1/16" (1094) **ATAD**5030	3'-6 9/16" (1081) **ATAD**5430	3'-7 19/32" (1107) **ATAD**5830	3'-8 11/16" (1135) **ATAD**6030
39 ¼" (997)	3'-9" (1143) **ATAD**4434	3'-10" (1168) **ATAD**4834	3'-11 1/16" (1196) **ATAD**5034	3'-10 9/16" (1183) **ATAD**5434	3'-11 19/32" (1209) **ATAD**5834	4'-0 11/16" (1237) **ATAD**6034
43 ¼" (1099)	4'-1" (1245) **ATAD**4438	4'-2" (1270) **ATAD**4838	4'-3 1/16" (1297) **ATAD**5038	4'-2 9/16" (1284) **ATAD**5438	4'-3 19/32" (1310) **ATAD**5838	4'-4 11/16" (1338) **ATAD**6038
47 ¼" (1200)	4'-5" (1346) **ATAD**4440	4'-6" (1371) **ATAD**4840	4'-7 1/16" (1399) **ATAD**5040	4'-6 9/16" (1386) **ATAD**5440	4'-7 19/32" (1412) **ATAD**5840	4'-8 11/16" (1440) **ATAD**6040
51 ¼" (1302)	4'-9" (1448) **ATAD**4444	4'-10" (1473) **ATAD**4844	4'-11 1/16" (1500) **ATAD**5044	4'-10 9/16" (1488) **ATAD**5444	4'-11 19/32" (1513) **ATAD**5844	5'-0 11/16" (1541) **ATAD**6044
55 ¼" (1403)	5'-1" (1549) **ATAD**4448	5'-2" (1574) **ATAD**4848	5'-3 1/16" (1602) **ATAD**5048	5'-2 9/16" (1589) **ATAD**5448	5'-3 19/32" (1615) **ATAD**5848	5'-4 11/16" (1643) **ATAD**6048

- "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)	84" (2134)	84" (2134)	96" (2438)	96" (2438)	96" (2438)
8 29/32" (226)	9 15/16" (252)	11 1/32" (280)	10 1/2" (266)	12 13/32" (315)	12 21/32" (321)
1'-8 5/32" (512) **ATAD**6410	1'-9 3/16" (538) **ATAD**6810	1'-10 9/32" (566) **ATAD**7010	1'-9 3/4" (552) **ATAD**7410	1'-11 21/32" (601) **ATAD**71110	1'-11 29/32" (607) **ATAD**8010
2'-8 5/32" (817) **ATAD**6420	2'-9 3/16" (843) **ATAD**6820	2'-10 9/32" (871) **ATAD**7020	2'-9 3/4" (857) **ATAD**7420	2'-11 21/32" (906) **ATAD**71120	2'-11 29/32" (912) **ATAD**8020
3'-0 5/32" (918) **ATAD**6424	3'-1 3/16" (944) **ATAD**6824	3'-2 9/32" (973) **ATAD**7024	3'-1 3/4" (958) **ATAD**7424	3'-3 21/32" (1008) **ATAD**71124	3'-3 29/32" (1013) **ATAD**8024
3'-4 5/32" (1020) **ATAD**6428	3'-5 3/16" (1046) **ATAD**6828	3'-6 9/32" (1074) **ATAD**7028	3'-5 3/4" (1060) **ATAD**7428	3'-7 21/32" (1109) **ATAD**71128	3'-7 29/32" (1115) **ATAD**8028
3'-8 5/32" (1121) **ATAD**6430	3'-9 3/16" (1148) **ATAD**6830	3'-10 9/32" (1176) **ATAD**7030	3'-9 3/4" (1162) **ATAD**7430	3'-11 21/32" (1211) **ATAD**71130	3'-11 29/32" (1217) **ATAD**8030
4'-0 5/32" (1223) **ATAD**6434	4'-1 3/16" (1249) **ATAD**6834	4'-2 9/32" (1277) **ATAD**7034	4'-1 3/4" (1263) **ATAD**7434		4'-3 29/32" (1318) **ATAD**8034
4'-4 5/32" (1325) **ATAD**6438	4'-5 3/16" (1351) **ATAD**6838	4'-6 9/32" (1379) **ATAD**7038	4'-5 3/4" (1365) **ATAD**7438		4'-7 29/32" (1420) **ATAD**8038
4'-8 5/32" (1426) **ATAD**6440	4'-9 3/16" (1452) **ATAD**6840	4'-10 9/32" (1481) **ATAD**7040	4'-9 3/4" (1466) **ATAD**7440		4'-11 29/32" (1521) **ATAD**8040
5'-0 5/32" (1528) **ATAD**6444	5'-1 3/16" (1554) **ATAD**6844	5'-2 9/32" (1582) **ATAD**7044	5'-1 3/4" (1568) **ATAD**7444		5'-3 29/32" (1623) **ATAD**8044
5'-4 5/32" (1629) **ATAD**6448	5'-5 3/16" (1656) **ATAD**6848	5'-6 9/32" (1684) **ATAD**7048	5'-5 3/4" (1670) **ATAD**7448		5'-7 29/32" (1725) **ATAD**8048

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)*

Notes on the next page also apply to this page.

Scale ⅛" (3) = 1'-0" (305) – 1:96

Window Dimension	4'-3 ¼" (1302)	4'-7 ¼" (1403)	4'-11 ¼" (1505)	5'-3 ¼" (1607)	5'-7 ¼" (1708)	5'-11 ¼" (1810)
Minimum Rough Opening	4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
Unobstructed Glass	47 ¼" (1200)	51 ¼" (1302)	55 ¼" (1403)	59 ¼" (1505)	63 ¼" (1607)	67 ¼" (1708)

CUSTOM SIZES AVAILABLE

Window height shown in table

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

Unobstructed Glass = window height – 4" (102)

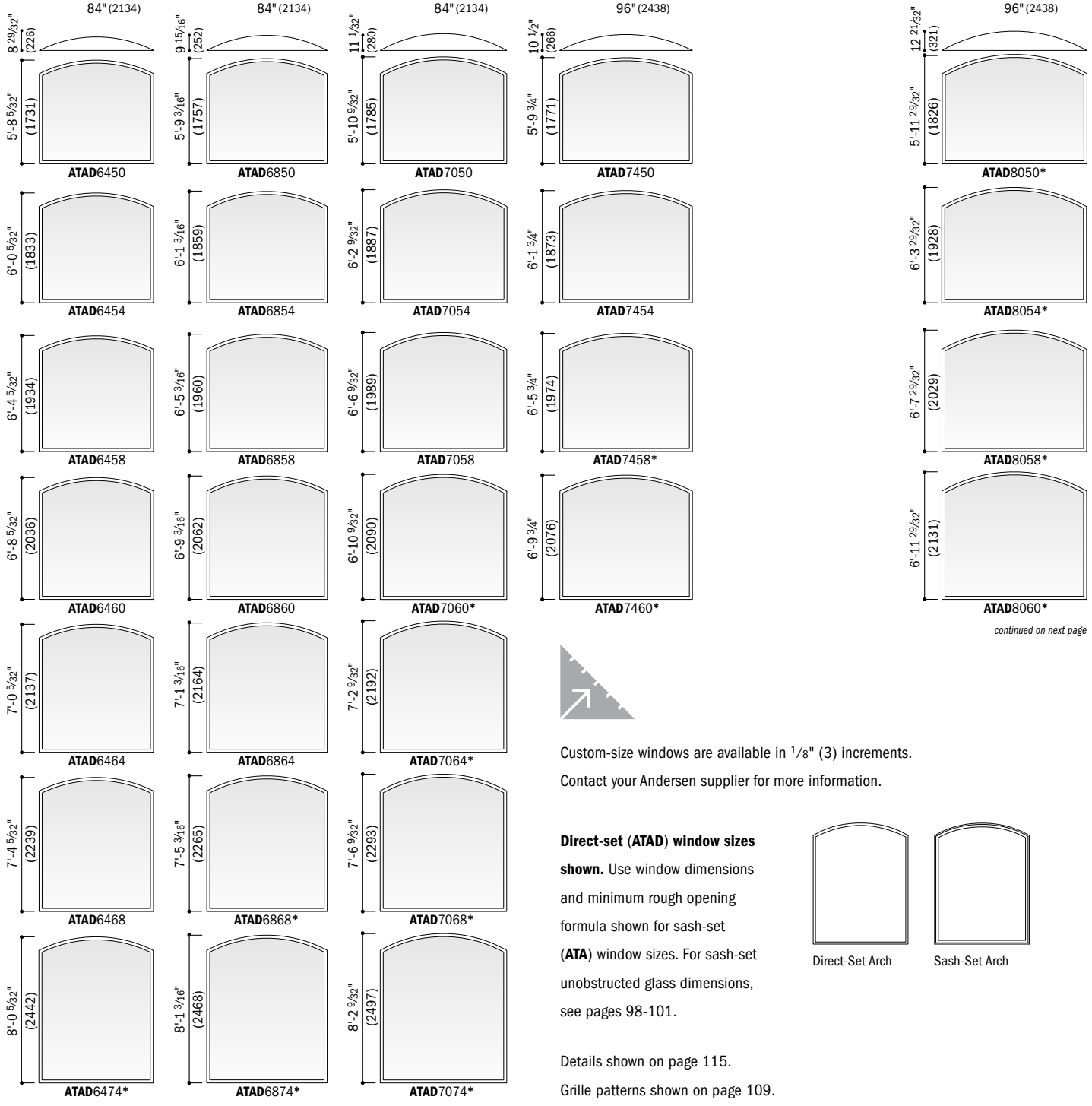
CUSTOM SIZES AVAILABLE

Radius	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 5/16" (186)	8 11/32" (212)	9 7/16" (240)
Shoulder Height 59 ¼" (1505)	5'-5" (1651) **ATAD**4450	5'-6" (1676) **ATAD**4850	5'-7 1/16" (1704) **ATAD**5050	5'-6 9/16" (1691) **ATAD**5450	5'-7 19/32" (1717) **ATAD**5850	5'-8 11/16" (1745) **ATAD**6050
63 ¼" (1607)	5'-9" (1753) **ATAD**4454	5'-10" (1778) **ATAD**4854	5'-11 1/16" (1805) **ATAD**5054	5'-10 9/16" (1792) **ATAD**5454	5'-11 19/32" (1818) **ATAD**5854	6'-0 11/16" (1846) **ATAD**6054
67 ¼" (1708)	6'-1" (1854) **ATAD**4458	6'-2" (1879) **ATAD**4858	6'-3 1/16" (1907) **ATAD**5058	6'-2 9/16" (1894) **ATAD**5458	6'-3 19/32" (1920) **ATAD**5858	6'-4 11/16" (1948) **ATAD**6058
71 ¼" (1810)	6'-5" (1956) **ATAD**4460	6'-6" (1981) **ATAD**4860	6'-7 1/16" (2008) **ATAD**5060	6'-6 9/16" (1996) **ATAD**5460	6'-7 19/32" (2021) **ATAD**5860	6'-8 11/16" (2049) **ATAD**6060
75 ¼" (1911)	6'-9" (2057) **ATAD**4464	6'-10" (2082) **ATAD**4864	6'-11 1/16" (2110) **ATAD**5064	6'-10 9/16" (2097) **ATAD**5464	6'-11 19/32" (2123) **ATAD**5864	7'-0 11/16" (2151) **ATAD**6064
79 ¼" (2013)	7'-1" (2159) **ATAD**4468	7'-2" (2184) **ATAD**4868	7'-3 1/16" (2212) **ATAD**5068	7'-2 9/16" (2199) **ATAD**5468	7'-3 19/32" (2225) **ATAD**5868	7'-4 11/16" (2253) **ATAD**6068
87 ¼" (2216)	7'-9" (2362) **ATAD**4474	7'-10" (2387) **ATAD**4874	7'-11 1/16" (2415) **ATAD**5074	7'-10 9/16" (2402) **ATAD**5474	7'-11 19/32" (2428) **ATAD**5874	8'-0 11/16" (2456) **ATAD**6074

- "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)



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.

Direct-Set Arch Sash-Set Arch

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)*

Notes on the next page also apply to this page.

Scale ⅛" (3) = 1'-0" (305) – 1:96

Window Dimension	4'-3 ¼" (1302)	4'-7 ¼" (1403)	4'-11 ¼" (1505)	5'-3 ¼" (1607)	5'-7 ¼" (1708)	5'-11 ¼" (1810)
Minimum Rough Opening	4'-4" (1321)	4'-8" (1422)	5'-0" (1524)	5'-4" (1626)	5'-8" (1727)	6'-0" (1829)
Unobstructed Glass	47 ¼" (1200)	51 ¼" (1302)	55 ¼" (1403)	59 ¼" (1505)	63 ¼" (1607)	67 ¼" (1708)

CUSTOM SIZES AVAILABLE

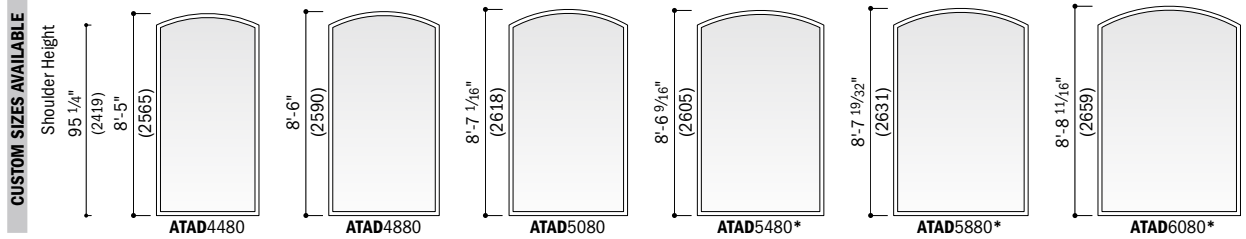
Window height shown in table

Radius	60" (1524)	60" (1524)	60" (1524)	72" (1829)	72" (1829)	72" (1829)
Chord Height	5 ¾" (146)	6 ¾" (171)	7 13/16" (199)	7 5/16" (186)	8 11/32" (212)	9 7/16" (240)
Shoulder Height	95 ¼" (2419)	8'-5" (2565)	8'-6" (2590)	8'-7 1/16" (2618)	8'-6 9/16" (2605)	8'-7 19/32" (2631)	8'-8 11/16" (2659)
	ATAD4480	**ATAD**4880	**ATAD**5080	**ATAD**5480*	**ATAD**5880*	**ATAD**6080*

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.

*Tempered glass required. Some visual distortion may occur.

Direct-Set Arch Window Area Specifications *(continued from page 89)*

Window Number	Glass Area Sq. Ft./(m²)
ATAD4858	24.22 (2.25)
ATAD4860	25.64 (2.38)
ATAD4864	27.06 (2.51)
ATAD4868	28.49 (2.65)
ATAD4874	31.33 (2.91)
ATAD4880	34.18 (3.18)
ATAD5010	4.91 (0.46)
ATAD5020	9.52 (0.88)
ATAD5024	11.05 (1.03)
ATAD5028	12.58 (1.17)
ATAD5030	14.12 (1.31)
ATAD5034	15.65 (1.45)
ATAD5038	17.19 (1.60)
ATAD5040	18.72 (1.74)
ATAD5044	20.26 (1.88)
ATAD5048	21.79 (2.02)
ATAD5050	23.33 (2.17)
ATAD5054	24.86 (2.31)
ATAD5058	26.40 (2.45)
ATAD5060	27.93 (2.59)
ATAD5064	29.47 (2.74)
ATAD5068	31.00 (2.88)
ATAD5074	34.07 (3.17)
ATAD5080	37.14 (3.45)
ATAD5410	5.11 (0.47)
ATAD5420	10.05 (0.93)
ATAD5424	11.69 (1.09)
ATAD5428	13.34 (1.24)
ATAD5430	14.98 (1.39)
ATAD5434	16.63 (1.54)
ATAD5438	18.28 (1.70)
ATAD5440	19.92 (1.85)

Window Number	Glass Area Sq. Ft./(m²)
ATAD5444	21.57 (2.00)
ATAD5448	23.21 (2.16)
ATAD5450	24.86 (2.31)
ATAD5454	26.51 (2.46)
ATAD5458	28.15 (2.62)
ATAD5460	29.80 (2.77)
ATAD5464	31.44 (2.92)
ATAD5468	33.09 (3.07)
ATAD5474	36.38 (3.38)
ATAD5480	39.67 (3.69)
ATAD5810	5.76 (0.54)
ATAD5820	11.04 (1.03)
ATAD5824	12.79 (1.19)
ATAD5828	14.55 (1.35)
ATAD5830	16.31 (1.51)
ATAD5834	18.06 (1.68)
ATAD5838	19.82 (1.84)
ATAD5840	21.58 (2.00)
ATAD5844	23.33 (2.17)
ATAD5848	25.09 (2.33)
ATAD5850	26.85 (2.49)
ATAD5854	28.60 (2.66)
ATAD5858	30.36 (2.82)
ATAD5860	32.12 (2.98)
ATAD5864	33.88 (3.15)
ATAD5868	35.63 (3.31)
ATAD5874	39.15 (3.64)
ATAD5880	42.66 (3.96)
ATAD6010	6.49 (0.60)
ATAD6020	12.09 (1.12)
ATAD6024	13.96 (1.30)
ATAD6028	15.83 (1.47)

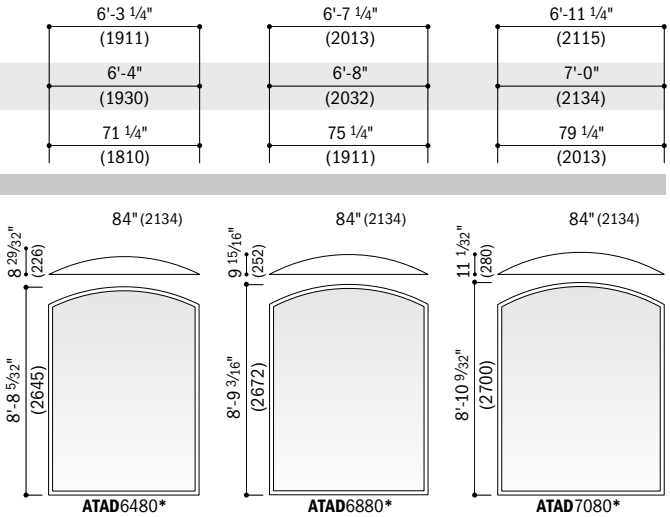
Window Number	Glass Area Sq. Ft./(m²)
ATAD6030	17.69 (1.64)
ATAD6034	19.56 (1.82)
ATAD6038	21.43 (1.99)
ATAD6040	23.30 (2.16)
ATAD6044	25.17 (2.34)
ATAD6048	27.03 (2.51)
ATAD6050	28.90 (2.69)
ATAD6054	30.77 (2.86)
ATAD6058	32.64 (3.03)
ATAD6060	34.51 (3.21)
ATAD6064	36.37 (3.38)
ATAD6068	38.24 (3.55)
ATAD6074	41.98 (3.90)
ATAD6080	45.71 (4.25)
ATAD6410	6.67 (0.62)
ATAD6420	12.61 (1.17)
ATAD6424	14.59 (1.36)
ATAD6428	16.57 (1.54)
ATAD6430	18.55 (1.72)
ATAD6434	20.53 (1.91)
ATAD6438	22.51 (2.09)
ATAD6440	24.49 (2.27)
ATAD6444	26.47 (2.46)
ATAD6448	28.45 (2.64)
ATAD6450	30.42 (2.83)
ATAD6454	32.40 (3.01)
ATAD6458	34.38 (3.19)
ATAD6460	36.36 (3.38)
ATAD6464	38.34 (3.56)
ATAD6468	40.32 (3.75)
ATAD6474	44.28 (4.11)
ATAD6480	48.24 (4.48)

Window Number	Glass Area Sq. Ft./(m²)
ATAD6810	7.42 (0.69)
ATAD6820	13.70 (1.27)
ATAD6824	15.79 (1.47)
ATAD6828	17.88 (1.66)
ATAD6830	19.97 (1.85)
ATAD6834	22.06 (2.05)
ATAD6838	24.15 (2.24)
ATAD6840	26.24 (2.44)
ATAD6844	28.33 (2.63)
ATAD6848	30.42 (2.83)
ATAD6850	32.51 (3.02)
ATAD6854	34.60 (3.21)
ATAD6858	36.69 (3.41)
ATAD6860	38.78 (3.60)
ATAD6864	40.87 (3.80)
ATAD6868	42.96 (3.99)
ATAD6874	47.14 (4.38)
ATAD6880	51.32 (4.77)
ATAD7010	8.24 (0.77)
ATAD7020	14.85 (1.38)
ATAD7024	17.05 (1.58)
ATAD7028	19.25 (1.79)
ATAD7030	21.45 (1.99)
ATAD7034	23.65 (2.20)
ATAD7038	25.85 (2.40)
ATAD7040	28.05 (2.61)
ATAD7044	30.26 (2.81)
ATAD7048	32.46 (3.02)
ATAD7050	34.66 (3.22)
ATAD7054	36.86 (3.42)

- Dimensions in parentheses are in square meters.

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Arch sizes on pages 84-99.



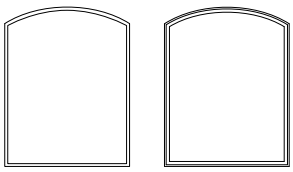
- "Window Dimension" always refers to outside frame to frame dimension.
- "**Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.**
- Dimensions in parentheses are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



Direct-Set Arch Sash-Set Arch

Details shown on page 115.

Grille patterns shown on page 109.

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

Window Number	Glass Area Sq. Ft./(m²)
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./(m²)
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./(m²)
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./(m²)
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)

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

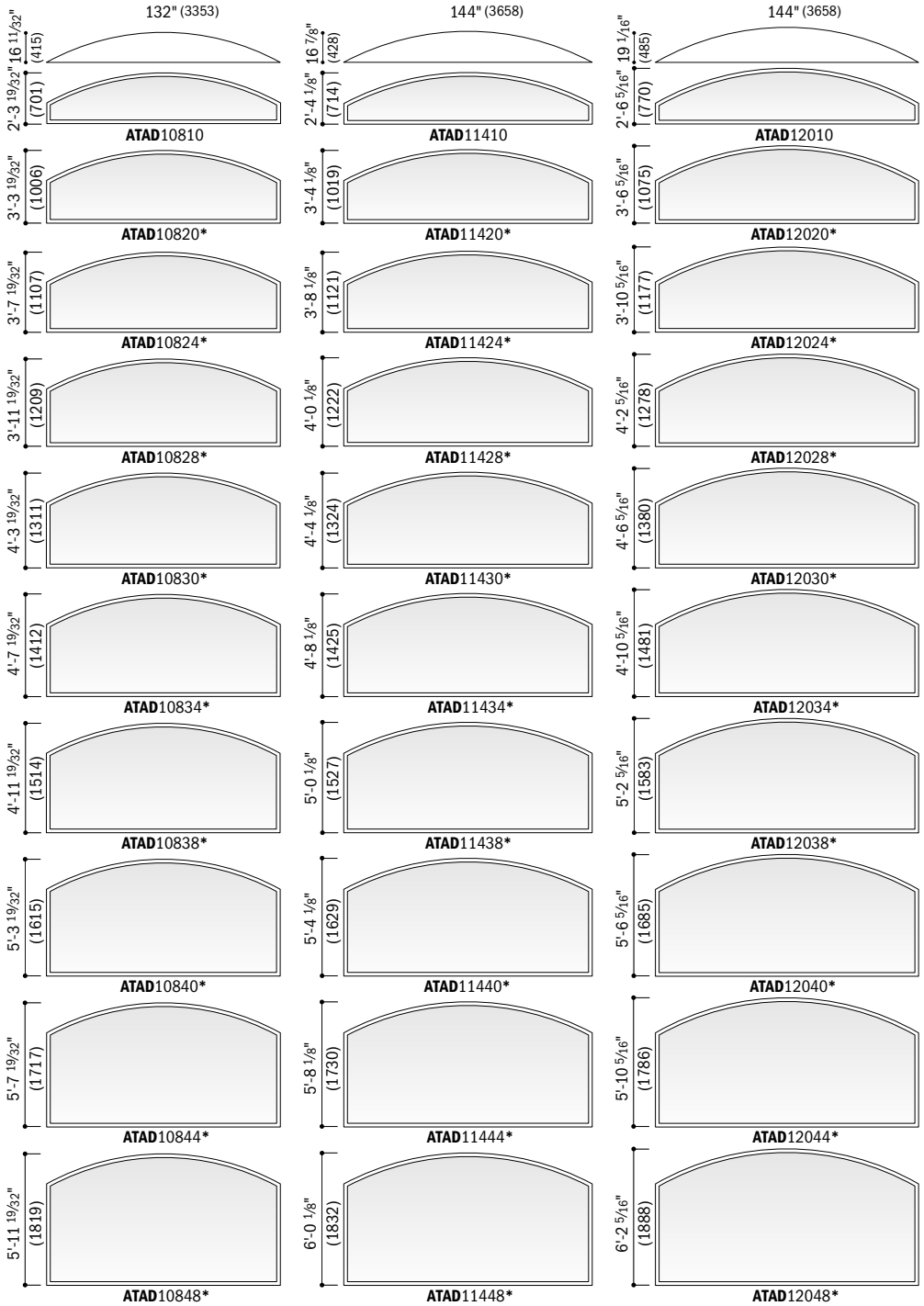
Radius	120" (3048)	120" (3048)	120" (3048)	120" (3048)
Chord Height	11 11⁄16" (296)	12 7⁄16" (316)	13 21⁄32" (347)	15 7⁄8" (403)
Shoulder Height 11 1⁄4" (286)	1'-10 15⁄16" (582) **ATAD**8810	1'-11 11⁄16" (602) **ATAD**81110	2'-0 29⁄32" (633) **ATAD**9410	2'-3 1⁄8" (689) **ATAD**10010
23 1⁄4" (591)	2'-10 15⁄16" (887) **ATAD**8820	2'-11 11⁄16" (907) **ATAD**81120	3'-0 29⁄32" (938) **ATAD**9420	3'-3 1⁄8" (993) **ATAD**10020
27 1⁄4" (692)	3'-2 15⁄16" (989) **ATAD**8824	3'-3 11⁄16" (1008) **ATAD**81124	3'-4 29⁄32" (1039) **ATAD**9424	3'-7 1⁄8" (1095) **ATAD**10024*
31 1⁄4" (794)	3'-6 15⁄16" (1090) **ATAD**8828	3'-7 11⁄16" (1110) **ATAD**81128	3'-8 29⁄32" (1141) **ATAD**9428*	3'-11 1⁄8" (1197) **ATAD**10028*
35 1⁄4" (895)	3'-10 15⁄16" (1192) **ATAD**8830	3'-11 11⁄16" (1211) **ATAD**81130*	4'-0 29⁄32" (1243) **ATAD**9430*	4'-3 1⁄8" (1298) **ATAD**10030*
39 1⁄4" (997)	4'-2 15⁄16" (1293) **ATAD**8834		4'-4 29⁄32" (1344) **ATAD**9434*	4'-7 1⁄8" (1400) **ATAD**10034*
43 1⁄4" (1099)	4'-6 15⁄16" (1395) **ATAD**8838		4'-8 29⁄32" (1446) **ATAD**9438*	4'-11 1⁄8" (1501) **ATAD**10038*
47 1⁄4" (1200)	4'-10 15⁄16" (1497) **ATAD**8840		5'-0 29⁄32" (1547) **ATAD**9440*	5'-3 1⁄8" (1603) **ATAD**10040*
51 1⁄4" (1302)	5'-2 15⁄16" (1598) **ATAD**8844*		5'-4 29⁄32" (1649) **ATAD**9444*	5'-7 1⁄8" (1705) **ATAD**10044*
55 1⁄4" (1403)	5'-6 15⁄16" (1700) **ATAD**8848*		5'-8 29⁄32" (1751) **ATAD**9448*	5'-11 1⁄8" (1806) **ATAD**10048*

- "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.

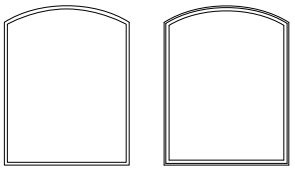
Arch sizes on pages 84-99.

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)



continued on next page

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.

- "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.

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)

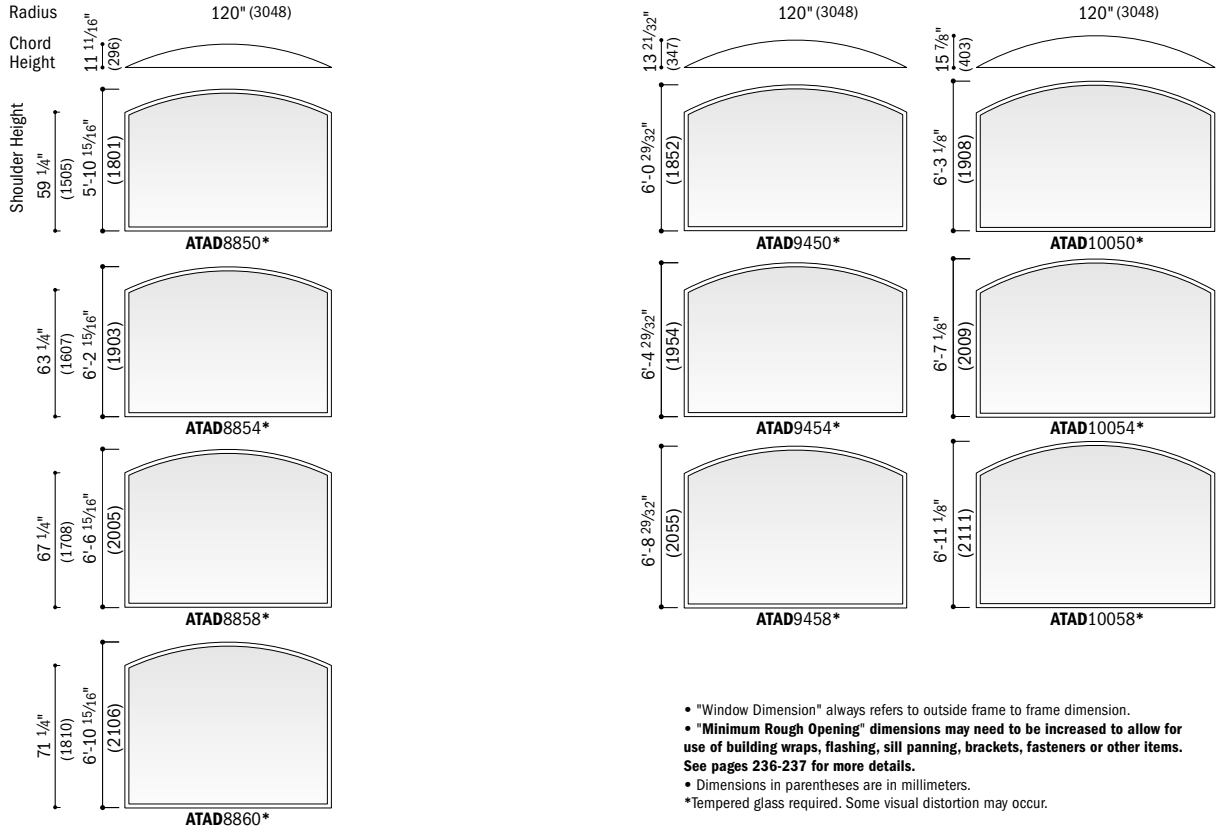
CUSTOM SIZES AVAILABLE

Window height shown in table

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

Unobstructed Glass = window height – 4" (102)

CUSTOM SIZES AVAILABLE



- "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./(m²)
ATA2010	16 5/8" (421)	7 5/8" (193)	0.81 (0.08)
ATA2020	16 5/8" (421)	19 5/8" (498)	2.19 (0.20)
ATA2024	16 5/8" (421)	23 5/8" (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./(m²)
ATA2124	17 1/2" (444)	23 1/8" (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)

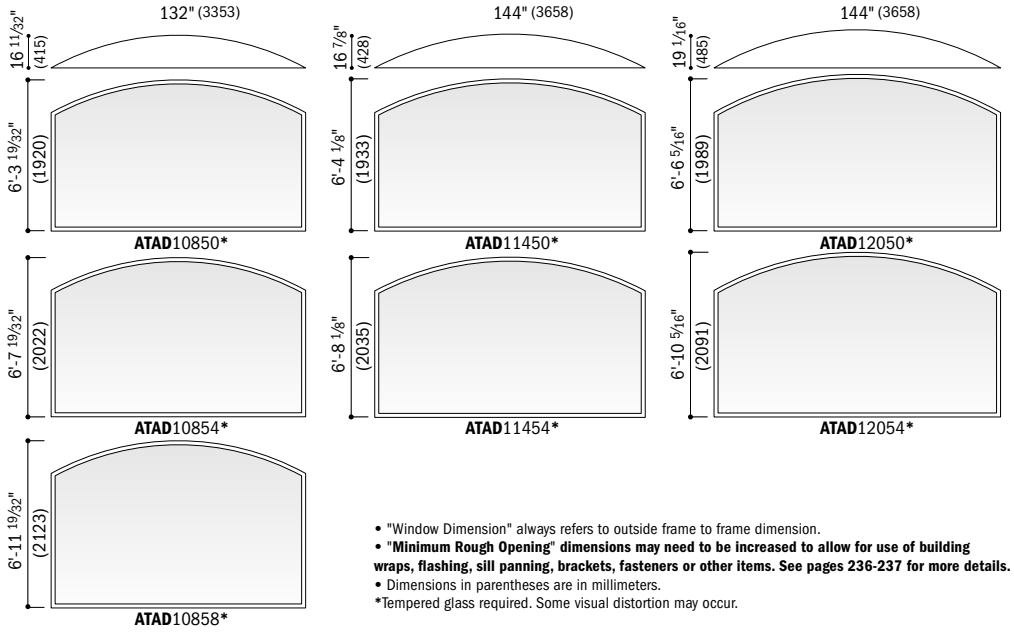
Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./(m²)
ATA2480	20 5/8" (523)	91 7/8" (2333)	13.04 (1.21)
ATA2610	22 5/8" (574)	8 3/8" (213)	1.19 (0.11)
ATA2620	22 5/8" (574)	20 3/8" (518)	3.07 (0.29)
ATA2624	22 5/8" (574)	24 3/8" (620)	3.70 (0.34)
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.

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 (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.

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^2)
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 5/8" (625)	8 3/16" (207)	1.26 (0.12)
ATA2820	24 5/8" (625)	20 3/16" (512)	3.31 (0.31)
ATA2824	24 5/8" (625)	24 3/16" (614)	3.99 (0.37)
ATA2828	24 5/8" (625)	28 3/16" (715)	4.68 (0.43)
ATA2830	24 5/8" (625)	32 3/16" (817)	5.36 (0.50)
ATA2834	24 5/8" (625)	36 3/16" (919)	6.04 (0.56)
ATA2838	24 5/8" (625)	40 3/16" (1020)	6.72 (0.62)
ATA2840	24 5/8" (625)	44 3/16" (1122)	7.41 (0.69)
ATA2844	24 5/8" (625)	48 3/16" (1223)	8.09 (0.75)
ATA2848	24 5/8" (625)	52 3/16" (1325)	8.77 (0.82)
ATA2850	24 5/8" (625)	56 3/16" (1427)	9.46 (0.88)
ATA2854	24 5/8" (625)	60 3/16" (1528)	10.14 (0.94)
ATA2858	24 5/8" (625)	64 3/16" (1630)	10.82 (1.01)
ATA2860	24 5/8" (625)	68 3/16" (1731)	11.51 (1.07)
ATA2864	24 5/8" (625)	72 3/16" (1833)	12.19 (1.13)
ATA2868	24 5/8" (625)	76 3/16" (1935)	12.87 (1.20)
ATA2874	24 5/8" (625)	84 3/16" (2138)	14.24 (1.32)
ATA2880	24 5/8" (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^2)
ATA2930	25 1/2" (647)	32 3/8" (822)	5.58 (0.52)
ATA2910**G**	25 3/4" (653)	8 7/16" (214)	1.35 (0.13)
ATA2920**G**	25 3/4" (653)	20 7/16" (519)	3.50 (0.32)
ATA2924**G**	25 3/4" (653)	24 7/16" (621)	4.21 (0.39)
ATA2928**G**	25 3/4" (653)	28 7/16" (722)	4.92 (0.46)
ATA2930**G**	25 3/4" (653)	32 7/16" (824)	5.64 (0.52)
ATA21010	26 5/8" (675)	8 11/16" (220)	1.43 (0.13)
ATA21020	26 5/8" (675)	20 11/16" (525)	3.65 (0.34)
ATA21024	26 5/8" (675)	24 11/16" (626)	4.38 (0.41)
ATA21028	26 5/8" (675)	28 11/16" (728)	5.12 (0.48)
ATA21030	26 5/8" (675)	32 11/16" (830)	5.86 (0.54)
ATA21034	26 5/8" (675)	36 11/16" (931)	6.60 (0.61)
ATA21038	26 5/8" (675)	40 11/16" (1033)	7.34 (0.68)
ATA21040	26 5/8" (675)	44 11/16" (1134)	8.08 (0.75)
ATA21044	26 5/8" (675)	48 11/16" (1236)	8.82 (0.82)
ATA21048	26 5/8" (675)	52 11/16" (1338)	9.55 (0.89)
ATA21050	26 5/8" (675)	56 11/16" (1439)	10.29 (0.96)
ATA21054	26 5/8" (675)	60 11/16" (1541)	11.03 (1.02)
ATA21058	26 5/8" (675)	64 11/16" (1642)	11.77 (1.09)
ATA21060	26 5/8" (675)	68 11/16" (1744)	12.51 (1.16)
ATA21064	26 5/8" (675)	72 11/16" (1846)	13.25 (1.23)
ATA21068	26 5/8" (675)	76 11/16" (1947)	13.99 (1.30)
ATA21074	26 5/8" (675)	84 11/16" (2150)	15.46 (1.44)
ATA21080	26 5/8" (675)	92 11/16" (2354)	16.94 (1.57)
ATA3010	28 5/8" (726)	9 3/16" (234)	1.61 (0.15)
ATA3020	28 5/8" (726)	21 3/16" (539)	4.00 (0.37)
ATA3024	28 5/8" (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^2)
ATA3028	28 5/8" (726)	29 3/16" (742)	5.59 (0.52)
ATA3030	28 5/8" (726)	33 3/16" (843)	6.38 (0.59)
ATA3034	28 5/8" (726)	37 3/16" (945)	7.17 (0.67)
ATA3038	28 5/8" (726)	41 3/16" (1047)	7.97 (0.74)
ATA3040	28 5/8" (726)	45 3/16" (1148)	8.76 (0.81)
ATA3044	28 5/8" (726)	49 3/16" (1250)	9.56 (0.89)
ATA3048	28 5/8" (726)	53 3/16" (1351)	10.35 (0.96)
ATA3050	28 5/8" (726)	57 3/16" (1453)	11.15 (1.04)
ATA3054	28 5/8" (726)	61 3/16" (1555)	11.94 (1.11)
ATA3058	28 5/8" (726)	65 3/16" (1656)	12.73 (1.18)
ATA3060	28 5/8" (726)	69 3/16" (1758)	13.53 (1.26)
ATA3064	28 5/8" (726)	73 3/16" (1859)	14.32 (1.33)
ATA3068	28 5/8" (726)	77 3/16" (1961)	15.12 (1.40)
ATA3074	28 5/8" 726)	85 3/16" (2164)	16.71 1.55)
ATA3080	28 5/8" (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.

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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./(m²)
ATA3234	30 5/8" (777)	36 15/16" (939)	7.63 (0.71)
ATA3238	30 5/8" (777)	40 15/16" (1040)	8.48 (0.79)
ATA3240	30 5/8" (777)	44 15/16" (1142)	9.33 (0.87)
ATA3244	30 5/8" (777)	48 15/16" (1243)	10.18 (0.95)
ATA3248	30 5/8" (777)	52 15/16" (1345)	11.03 (1.02)
ATA3250	30 5/8" (777)	56 15/16" (1447)	11.88 (1.10)
ATA3254	30 5/8" (777)	60 15/16" (1548)	12.73 (1.18)
ATA3258	30 5/8" (777)	64 15/16" (1650)	13.58 (1.26)
ATA3260	30 5/8" (777)	68 15/16" (1751)	14.43 (1.34)
ATA3264	30 5/8" (777)	72 15/16" (1853)	15.28 (1.42)
ATA3268	30 5/8" (777)	76 15/16" (1955)	16.13 (1.50)
ATA3274	30 5/8" (777)	84 15/16" (2158)	17.83 (1.66)
ATA3280	30 5/8" (777)	92 15/16" (2361)	19.53 (1.81)
ATA3310	31 1/2" (799)	9 3/16" (233)	1.76 (0.16)
ATA3320	31 1/2" (799)	21 3/16" (538)	4.39 (0.41)
ATA3324	31 1/2" (799)	25 3/16" (639)	5.26 (0.49)
ATA3328	31 1/2" (799)	29 3/16" (741)	6.14 (0.57)
ATA3330	31 1/2" (799)	33 3/16" (842)	7.01 (0.65)
ATA3310**G**	31 3/4" (806)	9 1/4" (235)	1.79 (0.17)
ATA3320**G**	31 3/4" (806)	21 1/4" (539)	4.43 (0.41)
ATA3324**G**	31 3/4" (806)	25 1/4" (641)	5.31 (0.49)
ATA3328**G**	31 3/4" (806)	29 1/4" (743)	6.19 (0.58)
ATA3330**G**	31 3/4" (806)	33 1/4" (844)	7.08 (0.66)
ATA3410	32 5/8" (828)	9 7/16" (240)	1.88 (0.17)
ATA3420	32 5/8" (828)	21 7/16" (545)	4.59 (0.43)
ATA3424	32 5/8" (828)	25 7/16" (647)	5.50 (0.51)
ATA3428	32 5/8" (828)	29 7/16" (748)	6.40 (0.59)
ATA3430	32 5/8" (828)	33 7/16" (850)	7.31 (0.68)
ATA3434	32 5/8" (828)	37 7/16" (952)	8.21 (0.76)
ATA3438	32 5/8" (828)	41 7/16" (1053)	9.12 (0.85)
ATA3440	32 5/8" (828)	45 7/16" (1155)	10.02 (0.93)
ATA3444	32 5/8" (828)	49 7/16" (1256)	10.93 (1.02)
ATA3448	32 5/8" (828)	53 7/16" (1358)	11.83 (1.10)
ATA3450	32 5/8" (828)	57 7/16" (1460)	12.74 (1.18)
ATA3454	32 5/8" (828)	61 7/16" (1561)	13.65 (1.27)
ATA3458	32 5/8" (828)	65 7/16" (1663)	14.55 (1.35)
ATA3460	32 5/8" (828)	69 7/16" (1764)	15.46 (1.44)
ATA3464	32 5/8" (828)	73 7/16" (1866)	16.36 (1.52)
ATA3468	32 5/8" (828)	77 7/16" (1968)	17.27 (1.60)
ATA3474	32 5/8" (828)	85 7/16" (2131)	19.08 (1.77)
ATA3480	32 5/8" (828)	93 7/16" (2374)	20.89 (1.94)
ATA3810	36 5/8" (929)	9 3/4" (247)	2.15 (0.20)
ATA3820	36 5/8" (929)	21 3/4" (552)	5.20 (0.48)
ATA3824	36 5/8" (929)	25 3/4" (654)	6.22 (0.58)
ATA3828	36 5/8" (929)	29 3/4" (755)	7.23 (0.67)
ATA3830	36 5/8" (929)	33 3/4" (857)	8.25 (0.77)
ATA3834	36 5/8" (929)	37 3/4" (959)	9.27 (0.86)
ATA3838	36 5/8" (929)	41 3/4" (1060)	10.28 (0.96)
ATA3840	36 5/8" (929)	45 3/4" (1162)	11.30 (1.05)
ATA3844	36 5/8" (929)	49 3/4" (1263)	12.31 (1.14)
ATA3848	36 5/8" (929)	53 3/4" (1365)	13.33 (1.24)
ATA3850	36 5/8" (929)	57 3/4" (1467)	14.35 (1.33)
ATA3854	36 5/8" (929)	61 3/4" (1568)	15.36 (1.43)
ATA3858	36 5/8" (929)	65 3/4" (1670)	16.38 (1.52)
ATA3860	36 5/8" (929)	69 3/4" (1771)	17.40 (1.62)
ATA3864	36 5/8" (929)	73 3/4" (1873)	18.41 (1.71)
ATA3868	36 5/8" (929)	77 3/4" (1975)	19.43 (1.81)
ATA3874	36 5/8" (929)	85 3/4" (2138)	21.46 (1.99)
ATA3880	36 5/8" (929)	93 3/4" (2381)	23.50 (2.18)
ATA3910	37 3/4" (958)	10" (255)	2.27 (0.21)
ATA3920	37 3/4" (958)	22" (560)	5.41 (0.50)
ATA3924	37 3/4" (958)	26" (661)	6.46 (0.60)
ATA3928	37 3/4" (958)	30" (763)	7.51 (0.70)
ATA3930	37 3/4" (958)	34" (864)	8.56 (0.79)
ATA4010	40 5/8" (1031)	10 13/16" (275)	2.60 (0.24)
ATA4020	40 5/8" (1031)	22 13/16" (579)	5.98 (0.56)
ATA4024	40 5/8" (1031)	26 13/16" (681)	7.11 (0.66)
ATA4028	40 5/8" (1031)	30 13/16" (783)	8.24 (0.77)
ATA4030	40 5/8" (1031)	34 13/16" (884)	9.37 (0.87)
ATA4034	40 5/8" (1031)	38 13/16" (986)	10.49 (0.97)
ATA4038	40 5/8" (1031)	42 13/16" (1087)	11.62 (1.08)
ATA4040	40 5/8" (1031)	46 13/16" (1189)	12.75 (1.18)
ATA4044	40 5/8" (1031)	50 13/16" (1291)	13.88 (1.29)
ATA4048	40 5/8" (1031)	54 13/16" (1392)	15.00 (1.39)
ATA4050	40 5/8" (1031)	58 13/16" (1494)	16.13 (1.50)
ATA4054	40 5/8" (1031)	62 13/16" (1595)	17.26 (1.60)
ATA4058	40 5/8" (1031)	66 13/16" (1697)	18.39 (1.71)
ATA4060	40 5/8" (1031)	70 13/16" (1799)	19.51 (1.81)
ATA4064	40 5/8" (1031)	74 13/16" (1900)	20.64 (1.92)
ATA4068	40 5/8" (1031)	78 13/16" (2002)	21.77 (2.02)
ATA4074	40 5/8" (1031)	86 13/16" (2205)	24.02 (2.23)
ATA4080	40 5/8" (1031)	94 13/16" (2408)	26.28 (2.44)
ATA4310	43 3/4" (1110)	10 1/8" (257)	2.64 (0.25)
ATA4320	43 3/4" (1110)	22 1/8" (562)	6.28 (0.58)
ATA4324	43 3/4" (1110)	26 1/8" (664)	7.50 (0.70)
ATA4328	43 3/4" (1110)	30 1/8" (765)	8.71 (0.81)
ATA4330	43 3/4" (1110)	34 1/8" (867)	9.93 (0.92)
ATA4410	44 5/8" (1133)	10 5/16" (263)	2.74 (0.25)
ATA4420	44 5/8" (1133)	22 5/16" (567)	6.45 (0.60)
ATA4424	44 5/8" (1133)	26 5/16" (669)	7.69 (0.71)
ATA4428	44 5/8" (1133)	30 5/16" (771)	8.93 (0.83)
ATA4430	44 5/8" (1133)	34 5/16" (872)	10.17 (0.94)
ATA4434	44 5/8" (1133)	38 5/16" (974)	11.41 (1.06)
ATA4438	44 5/8" (1133)	42 5/16" (1075)	12.65 (1.18)
ATA4440	44 5/8" (1133)	46 5/16" (1177)	13.89 (1.29)
ATA4444	44 5/8" (1133)	50 5/16" (1279)	15.13 (1.41)
ATA4448	44 5/8" (1133)	54 5/16" (1380)	16.36 (1.52)
ATA4450	44 5/8" (1133)	58 5/16" (1482)	17.60 (1.64)
ATA4454	44 5/8" (1133)	62 5/16" (1583)	18.84 (1.75)
ATA4458	44 5/8" (1133)	66 5/16" (1685)	20.08 (1.87)
ATA4460	44 5/8" (1133)	70 5/16" (1787)	21.32 (1.98)
ATA4464	44 5/8" (1133)	74 5/16" (1888)	22.56 (2.10)
ATA4468	44 5/8" (1133)	78 5/16" (1990)	23.80 (2.21)
ATA4474	44 5/8" (1133)	86 5/16" (2193)	26.27 (2.44)
ATA4480	44 5/8" (1133)	94 5/16" (2396)	28.75 (2.67)
ATA4810	48 5/8" (1234)	11 5/16" (288)	3.22 (0.30)
ATA4820	48 5/8" (1234)	23 5/16" (593)	7.27 (0.68)
ATA4824	48 5/8" (1234)	27 5/16" (694)	8.62 (0.80)
ATA4828	48 5/8" (1234)	31 5/16" (796)	9.97 (0.93)
ATA4830	48 5/8" (1234)	35 5/16" (897)	11.32 (1.05)
ATA4834	48 5/8" (1234)	39 5/16" (999)	12.67 (1.18)
ATA4838	48 5/8" (1234)	43 5/16" (1101)	14.02 (1.30)
ATA4840	48 5/8" (1234)	47 5/16" (1202)	15.37 (1.43)
ATA4844	48 5/8" (1234)	51 5/16" (1304)	16.72 (1.55)
ATA4848	48 5/8" (1234)	55 5/16" (1405)	18.07 (1.68)
ATA4850	48 5/8" (1234)	59 5/16" (1507)	19.42 (1.80)
ATA4854	48 5/8" (1234)	63 5/16" (1609)	20.77 (1.93)
ATA4858	48 5/8" (1234)	67 5/16" (1710)	22.12 (2.05)
ATA4860	48 5/8" (1234)	71 5/16" (1812)	23.47 (2.18)
ATA4864	48 5/8" (1234)	75 5/16" (1913)	24.82 (2.31)
ATA4868	48 5/8" (1234)	79 5/16" (2015)	26.17 (2.43)
ATA4874	48 5/8" (1234)	87 5/16" (2218)	28.87 (2.68)
ATA4880	48 5/8" (1234)	95 5/16" (2421)	31.57 (2.93)
ATA5010	52 5/8" (1336)	12 7/16" (315)	3.77 (0.35)
ATA5020	52 5/8" (1336)	24 7/16" (620)	8.15 (0.76)
ATA5024	52 5/8" (1336)	28 7/16" (722)	9.61 (0.89)
ATA5028	52 5/8" (1336)	32 7/16" (823)	11.07 (1.03)
ATA5030	52 5/8" (1336)	36 7/16" (925)	12.53 (1.16)
ATA5034	52 5/8" (1336)	40 7/16" (1027)	13.99 (1.30)
ATA5038	52 5/8" (1336)	44 7/16" (1128)	15.45 (1.44)
ATA5040	52 5/8" (1336)	48 7/16" (1230)	16.92 (1.57)
ATA5044	52 5/8" (1336)	52 7/16" (1331)	18.38 (1.71)
ATA5048	52 5/8" (1336)	56 7/16" (1433)	19.84 (1.84)
ATA5050	52 5/8" (1336)	60 7/16" (1535)	21.30 (1.98)
ATA5054	52 5/8" (1336)	64 7/16" (1636)	22.76 (2.11)
ATA5058	52 5/8" (1336)	68 7/16" (1738)	24.22 (2.25)
ATA5060	52 5/8" (1336)	72 7/16" (1839)	25.68 (2.39)
ATA5064	52 5/8" (1336)	76 7/16" (1941)	27.14 (2.52)
ATA5068	52 5/8" (1336)	80 7/16" (2043)	28.60 (2.66)
ATA5074	52 5/8" (1336)	88 7/16" (2246)	31.52 (2.93)
ATA5080	52 5/8" (1336)	96 7/16" (2449)	34.45 (3.20)
ATA5410	56 5/8" (1437)	11 15/16" (303)	3.90 (0.36)
ATA5420	56 5/8" (1437)	23 15/16" (607)	8.61 (0.80)
ATA5424	56 5/8" (1437)	27 15/16" (709)	10.18 (0.95)
ATA5428	56 5/8" (1437)	31 15/16" (811)	11.76 (1.09)
ATA5430	56 5/8" (1437)	35 15/16" (912)	13.33 (1.24)
ATA5434	56 5/8" (1437)	39 15/16" (1014)	14.90 (1.38)
ATA5438	56 5/8" (1437)	43 15/16" (1115)	16.47 (1.53)
ATA5440	56 5/8" (1437)	47 15/16" (1213)	18.05 (1.68)
ATA5444	56 5/8" (1437)	51 15/16" (1319)	19.62 (1.82)
ATA5448	56 5/8" (1437)	55 15/16" (1420)	21.19 (1.97)
ATA5450	56 5/8" (1437)	59 15/16" (1522)	22.76 (2.11)
ATA5454	56 5/8" (1437)	63 15/16" (1623)	24.33 (2.26)
ATA5458	56 5/8" (1437)	67 15/16" (1725)	25.91 (2.41)
ATA5460	56 5/8" (1437)	71 15/16" (1827)	27.48 (2.55)
ATA5464	56 5/8" (1437)	75 15/16" (1928)	29.05 (2.70)
ATA5468	56 5/8" (1437)	79 15/16" (2030)	30.62 (2.84)
ATA5474	56 5/8" (1437)	87 15/16" (2233)	33.77 (3.14)
ATA5480	56 5/8" (1437)	95 15/16" (2436)	36.91 (3.43)
ATA5810	60 5/8" (1539)	12 15/16" (328)	4.47 (0.42)
ATA5820	60 5/8" (1539)	24 15/16" (633)	9.52 (0.88)
ATA5824	60 5/8" (1539)	28 15/16" (735)	11.21 (1.04)
ATA5828	60 5/8" (1539)	32 15/16" (836)	12.89 (1.20)
ATA5830	60 5/8" (1539)	36 15/16" (938)	14.57 (1.35)
ATA5834	60 5/8" (1539)	40 15/16" (1040)	16.26 (1.51)
ATA5838	60 5/8" (1539)	44 15/16" (1141)	17.94 (1.67)
ATA5840	60 5/8" (1539)	48 15/16" (1243)	19.62 (1.82)
ATA5844	60 5/8" (1539)	52 15/16" (1344)	21.30 (1.98)
ATA5848	60 5/8" (1539)	56 15/16" (1446)	22.99 (2.14)
ATA5850	60 5/8" (1539)	60 15/16" (1548)	24.67 (2.29)
ATA5854	60 5/8" (1539)	64 15/16" (1649)	26.35 (2.45)
ATA5858	60 5/8" (1539)	68 15/16" (1751)	28.04 (2.60)
ATA5860	60 5/8" (1539)	72 15/16" (1852)	29.72 (2.76)
ATA5864	60 5/8" (1539)	76 15/16" (1954)	31.40 (2.92)
ATA5868	60 5/8" (1539)	80 15/16" (2056)	33.09 (3.07)
ATA5874	60 5/8" (1539)	88 15/16" (2259)	36.45 (3.39)
ATA5880	60 5/8" (1539)	96 15/16" (2462)	39.82 (3.70)
ATA6010	64 5/8" (1641)	14" (356)	5.11 (0.48)
ATA6020	64 5/8" (1641)	26" (661)	10.50 (0.98)
ATA6024	64 5/8" (1641)	30" (763)	12.29 (1.14)
ATA6028	64 5/8" (1641)	34" (864)	14.09 (1.31)
ATA6030	64 5/8" (1641)	38" (966)	15.88 (1.48)

• Dimensions in parentheses are in millimeters or square meters.

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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./(m²)
ATA6034	64 5/8" (1641)	42" (1067)	17.67 (1.64)
ATA6038	64 5/8" (1641)	46" (1169)	19.47 (1.81)
ATA6040	64 5/8" (1641)	50" (1271)	21.26 (1.98)
ATA6044	64 5/8" (1641)	54" (1372)	23.06 (2.14)
ATA6048	64 5/8" (1641)	58" (1474)	24.85 (2.31)
ATA6050	64 5/8" (1641)	62" (1575)	26.65 (2.48)
ATA6054	64 5/8" (1641)	66" (1677)	28.44 (2.64)
ATA6058	64 5/8" (1641)	70" (1779)	30.23 (2.81)
ATA6060	64 5/8" (1641)	74" (1880)	32.03 (2.98)
ATA6064	64 5/8" (1641)	78" (1982)	33.82 (3.14)
ATA6068	64 5/8" (1641)	82" (2083)	35.62 (3.31)
ATA6074	64 5/8" (1641)	90" (2287)	39.21 (3.64)
ATA6080	64 5/8" (1641)	98" (2490)	42.79 (3.98)
ATA6410	68 5/8" (1742)	13 1/2" (343)	5.24 (0.49)
ATA6420	68 5/8" (1742)	25 1/2" (647)	10.95 (1.02)
ATA6424	68 5/8" (1742)	29 1/2" (749)	12.86 (1.19)
ATA6428	68 5/8" (1742)	33 1/2" (851)	14.76 (1.37)
ATA6430	68 5/8" (1742)	37 1/2" (952)	16.67 (1.55)
ATA6434	68 5/8" (1742)	41 1/2" (1054)	18.57 (1.73)
ATA6438	68 5/8" (1742)	45 1/2" (1155)	20.48 (1.90)
ATA6440	68 5/8" (1742)	49 1/2" (1257)	22.38 (2.08)
ATA6444	68 5/8" (1742)	53 1/2" (1359)	24.29 (2.26)
ATA6448	68 5/8" (1742)	57 1/2" (1460)	26.19 (2.43)
ATA6450	68 5/8" (1742)	61 1/2" (1562)	28.10 (2.61)
ATA6454	68 5/8" (1742)	65 1/2" (1663)	30.01 (2.79)
ATA6458	68 5/8" (1742)	69 1/2" (1765)	31.91 (2.96)
ATA6460	68 5/8" (1742)	73 1/2" (1867)	33.82 (3.14)
ATA6464	68 5/8" (1742)	77 1/2" (1968)	35.72 (3.32)
ATA6468	68 5/8" (1742)	81 1/2" (2070)	37.63 (3.50)
ATA6474	68 5/8" (1742)	89 1/2" (2273)	41.44 (3.85)
ATA6480	68 5/8" (1742)	97 1/2" (2476)	45.25 (4.20)
ATA6810	72 5/8" (1844)	14 1/2" (369)	5.91 (0.55)
ATA6820	72 5/8" (1844)	26 1/2" (674)	11.96 (1.11)
ATA6824	72 5/8" (1844)	30 1/2" (775)	13.97 (1.30)
ATA6828	72 5/8" (1844)	34 1/2" (877)	15.99 (1.49)
ATA6830	72 5/8" (1844)	38 1/2" (979)	18.01 (1.67)
ATA6834	72 5/8" (1844)	42 1/2" (1080)	20.02 (1.86)
ATA6838	72 5/8" (1844)	46 1/2" (1182)	22.04 (2.05)
ATA6840	72 5/8" (1844)	50 1/2" (1283)	24.05 (2.23)
ATA6844	72 5/8" (1844)	54 1/2" (1385)	26.07 (2.42)
ATA6848	72 5/8" (1844)	58 1/2" (1487)	28.09 (2.61)
ATA6850	72 5/8" (1844)	62 1/2" (1588)	30.10 (2.80)
ATA6854	72 5/8" (1844)	66 1/2" (1690)	32.12 (2.98)
ATA6858	72 5/8" (1844)	70 1/2" (1791)	34.14 (3.17)
ATA6860	72 5/8" (1844)	74 1/2" (1893)	36.15 (3.36)
ATA6864	72 5/8" (1844)	78 1/2" (1995)	38.17 (3.55)
ATA6868	72 5/8" (1844)	82 1/2" (2096)	40.19 (3.73)
ATA6874	72 5/8" (1844)	90 1/2" (2299)	44.22 (4.11)
ATA6880	72 5/8" (1844)	98 1/2" (2503)	48.25 (4.48)
ATA7010	76 5/8" (1945)	15 5/8" (397)	6.64 (0.62)
ATA7020	76 5/8" (1945)	27 5/8" (702)	13.03 (1.21)
ATA7024	76 5/8" (1945)	31 5/8" (803)	15.15 (1.41)
ATA7028	76 5/8" (1945)	35 5/8" (905)	17.28 (1.61)
ATA7030	76 5/8" (1945)	39 5/8" (1007)	19.41 (1.80)
ATA7034	76 5/8" (1945)	43 5/8" (1108)	21.54 (2.00)
ATA7038	76 5/8" (1945)	47 5/8" (1210)	23.66 (2.20)
ATA7040	76 5/8" (1945)	51 5/8" (1311)	25.79 (2.40)
ATA7044	76 5/8" (1945)	55 5/8" (1413)	27.92 (2.59)
ATA7048	76 5/8" (1945)	59 5/8" (1515)	30.05 (2.79)
ATA7050	76 5/8" (1945)	63 5/8" (1616)	32.18 (2.99)
ATA7054	76 5/8" (1945)	67 5/8" (1718)	34.30 (3.19)
ATA7058	76 5/8" (1945)	71 5/8" (1819)	36.43 (3.38)
ATA7060	76 5/8" (1945)	75 5/8" (1921)	38.56 (3.58)
ATA7064	76 5/8" (1945)	79 5/8" (2023)	40.69 (3.78)
ATA7068	76 5/8" (1945)	83 5/8" (2124)	42.81 (3.98)
ATA7074	76 5/8" (1945)	91 5/8" (2327)	47.07 (4.37)
ATA7080	76 5/8" (1945)	99 5/8" (2531)	51.32 (4.77)
ATA7410	80 5/8" (2047)	15 1/16" (383)	6.76 (0.63)
ATA7420	80 5/8" (2047)	27 1/16" (688)	13.47 (1.25)
ATA7424	80 5/8" (2047)	31 1/16" (789)	15.71 (1.46)
ATA7428	80 5/8" (2047)	35 1/16" (891)	17.95 (1.67)
ATA7430	80 5/8" (2047)	39 1/16" (993)	20.19 (1.88)
ATA7434	80 5/8" (2047)	43 1/16" (1094)	22.43 (2.08)
ATA7438	80 5/8" (2047)	47 1/16" (1196)	24.66 (2.29)
ATA7440	80 5/8" (2047)	51 1/16" (1297)	26.90 (2.50)
ATA7444	80 5/8" (2047)	55 1/16" (1399)	29.14 (2.71)
ATA7448	80 5/8" (2047)	59 1/16" (1501)	31.38 (2.92)
ATA7450	80 5/8" (2047)	63 1/16" (1602)	33.62 (3.12)
ATA7454	80 5/8" (2047)	67 1/16" (1704)	35.86 (3.33)
ATA7458	80 5/8" (2047)	71 1/16" (1805)	38.10 (3.54)
ATA7460	80 5/8" (2047)	75 1/16" (1907)	40.34 (3.75)
ATA71110	87 13/16" (2230)	17" (432)	8.18 (0.76)
ATA71120	87 13/16" (2230)	29" (737)	15.49 (1.44)
ATA71124	87 13/16" (2230)	33" (838)	17.93 (1.67)
ATA71128	87 13/16" (2230)	37" (940)	20.37 (1.89)
ATA71130	87 13/16" (2230)	41" (1042)	22.81 (2.12)
ATA8010	88 5/8" (2250)	17 1/4" (438)	8.35 (0.78)
ATA8020	88 5/8" (2250)	29 1/4" (743)	15.74 (1.46)
ATA8024	88 5/8" (2250)	33 1/4" (844)	18.20 (1.69)
ATA8028	88 5/8" (2250)	37 1/4" (946)	20.66 (1.92)
ATA8030	88 5/8" (2250)	41 1/4" (1047)	23.12 (2.15)
ATA8034	88 5/8" (2250)	45 1/4" (1149)	25.58 (2.38)
ATA8038	88 5/8" (2250)	49 1/4" (1251)	28.04 (2.61)
ATA8040	88 5/8" (2250)	53 1/4" (1352)	30.50 (2.83)
ATA8044	88 5/8" (2250)	57 1/4" (1454)	32.96 (3.06)
ATA8048	88 5/8" (2250)	61 1/4" (1555)	35.42 (3.29)
ATA8050	88 5/8" (2250)	65 1/4" (1657)	37.89 (3.52)
ATA8054	88 5/8" (2250)	69 1/4" (1759)	40.35 (3.75)
ATA8058	88 5/8" (2250)	73 1/4" (1860)	43.81 (3.98)
ATA8060	88 5/8" (2250)	77 1/4" (1962)	45.27 (4.21)
ATA8810	96 5/8" (2453)	16 1/4" (413)	8.61 (0.80)
ATA8820	96 5/8" (2453)	28 1/4" (718)	16.66 (1.55)
ATA8824	96 5/8" (2453)	32 1/4" (820)	19.35 (1.80)
ATA8828	96 5/8" (2453)	36 1/4" (921)	22.03 (2.05)
ATA8830	96 5/8" (2453)	40 1/4" (1023)	24.71 (2.30)
ATA8834	96 5/8" (2453)	44 1/4" (1124)	27.40 (2.55)
ATA8838	96 5/8" (2453)	48 1/4" (1226)	30.08 (2.79)
ATA8840	96 5/8" (2453)	52 1/4" (1328)	32.76 (3.04)
ATA8844	96 5/8" (2453)	56 1/4" (1429)	35.45 (3.29)
ATA8848	96 5/8" (2453)	60 1/4" (1531)	38.13 (3.54)
ATA8850	96 5/8" (2453)	64 1/4" (1632)	40.81 (3.79)
ATA8854	96 5/8" (2453)	68 1/4" (1734)	43.50 (4.04)
ATA8858	96 5/8" (2453)	72 1/4" (1836)	46.18 (4.29)
ATA8860	96 5/8" (2453)	76 1/4" (1937)	48.86 (4.54)
ATA81110	99 13/16" (2534)	17 1/16" (433)	9.27 (0.86)
ATA81120	99 13/16" (2534)	29 1/16" (738)	17.59 (1.63)
ATA81124	99 13/16" (2534)	33 1/16" (839)	20.36 (1.89)
ATA81128	99 13/16" (2534)	37 1/16" (941)	23.13 (2.15)
ATA81130	99 13/16" (2534)	41 1/16" (1042)	25.90 (2.41)
ATA9410	104 5/8" (2657)	18 1/4" (464)	10.34 (0.96)
ATA9420	104 5/8" (2657)	30 1/4" (769)	19.05 (1.77)
ATA9424	104 5/8" (2657)	34 1/4" (870)	21.96 (2.04)
ATA9428	104 5/8" (2657)	38 1/4" (972)	24.86 (2.31)
ATA9430	104 5/8" (2657)	42 1/4" (1074)	27.77 (2.58)
ATA9434	104 5/8" (2657)	46 1/4" (1175)	30.67 (2.85)
ATA9438	104 5/8" (2657)	50 1/4" (1277)	33.58 (3.12)
ATA9440	104 5/8" (2657)	54 1/4" (1378)	36.49 (3.39)
ATA9444	104 5/8" (2657)	58 1/4" (1480)	39.39 (3.66)
ATA9448	104 5/8" (2657)	62 1/4" (1582)	42.30 (3.93)
ATA9450	104 5/8" (2657)	66 1/4" (1683)	45.20 (4.20)
ATA9454	104 5/8" (2657)	70 1/4" (1785)	48.11 (4.47)
ATA9458	104 5/8" (2657)	74 1/4" (1886)	51.01 (4.74)
ATA10010	112 5/8" (2860)	20 7/16" (520)	12.32 (1.14)
ATA10020	112 5/8" (2860)	32 7/16" (824)	21.70 (2.02)
ATA10024	112 5/8" (2860)	36 7/16" (926)	24.83 (2.31)
ATA10028	112 5/8" (2860)	40 7/16" (1028)	27.96 (2.60)
ATA10030	112 5/8" (2860)	44 7/16" (1129)	31.08 (2.89)
ATA10034	112 5/8" (2860)	48 7/16" (1231)	34.21 (3.18)
ATA10038	112 5/8" (2860)	52 7/16" (1332)	37.34 (3.47)
ATA10040	112 5/8" (2860)	56 7/16" (1434)	40.47 (3.76)
ATA10044	112 5/8" (2860)	60 7/16" (1536)	43.59 (4.05)
ATA10048	112 5/8" (2860)	64 7/16" (1637)	46.72 (4.34)
ATA10050	112 5/8" (2860)	68 7/16" (1739)	49.85 (4.63)
ATA10054	112 5/8" (2860)	72 7/16" (1840)	52.98 (4.92)
ATA10058	112 5/8" (2860)	76 7/16" (1942)	56.11 (5.21)
ATA10810	120 5/8" (3063)	20 7/16" (532)	13.45 (1.25)
ATA10820	120 5/8" (3063)	32 7/16" (837)	23.50 (2.18)
ATA10824	120 5/8" (3063)	36 7/16" (938)	26.85 (2.49)
ATA10828	120 5/8" (3063)	40 7/16" (1040)	30.20 (2.81)
ATA10830	120 5/8" (3063)	44 7/16" (1141)	33.55 (3.12)
ATA10834	120 5/8" (3063)	48 7/16" (1243)	36.90 (3.43)
ATA10838	120 5/8" (3063)	52 7/16" (1345)	40.25 (3.74)
ATA10840	120 5/8" (3063)	56 7/16" (1446)	43.60 (4.05)
ATA10844	120 5/8" (3063)	60 7/16" (1548)	46.95 (4.36)
ATA10848	120 5/8" (3063)	64 7/16" (1649)	50.30 (4.67)
ATA10850	120 5/8" (3063)	68 7/16" (1751)	53.65 (4.98)
ATA10854	120 5/8" (3063)	72 7/16" (1853)	57.00 (5.30)
ATA10858	120 5/8" (3063)	76 7/16" (1954)	60.35 (5.61)
ATA11410	128 5/8" (3266)	20 7/16" (545)	14.64 (1.36)
ATA11420	128 5/8" (3266)	32 7/16" (850)	25.36 (2.36)
ATA11424	128 5/8" (3266)	36 7/16" (952)	28.93 (2.69)
ATA11428	128 5/8" (3266)	40 7/16" (1053)	32.50 (3.02)
ATA11430	128 5/8" (3266)	44 7/16" (1155)	36.07 (3.35)
ATA11434	128 5/8" (3266)	48 7/16" (1256)	39.65 (3.68)
ATA11438	128 5/8" (3266)	52 7/16" (1358)	43.22 (4.02)
ATA11440	128 5/8" (3266)	56 7/16" (1460)	46.79 (4.35)
ATA11444	128 5/8" (3266)	60 7/16" (1561)	50.36 (4.68)
ATA11448	128 5/8" (3266)	64 7/16" (1663)	53.94 (5.01)
ATA11450	128 5/8" (3266)	68 7/16" (1764)	57.51 (5.34)
ATA11454	128 5/8" (3266)	72 7/16" (1866)	61.08 (5.67)
ATA12010	136 5/8" (3469)	20 7/16" (601)	17.01 (1.58)
ATA12020	136 5/8" (3469)	32 7/16" (906)	28.39 (2.64)
ATA12024	136 5/8" (3469)	36 7/16" (1008)	32.19 (2.99)
ATA12028	136 5/8" (3469)	40 7/16" (1109)	35.98 (3.34)
ATA12030	136 5/8" (3469)	44 7/16" (1211)	39.77 (3.70)
ATA12034	136 5/8" (3469)	48 7/16" (1312)	43.57 (4.05)
ATA12038	136 5/8" (3469)	52 7/16" (1414)	47.36 (4.40)
ATA12040	136 5/8" (3469)	56 7/16" (1516)	51.16 (4.75)
ATA12044	136 5/8" (3469)	60 7/16" (1617)	54.95 (5.10)
ATA12048	136 5/8" (3469)	64 7/16" (1719)	58.75 (5.46)
ATA12050	136 5/8" (3469)	68 7/16" (1820)	62.54 (5.81)
ATA12054	136 5/8" (3469)	72 7/16" (1922)	66.33 (6.16)

• Dimensions in parentheses are in millimeters or square meters.

SPECIALTY WINDOWS

Table of Direct-Set Springline™ Window Sizes

Scale ⅛" (3) = 1'-0" (305) – 1:96

Notes on page 110 also apply to this page.

Window Width Dimension	1'-7 ¼" (489)	1'-11 ¼" (591)	2'-3 ¼" (692)	2'-5 ¼" (743)	2'-7 ¼" (794)	2'-9 ¼" (845)	2'-11 ¼" (895)	3'-1 ¼" (946)	3'-3 ¼" (997)
Minimum Rough Opening	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 ¼" (387)	19 ¼" (489)	23 ¼" (591)	25 ¼" (641)	27 ¼" (692)	29 ¼" (743)	31 ¼" (794)	33 ¼" (845)	35 ¼" (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 6 ¼" (159)	1'-3 7/8" (403) **ATSD**1807	1'-5 7/8" (454) **ATSD**2007	1'-7 7/8" (505) **ATSD**2407	1'-8 7/8" (530) **ATSD**2607	1'-9 7/8" (556) **ATSD**2807	1'-10 7/8" (581) **ATSD**21007	1'-11 7/8" (606) **ATSD**3007	2'-0 7/8" (632) **ATSD**3207	2'-1 7/8" (657) **ATSD**3407
11 ¼" (286)	1'-8 7/8" (530) **ATSD**1810	1'-10 7/8" (581) **ATSD**2010	2'-0 7/8" (632) **ATSD**2410	2'-1 7/8" (657) **ATSD**2610	2'-2 7/8" (683) **ATSD**2810	2'-3 7/8" (708) **ATSD**21010	2'-4 7/8" (733) **ATSD**3010	2'-5 7/8" (759) **ATSD**3210	2'-6 7/8" (784) **ATSD**3410
23 ¼" (591)	2'-8 7/8" (835) **ATSD**1820	2'-10 7/8" (886) **ATSD**2020	3'-0 7/8" (937) **ATSD**2420	3'-1 7/8" (962) **ATSD**2620	3'-2 7/8" (987) **ATSD**2820	3'-3 7/8" (1013) **ATSD**21020	3'-4 7/8" (1038) **ATSD**3020	3'-5 7/8" (1064) **ATSD**3220	3'-6 7/8" (1089) **ATSD**3420
27 ¼" (692)	3'-0 7/8" (937) **ATSD**1824	3'-2 7/8" (987) **ATSD**2024	3'-4 7/8" (1038) **ATSD**2424	3'-5 7/8" (1064) **ATSD**2624	3'-6 7/8" (1089) **ATSD**2824	3'-7 7/8" (1114) **ATSD**21024	3'-8 7/8" (1140) **ATSD**3024	3'-9 7/8" (1165) **ATSD**3224	3'-10 7/8" (1191) **ATSD**3424
31 ¼" (794)	3'-4 7/8" (1038) **ATSD**1828	3'-6 7/8" (1089) **ATSD**2028	3'-8 7/8" (1140) **ATSD**2428	3'-9 7/8" (1165) **ATSD**2628	3'-10 7/8" (1191) **ATSD**2828	3'-11 7/8" (1216) **ATSD**21028	4'-0 7/8" (1241) **ATSD**3028	4'-1 7/8" (1267) **ATSD**3228	4'-2 7/8" (1292) **ATSD**3428
35 ¼" (895)	3'-8 7/8" (1140) **ATSD**1830	3'-10 7/8" (1191) **ATSD**2030	4'-0 7/8" (1241) **ATSD**2430	4'-1 7/8" (1267) **ATSD**2630	4'-2 7/8" (1292) **ATSD**2830	4'-3 7/8" (1318) **ATSD**21030	4'-4 7/8" (1343) **ATSD**3030	4'-5 7/8" (1368) **ATSD**3230	4'-6 7/8" (1394) **ATSD**3430
39 ¼" (997)	4'-0 7/8" (1241) **ATSD**1834	4'-2 7/8" (1292) **ATSD**2034	4'-4 7/8" (1343) **ATSD**2434	4'-5 7/8" (1368) **ATSD**2634	4'-6 7/8" (1394) **ATSD**2834	4'-7 7/8" (1419) **ATSD**21034	4'-8 7/8" (1445) **ATSD**3034	4'-9 7/8" (1470) **ATSD**3234	4'-10 7/8" (1495) **ATSD**3434
43 ¼" (1099)	4'-4 7/8" (1343) **ATSD**1838	4'-6 7/8" (1394) **ATSD**2038	4'-8 7/8" (1445) **ATSD**2438	4'-9 7/8" (1470) **ATSD**2638	4'-10 7/8" (1495) **ATSD**2838	4'-11 7/8" (1521) **ATSD**21038	5'-0 7/8" (1546) **ATSD**3038	5'-1 7/8" (1572) **ATSD**3238	5'-2 7/8" (1597) **ATSD**3438

CUSTOM SIZES AVAILABLE

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

Unobstructed Glass = window height – 4" (102)

- "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)	**ATSD**3807	2'-5 7/8" (759) **ATSD**4007	2'-7 7/8" (810) **ATSD**4407	2'-9 7/8" (860) **ATSD**4807	2'-11 7/8" (911) **ATSD**5007	3'-1 7/8" (962) **ATSD**5407	3'-3 7/8" (1013) **ATSD**5807	3'-5 7/8" (1064) **ATSD**6007
2'-8 7/8" (835)	**ATSD**3810	2'-10 7/8" (886) **ATSD**4010	3'-0 7/8" (937) **ATSD**4410	3'-2 7/8" (987) **ATSD**4810	3'-4 7/8" (1038) **ATSD**5010	3'-6 7/8" (1089) **ATSD**5410	3'-8 7/8" (1140) **ATSD**5810	3'-10 7/8" (1191) **ATSD**6010
3'-8 7/8" (1140)	**ATSD**3820	3'-10 7/8" (1191) **ATSD**4020	4'-0 7/8" (1241) **ATSD**4420	4'-2 7/8" (1292) **ATSD**4820	4'-4 7/8" (1343) **ATSD**5020	4'-6 7/8" (1394) **ATSD**5420	4'-8 7/8" (1445) **ATSD**5820	4'-10 7/8" (1495) **ATSD**6020
4'-0 7/8" (1241)	**ATSD**3824	4'-2 7/8" (1292) **ATSD**4024	4'-4 7/8" (1343) **ATSD**4424	4'-6 7/8" (1394) **ATSD**4824	4'-8 7/8" (1445) **ATSD**5024	4'-10 7/8" (1495) **ATSD**5424	5'-0 7/8" (1546) **ATSD**5824	5'-2 7/8" (1597) **ATSD**6024
4'-4 7/8" (1343)	**ATSD**3828	4'-6 7/8" (1394) **ATSD**4028*	4'-8 7/8" (1445) **ATSD**4428*	4'-10 7/8" (1495) **ATSD**4828*	5'-0 7/8" (1546) **ATSD**5028	5'-2 7/8" (1597) **ATSD**5428	5'-4 7/8" (1648) **ATSD**5828	5'-6 7/8" (1699) **ATSD**6028
4'-8 7/8" (1445)	**ATSD**3830	4'-10 7/8" (1495) **ATSD**4030	5'-0 7/8" (1546) **ATSD**4430	5'-2 7/8" (1597) **ATSD**4830	5'-4 7/8" (1648) **ATSD**5030	5'-6 7/8" (1699) **ATSD**5430	5'-8 7/8" (1749) **ATSD**5830	5'-10 7/8" (1800) **ATSD**6030
5'-0 7/8" (1546)	**ATSD**3834	5'-2 7/8" (1597) **ATSD**4034	5'-4 7/8" (1648) **ATSD**4434	5'-6 7/8" (1699) **ATSD**4834	5'-8 7/8" (1749) **ATSD**5034	5'-10 7/8" (1800) **ATSD**5434	6'-0 7/8" (1851) **ATSD**5834	6'-2 7/8" (1902) **ATSD**6034
5'-4 7/8" (1648)	**ATSD**3838	5'-6 7/8" (1699) **ATSD**4038	5'-8 7/8" (1749) **ATSD**4438	5'-10 7/8" (1800) **ATSD**4838	6'-0 7/8" (1851) **ATSD**5038	6'-2 7/8" (1902) **ATSD**5438	6'-4 7/8" (1953) **ATSD**5838	6'-6 7/8" (2003) **ATSD**6038

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.

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

Notes on page 110 also apply to this page.

Scale ⅛" (3) = 1'-0" (305) – 1:96

Window Width Dimension	1'-7 ¼" (489)	1'-11 ¼" (591)	2'-3 ¼" (692)	2'-5 ¼" (743)	2'-7 ¼" (794)	2'-9 ¼" (845)	2'-11 ¼" (895)	3'-1 ¼" (946)	3'-3 ¼" (997)
Minimum Rough Opening	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 ¼" (387)	19 ¼" (489)	23 ¼" (591)	25 ¼" (641)	27 ¼" (692)	29 ¼" (743)	31 ¼" (794)	33 ¼" (845)	35 ¼" (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)

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

Unobstructed Glass = window height – 4" (102)

CUSTOM SIZES AVAILABLE

Shoulder Height									
47 ¼" (1200)	4'-8 7/8" (1445) **ATSD**1840	4'-10 7/8" (1495) **ATSD**2040	5'-0 7/8" (1546) **ATSD**2440	5'-1 7/8" (1572) **ATSD**2640	5'-2 7/8" (1597) **ATSD**2840	5'-3 7/8" (1622) **ATSD**21040	5'-4 7/8" (1648) **ATSD**3040	5'-5 7/8" (1673) **ATSD**3240	5'-6 7/8" (1699) **ATSD**3440
51 ¼" (1302)	5'-0 7/8" (1546) **ATSD**1844	5'-2 7/8" (1597) **ATSD**2044	5'-4 7/8" (1648) **ATSD**2444	5'-5 7/8" (1673) **ATSD**2644	5'-6 7/8" (1699) **ATSD**2844	5'-7 7/8" (1724) **ATSD**21044	5'-8 7/8" (1749) **ATSD**3044	5'-9 7/8" (1775) **ATSD**3244	5'-10 7/8" (1800) **ATSD**3444
55 ¼" (1403)	5'-4 7/8" (1648) **ATSD**1848	5'-6 7/8" (1699) **ATSD**2048	5'-8 7/8" (1749) **ATSD**2448	5'-9 7/8" (1775) **ATSD**2648	5'-10 7/8" (1800) **ATSD**2848	5'-11 7/8" (1826) **ATSD**21048	6'-0 7/8" (1851) **ATSD**3048	6'-1 7/8" (1876) **ATSD**3248	6'-2 7/8" (1902) **ATSD**3448
59 ¼" (1505)	5'-8 7/8" (1749) **ATSD**1850	5'-10 7/8" (1800) **ATSD**2050	6'-0 7/8" (1851) **ATSD**2450	6'-1 7/8" (1876) **ATSD**2650	6'-2 7/8" (1902) **ATSD**2850	6'-3 7/8" (1927) **ATSD**21050	6'-4 7/8" (1953) **ATSD**3050	6'-5 7/8" (1978) **ATSD**3250	6'-6 7/8" (2003) **ATSD**3450
63 ¼" (1607)	6'-0 7/8" (1851) **ATSD**1854	6'-2 7/8" (1902) **ATSD**2054	6'-4 7/8" (1953) **ATSD**2454	6'-5 7/8" (1978) **ATSD**2654	6'-6 7/8" (2003) **ATSD**2854	6'-7 7/8" (2029) **ATSD**21054	6'-8 7/8" (2054) **ATSD**3054	6'-9 7/8" (2080) **ATSD**3254	6'-10 7/8" (2105) **ATSD**3454
67 ¼" (1708)	6'-4 7/8" (1953) **ATSD**1858	6'-6 7/8" (2003) **ATSD**2058	6'-8 7/8" (2054) **ATSD**2458	6'-9 7/8" (2080) **ATSD**2658	6'-10 7/8" (2105) **ATSD**2858	6'-11 7/8" (2130) **ATSD**21058	7'-0 7/8" (2156) **ATSD**3058	7'-1 7/8" (2181) **ATSD**3258	7'-2 7/8" (2207) **ATSD**3458

- "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)
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)	6'-8 7/8" (2054)	6'-10 7/8" (2105)
ATSD3840	**ATSD**4040	**ATSD**4440	**ATSD**4840	**ATSD**5040	**ATSD**5440	**ATSD**5840	**ATSD**6040
6'-0 7/8" (1851)	6'-2 7/8" (1902)	6'-4 7/8" (1953)	6'-6 7/8" (2003)	6'-8 7/8" (2054)	6'-10 7/8" (2105)	7'-0 7/8" (2156)	7'-2 7/8" (2207)
ATSD3844	**ATSD**4044	**ATSD**4444	**ATSD**4844	**ATSD**5044	**ATSD**5444	**ATSD**5844	**ATSD**6044
6'-4 7/8" (1953)	6'-6 7/8" (2003)	6'-8 7/8" (2054)	6'-10 7/8" (2105)	7'-0 7/8" (2156)	7'-2 7/8" (2207)	7'-4 7/8" (2257)	7'-6 7/8" (2308)
ATSD3848	**ATSD**4048	**ATSD**4448	**ATSD**4848	**ATSD**5048	**ATSD**5448	**ATSD**5848	**ATSD**6048
6'-8 7/8" (2054)	6'-10 7/8" (2105)	7'-0 7/8" (2156)	7'-2 7/8" (2207)	7'-4 7/8" (2257)	7'-6 7/8" (2308)	7'-8 7/8" (2359)	7'-10 7/8" (2410)
ATSD3850	**ATSD**4050	**ATSD**4450	**ATSD**4850	**ATSD**5050	**ATSD**5450	**ATSD**5850	**ATSD**6050
7'-0 7/8" (2156)	7'-2 7/8" (2207)	7'-4 7/8" (2257)	7'-6 7/8" (2308)	7'-8 7/8" (2359)	7'-10 7/8" (2410)	8'-0 7/8" (2461)	8'-2 7/8" (2511)
ATSD3854	**ATSD**4054	**ATSD**4454	**ATSD**4854	**ATSD**5054	**ATSD**5454	**ATSD**5854	**ATSD**6054*
7'-4 7/8" (2257)	7'-6 7/8" (2308)	7'-8 7/8" (2359)	7'-10 7/8" (2410)	8'-0 7/8" (2461)	8'-2 7/8" (2511)	8'-4 7/8" (2562)	8'-6 7/8" (2613)
ATSD3858	**ATSD**4058	**ATSD**4458	**ATSD**4858	**ATSD**5058	**ATSD**5458	**ATSD**5858*	**ATSD**6058*

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 ⅛" (3) = 1'-0" (305) – 1:96

Window Width Dimension	1'-7 ¼" (489)	1'-11 ¼" (591)	2'-3 ¼" (692)	2'-5 ¼" (743)	2'-7 ¼" (794)	2'-9 ¼" (845)	2'-11 ¼" (895)	3'-1 ¼" (946)	3'-3 ¼" (997)
Minimum Rough Opening	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 ¼" (387)	19 ¼" (489)	23 ¼" (591)	25 ¼" (641)	27 ¼" (692)	29 ¼" (743)	31 ¼" (794)	33 ¼" (845)	35 ¼" (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)

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

Unobstructed Glass = window height – 4" (102)

CUSTOM SIZES AVAILABLE

Shoulder Height

Shoulder Height	6'-8 7/8" (2054)	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)
71 ¼" (1810)	**ATSD**1860	**ATSD**2060	**ATSD**2460	**ATSD**2660	**ATSD**2860	**ATSD**21060	**ATSD**3060	**ATSD**3260	**ATSD**3460
75 ¼" (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)	7'-10 7/8" (2410)
	ATSD1864	**ATSD**2064	**ATSD**2464	**ATSD**2664	**ATSD**2864	**ATSD**21064	**ATSD**3064	**ATSD**3264	**ATSD**3464
79 ¼" (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)	8'-2 7/8" (2511)
	ATSD1868	**ATSD**2068	**ATSD**2468	**ATSD**2668	**ATSD**2868	**ATSD**21068	**ATSD**3068	**ATSD**3268	**ATSD**3468
87 ¼" (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)	8'-10 7/8" (2715)
	ATSD1874	**ATSD**2074	**ATSD**2474	**ATSD**2674	**ATSD**2874	**ATSD**21074	**ATSD**3074	**ATSD**3274	**ATSD**3474
95 ¼" (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)	9'-6 7/8" (2918)
	ATSD1880	**ATSD**2080	**ATSD**2480	**ATSD**2680	**ATSD**2880	**ATSD**21080	**ATSD**3080	**ATSD**3280	**ATSD**3480

- "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)
7'-8 7/8" (2359) **ATSD**3860	7'-10 7/8" (2410) **ATSD**4060	8'-0 7/8" (2461) **ATSD**4460	8'-2 7/8" (2511) **ATSD**4860	8'-4 7/8" (2562) **ATSD**5060	8'-6 7/8" (2613) **ATSD**5460*	8'-8 7/8" (2664) **ATSD**5860*	8'-10 7/8" (2715) **ATSD**6060*
8'-0 7/8" (2461) **ATSD**3864	8'-2 7/8" (2511) **ATSD**4064	8'-4 7/8" (2562) **ATSD**4464	8'-6 7/8" (2613) **ATSD**4864	8'-8 7/8" (2664) **ATSD**5064*	8'-10 7/8" (2715) **ATSD**5464*	9'-0 7/8" (2765) **ATSD**5864*	9'-2 7/8" (2816) **ATSD**6064*
8'-4 7/8" (2562) **ATSD**3868	8'-6 7/8" (2613) **ATSD**4068	8'-8 7/8" (2664) **ATSD**4468*	8'-10 7/8" (2715) **ATSD**4868*	9'-0 7/8" (2765) **ATSD**5068*	9'-2 7/8" (2816) **ATSD**5468*	9'-4 7/8" (2867) **ATSD**5868*	9'-6 7/8" (2918) **ATSD**6068*
9'-0 7/8" (2765) **ATSD**3874	9'-2 7/8" (2816) **ATSD**4074*	9'-4 7/8" (2867) **ATSD**4474*	9'-6 7/8" (2918) **ATSD**4874*	9'-8 7/8" (2969) **ATSD**5074*	9'-10 7/8" (3019) **ATSD**5474*	10'-0 7/8" (3070) **ATSD**5874*	10'-2 7/8" (3121) **ATSD**6074*
9'-8 7/8" (2969) **ATSD**3880*	9'-10 7/8" (3019) **ATSD**4080*	10'-0 7/8" (3070) **ATSD**4480*	10'-2 7/8" (3121) **ATSD**4880*	10'-4 7/8" (3172) **ATSD**5080*	10'-6 7/8" (3223) **ATSD**5480*	10'-8 7/8" (3273) **ATSD**5880*	10'-10 7/8" (3324) **ATSD**6080*

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.

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

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

Scale ⅛" (3) = 1'-0" (305) – 1:96

Window Width Dimension	6'-3 ¼" (1911)	6'-7 ¼" (2013)	6'-11 ¼" (2115)	7'-3 ¼" (2216)	7'-11 ¼" (2419)
Minimum Rough Opening	6'-4" (1930)	6'-8" (2032)	7'-0" (2134)	7'-4" (2235)	8'-0" (2438)
Unobstructed Glass	71 ¼" (1810)	75 ¼" (1911)	79 ¼" (2013)	83 ¼" (2115)	91 ¼" (2318)

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

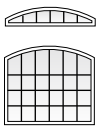
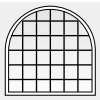
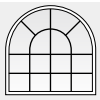
Radius	37 5/8" (956)	39 5/8" (1006)	41 5/8" (1057)	43 5/8" (1108)	47 5/8" (1210)
Chord Height	37 5/8" (956)	39 5/8" (1006)	**41 5/8" (1057)**	43 5/8" (1108)	47 5/8" (1210)
Shoulder Height 6 ¼" (159)	3'-7 7/8" (1114) **ATSD**6407	3'-9 7/8" (1165) **ATSD**6807	3'-11 7/8" (1216) **ATSD**7007	4'-1 7/8" (1267) **ATSD**7407	4'-5 7/8" (1368) **ATSD**8007
11 ¼" (286)	4'-0 7/8" (1241) **ATSD**6410	4'-2 7/8" (1292) **ATSD**6810	4'-4 7/8" (1343) **ATSD**7010	4'-6 7/8" (1394) **ATSD**7410	4'-10 7/8" (1495) **ATSD**8010
23 ¼" (591)	5'-0 7/8" (1546) **ATSD**6420	5'-2 7/8" (1597) **ATSD**6820	5'-4 7/8" (1648) **ATSD**7020	5'-6 7/8" (1699) **ATSD**7420	5'-10 7/8" (1800) **ATSD**8020*
27 ¼" (692)	5'-4 7/8" (1648) **ATSD**6424	5'-6 7/8" (1699) **ATSD**6824	5'-8 7/8" (1749) **ATSD**7024	5'-10 7/8" (1800) **ATSD**7424	6'-2 7/8" (1902) **ATSD**8024*
31 ¼" (794)	5'-8 7/8" (1749) **ATSD**6428	5'-10 7/8" (1800) **ATSD**6828	6'-0 7/8" (1851) **ATSD**7028	6'-2 7/8" (1902) **ATSD**7428	6'-6 7/8" (2003) **ATSD**8028*
35 ¼" (895)	6'-0 7/8" (1851) **ATSD**6430	6'-2 7/8" (1902) **ATSD**6830	6'-4 7/8" (1953) **ATSD**7030	6'-6 7/8" (2003) **ATSD**7430*	6'-10 7/8" (2105) **ATSD**8030*
39 ¼" (997)	6'-4 7/8" (1953) **ATSD**6434	6'-6 7/8" (2003) **ATSD**6834	6'-8 7/8" (2054) **ATSD**7034	6'-10 7/8" (2105) **ATSD**7434*	
43 ¼" (1099)	6'-8 7/8" (2054) **ATSD**6438	6'-10 7/8" (2105) **ATSD**6838	7'-0 7/8" (2156) **ATSD**7038*		

continued on page 110

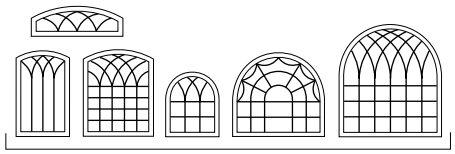
- "Window Dimension" always refers to outside frame to frame dimension.
- **"Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.**
- Dimensions in parentheses are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

*Tempered glass required. Some visual distortion may occur.

Grille Patterns

	Colonial	Renaissance	Sunburst
Arch			
Springline™			

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**.



Custom Pattern Examples

Direct-Set Springline™ Window Area Specifications

Window Number	Glass Area Sq. Ft./(m^2)
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^2)
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^2)
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^2)
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

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)
Minimum Rough Opening	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

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

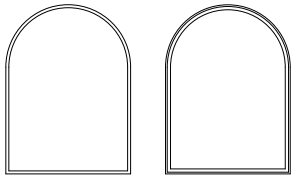
Unobstructed Glass = window height – 4" (102)

CUSTOM SIZES AVAILABLE

Radius	37 5/8" (956)	39 5/8" (1006)	41 5/8" (1057)
Chord Height	37 5/8" (956)	39 5/8" (1006)	41 5/8" (1057)
Shoulder Height 47 1/4" (1200)	7'-0 7/8" (2156) **ATSD**6440	7'-2 7/8" (2207) **ATSD**6840*	7'-4 7/8" (2257) **ATSD**7040*
51 1/4" (1302)	7'-4 7/8" (2257) **ATSD**6444	7'-6 7/8" (2308) **ATSD**6844*	7'-8 7/8" (2359) **ATSD**7044*
55 1/4" (1403)	7'-8 7/8" (2359) **ATSD**6448*	7'-10 7/8" (2410) **ATSD**6848*	8'-0 7/8" (2461) **ATSD**7048*
59 1/4" (1505)	8'-0 7/8" (2461) **ATSD**6450*	8'-2 7/8" (2511) **ATSD**6850*	8'-4 7/8" (2562) **ATSD**7050*
63 1/4" (1607)	8'-4 7/8" (2562) **ATSD**6454*	8'-6 7/8" (2613) **ATSD**6854*	8'-8 7/8" (2664) **ATSD**7054*
67 1/4" (1708)	8'-8 7/8" (2664) **ATSD**6458*	8'-10 7/8" (2715) **ATSD**6858*	9'-0 7/8" (2765) **ATSD**7058*

continued on page 112

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.

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

Window Number	Glass Area Sq. Ft./(m^2)
ATSD3424	9.57 (0.89)
ATSD3428	10.55 (0.98)
ATSD3430	11.53 (1.07)
ATSD3434	12.51 (1.16)
ATSD3438	13.49 (1.25)
ATSD3440	14.47 (1.34)
ATSD3444	15.44 (1.43)
ATSD3448	16.42 (1.53)
ATSD3450	17.40 (1.62)
ATSD3454	18.38 (1.71)
ATSD3458	19.36 (1.80)
ATSD3460	20.34 (1.89)
ATSD3464	21.32 (1.98)
ATSD3468	22.30 (2.07)
ATSD3474	24.26 (2.25)
ATSD3480	26.22 (2.44)
ATSD3807	5.36 (0.50)
ATSD3810	6.72 (0.62)
ATSD3820	9.99 (0.93)
ATSD3824	11.08 (1.03)
ATSD3828	12.17 (1.13)
ATSD3830	13.26 (1.23)
ATSD3834	14.35 (1.33)
ATSD3838	15.44 (1.43)
ATSD3840	16.53 (1.54)
ATSD3844	17.63 (1.64)
ATSD3848	18.72 (1.74)
ATSD3850	19.81 (1.84)
ATSD3854	20.90 (1.94)
ATSD3858	21.99 (2.04)
ATSD3860	23.08 (2.14)
ATSD3864	24.17 (2.25)
ATSD3868	25.26 (2.35)
ATSD3874	27.44 (2.55)
ATSD3880	29.62 (2.75)
ATSD4007	6.38 (0.59)
ATSD4010	7.88 (0.73)
ATSD4020	11.48 (1.07)
ATSD4024	12.68 (1.18)
ATSD4028	13.89 (1.29)
ATSD4030	15.09 (1.40)
ATSD4034	16.29 (1.51)
ATSD4038	17.49 (1.62)
ATSD4040	18.69 (1.74)
ATSD4044	19.89 (1.85)
ATSD4048	21.09 (1.96)
ATSD4050	22.30 (2.07)
ATSD4054	23.50 (2.18)
ATSD4058	24.70 (2.29)
ATSD4060	25.90 (2.41)
ATSD4064	27.10 (2.52)
ATSD4068	28.30 (2.63)
ATSD4074	30.71 (2.85)
ATSD4080	33.11 (3.08)
ATSD4407	7.48 (0.70)
ATSD4410	9.12 (0.85)
ATSD4420	13.06 (1.21)
ATSD4424	14.37 (1.34)
ATSD4428	15.69 (1.46)
ATSD4430	17.00 (1.58)

Window Number	Glass Area Sq. Ft./(m^2)
ATSD4434	18.31 (1.70)
ATSD4438	19.62 (1.82)
ATSD4440	20.94 (1.94)
ATSD4444	22.25 (2.07)
ATSD4448	23.56 (2.19)
ATSD4450	24.87 (2.31)
ATSD4454	26.19 (2.43)
ATSD4458	27.50 (2.55)
ATSD4460	28.81 (2.68)
ATSD4464	30.12 (2.80)
ATSD4468	31.44 (2.92)
ATSD4474	34.06 (3.16)
ATSD4480	36.69 (3.41)
ATSD4807	8.68 (0.81)
ATSD4810	10.45 (0.97)
ATSD4820	14.73 (1.37)
ATSD4824	16.15 (1.50)
ATSD4828	17.57 (1.63)
ATSD4830	19.00 (1.76)
ATSD4834	20.42 (1.90)
ATSD4838	21.84 (2.03)
ATSD4840	23.27 (2.16)
ATSD4844	24.69 (2.29)
ATSD4848	26.11 (2.43)
ATSD4850	27.54 (2.56)
ATSD4854	28.96 (2.69)
ATSD4858	30.39 (2.82)
ATSD4860	31.81 (2.96)
ATSD4864	33.23 (3.09)
ATSD4868	34.66 (3.22)
ATSD4874	37.50 (3.48)
ATSD4880	40.35 (3.75)
ATSD5007	9.96 (0.92)
ATSD5010	11.87 (1.10)
ATSD5020	16.48 (1.53)
ATSD5024	18.01 (1.67)
ATSD5028	19.55 (1.82)
ATSD5030	21.08 (1.96)
ATSD5034	22.62 (2.10)
ATSD5038	24.15 (2.24)
ATSD5040	25.69 (2.39)
ATSD5044	27.22 (2.53)
ATSD5048	28.76 (2.67)
ATSD5050	30.29 (2.81)
ATSD5054	31.83 (2.96)
ATSD5058	33.36 (3.10)
ATSD5060	34.89 (3.24)
ATSD5064	36.43 (3.38)
ATSD5068	37.96 (3.53)
ATSD5074	41.03 (3.81)
ATSD5080	44.10 (4.10)
ATSD5407	11.32 (1.05)
ATSD5410	13.38 (1.24)
ATSD5420	18.32 (1.70)
ATSD5424	19.96 (1.85)
ATSD5428	21.61 (2.01)
ATSD5430	23.25 (2.16)
ATSD5434	24.90 (2.31)
ATSD5438	26.55 (2.47)
ATSD5440	28.19 (2.62)

Window Number	Glass Area Sq. Ft./(m^2)
ATSD5444	29.84 (2.77)
ATSD5448	31.48 (2.92)
ATSD5450	33.13 (3.08)
ATSD5454	34.78 (3.23)
ATSD5458	36.42 (3.38)
ATSD5460	38.07 (3.54)
ATSD5464	39.71 (3.69)
ATSD5468	41.36 (3.84)
ATSD5474	44.65 (4.15)
ATSD5480	47.94 (4.45)
ATSD5807	12.78 (1.19)
ATSD5810	14.97 (1.39)
ATSD5820	20.24 (1.88)
ATSD5824	22.00 (2.04)
ATSD5828	23.76 (2.21)
ATSD5830	25.51 (2.37)
ATSD5834	27.27 (2.53)
ATSD5838	29.03 (2.70)
ATSD5840	30.79 (2.86)
ATSD5844	32.54 (3.02)
ATSD5848	34.30 (3.19)
ATSD5850	36.06 (3.35)
ATSD5854	37.81 (3.51)
ATSD5858	39.57 (3.68)
ATSD5860	41.33 (3.84)
ATSD5864	43.08 (4.00)
ATSD5868	44.84 (4.17)
ATSD5874	48.35 (4.49)
ATSD5880	51.87 (4.82)
ATSD6007	14.32 (1.33)
ATSD6010	16.65 (1.55)
ATSD6020	22.26 (2.07)
ATSD6024	24.13 (2.24)
ATSD6028	25.99 (2.41)
ATSD6030	27.86 (2.59)
ATSD6034	29.73 (2.76)
ATSD6038	31.60 (2.94)
ATSD6040	33.47 (3.11)
ATSD6044	35.33 (3.28)
ATSD6048	37.20 (3.46)
ATSD6050	39.07 (3.63)
ATSD6054	40.94 (3.80)
ATSD6058	42.81 (3.98)
ATSD6060	44.67 (4.15)
ATSD6064	46.54 (4.32)
ATSD6068	48.41 (4.50)
ATSD6074	52.15 (4.84)
ATSD6080	55.88 (5.19)
ATSD6407	15.95 (1.48)
ATSD6410	18.42 (1.71)
ATSD6420	24.36 (2.26)
ATSD6424	26.34 (2.45)
ATSD6428	28.32 (2.63)
ATSD6430	30.30 (2.81)
ATSD6434	32.28 (3.00)
ATSD6438	34.25 (3.18)
ATSD6440	36.23 (3.37)
ATSD6444	38.21 (3.55)
ATSD6448	40.19 (3.73)
ATSD6450	42.17 (3.92)

Window Number	Glass Area Sq. Ft./(m^2)
ATSD6454	44.15 (4.10)
ATSD6458	46.13 (4.29)
ATSD6460	48.11 (4.47)
ATSD6464	50.09 (4.65)
ATSD6468	52.07 (4.84)
ATSD6474	56.03 (5.20)
ATSD6480	59.98 (5.57)
ATSD6807	17.66 (1.64)
ATSD6810	20.28 (1.88)
ATSD6820	26.55 (2.47)
ATSD6824	28.64 (2.66)
ATSD6828	30.73 (2.85)
ATSD6830	32.82 (3.05)
ATSD6834	34.91 (3.24)
ATSD6838	37.00 (3.44)
ATSD6840	39.09 (3.63)
ATSD6844	41.18 (3.83)
ATSD6848	43.27 (4.02)
ATSD6850	45.36 (4.21)
ATSD6854	47.45 (4.41)
ATSD6858	49.54 (4.60)
ATSD6860	51.63 (4.80)
ATSD6864	53.72 (4.99)
ATSD6868	55.81 (5.18)
ATSD6874	59.99 (5.57)
ATSD6880	64.17 (5.96)
ATSD7007	19.47 (1.81)
ATSD7010	22.22 (2.06)
ATSD7020	28.82 (2.68)
ATSD7024	31.02 (2.88)
ATSD7028	33.23 (3.09)
ATSD7030	35.43 (3.29)
ATSD7034	37.63 (3.50)
ATSD7038	39.83 (3.70)
ATSD7040	42.03 (3.90)
ATSD7044	44.23 (4.11)
ATSD7048	46.43 (4.31)
ATSD7050	48.63 (4.52)
ATSD7054	50.84 (4.72)
ATSD7058	53.04 (4.93)
ATSD7060	55.24 (5.13)
ATSD7064	57.44 (5.34)
ATSD7068	59.64 (5.54)
ATSD7074	64.04 (5.95)
ATSD7080	68.45 (6.36)
ATSD7407	21.36 (1.98)
ATSD7410	24.25 (2.25)
ATSD7420	31.19 (2.90)
ATSD7424	33.50 (3.11)
ATSD7428	35.81 (3.33)
ATSD7430	38.12 (3.54)
ATSD7434	40.44 (3.76)
ATSD8007	25.40 (2.36)
ATSD8010	28.57 (2.65)
ATSD8020	36.17 (3.36)
ATSD8024	38.71 (3.60)
ATSD8028	41.24 (3.83)
ATSD8030	43.78 (4.07)

• 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.

Window Width Dimension	6'-3 1/4" (1911)	6'-7 1/4" (2013)	6'-11 1/4" (2115)
Minimum Rough Opening	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: 37 5/8" (956) | 39 5/8" (1006) | 41 5/8" (1057)

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

Unobstructed Glass = window height – 4" (102)

CUSTOM SIZES AVAILABLE

Shoulder Height

Shoulder Height	37 5/8" (956)	39 5/8" (1006)	41 5/8" (1057)
71 1/4" (1810)	9'-0 7/8" (2765)	9'-2 7/8" (2816)	9'-4 7/8" (2867)
	ATSD6460*	**ATSD**6860*	**ATSD**7060*
75 1/4" (1911)	9'-4 7/8" (2867)	9'-6 7/8" (2918)	9'-8 7/8" (2969)
	ATSD6464*	**ATSD**6864*	**ATSD**7064*
79 1/4" (2013)	9'-8 7/8" (2969)	9'-10 7/8" (3019)	10'-0 7/8" (3070)
	ATSD6468*	**ATSD**6868*	**ATSD**7068*
87 1/4" (2216)	10'-4 7/8" (3172)	10'-6 7/8" (3223)	10'-8 7/8" (3273)
	ATSD6474*	**ATSD**6874*	**ATSD**7074*
95 1/4" (2419)	11'-0 7/8" (3375)	11'-2 7/8" (3426)	11'-4 7/8" (3477)
	ATSD6480*	**ATSD**6880*	**ATSD**7080*

(notes on page 110 also apply to this page)

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^2)
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)

• Dimensions in parentheses are in millimeters or square meters.

continued on next page

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./(m²)
ATS2620	22 5/8" (574)	31 1/4" (793)	4.52 (0.42)
ATS2624	22 5/8" (574)	35 1/4" (895)	5.15 (0.48)
ATS2628	22 5/8" (574)	39 1/4" (996)	5.77 (0.54)
ATS2630	22 5/8" (574)	43 1/4" (1098)	6.40 (0.59)
ATS2634	22 5/8" (574)	47 1/4" (1199)	7.03 (0.65)
ATS2638	22 5/8" (574)	51 1/4" (1301)	7.66 (0.71)
ATS2640	22 5/8" (574)	55 1/4" (1403)	8.28 (0.77)
ATS2644	22 5/8" (574)	59 1/4" (1504)	8.91 (0.83)
ATS2648	22 5/8" (574)	63 1/4" (1606)	9.54 (0.89)
ATS2650	22 5/8" (574)	67 1/4" (1707)	10.17 (0.94)
ATS2654	22 5/8" (574)	71 1/4" (1809)	10.79 (1.00)
ATS2658	22 5/8" (574)	75 1/4" (1911)	11.42 (1.06)
ATS2660	22 5/8" (574)	79 1/4" (2012)	12.05 (1.12)
ATS2664	22 5/8" (574)	83 1/4" (2114)	12.68 (1.18)
ATS2668	22 5/8" (574)	87 1/4" (2215)	13.30 (1.24)
ATS2674	22 5/8" (574)	95 1/4" (2419)	14.56 (1.35)
ATS2680	22 5/8" (574)	103 1/4" (2622)	15.81 (1.47)
ATS2807	24 5/8" (625)	15 1/4" (387)	2.15 (0.20)
ATS2810	24 5/8" (625)	20 1/4" (514)	3.00 (0.28)
ATS2820	24 5/8" (625)	32 1/4" (818)	5.05 (0.47)
ATS2824	24 5/8" (625)	36 1/4" (920)	5.74 (0.53)
ATS2828	24 5/8" (625)	40 1/4" (1022)	6.42 (0.60)
ATS2830	24 5/8" (625)	44 1/4" (1123)	7.10 (0.66)
ATS2834	24 5/8" (625)	48 1/4" (1225)	7.78 (0.72)
ATS2838	24 5/8" (625)	52 1/4" (1326)	8.47 (0.79)
ATS2840	24 5/8" (625)	56 1/4" (1428)	9.15 (0.85)
ATS2844	24 5/8" (625)	60 1/4" (1530)	9.83 (0.91)
ATS2848	24 5/8" (625)	64 1/4" (1631)	10.52 (0.98)
ATS2850	24 5/8" (625)	68 1/4" (1733)	11.20 (1.04)
ATS2854	24 5/8" (625)	72 1/4" (1834)	11.88 (1.10)
ATS2858	24 5/8" (625)	76 1/4" (1936)	12.57 (1.17)
ATS2860	24 5/8" (625)	80 1/4" (2038)	13.25 (1.23)
ATS2864	24 5/8" (625)	84 1/4" (2139)	13.93 (1.29)
ATS2868	24 5/8" (625)	88 1/4" (2241)	14.62 (1.36)
ATS2874	24 5/8" (625)	96 1/4" (2444)	15.98 (1.48)
ATS2880	24 5/8" (625)	104 1/4" (2647)	17.35 (1.61)
ATS21007	26 5/8" (675)	16 1/4" (412)	2.47 (0.23)
ATS21010	26 5/8" (675)	21 1/4" (539)	3.39 (0.32)
ATS21020	26 5/8" (675)	33 1/4" (844)	5.61 (0.52)
ATS21024	26 5/8" (675)	37 1/4" (945)	6.35 (0.59)
ATS21028	26 5/8" (675)	41 1/4" (1047)	7.09 (0.66)
ATS21030	26 5/8" (675)	45 1/4" (1149)	7.82 (0.73)
ATS21034	26 5/8" (675)	49 1/4" (1250)	8.56 (0.80)
ATS21038	26 5/8" (675)	53 1/4" (1352)	9.30 (0.86)
ATS21040	26 5/8" (675)	57 1/4" (1453)	10.04 (0.93)
ATS21044	26 5/8" (675)	61 1/4" (1555)	10.78 (1.00)
ATS21048	26 5/8" (675)	65 1/4" (1657)	11.52 (1.07)
ATS21050	26 5/8" (675)	69 1/4" (1758)	12.26 (1.14)
ATS21054	26 5/8" (675)	73 1/4" (1860)	13.00 (1.21)
ATS21058	26 5/8" (675)	77 1/4" (1961)	13.73 (1.28)
ATS21060	26 5/8" (675)	81 1/4" (2063)	14.47 (1.34)
ATS21064	26 5/8" (675)	85 1/4" (2165)	15.21 (1.41)
ATS21068	26 5/8" (675)	89 1/4" (2266)	15.95 (1.48)
ATS21074	26 5/8" (675)	97 1/4" (2469)	17.43 (1.62)
ATS21080	26 5/8" (675)	105 1/4" (2673)	18.90 (1.76)
ATS3007	28 5/8" (726)	17 1/4" (437)	2.81 (0.26)
ATS3010	28 5/8" (726)	22 1/4" (564)	3.80 (0.35)
ATS3020	28 5/8" (726)	34 1/4" (869)	6.19 (0.57)
ATS3024	28 5/8" (726)	38 1/4" (971)	6.98 (0.65)
ATS3028	28 5/8" (726)	42 1/4" (1072)	7.77 (0.72)

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./(m²)
ATS3030	28 5/8" (726)	46 1/4" (1174)	8.57 (0.80)
ATS3034	28 5/8" (726)	50 1/4" (1276)	9.36 (0.87)
ATS3038	28 5/8" (726)	54 1/4" (1377)	10.16 (0.94)
ATS3040	28 5/8" (726)	58 1/4" (1479)	10.95 (1.02)
ATS3044	28 5/8" (726)	62 1/4" (1580)	11.75 (1.09)
ATS3048	28 5/8" (726)	66 1/4" (1682)	12.54 (1.16)
ATS3050	28 5/8" (726)	70 1/4" (1784)	13.33 (1.24)
ATS3054	28 5/8" (726)	74 1/4" (1885)	14.13 (1.31)
ATS3058	28 5/8" (726)	78 1/4" (1987)	14.92 (1.39)
ATS3060	28 5/8" (726)	82 1/4" (2088)	15.72 (1.46)
ATS3064	28 5/8" (726)	86 1/4" (2190)	16.51 (1.53)
ATS3068	28 5/8" (726)	90 1/4" (2292)	17.31 (1.61)
ATS3074	28 5/8" (726)	98 1/4" (2495)	18.89 (1.76)
ATS3080	28 5/8" (726)	106 1/4" (2698)	20.48 (1.90)
ATS3207	30 5/8" (777)	18 1/4" (463)	3.17 (0.29)
ATS3210	30 5/8" (777)	23 1/4" (590)	4.24 (0.39)
ATS3220	30 5/8" (777)	35 1/4" (895)	6.79 (0.63)
ATS3224	30 5/8" (777)	39 1/4" (996)	7.63 (0.71)
ATS3228	30 5/8" (777)	43 1/4" (1098)	8.48 (0.79)
ATS3230	30 5/8" (777)	47 1/4" (1199)	9.33 (0.87)
ATS3234	30 5/8" (777)	51 1/4" (1301)	10.18 (0.95)
ATS3238	30 5/8" (777)	55 1/4" (1403)	11.03 (1.03)
ATS3240	30 5/8" (777)	59 1/4" (1504)	11.88 (1.10)
ATS3244	30 5/8" (777)	63 1/4" (1606)	12.73 (1.18)
ATS3248	30 5/8" (777)	67 1/4" (1707)	13.58 (1.26)
ATS3250	30 5/8" (777)	71 1/4" (1809)	14.43 (1.34)
ATS3254	30 5/8" (777)	75 1/4" (1911)	15.28 (1.42)
ATS3258	30 5/8" (777)	79 1/4" (2012)	16.13 (1.50)
ATS3260	30 5/8" (777)	83 1/4" (2114)	16.98 (1.58)
ATS3264	30 5/8" (777)	87 1/4" (2215)	17.83 (1.66)
ATS3268	30 5/8" (777)	91 1/4" (2317)	18.68 (1.74)
ATS3274	30 5/8" (777)	99 1/4" (2520)	20.38 (1.89)
ATS3280	30 5/8" (777)	107 1/4" (2723)	22.08 (2.05)
ATS3407	32 5/8" (828)	19 1/4" (488)	3.56 (0.33)
ATS3410	32 5/8" (828)	24 1/4" (615)	4.69 (0.44)
ATS3420	32 5/8" (828)	36 1/4" (920)	7.41 (0.69)
ATS3424	32 5/8" (828)	40 1/4" (1022)	8.31 (0.77)
ATS3428	32 5/8" (828)	44 1/4" (1123)	9.22 (0.86)
ATS3430	32 5/8" (828)	48 1/4" (1225)	10.12 (0.94)
ATS3434	32 5/8" (828)	52 1/4" (1326)	11.03 (1.02)
ATS3438	32 5/8" (828)	56 1/4" (1428)	11.93 (1.11)
ATS3440	32 5/8" (828)	60 1/4" (1530)	12.84 (1.19)
ATS3444	32 5/8" (828)	64 1/4" (1631)	13.74 (1.28)
ATS3448	32 5/8" (828)	68 1/4" (1733)	14.65 (1.36)
ATS3450	32 5/8" (828)	72 1/4" (1834)	15.55 (1.45)
ATS3454	32 5/8" (828)	76 1/4" (1936)	16.46 (1.53)
ATS3458	32 5/8" (828)	80 1/4" (2038)	17.37 (1.61)
ATS3460	32 5/8" (828)	84 1/4" (2139)	18.27 (1.70)
ATS3464	32 5/8" (828)	88 1/4" (2241)	19.18 (1.78)
ATS3468	32 5/8" (828)	92 1/4" (2342)	20.08 (1.87)
ATS3474	32 5/8" (828)	100 1/4" (2546)	21.89 (2.03)
ATS3480	32 5/8" (828)	108 1/4" (2749)	23.70 (2.20)
ATS3807	36 5/8" (929)	21 1/4" (539)	4.39 (0.41)
ATS3810	36 5/8" (929)	26 1/4" (666)	5.67 (0.53)
ATS3820	36 5/8" (929)	38 1/4" (971)	8.71 (0.81)
ATS3824	36 5/8" (929)	42 1/4" (1072)	9.73 (0.90)
ATS3828	36 5/8" (929)	46 1/4" (1174)	10.75 (1.00)
ATS3830	36 5/8" (929)	50 1/4" (1276)	11.76 (1.09)
ATS3834	36 5/8" (929)	54 1/4" (1377)	12.78 (1.19)
ATS3838	36 5/8" (929)	58 1/4" (1479)	13.80 (1.28)

Window Number	Unobstructed Glass Width Inches/(mm)	Unobstructed Glass Height Inches/(mm)	Glass Area Sq. Ft./(m²)
ATS3840	36 5/8" (929)	62 1/4" (1580)	14.81 (1.38)
ATS3844	36 5/8" (929)	66 1/4" (1682)	15.83 (1.47)
ATS3848	36 5/8" (929)	70 1/4" (1784)	16.85 (1.57)
ATS3850	36 5/8" (929)	74 1/4" (1885)	17.86 (1.66)
ATS3854	36 5/8" (929)	78 1/4" (1987)	18.88 (1.75)
ATS3858	36 5/8" (929)	82 1/4" (2088)	19.90 (1.85)
ATS3860	36 5/8" (929)	86 1/4" (2190)	20.91 (1.94)
ATS3864	36 5/8" (929)	90 1/4" (2292)	21.93 (2.04)
ATS3868	36 5/8" (929)	94 1/4" (2393)	22.95 (2.13)
ATS3874	36 5/8" (929)	102 1/4" (2596)	24.98 (2.32)
ATS3880	36 5/8" (929)	110 1/4" (2800)	27.01 (2.51)
ATS4007	40 5/8" (1031)	23 1/4" (590)	5.32 (0.49)
ATS4010	40 5/8" (1031)	28 1/4" (717)	6.73 (0.62)
ATS4020	40 5/8" (1031)	40 1/4" (1022)	10.11 (0.94)
ATS4024	40 5/8" (1031)	44 1/4" (1123)	11.24 (1.04)
ATS4028	40 5/8" (1031)	48 1/4" (1225)	12.37 (1.15)
ATS4030	40 5/8" (1031)	52 1/4" (1326)	13.49 (1.25)
ATS4034	40 5/8" (1031)	56 1/4" (1428)	14.62 (1.36)
ATS4038	40 5/8" (1031)	60 1/4" (1530)	15.75 (1.46)
ATS4040	40 5/8" (1031)	64 1/4" (1631)	16.88 (1.57)
ATS4044	40 5/8" (1031)	68 1/4" (1733)	18.00 (1.67)
ATS4048	40 5/8" (1031)	72 1/4" (1834)	19.13 (1.78)
ATS4050	40 5/8" (1031)	76 1/4" (1936)	20.26 (1.88)
ATS4054	40 5/8" (1031)	80 1/4" (2038)	21.39 (1.99)
ATS4058	40 5/8" (1031)	84 1/4" (2139)	22.51 (2.09)
ATS4060	40 5/8" (1031)	88 1/4" (2241)	23.64 (2.20)
ATS4064	40 5/8" (1031)	92 1/4" (2342)	24.77 (2.30)
ATS4068	40 5/8" (1031)	96 1/4" (2444)	25.90 (2.41)
ATS4074	40 5/8" (1031)	104 1/4" (2647)	28.15 (2.62)
ATS4080	40 5/8" (1031)	112 1/4" (2850)	30.41 (2.82)
ATS4407	44 5/8" (1133)	25 1/4" (641)	6.33 (0.59)
ATS4410	44 5/8" (1133)	30 1/4" (768)	7.88 (0.73)
ATS4420	44 5/8" (1133)	42 1/4" (1072)	11.59 (1.08)
ATS4424	44 5/8" (1133)	46 1/4" (1174)	12.83 (1.19)
ATS4428	44 5/8" (1133)	50 1/4" (1276)	14.07 (1.31)
ATS4430	44 5/8" (1133)	54 1/4" (1377)	15.31 (1.42)
ATS4434	44 5/8" (1133)	58 1/4" (1479)	16.55 (1.54)
ATS4438	44 5/8" (1133)	62 1/4" (1580)	17.79 (1.65)
ATS4440	44 5/8" (1133)	66 1/4" (1682)	19.02 (1.77)
ATS4444	44 5/8" (1133)	70 1/4" (1784)	20.26 (1.88)
ATS4448	44 5/8" (1133)	74 1/4" (1885)	21.50 (2.00)
ATS4450	44 5/8" (1133)	78 1/4" (1987)	22.74 (2.11)
ATS4454	44 5/8" (1133)	82 1/4" (2088)	23.98 (2.23)
ATS4458	44 5/8" (1133)	86 1/4" (2190)	25.22 (2.34)
ATS4460	44 5/8" (1133)	90 1/4" (2292)	26.46 (2.46)
ATS4464	44 5/8" (1133)	94 1/4" (2393)	27.70 (2.57)
ATS4468	44 5/8" (1133)	98 1/4" (2495)	28.93 (2.69)
ATS4474	44 5/8" (1133)	106 1/4" (2698)	31.41 (2.92)
ATS4480	44 5/8" (1133)	114 1/4" (2901)	33.89 (3.15)
ATS4807	48 5/8" (1234)	27 1/4" (691)	7.43 (0.69)
ATS4810	48 5/8" (1234)	32 1/4" (818)	9.11 (0.85)
ATS4820	48 5/8" (1234)	44 1/4" (1123)	13.16 (1.22)
ATS4824	48 5/8" (1234)	48 1/4" (1225)	14.51 (1.35)
ATS4828	48 5/8" (1234)	52 1/4" (1326)	15.86 (1.47)
ATS4830	48 5/8" (1234)	56 1/4" (1428)	17.21 (1.60)
ATS4834	48 5/8" (1234)	60 1/4" (1530)	18.56 (1.72)
ATS4838	48 5/8" (1234)	64.219 (1631)	19.91 (1.85)
ATS4840	48 5/8" (1234)	68 1/4" (1733)	21.26 (1.98)
ATS4844	48 5/8" (1234)	72 1/4" (1834)	22.61 (2.10)

• Dimensions in parentheses are in millimeters or square meters.

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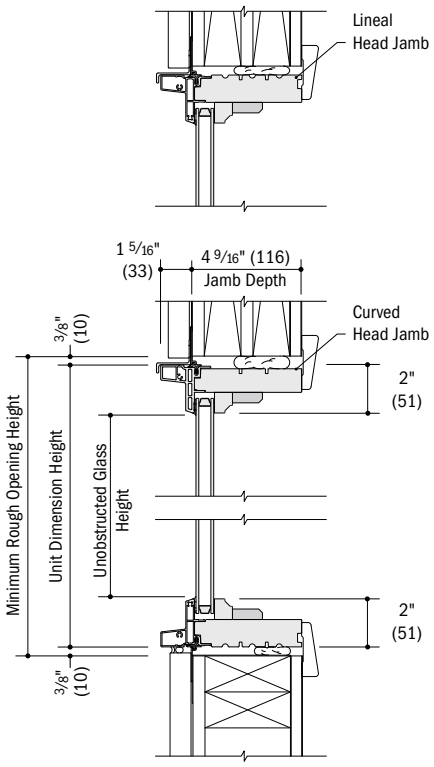
Sash-Set Springline™ Window Unobstructed Glass Dimensions and Area Specifications *(continued)*

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

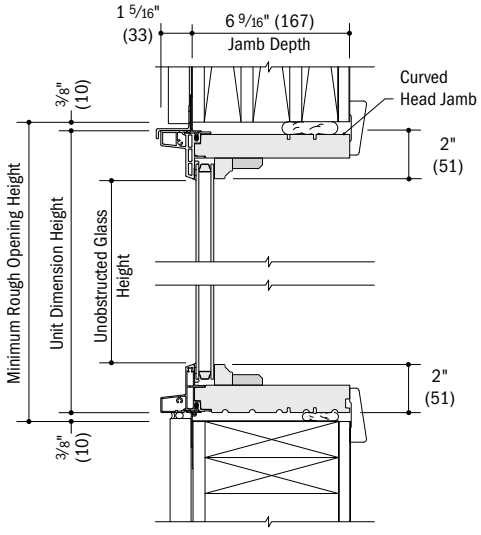
• Dimensions in parentheses are in millimeters or square meters.

Direct-Set Specialty Window Details

Scale 1½" (38) = 1'-0" (305) – 1:8



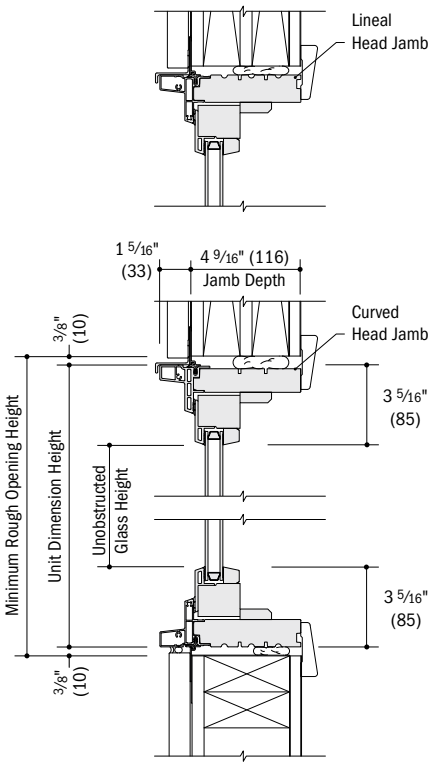
Vertical Section



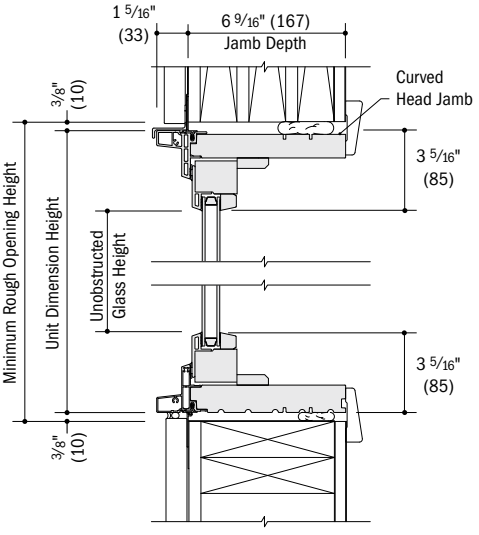
Vertical Section

Sash-Set Specialty Window Details

Scale 1½" (38) = 1'-0" (305) – 1:8



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.

Horizontal (stack) Joining Details

Scale 1 1/2" (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.

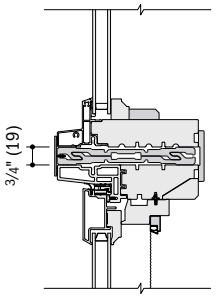
Overall "Window over Window" or "Window over Door" Dimension Height

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

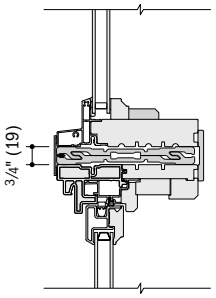
Overall Minimum Rough Opening Height

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

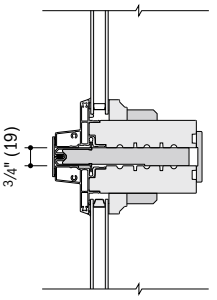
For more joining information, see the combination designs section starting on page 206.



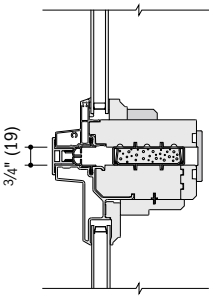
Direct-Set Specialty over Awning/Casement
Fiberglass



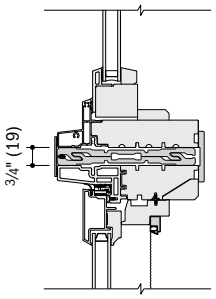
Direct-Set Specialty over Double-Hung
Fiberglass



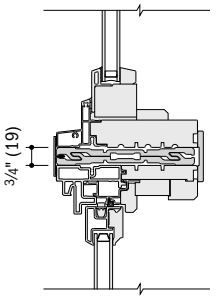
Direct-Set Specialty over Direct-Set Specialty
LVL (factory-joined)



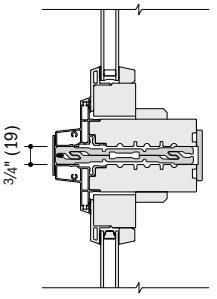
Direct-Set Specialty over Picture
Clip



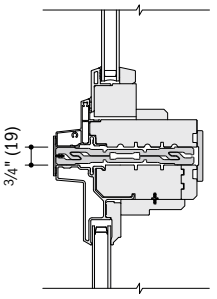
Sash-Set Specialty over Awning/Casement
Fiberglass



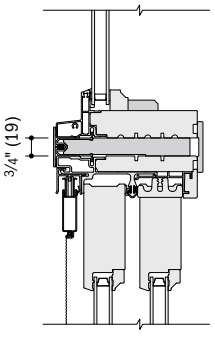
Sash-Set Specialty over Double-Hung
Fiberglass



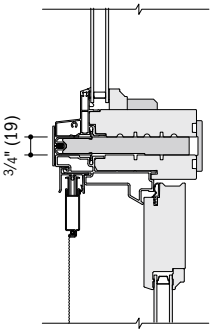
Sash-Set Specialty over Sash-Set Specialty
Fiberglass



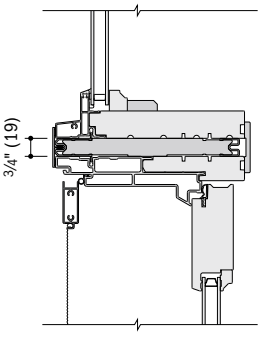
Sash-Set Specialty over Picture
Fiberglass



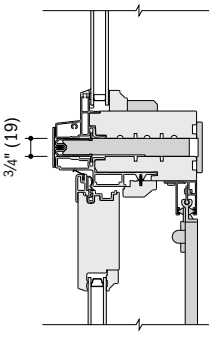
Direct-Set Specialty over Frenchwood® Gliding Patio Door
LVL



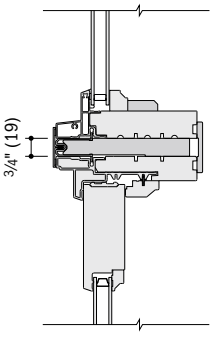
Direct-Set Specialty over Frenchwood® Hinged Inswing Patio Door
LVL – 4 9/16" (116) Jamb Depth



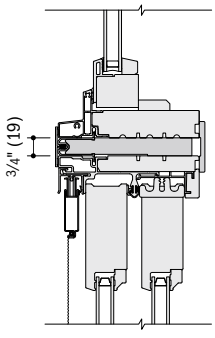
Direct-Set Specialty over Frenchwood® Hinged Inswing Patio Door
LVL – 6 9/16" (167) Jamb Depth



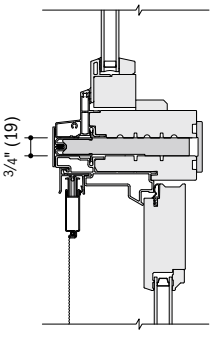
Direct-Set Specialty over Frenchwood® Hinged Outswing Patio Door
LVL



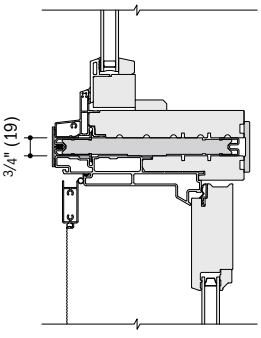
Direct-Set Specialty over Frenchwood® Patio Door Sidelight
LVL



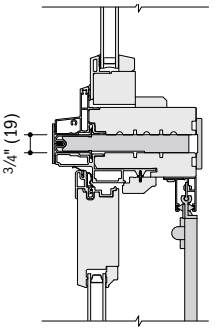
Sash-Set Specialty over Frenchwood® Gliding Patio Door
LVL



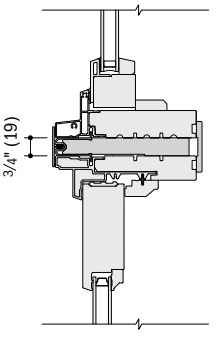
Sash-Set Specialty over Frenchwood® Hinged Inswing Patio Door
LVL – 4 9/16" (116) Jamb Depth



Sash-Set Specialty over Frenchwood® Hinged Inswing Patio Door
LVL – 6 9/16" (167) Jamb Depth



Sash-Set Specialty over Frenchwood® Hinged Outswing Patio Door
LVL



Sash-Set Specialty over Frenchwood® Patio Door Sidelight
LVL

- 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

CUSTOM SIZING

in ⅛" (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

Ⓐ 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.

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

Ⓒ Interior stops are unfinished. Low-maintenance prefinished White, Dark Bronze and Black interiors are also available.

Installation flange extends 1 ½" (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

Ⓓ Wood core members provide excellent structural stability and energy efficiency.

Ⓔ Heavy-duty extruded aluminum cladding protects the sash exterior, providing low-maintenance durability.

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

Glass

Ⓖ Silicone glazing bead combined with two-sided silicone tape provides superior weathertightness.

Ⓗ 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

White | Canvas | Sandtone | Terratone | Forest Green | Dark Bronze | Dove Gray

Prairie Grass | Red Rock | Cocoa Bean | Black

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 | Black

HARDWARE FINISHES

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

Gold Dust | Oil Rubbed Bronze | Polished Chrome | Satin Nickel | Stone | White

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 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 Jambs





Complementary casement jamb depth is 3 3⁄8" (86). Extension jambs 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 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

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 for details.
Dimensions in parentheses are in millimeters.

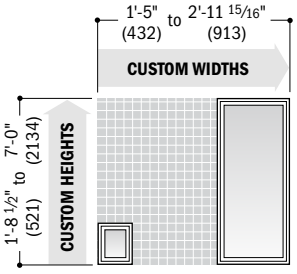
COMPLEMENTARY CASEMENT WINDOWS

Styles and Sizes

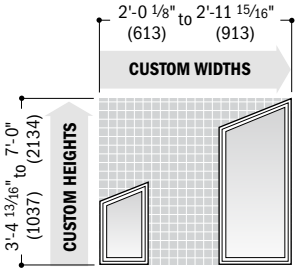
Choose left, right or stationary as viewed from the exterior. For standard sizes, minimum rough opening dimensions and opening specifications, contact your Andersen supplier. Complementary casement windows are designed to be stand-alone feature windows and cannot be directly joined to A-Series windows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

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

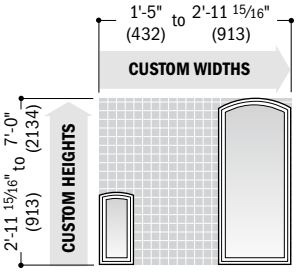
Rectangle Casement



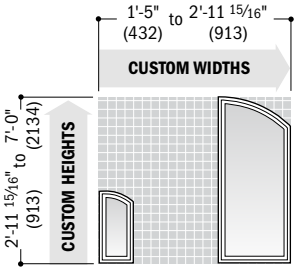
Trapezoid Casement*



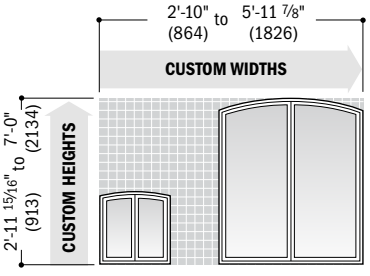
Arch Casement*



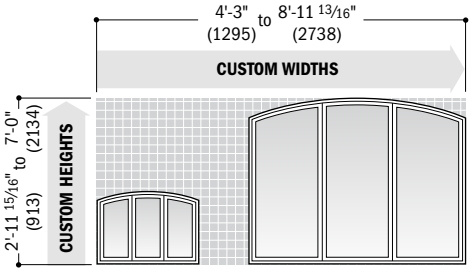
Unequal Leg Arch Casement



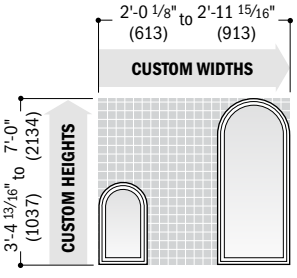
Twin Arch Casement*



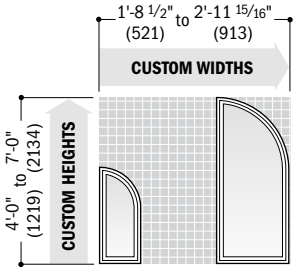
Triple Arch Casement*



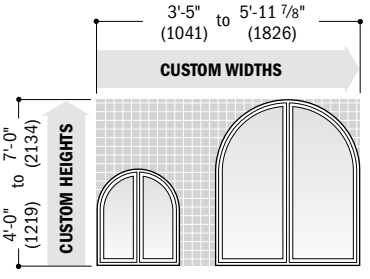
Springline™ Casement*



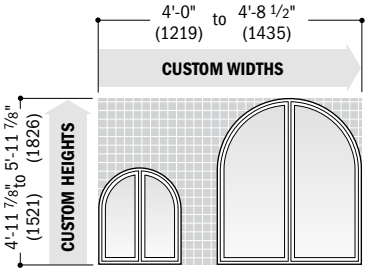
Springline™ Flanker Casement*



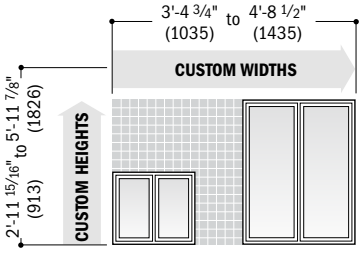
Twin Springline™ Casement*



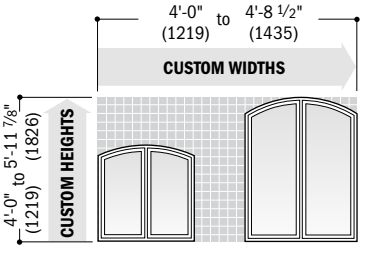
Springline™ French Casement



Rectangle French Casement



Arch French Casement



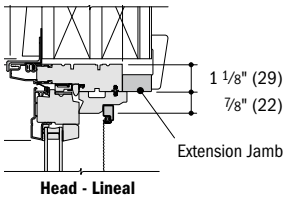
For casement picture and transom window sizes contact your Andersen supplier.

- **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.

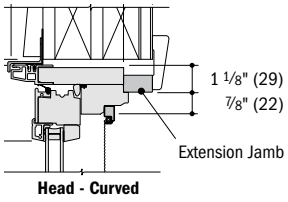
Clad Complementary Venting Casement Window Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



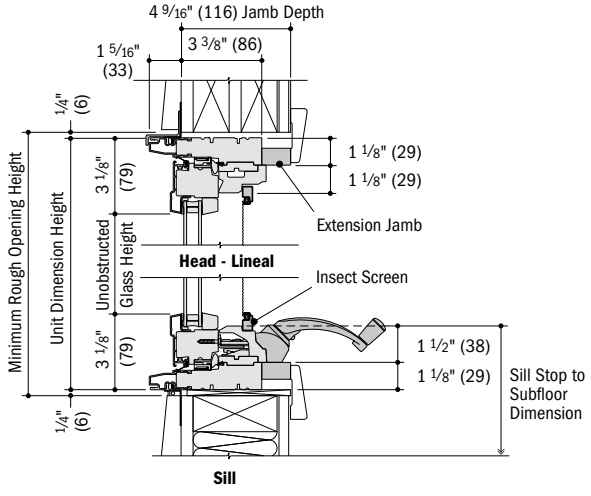
Head - Lineal

Trapezoid



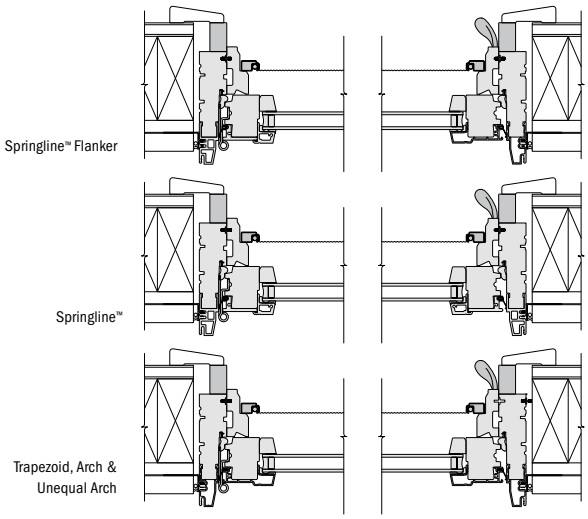
Head - Curved

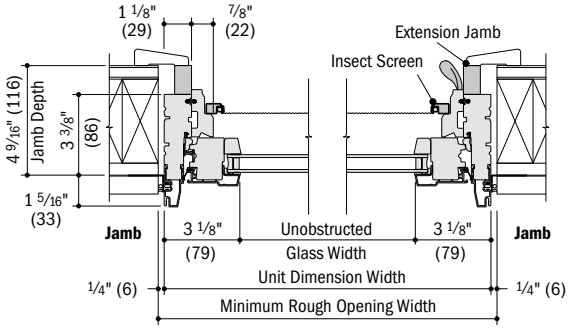
Arch, Unequal Leg Arch, Springline™ & Springline™ Flanker



Vertical Section

Rectangle



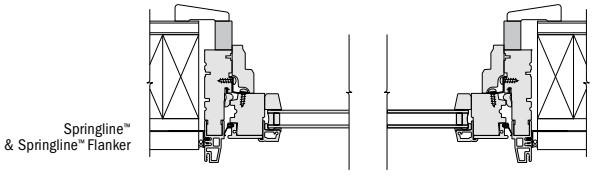


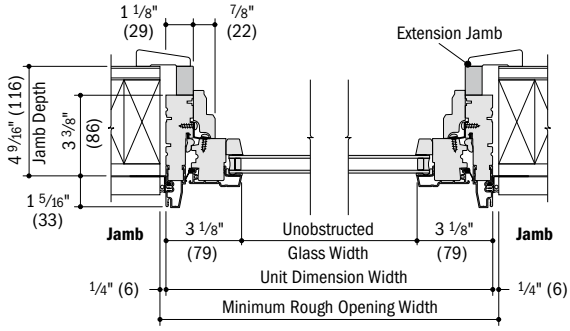
Horizontal Section

Rectangle

Clad Complementary Stationary Casement Window Details

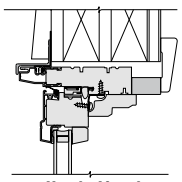
Scale 1 1/2" (38) = 1'-0" (305) – 1:8





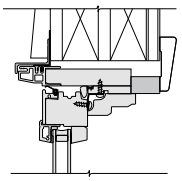
Horizontal Section

Rectangle, Arch, Unequal Leg Arch & Trapezoid



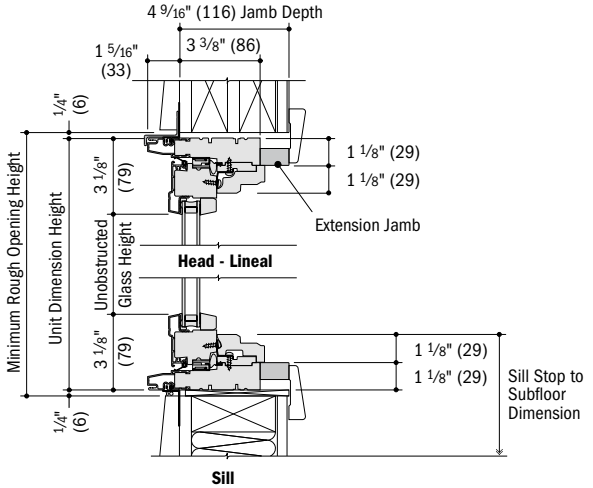
Head - Lineal

Trapezoid



Head - Curved

Arch, Unequal Leg Arch, Springline™ & Springline™ Flanker



Vertical Section

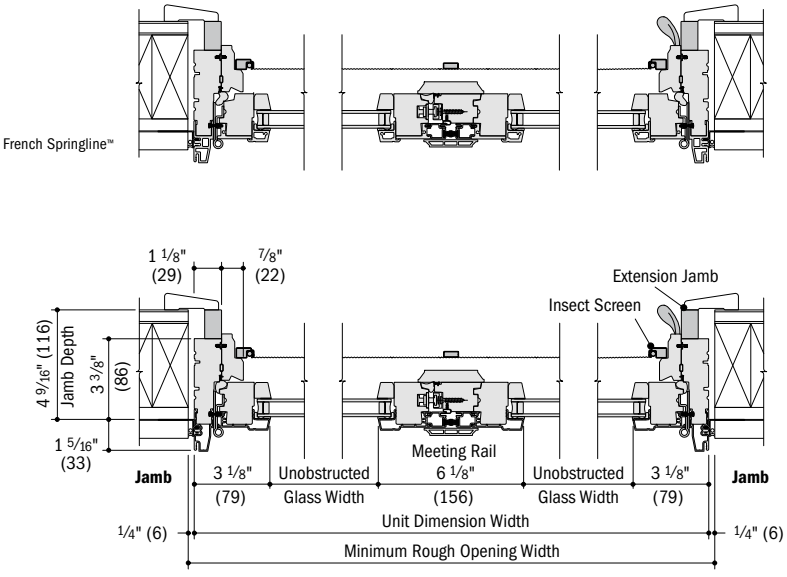
Rectangle

- 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

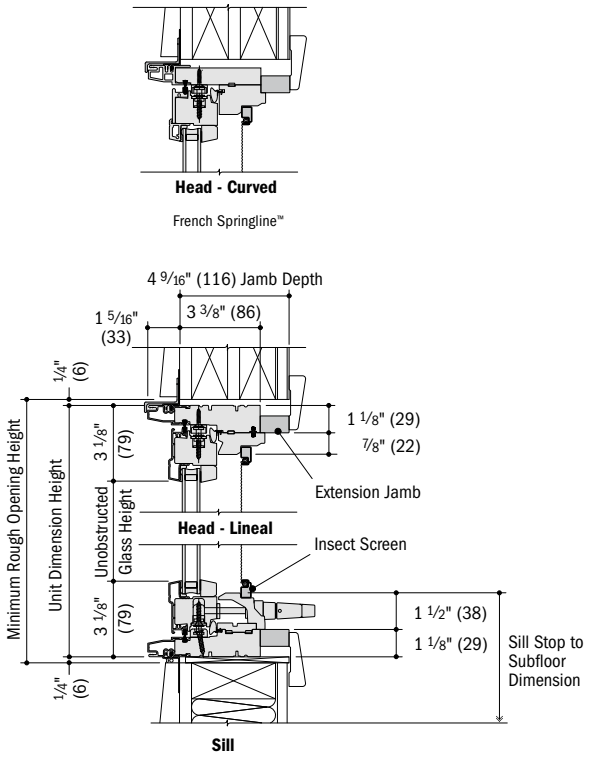
Clad Complementary Venting French Casement Window Details

Scale 1½" (38) = 1'-0" (305) – 1:8



Horizontal Section

French Rectangle & French Arch

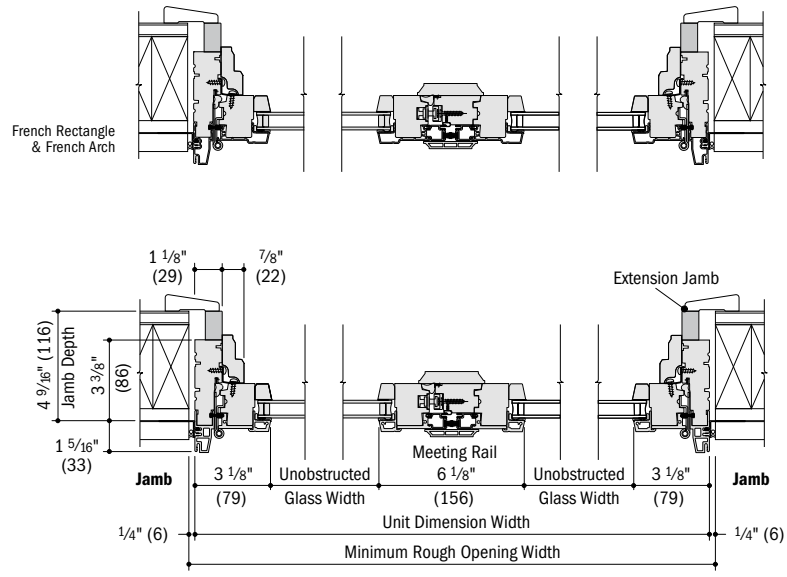


Vertical Section

French Rectangle & French Arch

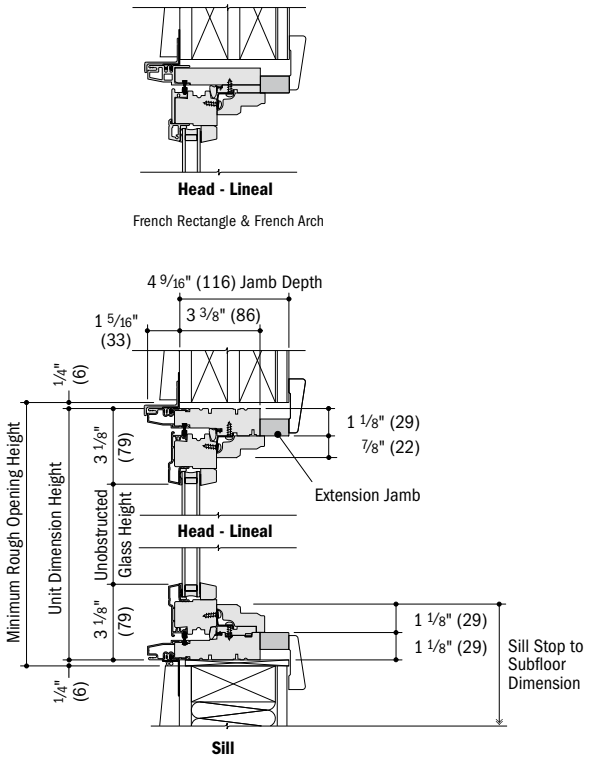
Clad Complementary Stationary French Casement Window Details

Scale 1½" (38) = 1'-0" (305) – 1:8



Horizontal Section

French Springline™



Vertical Section

French Springline™

- 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® PATIO DOORS



CUSTOM SIZING

in 1⁄8" (3) increments

SECTION REFERENCE

Frenchwood® 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
Grille Patterns 154
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.

FEATURES

FRENCHWOOD® GLIDING PATIO DOORS

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.

Ⓒ 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.

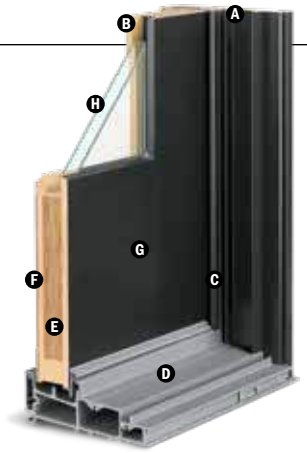
Sill

Ⓓ 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

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

Ⓕ 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.

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.

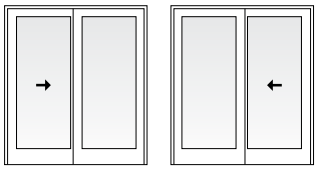
A parting stop bracket adds strength to the door by reinforcing the top of the panels.

Flexible Seal

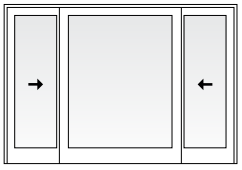


A full-length combination weatherstrip/interlock system provides a flexible seal at the meeting stile. Shown on a 400 Series Frenchwood gliding patio door.

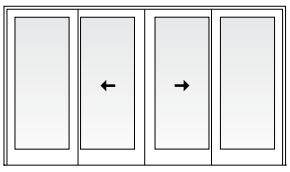
Multiple Panel Configurations



Two-Panel



Three-Panel



Four-Panel

Ⓗ 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

Ⓐ 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.

Frenchwood hinged inswing patio doors are available in 4 9/16" (116) and 6 9/16" (167) jamb depths.

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.

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

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.

Ⓔ 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.

Ⓖ 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.



Ⓗ 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 PROTECTION

Frenchwood patio doors are available with Stormwatch® protection. For a copy of the *Andersen® Coastal Product Guide*, go to **andersenwindows.com/coastal** or contact your Andersen supplier.

Performance Grade (PG) Upgrade Optional Drop-Nose Channel

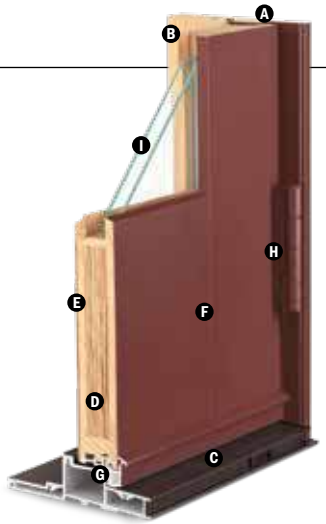


A factory-applied, patented drop-nose channel is available when higher product performance is required. Drop-nose channel provides enhanced water performance without increasing interior sill height. Shown on a Frenchwood hinged inswing patio door. Details shown for gliding door on page 133 and hinged inswing door on page 139.

* Visit andersenwindows.com/warranty 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.
Dimensions in parentheses are in millimeters.

FEATURES

FRENCHWOOD® HINGED OUTSWING PATIO DOORS



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 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

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

Ⓔ 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.

Ⓖ 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.

Ⓗ 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.

Ⓘ 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 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.

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.

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.

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.

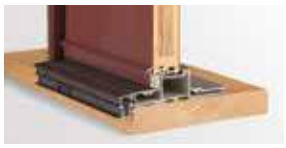
Taller Heights

A-Series Frenchwood patio doors and patio door sidelights are available in 10' (3028) heights.

StormWATCH PROTECTION

Frenchwood patio doors are available with Stormwatch® protection. For a copy of the *Andersen® Coastal Product Guide*, go to **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 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

White | Canvas | Sandtone | Terratone

Forest Green | Dark Bronze | Dove Gray | Prairie Grass

Red Rock | Cocoa Bean | Black

INTERIOR

WOOD SPECIES

Pine | Maple | Oak | Cherry | Mahogany* | Vertical Grain Douglas Fir

FACTORY-FINISHED INTERIORS

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

Clear Coat | Honey | Cinnamon | Russet | Mocha | Espresso

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.

White | Birch Bark | Primed (for paint)

Canvas | Sandtone | Dark Bronze

Black

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

HARDWARE FINISHES

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

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

HARDWARE OPTIONS Sold Separately**



YUMA®	ENCINO®	ANVERS®	NEWBURY®	COVINGTON™	WHITMORE®	ALBANY	TRIBECA®
Distressed Bronze	**Distressed Bronze**	Bright Brass	Antique Brass	Antique Brass	**Antique Brass**	Black	Stone
Distressed Nickel	Distressed Nickel	Oil Rubbed Bronze	Bright Brass	**Bright Brass**	Bright Brass	**Gold Dust**	**White**
		Satin Nickel	Brushed Chrome	Oil Rubbed Bronze	Oil Rubbed Bronze	Stone	
			Oil Rubbed Bronze		Satin Nickel	White	
			Polished Chrome				
			Satin Nickel				

Bold name denotes finish shown.

FSB® HINGED PATIO DOOR HARDWARE



1035 | 1075 | 1076 | 1102

Satin Stainless Steel

* 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. Tribeca 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 Jambs

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 jambs 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 9/16" (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

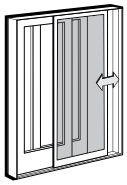
Andersen® Art Glass

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** for details and pattern information.

Insect Screens

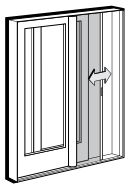
All insect screens have a long-lasting** fiberglass mesh with a charcoal finish. Insect screen frames are color matched to the exterior of your door unless otherwise noted.

Top-Hung Gliding and Gliding Insect Screens for Frenchwood Gliding and Hinged Inswing Patio Doors



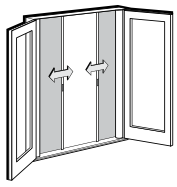
Patented square corner joints add considerable strength to the frame members. The insect screen is available in a conventional gliding or a premium top-hung gliding design. The conventional insect screen has bottom rollers with self-contained leveling adjusters. The premium top-hung insect screen has 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



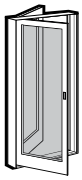
The retractable insect screen is installed on the exterior of the door and opens side-to-side across the width of the opening. When the insect screen is not in use, it neatly retracts into a small canister mounted on the exterior of the door. Available for two-panel doors. Please note, retractable screen track reduces clear opening height by 1" (25).

Retractable Insect Screen for Frenchwood Hinged Outswing Patio Doors



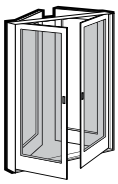
The retractable insect screen is installed on the interior of the door across the width of the opening. When the insect screen is not in use, it neatly retracts into small canisters mounted on each side of the door. Retractable insect screens are available for single-panel and two-panel doors with White, 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 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)
Minimum Rough Opening	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)
3 heights						
1 FWGD	2968**S**	5068**L**	5068**R**	91068-3		91068-4*
2 FWGD	29611**S**	50611**L**	50611**R**	910611-3		910611-4*
3 FWGD	2980**S**	5080**L**	5080**R**	91080-3		91080-4*

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)
Minimum Rough Opening	3'-3" (991)	6'-0" (1829)	6'-0" (1829)	11'-10" (3606)	11'-10" (3600)
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)
3 heights					
1 FWGD	3368**S**	6068**L**	6068**R**	111068-3	111068-4*
2 FWGD	33611**S**	60611**L**	60611**R**	1110611-3	1110611-4*
3 FWGD	3380**S**	6080**L**	6080**R**	111080-3	111080-4*

Door Dimension	3'-8 3/8" (1126)	6'-11 1/4" (2114)	6'-11 1/4" (2114)
Minimum Rough Opening	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)
3 heights			
1 FWGD	3968**S**	7068**L**	7068**R**
2 FWGD	39611**S**	70611**L**	70611**R**
3 FWGD	3980**S**	7080**L**	7080**R**

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.

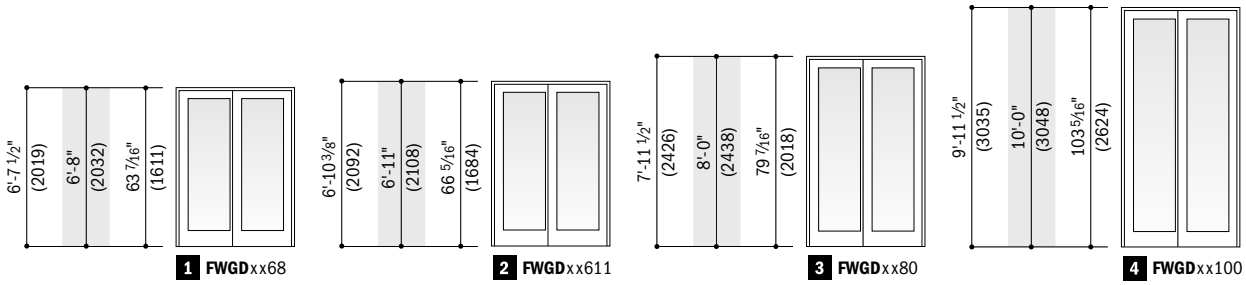
Details shown on pages 132-133. Grille patterns shown on page 146.

Door Dimension	4'-2 3/8" (1279)	7'-11 1/4" (2419)	7'-11 1/4" (2419)	15'-9" (4801)	
Minimum Rough Opening	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)	
3 heights					
1 FWGD	4368**S**	8068**L**	8068**R**	151068-4*	
2 FWGD	43611**S**	80611**L**	80611**R**	1510611-4*	
3 FWGD	4380**S**	8080**L**	8080**R**	151080-4*	

- "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./(m²)	Clear Opening in Full Open Position: Width Inches/(mm)	Clear Opening in Full Open Position: Height Inches/(mm)	Glass Area Sq. Ft./(m²)	Vent Area Sq. Ft./(m²)	Overall Door Area Sq. Ft./(m²)
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

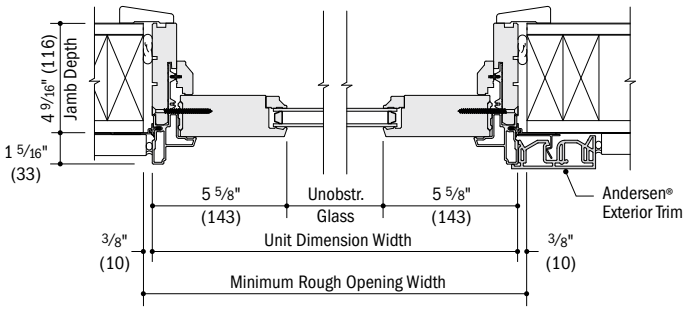
Door Number	Glass Area Sq. Ft./(m²)	Overall Door Area Sq. Ft./(m²)
FWGD2968**S**	9.31 (0.86)	17.86 (1.66)
FWGD3368**S**	11.95 (1.11)	21.17 (1.97)
FWGD3968**S**	14.59 (1.36)	24.48 (2.27)
FWGD4368**S**	17.24 (1.60)	27.79 (2.58)
FWGD29611**S**	9.73 (0.90)	18.50 (1.72)
FWGD33611**S**	12.49 (1.16)	21.93 (2.04)
FWGD39611**S**	15.25 (1.42)	25.37 (2.36)
FWGD43611**S**	18.02 (1.67)	28.80 (2.68)
FWGD2980**S**	11.65 (1.08)	21.45 (1.99)
FWGD3380**S**	14.96 (1.39)	21.94 (2.04)
FWGD3980**S**	18.27 (1.70)	29.41 (2.73)
FWGD4380**S**	21.58 (2.00)	33.39 (3.10)
FWGD29100**S**	15.17 (1.41)	26.84 (2.49)
FWGD33100**S**	19.48 (1.81)	31.82 (2.96)
FWGD39100**S**	23.79 (2.21)	36.80 (3.42)
FWGD43100**S**	28.10 (2.61)	41.78 (3.88)

• Dimensions in parentheses are in square meters.

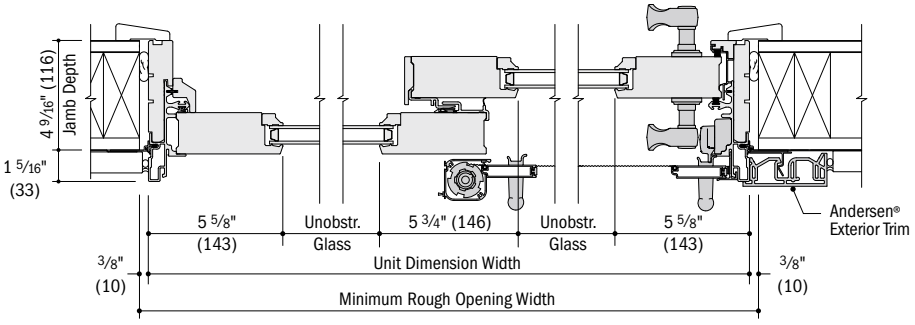
FRENCHWOOD® GLIDING PATIO DOORS

Frenchwood® Gliding Patio Door Details

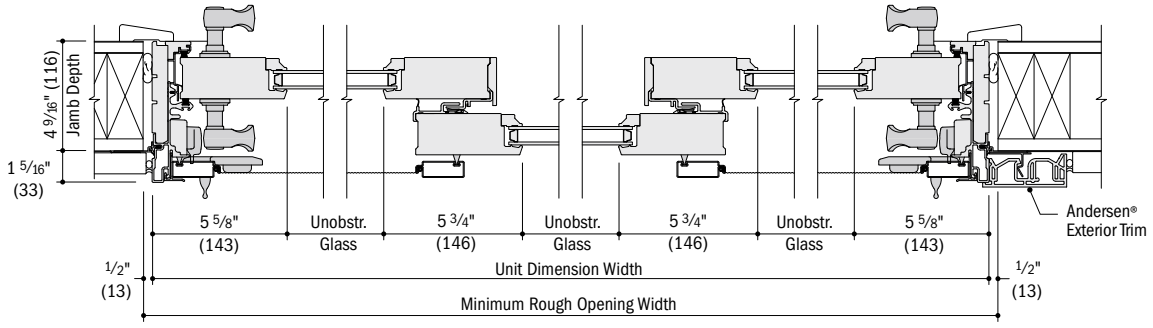
Scale 1½" (38) = 1'-0" (305) – 1:8



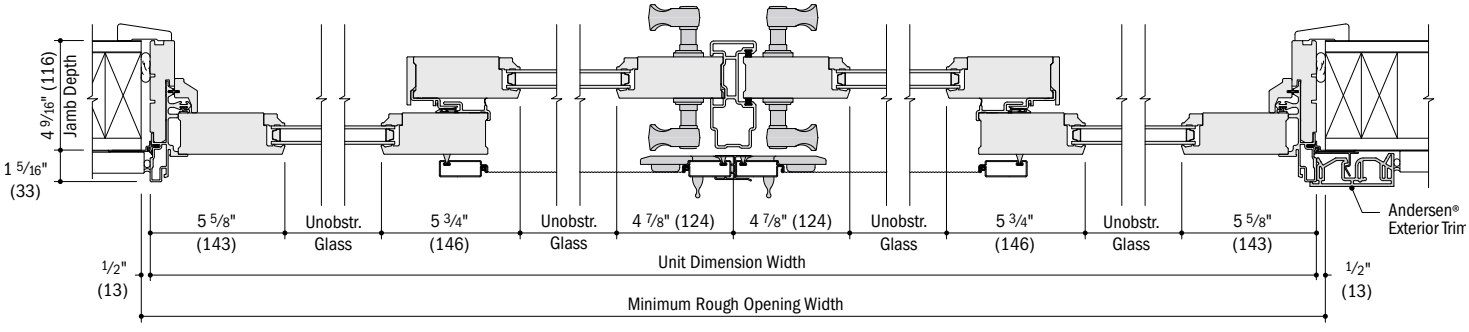
Horizontal Section – Stationary



Horizontal Section – Two-Panel
Retractable Insect Screen



Horizontal Section – Three-Panel
Top-Hung Gliding or Gliding Insect Screen

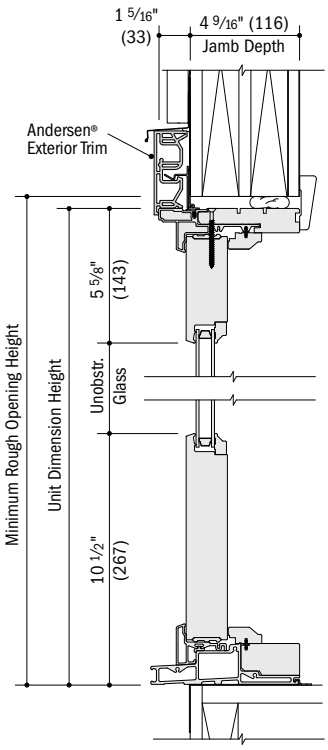


Horizontal Section – Four-Panel
Top-Hung Gliding or Gliding Insect Screen

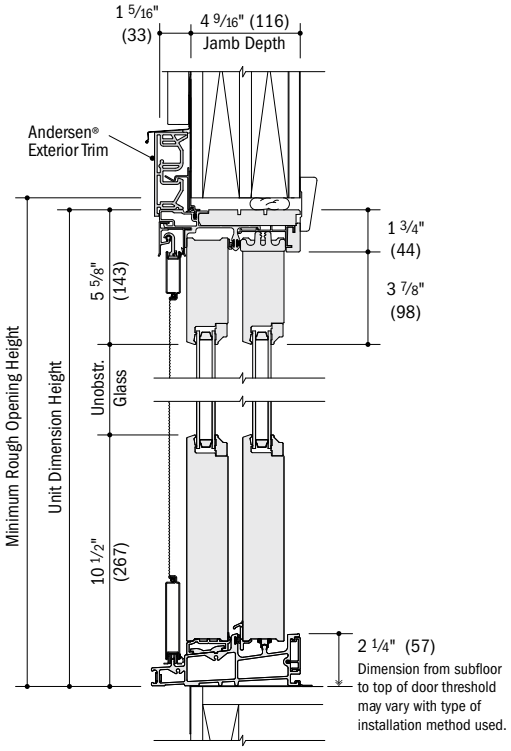
- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need 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

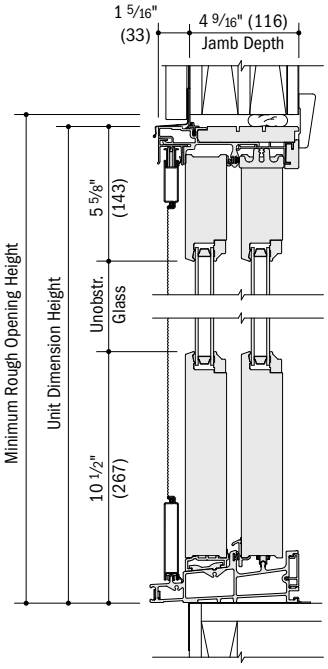
Scale 1½" (38) = 1'-0" (305) – 1:8



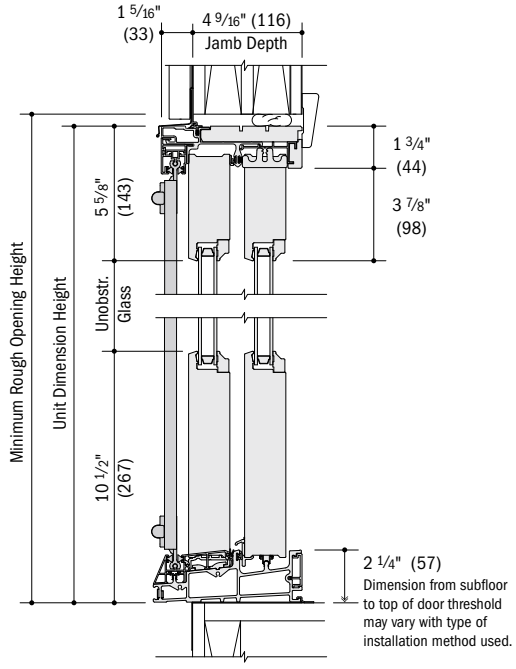
Vertical Section – Stationary



Vertical Section – Operating
Top-Hung Gliding Insect Screen



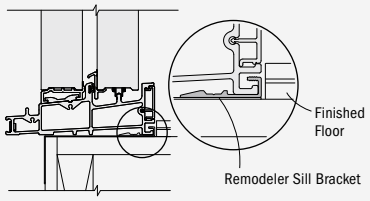
Vertical Section – Operating
Gliding Insect Screen



Vertical Section – Operating
Retractable Insect Screen

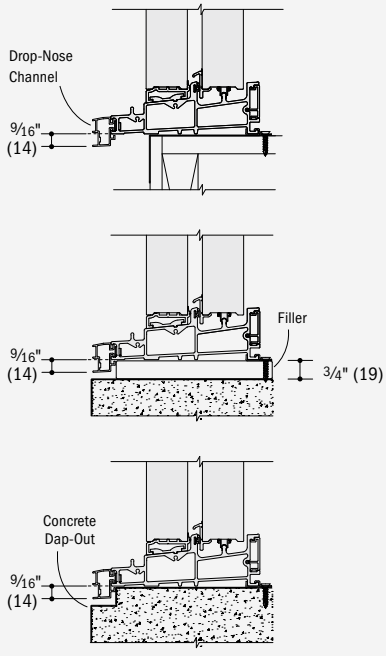
Remodeler Sill Bracket

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.

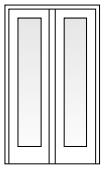
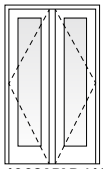
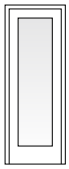
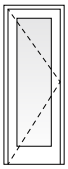
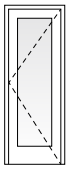
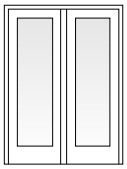
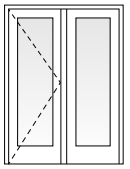
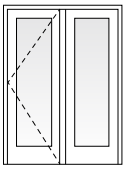
- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need 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.

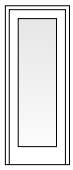
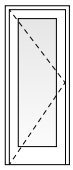
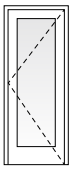
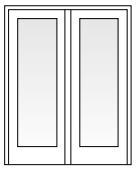
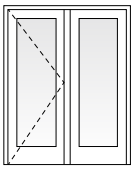
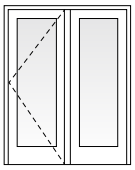
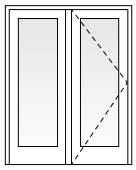
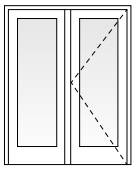
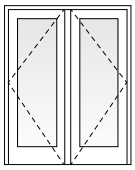
FRENCHWOOD® HINGED INSWING PATIO DOORS

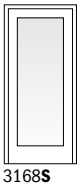
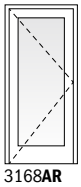
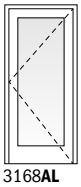
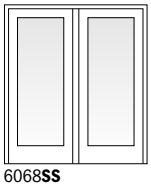
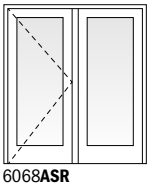
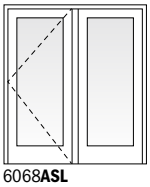
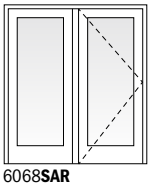
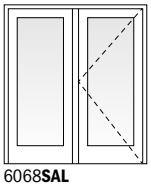
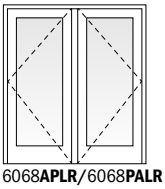
Table of Frenchwood® Hinged Inswing Patio Door Sizes

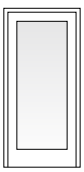
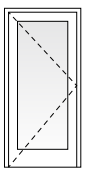
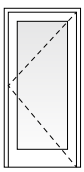
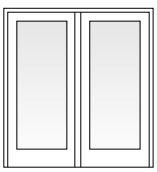
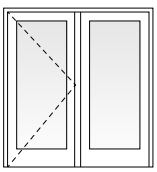
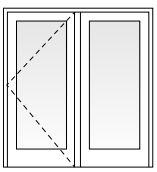
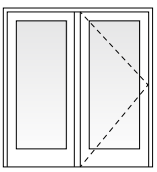
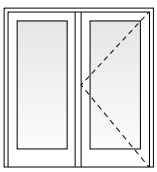
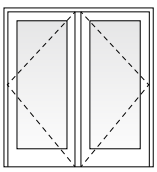
Notes on the next page also apply to this page.

Scale ⅛" (3) = 1'-0" (305) — 1:96

Door Dimension	2'-0 ⅛" (612)	3'-11 ¼" (1200)	3'-11 ¼" (1200)	2'-6 ⅛" (764)	2'-6 ⅛" (764)	2'-6 ⅛" (764)	4'-11 ¼" (1505)	4'-11 ¼" (1505)	4'-11 ¼" (1505)
Minimum Rough Opening	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 ⅞" (327)	12 ⅞" (327)	12 ⅞" (327)	18 ⅞" (479)	18 ⅞" (479)	18 ⅞" (479)	18 ⅞" (479)	18 ⅞" (479)	18 ⅞" (479)
3 heights									
1 FWHID	2168**S***	4068**SS**	4068**APLR**/4068**PALR**	2768**S**	2768**AR**	2768**AL**	5068**SS**	5068**ASR**	5068**ASL**
2 FWHID	21611**S***	40611**SS**	40611**APLR**/40611**PALR**	27611**S**	27611**AR**	27611**AL**	50611**SS**	50611**ASR**	50611**ASL**
3 FWHID	2180**S***	4080**SS**	4080**APLR**/4080**PALR**	2780**S**	2780**AR**	2780**AL**	5080**SS**	5080**ASR**	5080**SASL**

Door Dimension	2'-8 ⅛" (815)	2'-8 ⅛" (815)	2'-8 ⅛" (815)	5'-3 ¼" (1607)	5'-3 ¼" (1607)	5'-3 ¼" (1607)	5'-3 ¼" (1607)	5'-3 ¼" (1607)	5'-3 ¼" (1607)
Minimum Rough Opening	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 ⅞" (530)	20 ⅞" (530)	20 ⅞" (530)	20 ⅞" (530)	20 ⅞" (530)	20 ⅞" (530)	20 ⅞" (530)	20 ⅞" (530)	20 ⅞" (530)
3 heights									
1 FWHID	2968**S**	2968**AR**	2968**AL**	5468**SS**	5468**ASR**	5468**ASL**	5468**SAR**	5468**SAL**	5468**APLR**/5468**PALR**
2 FWHID	29611**S**	29611**AR**	29611**AL**	54611**SS**	54611**ASR**	54611**ASL**	54611**SAR**	54611**SAL**	54611**APLR**/54611**PALR**
3 FWHID	2980**S**	2980**AR**	2980**AL**	5480**SS**	5480**ASR**	5480**SASL**	5480**SAR**	5480**SAL**	5480**APLR**/5480**PALR**

Door Dimension	3'-0 ⅛" (917)	3'-0 ⅛" (917)	3'-0 ⅛" (917)	5'-11 ¼" (1810)	5'-11 ¼" (1810)	5'-11 ¼" (1810)	5'-11 ¼" (1810)	5'-11 ¼" (1810)	5'-11 ¼" (1810)
Minimum Rough Opening	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 ⅞" (632)	24 ⅞" (632)	24 ⅞" (632)	24 ⅞" (632)	24 ⅞" (632)	24 ⅞" (632)	24 ⅞" (632)	24 ⅞" (632)	24 ⅞" (632)
3 heights									
1 FWHID	3168**S**	3168**AR**	3168**AL**	6068**SS**	6068**ASR**	6068**ASL**	6068**SAR**	6068**SAL**	6068**APLR**/6068**PALR**
2 FWHID	31611**S**	31611**AR**	31611**AL**	60611**SS**	60611**ASR**	60611**ASL**	60611**SAR**	60611**SAL**	60611**APLR**/60611**PALR**
3 FWHID	3180**S**	3180**AR**	3180**AL**	6080**SS**	6080**ASR**	6080**SASL**	6080**SAR**	6080**SAL**	6080**APLR**/6080**PALR**

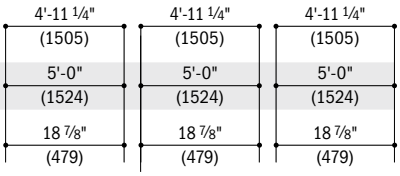
Door Dimension	3'-2 ⅛" (968)	3'-2 ⅛" (968)	3'-2 ⅛" (968)	6'-3 ¼" (1911)	6'-3 ¼" (1911)	6'-3 ¼" (1911)	6'-3 ¼" (1911)	6'-3 ¼" (1911)	6'-3 ¼" (1911)
Minimum Rough Opening	3'-3" (991)	3'-3" (991)	3'-3" (991)	6'-4" (1930)	6'-4" (1930)	6'-4" (1930)	6'-4" (1930)	6'-4" (1930)	6'-4" (1930)
Unobstructed Glass (single panel only)	26 ⅞" (683)	26 ⅞" (683)	26 ⅞" (683)	26 ⅞" (683)	26 ⅞" (683)	26 ⅞" (683)	26 ⅞" (683)	26 ⅞" (683)	26 ⅞" (683)
3 heights									
1 FWHID	3368**S**	3368**AR**	3368**AL**	6468**SS**	6468**ASR**	6468**ASL**	6468**SAR**	6468**SAL**	6468**APLR**/6468**PALR**
2 FWHID	33611**S**	33611**AR**	33611**AL**	64611**SS**	64611**ASR**	64611**ASL**	64611**SAR**	64611**SAL**	64611**APLR**/64611**PALR**
3 FWHID	3380**S**	3380**AR**	3380**AL**	6480**SS**	6480**ASR**	6480**SASL**	6480**SAR**	6480**SAL**	6480**APLR**/6480**PALR**

- "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.



5068**SAR**
50611**SAR**
5080**SAR**

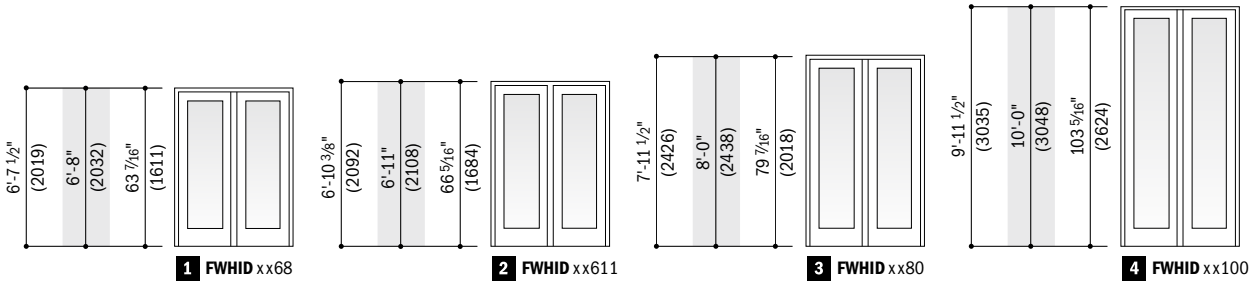
5068**SAL**
50611**SAL**
5080**SAL**

5068**APLR**/5068**PALR**
50611**APLR**/50611**PALR**
5080**APLR**/5080**PALR**

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.

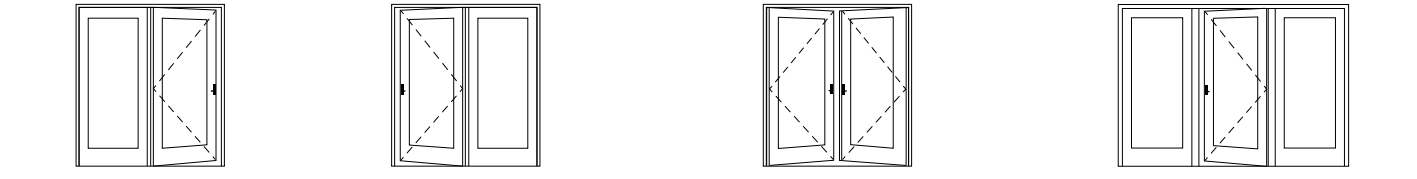
Four Patio Door Heights



1 **FWHID** x x68
2 **FWHID** x x611
3 **FWHID** x x80
4 **FWHID** x x100

Order Designation Description

Viewed from the exterior.

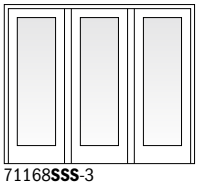
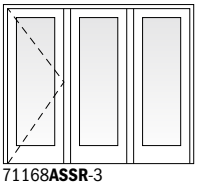
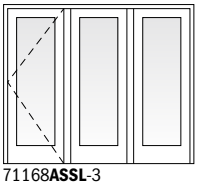
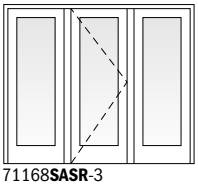
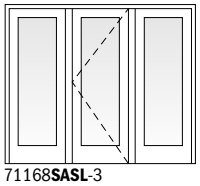
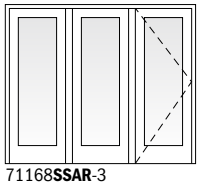


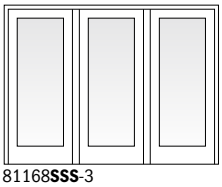
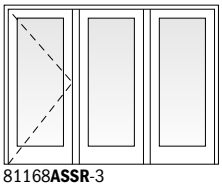
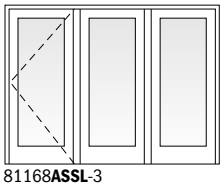
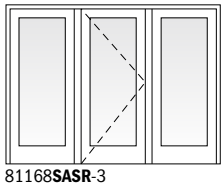
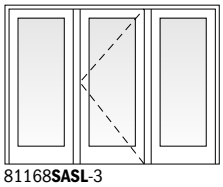
- "Door Dimension" always refers to outside frame to frame dimension.
- **"Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
- Dimensions in parentheses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

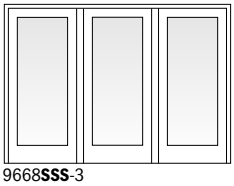
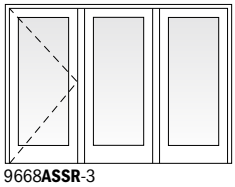
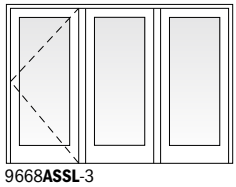
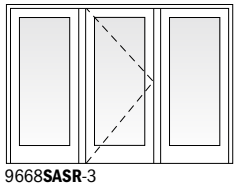
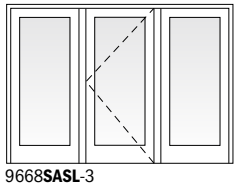
FRENCHWOOD® HINGED INSWING PATIO DOORS

Table of Frenchwood® Hinged Inswing Patio Door Sizes *(continued)*

Scale ⅛" (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)
Minimum Rough Opening	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						
1 **FWHID**	71168**SSS**-3	71168**ASSR**-3	71168**ASSL**-3	71168**SASR**-3	71168**SASL**-3	71168**SSAR**-3
2 **FWHID**	711611**SSS**-3	711611**ASSR**-3	711611**ASSL**-3	711611**SASR**-3	711611**SASL**-3	711611**SSAR**-3
3 **FWHID**	71180**SSS**-3	71180**ASSR**-3	71180**SASSL**-3	71180**SASR**-3	71180**SASL**-3	71180**SSAR**-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)
Minimum Rough Opening	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)
3 heights					
1 **FWHID**	81168**SSS**-3	81168**ASSR**-3	81168**ASSL**-3	81168**SASR**-3	81168**SASL**-3
2 **FWHID**	811611**SSS**-3	811611**ASSR**-3	811611**ASSL**-3	811611**SASR**-3	811611**SASL**-3
3 **FWHID**	81180**SSS**-3	81180**ASSR**-3	81180**SASSL**-3	81180**SASR**-3	81180**SASL**-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)
Minimum Rough Opening	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)
3 heights					
1 **FWHID**	9668**SSS**-3	9668**ASSR**-3	9668**ASSL**-3	9668**SASR**-3	9668**SASL**-3
2 **FWHID**	96611**SSS**-3	96611**ASSR**-3	96611**ASSL**-3	96611**SASR**-3	96611**SASL**-3
3 **FWHID**	9680**SSS**-3	9680**ASSR**-3	9680**ASSL**-3	9680**SASR**-3	9680**SASL**-3

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

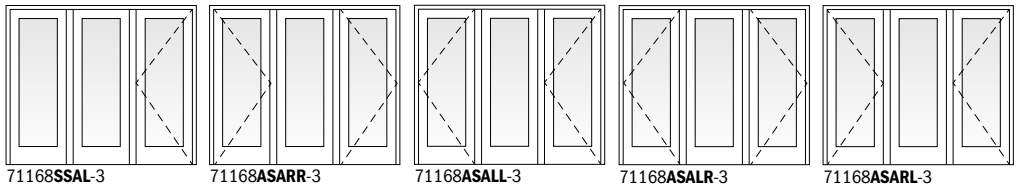
See pages 160-162 for custom sizes, specifications and information on shipping patio doors greater than 8' (2438).

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.

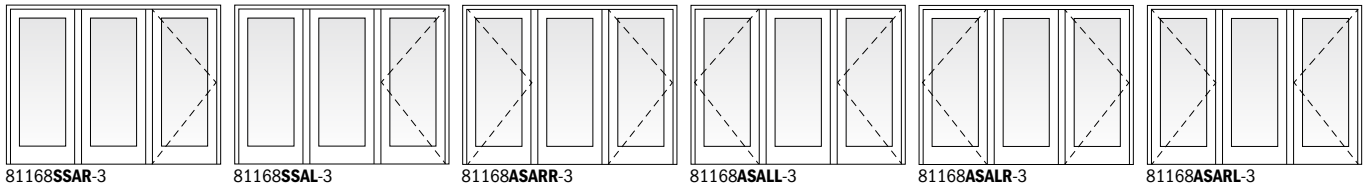
Inswing patio door sizes on pages 134-137.

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)



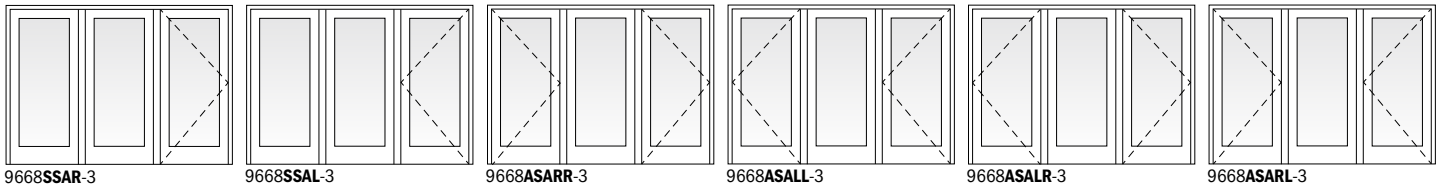
71168**SSAL**-3 711611**SSAL**-3 71180**SSAL**-3	71168**ASARR**-3 711611**ASARR**-3 71180**ASARR**-3	71168**ASALL**-3 711611**ASALL**-3 71180**ASALL**-3	71168**ASALR**-3 711611**ASALR**-3 71180**ASALR**-3	71168**ASARL**-3 711611**ASARL**-3 71180**ASARL**-3

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)



81168**SSAR**-3 811611**SSAR**-3 81180**SSAR**-3	81168**SSAL**-3 811611**SSAL**-3 81180**SSAL**-3	81168**ASARR**-3 811611**ASARR**-3 81180**ASARR**-3	81168**ASALL**-3 811611**ASALL**-3 81180**ASALL**-3	81168**ASALR**-3 811611**ASALR**-3 81180**ASALR**-3	81168**ASARL**-3 811611**ASARL**-3 81180**ASARL**-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)



9668**SSAR**-3 96611**SSAR**-3 9680**SSAR**-3	9668**SSAL**-3 96611**SSAL**-3 9680**SSAL**-3	9668**ASARR**-3 96611**ASARR**-3 9680**ASARR**-3	9668**ASALL**-3 96611**ASALL**-3 9680**ASALL**-3	9668**ASALR**-3 96611**ASALR**-3 9680**ASALR**-3	9668**ASARL**-3 96611**ASARL**-3 9680**ASARL**-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./(m²)	Clear Opening Maximums: 90° Width Inches/(mm)	Clear Opening Maximums: Full Width Inches/(mm)	Clear Opening Maximums: Height Inches/(mm)	Glass Area Sq. Ft./(m²)	Vent Area Sq. Ft./(m²)	Overall Door Area Sq. Ft./(m²)
FWHID2168**S****	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)
FWHID2768	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)
FWHID2968	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)
FWHID3168	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)
FWHID3368	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)
FWHID4068	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)
FWHID4068	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)
FWHID5068	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)
FWHID5068	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)
FWHID5068	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)
FWHID5468	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)
FWHID5468	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)
FWHID5468	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)
FWHID6068	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)
FWHID6068	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)
FWHID6068	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)
FWHID6468	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)
FWHID6468	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)
FWHID6468	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)
FWHID71168-3	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)
FWHID71168-3	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)
FWHID81168-3	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)
FWHID81168-3	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)
FWHID9668-3	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)
FWHID9668-3	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)
FWHID21611**S****	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)
FWHID27611	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)
FWHID29611	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)
FWHID31611	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)
FWHID33611	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)
FWHID40611	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)
FWHID40611	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)
FWHID50611	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)
FWHID50611	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)
FWHID50611	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)
FWHID54611	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)
FWHID54611	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)
FWHID54611	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)
FWHID60611	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)
FWHID60611	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)
FWHID60611	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)
FWHID64611	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)
FWHID64611	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)
FWHID64611	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)
FWHID711611-3	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)
FWHID711611-3	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)
FWHID811611-3	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)
FWHID811611-3	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)
FWHID96611-3	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)
FWHID96611-3	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)
FWHID2180**S****	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)
FWHID2780	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)
FWHID2980	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)
FWHID3180	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)
FWHID3380	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)
FWHID4080	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)
FWHID4080	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)
FWHID5080	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)
FWHID5080	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.

continued on next page

*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.

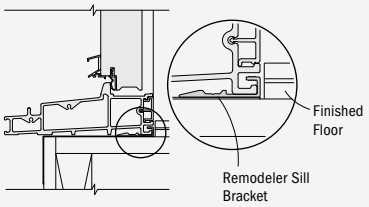
Frenchwood® Hinged Inswing Patio Door Opening and Area Specifications *(continued)*

Door Number	Number of Panels in Open Position*	Clear Opening Area Sq. Ft./(m²)	Clear Opening Maximums 90˚ Width Inches/(mm)	Full Width Inches/(mm)	Height Inches/(mm)	Glass Area Sq. Ft./(m²)	Vent Area Sq. Ft./(m²)	Overall Door Area Sq. Ft./(m²)
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.

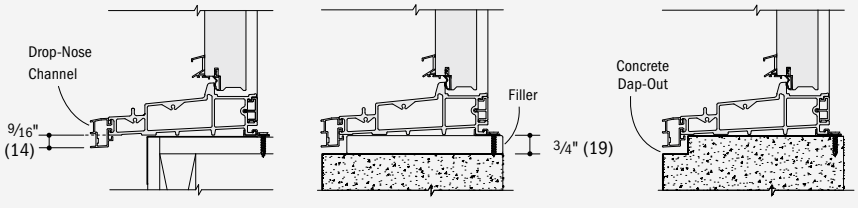
Remodeler Sill Bracket

Optional remodeler sill bracket is available for installations with an existing finished interior floor.



Drop-Nose Channel

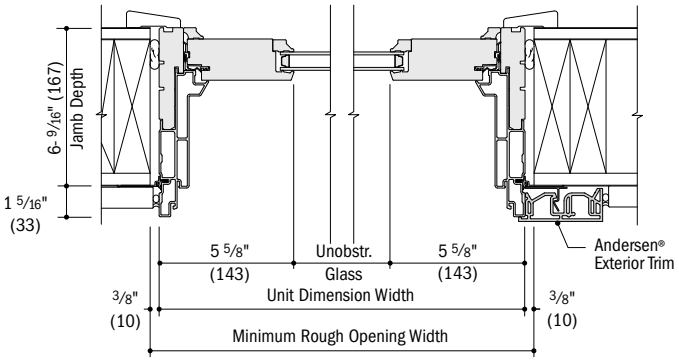
Optional drop-nose channel is available when higher product performance is required. Wood and concrete installations shown.



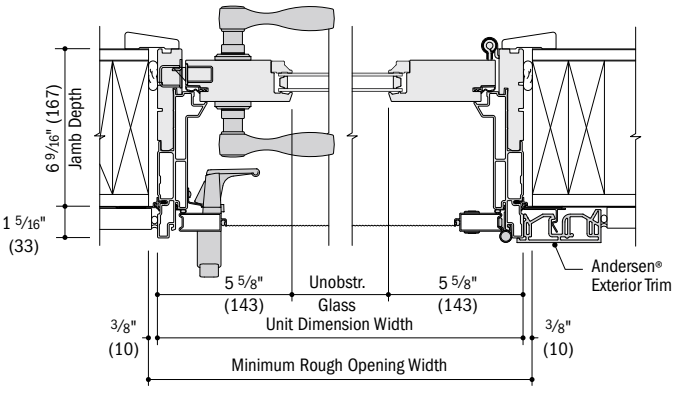
FRENCHWOOD® HINGED INSWING PATIO DOORS

Frenchwood® Hinged Inswing Patio Door Details — 6 9/16" (167) Jamb Depth

Scale 1½" (38) = 1'-0" (305) — 1:8

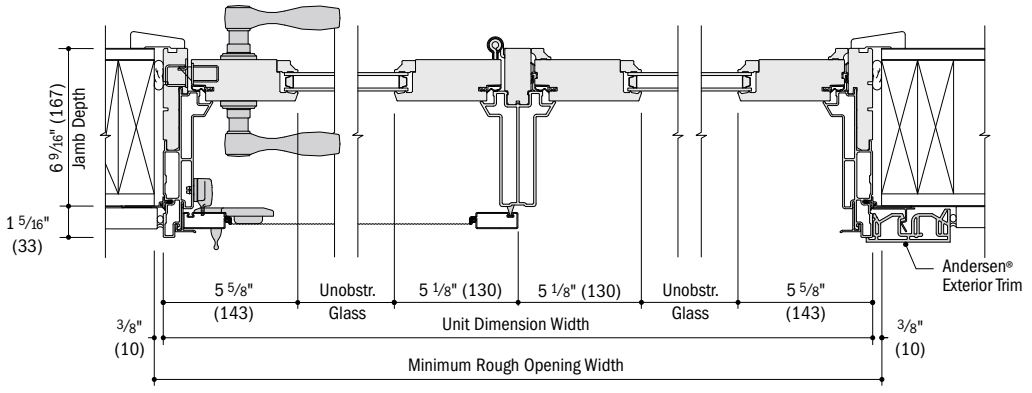


Horizontal Section — Stationary (S)



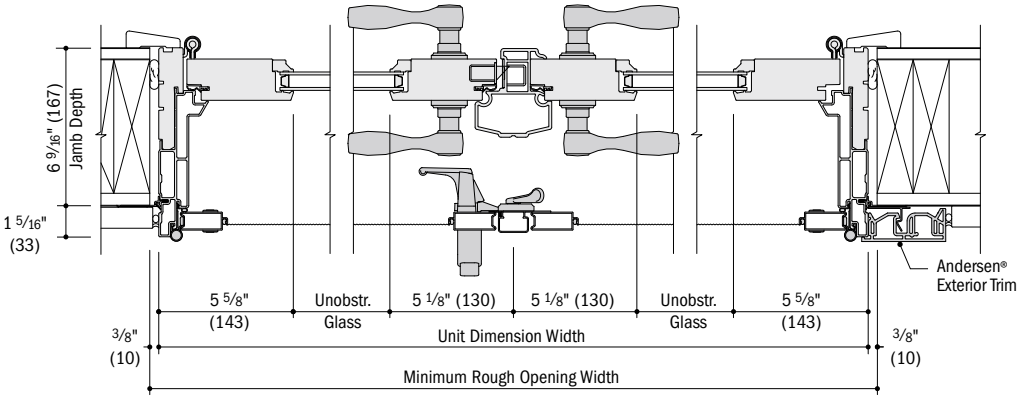
Horizontal Section — Active (AR/AL)

Hinged Insect Screen



Horizontal Section — Two-Panel Active-Stationary (ASR/ASL/SAL/SAR)

Top-Hung Gliding or Gliding Insect Screen



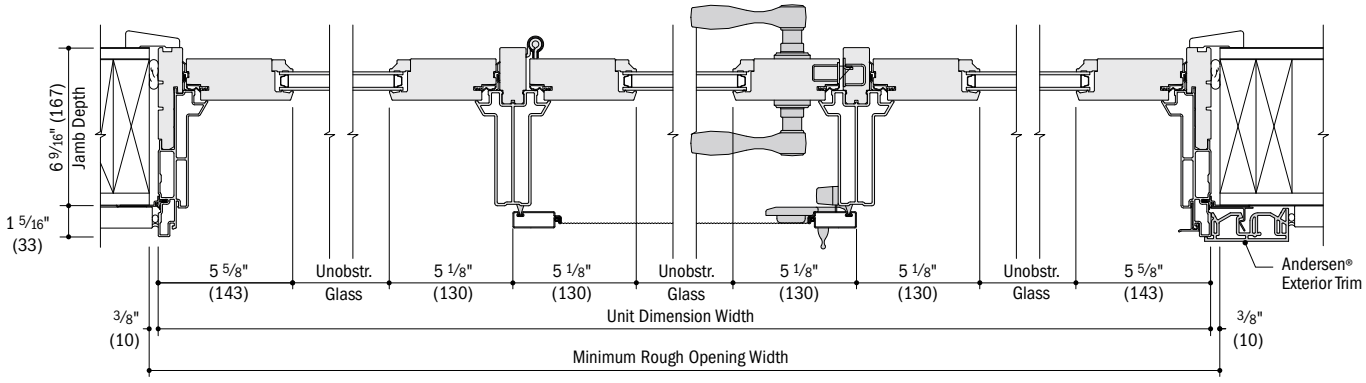
Horizontal Section — Two-Panel Active-Passive (APLR/PALR)

Hinged Insect Screen with Astragal

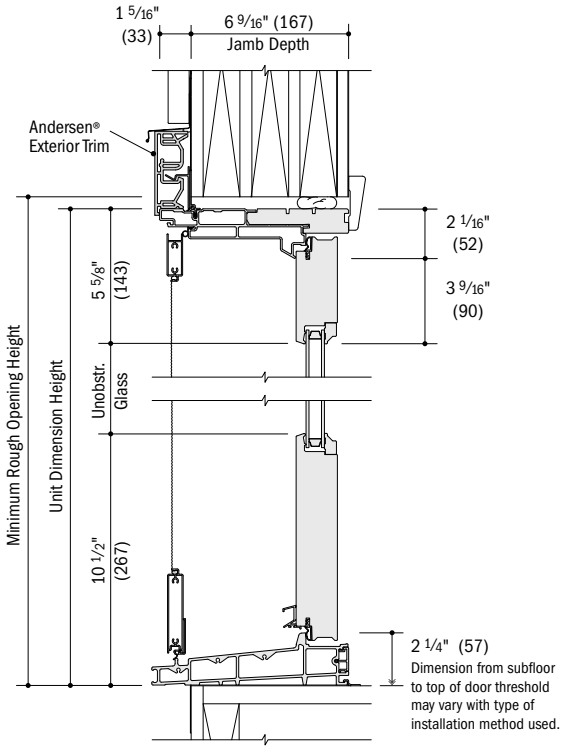
- 6 9/16" (167) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need 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

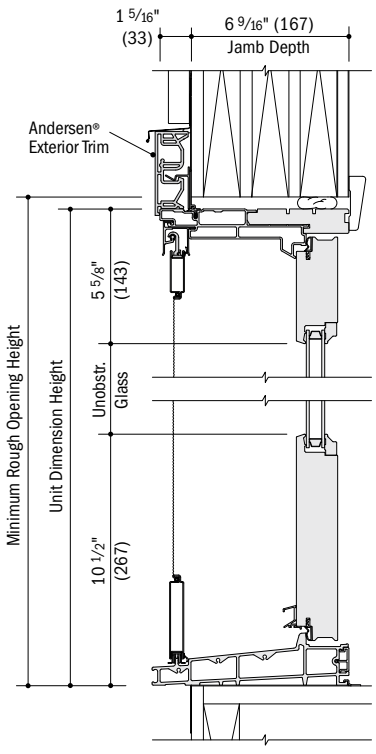
Scale 1 1/2" (38) = 1'-0" (305) — 1:8



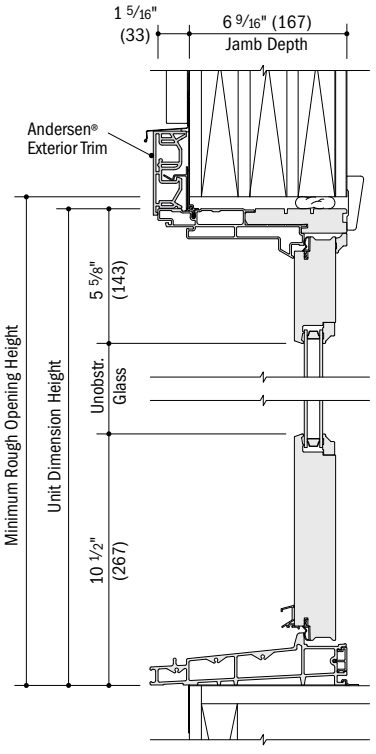
Horizontal Section – Three-Panel Stationary-Active-Stationary (**SASL**/SASR/ASSL/ASSR/SSAL/SSAR)
Top-Hung Gliding or Gliding Insect Screen



Vertical Section — Active
Hinged Insect Screen



Vertical Section — Active
Top-Hung Gliding Insect Screen



Vertical Section — Stationary

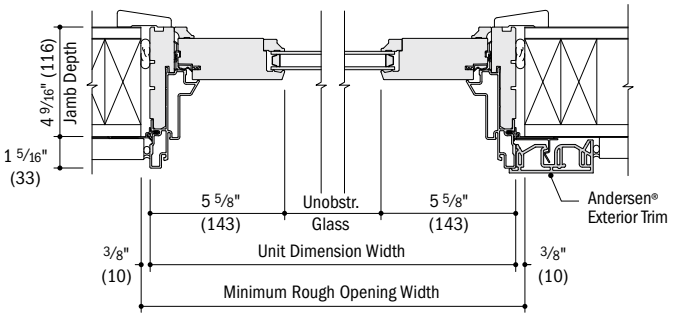
See pages 156-159 for horizontal and vertical joining details.

- 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.

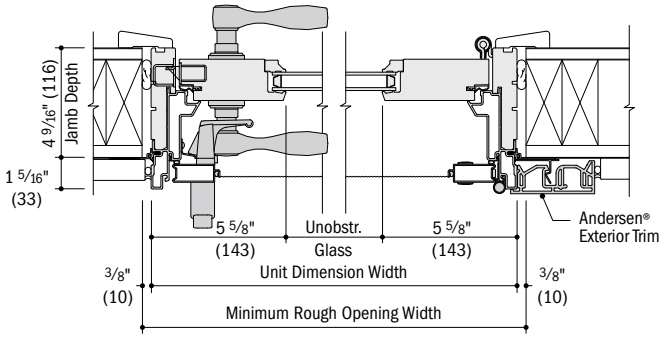
FRENCHWOOD® HINGED INSWING PATIO DOORS

Frenchwood® Hinged Inswing Patio Door Details — 4 9/16" (116) Jamb Depth

Scale 1 1/2" (38) = 1'-0" (305) — 1:8

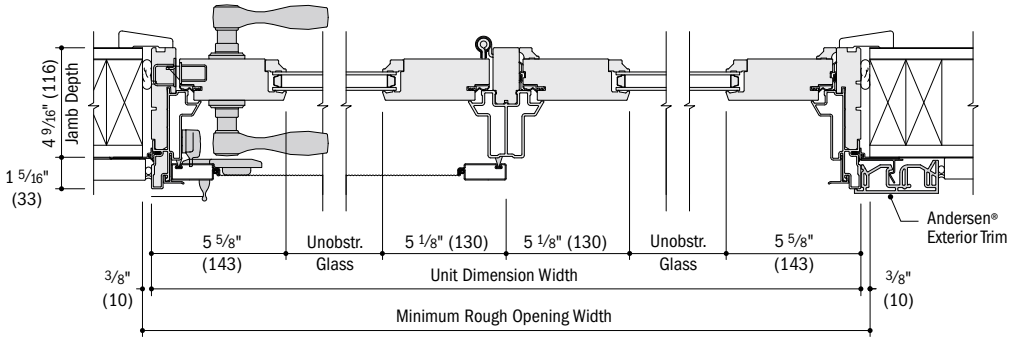


Horizontal Section — Stationary (S)



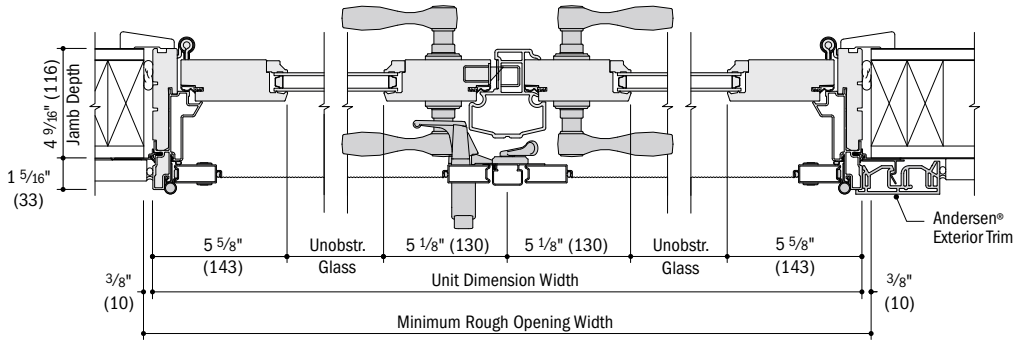
Horizontal Section — Active (AR/AL)

Hinged Insect Screen



Horizontal Section — Two-Panel Active-Stationary (ASR/ASL/SAL/SAR)

Top-Hung Gliding or Gliding Insect Screen



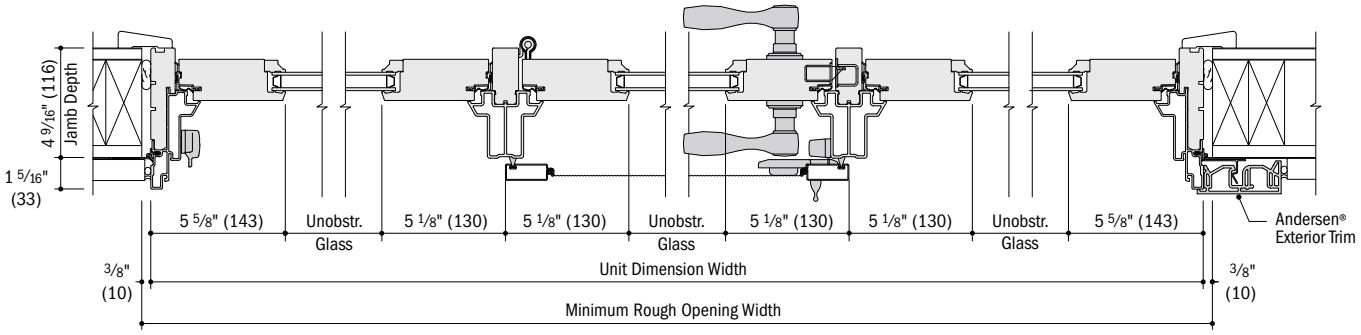
Horizontal Section — Two-Panel Active-Passive (APLR/PALR)

Hinged Insect Screen

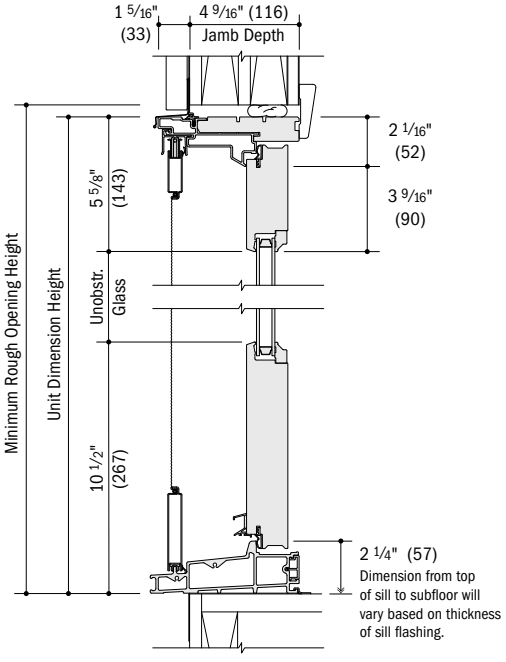
- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need 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

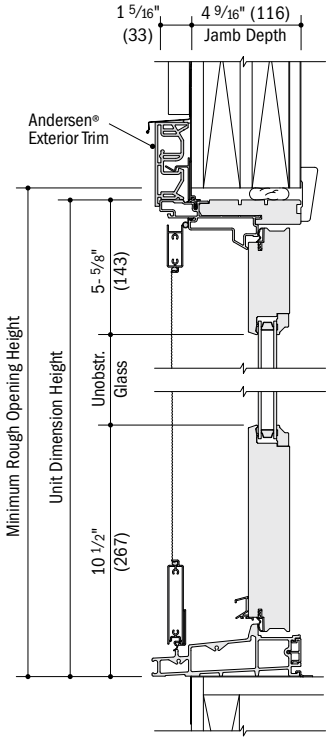
Scale 1 1/2" (38) = 1'-0" (305) — 1:8



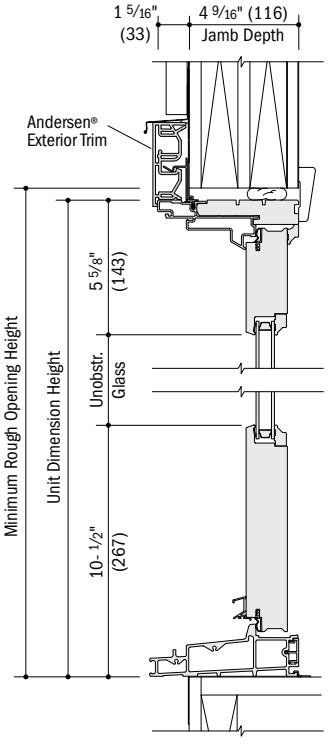
Horizontal Section – Three-Panel Stationary-Active-Stationary (**SASL**/SASR/ASSL/ASSR/SSAL/SSAR)
Top-Hung Gliding or Gliding Insect Screen



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

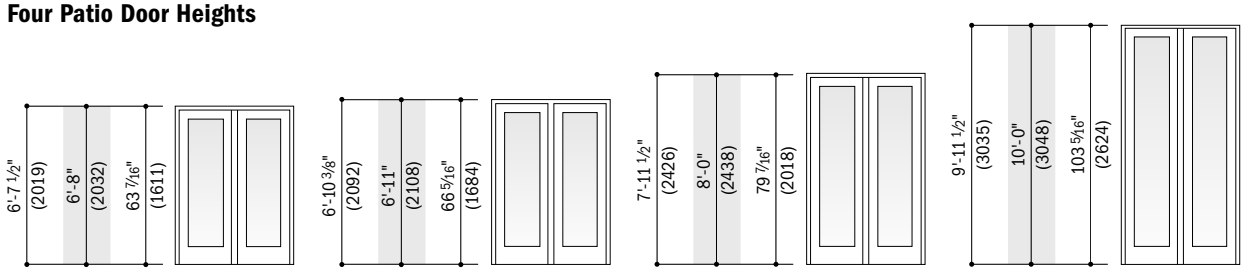


Table of Frenchwood® Hinged Outswing Patio Door Sizes

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)
Minimum Rough Opening	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								
1 FWOD	2168**S**	2168**AR**	2168**AL**	4068**APLR**/4068**PALR**	2768**S**	2768**AR**	2768**AL**	5068**APLR**/5068**PALR**
2 FWOD	21611**S**	21611**AR**	21611**AL**	40611**APLR**/40611**PALR**	27611**S**	27611**AR**	27611**AL**	50611**APLR**/50611**PALR**
3 FWOD	2180**S**	2180**AR**	2180**AL**	4080**APLR**/4080**PALR**	2780**S**	2780**AR**	2780**AL**	5080**APLR**/5080**PALR**

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)
Minimum Rough Opening	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								
1 FWOD	2968**S**	2968**AR**	2968**AL**	5468**APLR**/5468**PALR**	3168**S**	3168**AR**	3168**AL**	6068**APLR**/6068**PALR**
2 FWOD	29611**S**	29611**AR**	29611**AL**	54611**APLR**/54611**PALR**	31611**S**	31611**AR**	31611**AL**	60611**APLR**/60611**PALR**
3 FWOD	2980**S**	2980**AR**	2980**AL**	5480**APLR**/5480**PALR**	3180**S**	3180**AR**	3180**AL**	6080**APLR**/6080**PALR**

Door Dimension	3'-2 1/8" (968)	3'-2 1/8" (968)	3'-2 1/8" (968)	6'-3 1/4" (1911)
Minimum Rough Opening	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				
1 FWOD	3368**S**	3368**AR**	3368**AL**	6468**APLR**/6468**PALR**
2 FWOD	33611**S**	33611**AR**	33611**AL**	64611**APLR**/64611**PALR**
3 FWOD	3380**S**	3380**AR**	3380**AL**	6480**APLR**/6480**PALR**

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).

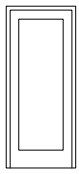
Stationary (**S**) patio doors can be used as an individual patio door or as a sidelight.

Details shown on pages 146-147. Grille patterns shown on page 146.

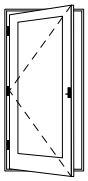
- "Window Dimension" always refers to outside frame to frame dimension.
- "**Minimum Rough Opening**" **dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.**
- Dimensions in parentheses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

Identification

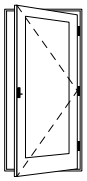
Viewed from the exterior.



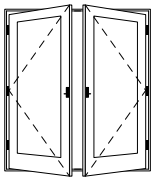
Stationary
(non-operating panel)



Left Hinged
(hinges on left)



Right Hinged
(hinges on right)

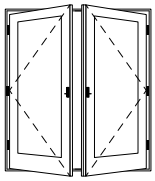


Active Panel
(operating panel used most often)

Passive Panel
(operating panel with attached astragal)

Order Designation Description

Viewed from the exterior.



FWOD 6068 A P L R

- 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 Sq. Ft./(m²)		Clear Opening Maximums: 90° Width Inches/(mm)		Clear Opening Maximums: Full Width Inches/(mm)		Clear Opening Maximums: Height Inches/(mm)		Glass Area Sq. Ft./(m²)		Vent Sq. Ft./(m²)		Overall Door Area Sq. Ft./(m²)	
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)

continued on next page

• 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.

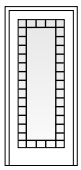
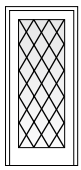
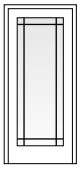
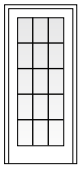
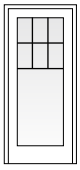
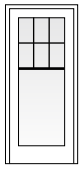
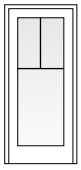
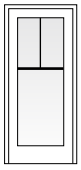
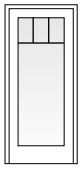
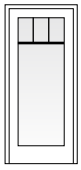
FRENCHWOOD® HINGED OUTSWING PATIO DOORS

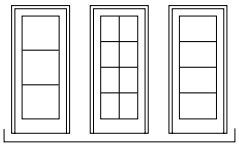
Frenchwood® Hinged Outswing Patio Door Opening and Area Specifications *(continued)*

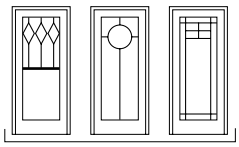
Door Number	Number of Panels in Open Position*	Clear Opening Sq. Ft./(m²)	Clear Opening Maximums: 90° Width Inches/(mm)	Clear Opening Maximums: Full Width Inches/(mm)	Clear Opening Maximums: Height Inches/(mm)	Glass Area Sq. Ft./(m²)	Vent Sq. Ft./(m²)	Overall Door Area Sq. Ft./(m²)
FWOD21100	1	16.73 (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

	Queen Anne	Diamond	Prairie A	Colonial	Modified Colonial	Modified Colonial SCR (Simulated Check Rail)	Tall Fractional	Tall Fractional SCR (Simulated Check Rail)	Short Fractional	Short Fractional SCR (Simulated Check Rail)
Frenchwood® Gliding, Hinged Inswing & Outswing										

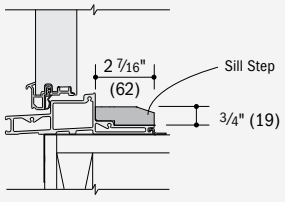

Specified Equal Light Examples


Custom Pattern Examples

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**.

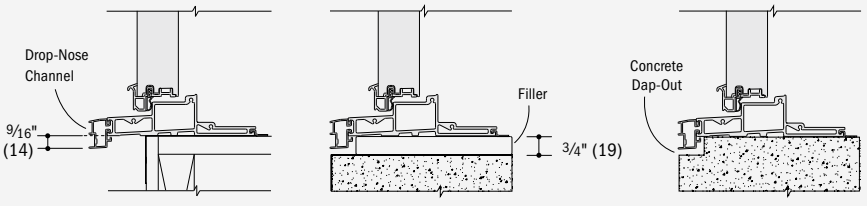
Sill Step

Optional sill step is available in oak or maple.



Drop-Nose Channel

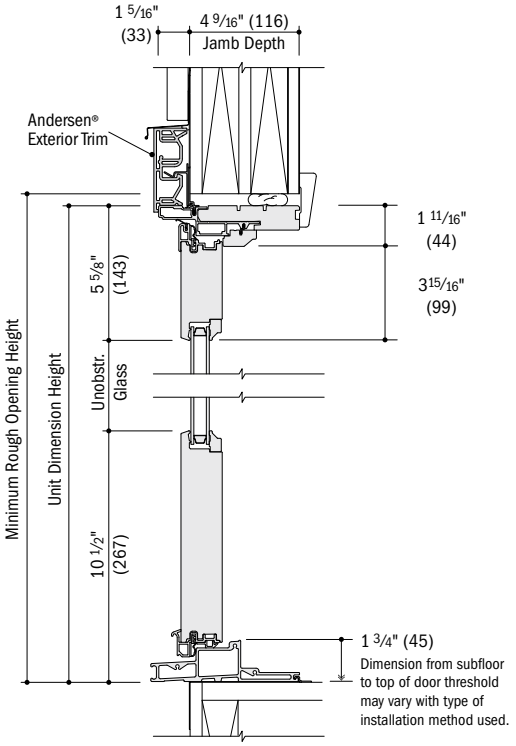
Optional drop-nose channel is available when higher product performance is required. Wood and concrete installations shown.



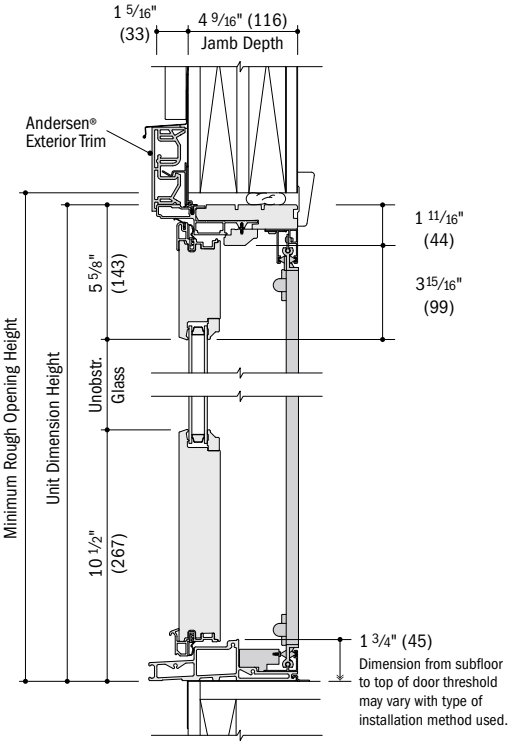
• Dimensions in parentheses are in millimeters.
• Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

Frenchwood® Hinged Outswing Patio Door Details

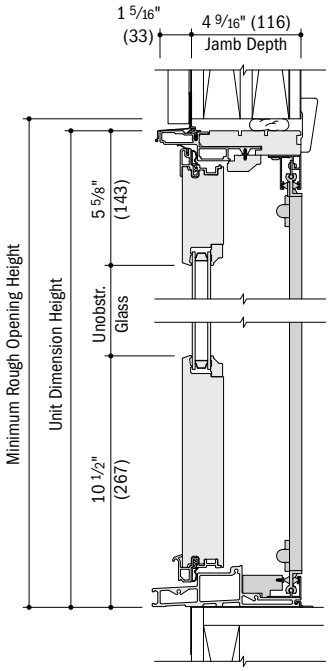
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



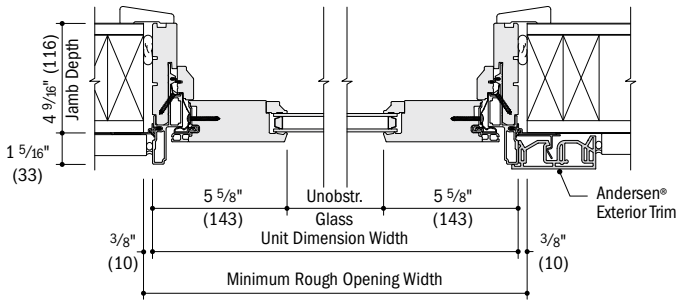
Vertical Section – Stationary



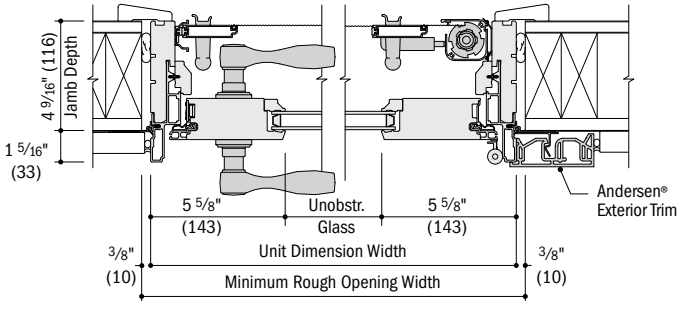
Vertical Section – Active
Retractable Insect Screen



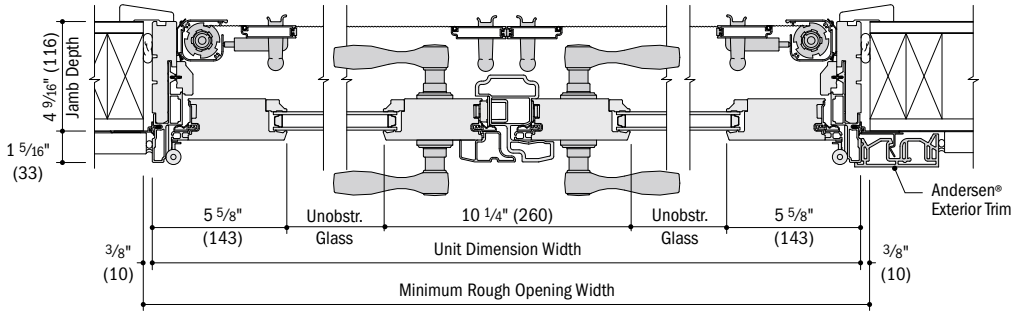
Vertical Section – Active
Retractable Insect Screen



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 ⅛" (3) = 1'-0" (305) — 1:96

Transom/Sidelight Dimension	1'-2¼" (362)	1'-6¼" (464)	2'-0⅛" (612)	2'-6⅛" (765)	2'-8⅛" (816)	3'-0⅛" (918)	3'-2⅛" (968)	3'-11¼" (1200)	4'-11¼" (1505)	5'-3¼" (1607)
Minimum Rough Opening	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)

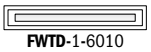
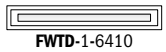
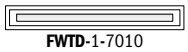
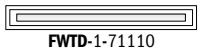
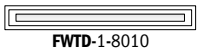
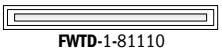
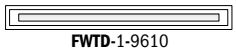
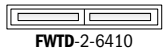
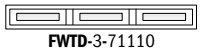
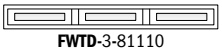
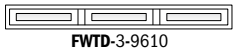
CUSTOM SIZES AVAILABLE — Varies based on transom style.

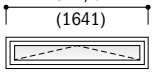
CUSTOM SIZES AVAILABLE — Varies based on transom style.

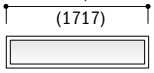
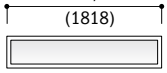
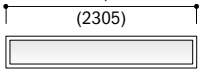
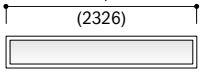
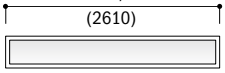
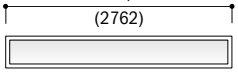
Unobstructed Glass	6 3/8" (163)	10 3/8" (264)	12 7/8" (327)	18 7/8" (479)	20 7/8" (530)	24 7/8" (632)	26 7/8" (683)	36" (915)	48" (1220)	52" (1322)
11 1/4" (286) 1'-0" (305) 3 3/8" (87)	**FWSLTD**-1-1310	**FWSLTD**-1-1710	**FWTD**-1-2110	**FWTD**-1-2710	**FWTD**-1-2910	**FWTD**-1-3110	**FWTD**-1-3310	**FWTD**-1-4010	**FWTD**-1-5010	**FWTD**-1-5410
								12 7/8" (327)	18 7/8" (479)	20 7/8" (530)
								FWTD-2-4010	**FWTD**-2-5010	**FWTD**-2-5410
11 1/4" (286) 1'-0" (305) 3 3/8" (87)										
11 1/4" (286) 1'-0" (305) 7 5/8" (193)	10 5/8" (269)	14 5/8" (371)	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)
	FWSTDS1310	**FWSTDS**1710	**FWTDS**2110	**FWTDS**2710	**FWTDS**2910	**FWTDS**3110	**FWTDS**3310	**FWTDS**4010	**FWTDS**5010	**FWTDS**5410
1'-3 1/4" (387) 1'-4" (406) 7 3/8" (188)	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)
	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
								12 7/8" (327)	18 7/8" (479)	20 7/8" (530)
								FWTD-2-4014	**FWTD**-2-5014	**FWTD**-2-5414
1'-3 1/4" (387) 1'-4" (406) 7 3/8" (188)										
1'-3 1/4" (387) 1'-4" (406) 8 5/8" (219)			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)
			ATV2114	**ATV**2714	**ATV**2914	**ATV**3114	**ATV**3314	**ATV**4014	**ATV**5014	**ATV**5414
1'-3 1/4" (387) 1'-4" (406) 11 5/8" (294)	10 5/8" (269)	14 5/8" (371)	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)
	FWSTDS1314	**FWSTDS**1714	**FWTDS**2114	**FWTDS**2714	**FWTDS**2914	**FWTDS**3114	**FWTDS**3314	**FWTDS**4014	**FWTDS**5014	**FWTDS**5414
1'-7 1/4" (489) 1'-8" (508) 11 3/8" (290)	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)
	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
								12 7/8" (327)	18 7/8" (479)	20 7/8" (530)
								FWTD-2-4018	**FWTD**-2-5018	**FWTD**-2-5418
1'-7 1/4" (489) 1'-8" (508) 11 3/8" (290)										
1'-7 1/4" (489) 1'-8" (508) 12 5/8" (321)			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)
			ATV2118	**ATV**2718	**ATV**2918	**ATV**3118	**ATV**3318	**ATV**4018	**ATV**5018	**ATV**5418
1'-7 1/4" (489) 1'-8" (305) 15 5/8" (396)	10 5/8" (269)	14 5/8" (371)	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)
	FWSTDS1318	**FWSTDS**1718	**FWTDS**2118	**FWTDS**2718	**FWTDS**2918	**FWTDS**3118	**FWTDS**3318	**FWTDS**4018	**FWTDS**5018	**FWTDS**5418
1'-11 1/4" (591) 2'-0" (610) 15 3/8" (391)	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)
	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
								12 7/8" (327)	18 7/8" (479)	20 7/8" (530)
								FWTD-2-4020	**FWTD**-2-5020	**FWTD**-2-5420
1'-11 1/4" (591) 2'-0" (610) 15 3/8" (391)										

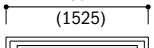
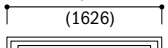
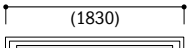
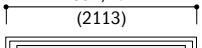
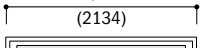
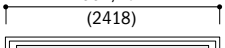
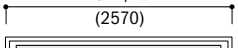
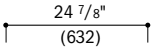
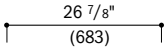
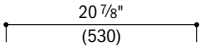
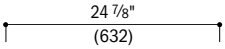
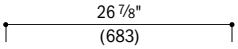
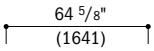
Notes on page 150 also apply to this page. Patio door sidelight and transom sizes on pages 148-152.

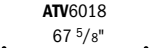
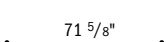
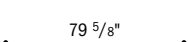
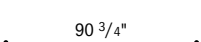
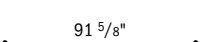
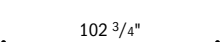
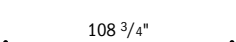
5'-11 1/4" (1810)	6'-3 1/4" (1911)	6'-11 1/4" (2114)	7'-10 7/16" (2398)	7'-11 1/4" (2419)	8'-10 7/16" (2703)	9'-4 7/16" (2856)
6'-0" (1829)	6'-4" (1930)	7'-0" (2133)	7'-11" (2413)	8'-0" (2438)	8'-11" (2717)	9'-6" (2896)

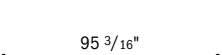
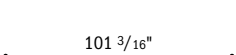
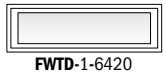
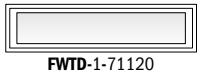
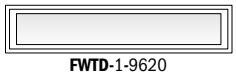
60" (1525)	64" (1626)	72" (1830)	83 3/16" (2113)	84" (2134)	95 3/16" (2418)	101 3/16" (2570)
						
FWTD-1-6010	**FWTD**-1-6410	**FWTD**-1-7010	**FWTD**-1-71110	**FWTD**-1-8010	**FWTD**-1-81110	**FWTD**-1-9610
24 7/8" (632)	26 7/8" (683)		20 7/8" (530)		24 7/8" (632)	26 7/8" (683)
						
FWTD-2-6010	**FWTD**-2-6410		**FWTD**-3-71110		**FWTD**-3-81110	**FWTD**-3-9610
67 5/8" (1717)	71 5/8" (1818)	79 5/8" (2022)	90 3/4" (2305)	91 5/8" (2326)	102 3/4" (2610)	108 3/4" (2762)
						
FWTDS6010	**FWTDS**6410	**FWTDS**7010	**FWTDS**71110	**FWTDS**8010	**FWTDS**81110	**FWTDS**9610

60" (1525)	64" (1626)	72" (1830)	83 3/16" (2113)	84" (2134)	95 3/16" (2418)	101 3/16" (2570)
						
FWTD-1-6014	**FWTD**-1-6414	**FWTD**-1-7014	**FWTD**-1-71114	**FWTD**-1-8014	**FWTD**-1-81114	**FWTD**-1-9614
24 7/8" (632)	26 7/8" (683)		20 7/8" (530)		24 7/8" (632)	26 7/8" (683)
						
FWTD-2-6014	**FWTD**-2-6414		**FWTD**-3-71114		**FWTD**-3-81114	**FWTD**-3-9614
64 5/8" (1641)						
						
ATV6014						

67 5/8" (1717)	71 5/8" (1818)	79 5/8" (2022)	90 3/4" (2305)	91 5/8" (2326)	102 3/4" (2610)	108 3/4" (2762)
						
FWTDS6014	**FWTDS**6414	**FWTDS**7014	**FWTDS**71114	**FWTDS**8014	**FWTDS**81114	**FWTDS**9614

60" (1525)	64" (1626)	72" (1830)	83 3/16" (2113)	84" (2134)	95 3/16" (2418)	101 3/16" (2570)
						
FWTD-1-6018	**FWTD**-1-6418	**FWTD**-1-7018	**FWTD**-1-71118	**FWTD**-1-8018	**FWTD**-1-81118	**FWTD**-1-9618
24 7/8" (632)	26 7/8" (683)		20 7/8" (530)		24 7/8" (632)	26 7/8" (683)
						
FWTD-2-6018	**FWTD**-2-6418		**FWTD**-3-71118		**FWTD**-3-81118	**FWTD**-3-9618
64 5/8" (1641)						
						
ATV6018						

67 5/8" (1717)	71 5/8" (1818)	79 5/8" (2022)	90 3/4" (2305)	91 5/8" (2326)	102 3/4" (2610)	108 3/4" (2762)
						
FWTDS6018	**FWTDS**6418	**FWTDS**7018	**FWTDS**71118	**FWTDS**8018	**FWTDS**81118	**FWTDS**9618

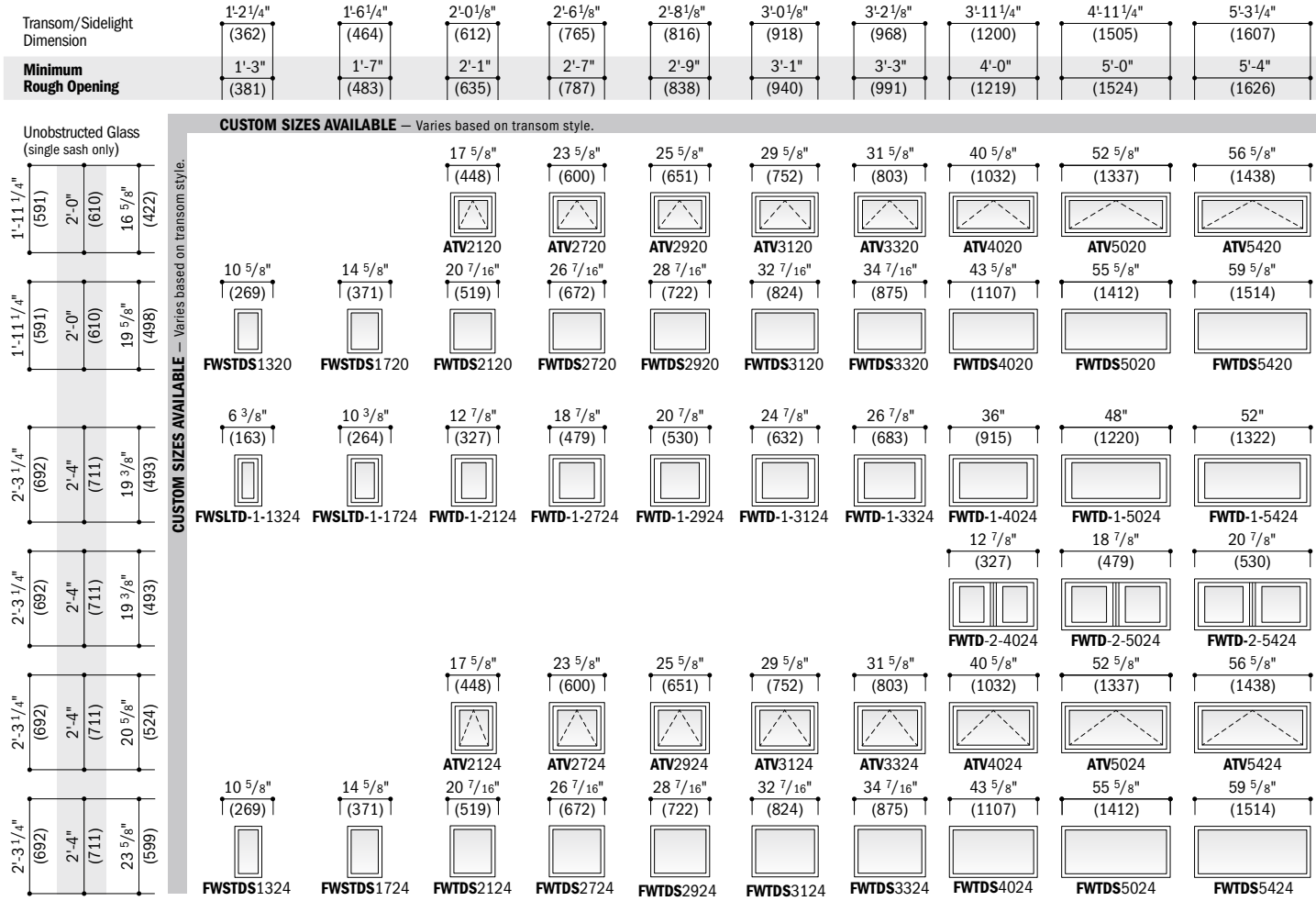
60" (1525)	64" (1626)	72" (1830)	83 3/16" (2113)	84" (2134)	95 3/16" (2418)	101 3/16" (2570)
						
FWTD-1-6020	**FWTD**-1-6420	**FWTD**-1-7020	**FWTD**-1-71120	**FWTD**-1-8020	**FWTD**-1-81120	**FWTD**-1-9620
24 7/8" (632)	26 7/8" (683)		20 7/8" (530)		24 7/8" (632)	26 7/8" (683)
						
FWTD-2-6020	**FWTD**-2-6420		**FWTD**-3-71120		**FWTD**-3-81120	**FWTD**-3-9620

continued on next page

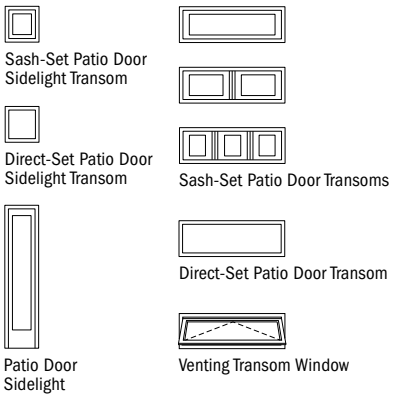
FRENCHWOOD® PATIO DOOR SIDELIGHTS & TRANSOMS

Table of Frenchwood® Patio Door Sidelight Transoms, Transoms & Venting Transom Window Sizes *(continued)*

Scale 1/8" (3) = 1'-0" (305) — 1:96



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.



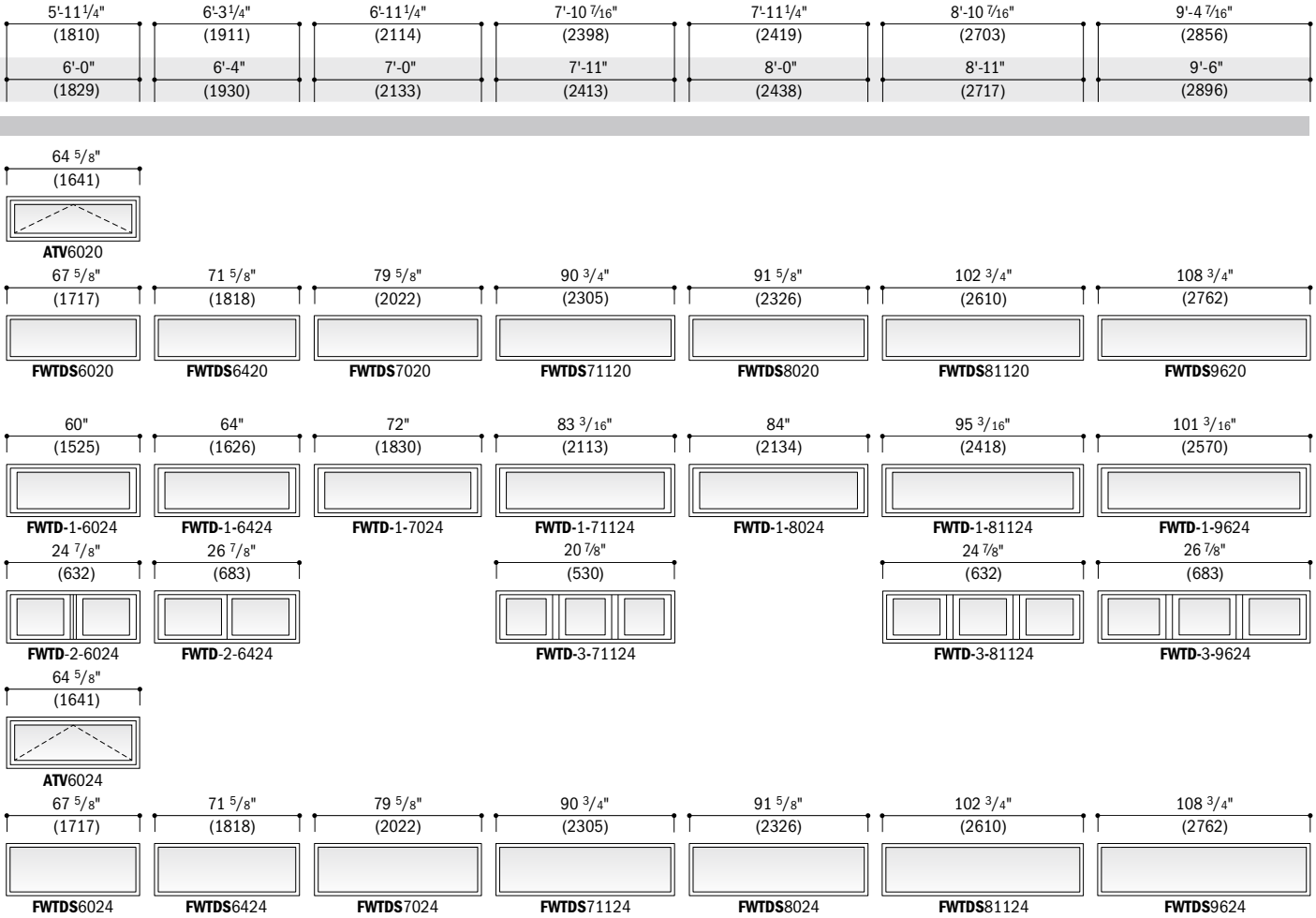
Choose patio door sash-set sidelight transom (**FWSLTD**), direct-set sidelight transom (**FWSTDS**), sash-set transom (**FWTD**-1, **FWTD**-2, **FWTD**-3), direct-set transom (**FWTDS**), venting transom window (**ATV**) or patio door sidelights (shown on page 152).

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.



Direct-Set Frenchwood® Patio Door Sidelight Transom & Transom Area Specifications

Transom Number	Glass Area Sq. Ft./(m²)		Overall Transom Area Sq. Ft./(m²)	
FWSTDS1310	0.56	(0.05)	1.11	(0.10)
FWSTDS1314	0.85	(0.08)	1.51	(0.14)
FWSTDS1318	1.15	(0.11)	1.90	(0.18)
FWSTDS1320	1.44	(0.13)	2.30	(0.21)
FWSTDS1324	1.74	(0.16)	2.70	(0.25)
FWSTDS1710	0.77	(0.07)	1.43	(0.13)
FWSTDS1714	1.18	(0.11)	1.93	(0.18)
FWSTDS1718	1.58	(0.15)	2.44	(0.23)
FWSTDS1720	1.99	(0.18)	2.95	(0.27)
FWSTDS1724	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./(m²)		Overall Transom Area Sq. Ft./(m²)	
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./(m²)		Overall Transom Area Sq. Ft./(m²)	
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)

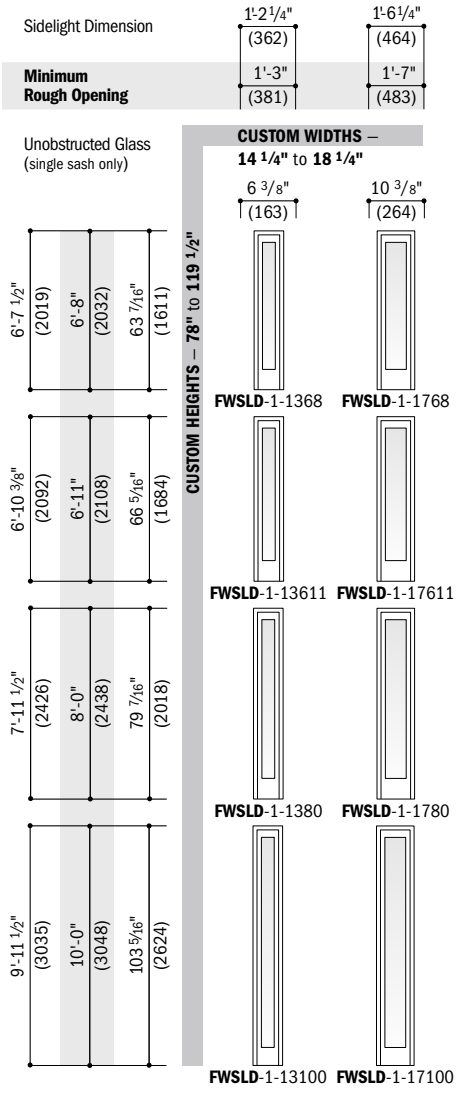
• Dimensions in parentheses are in square meters.

continued on next page

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.

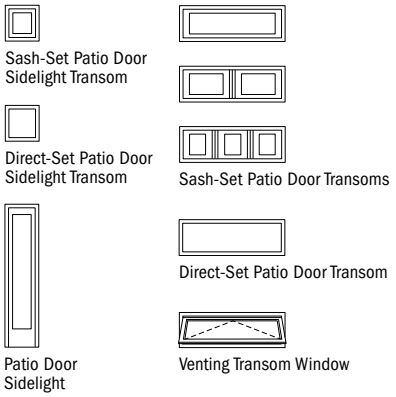
Custom-size patio door sidelights, are available in 1/8" (3) increments. See pages 160-162 for custom sizes and specifications.

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.



Direct-Set Frenchwood® Patio Door Sidelight Transom & Transom Area Specifications *(continued)*

Transom Number	Glass Area Sq. Ft./(m²)		Overall Transom Area Sq. Ft./(m²)	
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)
FWTDS71124	14.87	(1.38)	17.87	(1.66)
FWTDS8010	4.83	(0.45)	7.44	(0.69)
FWTDS8014	7.37	(0.68)	10.09	(0.94)
FWTDS8018	9.92	(0.92)	12.73	(1.18)
FWTDS8020	12.46	(1.16)	15.38	(1.43)
FWTDS8024	15.01	(1.39)	18.02	(1.67)
FWTDS81110	5.42	(0.50)	8.31	(0.77)
FWTDS81114	8.27	(0.77)	11.27	(1.05)
FWTDS81118	11.13	(1.03)	14.22	(1.32)
FWTDS81120	13.98	(1.30)	17.18	(1.60)
FWTDS81124	16.84	(1.56)	20.14	(1.87)
FWTDS9610	5.74	(0.53)	8.78	(0.82)
FWTDS9614	8.76	(0.81)	11.90	(1.11)
FWTDS9618	11.78	(1.09)	15.03	(1.40)
FWTDS9620	14.80	(1.37)	18.15	(1.69)
FWTDS9624	17.82	(1.66)	21.27	(1.98)

Frenchwood® Patio Door Sidelight Area Specifications

Transom/Sidelight Number	Glass Area Sq. Ft./(m²)		Overall Sidelight Area Sq. Ft./(m²)	
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.

Sash-Set Frenchwood® Patio Door Sidelight Transom & Transom Area Specifications

Transom Number	Glass Area Sq. Ft./(m²)		Overall Transom Area Sq. Ft./(m²)	
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)

continued on next page

Sash-Set Frenchwood® Patio Door Sidelight Transom & Transom Area Specifications *(continued)*

Transom Number	Glass Area Sq. Ft./(m²)		Overall Transom Area Sq. Ft./(m²)	
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)
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)
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 Sq. Ft./(m²)		Clear Opening in Full Open Position: Width Inches/(mm)		Clear Opening in Full Open Position: Depth Inches/(mm)		Glass Area Sq. Ft./(m²)		Vent Sq. Ft./(m²)		Top of Subfloor to Top of Inside Sill Stop Inches/(mm)		Overall Window Area Sq. Ft./(m²)	
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)

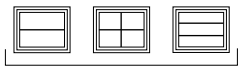
• "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
• Dimensions in parentheses are in millimeters or square meters.

FRENCHWOOD® PATIO DOOR SIDELIGHTS & TRANSOMS

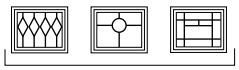
Grille Patterns

	Diamond	Prairie A	Colonial
Frenchwood® Patio Door Transoms			
Frenchwood® Patio Door Sidelights			

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**.



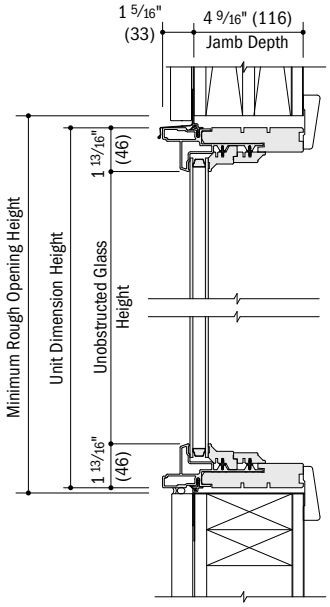
Specified Equal Light Examples



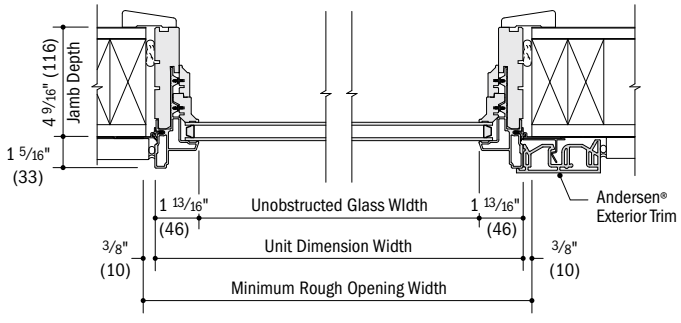
Custom Pattern Examples

Direct-Set Frenchwood® Patio Door Sidelight Transom and Transom Details

Scale 1½" (38) = 1'-0" (305) – 1:8



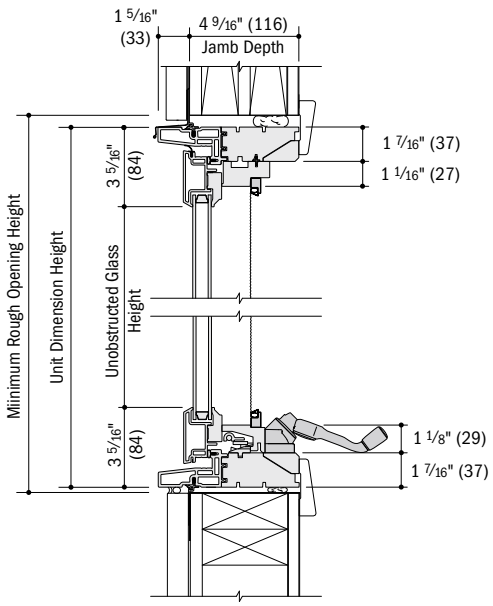
Vertical Section



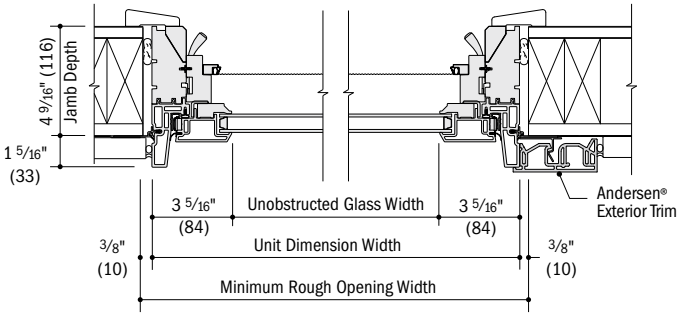
Horizontal Section

Venting Transom Window Details

Scale 1½" (38) = 1'-0" (305) – 1:8



Vertical Section

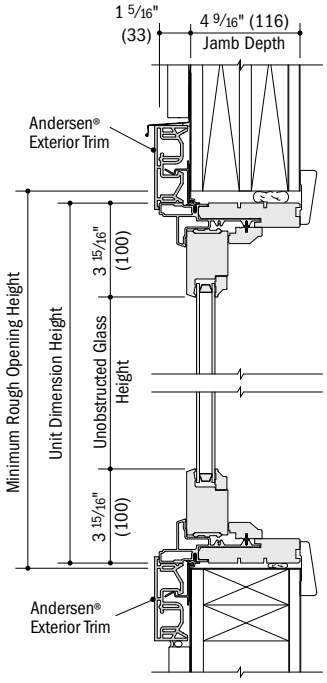


Horizontal Section

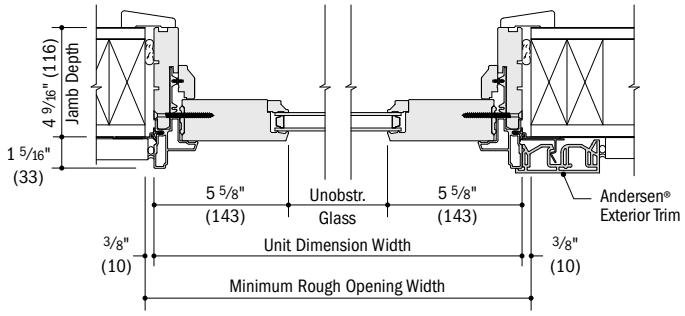
- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may 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.

Sash-Set Frenchwood® Patio Door Sidelight, Sidelight Transom and Transom Details

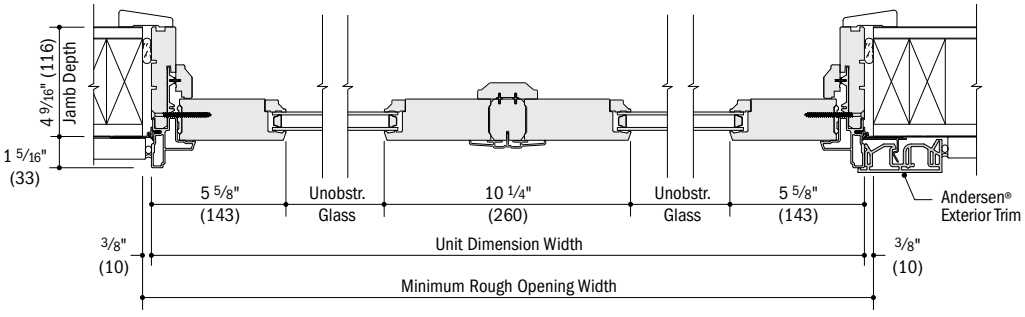
Scale 1½" (38) = 1'-0" (305) – 1:8



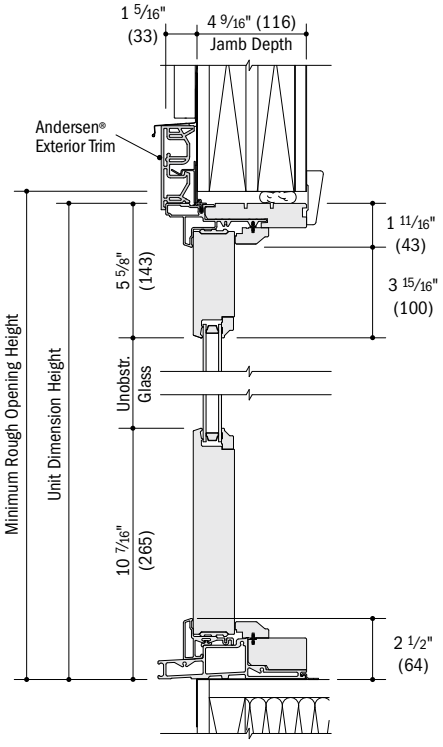
Vertical Section
Sidelight Transom and Transom



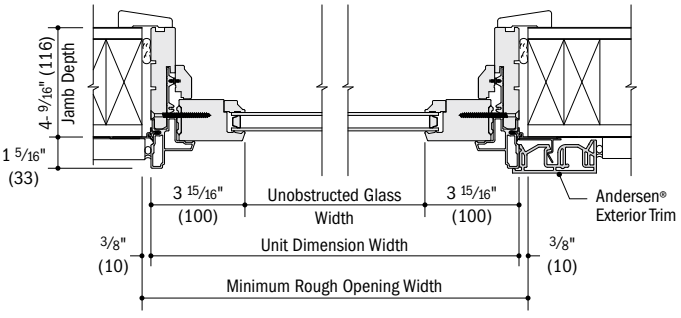
Horizontal Section
Transom



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.

Vertical (ribbon) 4 9/16" (116) and 6 9/16" (167) LVL Joining Details

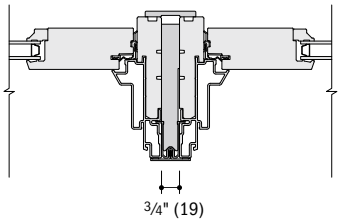
Scale 1½" (38) = 1'-0" (305) – 1:8

Frenchwood® Hinged Inswing Patio Doors

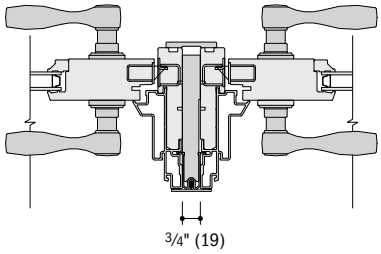
Overall "Door to Door" or "Door to Sidelight" Dimension Width Sum of individual "door to door" or "door to sidelight" widths plus ¾" (19).

Overall Minimum Rough Opening Width Overall dimension width plus ¾" (19).

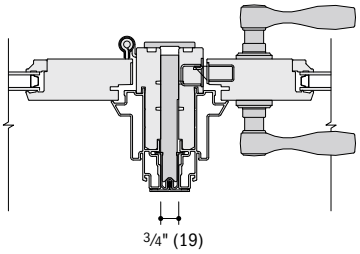
Do not join inswing or outswing doors hinge jamb to hinge jamb.



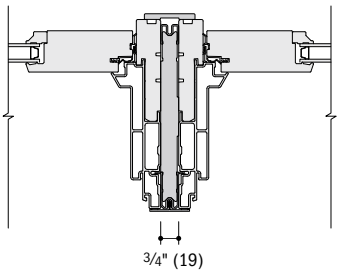
Stationary Jamb to Stationary Jamb
4 9/16" (116) Jamb Depth



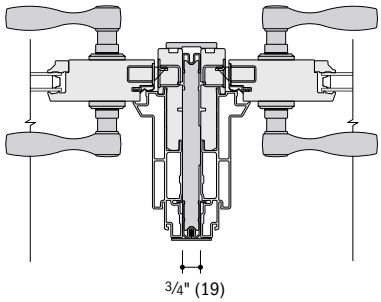
Latch Jamb to Latch Jamb
4 9/16" (116) Jamb Depth



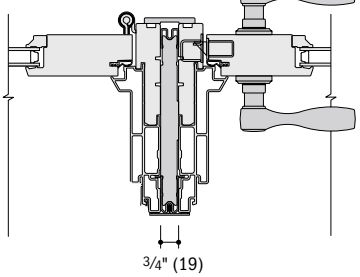
Hinge Jamb to Latch Jamb
4 9/16" (116) Jamb Depth



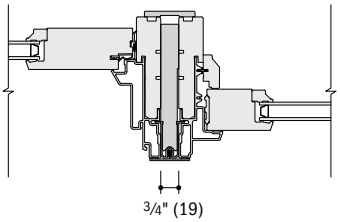
Stationary Jamb to Stationary Jamb
6 9/16" (167) Jamb Depth



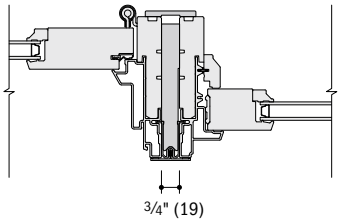
Latch Jamb to Latch Jamb
6 9/16" (167) Jamb Depth



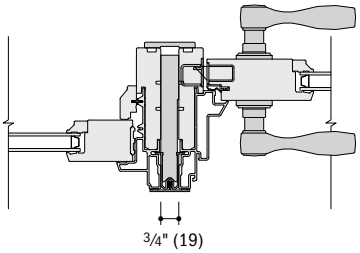
Hinge Jamb to Latch Jamb
6 9/16" (167) Jamb Depth



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

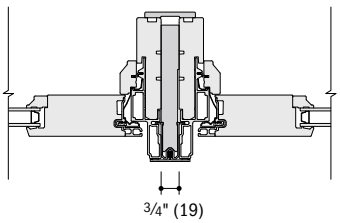
For more joining information, see the combination designs section starting on page 206.

Frenchwood® Hinged Outswing Patio Doors

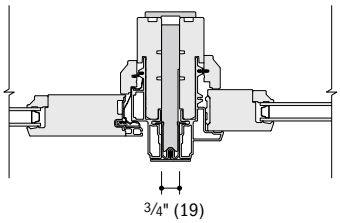
Overall "Door to Door" or "Door to Sidelight" Dimension Width Sum of individual "door to door" or "door to sidelight" widths plus ¾" (19).

Overall Minimum Rough Opening Width Overall dimension width plus ¾" (19).

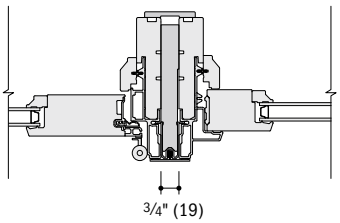
Do not join inswing or outswing doors hinge jamb to hinge jamb.



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.

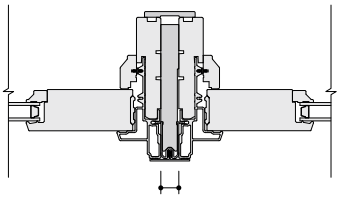
Vertical (ribbon) 4 9/16" (116) LVL Joining Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

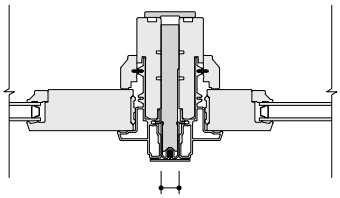
Frenchwood® Gliding Patio Doors

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).

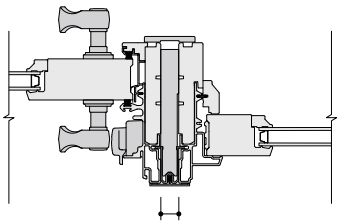
Overall Minimum Rough Opening Width Overall dimension width plus 3/4" (19).



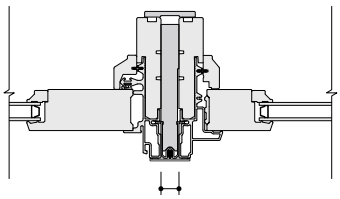
Stationary Door to Stationary Door



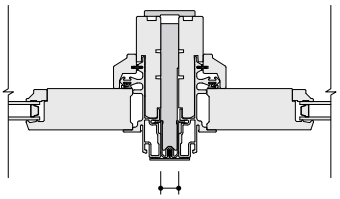
Stationary Door to Sidelight



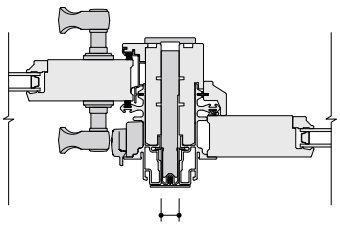
Operating Jamb to Sidelight



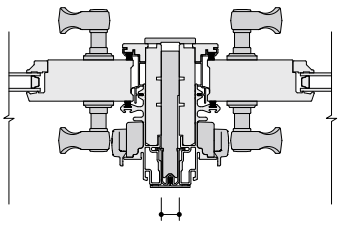
Stationary Jamb to Sidelight



Stationary Jamb to Stationary Jamb



Operating Jamb to Stationary Jamb

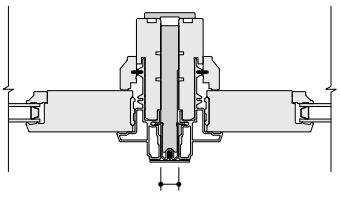


Operating Jamb to Operating Jamb

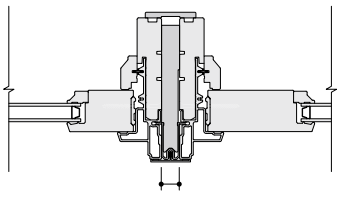
Frenchwood® Patio Door Sidelights, Sidelight Transoms, Transoms and Venting Transom Windows

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).

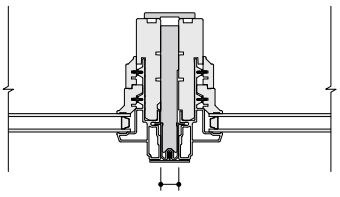
Overall Minimum Rough Opening Width Overall dimension width plus 3/4" (19).



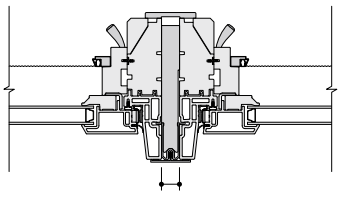
Sash-Set Transom to Sash-Set Transom



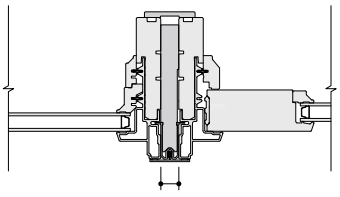
Sash-Set Sidelight Transom to Sash-Set Transom



Direct-Set Transom to Direct-Set Transom



Venting Transom to Venting Transom



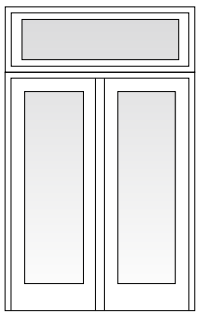
Direct-Set Sidelight Transom to Sash-Set Transom

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

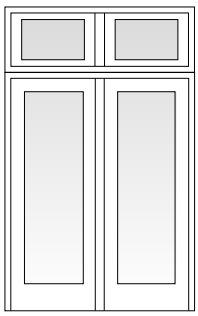
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 236-237.**
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FRENCHWOOD® PATIO DOORS

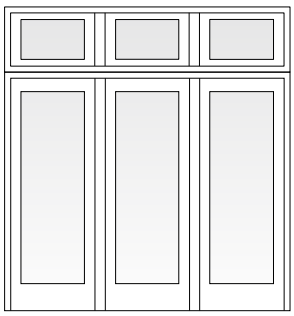
Transom Options



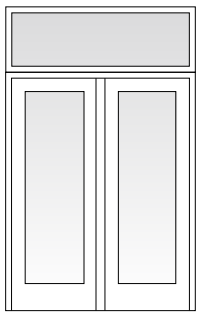
Sash-Set Frenchwood® Patio Door Transom



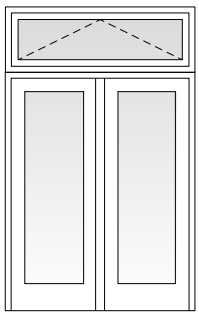
Sash-Set Frenchwood® Patio Door Twin Transom



Sash-Set Frenchwood® Patio Door Triple Transom



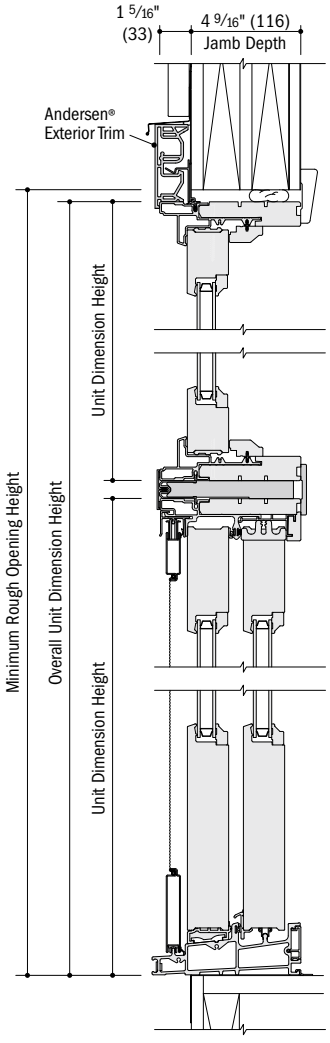
Direct-Set Frenchwood® Patio Door Transom



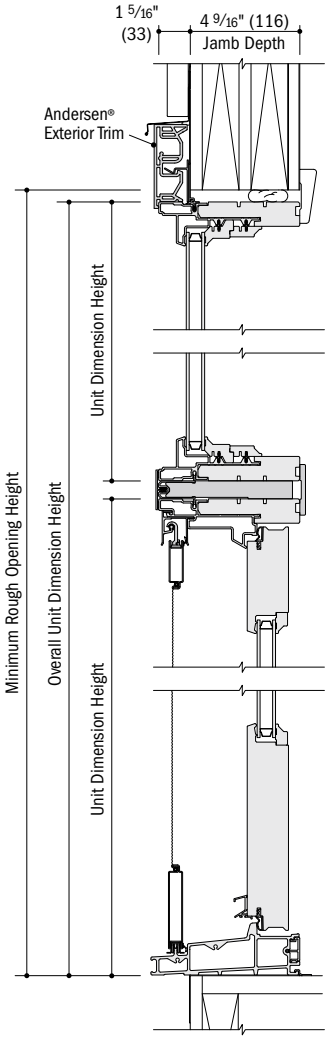
Venting Transom Window

Horizontal (stack) 4 9/16" (116) LVL Joining Details

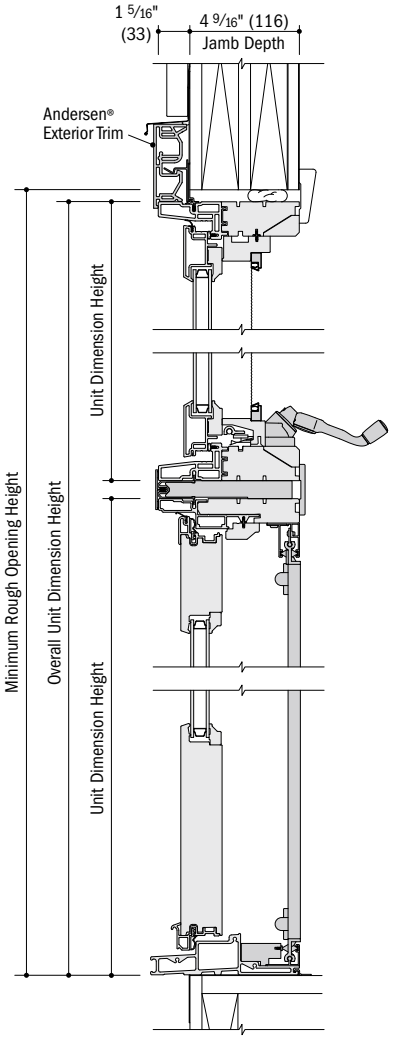
Scale 1½" (38) = 1'-0" (305) – 1:8



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

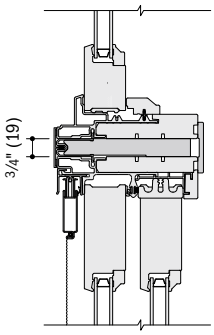
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, 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

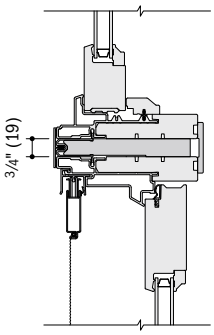
Scale 1½" (38) = 1'-0" (305) – 1:8

Overall "Transom over Door" or "Transom over Sidelight" Dimension Height Sum of individual "transom over door" or "transom over sidelight" heights plus ¾" (19).

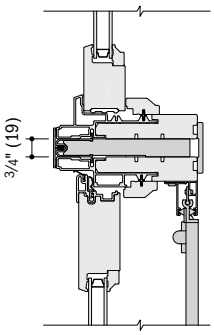
Overall Minimum Rough Opening Height Overall dimension height plus ½" (13).



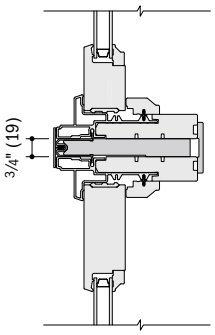
Sash-Set
Frenchwood® Patio Door Transom over Frenchwood® Gliding Patio Door



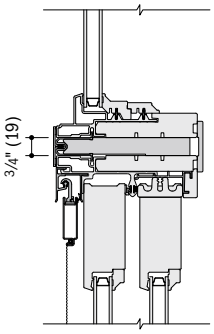
Sash-Set
Frenchwood® Patio Door Transom over Frenchwood® Hinged Inswing Patio Door



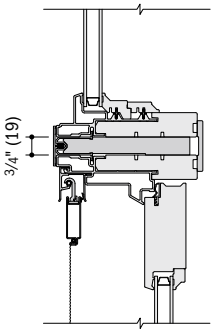
Sash-Set
Frenchwood® Patio Door Transom over Frenchwood® Hinged Outswing Patio Door



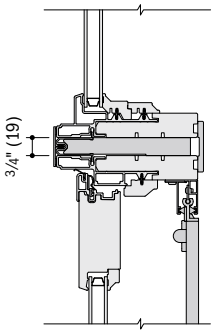
Sash-Set
Frenchwood® Patio Door Sidelight Transom over Frenchwood® Patio Door Sidelight



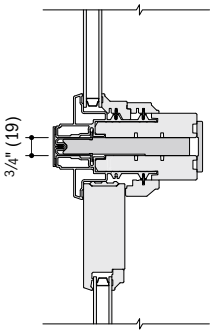
Direct-Set
Frenchwood® Patio Door Transom over Frenchwood® Gliding Patio Door



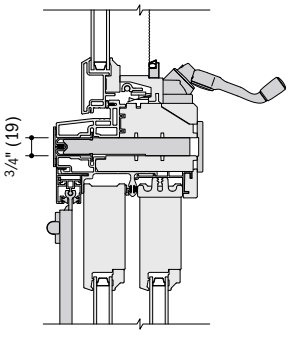
Direct-Set
Frenchwood® Patio Door Transom over Frenchwood® Hinged Inswing Patio Door



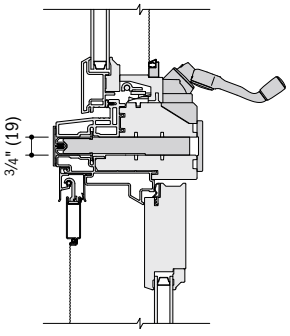
Direct-Set
Frenchwood® Patio Door Transom over Frenchwood® Hinged Outswing Patio Door



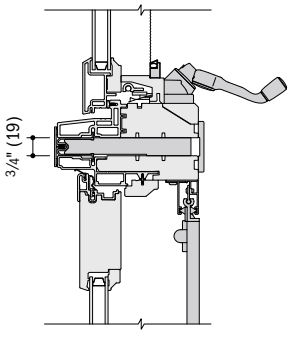
Direct-Set
Frenchwood® Patio Door Transom over Frenchwood® Patio Door Sidelight



Venting Transom Window over Frenchwood® Gliding Patio Door



Venting Transom Window over Frenchwood® Hinged Inswing Patio Door



Venting Transom Window over Frenchwood® Hinged Outswing Patio Door

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

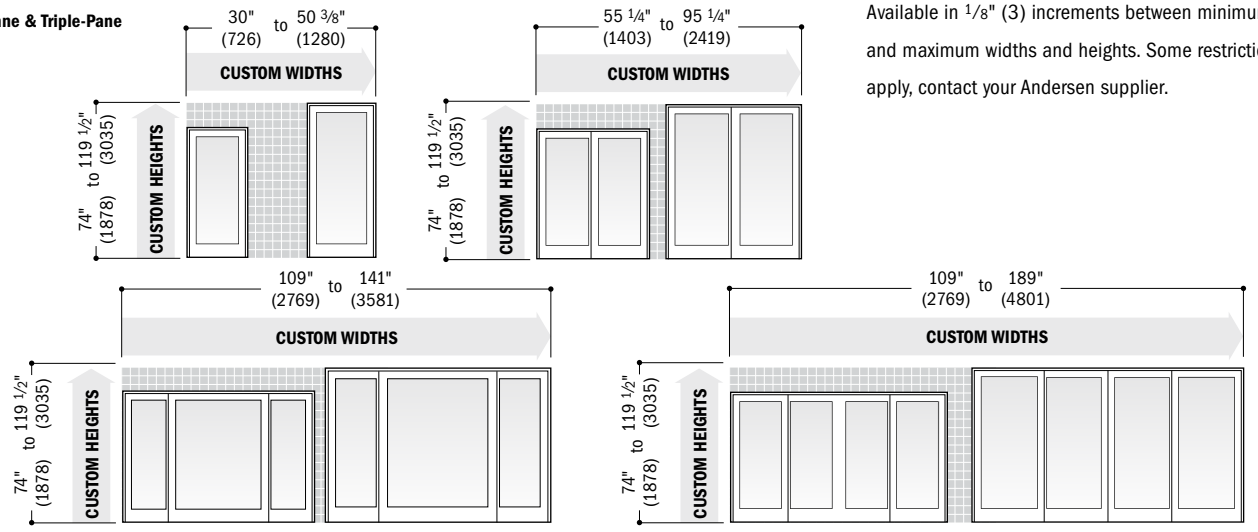
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Dimensions in parentheses are in millimeters.
- **Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, 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

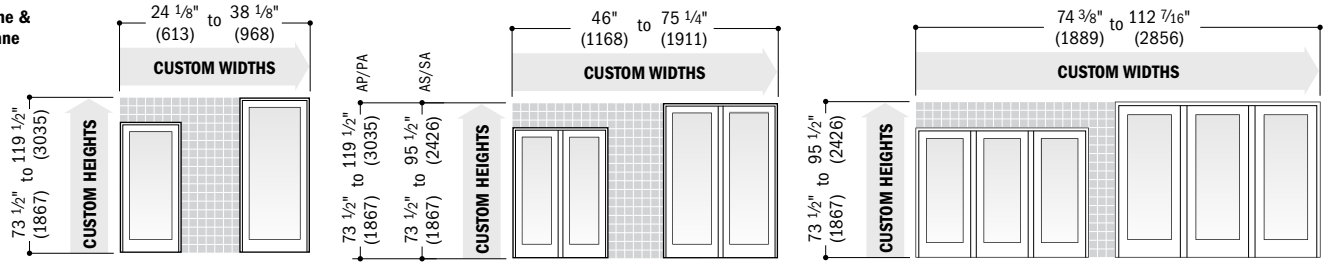


Available in 1/8" (3) increments between minimum and maximum widths and heights. Some restrictions apply, contact your Andersen supplier.

Clear Opening	Minimum R.O.	Unobstr. Glass
Two-Panel **Width** = (door width ÷ 2) - 8.368" (213) **Height** = door height - 3.927" (98) **Three-Panel, one panel open** **Width** = (door width ÷ 4) - 7.993" (203) **Height** = door height - 3.927" (100) **Four-Panel, two panels open** **Width** = (door width ÷ 2) - 15.458" (393) **Height** = door height - 3.927" (100)	**Single-Panel** **Width** = door width + 3/4" (19) **Height** = door height + 1/2" (13) **Two-Panel** **Width** = door width + 3/4" (19) **Height** = door height + 1/2" (13) **Three-Panel** **Width** = door width + 1" (25) **Height** = door height + 1/2" (13) **Four-Panel** **Width** = door width + 1" (25) **Height** = door height + 1/2" (13)	**Single-Panel** **Width** = door width − 11.22" (285) **Height** = door height − 16.06" (408) **Two-Panel** **Width** = door width − 17.00" (432) **Height** = door height − 16.06" (408) **Three-Panel** **Width** = door width − 22.78" (579) **Height** = door height − 16.06" (408) **Four-Panel** **Width** = door width − 11.22" (285) **Height** = door height − 16.06" (408)

Frenchwood® Hinged Inswing Patio Doors

Dual-Pane & Triple-Pane

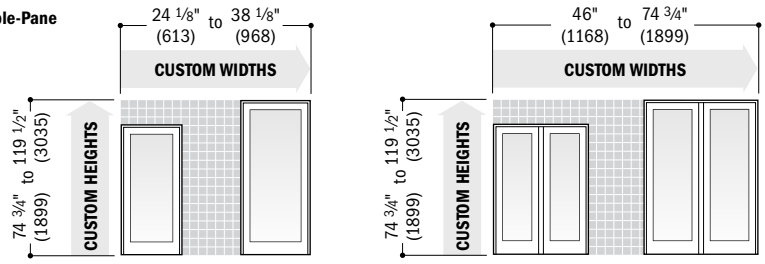


Clear Opening	Minimum R.O.	Unobstr. Glass
Height = door height - 4.232" (107) **Single-Panel** **Width** = door width - 5.799" (147) **Two-Panel, two panels open** **Width** = door width - 7.477" (190) **Two-Panel, one panel open** **Width** = (door width - 8.992" (228)) ÷ 2 **Three-Panel, one panel open** **Width** = (door width - 12.072" (307)) ÷ 3	**Single-Panel** **Width** = door width + 3/4" (19) **Height** = door height + 1/2" (13) **Two-Panel** **Width** = door width + 3/4" (19) **Height** = door height + 1/2" (13) **Three-Panel** **Width** = door width + 3/4" (19) **Height** = door height + 1/2" (13)	**Single-Panel** **Width** = door width − 11.22" (285) **Height** = door height − 16.06" (408) **Two-Panel** **Width** = door width − 21.50" (546) **Height** = door height − 16.06" (408) **Three-Panel** **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

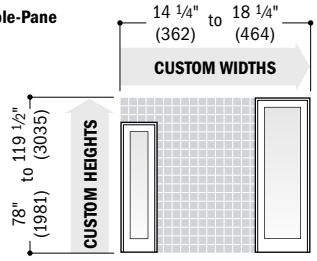
Dual-Pane & Triple-Pane



Clear Opening	**Height =** door height - 3.418" (87) **SIngle-Panel** **Width =** door width - 5.04" (128) **Two-Panel, two panels open** **Width =** door width - 6.69" (170) **Two-Panel, one panel open** **Width =** (door width - 9.959"(253)) ÷ 2	**Minimum R.O.**	**Single-Panel** **Width =** door width + 3/4" (19) **Height =** door height + 1/2" (13) **Two-Panel** **Width =** door + 3/4" (19) **Height =** door + 1/2" (13)	**Unobstr. Glass**	**Single-Panel** **Width =** door width – 11.22" (285) **Height =** door height – 16.06" (408) **Two-Panel** **Width =** door width – 21.50" (546) **Height =** door height – 16.06" (408)

Frenchwood® Patio Door Sidelights

Dual-Pane & Triple-Pane



Minimum R.O.	**Sidelight** **Width =** sidelight width + 3/4" (19) **Height =** sidelight height + 1/2" (13)	**Unobstr. Glass**	**Sidelight** **Width =** sidelight width – 7.84" (199) **Height =** sidelight height – 16.06" (408)

Custom-Size Frenchwood® Patio Door Shipping Information

	DOOR PRODUCT TYPE & SIZE		FACTORY-ASSEMBLED	UNASSEMBLED with Assembled Frame Panels ship separately	UNASSEMBLED with Unassembled Frame Panels ship separately
8' TALL OR LESS	1-panel	gliding	√		
	1-panel	hinged	√		
	2-panel	gliding	√		√
	2-panel	hinged	√		
	3- or 4-panel	gliding			√
	3-panel	hinged	√		
OVER 8' TALL	1-panel	gliding	√		
	1-panel	hinged	√		
	2-panel	gliding			√
	2-panel*	hinged		√	
	3- or 4-panel	gliding			√

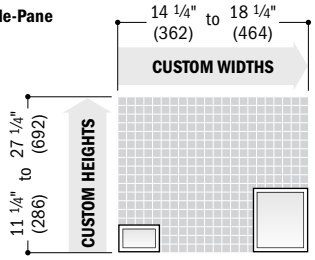
*Two-panel patio doors over 8' (2438) tall are only available active/passive or passive/active (AP/PA).

• 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

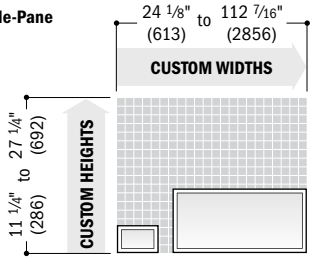
Dual-Pane & Triple-Pane



Minimum R.O.		Unobstr. Glass	
	**Sash-Set Sidelight Transom** **Width** = transom width + 3/4" (19) **Height** = transom height + 3/4" (19) **Direct-Set Sidelight Transom** **Width** = transom width + 3/4" (19) **Height** = transom height + 3/4" (19)		**Sash-Set Sidelight Transom** **Width** = transom width − 7.84" (199) **Height** = transom height − 7.84" (199) **Direct-Set Sidelight Transom** **Width** = transom width − 3.66" (93) **Height** = transom height − 3.66" (93)

Frenchwood® Patio Door Transoms

Dual-Pane & Triple-Pane

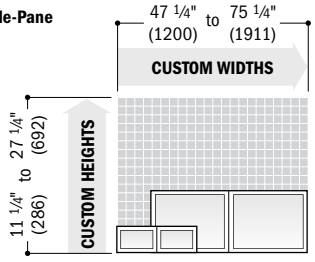


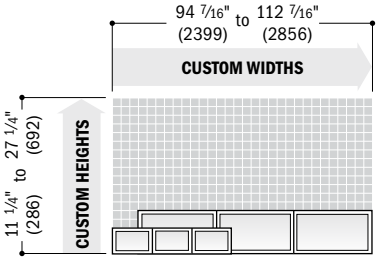
For custom sizes and specification formulas for venting transom windows, see page 69.

Minimum R.O.		Unobstr. Glass	
	**Sash-Set Transom** **Width** = transom width + 3/4" (19) **Height** = transom height + 3/4" (19) **Direct-Set Transom** **Width** = transom width + 3/4" (19) **Height** = transom height + 3/4" (19)		**Sash-Set Transom** **Width** = transom width − 11.22" (285) **Height** = transom height − 7.84" (199) **Direct-Set Transom** **Width** = transom width − 3.66" (93) **Height** = transom height − 3.66" (93)

Frenchwood® Patio Door Twin and Triple Transoms

Dual-Pane & Triple-Pane





Minimum R.O.		Unobstr. Glass	
	**Twin** **Width** = transom width + 3/4" (19) **Height** = transom height + 3/4" (19) **Triple** **Width** = transom width + 3/4" (19) **Height** = transom height + 3/4" (19)		**Twin** **Width** = transom width − 21.5" (546) **Height** = transom height − 7.84" (199) **Triple** **Width** = transom width − 31.78" (807) **Height** = 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 ⅛" (3) increments

SECTION REFERENCE

Springline™ Patio Doors

Door Dimensions & Specifications 165

Door Details..... 166-167

Arch Patio Doors

Door & Sidelight Dimensions & Specifications 168-169

Sidelight Details & Joining Details..... 170

Door Details.....171-172

Product Performance..... 214

Dimensions in parentheses are in millimeters.

COMPLEMENTARY CURVED TOP PATIO DOORS

FEATURES

Frame

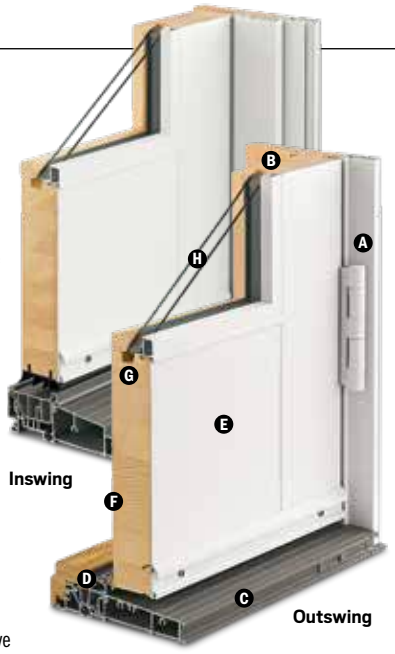
Ⓐ Heavy-duty extruded aluminum cladding protects the frame exterior, providing low-maintenance durability. Standard cladding finish meets AAMA 2604. An optional finish that meets the AAMA 2605 standard is also available.

Installation flange extends 1 ½" (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 frame members to suit all jamb conditions.

Ⓑ 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.

Ⓒ 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.

Ⓓ 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

Ⓔ Heavy-duty extruded aluminum cladding protects the panel exterior, providing low-maintenance durability.

Ⓕ 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.

Ⓖ Silicone glazing bead combined with two-sided silicone tape provides superior weathertightness.

Glass

Ⓗ 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 Jambs

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 jambs 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 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

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.

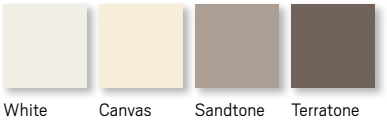
Yale® Assure Lock® Keyless Lock

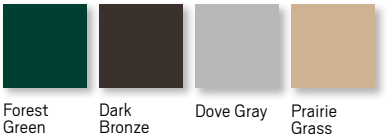
Monitor, lock and unlock from anywhere with the Yale Assure Lock. See page 16 for additional details.

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

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).

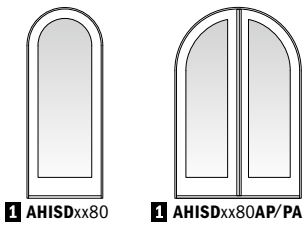
* Visit andersenwindows.com/warranty for details.

** 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.

Dimensions in parentheses are in millimeters.

"FSB" is a registered trademark of Franz Schneider Brakel GmbH & Co.



1 **AHISD**xx80 1 **AHISD**xx80**AP/PA**

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

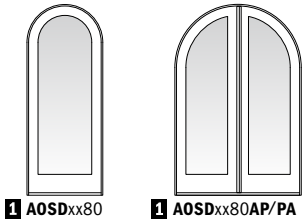
Traditional panels are standard. Custom designed and 3/4-light panels are also available. Stationary doors are also available (i.e. 3180**S** or 4080**SS**). Add **AHISD** to "Door Number" listed in table (i.e. **AHISD**2168).

Complementary Springline™ Inswing Patio Door Dimensions and Specifications

Door Number	Number of Panels Open*	Door Dimensions				Min. Rough Opening		Clear Opening Area Sq. Ft./(m²)	Clear Opening Maximums			Glass Area Sq. Ft./(m²)	Vent Area Sq. Ft./(m²)	Overall Door Area Sq. Ft./(m²)
		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 15/16" (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 **AOSD**xx80 1 **AOSD**xx80**AP/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. 3180**S** or 4080**SS**). Add **AOSD** to "Door Number" listed in table (i.e. **AOSD**2168).

Complementary Springline™ Outswing Patio Door Dimensions and Specifications

Door Number	Number of Panels Open*	Door Dimensions				Min. Rough Opening		Clear Opening Area Sq. Ft./(m²)	Clear Opening Maximums			Glass Area Sq. Ft./(m²)	Vent Area Sq. Ft./(m²)	Overall Door Area Sq. Ft./(m²)
		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)

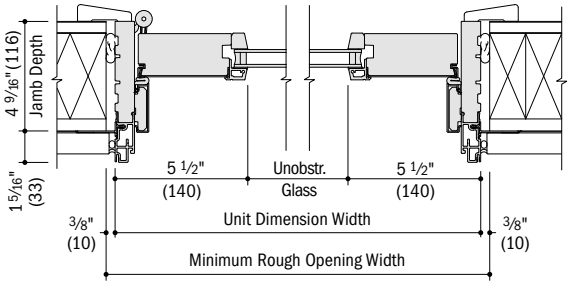
- "Door Dimension" always refers to outside frame to frame dimension.
- "**Minimum Rough Opening**" **dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.**
- Dimensions in parentheses are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

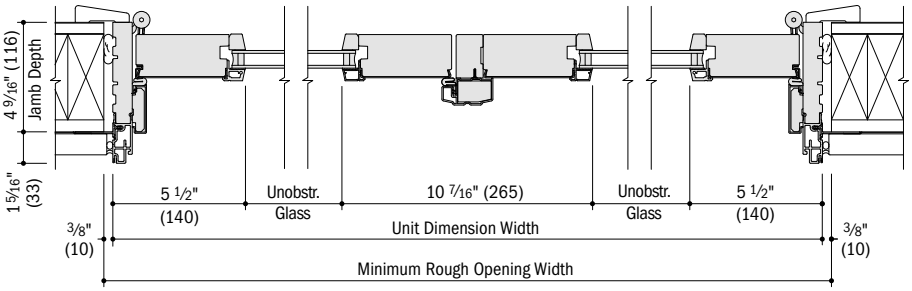
COMPLEMENTARY CURVED TOP PATIO DOORS

Complementary Springline™ Inswing Patio Door Details — 4 9/16" (116) Jamb Depth

Scale 1 1/2" (38) = 1'-0" (305) — 1:8

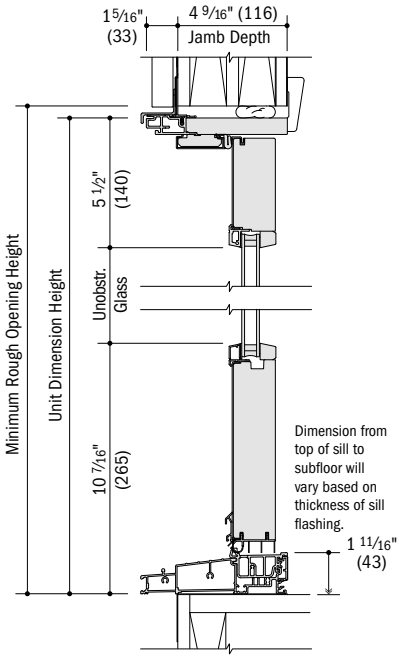


Horizontal Section



Horizontal Section

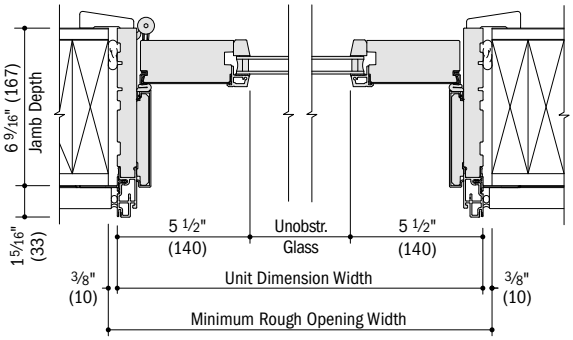
Two-Panel



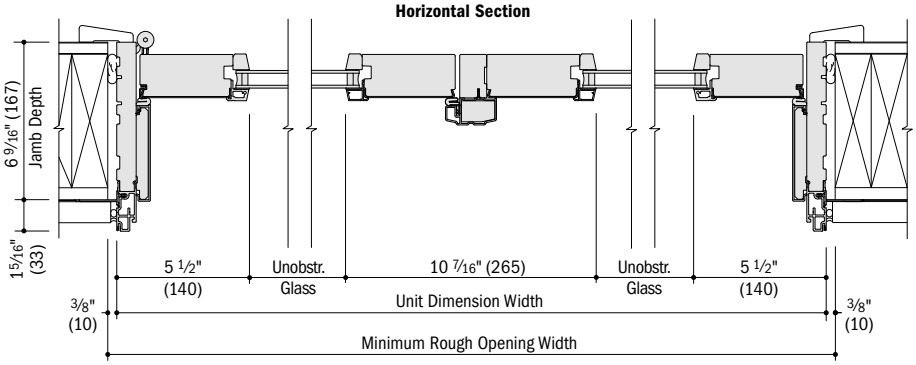
Vertical Section

Complementary Springline™ Inswing Patio Door Details — 6 9/16" (167) Jamb Depth

Scale 1 1/2" (38) = 1'-0" (305) — 1:8

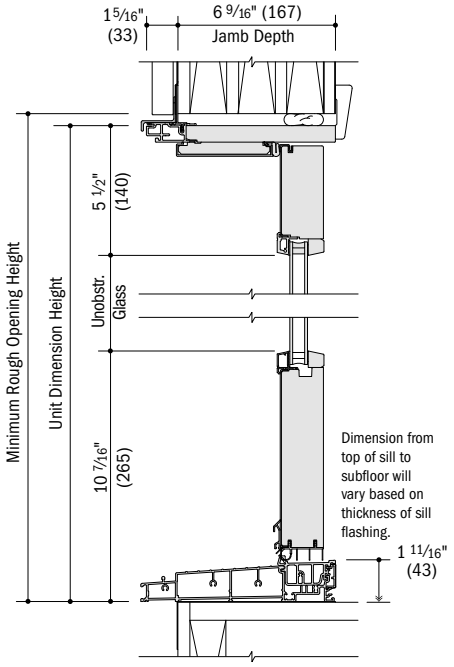


Horizontal Section



Horizontal Section

Two-Panel

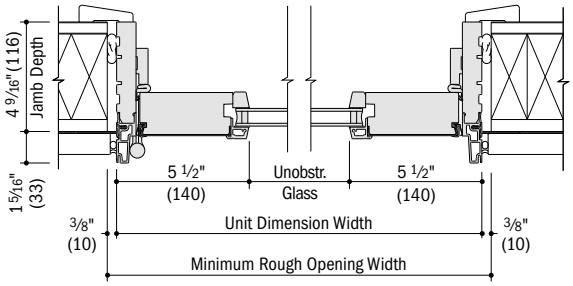


Vertical Section

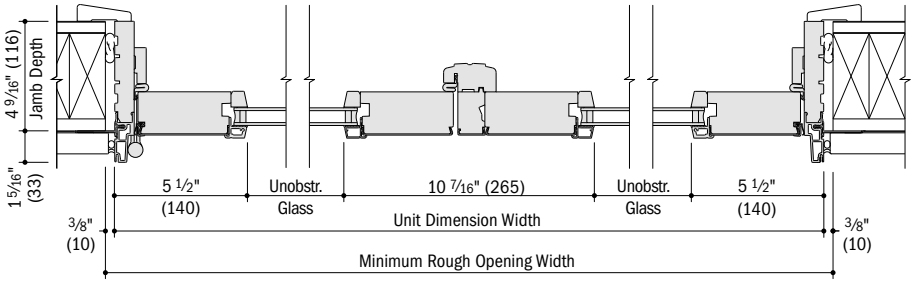
- 4 9/16" (116) and 6 9/16" (167) jamb depth measurements are from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- **Rough openings may need to be increased to allow 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.

Complementary Springline™ Outswing Patio Door Details — 4 9/16" (116) Jamb Depth

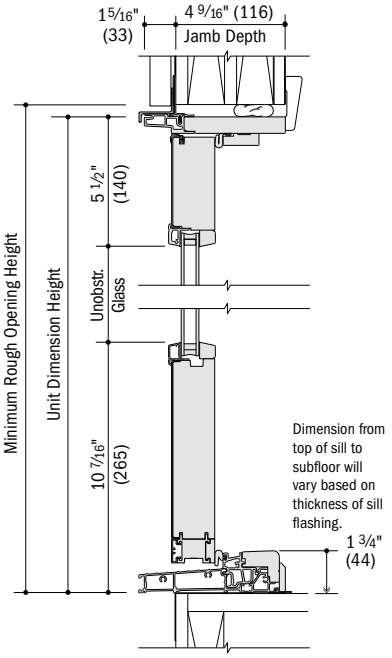
Scale 1 1/2" (38) = 1'-0" (305) — 1:8



Horizontal Section



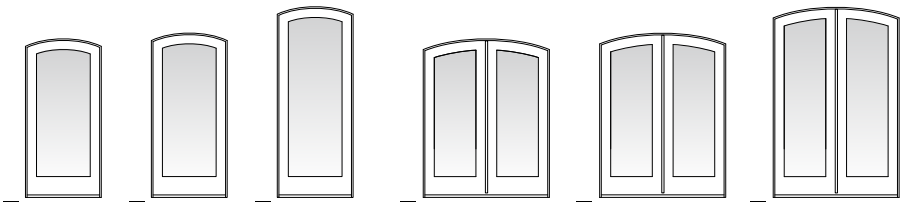
Horizontal Section
Two-Panel



Vertical Section

- 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



1 AHIADxx68 **2 AHIAD**xx611 **3 AHIAD**xx80 **1 AHIAD**xx68**AP/PA** **2 AHIAD**xx611**AP/PA** **3 AHIAD**xx80**AP/PA**

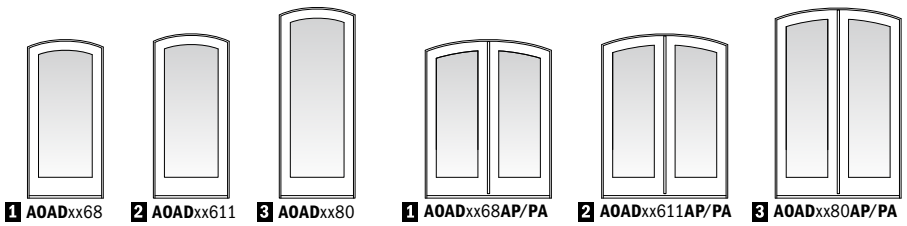
Custom-size doors are available in 1/8" (3) increments. Traditional panels are standard. Custom designed and 3/4-light panels are also available. Stationary doors are also available (i.e. 2168**S** or 4068**SS**). Add **AHIAD** to "Door Number" listed in table (i.e. **AHIAD**2168).

Complementary Arch Inswing Patio Door Dimensions and Specifications

Door Number	Number of Panels Open*	Door Dimensions				Min. Rough Opening		Clear Opening Area Sq. Ft./(m²)	Clear Opening Maximums			Glass Area Sq. Ft./(m²)	Vent Area Sq. Ft./(m²)	Overall Door Area Sq. Ft./(m²)
		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)			
2168	1	36" (914)	77 7/16" (1967)	23 15/16" (608)	79 1/2" (2019)	25" (635)	80" (2032)	10.79 (1.00)	18 7/8" (479)	20 13/16" (529)	74 11/16" (1897)	5.66 (0.53)	12.46 (1.16)	14.49 (1.35)
2768	1	48" (1219)	77 1/8" (1959)	29 15/16" (760)	79 1/2" (2019)	31" (787)	80" (2032)	13.84 (1.29)	24 7/8" (632)	26 13/16" (681)	74 5/16" (1888)	8.28 (0.77)	15.70 (1.46)	17.85 (1.66)
2968	1	48" (1219)	76 3/4" (1949)	31 15/16" (811)	79 1/2" (2019)	33" (838)	80" (2032)	14.81 (1.38)	26 7/8" (683)	28 13/16" (732)	74" (1880)	9.15 (0.85)	16.77 (1.56)	18.95 (1.76)
3168	1	48" (1219)	76" (1930)	35 15/16" (913)	79 1/2" (2019)	37" (940)	80" (2032)	16.71 (1.55)	30 7/8" (784)	32 13/16" (833)	73 5/16" (1862)	10.87 (1.01)	18.88 (1.75)	21.13 (1.96)
3368	1	48" (1219)	75 5/8" (1921)	37 15/16" (964)	79 1/2" (2019)	39" (991)	80" (2032)	17.86 (1.66)	32 7/8" (835)	34 13/16" (884)	73 7/8" (1876)	11.72 (1.09)	22.01 (2.04)	24.36 (2.26)
21611	1	36" (914)	80 5/16" (2040)	23 15/16" (608)	82 3/8" (2092)	25" (635)	83" (2108)	11.21 (1.04)	18 7/8" (479)	20 13/16" (529)	77 9/16" (1970)	5.93 (0.55)	14.39 (1.34)	16.65 (1.55)
27611	1	48" (1219)	80" (2032)	29 15/16" (760)	82 3/8" (2092)	31" (787)	83" (2108);	14.37 (1.33)	24 7/8" (632)	26 13/16" (681)	77 3/16" (1961)	8.68 (0.81)	18.17 (1.69)	20.55 (1.91)
29611	1	48" (1219)	79 5/8" (2022)	31 15/16" (811)	82 3/8" (2092)	33" (838)	83" (2108)	15.38 (1.43)	26 7/8" (683)	28 13/16" (732)	76 7/8" (1953)	9.58 (0.89)	19.41 (1.80)	21.83 (2.03)
31611	1	48" (1219)	78 7/8" (2003)	35 15/16" (913)	82 3/8" (2092)	37" (940)	83" (2108)	17.36 (1.61)	30 7/8" (784)	32 13/16" (833)	76 3/16" (1935)	11.39 (1.06)	21.89 (2.03)	24.37 (2.26)
33611	1	48" (1219)	78 1/2" (1994)	37 15/16" (964)	82 3/8" (2092)	39" (991)	83" (2108)	18.55 (1.72)	32 7/8" (835)	34 13/16" (884)	76 3/4" (1949)	12.28 (1.14)	25.19 (2.34)	27.78 (2.58)
2180	1	36" (914)	93 7/16" (2373)	23 15/16" (608)	95 1/2" (2426)	25" (635)	96" (2438)	13.11 (1.22)	18 7/8" (479)	20 13/16" (529)	90 11/16" (2303)	7.09 (0.66)	16.31 (1.52)	18.81 (1.75)
2780	1	48" (1219)	93 1/8" (2365)	29 15/16" (760)	95 1/2" (2426)	31" (787)	96" (2438)	16.82 (1.56)	24 7/8" (632)	26 13/16" (681)	90 5/16" (2294)	10.38 (0.96)	20.63 (1.92)	23.25 (2.16)
2980	1	48" (1219)	92 3/4" (2356)	31 15/16" (811)	95 1/2" (2426)	33" (838)	96" (2438)	18.01 (1.67)	26 7/8" (683)	28 13/16" (732)	90" (2286)	11.47 (1.07)	22.06 (2.05)	24.71 (2.30)
3180	1	48" (1219)	92" (2337)	35 15/16" (913)	95 1/2" (2426)	37" (940)	96" (2438)	20.35 (1.89)	30 7/8" (784)	32 13/16" (833)	89 5/16" (2269)	13.63 (1.27)	24.89 (2.31)	27.62 (2.57)
3380	1	48" (1219)	91 5/8" (2327)	37 15/16" (964)	95 1/2" (2426)	39" (991)	96" (2438)	21.73 (2.02)	32 7/8" (835)	34 13/16" (884)	89 7/8" (2283)	14.71 (1.37)	28.38 (2.64)	31.20 (2.90)
4068	2	48" (1219)	73 5/16" (1862)	47 1/4" (1200)	79 1/2" (2019)	48" (1219)	80" (2032)	21.56 (2.00)	39 15/16" (1014)	43 13/16" (1113)	70 7/8" (1800)	10.93 (1.02)	25.61 (2.38)	28.07 (2.61)
4068	1	48" (1219)	73 5/16" (1862)	47 1/4" (1200)	79 1/2" (2019)	48" (1219)	80" (2032)	10.27 (0.95)	18 15/16" (481)	20 7/8" (530)	70 7/8" (1800)	10.93 (1.02)	12.22 (1.14)	28.07 (2.61)
5068	2	96" (2438)	74 13/16" (1900)	59 1/4" (1505)	79 1/2" (2019)	60" (1524)	80" (2032)	27.95 (2.60)	51 15/16" (1319)	55 13/16" (1418)	72 1/8" (1832)	16.30 (1.51)	32.24 (3.00)	34.97 (3.25)
5068	1	96" (2438)	74 13/16" (1900)	59 1/4" (1505)	79 1/2" (2019)	60" (1524)	80" (2032)	13.46 (1.25)	24 15/16" (633)	26 7/8" (683)	72 1/8" (1832)	16.30 (1.51)	15.54 (1.44)	34.97 (3.25)
5468	2	96" (2438)	74 1/8" (1883)	63 1/4" (1607)	79 1/2" (2019)	64" (1626)	80" (2032)	29.70 (2.76)	55 15/16" (1421)	59 13/16" (1519)	71 1/2" (1816)	17.97 (1.67)	34.29 (3.19)	37.09 (3.45)
5468	1	96" (2438)	74 1/8" (1883)	63 1/4" (1607)	79 1/2" (2019)	64" (1626)	80" (2032)	14.34 (1.33)	26 15/16" (684)	28 7/8" (733)	71 1/2" (1816)	17.97 (1.67)	16.56 (1.54)	37.09 (3.45)
6068	2	96" (2438)	72 5/8" (1845)	71 1/4" (1810)	79 1/2" (2019)	72" (1829)	80" (2032)	32.99 (3.06)	63 15/16" (1624)	67 13/16" (1722)	70 1/16" (1780)	21.25 (1.97)	38.33 (3.56)	41.27 (3.83)
6068	1	96" (2438)	72 5/8" (1845)	71 1/4" (1810)	79 1/2" (2019)	72" (1829)	80" (2032)	16.00 (1.49)	30 15/16" (786)	32 7/8" (835)	70 1/16" (1780)	21.25 (1.97)	18.58 (1.73)	41.27 (3.83)
6468	2	96" (2438)	71 13/16" (1824)	75 1/4" (1911)	79 1/2" (2019)	76" (1930)	80" (2032)	34.53 (3.21)	67 15/16" (1726)	71 13/16" (1824)	69 1/4" (1759)	22.86 (2.12)	44.22 (4.11)	47.36 (4.40)
6468	1	96" (2438)	71 13/16" (1824)	75 1/4" (1911)	79 1/2" (2019)	76" (1930)	80" (2032)	16.77 (1.56)	32 15/16" (837)	34 7/8" (886)	69 1/4" (1759)	22.86 (2.12)	21.53 (2.00)	47.36 (4.40)
40611	2	48" (1219)	76 3/16" (1935)	47 1/4" (1200)	82 3/8" (2092)	48" (1219)	83" (2108)	22.44 (2.08)	39 15/16" (1014)	43 13/16" (1113)	73 3/4" (1873)	11.46 (1.06)	29.64 (2.75)	32.34 (3.00)
40611	1	48" (1219)	76 3/16" (1935)	47 1/4" (1200)	82 3/8" (2092)	48" (1219)	83" (2108)	10.69 (0.99)	18 15/16" (481)	20 7/8" (530)	73 3/4" (1873)	11.46 (1.06)	14.29 (1.33)	32.34 (3.00)
50611	2	96" (2438)	77 11/16" (1973)	59 1/4" (1505)	82 3/8" (2092)	60" (1524)	83" (2108)	29.07 (2.70)	51 15/16" (1319)	55 13/16" (1418)	75" (1905)	17.09 (1.59)	37.35 (3.47)	40.32 (3.75)
50611	1	96" (2438)	77 11/16" (1973)	59 1/4" (1505)	82 3/8" (2092)	60" (1524)	83" (2108)	14.00 (1.30)	24 15/16" (633)	26 7/8" (683)	75" (1905)	17.09 (1.59)	18.15 (1.69)	40.32 (3.75)
54611	2	96" (2438)	77" (1956)	63 1/4" (1607)	82 3/8" (2092)	64" (1626)	83" (2108)	30.89 (2.87)	55 15/16" (1421)	59 13/16" (1519)	74 3/8" (1889)	18.84 (1.75)	39.77 (3.69)	42.80 (3.98)
54611	1	96" (2438)	77" (1956)	63 1/4" (1607)	82 3/8" (2092)	64" (1626)	83" (2108)	14.91 (1.39)	26 15/16" (684)	28 7/8" (733)	74 3/8" (1889)	18.84 (1.75)	19.35 (1.80)	42.80 (3.98)
60611	2	96" (2438)	75 1/2" (1918)	71 1/4" (1810)	82 3/8" (2092)	72" (1829)	83" (2108)	34.35 (3.19)	63 15/16" (1624)	67 13/16" (1722)	72 15/16" (1853)	22.28 (2.07)	44.53 (4.14)	47.71 (4.43)
60611	1	96" (2438)	75 1/2" (1918)	71 1/4" (1810)	82 3/8" (2092)	72" (1829)	83" (2108)	16.65 (1.55)	30 15/16" (786)	32 7/8" (835)	72 15/16" (1853)	22.28 (2.07)	21.74 (2.02)	47.71 (4.43)
64611	2	96" (2438)	74 11/16" (1897)	75 1/4" (1911)	82 3/8" (2092)	76" (1930)	83" (2108)	35.97 (3.34)	67 15/16" (1726)	71 13/16" (1824)	72 1/8" (1832)	23.98 (2.23)	50.78 (4.72)	54.16 (5.03)
64611	1	96" (2438)	74 11/16" (1897)	75 1/4" (1911)	82 3/8" (2092)	76" (1930)	83" (2108)	17.47 (1.62)	32 15/16" (837)	34 7/8" (886)	72 1/8" (1832)	23.98 (2.23)	25.22 (2.34)	54.16 (5.03)
4080	2	48" (1219)	89 5/16" (2269)	47 1/4" (1200)	95 1/2" (2426)	48" (1219)	96" (2438)	26.43 (2.46)	39 15/16" (1014)	43 13/16" (1113)	86 7/8" (2207)	13.76 (1.28)	33.66 (3.13)	36.60 (3.40)
4080	1	48" (1219)	89 5/16" (2269)	47 1/4" (1200)	95 1/2" (2426)	48" (1219)	96" (2438)	12.59 (1.17)	18 15/16" (481)	20 7/8" (530)	86 7/8" (2207)	13.76 (1.28)	14.29 (1.33)	36.60 (3.40)
5080	2	96" (2438)	90 13/16" (2307)	59 1/4" (1505)	95 1/2" (2426)	60" (1524)	96" (2438)	34.16 (3.17)	51 15/16" (1319)	55 13/16" (1418)	88 1/8" (2238)	20.50 (1.90)	42.47 (3.95)	45.67 (4.24)
5080	1	96" (2438)	90 13/16" (2307)	59 1/4" (1505)	95 1/2" (2426)	60" (1524)	96" (2438)	16.45 (1.53)	24 15/16" (633)	26 7/8" (683)	88 1/8" (2238)	20.50 (1.90)	18.15 (1.69)	45.67 (4.24)
5480	2	96" (2438)	90 1/8" (2289)	63 1/4" (1607)	95 1/2" (2426)	64" (1626)	96" (2438)	36.34 (3.38)	55 15/16" (1421)	59 13/16" (1519)	87 1/2" (2223)	22.61 (2.10)	45.24 (4.20)	48.51 (4.51)
5480	1	96" (2438)	90 1/8" (2289)	63 1/4" (1607)	95 1/2" (2426)	64" (1626)	96" (2438)	17.55 (1.63)	26 15/16" (684)	28 7/8" (733)	87 1/2" (2223)	22.61 (2.10)	19.35 (1.80)	48.51 (4.51)
6080	2	96" (2438)	88 5/8" (2251)	71 1/4" (1810)	95 1/2" (2426)	72" (1829)	96" (2438)	40.53 (3.77)	63 15/16" (1624)	67 13/16" (1722)	86 1/16" (2186)	26.78 (2.49)	50.73 (4.71)	54.14 (5.03)
6080	1	96" (2438)	88 5/8" (2251)	71 1/4" (1810)	95 1/2" (2426)	72" (1829)	96" (2438)	19.65 (1.83)	30 15/16" (786)	32 7/8" (835)	86 1/16" (2186)	26.78 (2.49)	21.74 (2.02)	54.14 (5.03)
6480	2	96" (2438)	87 13/16" (2230)	75 1/4" (1911)	95 1/2" (2426)	76" (1930)	96" (2438)	42.51 (3.95)	67 15/16" (1726)	71 13/16" (1824)	85 1/4" (2165)	28.83 (2.68)	57.33 (5.33)	60.95 (5.66)
6480	1	96" (2438)	87 13/16" (2230)	75 1/4" (1911)	95 1/2" (2426)	76" (1930)	96" (2438)	20.65 (1.92)	32 15/16" (837)	34 7/8" (886)	85 1/4" (2165)	28.83 (2.68)	25.22 (2.34)	60.95 (5.66)

- "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 **AOAD**xx68 2 **AOAD**xx611 3 **AOAD**xx80 1 **AOAD**xx68**AP/PA** 2 **AOAD**xx611**AP/PA** 3 **AOAD**xx80**AP/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. 2168**S** or 4068**SS**). Add **AOAD** to "Door Number" listed in table (i.e. **AOAD**2168).

Complementary Arch Outswing Patio Door Dimensions and Specifications

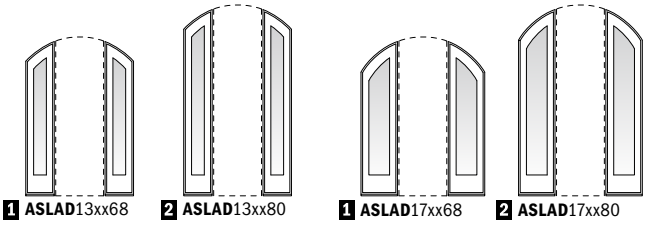
Door Number	Number of Panels Open*	Door Dimensions				Min. Rough Opening		Clear Opening Area	Clear Opening Maximums			Glass Area	Vent Area	Overall Door Area
		Radius Inches/(mm)	Shoulder Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)	Sq. Ft./(m²)	90° Width Inches/(mm)	Full Width Inches/(mm)	Height Inches/(mm)	Sq. Ft./(m²)	Sq. Ft./(m²)	Sq. Ft./(m²)
2168	1	36" (914)	77 7/16" (1967)	23 15/16" (608)	79 1/2" (2019)	25" (635)	80" (2032)	11.06 (1.03)	19 3/8" (492)	21 5/16" (541)	74 3/4" (1899)	5.66 (0.53)	12.46 (1.16)	14.49 (1.35)
2768	1	48" (1219)	77 1/8" (1959)	29 15/16" (760)	79 1/2" (2019)	31" (787)	80" (2032)	14.11 (1.31)	25 3/8" (645)	27 5/16" (694)	74 3/8" (1889)	8.28 (0.77)	15.70 (1.46)	17.85 (1.66)
2968	1	48" (1219)	76 3/4" (1949)	31 15/16" (811)	79 1/2" (2019)	33" (838)	80" (2032)	15.08 (1.40)	27 3/8" (695)	29 5/16" (745)	74 1/16" (1881)	9.15 (0.85)	16.77 (1.56)	18.95 (1.76)
3168	1	48" (1219)	76" (1930)	35 15/16" (913)	79 1/2" (2019)	37" (940)	80" (2032)	16.97 (1.58)	31 3/8" (797)	33 5/16" (846)	73 3/8" (1864)	10.87 (1.01)	18.88 (1.75)	21.13 (1.96)
3368	1	48" (1219)	75 5/8" (1921)	37 15/16" (964)	79 1/2" (2019)	39" (991)	80" (2032)	17.90 (1.66)	33 3/8" (848)	35 5/16" (897)	73" (1854)	11.72 (1.09)	22.01 (2.04)	24.36 (2.26)
21611	1	36" (914)	80 5/16" (2040)	23 15/16" (608)	82 3/8" (2092)	25" (635)	83" (2108)	11.49 (1.07)	19 3/8" (492)	21 5/16" (541)	77 5/8" (1972)	5.93 (0.55)	14.39 (1.34)	16.65 (1.55)
27611	1	48" (1219)	80" (2032)	29 15/16" (760)	82 3/8" (2092)	31" (787)	83" (2108)	14.65 (1.36)	25 3/8" (645)	27 5/16" (694)	77 1/4" (1962)	8.68 (0.81)	18.17 (1.69)	20.55 (1.91)
29611	1	48" (1219)	79 5/8" (2022)	31 15/16" (811)	82 3/8" (2092)	33" (838)	83" (2108)	15.66 (1.45)	27 3/8" (695)	29 5/16" (745)	76 15/16" (1954)	9.58 (0.89)	19.41 (1.80)	21.83 (2.03)
31611	1	48" (1219)	78 7/8" (2003)	35 15/16" (913)	82 3/8" (2092)	37" (940)	83" (2108)	17.64 (1.64)	31 3/8" (797)	33 5/16" (846)	76 1/4" (1937)	11.39 (1.06)	21.89 (2.03)	24.37 (2.26)
33611	1	48" (1219)	78 1/2" (1994)	37 15/16" (964)	82 3/8" (2092)	39" (991)	83" (2108)	18.61 (1.73)	33 3/8" (848)	35 5/16" (897)	75 7/8" (1927)	12.28 (1.14)	25.19 (2.34)	27.78 (2.58)
2180	1	36" (914)	93 7/16" (2373)	23 15/16" (608)	95 1/2" (2426)	25" (635)	96" (2438)	13.43 (1.25)	19 3/8" (492)	21 5/16" (541)	90 3/4" (2305)	7.09 (0.66)	16.31 (1.52)	18.81 (1.75)
2780	1	48" (1219)	93 1/8" (2365)	29 15/16" (760)	95 1/2" (2426)	31" (787)	96" (2438)	17.14 (1.59)	25 3/8" (645)	27 5/16" (694)	90 3/8" (2296)	10.38 (0.96)	20.63 (1.92)	23.25 (2.16)
2980	1	48" (1219)	92 3/4" (2356)	31 15/16" (811)	95 1/2" (2426)	33" (838)	96" (2438)	18.33 (1.70)	27 3/8" (695)	29 5/16" (745)	90 1/16" (2288)	11.47 (1.07)	22.06 (2.05)	24.71 (2.30)
3180	1	48" (1219)	92" (2337)	35 15/16" (913)	95 1/2" (2426)	37" (940)	96" (2438)	20.68 (1.92)	31 3/8" (797)	33 5/16" (846)	89 3/8" (2270)	13.63 (1.27)	24.89 (2.31)	27.62 (2.57)
3380	1	48" (1219)	91 5/8" (2327)	37 15/16" (964)	95 1/2" (2426)	39" (991)	96" (2438)	21.83 (2.03)	33 3/8" (848)	35 5/16" (897)	89" (2261)	14.71 (1.37)	28.38 (2.64)	31.20 (2.90)
4068	2	48" (1219)	73 5/16" (1862)	47 1/4" (1200)	79 1/2" (2019)	48" (1219)	80" (2032)	21.93 (2.04)	40 11/16" (1033)	44 5/8" (1133)	70 3/4" (1797)	10.93 (1.02)	25.61 (2.38)	28.07 (2.61)
4068	1	48" (1219)	73 5/16" (1862)	47 1/4" (1200)	79 1/2" (2019)	48" (1219)	80" (2032)	10.44 (0.97)	19 1/4" (489)	21 1/4" (540)	70 3/4" (1797)	10.93 (1.02)	12.22 (1.14)	28.07 (2.61)
5068	2	96" (2438)	74 13/16" (1900)	59 1/4" (1505)	79 1/2" (2019)	60" (1524)	80" (2032)	28.36 (2.63)	52 11/16" (1338)	56 5/8" (1438)	72 1/8" (1832)	16.30 (1.51)	32.24 (3.00)	34.97 (3.25)
5068	1	96" (2438)	74 13/16" (1900)	59 1/4" (1505)	79 1/2" (2019)	60" (1524)	80" (2032)	13.65 (1.27)	25 1/4" (641)	27 1/4" (692)	72 1/8" (1832)	16.30 (1.51)	15.54 (1.44)	34.97 (3.25)
5468	2	96" (2438)	74 1/8" (1883)	63 1/4" (1607)	79 1/2" (2019)	64" (1626)	80" (2032)	30.08 (2.79)	56 11/16" (1440)	60 5/8" (1540)	71 7/16" (1815)	17.97 (1.67)	34.29 (3.19)	37.09 (3.45)
5468	1	96" (2438)	74 1/8" (1883)	63 1/4" (1607)	79 1/2" (2019)	64" (1626)	80" (2032)	14.51 (1.35)	27 1/4" (692)	29 1/4" (743)	71 7/16" (1815)	17.97 (1.67)	16.56 (1.54)	37.09 (3.45)
6068	2	96" (2438)	72 5/8" (1845)	71 1/4" (1810)	79 1/2" (2019)	72" (1829)	80" (2032)	33.36 (3.10)	64 11/16" (1643)	68 5/8" (1743)	70" (1778)	21.25 (1.97)	38.33 (3.56)	41.27 (3.83)
6068	1	96" (2438)	72 5/8" (1845)	71 1/4" (1810)	79 1/2" (2019)	72" (1829)	80" (2032)	16.16 (1.50)	31 1/4" (794)	33 1/4" (845)	70" (1778)	21.25 (1.97)	18.58 (1.73)	41.27 (3.83)
6468	2	96" (2438)	71 13/16" (1824)	75 1/4" (1911)	79 1/2" (2019)	76" (1930)	80" (2032)	34.89 (3.24)	68 11/16" (1745)	72 5/8" (1845)	69 3/16" (1757)	22.86 (2.12)	44.22 (4.11)	47.36 (4.40)
6468	1	96" (2438)	71 13/16" (1824)	75 1/4" (1911)	79 1/2" (2019)	76" (1930)	80" (2032)	16.94 (1.57)	33 1/4" (845)	35 1/4" (895)	69 3/16" (1757)	22.86 (2.12)	21.53 (2.00)	47.36 (4.40)
40611	2	48" (1219)	76 3/16" (1935)	47 1/4" (1200)	82 3/8" (2092)	48" (1219)	83" (2108)	22.82 (2.12)	40 11/16" (1033)	44 5/8" (1133)	73 5/8" (1870)	11.46 (1.06)	29.64 (2.75)	32.34 (3.00)
40611	1	48" (1219)	76 3/16" (1935)	47 1/4" (1200)	82 3/8" (2092)	48" (1219)	83" (2108)	10.86 (1.01)	19 1/4" (489)	21 1/4" (540)	73 5/8" (1870)	11.46 (1.06)	14.29 (1.33)	32.34 (3.00)
50611	2	96" (2438)	77 11/16" (1973)	59 1/4" (1505)	82 3/8" (2092)	60" (1524)	83" (2108)	29.49 (2.74)	52 11/16" (1338)	56 5/8" (1438)	75" (1905)	17.09 (1.59)	37.35 (3.47)	40.32 (3.75)
50611	1	96" (2438)	77 11/16" (1973)	59 1/4" (1505)	82 3/8" (2092)	60" (1524)	83" (2108)	14.19 (1.32)	25 1/4" (641)	27 1/4" (692)	75" (1905)	17.09 (1.59)	18.15 (1.69)	40.32 (3.75)
54611	2	96" (2438)	77" (1956)	63 1/4" (1607)	82 3/8" (2092)	64" (1626)	83" (2108)	31.29 (2.91)	56 11/16" (1440)	60 5/8" (1540)	74 5/16" (1888)	18.84 (1.75)	39.77 (3.69)	42.80 (3.98)
54611	1	96" (2438)	77" (1956)	63 1/4" (1607)	82 3/8" (2092)	64" (1626)	83" (2108)	15.09 (1.40)	27 1/4" (692)	29 1/4" (743)	74 5/16" (1888)	18.84 (1.75)	19.35 (1.80)	42.80 (3.98)
60611	2	96" (2438)	75 1/2" (1918)	71 1/4" (1810)	82 3/8" (2092)	72" (1829)	83" (2108)	34.73 (3.23)	64 11/16" (1643)	68 5/8" (1743)	72 7/8" (1851)	22.28 (2.07)	44.53 (4.14)	47.71 (4.43)
60611	1	96" (2438)	75 1/2" (1918)	71 1/4" (1810)	82 3/8" (2092)	72" (1829)	83" (2108)	16.83 (1.56)	31 1/4" (794)	33 1/4" (845)	72 7/8" (1851)	22.28 (2.07)	21.74 (2.02)	47.71 (4.43)
64611	2	96" (2438)	74 11/16" (1897)	75 1/4" (1911)	82 3/8" (2092)	76" (1930)	83" (2108)	36.34 (3.38)	68 11/16" (1745)	72 5/8" (1845)	72 1/16" (1830)	23.98 (2.23)	50.78 (4.72)	54.16 (5.03)
64611	1	96" (2438)	74 11/16" (1897)	75 1/4" (1911)	82 3/8" (2092)	76" (1930)	83" (2108)	17.64 (1.64)	33 1/4" (845)	35 1/4" (895)	72 1/16" (1830)	23.98 (2.23)	25.22 (2.34)	54.16 (5.03)
4080	2	48" (1219)	89 5/16" (2269)	47 1/4" (1200)	95 1/2" (2426)	48" (1219)	96" (2438)	26.88 (2.50)	40 11/16" (1033)	44 5/8" (1133)	86 3/4" (2203)	13.76 (1.28)	33.66 (3.13)	36.60 (3.40)
4080	1	48" (1219)	89 5/16" (2269)	47 1/4" (1200)	95 1/2" (2426)	48" (1219)	96" (2438)	12.80 (1.19)	19 1/4" (489)	21 1/4" (540)	86 3/4" (2203)	13.76 (1.28)	14.29 (1.33)	36.60 (3.40)
5080	2	96" (2438)	90 13/16" (2307)	59 1/4" (1505)	95 1/2" (2426)	60" (1524)	96" (2438)	34.65 (3.22)	52 11/16" (1338)	56 5/8" (1438)	88 1/8" (2238)	20.50 (1.90)	42.47 (3.95)	45.67 (4.24)
5080	1	96" (2438)	90 13/16" (2307)	59 1/4" (1505)	95 1/2" (2426)	60" (1524)	96" (2438)	16.68 (1.55)	25 1/4" (641)	27 1/4" (692)	88 1/8" (2238)	20.50 (1.90)	18.15 (1.69)	45.67 (4.24)
5480	2	96" (2438)	90 1/8" (2289)	63 1/4" (1607)	95 1/2" (2426)	64" (1626)	96" (2438)	36.81 (3.42)	56 11/16" (1440)	60 5/8" (1540)	87 7/16" (2221)	22.61 (2.10)	45.24 (4.20)	48.51 (4.51)
5480	1	96" (2438)	90 1/8" (2289)	63 1/4" (1607)	95 1/2" (2426)	64" (1626)	96" (2438)	17.76 (1.65)	27 1/4" (692)	29 1/4" (743)	87 7/16" (2221)	22.61 (2.10)	19.35 (1.80)	48.51 (4.51)
6080	2	96" (2438)	88 5/8" (2251)	71 1/4" (1810)	95 1/2" (2426)	72" (1829)	96" (2438)	40.98 (3.81)	64 11/16" (1643)	68 5/8" (1743)	86" (2184)	26.78 (2.49)	50.73 (4.71)	54.14 (5.03)
6080	1	96" (2438)	88 5/8" (2251)	71 1/4" (1810)	95 1/2" (2426)	72" (1829)	96" (2438)	19.86 (1.84)	31 1/4" (794)	33 1/4" (845)	86" (2184)	26.78 (2.49)	21.74 (2.02)	54.14 (5.03)
6480	2	96" (2438)	87 13/16" (2230)	75 1/4" (1911)	95 1/2" (2426)	76" (1930)	96" (2438)	42.96 (3.99)	68 11/16" (1745)	72 5/8" (1845)	85 3/16" (2164)	28.83 (2.68)	57.33 (5.33)	60.95 (5.66)
6480	1	96" (2438)	87 13/16" (2230)	75 1/4" (1911)	95 1/2" (2426)	76" (1930)	96" (2438)	20.85 (1.94)	33 1/4" (845)	35 1/4" (895)	85 3/16" (2164)	28.83 (2.68)	25.22 (2.34)	60.95 (5.66)

- "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.

COMPLEMENTARY CURVED TOP PATIO DOORS

Complementary Arch Patio Door Sidelights



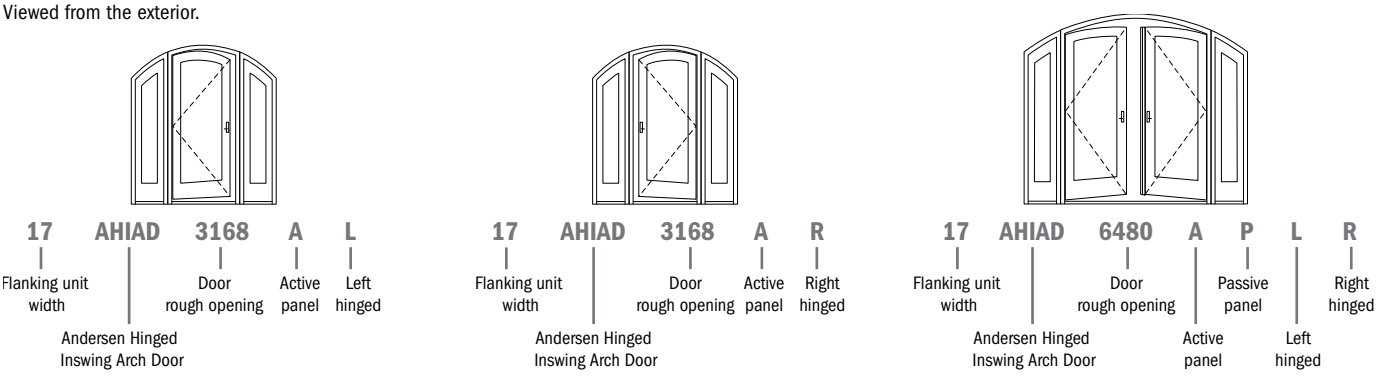
1 **ASLAD**13xx68 **2** **ASLAD**13xx80 **1** **ASLAD**17xx68 **2** **ASLAD**17xx80

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

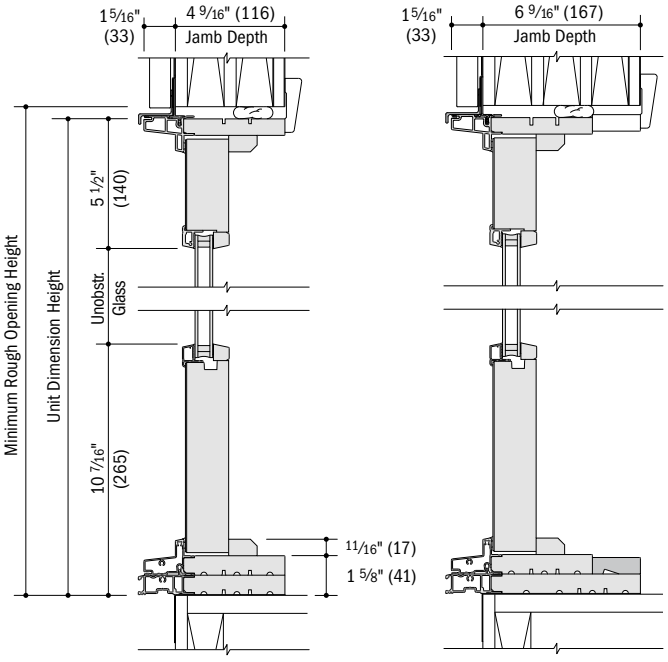
Viewed from the exterior.



Arch inswing patio doors (**AHIAD**) shown above, for arch outswing patio doors use **AOAD**. Outswing patio doors open outward to the exterior.

Complementary Arch Patio Door Sidelight Details

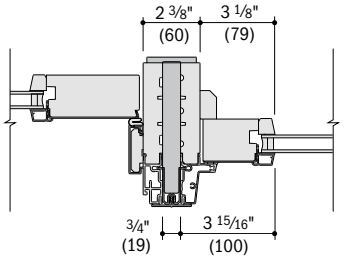
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



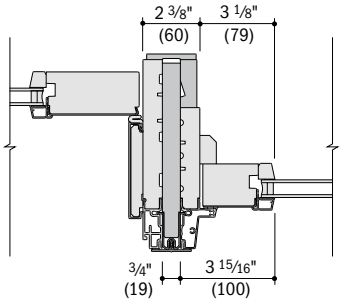
Vertical Sections

Vertical Joining Details

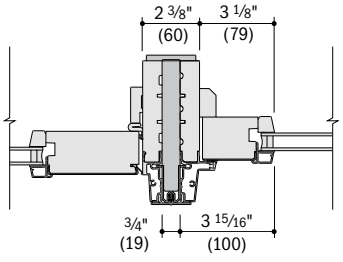
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



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

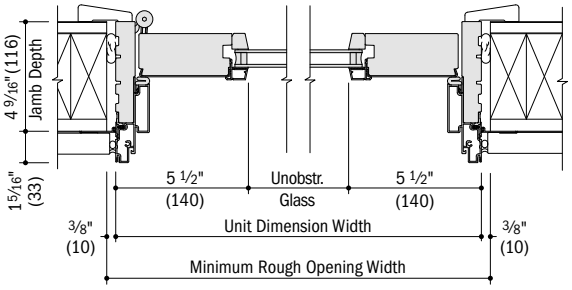


Complementary Arch Outswing Patio Door to Complementary Arch Patio Door Sidelight

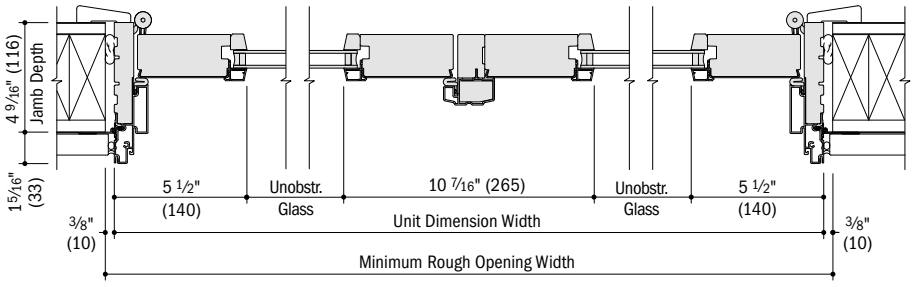
- 4 9/16" (116) and 6 9/16" (167) jamb depth measurements are from back side of installation flange.
- Light-colored areas are parts included with window and/or door. Dark-colored areas are additional Andersen® parts required to complete window and/or door assembly as shown.
- **Rough openings may need 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

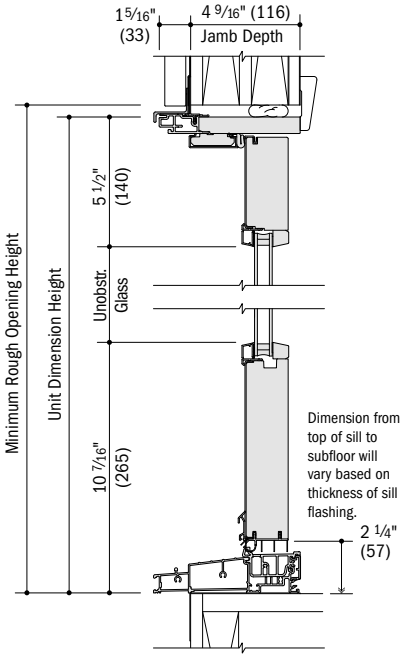
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Horizontal Section



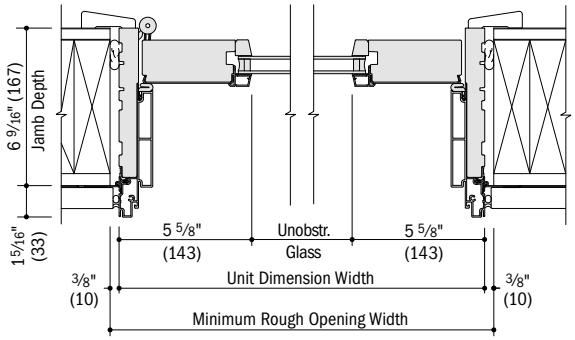
Horizontal Section
Two-Panel



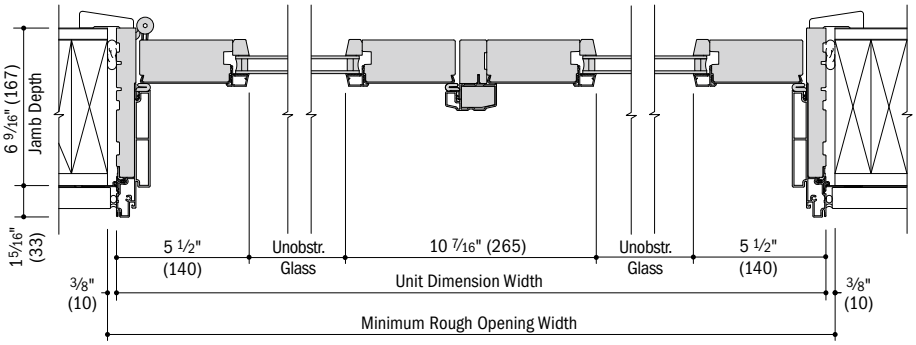
Vertical Section

Complementary Arch Inswing Patio Door Details — 6 9/16" (167) Jamb Depth

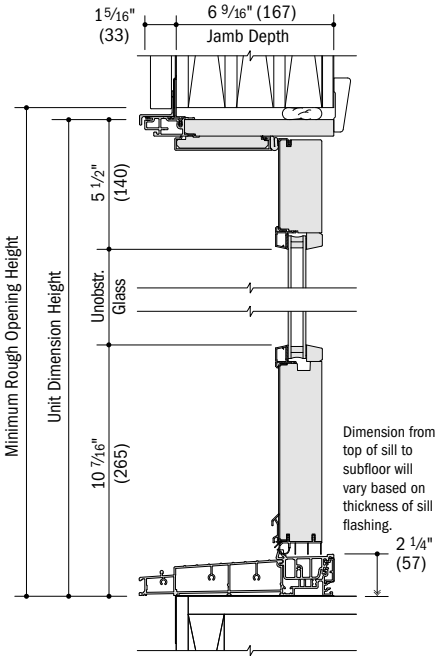
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Horizontal Section



Horizontal Section
Two-Panel



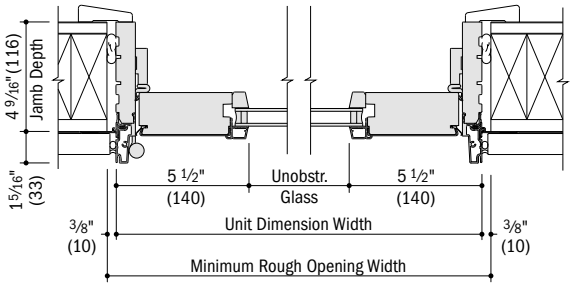
Vertical Section

- 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.

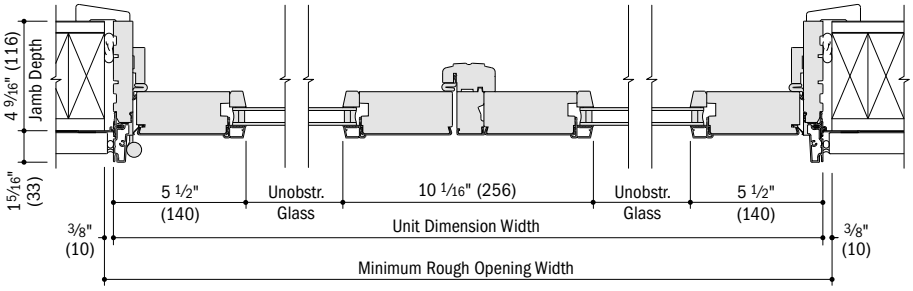
COMPLEMENTARY CURVED TOP PATIO DOORS

Complementary Arch Outswing Patio Door Details — 4 9/16" (116) Jamb Depth

Scale 1 1/2" (38) = 1'-0" (305) — 1:8

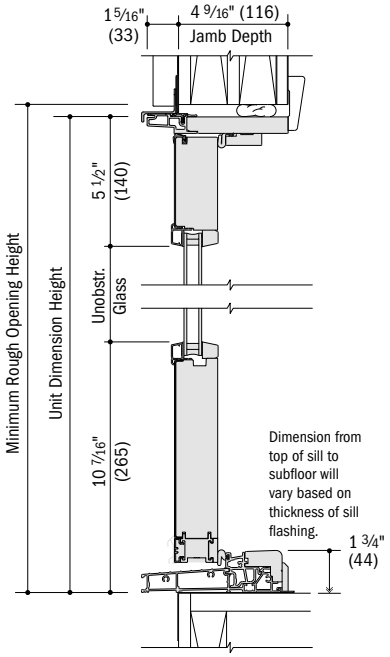


Horizontal Section



Horizontal Section

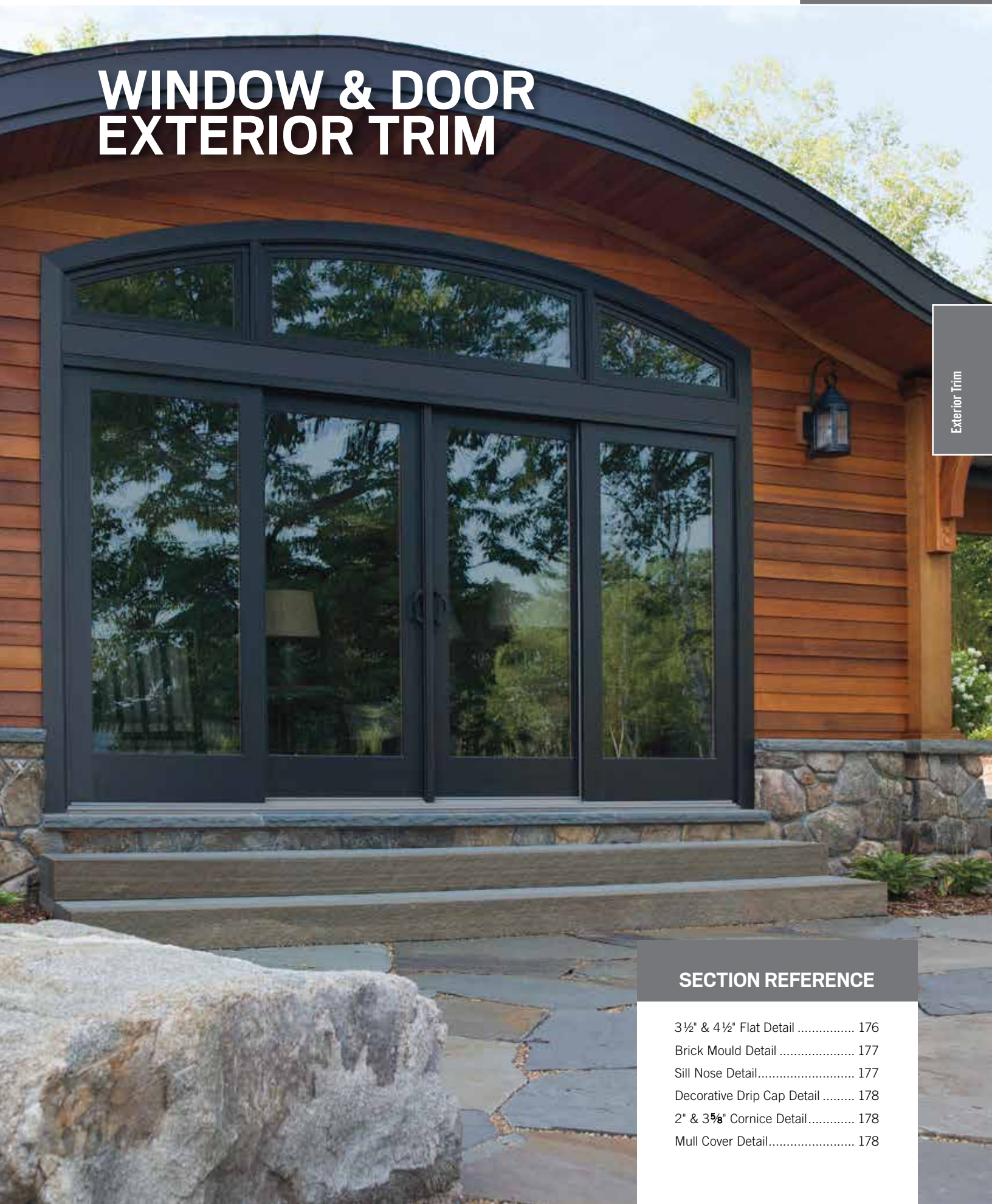
Two-Panel



Vertical Section

- 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



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

Ⓐ For exceptional long-lasting* performance, exterior trim is made from Fibrex® material or high-density urethane with low-maintenance exterior finishes.

Ⓑ Sill nose profile, made from Fibrex material, is available for a traditional look.

Ⓒ Trim is securely fastened to the home using factory-applied or field-applied attachment flange.

Ⓓ Trim surrounds are assembled with corner keys and stainless fasteners for stability and strength.



ENGINEERED WITH FIBREX®

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**.

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 ½" (89) flat, 4 ½" (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 ⅝" (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.

PROFILES



2" (51) Brick Mould
Canvas trim with Sandtone window.



3 ½" (89) or 4 ½" (114) Flat
Shown with extended head. Red Rock trim with Sandtone window.



3 ½" (89) or 4 ½" (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.



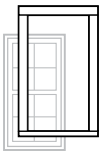
White | Canvas | Sandtone | Terratone | Forest Green | Dark Bronze | Dove Gray | Prairie Grass | Red Rock | Cocoa Bean | Black

* See the A-Series Limited Warranty for exterior trim applied to A-Series products. Visit 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.

Installation Options

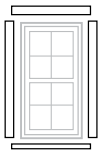
Preassembled Trim Surrounds

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.



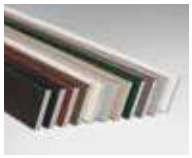
Individual Trim Components

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 ½" (89) wide by ¾" (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 ½" Flat. Forest Green trim with Sandtone window.



2" (51) Cornice
Shown with 3 ½" Flat. Prairie Grass trim with Sandtone window.



3 ⅝" (92) Cornice
Shown with 3 ½" 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.



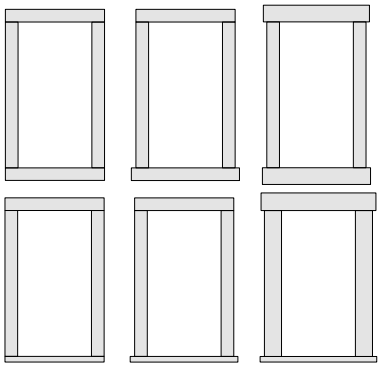
3 ½" (89) or 4 ½" (114) Flat
Shown with extended sill nose. Terratone trim with Red Rock window.



3 ½" (89) 4 ½" (114) Flat
Shown with 3½" Flat. White trim with White window.

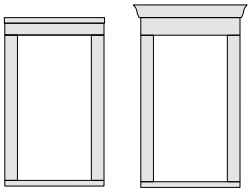
TRIM COMBINATIONS

3 ½" (89) Flat or 4 ½" (114) Flat



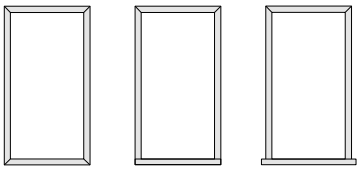
Flat trim can be used on all four sides either flush or extended at the head or sill. Combine 3 ½" (89) and 4 ½" (114) flat trim or use with a flush or extended sill nose.

Decorative Drip Cap and Cornices



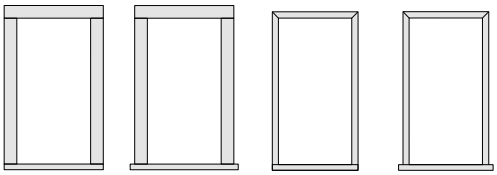
Decorative drip cap or cornices can be used above flat trim at the head.

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.

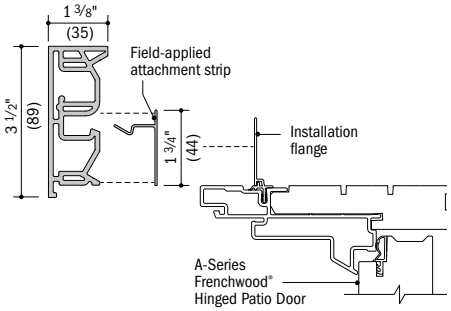
Dimensions in parentheses are in millimeters.
Printing limitations prevent exact duplication of colors.
See your Andersen supplier for actual color samples.

EXTERIOR TRIM

Window and Patio Door Attachment

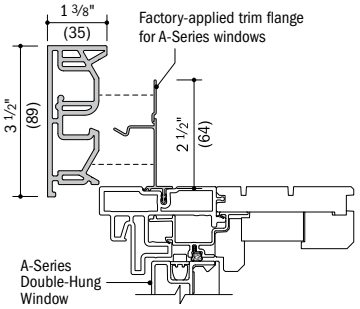
Field-Applied Attachment Strip

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.

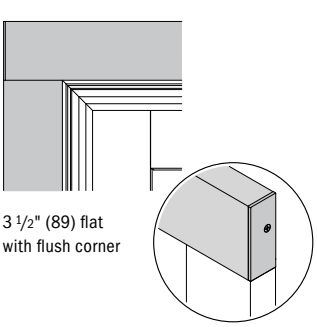


Factory-Applied Trim Flange

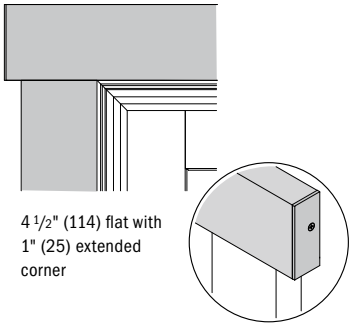
Factory-applied trim flanges are also available. Exterior trim connects securely to the trim flange already in place.



3 1/2" Flat and 4 1/2" Flat

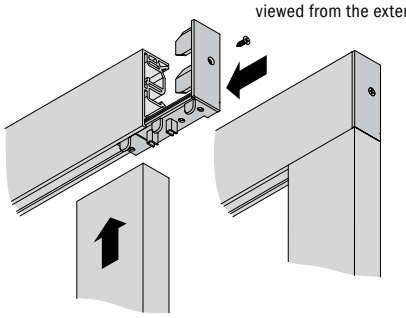


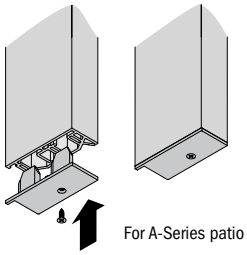
3 1/2" (89) flat with flush corner



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.

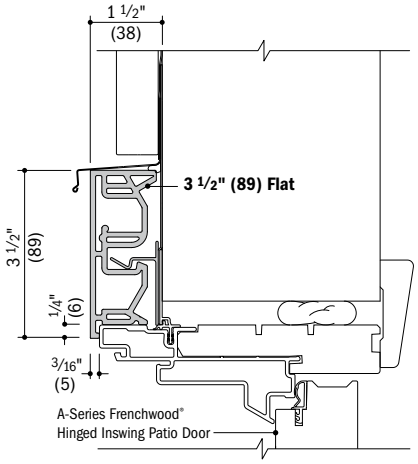
Formula for dimension of window/door plus exterior trim:

Add 4 1/4" (108) per side for 4 1/2" (114) flat

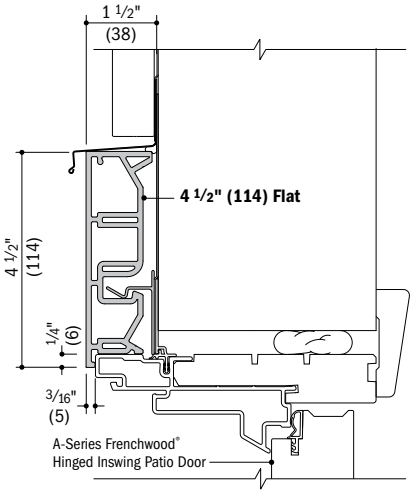
Add 3 1/4" (83) per side for 3 1/2" (89) flat

Trim Details

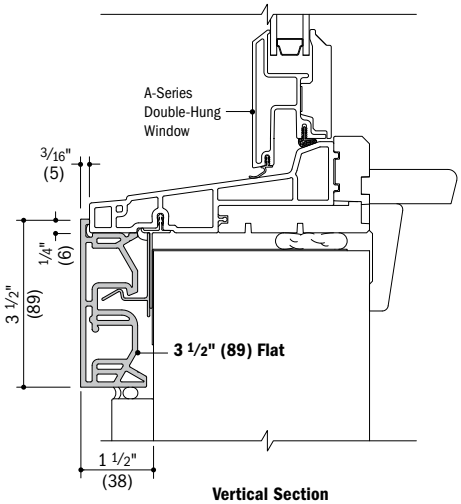
Scale 3" (76) = 1'-0" (305) – 1:4



Vertical Section
3 1/2" (89) Flat Trim at Head
A-Series Frenchwood® Hinged Inswing Patio Door



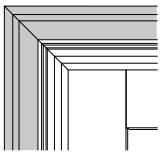
Vertical Section
4 1/2" (114) Flat Trim at Head
A-Series Frenchwood® Hinged Inswing Patio Door



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.

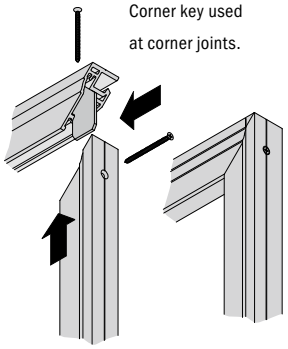
Brick Mould



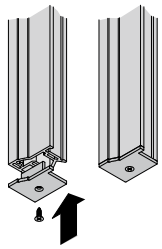
Brick mould with mitered corners

Formula for dimension of window/door plus exterior trim:

Add 1 ¾" (44) per side for brick mould



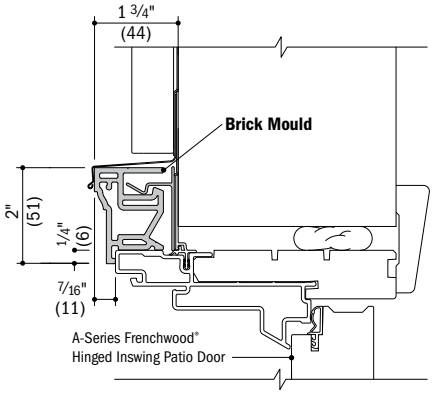
Corner key used at corner joints.



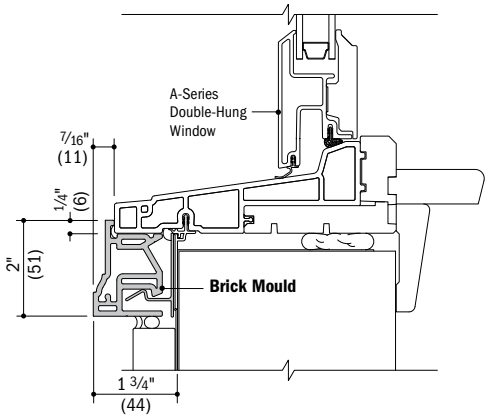
For A-Series patio doors, end caps are used at the sill.

Trim Details

Scale 3" (76) = 1'-0" (305) – 1:4

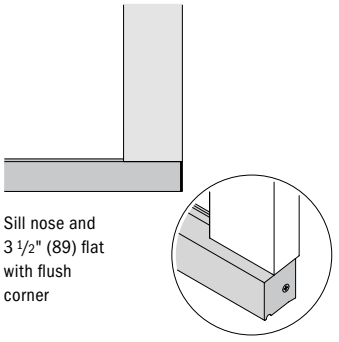


Vertical Section
Brick Mould at Head
A-Series Frenchwood® Hinged Inswing Patio Door

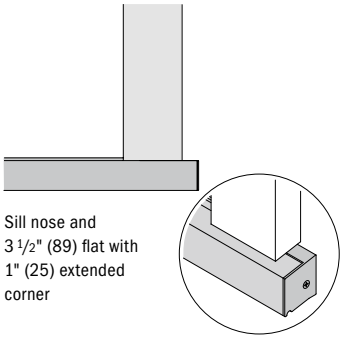


Vertical Section
Brick Mould at Sill
A-Series Double-Hung Window

Sill Nose



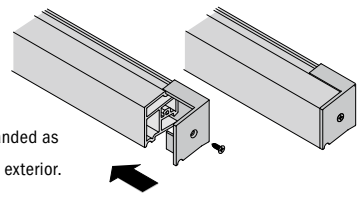
Sill nose and 3 ½" (89) flat with flush corner



Sill nose and 3 ½" (89) flat with 1" (25) extended corner

Formula for dimension of window plus exterior trim:

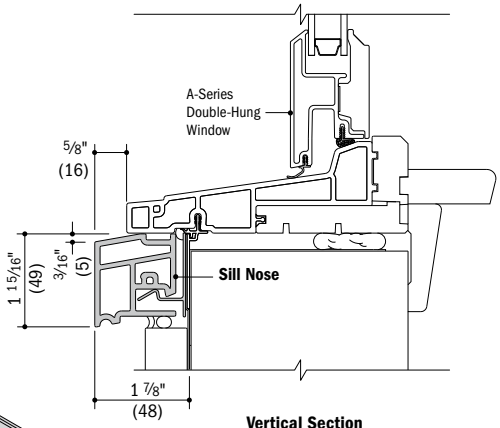
Add 1 15/16" (49) for sill nose



End caps are handed as viewed from the exterior.

Trim Detail

Scale 3" (76) = 1'-0" (305) – 1:4

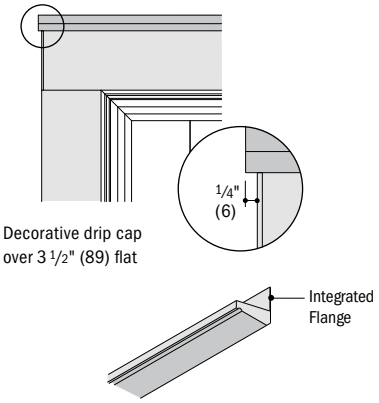


Vertical Section
Sill Nose/A-Series Double-Hung Window

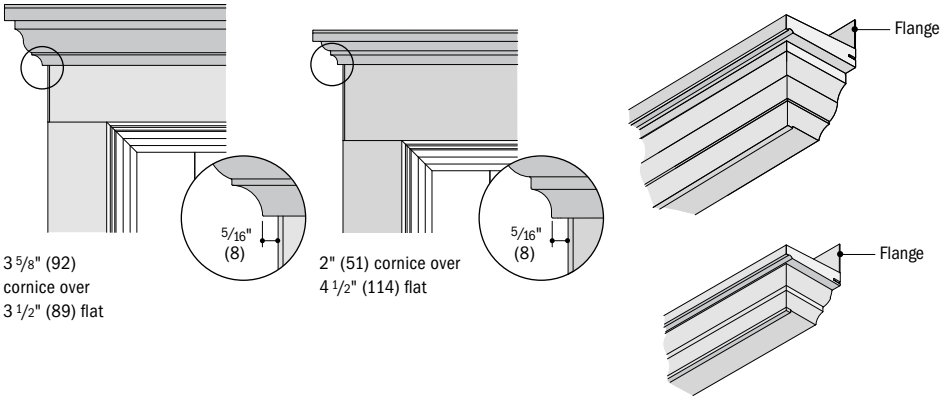
- Typical trim combinations shown. Additional combinations may also be used. Some restrictions apply. For more information contact your Andersen supplier.
- Dimensions in parentheses are in millimeters.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

EXTERIOR TRIM

Decorative Drip Cap

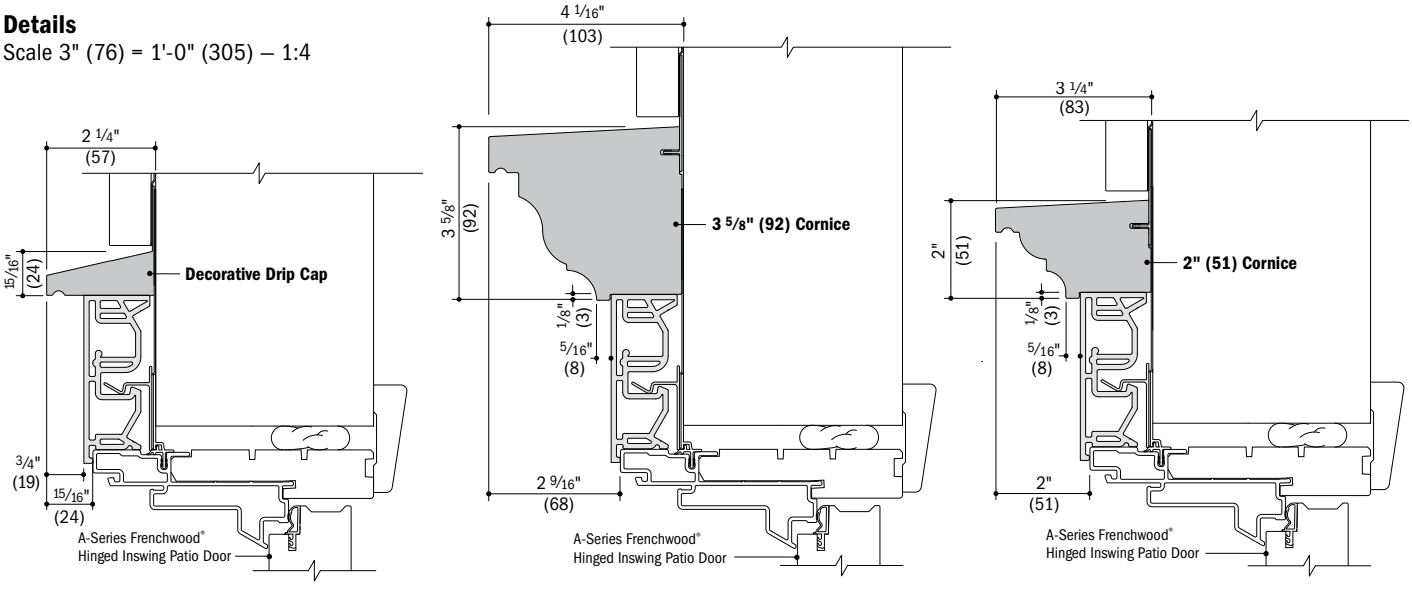


Cornices



Details

Scale 3" (76) = 1'-0" (305) – 1:4



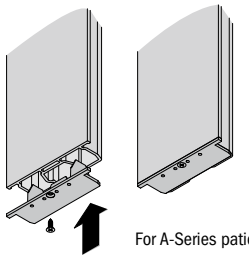
Vertical Section
Decorative Drip Cap over 3 1/2" (89) Flat
A-Series Frenchwood® Hinged Inswing Patio Door

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

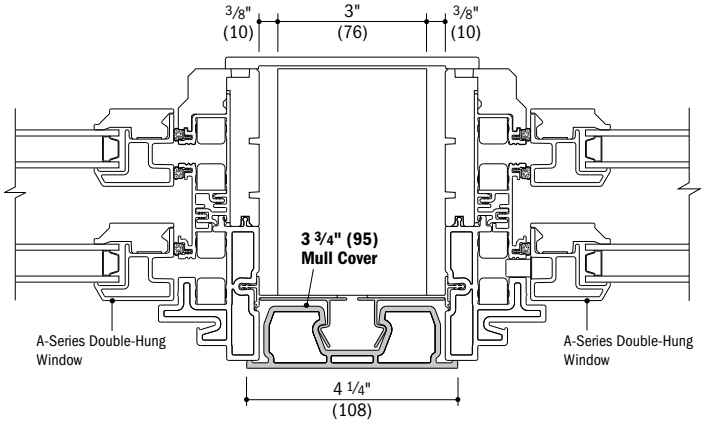
3 3/4" (95) mull cover is available for installations where windows or patio doors have been installed into separate rough openings to obtain a joined appearance.



For A-Series patio doors, end caps are used at the sill.

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.
- Consult with an architect or structural engineer regarding minimum requirements for structural support members between adjacent rough openings.



FOLDING DOORS

CUSTOM SIZING
in ⅛" (3) increments

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.

Colony White, White, Abalone, Balsa White, Canvas, Maple Syrup, Harvest Gold, Prairie Grass, Flagstone, Sandtone, Pebble Tan, Carmel, Terratone, Hot Chocolate

Bourbon, Acorn, Coffee Bean, Cocoa Bean, Sierra Bronze, Dark Bronze, Clay Canyon, Red Rock, Cardinal, Bing Cherry, Fire Engine Red, Cinnamon Toast, Olive, Sage

Billiard Green, Moss, Forest Green, Mallard Green, Spearmint, Aquamarine, Patina, Sky Blue, Country Blue, Blue Denim, Watercolor Blue, Caribbean Blue, Slate, Moody Blue

Stormy Blue, Dove Gray, Harbor Mist, Yorktown Pewter, Smokey Gray, Mystic Gray, Dark Ash, Black

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, Black

HARDWARE FINISHES

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

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.



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



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

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

Ⓐ 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.

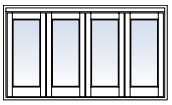
Ⓑ The engineered wood frame members are treated with a water-repellent wood preservative for long-lasting* protection and performance.

Panel

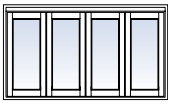
The aluminum-clad panel has a dual weatherstrip design at the bottom and along the panel edges, providing a weathertight seal. Available in traditional style with two bottom rail heights of 8" (203) and 12" (305) and a contemporary style with 4 $^{11}/_{16}$" (119) stiles and rails.

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:

Ⓒ 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.

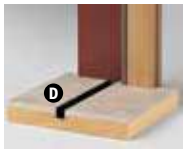
Ⓓ The flush sill option places the track even with the finished floor.

Ⓔ 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

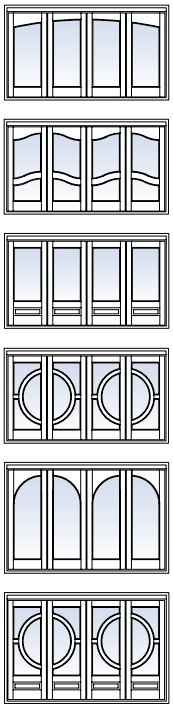
Extension Jambs

Standard jamb depth is 6 $^{9}/_{16}$" (167). Interior extension jambs 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 for details.

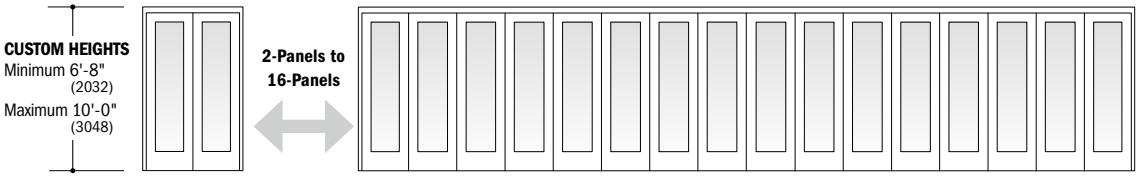
** Custom panels utilize a different product design that includes the use of a proud glazing bead.

Dimensions in parentheses are in millimeters

FOLDING DOORS

Folding Door Styles and Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96





Custom 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.

CUSTOM WIDTHS

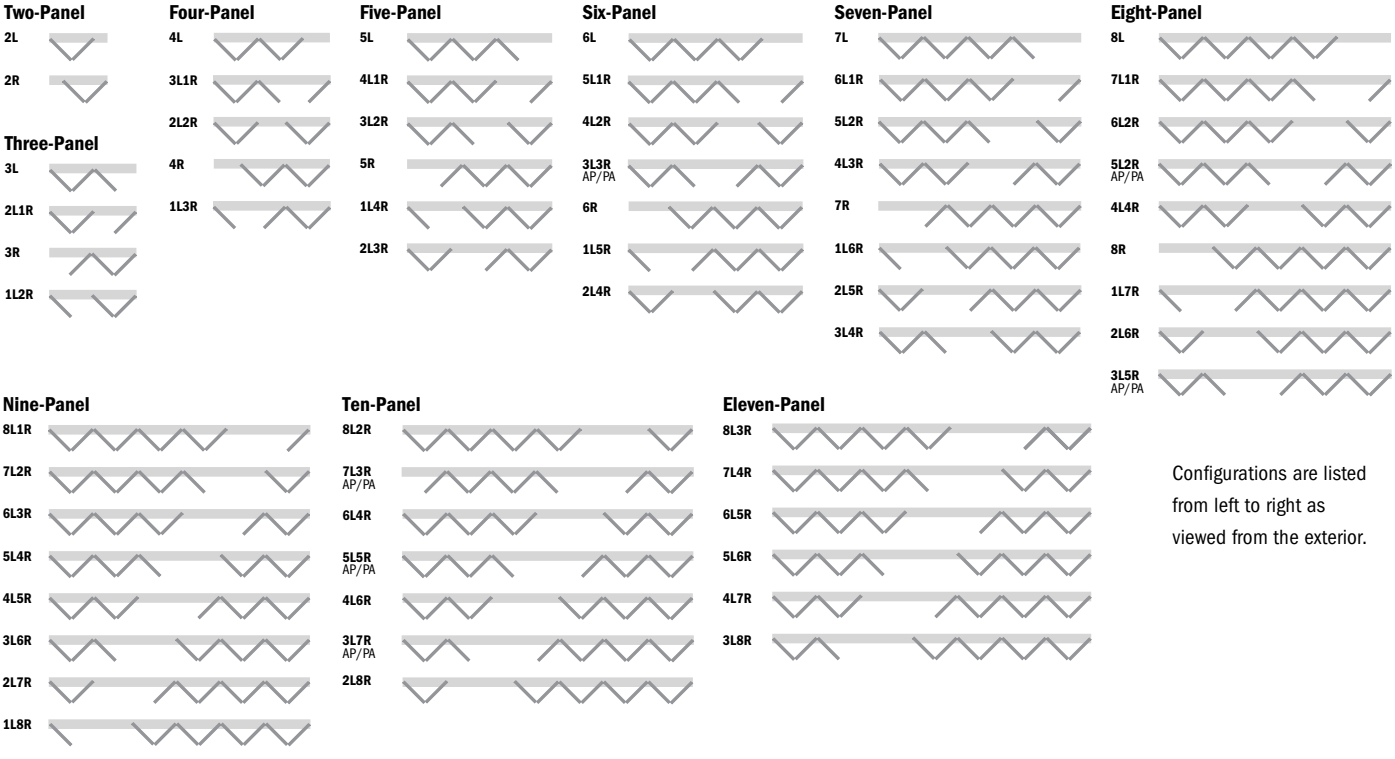
Number of Panels	Minimum to Maximum
2-Panel	3'-2 1/4" (972) to 6'-8 1/8" (2035)
3-Panel	4'-8 5/8" (1438) to 9'-11 1/4" (3029)
4-Panel	6'-3 7/8" (1927) to 13'-2 1/4" (4020)
5-Panel	7'-9" (2362) to 16'-5 5/8" (5020)
6-Panel	9'-9 1/8" (2975) to 19'-8 3/4" (6013)

Number of Panels	Minimum to Maximum
7-Panel	10'-9 1/4" (3283) to 22'-11 7/8" (7007)
8-Panel	12'-4 1/2" (3772) to 26'-3 1/8" (8004)
9-Panel	13'-9 5/8" (4207) to 29'-6 1/2" (9004)
10-Panel	15'-4 3/4" (4693) to 32'-9 7/8" (10004)
11-Panel	16'-9 7/8" (5128) to 36'-0 3/4" (10992)

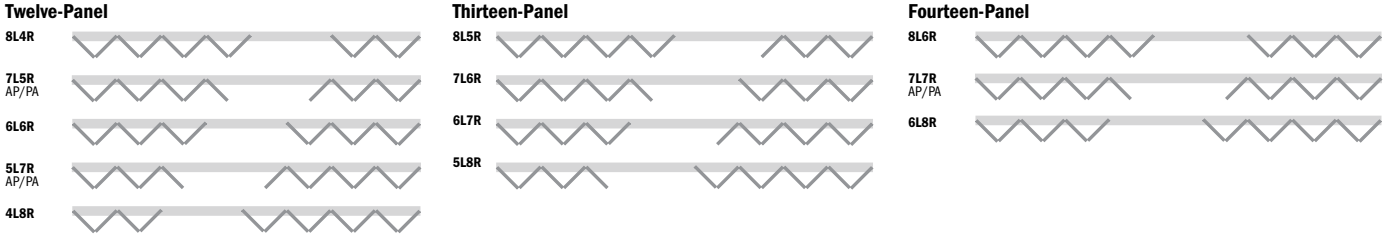
Number of Panels	Minimum to Maximum
12-Panel	18'-5 1/8" (5617) to 39'-4 1/8" (11992)
13-Panel	19'-10 1/4" (6052) to 42'-7 1/8" (12983)
14-Panel	21'-5 3/8" (6537) to 45'-10 1/2" (13983)
15-Panel	22'-10 1/4" (6966) to 48'-0" (14630)
16-Panel	24'-4 7/8" (7439) to 48'-0" (14630)

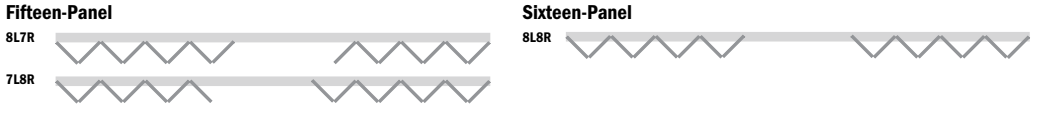
- "Minimum to Maximum" door width dimensions refers to frame to frame dimension.
- Dimensions in parentheses are in millimeters.

Panel Configurations



Configurations are listed from left to right as viewed from the exterior.





Design Criteria

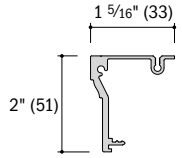
To allow for proper performance and operation, verify the structural integrity of the header such that the maximum deflection with live and dead loads is limited to the lesser of L/750 of the span and 1/4" (6). The maximum weight per panel with Low-E4®, SmartSun™ or Sun glass is 200 pounds or 90 kg. Weights using alternate glazings will need to be provided by Andersen.

Construction

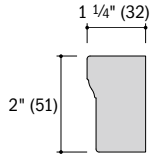
The standard construction of the folding door is an aluminum clad exterior with a rich wood interior. Clad folding door details are shown. Wood folding doors are also available, visit **andersenwindows.com/foldingdoors** for more information.

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

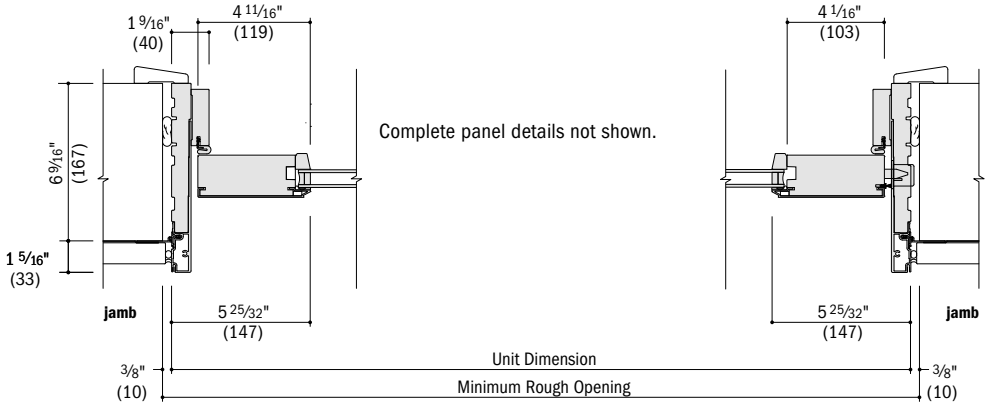


Wood Brick Mould
Wood Folding Doors

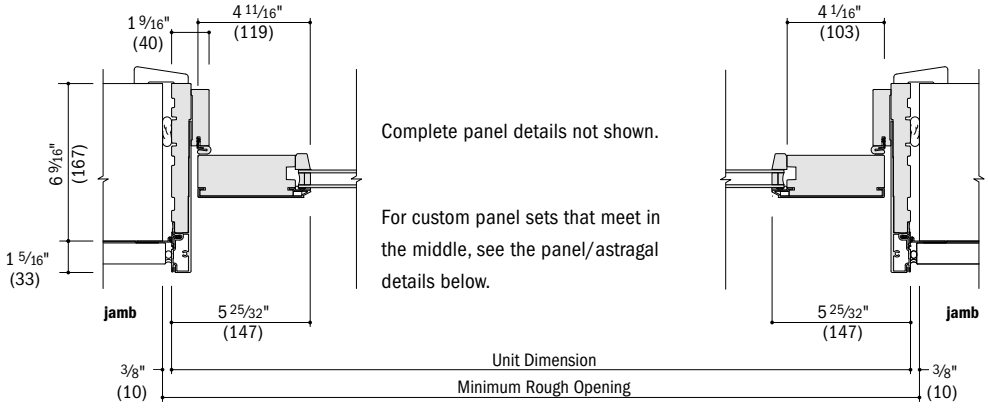
- 6 9/16" (167) jamb depth measurement is from backside of installation flange to inside edge of door frame.
- Light-colored areas are included with the door unit. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown and must be specified.
- **Rough openings may 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.

Folding Doors – Traditional/Contemporary Panel Details

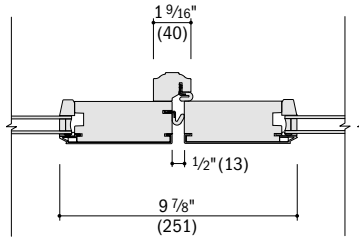
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



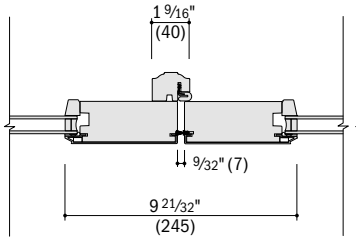
Horizontal Section
Stationary Jamb/Operating Jamb



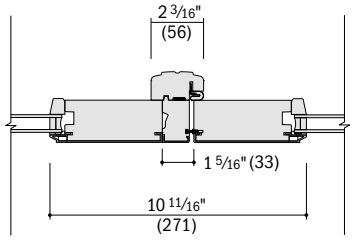
Horizontal Section
Stationary Jamb/Stationary Jamb



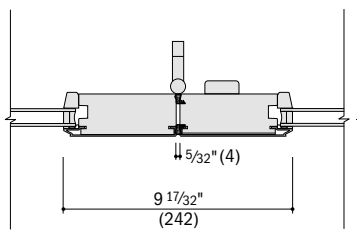
Horizontal Section
Astragal, Leading/Leading



Horizontal Section
Astragal, Leading/Active



Horizontal Section
Astragal, Passive/Active

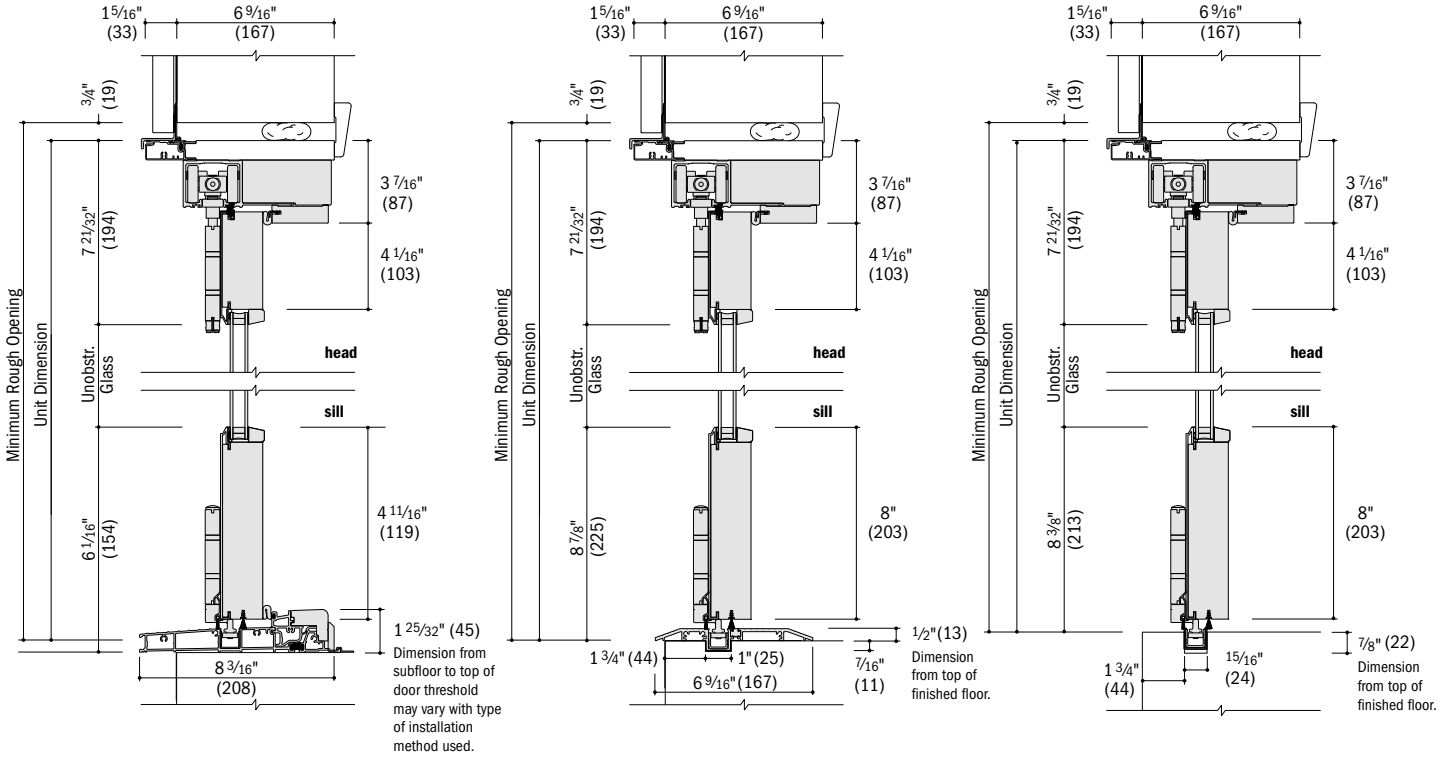


Horizontal Section
Hinge

FOLDING DOORS

Folding Doors – Traditional Panel Details

Scale 1½" (38) = 1'-0" (305) – 1:8



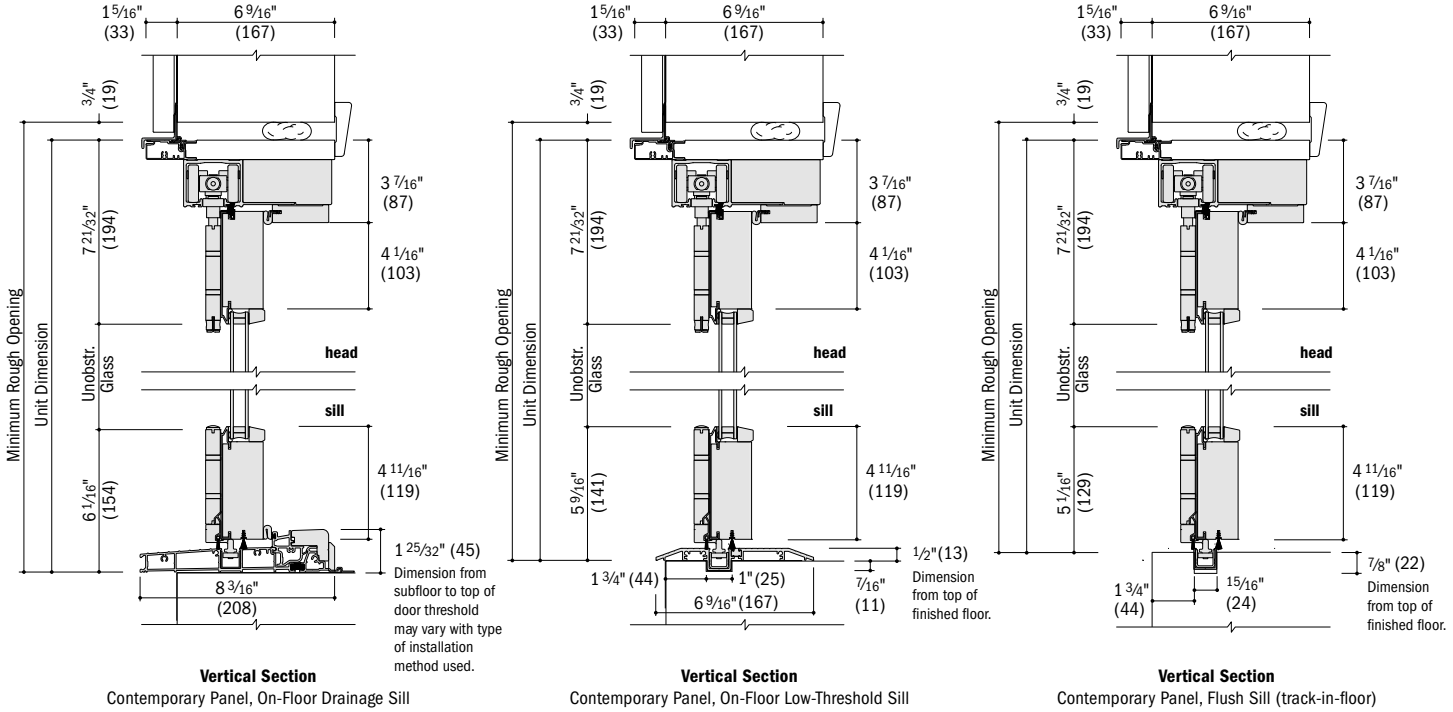
Vertical Section
Traditional Panel, On-Floor Drainage Sill

Vertical Section
Traditional Panel, On-Floor Low-Threshold Sill

Vertical Section
Traditional Panel, Flush Sill (track-in-floor)

Folding Doors – Contemporary Panel Details

Scale 1½" (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.

ENTRANCEWAYS



CUSTOM SIZING
in ⅛" (3) increments

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

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Transom Details & Joining Details 199-200

Commercial Outswing Entry Doors 201

Door & Sidelight Dimensions & Specifications 202-203

Door & Sidelight Details..... 205

Product Performance..... 206

Dimensions in parentheses are in millimeters.

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 ½" (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.

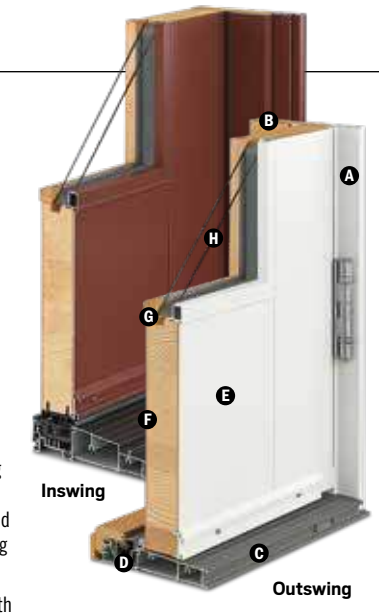
D One-piece compression weatherstripping at the frame sides and head protects against air and water infiltration. Flexible thermoplastic sweep is featured at the bottom of the panel on inswing units. Outswing doors also feature a polypropylene rain skirt at the panel sides and top for added protection.

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**.



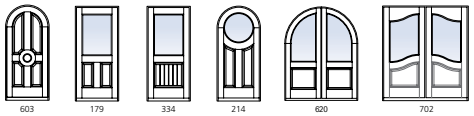
F Panel interior surfaces are unfinished wood veneers. Available species are pine, maple, oak, alder, cherry, mahogany,** hickory, walnut, along with mixed and vertical grain douglas fir. Available prefinished in all interior color options.

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 Jambs

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 jambs 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 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

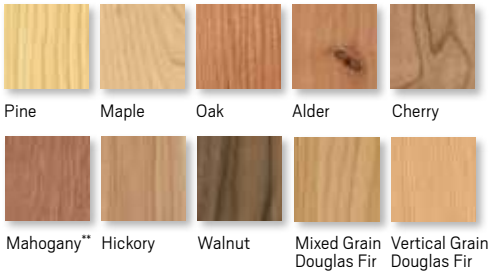
Grilles are available in a variety of configurations and widths. Decorative insulated art glass designs are available.

EXTERIOR CLAD Custom colors available.



EXTERIOR/INTERIOR

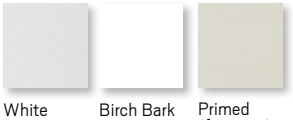
WOOD SPECIES Additional wood species available.



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.



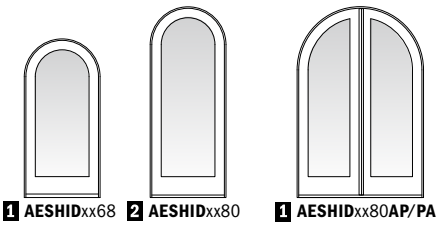
Canvas, Sandtone, Terratone, Forest Green, Dark Bronze, Dove Gray, Prairie Grass, Red Rock, Cocoa Bean and Black painted options are also available (colors shown to left).

* Visit andersenwindows.com/warranty 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 AESHID**xx80 **1 AESHID**xx80**AP/PA**

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

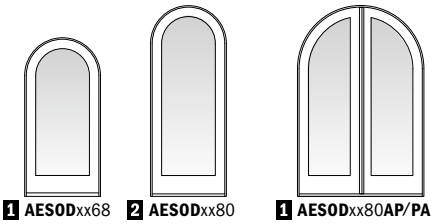
Available in custom designed panels, see page 186. Stationary doors are also available (i.e. **AESHID**3080**S** or **AESHID**4080**SS**).

Springline™ Inswing Entry Door Dimensions and Specifications

Door Number	Number of Panels Open*	Door Dimensions				Min. Rough Opening		Clear Opening Area Sq. Ft./(m²)	Clear Opening Maximums			Vent Area Sq. Ft./(m²)	Overall Door Area Sq. Ft./(m²)
		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 AESOD**xx80 **1 AESOD**xx80**AP/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. **AESOD**3080**S** or **AESOD**4080**SS**).

Springline™ Outswing Entry Door Dimensions and Specifications

Door Number	Number of Panels Open*	Door Dimensions				Min. Rough Opening		Clear Opening Area Sq. Ft./(m²)	Clear Opening Maximums			Vent Area Sq. Ft./(m²)	Overall Door Area Sq. Ft./(m²)
		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)

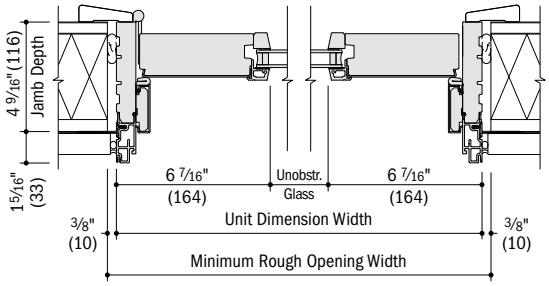
- "Door Dimension" always refers to outside frame to frame dimension.
- "**Minimum Rough Opening**" **dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.**
- Dimensions in parentheses are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

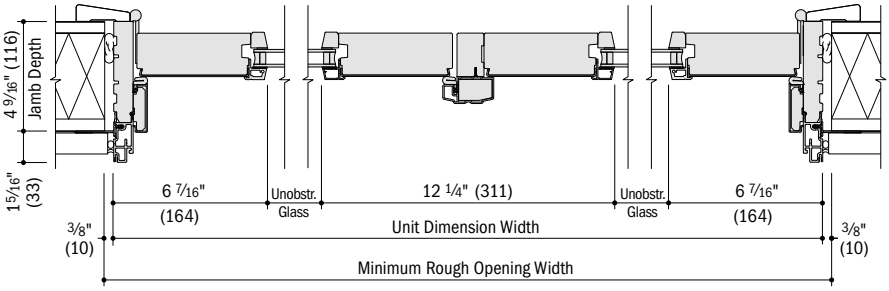
RESIDENTIAL ENTRY DOORS

Springline™ Inswing Entry Door Details — 4 9/16" (116) Jamb Depth

Scale 1 1/2" (38) = 1'-0" (305) — 1:8

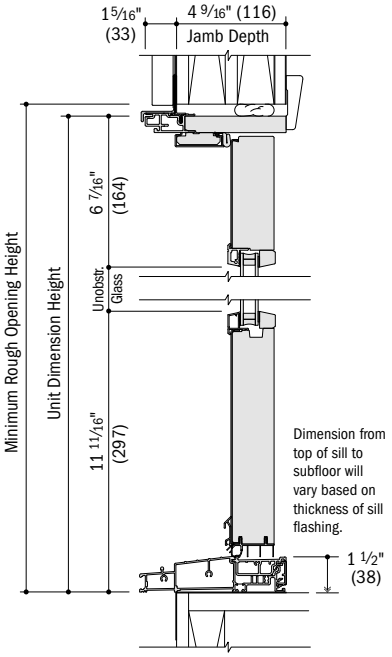


Horizontal Section



Horizontal Section

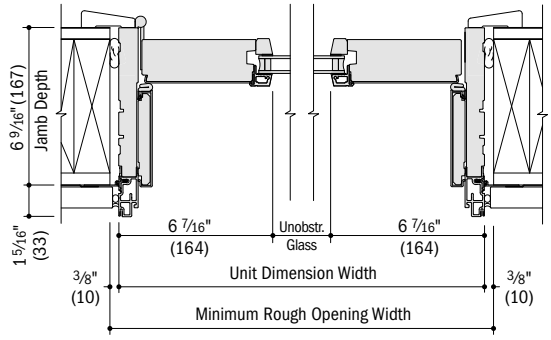
Two-Panel



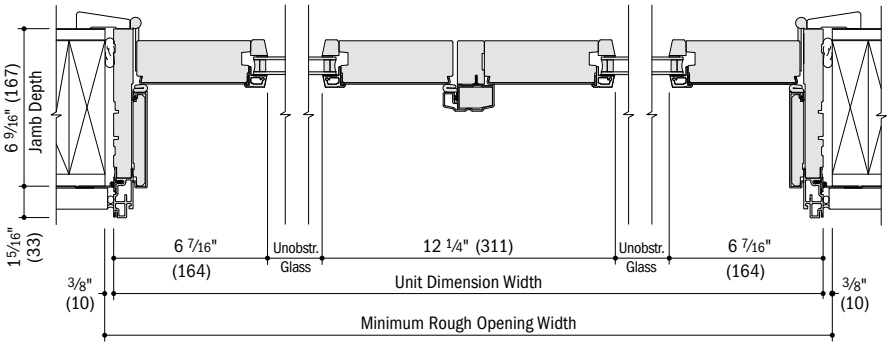
Vertical Section

Springline™ Inswing Entry Door Details — 6 9/16" (167) Jamb Depth

Scale 1 1/2" (38) = 1'-0" (305) — 1:8

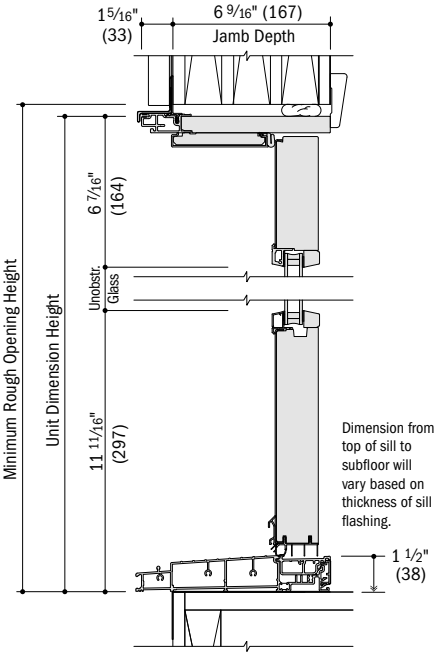


Horizontal Section



Horizontal Section

Two-Panel

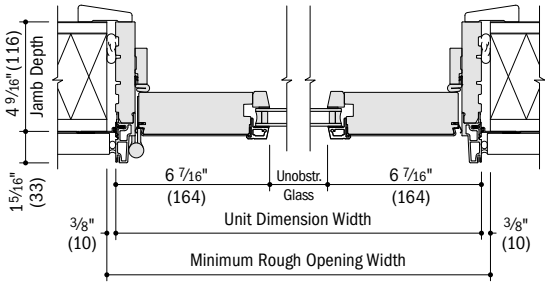


Vertical Section

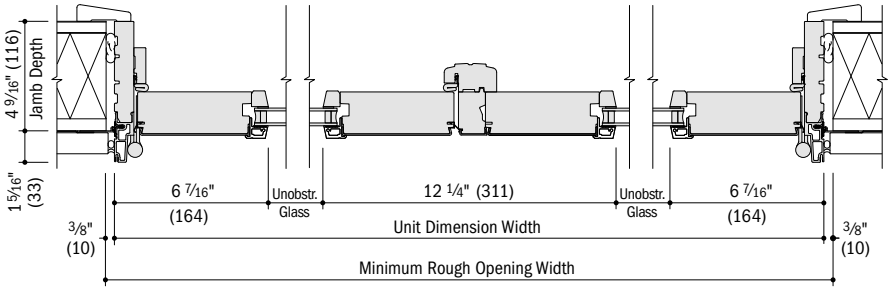
- 4 9/16" (116) and 6 9/16" (167) jamb depth measurements are from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- **Rough openings may need to be increased to allow 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

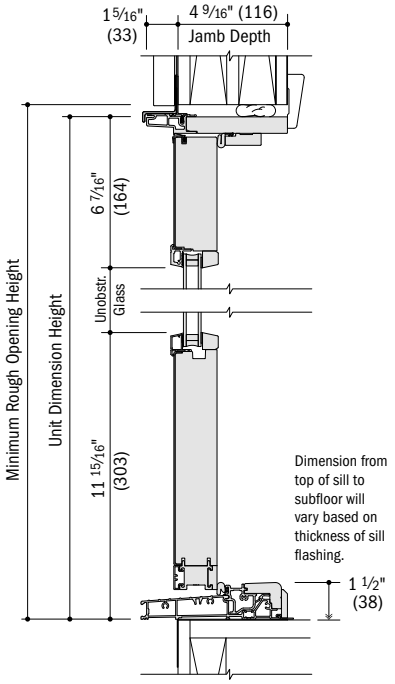
Scale 1 1/2" (38) = 1'-0" (305) — 1:8



Horizontal Section



Horizontal Section
Two-Panel



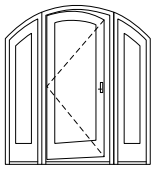
Vertical Section

- 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

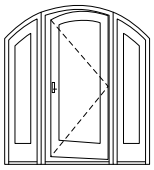
Order Designation Description

Viewed from the exterior.



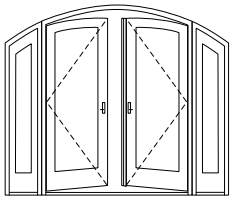
17 **AEAHID** **3168** **A** **L**

- **17** — Flanking unit width
- **AEAHID** — Andersen Entry Arch Hinged Inswing Door
- **3168** — Door rough opening
- **A** — Active panel
- **L** — Left hinged



17 **AEAHID** **3168** **A** **R**

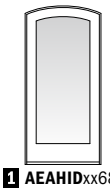
- **17** — Flanking unit width
- **AEAHID** — Andersen Entry Arch Hinged Inswing Door
- **3168** — Door rough opening
- **A** — Active panel
- **R** — Right hinged



17 **AEAHID** **6480** **A** **P** **L** **R**

- **17** — Flanking unit width
- **AEAHID** — Andersen Entry Arch Hinged Inswing Door
- **6480** — Door rough opening
- **A** — Active panel
- **P** — Passive panel
- **L** — Left hinged
- **R** — Right hinged

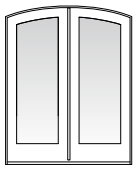
Arch inswing entry doors (**AEAHID**) shown above, for outswing arch entry doors use **AEAOD**. Outswing entry doors open outward to the exterior.



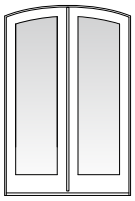
1 **AEAHID**xx68



2 **AEAHID**xx80



1 **AEAHID**xx68**AP/PA**



2 **AEAHID**xx80**AP/PA**



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

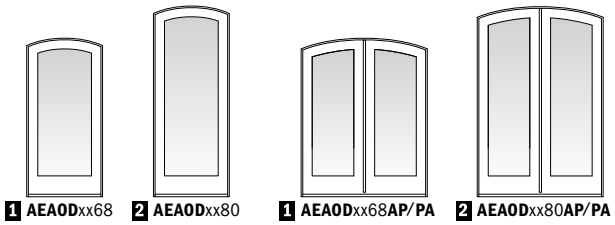
Available in custom designed panels, see page 186. Stationary doors are also available (i.e. **AEAHID**2068**S** or **AEAHID**4068**SS**).

Arch Inswing Entry Door Dimensions and Specifications

Door Number	Number of Panels Open*	Door Dimensions				Min. Rough Opening		Clear Opening Area Sq. Ft./(m²)	Clear Opening Maximums			Vent Area Sq. Ft./(m²)	Overall Door Area Sq. Ft./(m²)
		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 3/8" (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 7/16" (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 3/16" (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.



1 **AEAOD**xx68 **2** **AEAOD**xx80 **1** **AEAOD**xx68**AP/PA** **2** **AEAOD**xx80**AP/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. **AEAOD**2068**S** or **AEAOD**4068**SS**).

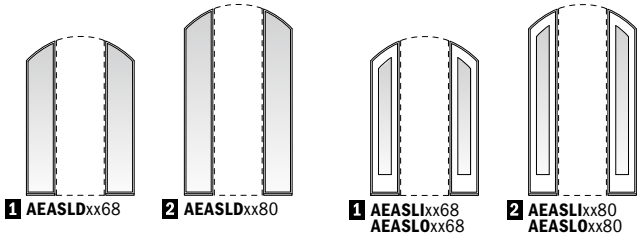
Arch Outswing Entry Door Dimensions and Specifications

Door Number	Number of Panels Open*	Door Dimensions				Min. Rough Opening		Clear Opening Area Sq. Ft./(m²)	Clear Opening Maximums			Vent Area Sq. Ft./(m²)	Overall Door Area Sq. Ft./(m²)
		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 11/16" (2024)	25 11/16" (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 5/16" (2015)	31 11/16" (805)	82" (2083)	32 3/16" (818)	82 1/2" (2096)	15.50 (1.44)	27 1/8" (689)	29 1/16" (738)	76 13/16" (1951)	15.82 (1.47)	17.85 (1.66)
AEAOD2868	1	48" (1219)	78 15/16" (2005)	33 11/16" (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 11/16" (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 11/16" (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 11/16" (2354)	25 11/16" (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 5/16" (2345)	31 11/16" (805)	95" (2413)	32 3/16" (818)	95 1/2" (2426)	15.50 (1.44)	27 1/8" (689)	29 1/16" (738)	76 13/16" (1951)	18.45 (1.71)	20.71 (1.92)
AEAOD2880	1	48" (1219)	91 15/16" (2335)	33 11/16" (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 11/16" (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 11/16" (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 7/16" (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 7/16" (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 7/16" (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 7/16" (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 5/16" (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 5/16" (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



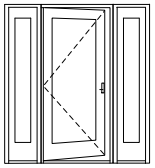
1 **AEASLD**xx68 **2** **AEASLD**xx80 **1** **AEASLI**xx68 **AEASLO**xx68 **2** **AEASLI**xx80 **AEASLO**xx80

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 ENTRY DOORS

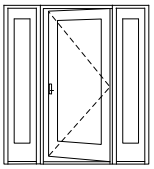
Order Designation Description

Viewed from the exterior.



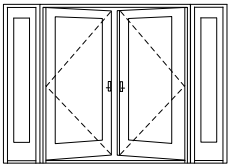
17 **AEHID** **3168** **A** **L**

- 17 — Flanking unit width
- AEHID — Andersen Entry Hinged Inswing Door
- 3168 — Door rough opening
- A — Active panel
- L — Left hinged



17 **AEHID** **3168** **A** **R**

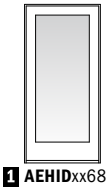
- 17 — Flanking unit width
- AEHID — Andersen Entry Hinged Inswing Door
- 3168 — Door rough opening
- A — Active panel
- R — Right hinged



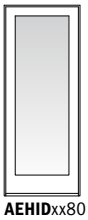
17 **AEHID** **6480** **A** **P** **L** **R**

- 17 — Flanking unit width
- AEHID — Andersen Entry Hinged Inswing Door
- 6480 — Door rough opening
- A — Active panel
- P — Passive panel
- L — Left hinged
- R — Right hinged

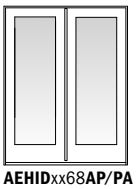
Inswing entry doors (**AEHID**) shown above, for outswing entry doors use **AEOD**. Outswing entry doors open outward to the exterior.



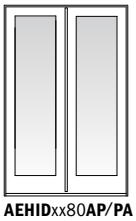
1 **AEHID**xx68



2 **AEHID**xx80



1 **AEHID**xx68**AP/PA**



2 **AEHID**xx80**AP/PA**



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

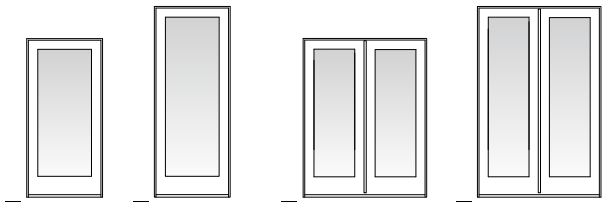
Available in custom designed panels, see page 186. Stationary doors are also available (i.e. **AEHID**2068**S** or **AEHID**4068**SS**).

Rectangular Inswing Entry Door Dimensions and Specifications

Door Number	Number of Panels Open*	Min. Rough Opening				Clear Opening Sq. Ft./(m²)	Clear Opening Maximums			Vent Sq. Ft./(m²)	Overall Door Area Sq. Ft./(m²)
		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 7/8" (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 7/8" (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 7/8" (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.



1 **AEOD**xx68 **2** **AEOD**xx80 **1** **AEOD**xx68**AP/PA** **2** **AEOD**xx80**AP/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. **AEOD**2068**S** or **AEOD**4068**SS**).

Rectangular Outswing Entry Door Dimensions and Specifications

Door Number	Number of Panels Open*	Width Inches/(mm)	Height Inches/(mm)	Min. Rough Opening Width Inches/(mm)	Min. Rough Opening Height Inches/(mm)	Clear Opening Sq. Ft./(m²)	Clear Opening Maximums 90° Width Inches/(mm)	Clear Opening Maximums Full Width Inches/(mm)	Clear Opening Maximums Height Inches/(mm)	Vent Sq. Ft./(m²)	Overall Door Area Sq. Ft./(m²)
AEOD2068	1	25 11/16" (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 11/16" (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 11/16" (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 11/16" (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 11/16" (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 11/16" (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 11/16" (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 11/16" (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 11/16" (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 11/16" (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.

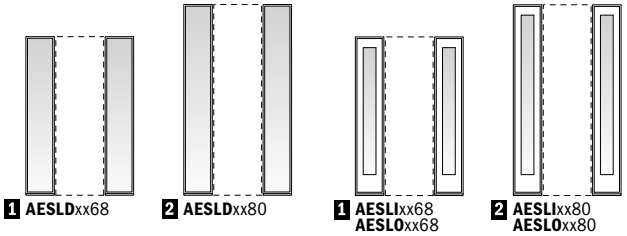
*For two-panel patio doors with one panel open, clear opening is based on active panel being open and passive panel being closed.

Direct-Set Rectangular Entry Door Sidelight Dimensions and Specifications

Sidelight Number	Sidelight Dimensions Width Inches/(mm)	Sidelight Dimensions Height Inches/(mm)	Min. Rough Opening Width Inches/(mm)	Min. Rough Opening Height Inches/(mm)	Glass Area Sq. Ft./(m²)	Overall Sidelight Area Sq. Ft./(m²)
AESLD0868	9 15/16" (252)	82" (2083)	10 7/16" (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 11/16" (652)	82" (2083)	26 3/16" (665)	82 1/2" (2096)	12.32 (1.14)	14.63 (1.36)
AESLD3068	37 11/16" (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 7/16" (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 11/16" (652)	95" (2413)	26 3/16" (665)	95 1/2" (2426)	14.37 (1.33)	16.95 (1.57)
AESLD3080	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 & Sash-Set Rectangular Entry Door Sidelights

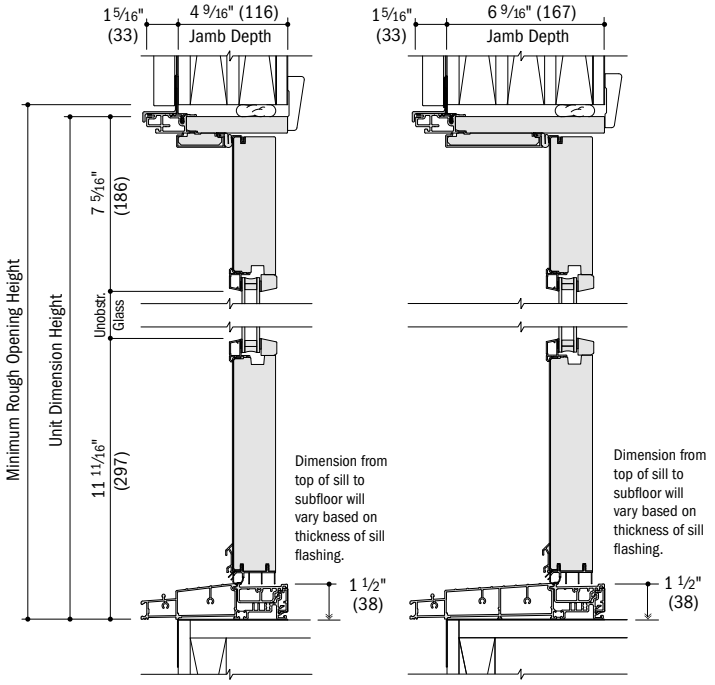


1 **AESLD**xx68 **2** **AESLD**xx80 **1** **AESLI**xx68 **AESLO**xx68 **2** **AESLI**xx80 **AESLO**xx80

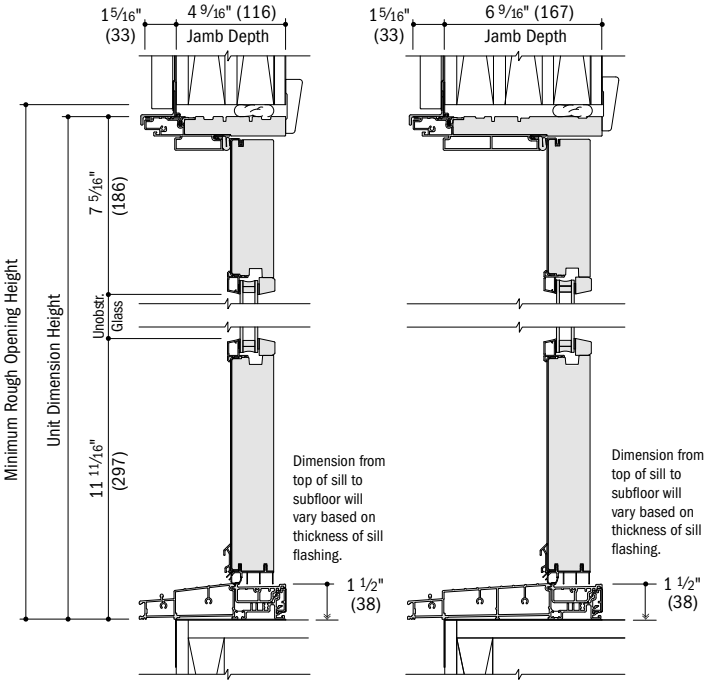
Direct-set (**AESLD**), sash-set inswing (**AESLI**) and sash-set outswing (**AESLO**) entry door sidelights shown. Dimensions and specifications shown for direct-set sidelights, contact your Andersen supplier for sash-set sidelight dimensions and specifications.

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



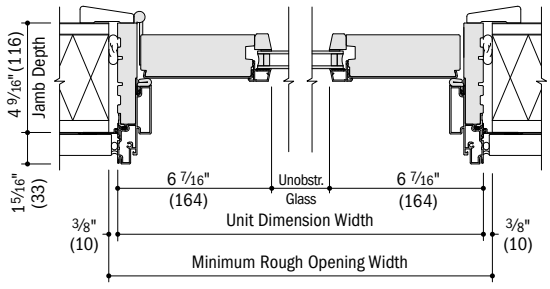
Vertical Section
Arch



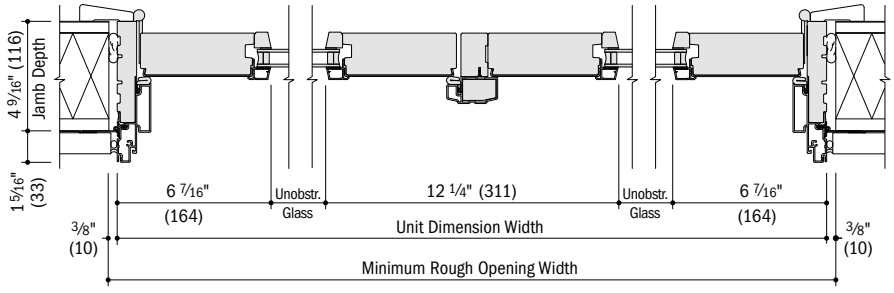
Vertical Section
Rectangular

Arch and Rectangular Inswing Entry Door Details — 4 9/16" (116) Jamb Depth

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Horizontal Section

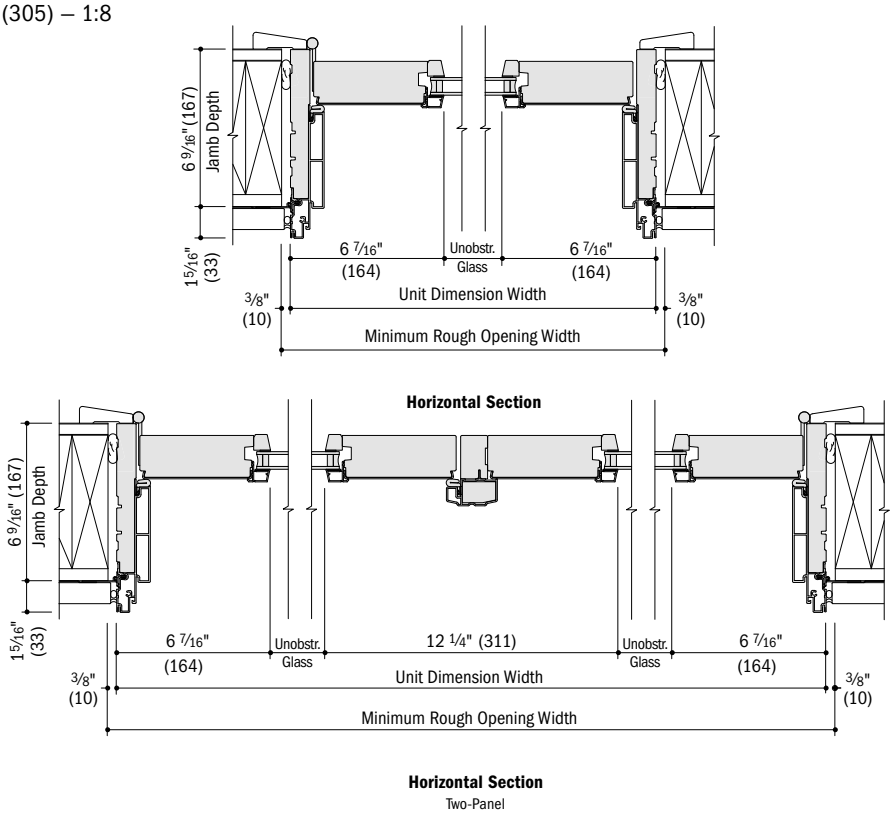


Horizontal Section
Two-Panel

- 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

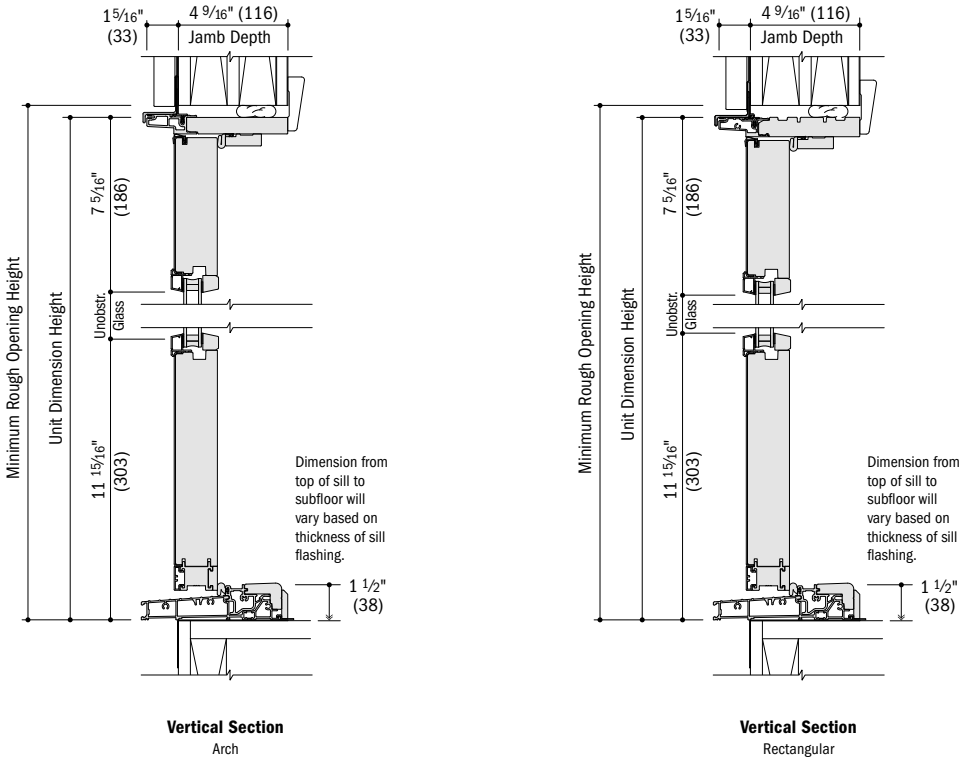
Scale 1 1/2" (38) = 1'-0" (305) — 1:8



Horizontal Section
Two-Panel

Arch and Rectangular Outswing Entry Door Details

Scale 1 1/2" (38) = 1'-0" (305) — 1:8

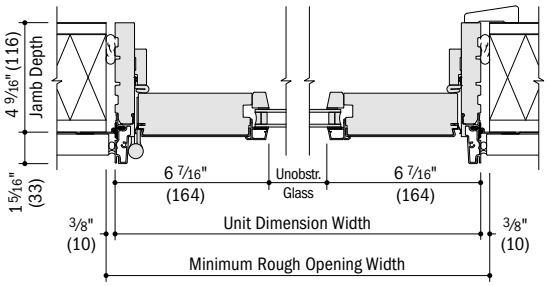


- 4 9/16" (116) and 6 9/16" (167) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with window and/or door. Dark-colored areas are additional Andersen® parts required to complete window and/or door assembly as shown.
- **Rough openings may need 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.

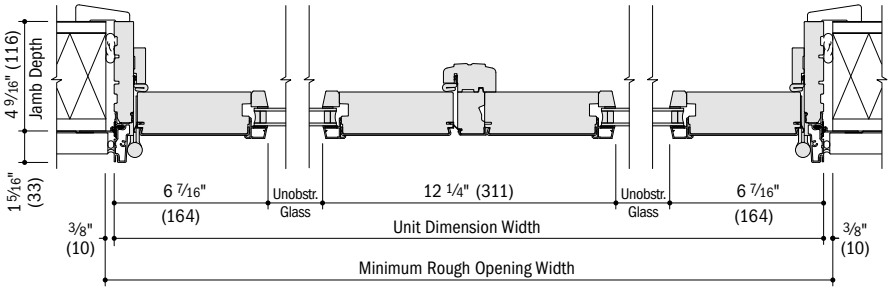
RESIDENTIAL ENTRY DOORS

Arch and Rectangular Outswing Entry Door Details

Scale 1½" (38) = 1'-0" (305) – 1:8



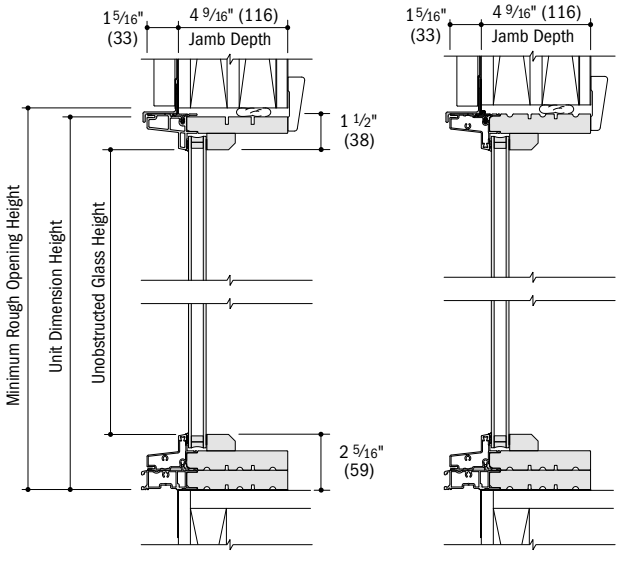
Horizontal Section



Horizontal Section
Two-Panel

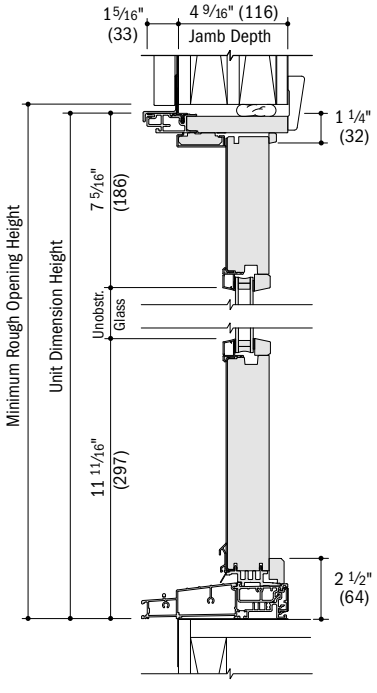
Arch and Rectangular Entry Door Sidelight Details

Scale 1½" (38) = 1'-0" (305) – 1:8

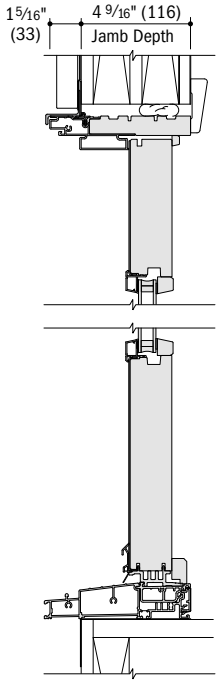


Vertical Section
Direct-Set Arch

Vertical Section
Direct-Set Rectangular



Vertical Section
Sash-Set Arch

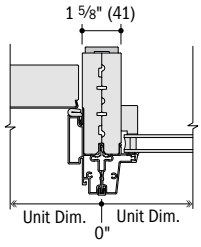


Vertical Section
Sash-Set Rectangular

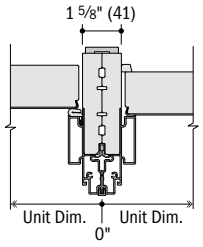
- 4 9/16" (116) jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- **Rough openings may need to be increased to allow for use of building 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

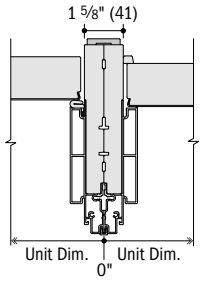
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



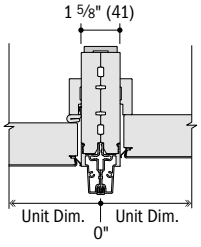
Inswing Entry Door to Direct-Set Arch or Rectangular Sidelight
4 9/16" (116) Jamb Depth



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

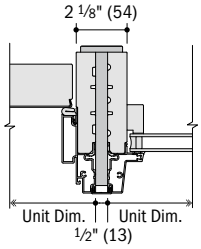


Outswing Entry Door to Sash-Set Arch or Rectangular Sidelight
4 9/16" (116) Jamb Depth

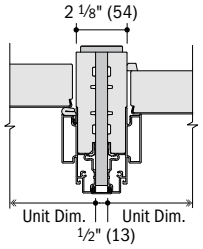
Non-reinforced jamb to jamb and 1/2" (13) wide wood joining shown. 1" (25) and 2" (51) wide joining also available. Contact your Andersen supplier for additional joining information.

Vertical Wood Joining Details

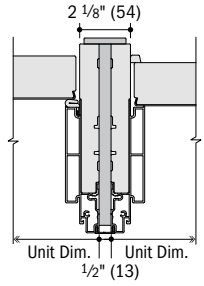
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



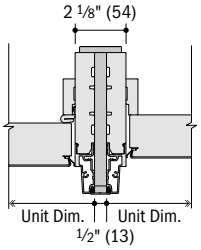
Inswing Entry Door to Direct-Set Arch or Rectangular Sidelight
4 9/16" (116) Jamb Depth



Inswing Entry Door to Sash-Set Arch or Rectangular Sidelight
4 9/16" (116) Jamb Depth



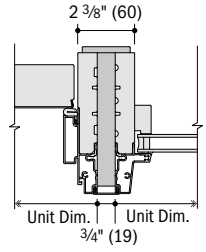
Inswing Entry Door to Sash-Set Arch or Rectangular Sidelight
6 9/16" (167) Jamb Depth



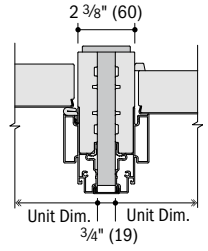
Outswing Entry Door to Sash-Set Arch or Rectangular Sidelight
4 9/16" (116) Jamb Depth

Vertical LVL Joining Details

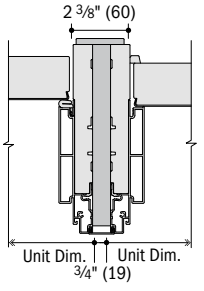
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



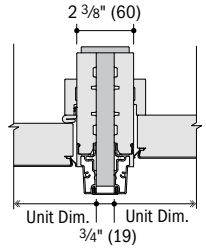
Inswing Entry Door to Direct-Set Arch or Rectangular Sidelight
4 9/16" (116) Jamb Depth



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.
- 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.

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.

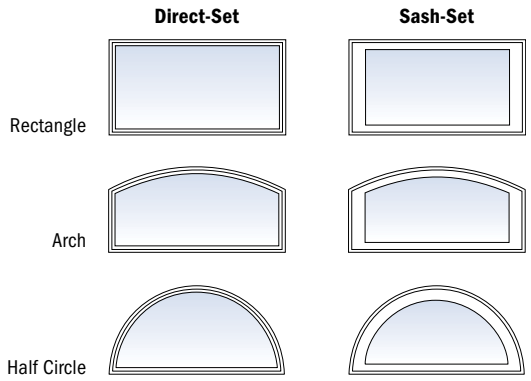
4 9/16" (116) jamb depth for 2 x 4 wall construction. 6 9/16" (167) jamb depth is also available.

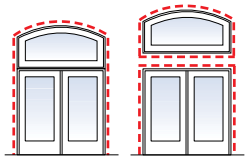
All shapes are available direct-set. Rectangle, arch and half circle shapes are also available sash-set to match door stiles.

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.





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./(m²)	Overall Sidelight Area Sq. Ft./(m²)
	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 5/16" (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

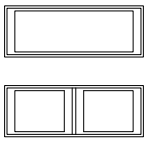


Custom-size windows are available in 1/8" (3) increments.



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 (**AET**XXXX-1) and twin (**AET**XXXX-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./(m²)	Overall Sidelight Area Sq. Ft./(m²)
	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)

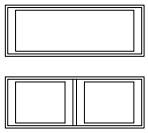


Custom-size windows are available in 1/8" (3) increments.



Direct-Set Rectangular Entry Door Transom

Direct-set transoms (**AETD**) provide maximum unobstructed glass. Direct-set dimensions and specifications shown.



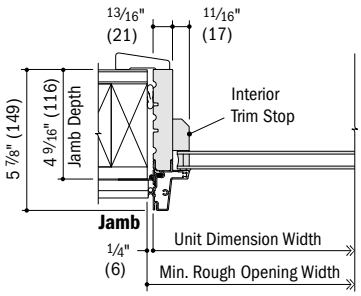
Sash-Set Rectangular Entry Door Transoms

Sash-set single (**AET**XXXX-1) and twin (**AET**XXXX-2) transoms are also available. Contact your Andersen supplier for dimensions and specifications.

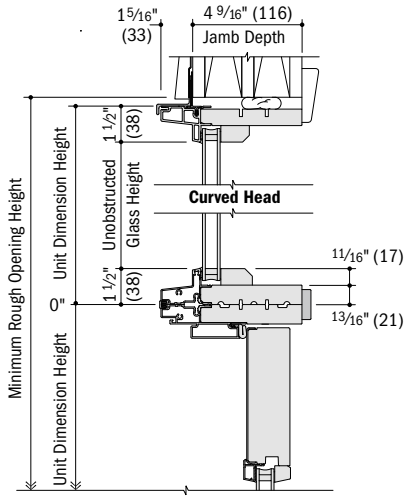
- "Transom Dimension" always refers to outside frame to frame dimension.
- "**Minimum Rough Opening**" **dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.**
- Dimensions in parentheses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

Direct-Set Entry Door Transom Details

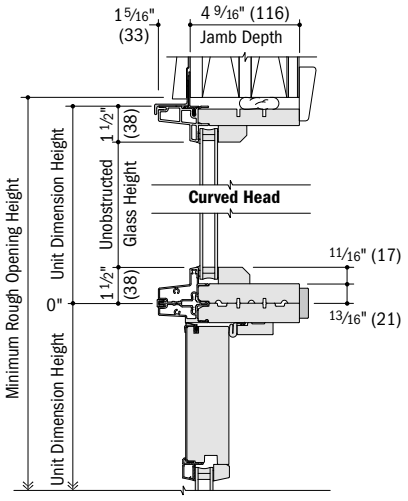
Scale 1 1/2" (38) = 1'-0" (305) – 1:8



Horizontal Section
Direct-Set



Vertical Section
Direct-Set over Inswing Entry Door



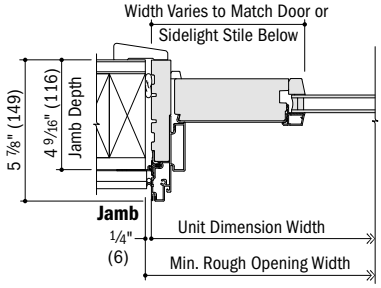
Vertical Section
Direct-Set over Outswing Entry Door

- 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.

ENTRY DOOR TRANSOMS

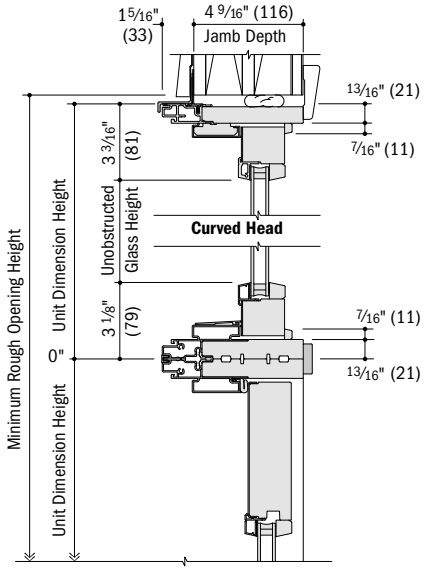
Sash-Set Entry Door Transom Details

Scale 1½" (38) = 1'-0" (305) – 1:8



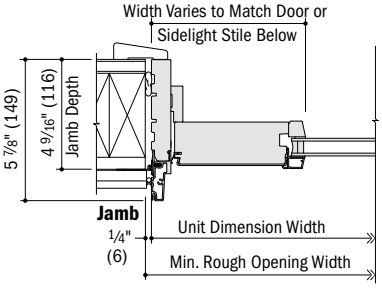
Horizontal Section

Sash-Set Transom for Inswing Entry Door



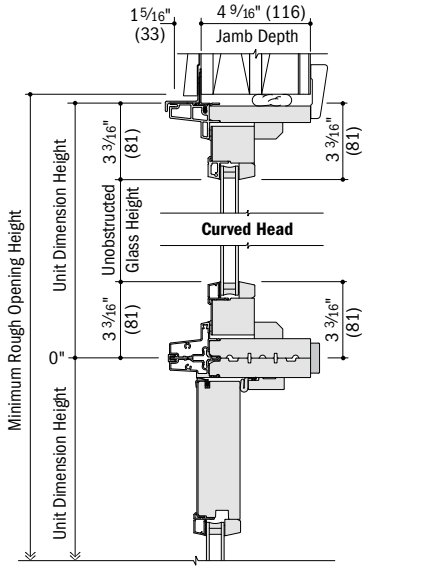
Vertical Section

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

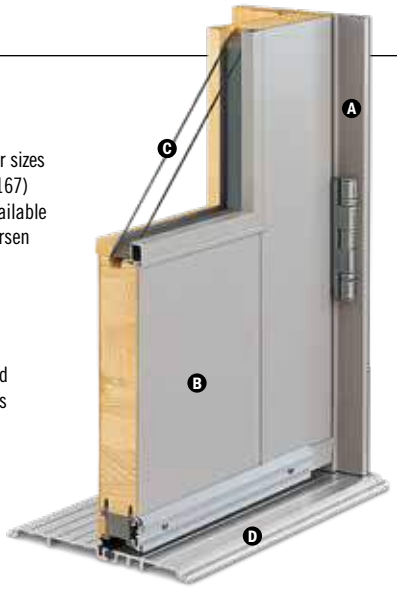
FEATURES

Frame

Ⓐ 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

Ⓑ 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 stiles 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.

Glass

Ⓒ 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.



Sill



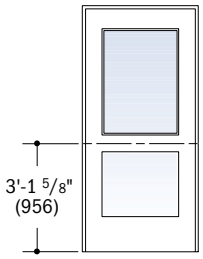
Ⓓ Low-threshold thermally broken mill-finished aluminum sill is standard. Bronze anodized finish is also available. Innovative dam design helps resist water infiltration. The sill can be extended to the interior for various wall conditions.

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.

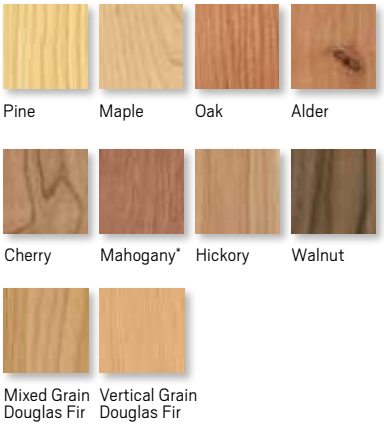
For more information about glass, grilles and installation accessories, contact your Andersen supplier.

EXTERIOR CLAD Custom colors available.



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.

INTERIOR

PAINTED OPTIONS Available on pine.



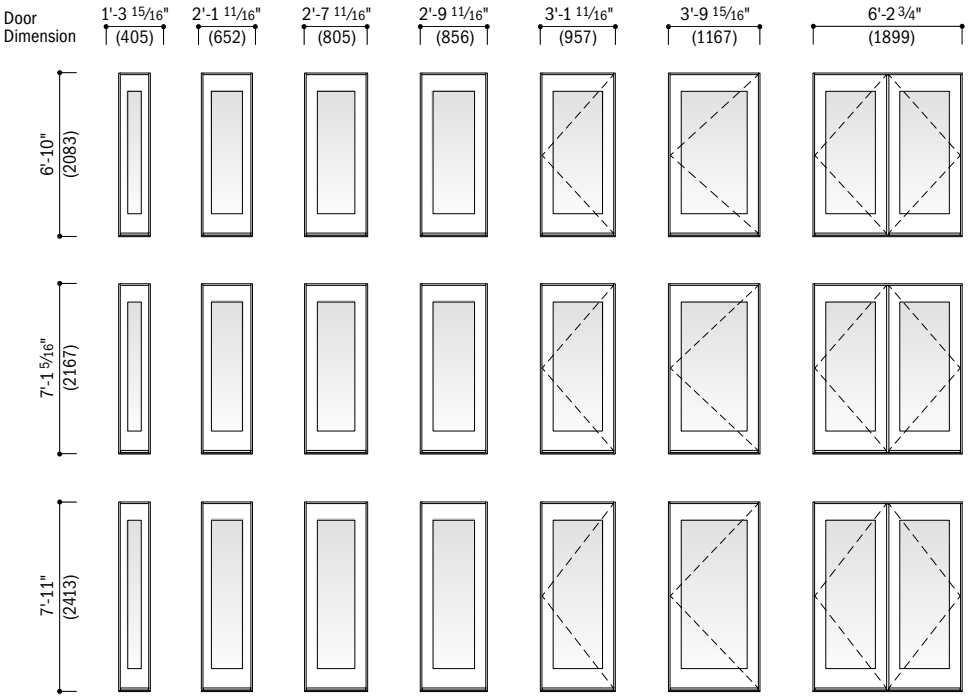
* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

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 1/8" = 1'-0" (1:96)



Check local building codes, including the Americans with Disabilities Act (ADA) accessibility.

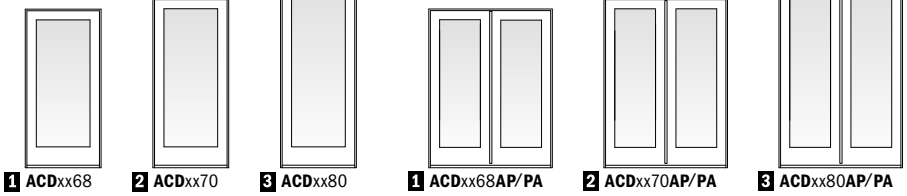
Custom-size doors are available in 1/8" (3) increments.

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.

• Dimensions in parentheses are in millimeters.



1 **ACD**xx68 | 2 **ACD**xx70 | 3 **ACD**xx80 | 1 **ACD**xx68**AP/PA** | 2 **ACD**xx70**AP/PA** | 3 **ACD**xx80**AP/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. 3068**S** or 4068**SS**).

Commercial Outswing Entry Door Dimensions and Specifications

Door Number	Number of Panels Open*			Min. Rough Opening		Clear Opening Area Sq. Ft./(m²)	Clear Opening Maximums			Glass Area Sq. Ft./(m²)	Vent Area Sq. Ft./(m²)	Overall Door Area Sq. Ft./(m²)
		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 11/16" (957)	82" (2083)	38 3/16" (970)	82 1/2" (2096)	19.45 (1.81)	33 1/8" (841)	35 1/16" (891)	79 7/8" (2029)	10.60 (0.98)	19.45 (1.81)	21.46 (1.99)
ACD3668	1	43 11/16" (1110)	82" (2083)	44 3/16" (1122)	82 1/2" (2096)	22.78 (2.12)	39 1/8" (994)	41 1/16" (1043)	79 7/8" (2029)	13.15 (1.22)	22.78 (2.12)	24.88 (2.31)
ACD3868	1	45 15/16" (1167)	82" (2083)	46 7/16" (1180)	82 1/2" (2180)	24.02 (2.23)	41 3/8" (1051)	43 5/16" (1100)	79 7/8" (2029)	14.11 (1.31)	24.02 (2.23)	26.16 (2.43)
ACD3070	1	37 11/16" (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 11/16" (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 15/16" (1167)	85 5/16" (2167)	46 7/16" (1180)	85 13/16" (2426)	25.02 (2.32)	41 3/8" (1051)	43 5/16" (1100)	83 3/16" (2113)	14.87 (1.38)	25.02 (2.32)	27.22 (2.53)
ACD3080	1	37 11/16" (957)	95" (2413)	38 3/16" (970)	95 1/2" (2426)	22.61 (2.10)	33 1/8" (841)	35 1/16" (891)	92 7/8" (2359)	12.84 (1.19)	22.61 (2.10)	24.86 (2.31)
ACD3680	1	43 11/16" (1110)	95" (2413)	44 3/16" (1122)	95 1/2" (2426)	26.48 (2.46)	39 1/8" (994)	41 1/16" (1043)	92 7/8" (2359)	15.94 (1.48)	26.48 (2.46)	28.82 (2.68)
ACD3880	1	45 15/16" (1167)	95" (2413)	46 7/16" (1180)	95 1/2" (2096)	27.94 (2.60)	41 3/8" (1051)	43 5/16" (1100)	92 7/8" (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 7/8" (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 7/8" (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 7/8" (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 7/8" (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 7/8" (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 7/8" (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 7/8" (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 7/8" (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 7/8" (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 7/8" (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 7/8" (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 7/8" (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 7/8" (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 7/8" (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 7/8" (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 7/8" (2359)	25.69 (2.39)	22.57 (2.10)	49.31 (4.58)

- "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.

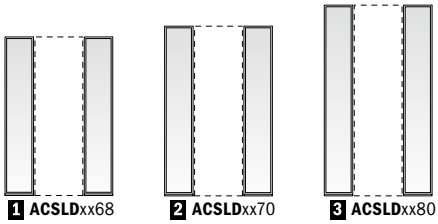
*For two-panel patio doors with one panel open, clear opening is based on active panel being open and passive panel being closed.

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./(m²)	Overall Sidelight Area Sq. Ft./(m²)
	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.

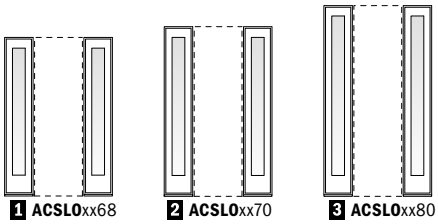


Direct-set (**ACSLD**) commercial outswing entry door sidelights.

Sash-Set Commercial Outswing Entry Door Sidelight Dimensions and Specifications

Sidelight Number	Sidelight Dimensions		Min. Rough Opening		Glass Area Sq. Ft./(m²)	Overall Sidelight Area Sq. Ft./(m²)
	Width Inches/(mm)	Height Inches/(mm)	Width Inches/(mm)	Height Inches/(mm)		
ACSLO1068	15 15/16" (405)	82" (2083)	16 7/16" (418)	82 1/2" (2096)	3.41 (0.32)	9.08 (0.84)
ACSLO2068	25 11/16" (652)	82" (2083)	26 3/16" (665)	82 1/2" (2096)	7.56 (0.70)	14.63 (1.36)
ACSLO2668	31 11/16" (805)	82" (2083)	32 3/16" (818)	82 1/2" (2096)	8.79 (0.82)	18.04 (1.68)
ACSLO2868	33 11/16" (856)	82" (2083)	34 3/16" (868)	82 1/2" (2096)	9.21 (0.86)	19.18 (1.78)
ACSLO1070	15 15/16" (405)	85 5/16" (2167)	16 7/16" (418)	85 13/16" (2180)	3.59 (0.33)	9.44 (0.88)
ACSLO2070	25 11/16" (652)	85 5/16" (2167)	26 3/16" (665)	85 13/16" (2180)	7.97 (0.74)	15.22 (1.41)
ACSLO2670	31 11/16" (805)	85 5/16" (2167)	32 3/16" (818)	85 13/16" (2180)	9.26 (0.86)	18.77 (1.74)
ACSLO2870	33 11/16" (856)	85 5/16" (2167)	34 3/16" (868)	85 13/16" (2180)	9.71 (0.90)	19.96 (1.85)
ACSLO1080	15 15/16" (405)	95" (2413)	16 7/16" (418)	95 1/2" (2426)	4.13 (0.38)	10.51 (0.98)
ACSLO2080	25 11/16" (652)	95" (2413)	26 3/16" (665)	95 1/2" (2426)	9.16 (0.85)	16.95 (1.57)
ACSLO2680	31 11/16" (805)	95" (2413)	32 3/16" (818)	95 1/2" (2426)	10.65 (0.99)	20.9 (1.94)
ACSLO2880	33 11/16" (856)	95" (2413)	34 3/16" (868)	95 1/2" (2426)	11.17 (1.04)	22.22 (2.06)

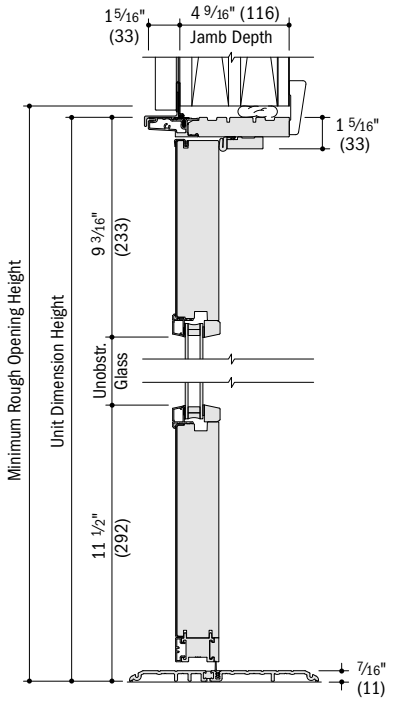
• "Sidelight Dimension" always refers to outside frame to frame dimension.
• **"Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 236-237 for more details.**
• Dimensions in parentheses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



Sash-set (**ACSLO**) commercial outswing entry door sidelights.

Commercial Outswing Entry Door Details

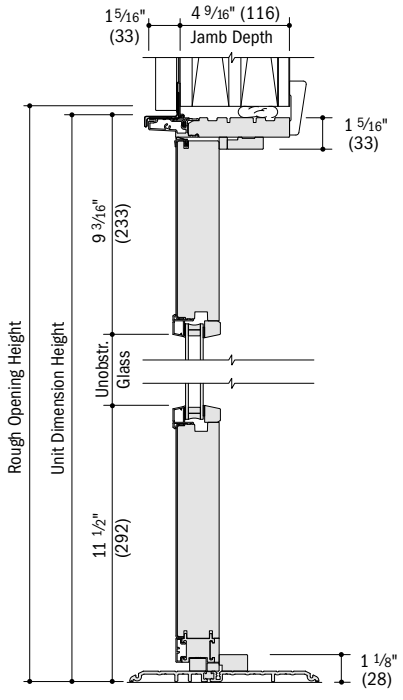
Scale 1½" (38) = 1'-0" (305) – 1:8



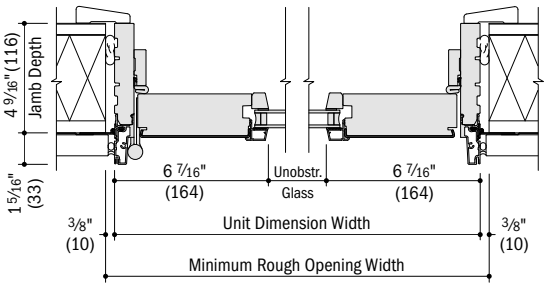
Vertical Section

Sash-Set Commercial Outswing Entry Door Sidelight Detail

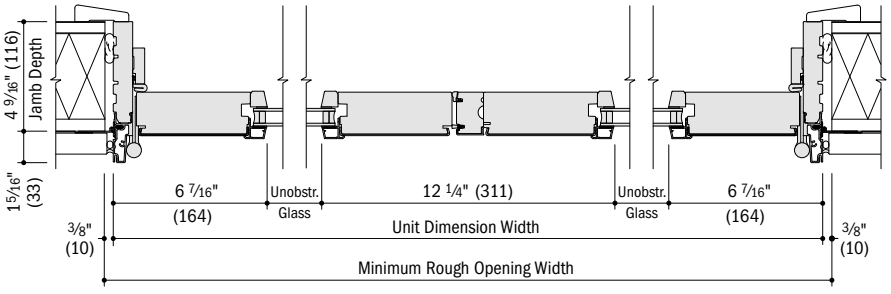
Scale 1½" (38) = 1'-0" (305) – 1:8



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.

Andersen® windows and patio doors make it easy to create a wide variety of combination designs.

Combination Types

Ribbons

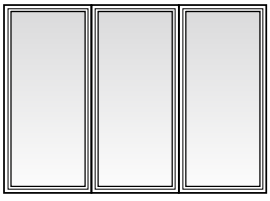
Ribbons are horizontal window combinations (vertical joins) where opposite ends (head and sill) of individual windows are fastened to the building structure.

Stacks

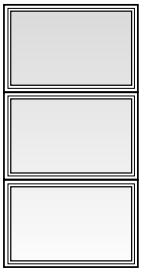
Stacks are vertical window combinations (horizontal joins) where opposite sides (both side jambs) of individual windows are fastened to the building structure.

Two basic configurations are used in combination designs:
1-way configurations or 2-way configurations.

1-Way

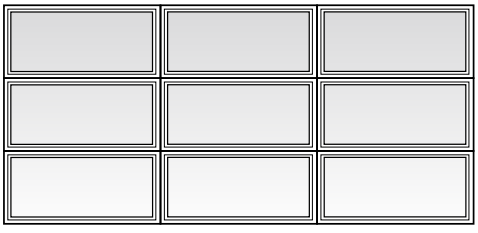


Ribbon Combination



Stack Combination

2-Way



Multiple Ribbon/Stack Combination

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.

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

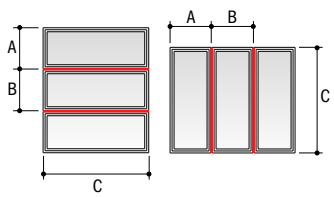
The structural performance of any combination is only as high as the lowest structural performance rating of any individual window or join in the combination. Non-reinforced joining material is used to create alignment and positive joining between windows.

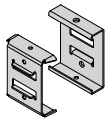
Clips are mounted to the mid-point of the jambs being joined and are used for 1-way (ribbon or stack) joining only. Clip joining includes a CPVC exterior trim receiver and foam insulation.

1-Way Clip Joining

A-Series: Casement, Awning, Double-Hung, Picture, Transom, Specialty Windows*

Average Adjacent Window Dimension								
	(A + B) ÷ 2 = **10'-0"** (3048)	63	42	32				
	(A + B) ÷ 2 = **9'-6"** (2896)	63	42	32				
	(A + B) ÷ 2 = **9'-0"** (2743)	63	42	32				
	(A + B) ÷ 2 = **8'-6"** (2591)	63	42	32				
	(A + B) ÷ 2 = **8'-0"** (2438)	63	42	32				
	(A + B) ÷ 2 = **7'-6"** (2286)	63	42	32				
	(A + B) ÷ 2 = **7'-0"** (2134)	63	42	32				
	(A + B) ÷ 2 = **6'-6"** (1981)	63	42	32				
	(A + B) ÷ 2 = **6'-0"** (1829)	63	42	32				
	(A + B) ÷ 2 = **5'-6"** (1676)	63	42	33				
	(A + B) ÷ 2 = **5'-0"** (1524)	63	43	34				
	(A + B) ÷ 2 = **4'-6"** (1372)	65	45	35				
	(A + B) ÷ 2 = **4'-0"** (1219)	67	47	37				
	(A + B) ÷ 2 = **3'-6"** (1067)	70	51	41	31			
	(A + B) ÷ 2 = **3'-0"** (914)	70	55	44	33			
	(A + B) ÷ 2 = **2'-6"** (762)	70	64	52	39	33		
	(A + B) ÷ 2 = **2'-0"** (610)	70	70	60	45	38	30	
	(A + B) ÷ 2 = **1'-6"** (457)	70	70	70	60	50	40	34
	C = (length of join)	**5'-6"** (1676)	**6'-0"** (1829)	**6'-6"** (1981)	**7'-0"** (2134)	**7'-6"** (2286)	**8'-0"** (2438)	**8'-6"** (2591)





3/4" (19) Joining Clips

- 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*

Average Adjacent Window Dimension															
	(A + B) ÷ 2 = **12'-0"** (3658)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
	(A + B) ÷ 2 = **11'-6"** (3505)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
	(A + B) ÷ 2 = **11'-0"** (3353)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
	(A + B) ÷ 2 = **10'-6"** (3200)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
	(A + B) ÷ 2 = **10'-0"** (3048)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
	(A + B) ÷ 2 = **9'-6"** (2896)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
	(A + B) ÷ 2 = **9'-0"** (2743)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
	(A + B) ÷ 2 = **8'-6"** (2591)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
	(A + B) ÷ 2 = **8'-0"** (2438)	70	70	70	70	70	70	70	70	70	70	66	58	50	42
	(A + B) ÷ 2 = **7'-6"** (2286)	70	70	70	70	70	70	70	70	70	70	66	58	50	43
	(A + B) ÷ 2 = **7'-0"** (2134)	70	70	70	70	70	70	70	70	70	70	66	58	51	44
	(A + B) ÷ 2 = **6'-6"** (1981)	70	70	70	70	70	70	70	70	70	70	67	59	52	45
	(A + B) ÷ 2 = **6'-0"** (1829)	70	70	70	70	70	70	70	70	70	70	68	60	54	47
	(A + B) ÷ 2 = **5'-6"** (1676)	70	70	70	70	70	70	70	70	70	70	69	62	56	50
	(A + B) ÷ 2 = **5'-0"** (1524)	70	70	70	70	70	70	70	70	70	70	70	65	59	54
	(A + B) ÷ 2 = **4'-6"** (1372)	70	70	70	70	70	70	70	70	70	70	70	69	63	58
	(A + B) ÷ 2 = **4'-0"** (1219)	70	70	70	70	70	70	70	70	70	70	70	70	68	62
	(A + B) ÷ 2 = **3'-6"** (1067)	70	70	70	70	70	70	70	70	70	70	70	70	70	69
	(A + B) ÷ 2 = **3'-0"** (914)	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	(A + B) ÷ 2 = **2'-6"** (762)	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	(A + B) ÷ 2 = **2'-0"** (610)	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	(A + B) ÷ 2 = **1'-6"** (457)	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	C = (length of join)	**2'-0"** (610)	**2'-6"** (762)	**3'-0"** (914)	**3'-6"** (1067)	**4'-0"** (1219)	**4'-6"** (1372)	**5'-0"** (1524)	**5'-6"** (1676)	**6'-0"** (1829)	**6'-6"** (1981)	**7'-0"** (2134)	**7'-6"** (2286)	**8'-0"** (2438)	**8'-6"** (2591)

continued on next page

2-Way Fiberglass Joining

A-Series: Casement, Awning, Double-Hung, Picture, Transom, Specialty Windows*

Average Adjacent Window Dimension															
	(A + B) ÷ 2 = **12'-0"** (3658)	68	54	45	38	34	30								
	(A + B) ÷ 2 = **11'-6"** (3505)	70	56	47	40	35	31								
	(A + B) ÷ 2 = **11'-0"** (3048)	70	59	49	42	37	33								
	(A + B) ÷ 2 = **10'-6"** (3200)	70	62	51	44	38	34	31							
	(A + B) ÷ 2 = **10'-0"** (3048)	70	65	54	46	40	36	32							
	(A + B) ÷ 2 = **9'-6"** (2896)	70	68	57	49	43	38	34	31						
	(A + B) ÷ 2 = **9'-0"** (2743)	70	70	60	51	45	40	36	33	30					
	(A + B) ÷ 2 = **8'-6"** (2591)	70	70	64	54	48	42	38	35	32					
	(A + B) ÷ 2 = **8'-0"** (2438)	70	70	68	58	51	45	40	37	34	31				
	(A + B) ÷ 2 = **7'-6"** (2286)	70	70	70	62	54	48	43	39	36	33	31			
	(A + B) ÷ 2 = **7'-0"** (2134)	70	70	70	66	58	51	46	42	38	35	33	31		
	(A + B) ÷ 2 = **6'-6"** (1981)	70	70	70	70	62	55	50	45	41	38	35	33	31	
	(A + B) ÷ 2 = **6'-0"** (1829)	70	70	70	70	68	60	54	49	45	41	38	36	33	
	(A + B) ÷ 2 = **5'-6"** (1676)	70	70	70	70	70	66	59	54	49	45	42	39	36	32
	(A + B) ÷ 2 = **5'-0"** (1524)	70	70	70	70	70	70	65	59	54	50	46	43	40	35
	(A + B) ÷ 2 = **4'-6"** (1372)	70	70	70	70	70	70	70	66	60	55	51	48	45	39
	(A + B) ÷ 2 = **4'-0"** (1219)	70	70	70	70	70	70	70	70	68	62	58	54	50	44
	(A + B) ÷ 2 = **3'-6"** (1067)	70	70	70	70	70	70	70	70	70	70	66	62	57	51
	(A + B) ÷ 2 = **3'-0"** (914)	70	70	70	70	70	70	70	70	70	70	70	70	67	59
	(A + B) ÷ 2 = **2'-6"** (762)	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	(A + B) ÷ 2 = **2'-0"** (610)	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	(A + B) ÷ 2 = **1'-6"** (457)	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	C = (length of join)	**2'-0"** (610)	**2'-6"** (762)	**3'-0"** (914)	**3'-6"** (1067)	**4'-0"** (1219)	**4'-6"** (1372)	**5'-0"** (1524)	**5'-6"** (1676)	**6'-0"** (1829)	**6'-6"** (1981)	**7'-0"** (2134)	**7'-6"** (2286)	**8'-0"** (2438)	**8'-6"** (2591)

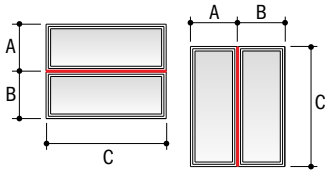
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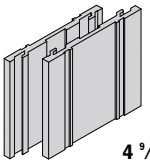
- Dimensions in parentheses are in millimeters.
- Andersen® products must be installed and anchored properly according to joining and installation guides to meet rated structural performance. Refer to product joining and installation guides at andersenwindows.com.
- Numeric value represents the certified 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.

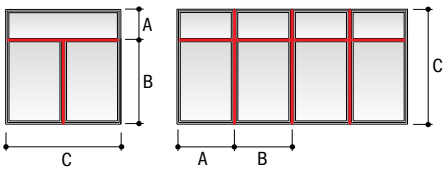
1-Way Fiberglass Joining continued from previous page

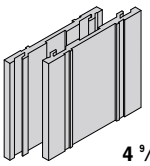
35	30					
35	30					
35	30					
35	30					
35	30					
35	30					
35	30					
35	30					
36	31					
37	32					
38	33					
39	34	30				
41	36	31				
44	39	33				
47	42	36	31			
51	46	39	34			
57	50	43	37	32		
64	57	49	42	36	32	
70	66	56	48	42	37	32
70	70	67	58	50	44	38
70	70	70	70	62	54	48
70	70	70	70	70	70	63
9'-0" (2743)	**9'-6"** (2896)	**10'-0"** (3048)	**10'-6"** (3200)	**11'-0"** (3353)	**11'-6"** (3505)	**12'-0"** (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
9'-0" (2743)	**9'-6"** (2896)	**10'-0"** (3048)	**10'-6"** (3200)	**11'-0"** (3353)	**11'-6"** (3505)	**12'-0"** (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.

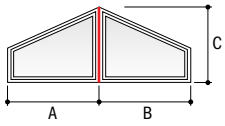
COMBINATION DESIGNS

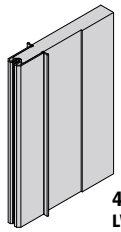
1-Way LVL Joining

A-Series: Factory-Joined Specialty Windows

4 9/16" LVL

Average Adjacent Window Dimension											
(A + B) ÷ 2 = **10'-0"** (3048)	70	70	70	55	44	33					
(A + B) ÷ 2 = **9'-6"** (2896)	70	70	70	55	44	33					
(A + B) ÷ 2 = **9'-0"** (2743)	70	70	70	55	44	33					
(A + B) ÷ 2 = **8'-6"** (2591)	70	70	70	55	44	33					
(A + B) ÷ 2 = **8'-0"** (2438)	70	70	70	55	44	33					
(A + B) ÷ 2 = **7'-6"** (2286)	70	70	70	55	44	33					
(A + B) ÷ 2 = **7'-0"** (2134)	70	70	70	55	44	33					
(A + B) ÷ 2 = **6'-6"** (1981)	70	70	70	56	45	34					
(A + B) ÷ 2 = **6'-0"** (1829)	70	70	70	56	45	35					
(A + B) ÷ 2 = **5'-6"** (1676)	70	70	70	58	47	36	30				
(A + B) ÷ 2 = **5'-0"** (1524)	70	70	70	60	49	38	32				
(A + B) ÷ 2 = **4'-6"** (1372)	70	70	70	64	52	40	34				
(A + B) ÷ 2 = **4'-0"** (1219)	70	70	70	67	55	43	36				
(A + B) ÷ 2 = **3'-6"** (1067)	70	70	70	70	61	48	41	33			
(A + B) ÷ 2 = **3'-0"** (914)	70	70	70	70	67	53	45	36	31		
(A + B) ÷ 2 = **2'-6"** (762)	70	70	70	70	70	62	53	43	37	31	
(A + B) ÷ 2 = **2'-0"** (610)	70	70	70	70	70	70	62	50	44	36	
(A + B) ÷ 2 = **1'-6"** (457)	70	70	70	70	70	70	70	67	59	49	
C = (length of join)	**5'-6"** (1676)	**6'-0"** (1829)	**6'-6"** (1981)	**7'-0"** (2134)	**7'-6"** (2286)	**8'-0"** (2438)	**8'-6"** (2591)	**9'-0"** (2286)	**9'-6"** (2438)	**10'-0"** (2591)	





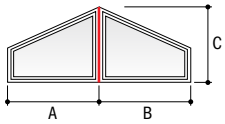
4 9/16" (116) x 3/4" (19)
LVL Joining Material

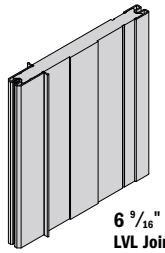
1-Way LVL Joining

A-Series: Factory-Joined Specialty Windows

6 9/16" LVL

Average Adjacent Window Dimension										
(A + B) ÷ 2 = **10'-0"** (3048)	70	70	70	70	70	66	54	42	35	
(A + B) ÷ 2 = **9'-6"** (2896)	70	70	70	70	70	66	54	42	35	
(A + B) ÷ 2 = **9'-0"** (2743)	70	70	70	70	70	66	54	42	35	
(A + B) ÷ 2 = **8'-6"** (2591)	70	70	70	70	70	66	54	42	35	
(A + B) ÷ 2 = **8'-0"** (2438)	70	70	70	70	70	66	54	42	36	
(A + B) ÷ 2 = **7'-6"** (2286)	70	70	70	70	70	67	55	43	36	
(A + B) ÷ 2 = **7'-0"** (2134)	70	70	70	70	70	67	56	44	37	
(A + B) ÷ 2 = **6'-6"** (1981)	70	70	70	70	70	69	57	45	39	
(A + B) ÷ 2 = **6'-0"** (1829)	70	70	70	70	70	70	59	47	40	
(A + B) ÷ 2 = **5'-6"** (1676)	70	70	70	70	70	70	62	49	42	
(A + B) ÷ 2 = **5'-0"** (1524)	70	70	70	70	70	70	65	52	44	
(A + B) ÷ 2 = **4'-6"** (1372)	70	70	70	70	70	70	70	56	48	40
(A + B) ÷ 2 = **4'-0"** (1219)	70	70	70	70	70	70	70	60	52	42
(A + B) ÷ 2 = **3'-6"** (1067)	70	70	70	70	70	70	70	67	58	48
(A + B) ÷ 2 = **3'-0"** (914)	70	70	70	70	70	70	70	70	64	53
(A + B) ÷ 2 = **2'-6"** (762)	70	70	70	70	70	70	70	70	70	63
(A + B) ÷ 2 = **2'-0"** (610)	70	70	70	70	70	70	70	70	70	70
(A + B) ÷ 2 = **1'-6"** (457)	70	70	70	70	70	70	70	70	70	70
C = (length of join)	**5'-6"** (1676)	**6'-0"** (1829)	**6'-6"** (1981)	**7'-0"** (2134)	**7'-6"** (2286)	**8'-0"** (2438)	**8'-6"** (2591)	**9'-0"** (2286)	**9'-6"** (2438)	**10'-0"** (2591)





6 9/16" (167) x 3/4" (19)
LVL Joining Material

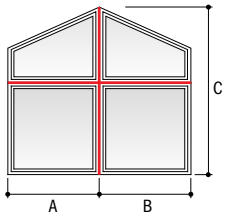
- Numerical values in charts represent structural performance only.
- Dimensions in parentheses are in millimeters.
- Structural performance of any combination is only as high as the lowest structural performance of any individual unit or joining material in the combination.
- Andersen® products must 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.

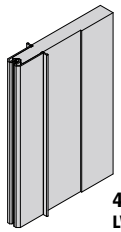
2-Way LVL Joining

A-Series: Factory-Joined Specialty Windows

4 9/16" LVL

Average Adjacent Window Dimension										
(A + B) ÷ 2 = **6'-6"** (1981)	42	31								
(A + B) ÷ 2 = **6'-0"** (1829)	45	33								
(A + B) ÷ 2 = **5'-6"** (1676)	50	37	30							
(A + B) ÷ 2 = **5'-0"** (1524)	54	40	32							
(A + B) ÷ 2 = **4'-6"** (1372)	61	45	37							
(A + B) ÷ 2 = **4'-0"** (1219)	67	49	40	31						
(A + B) ÷ 2 = **3'-6"** (1067)	70	58	47	36	31					
(A + B) ÷ 2 = **3'-0"** (914)	70	65	54	41	35					
(A + B) ÷ 2 = **2'-6"** (762)	70	70	66	51	43	34				
(A + B) ÷ 2 = **2'-0"** (610)	70	70	70	61	52	41	35			
(A + B) ÷ 2 = **1'-6"** (457)	70	70	70	70	70	57	49	40	35	
C = (length of join)	**5'-6"** (1676)	**6'-0"** (1829)	**6'-6"** (1981)	**7'-0"** (2134)	**7'-6"** (2286)	**8'-0"** (2438)	**8'-6"** (2591)	**9'-0"** (2286)	**9'-6"** (2438)	





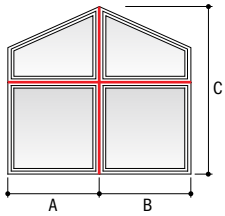
4 9/16" (116) x 3/4" (19)
LVL Joining Material

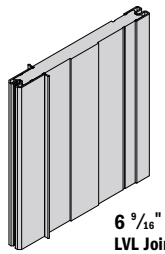
2-Way LVL Joining

A-Series: Factory-Joined Specialty Windows

6 9/16" LVL

Average Adjacent Window Dimension										
(A + B) ÷ 2 = **10'-0"** (3048)	69	49	40	31						
(A + B) ÷ 2 = **9'-6"** (2896)	70	52	42	33						
(A + B) ÷ 2 = **9'-0"** (2743)	70	54	44	34						
(A + B) ÷ 2 = **8'-6"** (2591)	70	58	47	37	31					
(A + B) ÷ 2 = **8'-0"** (2438)	70	61	50	38	32					
(A + B) ÷ 2 = **7'-6"** (2286)	70	65	54	41	35					
(A + B) ÷ 2 = **7'-0"** (2134)	70	69	57	44	37					
(A + B) ÷ 2 = **6'-6"** (1981)	70	70	62	48	40	32				
(A + B) ÷ 2 = **6'-0"** (1829)	70	70	66	51	43	34	30			
(A + B) ÷ 2 = **5'-6"** (1676)	70	70	70	56	48	38	33			
(A + B) ÷ 2 = **5'-0"** (1524)	70	70	70	61	51	41	35			
(A + B) ÷ 2 = **4'-6"** (1372)	70	70	70	69	58	46	40	33		
(A + B) ÷ 2 = **4'-0"** (1219)	70	70	70	70	64	51	44	36	32	
(A + B) ÷ 2 = **3'-6"** (1067)	70	70	70	70	70	59	51	42	37	31
(A + B) ÷ 2 = **3'-0"** (914)	70	70	70	70	70	67	58	48	42	35
(A + B) ÷ 2 = **2'-6"** (762)	70	70	70	70	70	80	71	59	51	43
(A + B) ÷ 2 = **2'-0"** (610)	70	70	70	70	70	80	80	70	62	52
(A + B) ÷ 2 = **1'-6"** (457)	70	70	70	70	70	80	80	80	70	70
C = (length of join)	**5'-6"** (1676)	**6'-0"** (1829)	**6'-6"** (1981)	**7'-0"** (2134)	**7'-6"** (2286)	**8'-0"** (2438)	**8'-6"** (2591)	**9'-0"** (2286)	**9'-6"** (2438)	**10'-0"** (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.

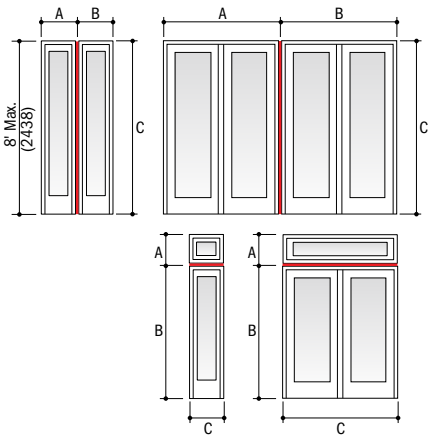
COMBINATION DESIGNS

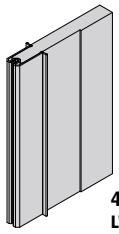
1-Way LVL Joining

A-Series: Frenchwood® Gliding, Inswing and Outswing Patio Doors, Frenchwood Patio Door Sidelights and Transoms

4 9/16" LVL

Average Adjacent Door/Transom/Sidelight Dimension										
(A + B) ÷ 2 = **10'-0"** (3048)	80	80	80	80	75	56	46			
(A + B) ÷ 2 = **9'-6"** (2896)	80	80	80	80	75	56	46			
(A + B) ÷ 2 = **9'-0"** (2743)	80	80	80	80	75	56	46			
(A + B) ÷ 2 = **8'-6"** (2591)	80	80	80	80	75	56	46			
(A + B) ÷ 2 = **8'-0"** (2438)	80	80	80	80	75	56	46			
(A + B) ÷ 2 = **7'-6"** (2286)	80	80	80	80	75	56	46			
(A + B) ÷ 2 = **7'-0"** (2134)	80	80	80	80	76	57	47			
(A + B) ÷ 2 = **6'-6"** (1981)	80	80	80	80	77	58	48			
(A + B) ÷ 2 = **6'-0"** (1829)	80	80	80	80	78	60	50			
(A + B) ÷ 2 = **5'-6"** (1676)	80	80	80	80	80	62	52	42		
(A + B) ÷ 2 = **5'-0"** (1524)	80	80	80	80	80	65	55	43		
(A + B) ÷ 2 = **4'-6"** (1372)	80	80	80	80	80	70	59	47	41	
(A + B) ÷ 2 = **4'-0"** (1219)	80	80	80	80	80	74	63	50	43	
(A + B) ÷ 2 = **3'-6"** (1067)	80	80	80	80	80	80	70	56	49	40
(A + B) ÷ 2 = **3'-0"** (914)	80	80	80	80	80	80	77	62	54	45
(A + B) ÷ 2 = **2'-6"** (762)	80	80	80	80	80	80	80	74	64	53
(A + B) ÷ 2 = **2'-0"** (610)	80	80	80	80	80	80	80	80	75	62
(A + B) ÷ 2 = **1'-6"** (457)	80	80	80	80	80	80	80	80	80	80
C = (length of join)	**5'-6"** (1676)	**6'-0"** (1829)	**6'-6"** (1981)	**7'-0"** (2134)	**7'-6"** (2286)	**8'-0"** (2438)	**8'-6"** (2591)	**9'-0"** (2286)	**9'-6"** (2438)	**10'-0"** (2591)





Note: When joining hinged inswing or outswing patio doors, do not join hinge jamb to hinge jamb.

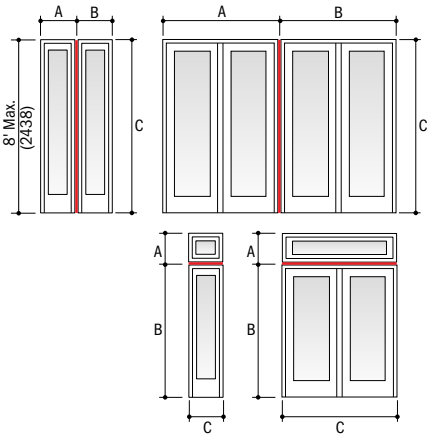
4 9/16" (116) x 3/4" (19) LVL Joining Material

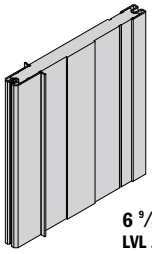
1-Way LVL Joining

A-Series: Frenchwood® Gliding, Inswing and Outswing Patio Doors, Frenchwood Patio Door Sidelights and Transoms

6 9/16" LVL

Average Adjacent Door/Transom/Sidelight Dimension										
(A + B) ÷ 2 = **10'-0"** (3048)	80	80	80	80	80	80	80	77	64	51
(A + B) ÷ 2 = **9'-6"** (2896)	80	80	80	80	80	80	80	77	64	51
(A + B) ÷ 2 = **9'-0"** (2743)	80	80	80	80	80	80	80	77	65	51
(A + B) ÷ 2 = **8'-6"** (2591)	80	80	80	80	80	80	80	77	65	52
(A + B) ÷ 2 = **8'-0"** (2438)	80	80	80	80	80	80	80	78	66	53
(A + B) ÷ 2 = **7'-6"** (2286)	80	80	80	80	80	80	80	80	67	54
(A + B) ÷ 2 = **7'-0"** (2134)	80	80	80	80	80	80	80	80	69	56
(A + B) ÷ 2 = **6'-6"** (1981)	80	80	80	80	80	80	80	80	72	58
(A + B) ÷ 2 = **6'-0"** (1829)	80	80	80	80	80	80	80	80	75	61
(A + B) ÷ 2 = **5'-6"** (1676)	80	80	80	80	80	80	80	80	78	64
(A + B) ÷ 2 = **5'-0"** (1524)	80	80	80	80	80	80	80	80	80	68
(A + B) ÷ 2 = **4'-6"** (1372)	80	80	80	80	80	80	80	80	80	73
(A + B) ÷ 2 = **4'-0"** (1219)	80	80	80	80	80	80	80	80	80	79
(A + B) ÷ 2 = **3'-6"** (1067)	80	80	80	80	80	80	80	80	80	80
(A + B) ÷ 2 = **3'-0"** (914)	80	80	80	80	80	80	80	80	80	80
(A + B) ÷ 2 = **2'-6"** (762)	80	80	80	80	80	80	80	80	80	80
(A + B) ÷ 2 = **2'-0"** (610)	80	80	80	80	80	80	80	80	80	80
(A + B) ÷ 2 = **1'-6"** (457)	80	80	80	80	80	80	80	80	80	80
C = (length of join)	**5'-6"** (1676)	**6'-0"** (1829)	**6'-6"** (1981)	**7'-0"** (2134)	**7'-6"** (2286)	**8'-0"** (2438)	**8'-6"** (2591)	**9'-0"** (2286)	**9'-6"** (2438)	**10'-0"** (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

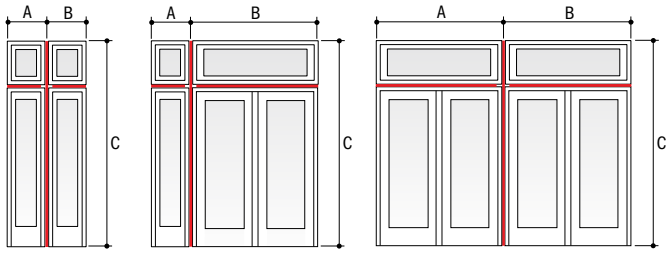
- Two-panel doors shown. Three- and four-panel doors similar with different overall A and B widths.
- Numerical values in charts represent structural performance only.
- Dimensions in parentheses are in millimeters.
- Structural performance of any combination is only as high as the lowest structural 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.

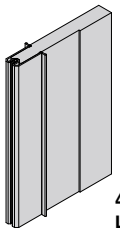
2-Way LVL Joining

A-Series: Frenchwood® Gliding, Inswing and Outswing Patio Doors, Frenchwood Patio Door Sidelights and Transoms

4 9/16" LVL

Average Adjacent Door/Transom/Sidelight Dimension										
(A + B) ÷ 2 = **10'-0"** (3048)	57	42								
(A + B) ÷ 2 = **9'-6"** (2896)	60	45								
(A + B) ÷ 2 = **9'-0"** (2743)	63	47								
(A + B) ÷ 2 = **8'-6"** (2591)	67	50	41							
(A + B) ÷ 2 = **8'-0"** (2438)	71	52	43							
(A + B) ÷ 2 = **7'-6"** (2286)	76	57	46							
(A + B) ÷ 2 = **7'-0"** (2134)	80	60	49							
(A + B) ÷ 2 = **6'-6"** (1981)	80	65	53	41						
(A + B) ÷ 2 = **6'-0"** (1829)	80	70	57	44						
(A + B) ÷ 2 = **5'-6"** (1676)	80	77	63	49	41					
(A + B) ÷ 2 = **5'-0"** (1524)	80	80	68	53	45					
(A + B) ÷ 2 = **4'-6"** (1372)	80	80	77	60	50	40				
(A + B) ÷ 2 = **4'-0"** (1219)	80	80	80	66	55	44				
(A + B) ÷ 2 = **3'-6"** (1067)	80	80	80	77	65	52	44			
(A + B) ÷ 2 = **3'-0"** (914)	80	80	80	80	73	59	50	41		
(A + B) ÷ 2 = **2'-6"** (762)	80	80	80	80	80	72	62	51	45	
(A + B) ÷ 2 = **2'-0"** (610)	80	80	80	80	80	80	75	61	53	45
(A + B) ÷ 2 = **1'-6"** (457)	80	80	80	80	80	80	80	80	74	62
C = (length of join)	**5'-6"** (1676)	**6'-0"** (1829)	**6'-6"** (1981)	**7'-0"** (2134)	**7'-6"** (2286)	**8'-0"** (2438)	**8'-6"** (2591)	**9'-0"** (2286)	**9'-6"** (2438)	**10'-0"** (2591)





Note: When joining hinged inswing or outswing patio doors, do not join hinge jamb to hinge jamb.

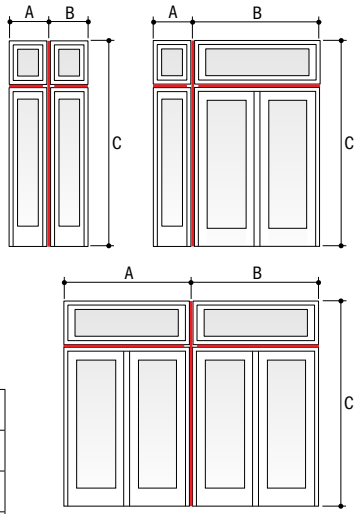
4 9/16" (116) x 3/4" (19) LVL Joining Material

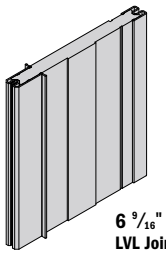
2-Way LVL Joining

A-Series: Frenchwood® Gliding, Inswing and Outswing Patio Doors, Frenchwood Patio Door Sidelights and Transoms

6 9/16" LVL

Average Adjacent Door/Transom/Sidelight Dimension										
(A + B) ÷ 2 = **10'-0"** (3048)	80	80	79	61	52	41				
(A + B) ÷ 2 = **9'-6"** (2896)	80	80	80	65	55	44				
(A + B) ÷ 2 = **9'-0"** (2743)	80	80	80	68	57	46				
(A + B) ÷ 2 = **8'-6"** (2591)	80	80	80	73	61	49	42			
(A + B) ÷ 2 = **8'-0"** (2438)	80	80	80	76	64	51	44			
(A + B) ÷ 2 = **7'-6"** (2286)	80	80	80	80	69	55	48			
(A + B) ÷ 2 = **7'-0"** (2134)	80	80	80	80	73	59	50	41		
(A + B) ÷ 2 = **6'-6"** (1981)	80	80	80	80	80	64	55	45		
(A + B) ÷ 2 = **6'-0"** (1829)	80	80	80	80	80	68	59	48	42	
(A + B) ÷ 2 = **5'-6"** (1676)	80	80	80	80	80	76	65	53	47	
(A + B) ÷ 2 = **5'-0"** (1524)	80	80	80	80	80	80	70	58	50	42
(A + B) ÷ 2 = **4'-6"** (1372)	80	80	80	80	80	80	79	65	57	48
(A + B) ÷ 2 = **4'-0"** (1219)	80	80	80	80	80	80	80	72	63	52
(A + B) ÷ 2 = **3'-6"** (1067)	80	80	80	80	80	80	80	80	73	61
(A + B) ÷ 2 = **3'-0"** (914)	80	80	80	80	80	80	80	80	80	69
(A + B) ÷ 2 = **2'-6"** (762)	80	80	80	80	80	80	80	80	80	80
(A + B) ÷ 2 = **2'-0"** (610)	80	80	80	80	80	80	80	80	80	80
(A + B) ÷ 2 = **1'-6"** (457)	80	80	80	80	80	80	80	80	80	80
C = (length of join)	**5'-6"** (1676)	**6'-0"** (1829)	**6'-6"** (1981)	**7'-0"** (2134)	**7'-6"** (2286)	**8'-0"** (2438)	**8'-6"** (2591)	**9'-0"** (2286)	**9'-6"** (2438)	**10'-0"** (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.
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Andersen® Window and Patio Door Altitude Limits — Dual-Pane Glass

The chart below gives the altitude limit in feet for most A-Series products in this catalog. If the installation of a given product is at an altitude greater than that shown in this chart, a capillary breather tube must be ordered. Be aware that the use of a capillary breather tube eliminates argon gas blend fill and will result in slightly lower thermal performance (approximately 0.02 increase in U-Factor). For NFRC certified total unit performance on units with capillary breather tubes for higher altitude applications, please visit **andersenwindows.com/nfrc**.

The use of dual-pane insulating glass at altitudes higher than its rating will result in severe glass distortion, increased glass breakage potential and a risk of seal failure.

Smaller windows are most affected by altitude changes. An increase in altitude results in a decrease in atmospheric pressure. A sealed insulating glass unit attempts to combat this change by increasing its volume to reduce its pressure. One way to increase its volume is by glass deflection. A smaller window is stiffer and does not deflect as much as a larger window; therefore, it cannot relieve the pressure as readily. Thus the load applied to the glass is greater, resulting in a greater risk for breakage. Another way the window tries to increase its volume is by increasing the edge area; i.e. the seal area. The increased pressure applied to the edge seal load for smaller windows is therefore greater, increasing the chance for seal failure.

Product	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000
A-Series Casement Windows		ACW1820 ACW1824 ACW1828 ACW1830 ACW1834 ACW1838 ACW1840 ACW1844 ACW1848 ACW1850 ACW1854 ACW1858 ACW1860 ACW2020 ACW2024 ACW2028 ACW2030 ACW2034 ACW2420	ACW2038 ACW2040 ACW2044 ACW2048 ACW2050 ACW2054 ACW2058 ACW2060 ACW2424 ACW2428 ACW2430 ACW2434 ACW2438 ACW2440 ACW2624 ACW2824	ACW2444 ACW2448 ACW24250 ACW2454 ACW2458 ACW2460 ACW2628 ACW2630 ACW2634 ACW2638 ACW2640 ACW2644 ACW2660 ACW2828 ACW21028 ACW3028	ACW2648 ACW2650 ACW2654 ACW2658 ACW2830 ACW2834 ACW2838 ACW2840 ACW2844 ACW2848 ACW2854 ACW2858 ACW2860 ACW21030 ACW21034 ACW21038 ACW21040 ACW21044 ACW21048 ACW21050	ACW2850 ACW21054 ACW21058 ACW21060 ACW3030 ACW3034 ACW3038 ACW3040 ACW3044 ACW3048 ACW3050 ACW3054 ACW3058 ACW3060		
A-Series Awning Windows		AAN1814 AAN2014 AAN2414 AAN2614 AAN2814 AAN21014 AAN3014 AAN3214 AAN3414 AAN3814 AAN4014 AAN4414 AAN4814 AAN5014 AAN5414 AAN5814 AAN6014 AAN1818 AAN2018 AAN2418 AAN2618 AAN2818 AAN21018 AAN3018 AAN3218 AAN3418 AAN3818 AAN4018 AAN4418 AAN4818 AAN5018 AAN5418 AAN5818 AAN6018 AAN18110 AAN1820 AAN1824 AAN1828 AAN1830 AAN20110 AAN24110 AAN26110 AAN28110 AAN210110 AAN30110 AAN32110 AAN34110 AAN38110 AAN40110 AAN44110 AAN48110 AAN50110 AAN54110 AAN58110 AAN60110 AAN2020 AAN2420 AAN2620 AAN2820 AAN21020 AAN3220 AAN2024 AAN2028 AAN2030	AAN3420 AAN3820 AAN4020 AAN4420 AAN4820 AAN5020 AAN5420 AAN5820 AAN6020 AAN2424 AAN2624 AAN2824 AAN21024 AAN3024 AAN3224 AAN3424 AAN3824 AAN2428 AAN2430	AAN4024 AAN4424 AAN4824 AAN5024 AAN5424 AAN5824 AAN6024 AAN2628 AAN2630 AAN2828 AAN21028 AAN3028 AAN3228 AAN3428 AAN3828 AAN4028 AAN4428	AAN4828 AAN5028 AAN5428 AAN5828 AAN6028 AAN2830 AAN21030	AAN3030 AAN3230 AAN3430 AAN3830 AAN4030 AAN4430 AAN4830 AAN5030 AAN5830 AAN6030	AAN5430	
A-Series Double-Hung Windows		ADH1830 ADH1834 ADH1838 ADH1840 ADH1844 ADH1848 ADH1850 ADH1854 ADH1858 ADH1860 ADH1864 ADH1868 ADH1874 ADH1880 ADH2030 ADH2034 ADH2038 ADH2040 ADH2044 ADH2048 ADH2050 ADH2054 ADH2058 ADH2060 ADH2064 ADH2430 ADH2434 ADH2438 ADH2630 ADH2634 ADH2638 ADH2830 ADH2834 ADH2838 ADH21030 ADH21034 ADH21038 ADH3030 ADH3034 ADH3038 ADH3230 ADH3234 ADH3238 ADH3430 ADH3434 ADH3438 ADH3830 ADH3834 ADH4030 ADH4034	ADH2068 ADH2074 ADH2080 ADH2440 ADH2444 ADH2448 ADH2450 ADH2454 ADH2458 ADH2460 ADH2464 ADH2468 ADH2474 ADH2640 ADH2644 ADH2840 ADH2844 ADH21040 ADH21044 ADH3040 ADH3044 ADH2840 ADH2844 ADH21040 ADH21044 ADH3040 ADH3044 ADH3240 ADH3244 ADH3440 ADH3444 ADH3838 ADH3840 ADH3844 ADH4038 ADH4040 ADH4044	ADH2480 ADH2648 ADH2650 ADH2654 ADH2658 ADH2660 ADH2664 ADH2668 ADH2674 ADH2680 ADH2848 ADH21048 ADH3048 ADH3248 ADH3448 ADH3848 ADH4048	ADH2850 ADH2854 ADH2858 ADH2860 ADH2864 ADH2868 ADH2874 ADH2880 ADH21050 ADH21054 ADH21058 ADH21060 ADH21064 ADH21068 ADH21074 ADH21080 ADH3050 ADH3054 ADH3250 ADH3254 ADH3450 ADH3454 ADH3850 ADH3854 ADH4050 ADH4054	ADH3058 ADH3060 ADH3064 ADH3068 ADH3074 ADH3080 ADH3258 ADH3260 ADH3264 ADH3268 ADH3274 ADH3280 ADH3458 ADH3460 ADH3858 ADH3860 ADH4058 ADH4060	ADH3464 ADH3468 ADH3474 ADH3480 ADH3864 ADH4064	ADH3868 ADH3874 ADH3880 ADH4068 ADH4074 ADH4080
A-Series Picture Windows		APW1420 APW1424 APW1428 APW1430 APW1434 APW1438 APW1440 APW1448 APW1450 APW1454 APW1458 APW1460 APW1464 APW1468 APW1474 APW1480 APW1820 APW1824 APW1828 APW1830 APW1834 APW1838 APW1840 APW1844 APW1848 APW1850 APW1854 APW1858 APW1860 APW1864 APW1868 APW1874 APW1880 APW2020 APW2420 APW2620 APW2820 APW21020 APW3020 APW3220	APW3420 APW3820 APW4020 APW4420 APW4820 APW5020 APW5420 APW5820 APW6020 APW6420 APW6820 APW7020 APW7420 APW7820 APW8020 APW2024 APW2028 APW2030 APW2034 APW2038 APW2040 APW2044 APW2048 APW2050 APW2054 APW2058 APW2060 APW2064 APW2068 APW2074 APW2080 APW2424 APW2624 APW2824 APW21024 APW3024 APW3224 APW3424 APW3824 APW4024	APW4424 APW4824 APW5024 APW5424 APW5824 APW6024 APW6424 APW6824 APW7024 APW7424 APW7824 APW8024 APW2428 APW2430 APW2434 APW2438 APW2440 APW2460 APW2464 APW2468 APW2474 APW2480 APW2628 APW2630 APW2634 APW2638 APW2640 APW2644	APW2444 APW2448 APW2450 APW2454 APW2458 APW2648 APW2650 APW2654 APW2658 APW2660 APW2664 APW2668 APW2674 APW2680 APW2828 APW21028 APW3028 APW3228 APW3428 APW3828 APW4028 APW4428 APW4828 APW6028 APW7028 APW7428 APW7828 APW8028 APW2830 APW2834 APW2838 APW2840 APW2844 APW2848 APW2854 APW2858 APW2860 APW2864 APW2868 APW2874 APW2880	APW5028 APW5428 APW5828 APW2850 APW21030 APW21034 APW21038 APW21040 APW21044 APW21048 APW21050 APW21054 APW21058 APW21060 APW21064 APW21068 APW21074 APW21080 APW3030 APW3230 APW3430 APW3830 APW4030 APW4430 APW4830 APW5030 APW5430 APW6030 APW6830 APW7030 APW7430 APW7830 APW8030 APW3034 APW3038 APW3040 APW3044 APW3048 APW3050 APW3054	APW5830 APW3058 APW3060 APW3064 APW3068 APW3074 APW3080 APW3234 APW3238 APW3240 APW3244 APW3248 APW3250 APW3254 APW3258 APW3260 APW3264 APW3268 APW3274 APW3280 APW3434 APW3834 APW4034 APW4434 APW4834 APW5034 APW5434 APW5834 APW3438 APW3440 APW3444 APW3448 APW3450 APW3454 APW3458 APW3460	APW6034 APW6434 APW6834 APW7034 APW7434 APW8034 APW3464 APW3468 APW3474 APW3480 APW3838 APW4038 APW4438 APW4838 APW5038 APW5438 APW5838 APW6038 APW6438 APW3840 APW4040 APW4440 APW4840 APW5040 APW5440 APW5840 APW6040 APW6440 APW6840 APW7040 APW7440 APW7840 APW8040 APW4044 APW4048 APW4050 APW4444 APW4448 APW4450 APW4058 APW4060 APW4064 APW4068 APW4074 APW4080 APW4444 APW4448 APW4450 APW4454 APW4458 APW4460 APW4464 APW4468 APW4474 APW4480 APW4844 APW4848 APW4850 APW4854 APW4858 APW4860 APW4864	APW4840 APW5040 APW5440 APW5840 APW6040 APW6440 APW6840 APW7040 APW7440 APW7840 APW8040 APW4044 APW4048 APW4050 APW4444 APW4448 APW4450 APW4454 APW4458 APW4460 APW4464 APW4468 APW4474 APW4480 APW4844 APW4848 APW4850 APW4854 APW4858 APW4860 APW4864	APW4868 APW4874 APW4880 APW5044 APW5048 APW5050 APW5054 APW5058 APW5060 APW5064 APW5068 APW5074 APW5080 APW5444 APW5448 APW5450 APW5458 APW5460 APW5464 APW5468 APW5474 APW5844 APW5848 APW5850 APW5854 APW5858 APW5860 APW5864 APW5868 APW5874 APW5880 APW6044 APW6048 APW6050 APW6054 APW6058 APW6060 APW6064 APW6068 APW6444	APW6448 APW6450 APW6454 APW6458 APW6460 APW6844 APW6848 APW6850 APW6854 APW6858 APW6860 APW7044 APW7048 APW7050 APW7054 APW7058 APW7060 APW7444 APW7448 APW7450 APW7454 APW7458 APW7460 APW7844 APW7848 APW7850 APW7854 APW7858 APW7860 APW8044 APW8048 APW8050 APW8054 APW8058 APW8060

• Deflection of glass will occur on units with larger glass areas. If interior/exterior grilles are used on double-hung windows, gliding windows or gliding patio doors, some interference may occur, affecting operation of these units.
• Altitude limits for patio doors shown in two-panel configurations. These limits also qualify for same size panels used in one or multiple panel configurations.
• **Contact your Andersen supplier for altitude limits for custom-size windows and doors.**

continued on next page

Andersen® Window and Patio Door Altitude Limits — Dual-Pane Glass *(continued)*

Product	3,000	4,000				5,000		6,000		7,000		8,000	9,000	10,000
A-Series Fixed Transom Windows	ATF8010 ATF8014	ATF1410 ATF1810 ATF2010 ATF2410 ATF2610 ATF2810 ATF210210 ATF3010 ATF3210 ATF3410 ATF3810 ATF4010 ATF4410 ATF4810 ATF5010 ATF5410 ATF5810 ATF6010 ATF6410 ATF6810 ATF7010 ATF7410 ATF7810 ATF1414 ATF1416 ATF1418 ATF1420 ATF1422 ATF1424 ATF1426	ATF1428 ATF1430 ATF1434 ATF1814 ATF2014 ATF2414 ATF2614 ATF2814 ATF21014 ATF3014 ATF3214 ATF3414 ATF3814 ATF4014 ATF4414 ATF4814 ATF5014 ATF5414 ATF5814 ATF6014 ATF6414 ATF6814 ATF7014 ATF7414 ATF7814 ATF1816 ATF1820 ATF1822 ATF1824 ATF1826 ATF1828 ATF2416 ATF2616 ATF2816	ATF21016 ATF3016 ATF3216 ATF3416 ATF4016 ATF3816 ATF4416 ATF4816 ATF5016 ATF5416 ATF5816 ATF6016 ATF6416 ATF6816 ATF7016 ATF7416 ATF7816 ATF8016 ATF1818 ATF18110 ATF1820 ATF1822 ATF1824 ATF1826 ATF1828 ATF1830 ATF1834 ATF2018 ATF2418 ATF2618	ATF2818 ATF21018 ATF3218 ATF3418 ATF3818 ATF4018 ATF4418 ATF4818 ATF5018 ATF5418 ATF5818 ATF6418 ATF6818 ATF7018 ATF7418 ATF28110 ATF210110 ATF30110 ATF32110 ATF74110 ATF78110	ATF34110 ATF38110 ATF40110 ATF44110 ATF48110 ATF50110 ATF54110 ATF58110 ATF60110 ATF64110 ATF68110 ATF70110 ATF80110 ATF2020 ATF2022 ATF2024 ATF2026 ATF2028 ATF2030 ATF2034 ATF2420 ATF2620 ATF2820 ATF21020 ATF3020 ATF3220	ATF3420 ATF3820 ATF4020 ATF4420 ATF4820 ATF5020 ATF5420 ATF5820 ATF6020 ATF6420 ATF6820 ATF7020 ATF7420 ATF7820 ATF8020 ATF2422 ATF2622 ATF2822 ATF21022 ATF3022 ATF3222 ATF3422 ATF3822 ATF7422 ATF7822	ATF4022 ATF4422 ATF4822 ATF5022 ATF5422 ATF6022 ATF6422 ATF6822 ATF7022 ATF8022 ATF2424 ATF2426 ATF2428 ATF2430 ATF2434 ATF2624 ATF2824 ATF21024 ATF3024 ATF3224 ATF3424	ATF3824 ATF4024 ATF6024 ATF4420 ATF6424 ATF6824 ATF7024 ATF7424 ATF7824 ATF8024 ATF2626 ATF2628 ATF2630 ATF2634 ATF2826 ATF21026 ATF3026 ATF3226 ATF3426 ATF3826 ATF4026 ATF4426	ATF4424 ATF4824 ATF5024 ATF5424 ATF5824 ATF6024 ATF6422 ATF6822 ATF7022 ATF6026 ATF6426 ATF6826 ATF7026 ATF7426 ATF7826 ATF8026 ATF2828 ATF2830	ATF2834 ATF21028 ATF3028 ATF3228 ATF3428 ATF3828 ATF4028 ATF4428 ATF4828 ATF5428 ATF6028 ATF6428 ATF6828 ATF7028 ATF7428 ATF7828 ATF8028	ATF5028 ATF21030 ATF21034 ATF3030 ATF3230 ATF3430 ATF3830 ATF4030 ATF4430 ATF4830 ATF5030 ATF5430 ATF3034	ATF5830 ATF6030 ATF6430 ATF6830 ATF7030 ATF7430 ATF7830 ATF8030 ATF3234 ATF3434 ATF3834 ATF4034 ATF4434 ATF4834 ATF5034 ATF5434 ATF5834 ATF6034	ATF6434 ATF6834 ATF7034 ATF7434 ATF7834 ATF8034
A-Series Venting Transom Windows		ATV1814 ATV2014 ATV2214 ATV2414 ATV2614 ATV2814 ATV21014 ATV3014 ATV3214 ATV3414 ATV3814 ATV4014 ATV4414 ATV4814 ATV5014 ATV5414 ATV5814 ATV6014 ATV1816 ATV2016 ATV2216 ATV2416 ATV2616	ATV2816 ATV21016 ATV3016 ATV3216 ATV3416 ATV3816 ATV4016 ATV4416 ATV4816 ATV5016 ATV5416 ATV5816 ATV6016 ATV1818 ATV18110 ATV1820 ATV1822 ATV1824 ATV1826 ATV1828 ATV2018 ATV2218 ATV2418	ATV2618 ATV2818 ATV21018 ATV3018 ATV3218 ATV3418 ATV3818 ATV4018 ATV4418 ATV5018 ATV5418 ATV5818 ATV6018 ATV20110 ATV22110 ATV24110 ATV26110 ATV28110 ATV210110 ATV30110 ATV32110 ATV34110	ATV38110 ATV40110 ATV44110 ATV48110 ATV50110 ATV54110 ATV58110 ATV60110 ATV2020 ATV2022 ATV2024 ATV2026 ATV2028 ATV2420 ATV2620 ATV2820 ATV21020 ATV3020 ATV3220 ATV3420	ATV3820 ATV4020 ATV4420 ATV4820 ATV5020 ATV5420 ATV5820 ATV6020 ATV2422 ATV2622 ATV2822 ATV21022 ATV3022 ATV3222 ATV3422 ATV3822 ATV4022	ATV4422 ATV4822 ATV5022 ATV5422 ATV5822 ATV6022 ATV2424 ATV2426 ATV2428 ATV2624 ATV2824 ATV21024 ATV3024 ATV3224 ATV3424 ATV3824 ATV4024	ATV4424 ATV4824 ATV5024 ATV5424 ATV5824 ATV6024 ATV2626 ATV2628 ATV2826	ATV21026 ATV3026 ATV3226 ATV3426 ATV3826 ATV4026 ATV4426 ATV5826 ATV6026	ATV4826 ATV5026 ATV5426 ATV2828 ATV21028 ATV3028 ATV3228 ATV3428	ATV3828 ATV4028 ATV4428 ATV4828 ATV5428 ATV5828 ATV6028	ATV5028		

	3,000	4,000					5,000		6,000	7,000
A-Series Frenchwood® Patio Door Transoms Sash-Set	FWTD-1-81110 FWTD-1-9610 FWTD-1-81114 FWTD-1-9614	FWTD-1-2110 FWTD-1-2710 FWTD-1-2910 FWTD-1-3110 FWTD-1-3310 FWTD-2-4010 FWTD-2-5010 FWTD-2-5410 FWTD-2-6010 FWTD-2-6410 FWTD-3-7110 FWTD-3-81110 FWTD-3-9610 FWTD-1-4010 FWTD-1-5010 FWTD-1-5410 FWTD-1-6010	FWTD-1-6410 FWTD-1-7010 FWTD-1-71110 FWTD-1-8010 FWTD-1-2114 FWTD-1-2714 FWTD-1-2914 FWTD-1-3114 FWTD-1-3314 FWTD-2-4014 FWTD-2-5014 FWTD-2-5414 FWTD-2-6014 FWTD-2-6414 FWTD-3-7114 FWTD-3-81114 FWTD-3-9614	FWTD-1-4014 FWTD-1-5014 FWTD-1-5414 FWTD-1-6014 FWTD-1-6414 FWTD-1-7014 FWTD-1-71114 FWTD-1-8014 FWTD-1-2118 FWTD-1-2718 FWTD-1-2918 FWTD-1-3118 FWTD-1-3318 FWTD-2-4018 FWTD-2-5018 FWTD-2-5418 FWTD-2-6018	FWTD-2-6418 FWTD-3-7118 FWTD-3-81118 FWTD-3-9618 FWTD-1-4018 FWTD-1-5018 FWTD-1-5418 FWTD-1-6018 FWTD-1-6418 FWTD-1-7018 FWTD-1-71118 FWTD-1-8018 FWTD-1-81118 FWTD-1-9618 FWTD-1-2120 FWTD-1-2720 FWTD-1-2920	FWTD-1-3120 FWTD-1-3320 FWTD-2-4020 FWTD-2-5020 FWTD-2-5420 FWTD-2-6020 FWTD-2-6420 FWTD-3-7120 FWTD-3-81120 FWTD-3-9620 FWTD-1-5420 FWTD-1-6020 FWTD-1-6420 FWTD-1-7020 FWTD-1-2124 FWTD-2-4024	FWTD-1-4020 FWTD1-15020 FWTD-1-71120 FWTD-1-8020 FWTD-1-81120 FWTD-1-9620 FWTD-1-2724 FWTD-1-2924 FWTD-1-3124 FWTD-1-3324 FWTD-2-5024	FWTD-2-5424 FWTD-2-6024 FWTD-2-6424 FWTD-3-7124 FWTD-3-81124 FWTD-3-9624 FWTD-1-4024 FWTD-1-5024 FWTD-1-5424 FWTD-1-6024	FWTD-1-6424 FWTD-1-7024 FWTD-1-71124 FWTD-1-8024 FWTD-1-81124 FWTD-1-9624	
A-Series Frenchwood® Patio Door Transoms Direct-Set	FWTDS81110 FWTDS9610	FWTDS2110 FWTDS2710 FWTDS2910 FWTDS3110 FWTDS3310 FWTDS4010 FWTDS5010 FWTDS5410 FWTDS6010	FWTDS6410 FWTDS7010 FWTDS71110 FWTDS8010 FWTDS2114 FWTDS2714 FWTDS2914 FWTDS3114 FWTDS3314	FWTDS4014 FWTDS5014 FWTDS5414 FWTDS6014 FWTDS6414 FWTDS7014 FWTDS71114 FWTDS8014 FWTDS81114	FWTDS9614 FWTDS2118 FWTDS2718 FWTDS2918 FWTDS5018 FWTDS5418 FWTDS6018 FWTDS6418		FWTDS3118 FWTDS3318 FWTDS4018 FWTDS7018 FWTDS71118 FWTDS8018 FWTDS81118 FWTDS9618 FWTDS2120	FWTDS2720 FWTDS2920 FWTDS3120 FWTDS3320 FWTDS4020 FWTDS5020 FWTDS5420 FWTDS2124	FWTDS6020 FWTDS6420 FWTDS7020 FWTDS71120 FWTDS8020 FWTDS81120 FWTDS9620 FWTDS2724 FWTDS2924 FWTDS3124	FWTDS3324 FWTDS4024 FWTDS5024 FWTDS5424 FWTDS6024 FWTDS6424 FWTDS7024 FWTDS71124 FWTDS8024 FWTDS81124
A-Series Frenchwood® Sidelight Transoms		FWSLTD-1-1310 FWSLTD-1-1710 FWSLTD-1-1314 FWSLTD-1-1714 FWSLTD-1-1318	FWSLTD-1-1718 FWSLTD-1-1320 FWSLTD-1-1720 FWSLTD-1-1324 FWSLTD-1-1724	FWSTDS1310 FWSTDS1710 FWSTDS1314 FWSTDS1714 FWSTDS1318	FWSTDS1718 FWSTDS1320 FWSTDS1720 FWSTDS1324 FWSTDS1724					
A-Series Frenchwood® Sidelights							FWSLD1368 FWSLD13611 FWSLD1380	FWSLD1768 FWSLD17611 FWSLD1780		

	8,000	10,000					
A-Series Frenchwood® Patio Doors	FWHID2168 FWHID21611 FWHID2180 FWOD2168 FWOD21611 FWOD2180	FWGD2968 FWGD29611 FWGD2980 FWGD3368 FWGD33611 FWGD3380 FWGD3968	FWGD39611 FWGD3980 FWGD4368 FWGD43611 FWGD4380 FWGD-3-91068 FWGD-3-910611	FWGD-3-91080 FWGD-3-111068 FWGD-3-1110611 FWGD-3-111080 FWHID2768 FWHID27611 FWHID2780	FWHID2968 FWHID29611 FWHID2980 FWHID3168 FWHID31611 FWHID3180 FWHID3368	FWHID33611 FWHID3380 FWOD2768 FWOD27611 FWOD2780 FWOD2968 FWOD29611	FWOD2980 FWOD3168 FWOD31611 FWOD3180 FWOD3368 FWOD33611 FWOD3380

- Deflection of glass will occur on units with larger glass areas. If interior/exterior grilles are used on double-hung windows, gliding windows or gliding patio doors, some interference may occur, affecting operation of these units.
- Altitude limits for patio doors shown in two-panel configurations. These limits also qualify for same size panels used in one or multiple panel configurations.
- **Contact your Andersen supplier for altitude limits for custom size windows and doors.**

Andersen® Window and Patio Door Altitude Limits — Triple-Pane Glass

The chart below gives the altitude limit in feet for most A-Series products in this catalog. If the installation of a given product is at an altitude greater than that shown in this chart, a capillary breather tube must be ordered. Be aware that the use of a capillary breather tube eliminates argon gas blend fill and will result in slightly lower thermal performance (approximately 0.02 increase in U-Factor). For NFRC certified total unit performance on units with capillary breather tubes for higher altitude applications, please visit **andersenwindows.com/nfrc**.

The use of triple-pane insulating glass at altitudes higher than its rating will result in severe glass distortion, increased glass breakage potential and a risk of seal failure.

Smaller windows are most affected by altitude changes. An increase in altitude results in a decrease in atmospheric pressure. A sealed insulating glass unit attempts to combat this change by increasing its volume to reduce its pressure. One way to increase its volume is by glass deflection. A smaller window is stiffer and does not deflect as much as a larger window; therefore, it cannot relieve the pressure as readily. Thus the load applied to the glass is greater, resulting in a greater risk for breakage. Another way the window tries to increase its volume is by increasing the edge area; i.e. the seal area. The increased pressure applied to the edge seal load for smaller windows is therefore greater, increasing the chance for seal failure.

Product	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000
A-Series Casement Windows		ACW1820 ACW1824 ACW1828 ACW1830 ACW1834 ACW1838 ACW1840 ACW1844 ACW1848 ACW1850 ACW1854 ACW1858 ACW1860 ACW2020 ACW2024 ACW2028 ACW2030 ACW2034 ACW2038 ACW2040 ACW2044 ACW2048 ACW2050 ACW2054 ACW2058 ACW2060 ACW2424 ACW2624 ACW2824	ACW2428 ACW2430 ACW2434 ACW2438 ACW2440 ACW2448 ACW2450 ACW2454 ACW2458 ACW2460 ACW2628 ACW2630 ACW2634 ACW2638 ACW2640 ACW2644 ACW2828 ACW21028 ACW3028	ACW2648 ACW2650 ACW2654 ACW2658 ACW2660 ACW2830 ACW2834 ACW2838 ACW2840 ACW2844 ACW2848 ACW21030 ACW21034 ACW21038 ACW21040 ACW21044 ACW21048 ACW21050 ACW3030 ACW3030	ACW2850 ACW2854 ACW2858 ACW2860 ACW21054 ACW21058 ACW21060 ACW3034 ACW3038 ACW3040 ACW3044 ACW3048 ACW3050 ACW3054	ACW3058 ACW3060		
A-Series Awning Windows	AAN1814 AAN2014 AAN2414 AAN2614 AAN2814 AAN21014 AAN3014 AAN3214 AAN3414 AAN3814 AAN4014 AAN4414 AAN4814 AAN5014 AAN5414 AAN5814 AAN6014	AAN1818 AAN2018 AAN2418 AAN2618 AAN2818 AAN21018 AAN3018 AAN3218 AAN3418 AAN3818 AAN4018 AAN4418 AAN4818 AAN5018 AAN5418 AAN5818 AAN6018 AAN18110 AAN1820 AAN2420 AAN20110 AAN24110 AAN26110 AAN28110 AAN210110 AAN30110 AAN32110 AAN34110 AAN38110 AAN40110 AAN44110 AAN48110 AAN50110 AAN54110 AAN58110 AAN60110 AAN2020 AAN2420 AAN2620 AAN2820 AAN21020 AAN3020 AAN3220 AAN3420 AAN3820 AAN4020 AAN4420 AAN4820 AAN5020 AAN5420 AAN5820 AAN6020 AAN2024 AAN2028 AAN2030 AAN2424 AAN2624 AAN2824 AAN21024 AAN3024 AAN3224 AAN3424 AAN3824	AAN4024 AAN4424 AAN4824 AAN5024 AAN5424 AAN5824 AAN6024 AAN2428 AAN2430 AAN2628 AAN2630 AAN2828 AAN21028 AAN3028 AAN3228 AAN3428 AAN3828 AAN4028 AAN4428	AAN4828 AAN5028 AAN5428 AAN5828 AAN6028 AAN2830 AAN21030 AAN3030 AAN3230 AAN3430 AAN3830 AAN4030 AAN4430 AAN4830 AAN5030		AAN5430 AAN5830 AAN6030		
A-Series Double-Hung Windows		ADH1830 ADH1834 ADH1838 ADH1840 ADH1844 ADH1848 ADH1850 ADH1854 ADH1858 ADH1860 ADH1864 ADH1868 ADH1874 ADH1880 ADH2030 ADH2430 ADH2630 ADH2830 ADH21030 ADH3030 ADH3230 ADH3430 ADH3830 ADH4030 ADH2034 ADH2434 ADH2634 ADH2834 ADH21034 ADH3034 ADH3234 ADH3434 ADH3834 ADH4034 ADH2038 ADH2438 ADH2638 ADH2838 ADH21038 ADH3038 ADH3238 ADH3438 ADH3838 ADH4038 ADH2044 ADH2444 ADH2644 ADH2844 ADH21044 ADH3044 ADH3244 ADH3444 ADH3844 ADH2048 ADH2050 ADH2054 ADH2058 ADH2064 ADH2068 ADH2074 ADH2080 ADH2438 ADH2640 ADH2840 ADH21040 ADH3040 ADH3240 ADH3440 ADH3840 ADH4040 ADH2444 ADH2448 ADH2450 ADH2454 ADH2458 ADH2460 ADH2464 ADH2468 ADH2474 ADH2480 ADH2644 ADH21044 ADH2844 ADH3044 ADH3244 ADH3444 ADH4044 ADH2648 ADH2650 ADH2654 ADH2658 ADH2660 ADH2664 ADH2668 ADH2674 ADH2680 ADH2848 ADH21048 ADH3048 ADH3248 ADH3448 ADH3848 ADH4048	ADH2850 ADH2854 ADH2858 ADH2860 ADH2864 ADH2868 ADH2874 ADH2880 ADH21050 ADH3050 ADH3250 ADH3450 ADH3850 ADH4050 ADH21054 ADH21058 ADH21060 ADH21064 ADH21068 ADH21074 ADH21080 ADH3054 ADH3254 ADH3454 ADH3854 ADH4054	ADH3058 ADH3060 ADH3064 ADH3068 ADH3074 ADH3080 ADH3258 ADH3458 ADH3858 ADH4058 ADH3260 ADH3264 ADH3268 ADH3274 ADH3280 ADH3460 ADH3860 ADH4060	ADH3464 ADH3468 ADH3474 ADH3480 ADH3864 ADH4064 ADH3868 ADH4068	ADH3874 ADH3880	ADH4074 ADH4080
	3,000	4,000						
A-Series Picture Windows	APW1414 APW1814 APW2014 APW2414 APW2614 APW2814 APW21014 APW3014 APW3214 APW3414 APW3814 APW4014 APW4414 APW4814 APW5014 APW5414 APW5814 APW6014 APW6414 APW6814 APW7014 APW7414 APW7814 APW8014 APW1418 APW14110 APW1420 APW1424 APW1428 APW1430 APW1434 APW1438 APW1440 APW1444 APW1448 APW1450 APW1454	APW1458 APW1460 APW1464 APW1468 APW1470 APW1474 APW1478 APW1480 APW1818 APW2018 APW2218 APW2418 APW2618 APW2818 APW21018 APW3018 APW3218 APW3418 APW3818 APW4018 APW4418 APW4818 APW5018 APW5418 APW5818 APW6018 APW6418 APW6818 APW7018 APW7418 APW7818 APW8018 APW18110 APW1820 APW1824 APW1828 APW1830 APW1834 APW1838 APW1840 APW1844 APW1848 APW1850 APW1854 APW1858 APW1860 APW1864 APW1868 APW1870 APW1874 APW1878 APW1880 APW20110 APW24110 APW26110 APW28110 APW30110 APW32110 APW34110 APW38110 APW40110 APW44110 APW48110 APW50110 APW54110 APW58110 APW60110 APW64110 APW68110 APW70110 APW74110 APW78110 APW80110 APW8020	APW2020 APW2420 APW2620 APW2820 APW21020 APW3020 APW3220 APW3420 APW3820 APW4020 APW4420 APW4820 APW5020 APW5420 APW5820 APW6020 APW6420 APW6820 APW7020 APW7420 APW7820 APW2024 APW2028 APW2030 APW2034 APW2038 APW2040 APW2044 APW2048 APW2050 APW2054 APW2058 APW2060 APW2064 APW2068 APW2074 APW2078 APW2080 APW2424 APW2624 APW2824 APW21024 APW3024 APW3224 APW3424 APW3824 APW4024 APW8024 APW2428 APW2430 APW2434 APW2438 APW2440 APW8028	APW4424 APW4824 APW5024 APW5424 APW5824 APW6024 APW6424 APW6824 APW7024 APW7424 APW7824 APW2444 APW2448 APW2450 APW2454 APW2458 APW2460 APW2464 APW2468 APW2470 APW2474 APW2478 APW2480 APW2628 APW2630 APW2634 APW2638 APW2640 APW2644 APW2648 APW2650 APW2654 APW2658 APW2660 APW2664 APW2668 APW2674 APW2680 APW2828 APW21028 APW3028 APW3228 APW3428 APW3828 APW4028 APW4428 APW4828 APW2830 APW2834 APW2838 APW2840 APW2844 APW2848 APW21078 APW21080 APW7430 APW7830 APW8030 APW3074 APW3078 APW3080	APW5028 APW5428 APW5828 APW6028 APW6428 APW6828 APW7028 APW7428 APW7828 APW2850 APW2854 APW2858 APW2860 APW2864 APW2868 APW2874 APW2880 APW21030 APW21034 APW21038 APW21040 APW21044 APW21048 APW21050 APW21054 APW21058 APW21060 APW21064 APW21068 APW21070 APW21074 APW3030 APW3230 APW3430 APW3830 APW4030 APW4430 APW4830 APW5030 APW5430 APW5830 APW6030 APW6430 APW6830 APW7030 APW3058 APW3060 APW3064 APW3068 APW3070 APW3260 APW3264 APW3268 APW3434 APW3834 APW4034 APW4434 APW4834 APW5034 APW5434 APW5834 APW6034 APW7034 APW7434 APW7834 APW8034 APW3234 APW3454 APW3854 APW4054 APW4454 APW4854 APW5054 APW5454 APW5854 APW6054 APW6454 APW6854 APW7054 APW7454 APW7854 APW8054 APW5458 APW5858 APW6058 APW3238 APW3438 APW3838 APW4038 APW4438 APW4838 APW5038 APW5438 APW5838 APW6038 APW6438 APW6838 APW7038 APW7438 APW7838 APW8038 APW3448 APW3848 APW4048 APW4448 APW4848 APW5048 APW5448 APW5848 APW6048 APW6448 APW6848 APW7048 APW7448 APW7848 APW8048 APW3458 APW3858 APW4058 APW4458 APW4858 APW5058 APW5458 APW5858 APW6058 APW3468 APW3868 APW4068 APW4468 APW4868 APW5068 APW5468 APW5868 APW6068 APW6468 APW6868 APW7068 APW7468 APW7868 APW8068 APW3478 APW3878 APW4078 APW4478 APW4878 APW5078 APW5478 APW5878 APW6078 APW6478 APW6878 APW7078 APW7478 APW7878 APW8078 APW3488 APW3888 APW4088 APW4488 APW4888 APW5088 APW5488 APW5888 APW6088 APW6488 APW6888 APW7088 APW7488 APW7888 APW8088	APW4040 APW4440 APW4840 APW5040 APW5440 APW5840 APW6040 APW6440 APW6840 APW7040 APW7440 APW7840 APW8040 APW4078 APW4080 APW4470 APW4480 APW4868 APW4870 APW4874 APW4878 APW4880 APW5044 APW5444 APW5844 APW6044 APW6444 APW6844 APW7050 APW7450 APW7850 APW8050 APW5060 APW5064 APW5068 APW5070 APW5074 APW5078 APW5080	APW4448 APW4450 APW4454 APW4458 APW4460 APW4464 APW4468 APW4848 APW5048 APW5448 APW5848 APW6048 APW6448 APW6848 APW7048 APW7448 APW7848 APW8048 APW4850 APW4854 APW4858 APW4860 APW5050 APW5450 APW5850 APW5054 APW5058 APW5454 APW5854 APW6054 APW6454 APW6854 APW7054 APW7454 APW7854 APW8054 APW5458 APW5858 APW6058 APW6458 APW6858 APW7058 APW7458 APW7858 APW8058 APW5460 APW5860 APW6060 APW6460 APW6860 APW7060 APW7460 APW7860 APW8060 APW5464 APW5864 APW6064 APW5468 APW5868 APW6068 APW5470 APW5870 APW6070 APW5474 APW5874 APW6074 APW5478 APW5878 APW6078 APW5480 APW5880 APW6080

continued on next page

- Deflection of glass will occur on units with larger glass areas. If interior/exterior grilles are used on double-hung windows, gliding windows or gliding patio doors, some interference may occur, affecting operation of these units.
- Altitude limits for patio doors shown in two-panel configurations. These limits also qualify for same size panels used in one or multiple panel configurations.
- **Contact your Andersen supplier for altitude limits for custom size windows and doors.**

Andersen® Window and Patio Door Altitude Limits — Triple-Pane Glass *(continued)*

A-Series Fixed Transom Windows

3,000				4,000			5,000			6,000		7,000	8,000		9,000	10,000	
ATF1410	ATF4414	ATF1816	ATF5018	ATF20110	ATF5020	ATF3222	ATF4424	ATF3426	ATF2674	ATF5028	ATF3038	ATF3058	ATF3464	ATF4080	ATF3870	ATF4444	ATF5480
ATF1810	ATF4814	ATF2016	ATF5418	ATF24110	ATF5420	ATF3422	ATF4824	ATF3826	ATF2678	ATF5428	ATF3040	ATF3060	ATF3468	ATF7840	ATF4040	ATF4448	ATF5854
ATF2010	ATF5014	ATF2416	ATF5818	ATF26110	ATF5820	ATF3822	ATF5024	ATF4026	ATF2680	ATF5828	ATF3044	ATF3064	ATF6434	ATF8040	ATF4044	ATF4450	ATF5858
ATF2410	ATF5414	ATF2616	ATF6018	ATF28110	ATF6020	ATF4022	ATF5424	ATF4426	ATF2828	ATF6028	ATF3048	ATF3068	ATF6834	ATF4470	ATF4048	ATF4454	ATF5860
ATF2610	ATF5814	ATF2816	ATF6418	ATF210110	ATF6420	ATF4422	ATF5824	ATF4826	ATF21028	ATF6428	ATF3050	ATF3070	ATF3838	ATF4474	ATF4050	ATF4458	ATF5864
ATF2810	ATF6014	ATF21016	ATF6818	ATF30110	ATF6820	ATF4822	ATF6024	ATF5026	ATF3028	ATF6828	ATF3054	ATF5830	ATF3840	ATF4478	ATF4054	ATF4460	ATF5868
ATF21010	ATF6414	ATF3016	ATF7018	ATF32110	ATF7020	ATF5022	ATF6424	ATF5426	ATF3228	ATF7028	ATF3230	ATF6030	ATF3844	ATF4480	ATF4058	ATF4464	ATF5870
ATF3010	ATF6814	ATF3216	ATF7418	ATF34110	ATF7420	ATF5422	ATF6824	ATF5826	ATF3428	ATF7428	ATF3430	ATF6430	ATF3848	ATF7044	ATF4060	ATF4468	ATF5874
ATF3210	ATF7014	ATF3416	ATF7818	ATF38110	ATF7820	ATF5822	ATF7024	ATF6026	ATF3828	ATF7828	ATF3830	ATF6830	ATF3850	ATF7444	ATF4064	ATF4844	ATF5878
ATF3410	ATF7414	ATF3816	ATF8018	ATF40110	ATF2022	ATF6022	ATF7424	ATF6426	ATF4028	ATF2850	ATF4030	ATF3260	ATF3854	ATF7844	ATF4068	ATF5044	ATF5880
ATF3810	ATF7814	ATF4016	ATF18110	ATF44110	ATF2024	ATF6422	ATF7824	ATF6826	ATF4428	ATF2854	ATF4430	ATF3264	ATF3858	ATF8044	ATF4070	ATF5444	ATF6054
ATF4010	ATF8014	ATF4416	ATF1820	ATF48110	ATF2026	ATF6822	ATF2444	ATF7026	ATF4828	ATF2858	ATF4830	ATF3268	ATF3860	ATF4864	ATF4440	ATF5844	ATF6058
ATF4410	ATF1416	ATF4816	ATF1822	ATF50110	ATF2028	ATF7022	ATF2448	ATF7426	ATF8028	ATF2860	ATF5030	ATF3434	ATF3864	ATF4868	ATF4840	ATF6044	ATF6060
ATF4810	ATF1418	ATF5016	ATF1824	ATF54110	ATF2030	ATF7422	ATF2450	ATF7826	ATF2830	ATF2864	ATF5430	ATF3438	ATF3868	ATF4870	ATF5040	ATF6444	ATF6064
ATF5010	ATF14110	ATF5416	ATF1826	ATF58110	ATF2034	ATF7822	ATF2454	ATF2628	ATF2834	ATF2868	ATF3234	ATF3440	ATF4038	ATF4874	ATF5440	ATF6844	ATF6068
ATF5410	ATF1420	ATF5816	ATF1828	ATF60110	ATF2038	ATF8022	ATF2458	ATF2630	ATF2838	ATF2870	ATF3238	ATF3444	ATF4438	ATF4878	ATF5840	ATF4848	ATF6070
ATF5810	ATF1422	ATF6016	ATF1830	ATF64110	ATF2040	ATF2424	ATF2460	ATF2634	ATF2840	ATF2874	ATF3240	ATF3448	ATF4838	ATF4880	ATF6040	ATF4850	ATF6074
ATF6010	ATF1424	ATF6416	ATF1834	ATF68110	ATF2044	ATF2624	ATF2464	ATF2638	ATF2844	ATF2878	ATF3244	ATF3450	ATF5038	ATF6448	ATF6440	ATF4854	ATF6078
ATF6410	ATF1426	ATF6816	ATF1838	ATF70110	ATF2048	ATF2824	ATF2468	ATF2640	ATF2848	ATF2880	ATF3248	ATF3454	ATF5438	ATF6848	ATF6840	ATF4858	ATF6080
ATF6810	ATF1428	ATF7016	ATF1840	ATF74110	ATF2050	ATF21024	ATF2470	ATF2644	ATF21078	ATF21030	ATF3250	ATF3458	ATF5838	ATF7048	ATF5060	ATF4860	ATF6454
ATF7010	ATF1430	ATF7416	ATF1844	ATF78110	ATF2054	ATF3024	ATF2474	ATF2648	ATF21080	ATF21034	ATF3254	ATF3460	ATF6038	ATF7448	ATF5064	ATF5048	ATF6458
ATF7410	ATF1434	ATF7816	ATF1848	ATF80110	ATF2058	ATF3224	ATF2478	ATF2650	ATF3074	ATF21038	ATF3258	ATF3834	ATF6438	ATF7848	ATF5068	ATF5448	ATF6460
ATF7810	ATF1438	ATF8016	ATF1850	ATF2020	ATF2060	ATF3424	ATF2480	ATF2654	ATF3078	ATF21040	ATF3270	ATF4034	ATF6838	ATF8048	ATF5070	ATF5848	ATF6854
ATF8010	ATF1440	ATF1818	ATF1854	ATF2420	ATF2064	ATF3824	ATF2626	ATF2658	ATF3080	ATF21044	ATF3274	ATF4434	ATF4078		ATF5074	ATF6048	ATF6858
ATF1414	ATF1444	ATF2018	ATF1858	ATF2620	ATF2068	ATF4024	ATF2826	ATF2660	ATF7030	ATF21048	ATF3278	ATF4834			ATF5078	ATF5058	ATF6860
ATF1814	ATF1448	ATF2418	ATF1860	ATF2820	ATF2070	ATF8024	ATF21026	ATF2664	ATF7430	ATF21050	ATF3280	ATF5034			ATF5080	ATF5054	ATF7054
ATF2014	ATF1450	ATF2618	ATF1864	ATF21020	ATF2074	ATF2426	ATF3026	ATF2668	ATF7830	ATF21054	ATF3470	ATF5434			ATF6050	ATF5058	ATF7058
ATF2414	ATF1454	ATF2818	ATF1868	ATF3020	ATF2078	ATF2428	ATF3226	ATF2670	ATF8030	ATF21058	ATF3474	ATF5834			ATF6450	ATF5450	ATF7060
ATF2614	ATF1458	ATF21018	ATF1870	ATF3220	ATF2080	ATF2430				ATF21060	ATF3478	ATF6034			ATF6850	ATF5850	ATF7454
ATF2814	ATF1460	ATF3018	ATF1874	ATF3420	ATF2422	ATF2434				ATF21064	ATF3480	ATF3874			ATF7050	ATF5454	ATF7458
ATF21014	ATF1464	ATF3218	ATF1878	ATF3820	ATF2622	ATF2438				ATF21068	ATF7034	ATF3478			ATF7450	ATF5458	ATF7460
ATF3014	ATF1468	ATF3418	ATF1880	ATF4020	ATF2822	ATF2440				ATF21070	ATF7434	ATF3480			ATF7850	ATF5460	ATF7854
ATF3214	ATF1470	ATF3818	ATF8020	ATF4420	ATF21022	ATF8026				ATF21074	ATF7834	ATF7038			ATF8050	ATF5464	ATF7858
ATF3414	ATF1474	ATF4018		ATF4820	ATF3022					ATF3030	ATF8034	ATF7438				ATF5468	ATF7860
ATF3814	ATF1478	ATF4418								ATF3034		ATF7838				ATF5470	ATF8054
ATF4014	ATF1480	ATF4818										ATF8038				ATF5474	ATF8058
												ATF4074				ATF5478	ATF8060
												ATF7040					
												ATF7440					

A-Series Venting Transom Windows

3,000				4,000					5,000		6,000	7,000
ATV1814	ATV3814	ATV1816	ATV4816	ATV3218	ATV1822	ATV38110	ATV21020	ATV2022	ATV4022	ATV3224	ATV2626	ATV5026	ATV5028
ATV2014	ATV4014	ATV2016	ATV5016	ATV3418	ATV1824	ATV40110	ATV3020	ATV2024	ATV4422	ATV3424	ATV2826	ATV5426	ATV5428
ATV2414	ATV4414	ATV2416	ATV5416	ATV3818	ATV1826	ATV44110	ATV3220	ATV2026	ATV4822	ATV3824	ATV21026	ATV5826	ATV5828
ATV2614	ATV4814	ATV2616	ATV5816	ATV4018	ATV1828	ATV48110	ATV3420	ATV2028	ATV5022	ATV4024	ATV3026	ATV2828	
ATV2814	ATV5014	ATV2816	ATV6016	ATV4418	ATV20110	ATV50110	ATV3820	ATV2422	ATV5422	ATV4424	ATV3226	ATV21028	
ATV21014	ATV5414	ATV21016	ATV1818	ATV4818	ATV24110	ATV54110	ATV4020	ATV2622	ATV5822	ATV4824	ATV3426	ATV3028	
ATV3014	ATV5814	ATV3016	ATV2018	ATV5018	ATV26110	ATV58110	ATV4420	ATV2822	ATV6022	ATV5024	ATV3826	ATV3228	
ATV3214	ATV6014	ATV3216	ATV2418	ATV5418	ATV28110	ATV60110	ATV4820	ATV21022	ATV2424	ATV5424	ATV4026	ATV3428	
ATV3414		ATV3416	ATV2618	ATV5818	ATV210110	ATV2020	ATV5020	ATV3022	ATV2624	ATV5824	ATV4426	ATV3828	
		ATV3816	ATV2818	ATV6018	ATV30110	ATV2420	ATV5420	ATV3222	ATV2824	ATV6024	ATV4826	ATV4028	
		ATV4016	ATV21018	ATV18110	ATV32110	ATV2620	ATV5820	ATV3422	ATV21024	ATV2426	ATV2628	ATV4428	
		ATV4416	ATV3018	ATV1820	ATV34110	ATV2820	ATV6020	ATV3822	ATV3024	ATV2428		ATV4828	

A-Series Frenchwood® Patio Door Transoms

3,000				4,000					5,000	
FWTD-1-2110	FWTD-1-81110	FWTD-1-6414	FWTD-2-4014	FWTD-1-71110	FWTD-1-6418	FWTD-1-7020	FWTD-2-5418	FWTD-3-7118	FWTD-1-5024	
FWTD-1-2710	FWTD-1-9610	FWTD-1-7014	FWTD-2-5014	FWTD-1-8010	FWTD-1-7018	FWTD-1-71120	FWTD-2-6018	FWTD-3-81118	FWTD-1-5424	
FWTD-1-2910	FWTD-1-2114	FWTD-1-81114	FWTD-2-5414	FWTD-1-71114	FWTD-1-71118	FWTD-1-8020	FWTD-2-6418	FWTD-3-9618	FWTD-1-6024	
FWTD-1-3110	FWTD-1-2714	FWTD-1-9614	FWTD-2-6014	FWTD-1-8014	FWTD-1-8018	FWTD-1-81120	FWTD-2-4020	FWTD-3-7120	FWTD-1-6424	
FWTD-1-3310	FWTD-1-2914	FWTD-1-81118	FWTD-2-6414	FWTD-1-2118	FWTD-1-2120	FWTD-1-9620	FWTD-2-5020	FWTD-3-81120	FWTD-1-7024	
FWTD-1-4010	FWTD-1-3114	FWTD-1-9618	FWTD-3-7110	FWTD-1-2718	FWTD-1-2720	FWTD-1-2124	FWTD-2-5420	FWTD-3-9620	FWTD-1-71124	
FWTD-1-5010	FWTD-1-3314	FWTD-2-4010	FWTD-3-81110	FWTD-1-2918	FWTD-1-3120	FWTD-1-2724	FWTD-2-6020	FWTD-3-7124	FWTD-1-8024	
FWTD-1-5410	FWTD-1-4014	FWTD-2-5010	FWTD-3-9610	FWTD-1-3118	FWTD-1-3320	FWTD-1-2924	FWTD-2-6420	FWTD-3-81124	FWTD-1-81124	
FWTD-1-6010	FWTD-1-5014	FWTD-2-5410	FWTD-3-7114	FWTD-1-3318	FWTD-1-4020	FWTD-1-3124	FWTD-2-4024	FWTD-3-9624	FWTD-1-9624	
FWTD-1-6410	FWTD-1-5414	FWTD-2-6010	FWTD-3-81114	FWTD-1-4018	FWTD-1-5020	FWTD-1-3324	FWTD-2-5024			
FWTD-1-7010	FWTD-1-6014	FWTD-2-6410	FWTD-3-9614	FWTD-1-5018	FWTD-1-5420	FWTD-1-4024	FWTD-2-5424			
				FWTD-1-5418	FWTD-1-6020	FWTD-2-4018	FWTD-2-6024			
				FWTD-1-6018	FWTD-1-6420	FWTD-2-5018	FWTD-2-6424			

A-Series Frenchwood® Patio Door Transoms

FWTDS2110	FWTDS6010			FWTDS71110	FWTDS5414	FWTDS3118	FWTDS8018		FWTDS4020	FWTDS2924
FWTDS2710	FWTDS6410			FWTDS8010	FWTDS6014	FWTDS3318	FWTDS81118		FWTDS5020	FWTDS3124
FWTDS2910	FWTDS7010			FWTDS2114	FWTDS6414	FWTDS4018	FWTDS9618		FWTDS5420	FWTDS3324
FWTDS3110	FWTDS81110			FWTDS2714	FWTDS7014	FWTDS5018	FWTDS2120		FWTDS6020	FWTDS4024
FWTDS3310	FWTDS9610			FWTDS2914	FWTDS71114	FWTDS5418	FWTDS2720		FWTDS6420	FWTDS5024
FWTDS4010	FWTDS81114			FWTDS3114	FWTDS8014	FWTDS6018	FWTDS2920		FWTDS7020	FWTDS5424
FWTDS5010	FWTDS9614			FWTDS3314	FWTDS2118	FWTDS6418	FWTDS3120		FWTDS71120	FWTDS6024
FWTDS5410				FWTDS4014	FWTDS2718	FWTDS7018	FWTDS3320		WTDS8020	FWTDS6424
				FWTDS5014	FWTDS2918	FWTDS71118			FWTDS81120	FWTDS7024
									FWTDS9620	FWTDS71124
									FWTDS2124	FWTDS8024
									FWTDS2724	

A-Series Frenchwood® Sidelight Transoms

FWSLTD-1-1310	FWSTDS-1-1710			FWSTDS-1-1314	FWSLTD-1-1718	FWSLTD-1-1320	FWSTDS-1-1720		FWSTDS-1-1324	
FWSTDS-1-1310	FWSLTD-1-1314			FWSTDS-1-1714	FWSTDS-1-1318	FWSTDS-1-1720	FWSLTD-1-1324		FWSTDS-1-1724	
FWSLTD-1-1710	FWSLTD-1-1714			FWSLTD-1-1318	FWSTDS-1-1718	FWSTDS-1-1320	FWSLTD-1-1724			

A-Series Frenchwood® Sidelights

				FWSLD1368	FWSLD1380				FWSLD1768	FWSLD1780
				FWSLD13611					FWSLD17611	

A-Series Frenchwood® Patio Doors

7,000		10,000								
FWOD2168	FWOD4068	FWGD2968	FWGD-4-91080	FWGD-4-1110611	FWGD8068	FWHID2780	FWHID29611	FWOD3168	FWHID6080	FWOD64611
FWOD21611	FWOD40611	FWGD29611	FWGD3368	FWGD-4-111080	FWGD80611	FWOD5068	FWHID2980	FWOD31611	FWHID81168	FWOD6464
FWOD2180	FWOD4080	FWGD2980	FWGD33611	FWGD3968	FWGD8080	FWOD50611	FWOD5468	FWOD3180	FWHID811611	FWOD64611
FWOD4068	FWHID4068	FWGD5068	FWGD3380	FWGD39611	FWGD-4-151068	FWOD5080	FWOD54611	FWHID3168	FWHID81180	FWOD6464
FWHID2168	FWHID40611	FWGD50611	FWGD6068	FWGD3980	FWGD-4-1510611	FWHID5068	FWOD5480	FWHID31611	FWOD3368	FWHID6468
FWHID21611	FWHID4080	FWGD5080	FWGD60611	FWGD7068	FWGD-4-151080	FWHID50611	FWHID5468	FWHID3180	FWOD33611	FWHID64611
FWHID2180		FWGD91068	FWGD6080	FWGD70611	FWOD2768	FWHID5080	FWHID54611	FWOD6068	FWOD3380	FWHID6464
		FWGD910611	FWGD111068	FWGD7080	FWOD27611	FWOD2968	FWHID5480	FWOD60611	FWHID3368	FWHID9668
		FWGD91080	FWGD1110611	FWGD4368	FWOD2780	FWOD29611	FWHID71168	FWOD6080	FWHID33611	FWHID96611
		FWGD-4-91068	FWGD111080	FWGD43611	FWHID2768	FWOD2980	FWHID711611	FWHID6068	FWHID3380	FWHID9680
		FWGD-4-910611	FWGD-4-111068	FWGD4380	FWHID27611	FWHID2968	FWHID71180	FWHID60611	FWOD6468	

- Deflection of glass will occur on units with larger glass areas. If interior/exterior grilles are used on double-hung windows, gliding windows or gliding patio doors, some interference may occur, affecting operation of these units.
- Altitude limits for patio doors shown in two-panel configurations. These limits also qualify for same size panels used in one or multiple panel configurations.
- **Contact your Andersen supplier for altitude limits for custom size windows and doors.**

PRODUCT PERFORMANCE

PREFORMANCE 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^2).

(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^2 · 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		Structual Test Pressure	
R	LC	Pa	psf	L/s·m^2	cfm/ft^2	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.

WINDOW & DOOR MANUFACTURERS ASSOCIATION WDMA Hallmark Certified www.wdma.com	Andersen Corporation A-SERIES CASEMENT WINDOW Manufacturer stipulates certification as indicated below.
STANDARD	RATING
AAMA/WDMA/CSA 101/I.S.2/A440-11	CLASS LC(1) – PG50(2) – SIZE TESTED 35.3 X 71.3 in.(3) DP+50/-50(4)
AAMA/WDMA/CSA 101/I.S.2/A440-08	CLASS LC(1) – PG50(2) – SIZE TESTED 35.3 X 71.3 in.(3) DP+50/-50(4)

(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^2 (test pressure is always 1.57 psf and the allowable airflow is 0.3 cfm/ft^2), 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**.*

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/FT²
Casement Windows	Dual-Pane	Class LC-PG50 Size Tested 47" x 95"	50/50	27	23	< 0.2
	Triple-Pane		50/50	30	25	< 0.2
Awning Windows	Dual-Pane	Class LC-PG50 Size Tested 71" x 47"	50/50	28	22	< 0.2
	Triple-Pane		50/50	29	23	< 0.2
Double-Hung Windows	Dual-Pane	Class LC-PG50 Size Tested 47" x 95"	50/50	27	22	< 0.2
	Triple-Pane		50/50	28	23	< 0.2
Picture Windows	Dual-Pane	Class LC-PG50 Size Tested 71" x 95"	50/50	27	22	< 0.2
	Triple-Pane		50/50	30	25	< 0.2
Stationary Transom Windows	Dual-Pane	Class LC-PG50 Size Tested 71" x 39"	50/50	27	22	< 0.2
	Triple-Pane		50/50	31	24	< 0.2
Fixed Transom Windows	Dual-Pane	Class LC-PG50 Size Tested 71" x 35"	50/50	28	22	< 0.2
	Triple-Pane		50/50	28	23	< 0.2
Direct-Set Specialty Windows						
Rectangular	Dual-Pane	Class LC-PG50 Size Tested 125" x 84"	50/50	28	24	< 0.2
Arch	Dual-Pane	Class LC-PG50 Size Tested 125" x 84"	50/50	28	24	< 0.2
Springline™	Dual-Pane	Class LC-PG50 Size Tested 125" x 84"	50/50	28	24	< 0.2
Sash-Set Specialty Windows						
Rectangular	Dual-Pane	Class LC-PG50 Size Tested 125" x 75"	50/50	29	24	< 0.2
Springline™	Dual-Pane	Class LC-PG50 Size Tested 125" x 75"	50/50	29	24	< 0.2
Arch	Dual-Pane	Class LC-PG50 Size Tested 125" x 75"	50/50	29	24	< 0.2
Complementary Casement Windows						
Casement (venting)	Dual-Pane	Class LC-PG50 Size Tested 35" x 84"	50/50	†	†	< 0.2
Casement (stationary)	Dual-Pane	Class LC-PG60 Size Tested 120" x 78"	60/60	†	†	< 0.2
French Casement (venting)	Dual-Pane	Class LC-PG30 Size Tested 56" x 72"	30/30	†	†	< 0.2
Frenchwood® Gliding Patio Door						
Single Stationary (611, 80, 100)	Dual-Pane	Class LC-PG45 Size Tested 50" x 119"	45/45	30	25	< 0.2
Single Stationary (611, 80)	Triple-Pane	Class LC-PG45 Size Tested 50" x 95"	45/45	32	28	< 0.3
Single Stationary, PG Upgrade (611, 80)	Dual-Pane	Class LC-PG65 Size Tested 50" x 95"	65/80	30	25	< 0.2
Single Stationary, PG Upgrade (100)	Dual-Pane	Class LC-PG55 Size Tested 50" x 119"	55/55	30	25	< 0.2
Two-Panel (611, 80)	Dual-Pane	Class LC-PG50 Size Tested 95" x 95"	50/50	30	25	< 0.2
	Triple-Pane		50/50	29	25	< 0.2
Two-Panel (100)	Dual-Pane	Class LC-PG45 Size Tested 95" x 119"	45/45	29	25	< 0.2
Two-Panel, PG Upgrade (611)	Dual-Pane	Class LC-PG70 Size Tested 95" x 82"	70/80	†	†	< 0.2
Two-Panel, PG Upgrade (80, 100)	Dual-Pane	Class LC-PG55 Size Tested 95" x 119"	55/55	†	†	< 0.2
Three-Panel (611)	Dual-Pane	Class LC-PG50 Size Tested 141" x 82"	50/50	†	†	< 0.2
Three-Panel, PG Upgrade (611)	Dual-Pane	Class LC-PG65 Size Tested 141" x 82"	65/70	†	†	< 0.2
Three-Panel (80, 100)	Dual-Pane	Class LC-PG40 Size Tested 141" x 119"	40/40	†	†	< 0.2
Three-Panel, PG Upgrade (80, 100)	Dual-Pane	Class LC-PG50 Size Tested 141" x 119"	50/50	†	†	< 0.2
Three-Panel, PG Upgrade (80)	Dual-Pane	Class LC-PG50 Size Tested 141" x 199"	50/50	†	†	< 0.2
Four-Panel (611)	Dual-Pane	Class LC-PG50 Size Tested 189" x 82"	50/50	†	†	< 0.2
Four-Panel, PG Upgrade (611)	Dual-Pane	Class LC-PG65 Size Tested 189" x 82"	65/70	†	†	< 0.2
Four-Panel (80, 100)	Dual-Pane	Class LC-PG40 Size Tested 189" x 119"	40/40	†	†	< 0.2
Four-Panel, PG Upgrade (80, 100)	Dual-Pane	Class LC-PG50 Size Tested 189" x 119"	50/50	†	†	< 0.2
Frenchwood® Hinged Inswing Patio Door						
Single Stationary (611, 80, 100)	Dual-Pane	Class LC-PG45 Size Tested 38" x 119"	45/55	30	26	< 0.2
Single Stationary, PG Upgrade (611)	Dual-Pane	Class LC-PG65 Size Tested 38" x 82"	65/80	30	26	< 0.2
Single Stationary, PG Upgrade (80, 100)	Dual-Pane	Class LC-PG65 Size Tested 38" x 119"	65/70	30	26	< 0.2

continued on next page

- "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.

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**.*

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^2
Frenchwood® Hinged Inswing Patio Door *(continued)*						
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
Frenchwood® Hinged Outswing Patio Door						
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
Frenchwood® Patio Door Transoms & Sidelights and Venting Transom Windows						
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
Complementary Springline™ & Arch Inswing Patio Doors						
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
Complementary Springline™ & Arch Outswing Patio Doors						
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**.*

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/FT²
Folding Outswing Doors (up to 288" frame width)					
1L3R**	Class SP-PG40 Size Tested 159.8" x 95.5"*	40/45	30	24	< 0.2
2L2R	Class SP-PG40 Size Tested 159.0" x 95.5"*	40/45	30	24	< 0.2
1L3R**	Class SP-PG30 Size Tested 159.8" x 119.5"*	30/30	30	24	< 0.2
2L2R	Class SP-PG30 Size Tested 159.0" x 119.5"*	30/30	30	24	< 0.2
Residential Springline™ Inswing Entry Door††					
Single Stationary	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
Single Active**	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
Two-Panel Stationary	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
Two-Panel Active**	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
Residential Springline™ Outswing Entry Door††					
Single Stationary	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
Single Active**	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
Two-Panel Stationary	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
Two-Panel Active**	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
Residential Arch Inswing Entry Doors††					
Single Stationary	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
Single Active**	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
Two-Panel Stationary	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
Two-Panel Active**	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
Residential Arch Outswing Entry Doors††					
Single Stationary	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
Single Active**	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
Two-Panel Stationary	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
Two-Panel Active**	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
Residential Rectangular Inswing Entry Door††					
Single Stationary	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
Single Active**	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
Single Active (latch & deadbolt)	Class LC-PG25 Size Tested 74" x 95"	25/25	30	25	< 0.2
Two-Panel Stationary	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
Two-Panel Active**	Class LC-PG30 Size Tested 86" x 95"	30/35	30	25	< 0.2
Two-Panel Active (latch & deadbolt)	Class LC-PG25 Size Tested 74" x 95"	25/25	30	25	< 0.2
Residential Rectangular Outswing Entry Door††					
Single Stationary	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
Single Active**	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
Single Active (latch & deadbolt)	Class LC-PG25 Size Tested 74" x 95"	25/25	31	25	< 0.2
Two-Panel Stationary	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
Two-Panel Active**	Class LC-PG30 Size Tested 86" x 95"	30/35	31	25	< 0.2
Two-Panel Active (latch & deadbolt)	Class LC-PG25 Size Tested 74" x 95"	25/25	31	25	< 0.2
Residential Inswing Entry Door Sidelights	Class LC-PG35 Size Tested 28" x 95"	30/35	†	†	< 0.2
Residential Outswing Entry Doors Sidelights	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 ½".
**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 Entranceways

*For current performance information, please visit **andersenwindows.com**.*

Andersen® Product	ASTM E330-02	Structural Rating (DP)	Sound Transmission Class (STC)	Outdoor/Indoor Transmission Class (OITC)	Air Infiltration CFM/FT²
Commercial Rectangular Outswing Entry Door††					
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
Commercial Outswing Entry Door Sidelights††	+/- 35 Size Tested 45" x 95"	DP35	27	24	< 0.2
Commercial Rectangular Outswing Entry Door ††					
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**.*

	Andersen® Product	VT[1]	SC[2]	SHGC[3]	RHG[4]	Fading Tuv[5]	Fading Tdw[6]	%RH @ center[7]	IGST[8]
DUAL-PANE	**A-Series Windows and Patio Doors**								
	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
	Folding Doors, Entranceways & A-Series Complementary Curved Top Patio Doors	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**.*

	Andersen Product	VT[1]	SC[2]	SHGC[3]	RHG[4]	Fading Tuv[5]	Fading Tdw[6]	%RH @ center[7]	IGST[8]
DUAL-PANE	**A-Series Windows and Patio Doors**								
	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
	Folding Doors, Entranceways & A-Series Complementary Curved Top Patio Doors	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**.*

	Andersen Product	VT[1]	SC[2]	SHGC[3]	RHG[4]	Fading Tuv[5]	Fading Tdw[6]	%RH @ center[7]	IGST[8]
DUAL-PANE	**A-Series Windows and Patio Doors**								
	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
	Folding Doors, Entranceways & A-Series Complementary Curved Top Patio Doors	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 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**.*

	Andersen® Product	VT[1]	SC[2]	SHGC[3]	RHG[4]	Fading Tuv[5]	Fading Tdw[6]	%RH @ center[7]	IGST[8]
TRIPLE-PANE	**A-Series Windows and Patio Doors**								
	Low-E4								
	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
	Low-E4 Enhanced								
	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
	Low-E4 Enhanced with HeatLock® Technology								
	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**.*

	Andersen® Product	VT[1]	SC[2]	SHGC[3]	RHG[4]	Fading Tuv[5]	Fading Tdw[6]	%RH @ center[7]	IGST[8]
TRIPLE-PANE	**A-Series Windows and Patio Doors**								
	Low-E4								
	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
	Low-E4 Enhanced								
	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
	Low-E4 Enhanced with HeatLock® Technology								
	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 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**.*

Andersen® Product	High-Performance Dual-Pane Glass Type		U-Factor[1]	SHGC[2]	VT[3]
A-Series Casement 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
		Full Divided Light Grilles	0.28	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
		Full Divided Light Grilles	0.25	0.16	0.35
A-Series Awning 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
		Full Divided Light Grilles	0.28	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
		Full Divided Light Grilles	0.25	0.15	0.34
A-Series Double-Hung 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
		Full Divided Light Grilles	0.30	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
		Full Divided Light Grilles	0.27	0.18	0.40

Andersen® Product	High-Performance Dual-Pane Glass Type		U-Factor[1]	SHGC[2]	VT[3]
A-Series Picture 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
		Full Divided Light Grilles	0.30	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
		Full Divided Light Grilles	0.27	0.19	0.41
A-Series Venting Transom 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
		Full Divided Light Grilles	0.28	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
		Full Divided Light Grilles	0.25	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/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 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**.*

Andersen® Product	High-Performance Dual-Pane Glass Type		U-Factor[1]	SHGC[2]	VT[3]
A-Series Fixed Transom 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
		Full Divided Light Grilles	0.28	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
		Full Divided Light Grilles	0.25	0.19	0.42
A-Series Direct-Set Specialty 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
A-Series Sash-Set Specialty 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[1]	SHGC[2]	VT[3]
A-Series Complementary Casement 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
A-Series Frenchwood® Gliding Patio Door AND-N-99	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
		Full Divided Light Grilles	0.31	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
		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 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**.*

Andersen® Product	High-Performance Dual-Pane Glass Type		U-Factor[1]	SHGC[2]	VT[3]
A-Series Frenchwood® Hinged Inswing Patio Door 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
		Full Divided Light Grilles	0.31	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
		Full Divided Light Grilles	0.29	0.14	0.31
A-Series Frenchwood® Hinged Outswing Patio Door 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
		Full Divided Light Grilles	0.30	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
		Full Divided Light Grilles	0.28	0.14	0.31
A-Series Frenchwood® Patio Door Sidelight Transom 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
		Full Divided Light Grilles	0.28	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
		Full Divided Light Grilles	0.25	0.20	0.46

Andersen® Product	High-Performance Dual-Pane Glass Type		U-Factor[1]	SHGC[2]	VT[3]
A-Series Frenchwood® Patio Door Sidelight Transom 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
		Full 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
		Full Divided Light Grilles	0.27	0.15	0.34
A-Series Frenchwood® Patio Door Transom 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
		Full Divided Light Grilles	0.31	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
		Full Divided Light Grilles	0.28	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/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 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**.*

Andersen® Product	High-Performance Dual-Pane Glass Type		U-Factor[1]	SHGC[2]	VT[3]
A-Series Frenchwood® Patio Door Transom 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	-	-	-
		Full Divided Light Grilles	-	-	-
	Low-E4® SmartSun™ w/HeatLock®	Without Grilles	-	-	-
		Simulated Divided Light Grilles	-	-	-
		Finelight™ Grilles	-	-	-
		Energy Spacer Divided Light Grilles	-	-	-
		Full Divided Light Grilles	-	-	-
A-Series Frenchwood® Patio Door Sidelight 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
		Full Divided Light Grilles	0.30	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
		Full Divided Light Grilles	0.28	0.14	0.30
A-Series Complementary Inswing Patio Door 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[1]	SHGC[2]	VT[3]
A-Series Complementary Outswing Patio Door 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
A-Series Complementary Patio Door Sidelight 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 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**.*

Andersen® Product	High-Performance Dual-Pane Glass Type		U-Factor[1]	SHGC[2]	VT[3]
Folding Doors 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
Residential Inswing Entry Door* 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	-	-	-
Residential/Commercial Inswing Entry Door Transoms 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[1]	SHGC[2]	VT[3]
Residential Inswing Entry Door Sidelights* 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	-	-	-
Residential Outswing Entry Door* 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/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 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.

*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.

Andersen® NFRC Certified Total Unit Performance – Dual-Pane Glass *(continued)*

For current performance information, please visit ***andersenwindows.com****.*

Andersen® Product	High-Performance Dual-Pane Glass Type		U-Factor[1]	SHGC[2]	VT[3]
Residential/Commercial Outswing Entry Door Transom* 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
Residential Outswing Entry Door Sidelights* 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	-	-	-
Commercial Rectangular Outswing Entry Door* 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[1]	SHGC[2]	VT[3]
Commercial Outswing Entry Door Sidelights* 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 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.

*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.

PRODUCT PERFORMANCE

Andersen® NFRC Certified Total Unit Performance – Triple-Pane Glass

*For current performance information, please visit **andersenwindows.com**.*

Andersen® Product	High-Performance Triple-Pane Glass Type		U-Factor[1]	SHGC[2]	VT[3]
A-Series Casement 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	-	-	-
A-Series Awning 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	-	-	-
A-Series Double-Hung 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[1]	SHGC[2]	VT[3]
A-Series Picture 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	-	-	-
A-Series Venting Transom 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	-	-	-
A-Series Fixed Transom 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	-	-	-

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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 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 – Triple-Pane Glass *(continued)*

For current performance information, please visit ***andersenwindows.com****.*

Andersen® Product	High-Performance Triple-Pane Glass Type		U-Factor[1]	SHGC[2]	VT[3]
A-Series Specialty 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	-	-	-
A-Series Specialty 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	-	-	-
A-Series Frenchwood® Gliding Patio Door AND-N-99	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	-	-	-

Andersen® Product	High-Performance Triple-Pane Glass Type		U-Factor[1]	SHGC[2]	VT[3]
A-Series Frenchwood® 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	-	-	-
A-Series Frenchwood® 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	-	-	-
A-Series Frenchwood® 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	-	-	-

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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 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.

PRODUCT PERFORMANCE

Andersen® NFRC Certified Total Unit Performance – Triple-Pane Glass *(continued)*

*For current performance information, please visit **andersenwindows.com**.*

Andersen® Product	High-Performance Triple-Pane Glass Type		U-Factor[1]	SHGC[2]	VT[3]
A-Series Frenchwood® Patio Door Sidelight Transom 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	-	-	-
A-Series Frenchwood® Patio Door Transom 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	-	-	-
A-Series Frenchwood® Patio Door Transom 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	-	-	-

Andersen® Product	High-Performance Triple-Pane Glass Type		U-Factor[1]	SHGC[2]	VT[3]
A-Series Frenchwood® Patio Door Sidelight 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**.*

Andersen® Product	NFRC Rated Window Size	% Pre-Consumer Recycled Content
A-Series Windows and Patio Doors		
Casement Window	24" (610) x 48" (1219)	10%
Complementary Casement Window	24" (610) x 48" (1219)	5%
Awning Window	48" (1219) x 24" (610)	10%
Double-Hung Window	47" (1194) x 59" (1499)	10%
Picture Window	47" (1194) x 59" (1499)	6%
Fixed Transom Window	47" (1194) x 59" (1499)	5%
Venting Transom Window	47" (1194) x 59" (1499)	10%
Specialty Window	47" (1194) x 59" (1499)	5%
Frenchwood® Gliding Patio Door	79" (2007) x 79" (2007)	4%
Frenchwood® Hinged Inswing Patio Door	38" (965) x 82" (2083)	3%
Frenchwood® Hinged Outswing Patio Door	38" (965) x 82" (2083)	3%
Frenchwood® Patio Door Sidelight	24" (610) x 79" (2007)	3%
Frenchwood® Patio Door Transom	79" (2007) x 24" (610)	3%
Complementary Springline™ Patio Door	38" (965) x 82" (2083)	3%
Complementary Arch Patio Door	38" (965) x 82" (2083)	3%
Entranceways		
Residential Rectangular Entry Door	38" (965) x 82" (2083)	3%
Residential Springline™ Entry Door	38" (965) x 82" (2083)	3%
Residential Arch Entry Door	38" (965) x 82" (2083)	3%
Commercial Rectangular Outswing Entry Door	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.

• "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 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.

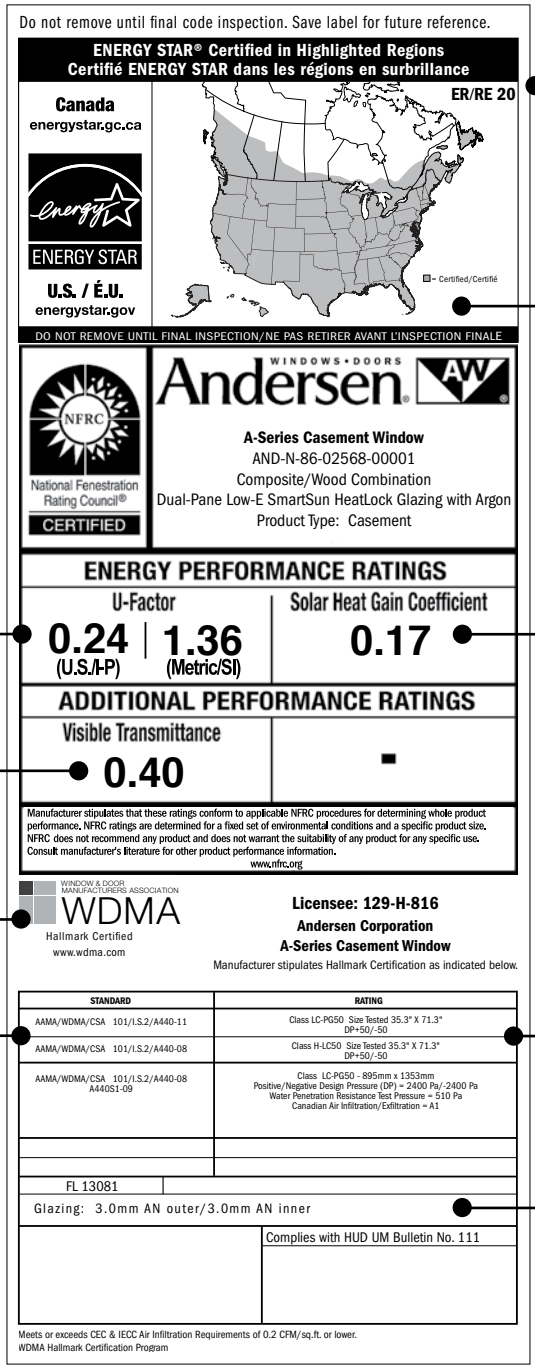
About the NFRC

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**

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.



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.

U-Factor indicates how well a product prevents heat from escaping (the lower the number, the better).

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).

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

Performance Grade (PG) and **Design Pressure (DP) Ratings**

Glass Construction used with this product type

• 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** for more information.

National Fenestration Rating Council®

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.

FSC www.fsc.org FSC® C016636 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.

WINDOW & DOOR MANUFACTURERS ASSOCIATION WDMA

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.

ENERGY STAR PARTNER

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 for details.

All logos and marks are trademarks of their respective owners.

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.**

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) joins. 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.

VINYL CHANNELS AND LAMINATED BOARD



Rigid vinyl "J," "h" and "H" channel and vinyl laminated board.

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.

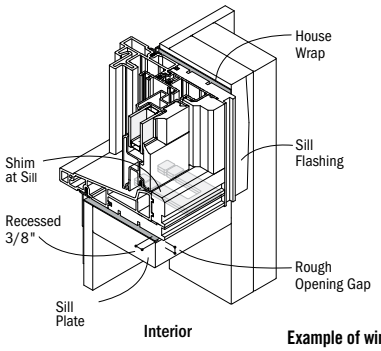
	COLOR	LENGTH	DEPTH	WIDTH
Fibrex® Trim Board	11 colors	120" (3048)	3/4" (19)	3 1/2" (89)
Vinyl Laminated Board	W,S,T	96" (2438)	1/2" (13)	24" (610)
	W	96" (2438) & 120 (3048)	1/2" (13)	48" (1219)
Rigid Vinyl "H" Channel	W	84" (2134) & 150" (3810)	3/4" (19)	1" (25)
	S,T	84" (2134) & 150" (3810)	3/4" (19)	3/4" (19)
Rigid Vinyl "h" Channel	W,S,T	150" (3810)	1/2" (13)	1" (25)
Rigid Vinyl "J" Channel	W,S,T	150" (3810)	1/2" (13)	3/4" (19)

INSTALLATION INFORMATION

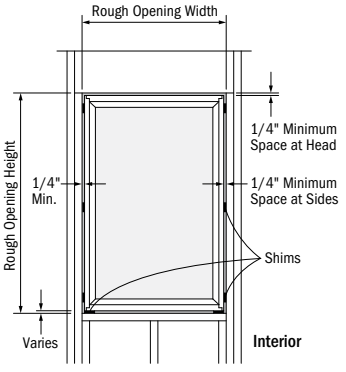
ROUGH OPENINGS

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.

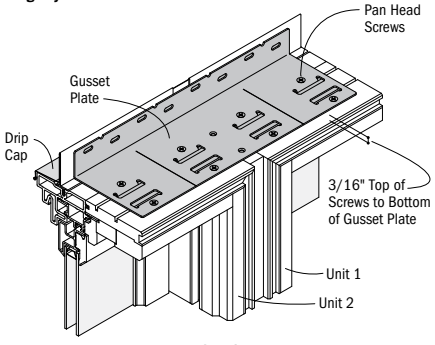
Keep in mind that rough opening dimensions may need to be altered from published guidelines, depending on installation methods, joining methods, replacement methods, etc. For example, flashing systems can reduce the amount of available rough opening space and should be factored in when calculating rough 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**).



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.** 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** or see your Andersen supplier.

Dimensions in parentheses are in millimeters.

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** 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**. 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 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:

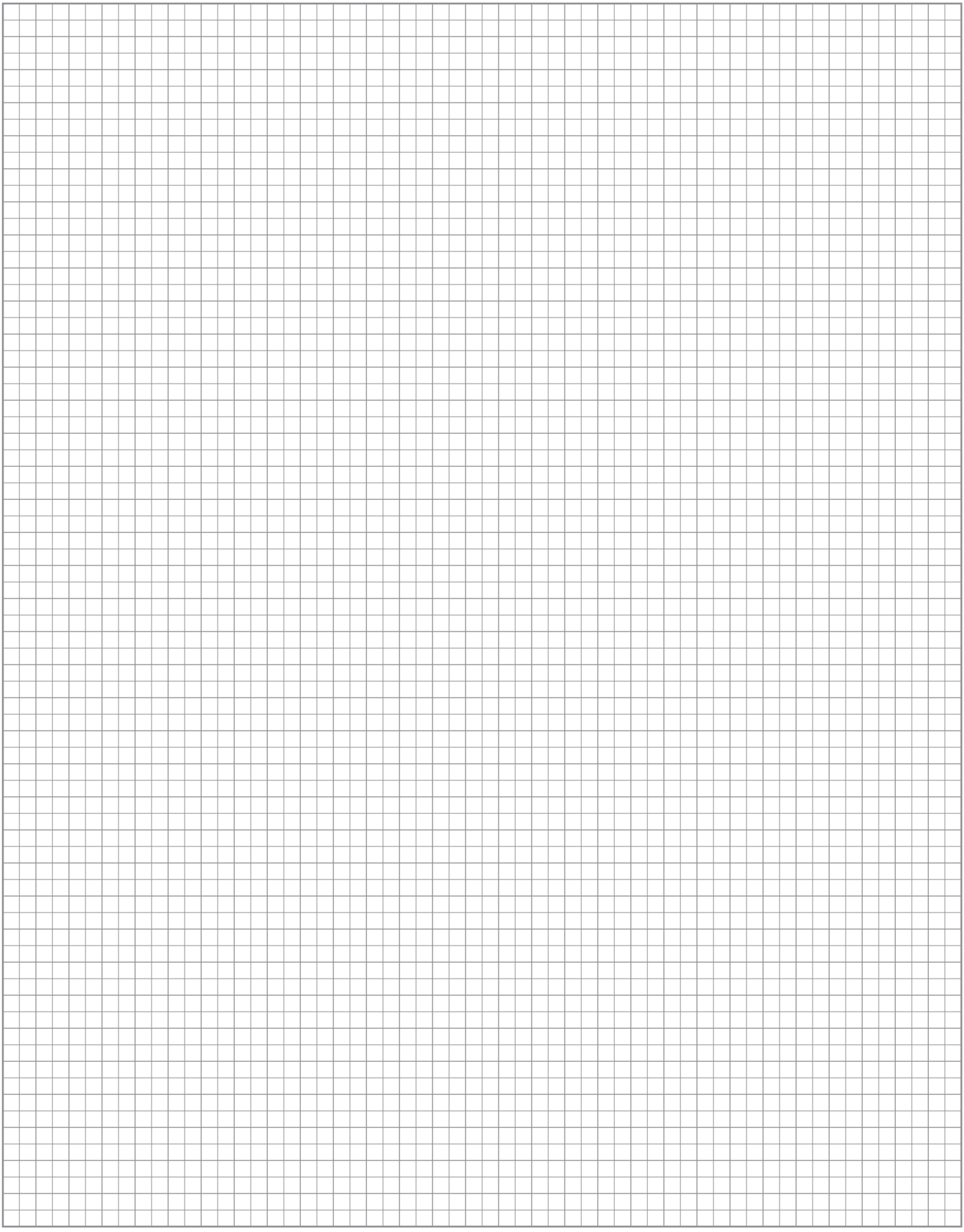
Andersen Corporation
LookOut For Kids Program
100 Fourth Avenue North
Bayport, MN 55003

LOOK OUT! for kids®

Call: 1-800-313-8889 Email: **lofk@andersencorp.com**

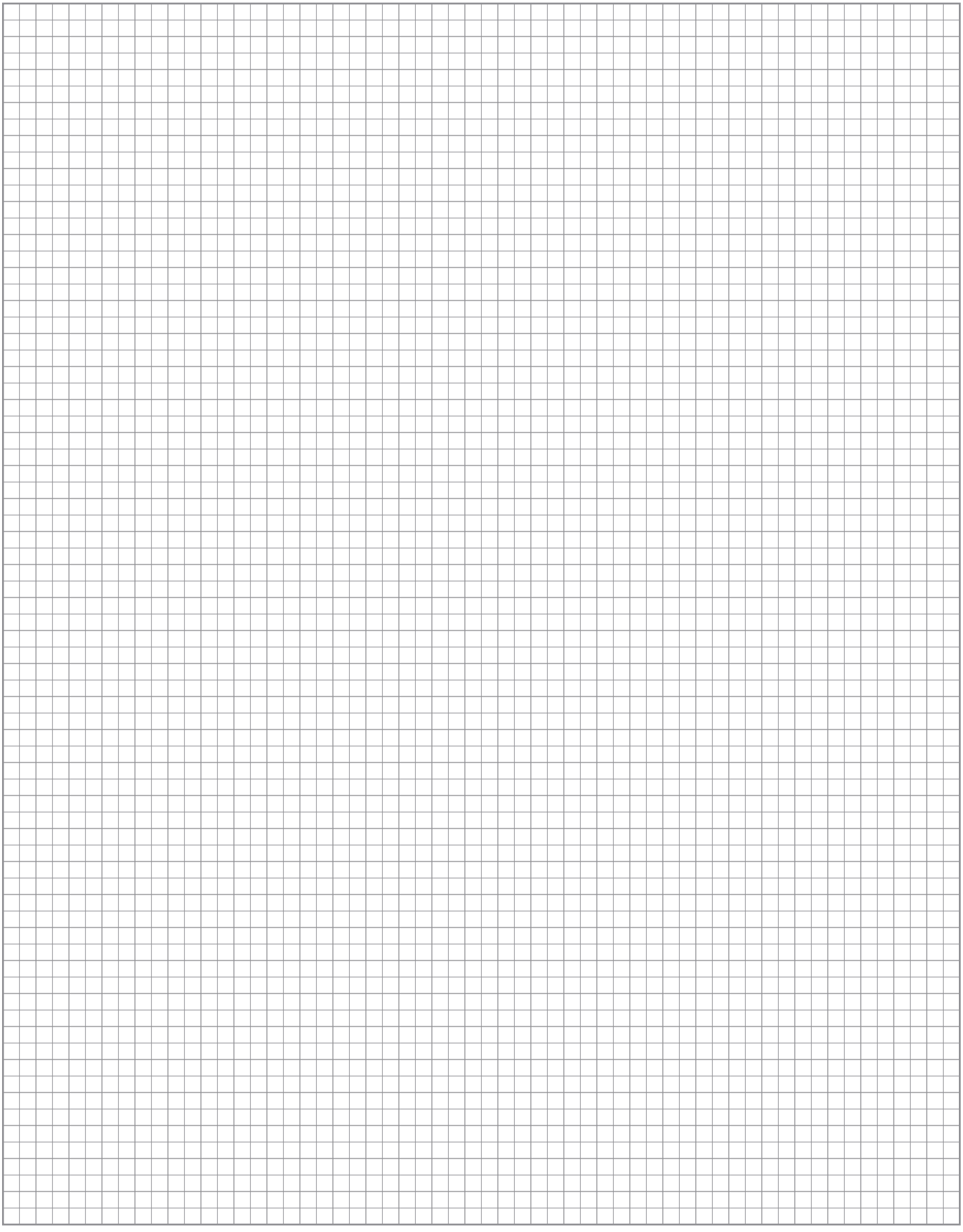
Dimensions in parentheses are in millimeters.

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Andersen WINDOWS • DOORS

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To watch a 3-minute tutorial on navigating catalog PDFs, go to: https://youtu.be/sWWnYn60N3Y

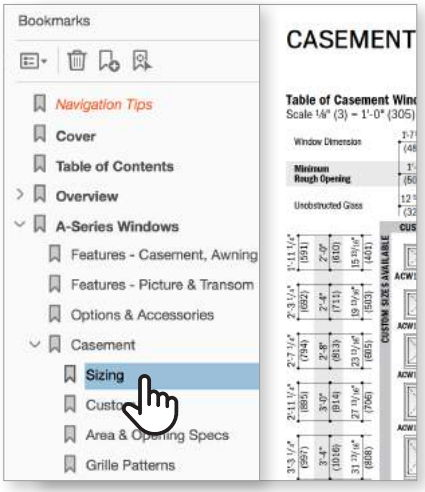
BOOKMARK NAVIGATION

①

Acrobat will display the bookmarks panel when you open the PDF.

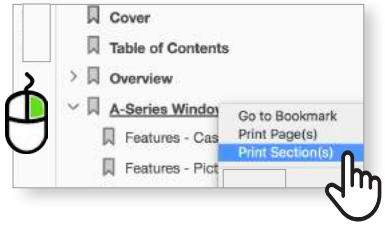
Bookmarks are the easiest way to find specific product information.

Select a topic and that page will be displayed.



②

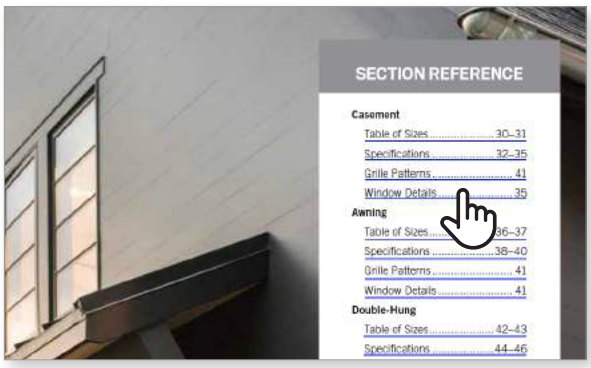
If you need to print a specific section, **right click on that section** within in the bookmarks panel and choose "**Print Section**."



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.

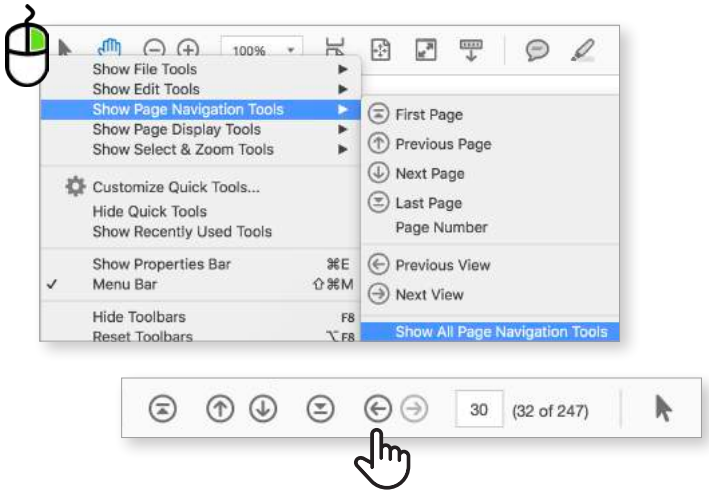


Add additional navigation tools by adjusting the default settings in Acrobat.

TOOL BAR NAVIGATION

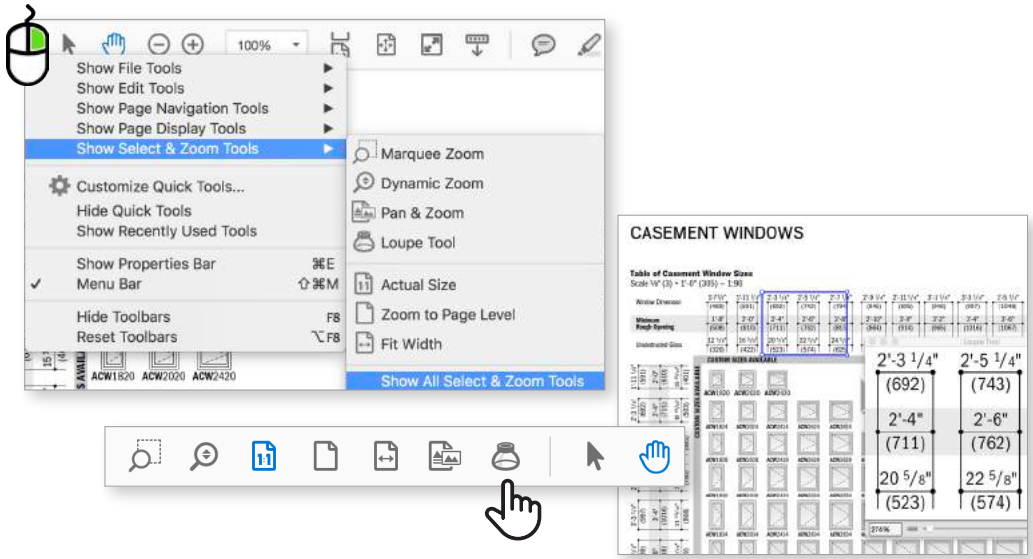
① To add a **"Jump Back" Button** to your tool bar. **Right click on tool bar**, select **Show Page Navigation Tools** and choose **Show All Page Navigation Tools.**

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.**