



100 SERIES
WINDOWS & DOORS

2011
PRODUCT
GUIDE

FOR PROFESSIONALS



ALL THE FEATURES YOU WANT. INCLUDING THE PRICE.

Whether you're replacing, remodeling or building, now you can bring Andersen beauty, craftsmanship and time-tested performance into a home for less than you may expect. Andersen® 100 Series windows and patio doors are made with our patented, revolutionary Fibrex® composite material, which allows us to offer an uncommon value others can't. It's environmentally responsible and energy efficient, and it comes in durable, deep, rich colors you can't get with vinyl.

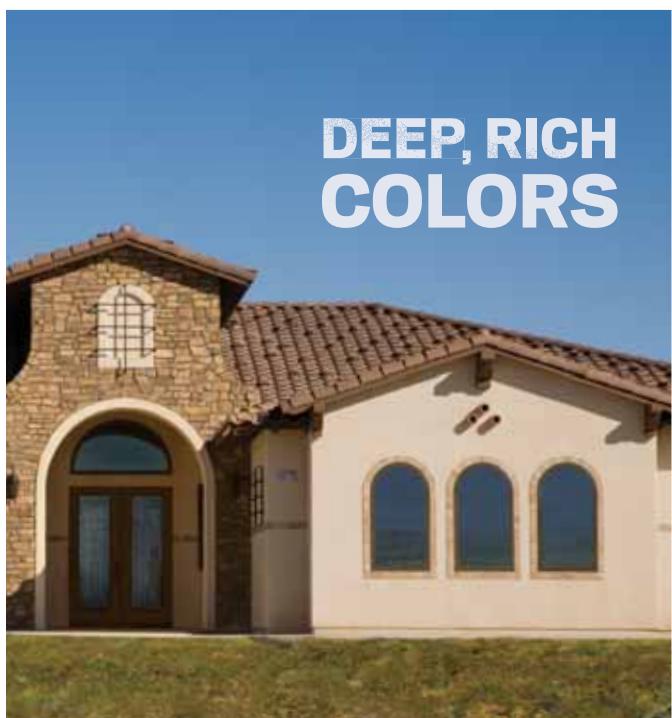


LONG-LASTING*
RELIABILITY

Durable Andersen® 100 Series products come with factory-finished interiors and exteriors that never need painting and won't fade, flake, blister, chalk or peel.*

*See the limited warranty for details

DEEP, RICH COLORS



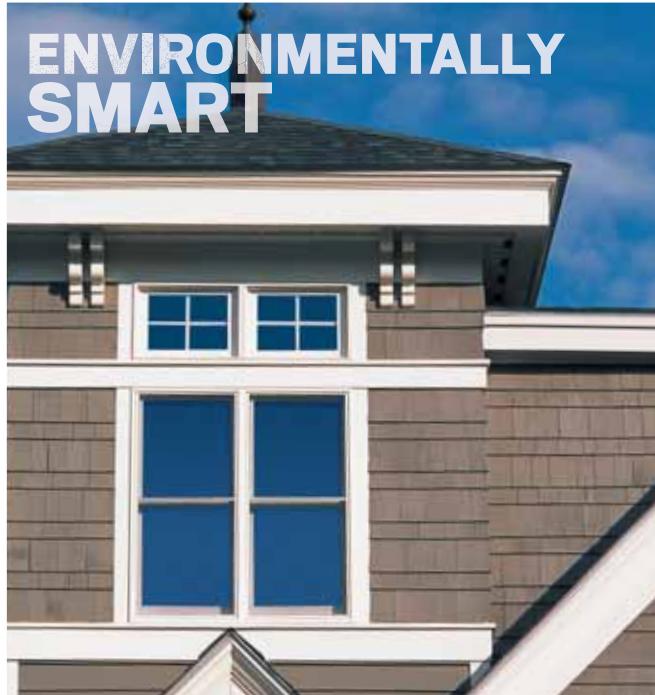
Andersen® 100 Series windows come in beautiful, dark colors that can set a home apart.

Deep, rich colors, including Dark Bronze, complement virtually any architectural style.

MADE POSSIBLE BY OUR EXCLUSIVE FIBREX® MATERIAL

Fibrex® material is more than just environmentally responsible. It's also durable and beautiful. Here's what helps make Fibrex material so revolutionary:

- Fibrex® material is **twice as strong as vinyl**, so weathertight seals stay weathertight.
- Our unique fabrication process **blends the color with the Fibrex® material** for long-lasting* beauty.
- It blocks thermal transfer nearly 700 times better than aluminum to help **reduce heating and cooling bills**.
- For **exceptional durability**, Fibrex® material retains its stability and rigidity in all climates.

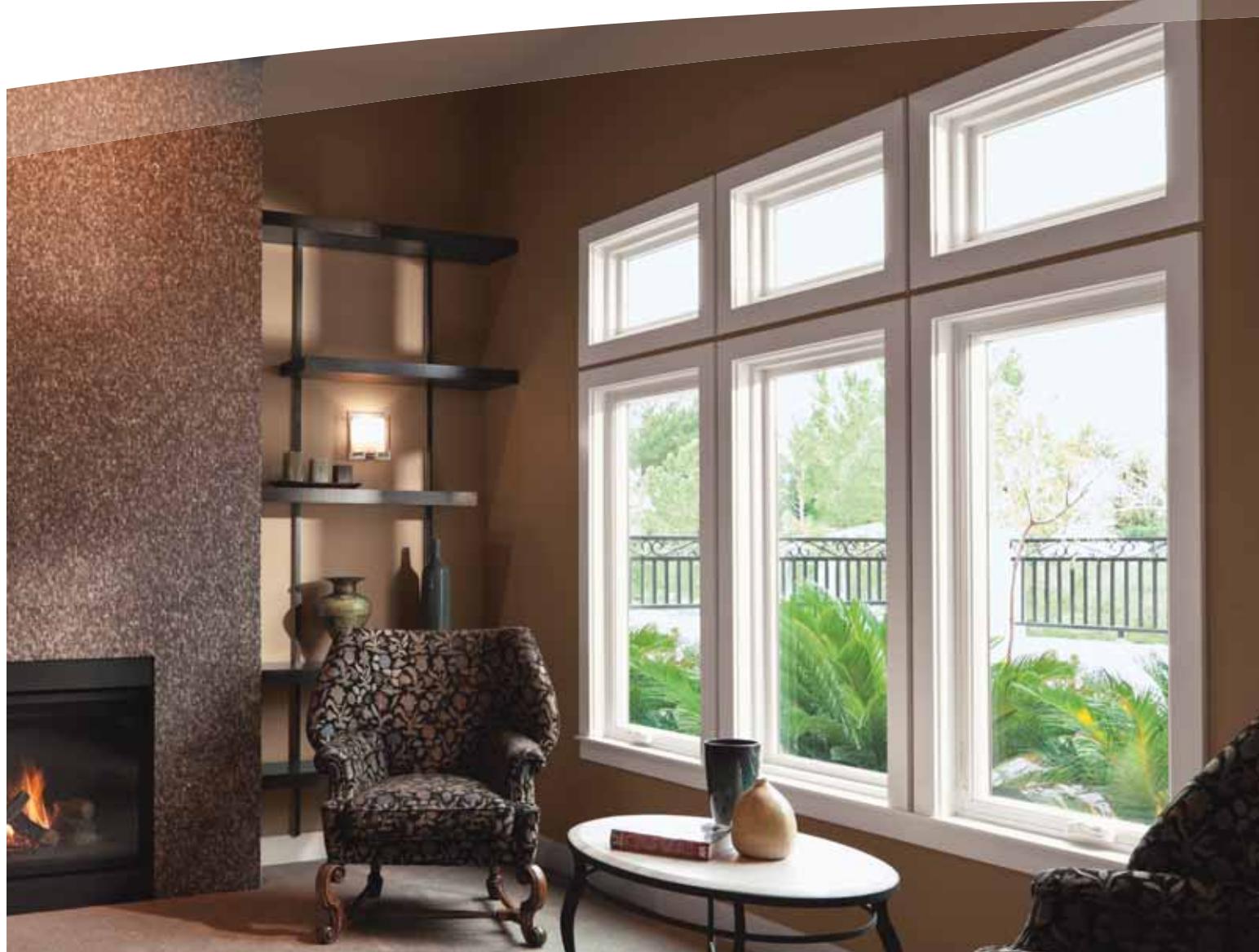


Andersen® 100 Series products are made with our Fibrex® composite material. It's composed of 40% reclaimed wood fiber by weight, most of which is created during the manufacture of Andersen® wood windows.



40%
reclaimed wood fiber
by weight.

WHY ANDERSEN® 100 SERIES WINDOWS & DOORS ARE AN EASY CHOICE.



All Andersen® 100 Series windows and patio doors feature the performance, durability and ease of use you've come to expect from Andersen. They not only provide energy efficiency, beauty and reliability today, but they'll also continue to add value to a home tomorrow and for years* to come.

ENERGY EFFICIENCY

It pays to understand performance.

Look for the National Fenestration Rating Council® (NFRC) performance information. It's your assurance you're getting accurate energy performance ratings from a nonpartisan, nonprofit organization. Here's what the numbers mean:

U-Factor measures the window's insulating capability. The lower the value, the less heat is lost through the entire product.

Visible Transmittance refers to how much visible light comes through a product. The higher the number, the better.

Solar Heat Gain Coefficient (SHGC) measures how well a product blocks heat from the sun. The lower the number, the more it helps reduce air conditioning bills.

Visit andersenwindows.com/100series for details. Click on "Windows" or "Doors" underneath the Andersen logo, then click on the NFRC link on the right-hand side.



Custom sizes for a weathertight fit.

Andersen® 100 Series windows and patio doors are available in custom sizes, which helps provide a more weathertight fit for any replacement project.



PARTNER OF THE YEAR

Save money by saving energy.

Andersen® 100 Series products with optional SmartSun™ glass[†] meet ENERGY STAR® qualifications throughout the United States to help **lower heating and cooling bills**. What's more, the Fibrex® material used for Andersen® 100 Series frames and sash blocks thermal transfer nearly 700 times better than aluminum.

RELIABILITY

Easy operation for years* to come.

All Andersen® 100 Series products are tested to the extreme to deliver years* of smooth, reliable operation.

Take comfort in superior weather resistance.

Our weather-resistant construction **seals out drafts, wind and water** so well, you can relax in comfort whatever the weather. We carefully select weatherstripping to match each style of window and door to make sure you enjoy superior comfort and reliability.



BEAUTY

Virtually seamless corners.

To give your windows, patio doors and your home a beautiful, clean look, Andersen® 100 Series products feature virtually seamless corners.



100 Series corner seam



Vinyl corner seam

Five colors for beautiful curb appeal.

From White and Sandtone to deep, rich Cocoa Bean, Dark Bronze and Terratone® colors, 100 Series windows and doors complement any home.

owner2owner[®] LIMITED WARRANTY

Quality so solid, the warranty is transferable.*

Most other window and door warranties end when a home is sold, but Andersen® 100 Series products' 10-year coverage transfers from each homeowner to the next. And, because it's not prorated, the coverage offers full benefits, year after year, owner after owner.

Never needs painting.

Andersen® 100 Series windows and doors won't fade, flake, blister, chalk or peel,* no matter what the climate.

Improve your view with TruScene® insect screens.

With over 50% more clarity than conventional insect screens, optional TruScene® insect screens for windows give you beautifully unobstructed views. They let more sunlight and fresh air into the home while keeping some of the smallest insects out.**

CHOOSE THE WINDOWS, DOORS & OPTIONS THAT ARE RIGHT FOR YOU.

WINDOW & DOOR TYPES

Building an energy-efficient home doesn't mean you have to compromise. Andersen® 100 Series windows and doors come in styles, shapes and even custom sizes to create the look you want.



SINGLE-HUNG WINDOWS

This style features a stationary upper sash that is also available with an arched top.



CASEMENT & AWNING WINDOWS

Both styles open with a simple turn of a handle and can also be ordered as stationary windows.



GLIDING WINDOWS

These units have one stationary sash and one that opens. A three-sash configuration, where two sash glide past a fixed center sash, is also available.



GLIDING PATIO DOORS

Patio doors feature one stationary panel and one that glides smoothly on adjustable rollers. They feature a multi-point locking system for enhanced security, and an optional exterior keyed lock for convenience. Sidelight and transom windows are also available.



SPECIALTY WINDOWS

Arch top, Springline™, Circle Top™, quarter circle, full circle, rectangle and other geometric shapes are available to complement a home's architecture. Curved specialty windows are not available in custom sizes.



Available in custom
sizes to fit all projects,
including replacement.

GLASS

Choose the right glass to maximize performance.

SMARTSUN™ GLASS

SmartSun™ Low-E glass is the most energy-efficient glass we have ever offered. It rejects unwanted solar heat to help reduce cooling costs and blocks 95% of UV rays that can cause your home furnishings to fade — all while providing a clear view.

LOW-E GLASS

Energy-efficient Low-E glass is available in all Andersen® 100 Series products, and can help reduce energy bills in any climate.

DUAL-PANE GLASS

Dual-pane glass is available for projects where cost is a primary concern and codes allow its use.**

PERFORMANCE COMPARISON OF ANDERSEN® 100 SERIES GLASS OPTIONS[†]

SEE PAGE 34 FOR MORE DETAILS

	SmartSun™	Low-E	Dual Pane
U-Factor (Lower is better)	0.28	0.29	0.41
Solar Heat Gain Coefficient (Lower is better)	0.19	0.28	0.52
Visible Light Transmittance (Higher is better)	0.43	0.47	0.54
UV Rays Blocked by Glass (Higher is better)	95%	84%	42%

PATTERED GLASS

Our patterned glass is ideal in bathrooms, entryways, offices and other areas where you want to let light into the home while obscuring the vision of people outside. It delivers all the benefits of Low-E glass and can also be ordered with SmartSun™ Low-E glass.



Obscure



Cascade



Reed



Fern

[†]Numbers for visible light transmission and UV (ultraviolet) rays blocked are based on center-of-glass values. U-Factor and SHGC are total unit performance values. Calculations were developed based on a 100

COLOR

Choose the right color to enhance the beauty of your home.



Dark Bronze



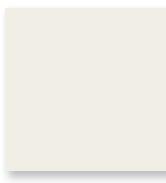
Cocoa Bean



Terratone®



Sandstone



White

EXTERIOR COLORS

Andersen® 100 Series products come in five exterior colors, including Dark Bronze and Cocoa Bean — colors that are darker and richer than most vinyl windows.

WHITE INTERIORS

Andersen® 100 Series windows and doors feature an attractive matte white finish inside. This gives you the ability to select the exterior color without compromising options for interior decoration.

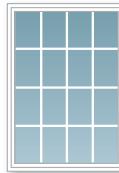
Printing limitations prevent exact color duplication. See your Andersen dealer for actual color samples.

GRILLES

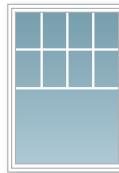
Customize the look of your windows and doors with Andersen® grilles.



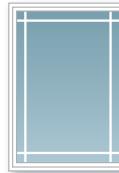
Andersen® 100 Series products are available with Finelight™ between-the-glass grilles that make window and patio door glass easy to clean. They have an elegant, sculpted profile, plus they offer a **two-sided color scheme**, allowing the grilles to match not only the white interior but also the exterior color.



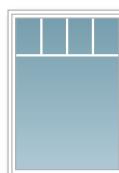
Colonial



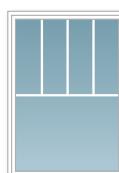
Modified Colonial



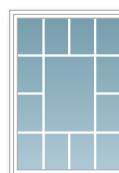
Prairie A



Short Fractional



Tall Fractional



Victorian



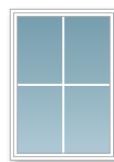
Renaissance



Sunburst

SPECIFIED EQUAL LIGHT

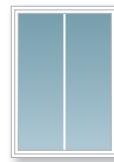
Any number of same-size rectangles across or down. Some limitations apply.



(2 x 2)



(2 x 4)



(2 x 1)



(1 x 3)

HARDWARE

You get attractive hardware that performs reliably for years.*

WINDOW HARDWARE

All window hardware is white to match the interior of the windows.



Casement and **awning** hardware folds down so it doesn't interfere with window treatments.



Single-hung and **gliding windows** feature hardware that automatically locks when windows are closed. A Window Opening Control Device is available, which limits raising the sash to less than 4" when the window is first opened.



Optional single-hung lift/gliding window handle

PATIO DOOR HARDWARE

Exterior patio door handles match the door's exterior color, while interior handles are white to match the interior. Also available with an optional auxiliary foot lock that bolts the gliding panel into the track.



Exterior Handle
(Shown in Dark Bronze)

Interior Handle

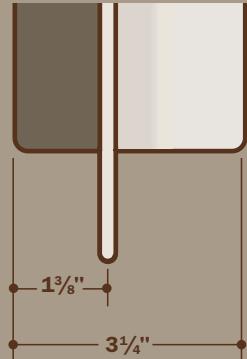
What professionals need.

Wherever you work and whatever style of home you're building or remodeling, you'll find a window or door to match in the Andersen® 100 Series product line. Enjoy easy installation on the jobsite, along with superior product performance and unbeatable service after the job is done. All 100 Series windows feature a 3-1/4" total width, which provides plenty of space for easy drywall returns.

Drawings depict window dimensions.
Patio doors feature a 5-1/8" frame width.

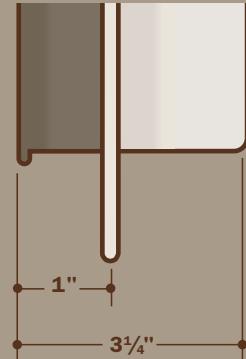
1-3/8" Flange Setback

This popular style offers the greatest flexibility and looks great with any siding or trim.



1" Flange Setback with Stucco Key

Hide normal shrinkage around the frame to easily create a perfect stucco finish.



Replacement Configuration

Order 100 Series products without a nailing flange for replacement projects.



100 SERIES

WINDOWS & PATIO DOORS



Technical Specifications

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WINDOWS • DOORS
Andersen

Single-Hung Windows

Single-Hung

Unit Dimension	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"	
Rough Opening	1'-6" (457)	2'-0" (610)	2'-6" (762)	3'-0" (914)	3'-6" (1067)	4'-0" (1219)	
Unobstructed Glass*	11 1/4" (286)	1'-5 1/4" (438)	1'-11 1/4" (591)	2'-5 1/4" (743)	2'-11 1/4" (895)	3'-5 1/4" (1048)	
	1620	2020	2620	3020	3620	4020	
	1626	2026	2626	3026	3626	4026	
	1630	2030	2630	3030	3630	4030	
	1636	2036	2636	3036	3636	4036	
	1640	2040	2640	3040	3640	4040	
	1646	2046	2646	3046	3646	4046	
	1650	2050	2650	3050 ♦	3650 ♦	4050 ♦	
	1656	2056	2656	3056 ♦	3656 ♦	4056 ♦	
	1660	2060	2660 ♦	3060 ♦	3660 ♦	4060 ♦	
	1666	2066	2666 ♦	3066 ♦	3666 ♦	4066 ♦	
	1670	2070	2670	3070	3670 ♦	4070 ♦	
	1676	2076	2676	3076 ♦	3676 ♦	4076 ♦	

Reverse
Cottage Style**
Available in
all widths for
shown heights.

* "Unobstructed Glass" measurement is for single sash only.

♦ These units meet or exceed the following dimensions: Clear Openable Area of 5.7 sq. ft., Clear Openable Width of 20" and Clear Openable Height of 24".

• Rough opening dimensions may need to be increased to allow for use of building wraps, flashings, sill panelling, brackets, fasteners or other items.

• "Unit Dimension" always refers to outside frame to frame dimension.

• Dimensions in parentheses are in millimeters.

• Meet rail location for unit heights greater than 6'-5 1/2" = 0.33 x unit height in inches + 1.96.

• Meet rail location for reverse cottage units = 0.40 x unit height in inches + 1.96.

Single-Hung Windows

Arch Top Single-Hung

CHORD HEIGHT	3 1/8"	4"	4 3/4"	5 1/2"	
Radius	1'-11 1/2" (597)	2'-5 1/2" (749)	2'-11 1/2" (902)	3'-5 1/2" (1054)	
Unit Dimension	1'-11 1/2" (597)	2'-5 1/2" (749)	2'-11 1/2" (902)	3'-5 1/2" (1054)	
Rough Opening	2'-0" (610)	2'-6" (762)	3'-0" (914)	3'-6" (1067)	
Unobstructed Glass - upper sash	1'-8" (508)	2'-2" (660)	2'-8" (813)	3'-2" (965)	
Unobstructed Glass - lower sash	1'-5 1/4" (438)	1'-11 1/4" (591)	2'-5 1/4" (743)	2'-11 1/4" (895)	
SHOULDER HEIGHT	2'-5 1/2" (749)	2026	2626	3026	3626
	2'-11 1/2" (902)	2030	2630	3030	3630
	3'-5 1/2" (1054)	2036	2636	3036	3636
	3'-11 1/2" (1207)	2040	2640	3040	3640
	4'-5 1/2" (1359)	2046	2646	3046	3646
	4'-11 1/2" (1511)	2050	2650	3050 ♦	3650 ♦
	5'-5 1/2" (1664)	2056	2656	3056 ♦	3656 ♦
	5'-11 1/2" (1816)	2060	2660 ♦	3060 ♦	3660 ♦
	6'-5 1/2" (1969)	2066	2666 ♦	3066 ♦	3666 ♦
	6'-11 1/2" (2121)	2070	2670	3070	3670 ♦
	7'-5 1/2" (2273)	2076	2676	3076 ♦	3676 ♦

Diagram: Chord Height + Shoulder Height = Unit Dimension Height

Unit Dimension Height - Add chord height to shoulder height.

Rough Opening Height - Add 1/2" to unit dimension height.

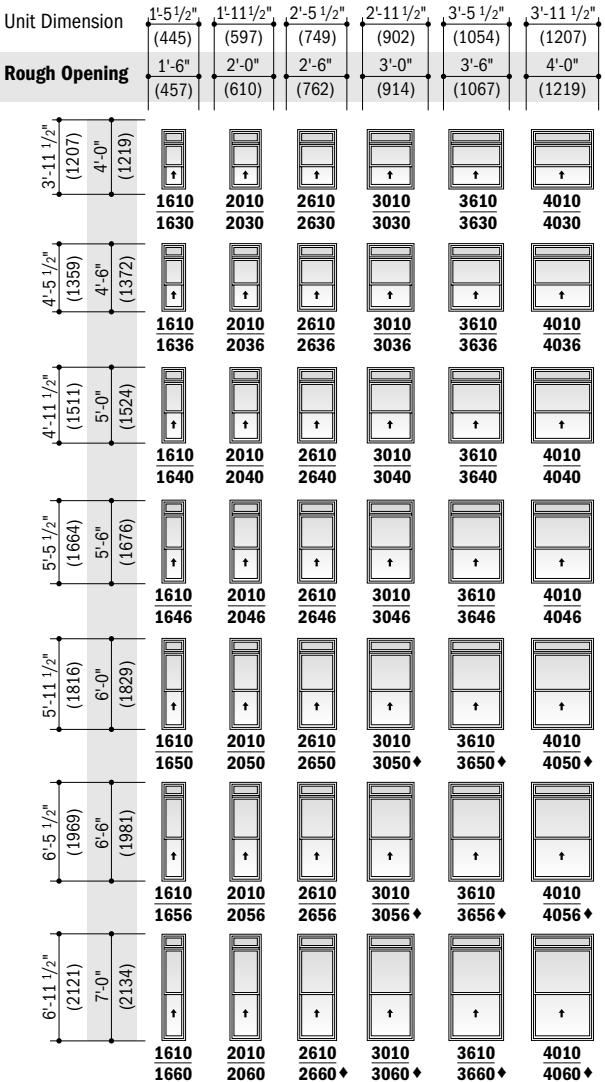
UNOBSTRUCTED GLASS HEIGHT UPPER SASH	
2026	15-1/16"
2626	15-7/8"
3026	16-11/16"
3626	17-1/2"
2030	18-1/16"
2630	18-7/8"
3030	19-11/16"
3630	20-1/2"
2036	21-1/16"
2636	21-7/8"
3036	22-11/16"
3636	23-1/2"
2040	24-1/16"
2640	24-7/8"
3040	25-11/16"
3640	26-1/2"
2046	27-1/16"
2646	27-7/8"
3046	28-11/16"
3646	29-1/2"
2050	30-1/16"
2650	30-7/8"
3050	31-11/16"
3650	32-1/2"
2056	33-1/16"
2656	33-7/8"
3056	34-11/16"
3656	35-1/2"
2060	36-1/16"
2660	36-7/8"
3060	37-11/16"
3660	38-1/2"
2066	39-1/16"
2666	39-7/8"
3066	40-11/16"
3666	41-1/2"
2070	54-1/16"
2670	54-7/8"
3070	55-11/16"
3670	56-1/2"
2076	60-1/16"
2676	60-7/8"
3076	61-11/16"
3676	62-1/2"

UNOBSTRUCTED GLASS HEIGHT - LOWER SASH

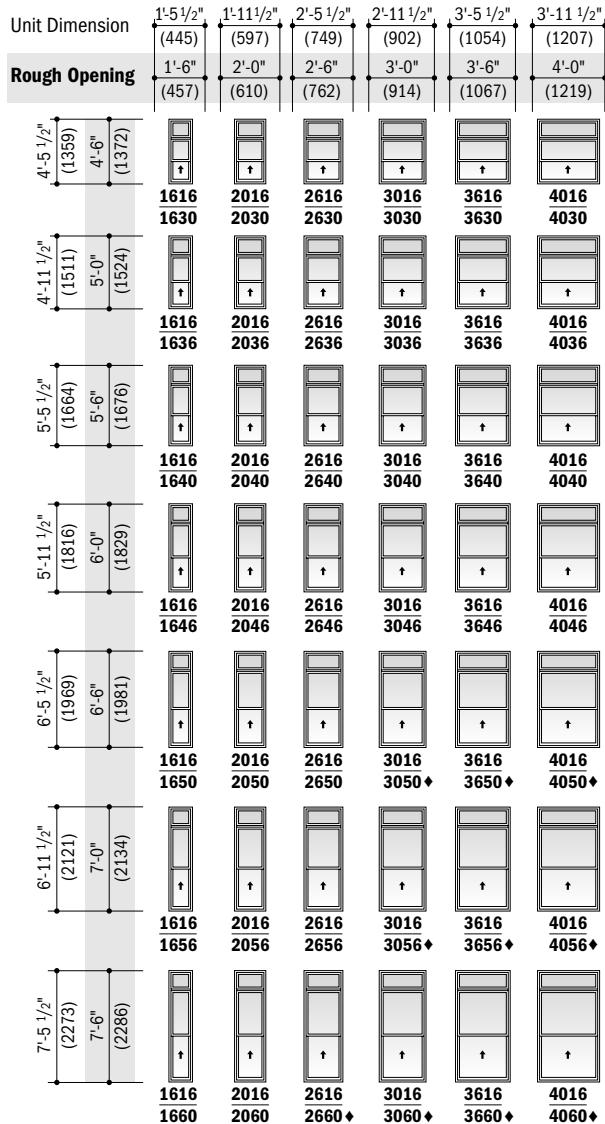
- * "Unobstructed Glass" measurement is for single sash only.
- ♦ These units meet or exceed the following dimensions: Clear Openable Area of 5.7 sq. ft., Clear Openable Width of 20" and Clear Openable Height of 24".
- Rough opening dimensions may need to be increased to allow for use of building wraps, flashings, sill panelling, brackets, fasteners or other items.
- "Unit Dimension" always refers to outside frame to frame dimension.
- Dimensions in parentheses are in millimeters.
- Meet rail location for shoulder heights greater than 6'-5 1/2" = 0.33 x shoulder height in inches + 1.96.

Single-Hung Windows

10 Transom over Single-Hung



16 Transom over Single-Hung



- ♦ These units meet or exceed the following dimensions: Clear Openable Area of 5.7 sq. ft., Clear Openable Width of 20" and Clear Openable Height of 24".
- Rough opening dimensions may need to be increased to allow for use of building wraps, flashings, sill panning, brackets, fasteners or other items.
- "Unit Dimension" always refers to outside frame to frame dimension.
- Dimensions in parentheses are in millimeters.

Single-Hung Windows

20 Transom over Single-Hung

Unit Dimension	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"
Rough Opening	(445)	(597)	(749)	(902)	(1054)	(1207)
	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"
4'-11 1/2"	(1511)	(1511)	(1511)	(1511)	(1511)	(1511)
5'-5 1/2"	(1664)	(1664)	(1664)	(1664)	(1664)	(1664)
5'-6"	(1676)	(1676)	(1676)	(1676)	(1676)	(1676)
6'-0"	(1816)	(1816)	(1816)	(1816)	(1816)	(1816)
6'-6"	(1969)	(1969)	(1969)	(1969)	(1969)	(1969)
7'-0"	(2121)	(2121)	(2121)	(2121)	(2121)	(2121)
7'-6"	(2286)	(2286)	(2286)	(2286)	(2286)	(2286)
8'-0"	(2426)	(2426)	(2426)	(2426)	(2426)	(2426)
8'-6"	(2438)	(2438)	(2438)	(2438)	(2438)	(2438)
7'-11 1/2"	(22/3)	(22/3)	(22/3)	(22/3)	(22/3)	(22/3)
7'-5 1/2"	(1620)	(2020)	(2620)	(3020)	(3620)	(4020)
7'-6"	(1656)	(2056)	(2656)	(3056♦)	(3656♦)	(4056♦)
8'-0"	(1660)	(2060)	(2660♦)	(3060♦)	(3660♦)	(4060♦)

Transom - Double Wide

Unit Dimension	2'-11 1/2"	3'-11 1/2"	4'-11 1/2"	5'-11 1/2"	6'-11 1/2"	7'-11 1/2"
Rough Opening	(902)	(1207)	(1511)	(1816)	(2121)	(2426)
3'-0"	(914)	(1219)	(1524)	(1829)	(2134)	(2438)
4'-0"						
5'-0"						
6'-0"						
7'-0"						
8'-0"						
1610-2	2010-2	2610-2	3010-2	3610-2	4010-2	
1616-2	2016-2	2616-2	3016-2	3616-2	4016-2	
1620-2	2020-2	2620-2	3020-2	3620-2	4020-2	

Single-Hung - Double Wide

1620-2	2020-2	2620-2	3020-2	3620-2	4020-2
1626-2	2026-2	2626-2	3026-2	3626-2	4026-2
1630-2	2030-2	2630-2	3030-2	3630-2	4030-2
1636-2	2036-2	2636-2	3036-2	3636-2	4036-2
1640-2	2040-2	2640-2	3040-2	3640-2	4040-2
1646-2	2046-2	2646-2	3046	3646	4046
1650-2	2050	2650	3050♦	3650♦	4050♦
1656-2	2056	2656	3056♦	3656♦	4056♦
1660-2	2060	2660♦	3060♦	3660♦	4060♦
1660-2	2060-2	2660-2	3060-2	3660-2	4060-2
1656-2	2056-2	2656-2	3056-2	3656-2	4056-2
1650-2	2050-2	2650-2	3050-2	3650-2	4050-2
1656-2	2056-2	2656-2	3056-2	3656-2	4056-2
1660-2	2060-2	2660-2	3060-2	3660-2	4060-2

- ♦ These units meet or exceed the following dimensions: Clear Openable Area of 5.7 sq. ft., Clear Openable Width of 20" and Clear Openable Height of 24".
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- Dimensions in parentheses are in millimeters.

Single-Hung Windows

Transom - Triple Wide

Unit Dimension	4'-5 1/2"	5'-11 1/2"	7'-5 1/2"	8'-11 1/2"	10'-5 1/2"	11'-11 1/2"
Rough Opening	(1359)	(1816)	(2273)	(2731)	(3188)	(3645)
4'-6"	(1372)	6'-0"	7'-6"	9'-0"	10'-6"	12'-0"
11 1/2"	(292)	(292)	(305)	(305)	(305)	(305)
1610-3	2010-3	2610-3	3010-3	3610-3	4010-3	
1616-3	2016-3	2616-3	3016-3	3616-3	4016-3	
1620-3	2020-3	2620-3	3020-3	3620-3	4020-3	

Single-Hung - Triple Wide

1620-3	2020-3	2620-3	3020-3	3620-3	4020-3
1626-3	2026-3	2626-3	3026-3	3626-3	4026-3
1630-3	2030-3	2630-3	3030-3	3630-3	4030-3
1636-3	2036-3	2636-3	3036-3	3636-3	4036-3
1640-3	2040-3	2640-3	3040-3	3640-3	4040-3
1646-3	2046-3	2646-3	3046-3	3646-3	4046-3
1650-3	2050-3	2650-3	3050-3 ♦	3650-3 ♦	4050-3 ♦
1656-3	2056-3	2656-3	3056-3 ♦	3656-3 ♦	4056-3 ♦
1660-3	2060-3	2660-3 ♦	3060-3 ♦	3660-3 ♦	4060-3 ♦

- ♦ These units meet or exceed the following dimensions: Clear Openable Area of 5.7 sq. ft., Clear Openable Width of 20" and Clear Openable Height of 24".
- Rough opening dimensions may need to be increased to allow for use of building wraps, flashings, sill panning, brackets, fasteners or other items.
- "Unit Dimension" always refers to outside frame to frame dimension.
- Dimensions in parentheses are in millimeters.

Single-Hung Windows

Single-Hung 16 Flanking

Unit Dimension	5'-11 1/2"	6'-5 1/2"	6'-11 1/2"	7'-5 1/2"	7'-11 1/2"	8'-5 1/2"	8'-11 1/2"
Rough Opening	(1816)	(1976)	(2121)	(2273)	(2426)	(2578)	(2731)
11 1/2"	(292)	11 1/2"	(292)	11 1/2"	(292)	11 1/2"	(292)
6'-0"	(1829)	6'-6"	(1981)	7'-0"	(2134)	7'-6"	(2286)
1'-0"	(305)	1'-6"	(445)	1'-6"	(445)	8'-6"	(2591)
1'-5 1/2"	(597)	1'-5 1/2"	(597)	8'-0"	(2438)	9'-0"	(2743)
16-3010-16	16-3610-16	16-4010-16	16-4610-16	16-5010-16	16-5610-16	16-6010-16	
16-3016-16	16-3616-16	16-4016-16	16-4616-16	16-5016-16	16-5616-16	16-6016-16	
16-3020-16	16-3620-16	16-4020-16	16-4620-16	16-5020-16	16-5620-16	16-6020-16	
16-3040-16	16-3640-16	16-4040-16	16-4640-16	16-5040-16	16-5640-16	16-6040-16	
16-3046-16	16-3646-16	16-4046-16	16-4646-16	16-5046-16	16-5646-16	16-6046-16	
16-3050-16	16-3650-16	16-4050-16	16-4650-16	16-5050-16	16-5650-16	16-6050-16	
16-3056-16	16-3656-16	16-4056-16	16-4656-16	16-5056-16	16-5656-16	16-6056-16	
16-3060-16	16-3660-16	16-4060-16	16-4660-16	16-5060-16	16-5660-16	16-6060-16	

- Rough opening dimensions may need to be increased to allow for use of building wraps, flashings, sill panelling, brackets, fasteners or other items.
- "Unit Dimension" always refers to outside frame to frame dimension.
- Dimensions in parentheses are in millimeters.

Single-Hung 20 Flanking

Unit Dimension	6'-11 1/2"	7'-5 1/2"	7'-11 1/2"	8'-5 1/2"	8'-11 1/2"	9'-5 1/2"	9'-11 1/2"
Rough Opening	(2121)	(2273)	(2426)	(2578)	(2731)	(2883)	(3035)
11 1/2"	(292)	11 1/2"	(292)	11 1/2"	(292)	11 1/2"	(292)
7'-0"	(2134)	7'-6"	(2286)	8'-0"	(2438)	9'-0"	(2591)
1'-0"	(305)	1'-6"	(445)	8'-6"	(2591)	9'-6"	(2896)
1'-5 1/2"	(597)	1'-5 1/2"	(597)	9'-0"	(2743)	10'-0"	(3048)
20-3010-20	20-3610-20	20-4010-20	20-4610-20	20-5010-20	20-5610-20	20-6010-20	
20-3016-20	20-3616-20	20-4016-20	20-4616-20	20-5016-20	20-5616-20	20-6016-20	
20-3020-20	20-3620-20	20-4020-20	20-4620-20	20-5020-20	20-5620-20	20-6020-20	
20-3040-20	20-3640-20	20-4040-20	20-4640-20	20-5040-20	20-5640-20	20-6040-20	
20-3046-20	20-3646-20	20-4046-20	20-4646-20	20-5046-20	20-5646-20	20-6046-20	
20-3050-20	20-3650-20	20-4050-20	20-4650-20	20-5050-20	20-5650-20	20-6050-20	
20-3056-20	20-3656-20	20-4056-20	20-4656-20	20-5056-20	20-5656-20	20-6056-20	
20-3060-20	20-3660-20	20-4060-20	20-4660-20	20-5060-20	20-5660-20	20-6060-20	

Single-Hung Windows

Single-Hung 26 Flanking

Unit Dimension	7'-11 1/2" (2426)	8'-5 1/2" (2578)	8'-11 1/2" (2731)	9'-5 1/2" (2883)	9'-11 1/2" (3035)	10'-5 1/2" (3188)	10'-11 1/2" (3340)
Rough Opening	8'-0" (2438)	8'-6" (2591)	9'-0" (2743)	9'-6" (2896)	10'-0" (3048)	10'-6" (3200)	11'-0" (3353)
	11 1/2" (292) 1 1/2" (305)	1 1/2" (445) 1 1/2" (457)					
	26-3010-26	26-3610-26	26-4010-26	26-4610-26	26-5010-26	26-5610-26	26-6010-26
	26-3016-26	26-3616-26	26-4016-26	26-4616-26	26-5016-26	26-5616-26	26-6016-26
	26-3020-26	26-3620-26	26-4020-26	26-4620-26	26-5020-26	26-5620-26	26-6020-26
	26-3040-26	26-3640-26	26-4040-26	26-4640-26	26-5040-26	26-5640-26	26-6040-26
	26-3046-26	26-3646-26	26-4046-26	26-4646-26	26-5046-26	26-5646-26	26-6046-26
	26-3050-26	26-3650-26	26-4050-26	26-4650-26	26-5050-26	26-5650-26	26-6050-26
	26-3056-26	26-3656-26	26-4056-26	26-4656-26	26-5056-26	26-5656-26	26-6056-26
	26-3060-26♦	26-3660-26♦	26-4060-26♦	26-4660-26♦	26-5060-26♦	26-5660-26♦	26-6060-26♦

♦ These units meet or exceed the following dimensions: Clear Openable Area of 5.7 sq. ft., Clear Openable Width of 20" and Clear Openable Height of 24".

- Rough opening dimensions may need to be increased to allow for use of building wraps, flashings, sill panning, brackets, fasteners or other items.
- "Unit Dimension" always refers to outside frame to frame dimension.
- Dimensions in parentheses are in millimeters.

Single-Hung 30 Flanking

Unit Dimension	8'-11 1/2" (2731)	9'-5 1/2" (2883)	9'-11 1/2" (3035)	10'-5 1/2" (3188)	10'-11 1/2" (3340)	11'-5 1/2" (3493)	11'-11 1/2" (3645)
Rough Opening	9'-0" (2743)	9'-6" (2896)	10'-0" (3048)	10'-6" (3200)	11'-0" (3353)	11'-6" (3505)	12'-0" (3658)
	11 1/2" (292) 1 1/2" (305)	1 1/2" (445) 1 1/2" (457)					
	30-3010-30	30-3610-30	30-4010-30	30-4610-30	30-5010-30	30-5610-30	30-6010-30
	30-3016-30	30-3616-30	30-4016-30	30-4616-30	30-5016-30	30-5616-30	30-6016-30
	30-3020-30	30-3620-30	30-4020-30	30-4620-30	30-5020-30	30-5620-30	30-6020-30
	30-3040-30	30-3640-30	30-4040-30	30-4640-30	30-5040-30	30-5640-30	30-6040-30
	30-3046-30	30-3646-30	30-4046-30	30-4646-30	30-5046-30	30-5646-30	30-6046-30
	30-3050-30♦	30-3650-30♦	30-4050-30♦	30-4650-30♦	30-5050-30♦	30-5650-30♦	30-6050-30♦
	30-3056-30♦	30-3656-30♦	30-4056-30♦	30-4656-30♦	30-5056-30♦	30-5656-30♦	30-6056-30♦
	30-3060-30♦	30-3660-30♦	30-4060-30♦	30-4660-30♦	30-5060-30♦	30-5660-30♦	30-6060-30♦

Single-Hung Windows

Single-Hung Arch Top Opening Specifications

Unit number	Clear Opening	Clear opening in full open position				Glass	Vent	Top of Subfloor to Top of Inside Sill Stop		Overall Unit Area
		Width	Height	Sq. Ft.	(m ²)			Inches	(mm)	
2026	1.533 (0.142)	20 (508)	11 1/16 (280)	3.251 (0.302)	1.533 (0.142)	51 1/8 (1304)	5.162 (0.480)			
2030	1.950 (0.181)	20 (508)	14 1/16 (357)	4.027 (0.374)	1.950 (0.181)	45 1/8 (1152)	6.141 (0.570)			
2036	2.367 (0.220)	20 (508)	17 1/16 (433)	4.803 (0.446)	2.367 (0.220)	39 1/8 (1000)	7.120 (0.661)			
2040	2.783 (0.259)	20 (508)	20 1/16 (509)	5.58 (0.518)	2.783 (0.259)	33 1/8 (847)	8.099 (0.752)			
2046	3.200 (0.297)	20 (508)	23 1/16 (585)	6.356 (0.590)	3.200 (0.297)	27 1/8 (695)	9.078 (0.843)			
2050	3.617 (0.336)	20 (508)	26 1/16 (661)	7.132 (0.663)	3.617 (0.336)	21 1/8 (542)	10.057 (0.934)			
2056	4.033 (0.375)	20 (508)	29 1/16 (738)	7.908 (0.735)	4.033 (0.375)	15 1/8 (390)	11.037 (1.025)			
2060	4.450 (0.413)	20 (508)	32 1/16 (814)	8.684 (0.807)	4.450 (0.413)	9 1/8 (238)	12.016 (1.116)			
2066	4.867 (0.452)	20 (508)	35 1/16 (890)	9.46 (0.879)	4.867 (0.452)		12.995 (1.207)			
2070	3.617 (0.336)	20 (508)	26 1/16 (661)	10.465 (0.972)	3.617 (0.336)		13.974 (1.298)			
2076	3.617 (0.336)	20 (508)	26 1/16 (661)	11.298 (1.050)	3.617 (0.336)		14.953 (1.389)			
2626	1.993 (0.185)	26 (660)	11 1/16 (280)	4.386 (0.407)	1.993 (0.185)	50 9/16 (1284)	6.591 (0.612)			
2630	2.535 (0.235)	26 (660)	14 1/16 (357)	5.412 (0.503)	2.535 (0.235)	44 1/16 (1132)	7.820 (0.727)			
2636	3.076 (0.286)	26 (660)	17 1/16 (433)	6.438 (0.598)	3.076 (0.286)	38 1/16 (979)	9.049 (0.841)			
2640	3.618 (0.336)	26 (660)	20 1/16 (509)	7.464 (0.693)	3.618 (0.336)	32 9/16 (827)	10.278 (0.955)			
2646	4.160 (0.386)	26 (660)	23 1/16 (585)	8.49 (0.789)	4.160 (0.386)	26 1/16 (674)	11.508 (1.069)			
2650	4.701 (0.437)	26 (660)	26 1/16 (661)	9.516 (0.884)	4.701 (0.437)	20 1/16 (522)	12.737 (1.183)			
2656	5.243 (0.487)	26 (660)	29 1/16 (738)	10.542 (0.979)	5.243 (0.487)	14 1/16 (370)	13.966 (1.297)			
2660	5.785 (0.537)	26 (660)	32 1/16 (814)	11.568 (1.075)	5.785 (0.537)	8 1/16 (217)	15.195 (1.412)			
2666	6.326 (0.588)	26 (660)	35 1/16 (890)	12.594 (1.170)	6.326 (0.588)		16.424 (1.526)			
2670	4.701 (0.437)	26 (660)	26 1/16 (661)	13.849 (1.287)	4.701 (0.437)		17.653 (1.640)			
2676	4.701 (0.437)	26 (660)	26 1/16 (661)	14.933 (1.387)	4.701 (0.437)		18.883 (1.754)			
3026	2.453 (0.228)	32 (813)	11 1/16 (280)	5.565 (0.517)	2.453 (0.228)	49 3/4 (1263)	8.065 (0.749)			
3030	3.120 (0.290)	32 (813)	14 1/16 (357)	6.841 (0.636)	3.120 (0.290)	43 3/4 (1111)	9.545 (0.887)			
3036	3.786 (0.352)	32 (813)	17 1/16 (433)	8.118 (0.754)	3.786 (0.352)	37 3/4 (959)	11.024 (1.024)			
3040	4.453 (0.414)	32 (813)	20 1/16 (509)	9.394 (0.873)	4.453 (0.414)	31 3/4 (806)	12.503 (1.162)			
3046	5.120 (0.476)	32 (813)	23 1/16 (585)	10.67 (0.991)	5.120 (0.476)	25 3/4 (654)	13.982 (1.299)			
3050	5.786 (0.538)	32 (813)	26 1/16 (661)	11.946 (1.110)	5.786 (0.538)	19 3/4 (501)	15.461 (1.436)			
3056	6.453 (0.600)	32 (813)	29 1/16 (738)	13.222 (1.228)	6.453 (0.600)	13 3/4 (349)	16.940 (1.574)			
3060	7.120 (0.661)	32 (813)	32 1/16 (814)	14.498 (1.347)	7.120 (0.661)	7 3/4 (197)	18.420 (1.711)			
3066	7.786 (0.723)	32 (813)	35 1/16 (890)	15.774 (1.465)	7.786 (0.723)		19.899 (1.849)			
3070	5.786 (0.538)	32 (813)	26 1/16 (661)	17.279 (1.605)	5.786 (0.538)		21.378 (1.986)			
3076	5.786 (0.538)	32 (813)	26 1/16 (661)	18.612 (1.729)	5.786 (0.538)		22.857 (2.123)			
3626	2.913 (0.271)	38 (965)	11 1/16 (280)	6.79 (0.631)	2.913 (0.271)	48 15/16 (1243)	9.585 (0.890)			
3630	3.705 (0.344)	38 (965)	14 1/16 (357)	8.316 (0.773)	3.705 (0.344)	42 15/16 (1091)	11.314 (1.051)			
3636	4.496 (0.418)	38 (965)	17 1/16 (433)	9.842 (0.914)	4.496 (0.418)	36 15/16 (938)	13.043 (1.212)			
3640	5.288 (0.491)	38 (965)	20 1/16 (509)	11.369 (1.056)	5.288 (0.491)	30 15/16 (786)	14.773 (1.372)			
3646	6.080 (0.565)	38 (965)	23 1/16 (585)	12.895 (1.198)	6.080 (0.565)	24 15/16 (633)	16.502 (1.533)			
3650	6.871 (0.638)	38 (965)	26 1/16 (661)	14.421 (1.340)	6.871 (0.638)	18 15/16 (481)	18.231 (1.694)			
3656	7.663 (0.712)	38 (965)	29 1/16 (738)	15.947 (1.482)	7.663 (0.712)	12 15/16 (329)	19.960 (1.854)			
3660	8.455 (0.785)	38 (965)	32 1/16 (814)	17.473 (1.623)	8.455 (0.785)	6 15/16 (176)	21.689 (2.015)			
3666	9.246 (0.859)	38 (965)	35 1/16 (890)	18.999 (1.765)	9.246 (0.859)		23.418 (2.176)			
3670	6.871 (0.638)	38 (965)	26 1/16 (661)	20.754 (1.928)	6.871 (0.638)		25.148 (2.336)			
3676	6.871 (0.638)	38 (965)	26 1/16 (661)	22.337 (2.075)	6.871 (0.638)		26.877 (2.497)			

- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 82 1/2".

Gliding Windows

XO/OX Gliding Window

Unit Dimension	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"	4'-5 1/2"	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"
Rough Opening	(597)	(749)	(902)	(1054)	(1207)	(1359)	(1511)	(1664)	(1816)
Unobstructed Glass*	7 9/16"	10 9/16"	13 9/16"	1'4 9/16"	1'7 9/16"	1'10 9/16"	2'1 9/16"	2'4 9/16"	2'7 9/16"
	(192)	(268)	(344)	(420)	(496)	(573)	(649)	(725)	(801)
	(140)	(292)	(305)	(457)	(286)				
	2010	2610	3010	3610	4010	4610	5010	5610	6010
	2016	2616	3016	3616	4016	4616	5016	5616	6016
	2020	2620	3020	3620	4020	4620	5020	5620	6020
	2026	2626	3026	3626	4026	4626	5026	5626	6026
	2030	2630	3030	3630	4030	4630	5030	5630	6030
	2036	2636	3036	3636	4036	4636	5036	5636	6036
	2040	2640	3040	3640	4040	4640	5040	5640	6040
	2046	2646	3046	3646	4046	4646	5046	5646	6046
	2050	2650	3050	3650	4050	4650	5050	5650	6050
	2056	2656	3056	3656	4056	4656	5056	5656	6056
	2060	2660	3060	3660	4060	4660	5060	5660	6060

- * "Unobstructed Glass" measurement is for single sash only.
- ◆ These units meet or exceed the following dimensions: Clear Openable Area of 5.7 sq. ft., Clear Openable Width of 20" and Clear Openable Height of 24".
- + These units meet DP20, all other units meet DP30.
- Unit heights 4'-0" and smaller have one lock. Units taller than 4'-0" have two locks.
- Rough opening dimensions may need to be increased to allow for use of building wraps, flashings, sill paning, brackets, fasteners or other items.
- "Unit Dimension" always refers to outside frame to frame dimension.
- Dimensions in parentheses are in millimeters.

XO/OX Gliding Window below Picture

Unit Dimension	2'-11 1/2"	3'-11 1/2"	4'-11 1/2"	5'-11 1/2"
Rough Opening	902	1207	1511	1816
Unobstructed Glass*	3'-0"	4'-0"	5'-0"	6'-0"
	(914)	(1219)	(1524)	(1829)
	(1511)	(1524)		
	3036	4036	5036	6036
	3016	4016	5016	6016
	(1816)	(1829)		
	3040	4040	5040	6040
	3020	4020	5020	6020
	(2121)	(2134)		
	3050	4050	5050	6050
	3020	4020	5020	6020

XOX Gliding Window below Picture

5'-11 1/2"	6'-11 1/2"	7'-11 1/2"	8'-11 1/2"
1816	2121	2426	2731
6'-0"	7'-0"	8'-0"	9'-0"
(1829)	(2134)	(2438)	(2743)
(1829)	(2134)		
6036	7036	8036	9036
6016	7016	8016	9016
(2121)	(2134)		
6040	7040	8040	9040
6020	7020	8020	9020
(2121)	(2134)		
6050	7050	8050	9050
6020	7020	8020	9020

Gliding Windows

XOX Gliding Window - quarter/half/quarter proportion

Unit Dimension	4'-11 1/2"	5'-11 1/2"	6'-11 1/2"	7'-5 1/2"	7'-11 1/2"	8'-5 1/2"	8'-11 1/2"	9'-11 1/2"
Rough Opening	4'11 1/2" (1511)	5'11 1/2" (1816)	6'11 1/2" (2121)	7'5 1/2" (2273)	7'11 1/2" (2426)	8'5 1/2" (2578)	8'11 1/2" (2731)	9'11 1/2" (3035)
	5'0" (1524)	6'0" (1829)	7'0" (2134)	7'6" (2286)	8'0" (2438)	8'6" (2591)	9'0" (2743)	10'0" (3048)
5016	5020	5026	5030	5036	5040	5046	5050	5056
6016	6020	6026	6030	6036	6040	6046	6050	6056
7016	7020	7026	7030	7036	7040	7046	7050	7056
7616	7620	7626	7630	7636	7640	7646	7650	7656
8016	8020	8026	8030	8036	8040♦	8046♦	8050♦	8056♦
8616	8620	8626	8630	8636♦	8640♦	8646♦	8650♦	8656♦
9016	9020	9026	9030	9036♦	9040♦	9046♦	9050♦	9056♦
10016	10020	10026	10030	10036♦	10040♦	10046♦	10050♦	10056♦
5060	6060	7060	7660	8060♦	8660♦	9060♦	10060♦	

♦ These units meet or exceed the following dimensions: Clear Openable Area of 5.7 sq. ft., Clear Openable Width of 20" and Clear Openable Height of 24".

- Unit heights 4'-0" and smaller have one lock. Units taller than 4'-0" have two locks.
- Rough opening dimensions may need to be increased to allow for use of building wraps, flashings, sill paning, brackets, fasteners or other items.
- "Unit Dimension" always refers to outside frame to frame dimension.
- Dimensions in parentheses are in millimeters.

XO/OX Gliding Window Opening Specifications

Unit number	Clear Opening	Clear opening in full open position		Glass	Vent	Top of Subfloor to Top of Inside Sill Stop	Overall Unit Area				
		Inches	Width (mm)								
2010	0.447 (0.041)	8 1/16	(204)	8 (203)	0.550 (0.051)	0.447 (0.041)	72 1/2 (1842) 1.88 (0.174)				
2016	0.782 (0.073)	8 1/16	(204)	14 (356)	1.179 (0.110)	0.782 (0.073)	66 1/2 (1689) 2.86 (0.265)				
2020	1.117 (0.104)	8 1/16	(204)	20 (508)	1.808 (0.168)	1.117 (0.104)	60 1/2 (1537) 3.84 (0.356)				
2026	1.451 (0.135)	8 1/16	(204)	26 (660)	2.436 (0.226)	1.451 (0.135)	54 1/2 (1384) 4.81 (0.447)				
2030	1.786 (0.166)	8 1/16	(204)	32 (813)	3.065 (0.285)	1.786 (0.166)	48 1/2 (1232) 5.79 (0.538)				
2036	2.121 (0.197)	8 1/16	(204)	38 (965)	3.694 (0.343)	2.121 (0.197)	42 1/2 (1080) 6.77 (0.629)				
2040	2.456 (0.228)	8 1/16	(204)	44 (1118)	4.323 (0.402)	2.456 (0.228)	36 1/2 (927) 7.75 (0.720)				
2046	2.791 (0.259)	8 1/16	(204)	50 (1270)	4.951 (0.460)	2.791 (0.259)	30 1/2 (775) 8.73 (0.811)				
2050	3.126 (0.290)	8 1/16	(204)	56 (1422)	5.580 (0.518)	3.126 (0.290)	24 1/2 (622) 9.71 (0.902)				
2056	3.461 (0.322)	8 1/16	(204)	62 (1575)	6.209 (0.577)	3.461 (0.322)	18 1/2 (470) 10.69 (0.993)				
2060	3.796 (0.353)	8 1/16	(204)	68 (1727)	6.838 (0.635)	3.796 (0.353)	12 1/2 (318) 11.67 (1.084)				
20610	0.613 (0.057)	11 1/16	(280)	8 (203)	0.769 (0.071)	0.613 (0.057)	72 1/2 (1842) 2.36 (0.219)				
20616	1.073 (0.100)	11 1/16	(280)	14 (356)	1.648 (0.153)	1.073 (0.100)	66 1/2 (1689) 3.59 (0.333)				
20620	1.533 (0.142)	11 1/16	(280)	20 (508)	2.526 (0.235)	1.533 (0.142)	60 1/2 (1537) 4.81 (0.447)				
20626	1.993 (0.185)	11 1/16	(280)	26 (660)	3.405 (0.316)	1.993 (0.185)	54 1/2 (1384) 6.04 (0.561)				
20630	2.453 (0.228)	11 1/16	(280)	32 (813)	4.284 (0.398)	2.453 (0.228)	48 1/2 (1232) 7.27 (0.676)				
20636	2.913 (0.271)	11 1/16	(280)	38 (965)	5.163 (0.480)	2.913 (0.271)	42 1/2 (1080) 8.50 (0.790)				
20640	3.373 (0.313)	11 1/16	(280)	44 (1118)	6.041 (0.561)	3.373 (0.313)	36 1/2 (927) 9.73 (0.904)				
20646	3.833 (0.356)	11 1/16	(280)	50 (1270)	6.920 (0.643)	3.833 (0.356)	30 1/2 (775) 10.96 (1.018)				

- "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 82 1/2".

Casement & Awning Windows

Casement - Single

Unit Dimension	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"
Rough Opening	(445)	(597)	(749)	(902)
Unobstructed Glass*	1'-6"	2'-0"	2'-6"	3'-0"
	(457)	(610)	(762)	(914)
Unobstructed Glass*	11 1/4"	1'-5 1/4"	1'-11 1/4"	2'-5 1/4"
	(286)	(438)	(591)	(743)
	1'-11 1/2"	2'-5 1/2"	3'-0"	1'-5 1/4"
	(597)	(749)	(914)	(438)
	1620	2020	2620	3020
	1626	2026	2626	3026
	1630	2030	2630	3030
	1636	2036	2636	3036 ♦
	1640	2040	2640 ♦	3040 ♦
	1646	2046	2646 ♦	3046 ♦
	1650	2050	2650 ♦	3050 ♦
	1656	2056	2656 ♦	3056 ♦
	1660	2060	2660 ♦	3060 ♦

Casement - Transom

Unit Dimension	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"	4'-5 1/2"	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"
Rough Opening	(902)	(1054)	(1207)	(1359)	(1511)	(1664)	(1816)
Unobstructed Glass*	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"
	(914)	(1067)	(1219)	(1372)	(1524)	(1676)	(1829)
Unobstructed Glass*	11 1/2"	15 1/2"	20"	24"	28"	32"	36"
	(597)	(749)	(914)	(1067)	(1219)	(1372)	(1524)
	1610-2	1910-2	2010-2	2310-2	2610-2	2910-2	3010-2
	1616-2	1916-2	2016-2	2316-2	2616-2	2916-2	3016-2
	1620-2	1920-2	2020-2	2320-2	2620-2	2920-2	3020-2

Casement - Double

1620-2	1920-2	2020-2	2320-2	2620-2	2920-2	3020-2
1626-2	1926-2	2026-2	2326-2	2626-2	2926-2	3026-2
1630-2	1930-2	2030-2	2330-2	2630-2	2930-2	3030-2
1636-2	1936-2	2036-2	2336-2	2636-2	2936-2	3036-2 ♦
1640-2	1940-2	2040-2	2340-2	2640-2 ♦	2940-2 ♦	3040-2 ♦
1646-2	1946-2	2046-2	2346-2	2646-2 ♦	2946-2 ♦	3046-2 ♦
1650-2	1950-2	2050-2	2350-2	2650-2 ♦	2950-2 ♦	3050-2 ♦
1656-2	1956-2	2056-2	2356-2	2656-2 ♦	2956-2 ♦	3056-2 ♦
1660-2	1960-2	2060-2	2360-2	2660-2 ♦	2960-2 ♦	3060-2 ♦

* "Unobstructed Glass" measurement is for single sash only.

♦ These units meet or exceed the following dimensions: Clear Openable Area of 5.7 sq. ft., Clear Openable Width of 20" and Clear Openable Height of 24".

• Rough opening dimensions may need to be increased to allow for use of building wraps, flashings, sill paning, brackets, fasteners or other items.

• "Unit Dimension" always refers to outside frame to frame dimension.

• Dimensions in parentheses are in millimeters.

Casement & Awning Windows

Casement - Transom

Unit Dimension	5'-11 1/2"	7'-11 1/2"	9'-11 1/2"	11'-11 1/2"
	(1816)	(2426)	(3035)	(3645)
Rough Opening	6'-0"	8'-0"	10'-0"	12'-0"
	(1829)	(2438)	(3048)	(3658)
	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"	1'-5 1/2"
	(597)	(445)	(597)	(445)
	2'-0"	1'-6"	2'-0"	1'-6"
	(610)	(457)	(610)	(457)
	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"	1'-5 1/2"
	(597)	(445)	(597)	(445)
	2'-0"	2'-0"	2'-0"	2'-0"
	(610)	(610)	(610)	(610)
	16-3010-16	20-4010-20	26-5010-26	30-6010-30
	16-3016-16	20-4016-20	26-5016-26	30-6016-30
	16-3020-16	20-4020-20	26-5020-26	30-6020-30

Casement - Triple

Unit Dimension	5'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-11 1/2"
	(1816)	(2426)	(3035)	(3645)
Rough Opening	3'-5 1/2"	4'-0"	3'-6"	4'-0"
	(1829)	(2438)	(3048)	(3658)
	3'-5 1/2"	3'-5 1/2"	3'-5 1/2"	3'-5 1/2"
	(1829)	(2438)	(3048)	(3658)
	3'-5 1/2"	3'-5 1/2"	3'-5 1/2"	3'-5 1/2"
	(1829)	(2438)	(3048)	(3658)
	16-3020-16	20-4020-20	26-5020-26	30-6020-30
	16-3026-16	20-4026-20	26-5026-26	30-6026-30
	16-3030-16	20-4030-20	26-5030-26	30-6030-30
	16-3036-16	20-4036-20	26-5036-26	30-6036-30 ♦
	16-3040-16	20-4040-20	26-5040-26 ♦	30-6040-30 ♦
	16-3046-16	20-4046-20	26-5046-26 ♦	30-6046-30 ♦
	16-3050-16	20-4050-20	26-5050-26 ♦	30-6050-30 ♦
	16-3056-16	20-4056-20	26-5056-26 ♦	30-6056-30 ♦
	16-3060-16	20-4060-20	26-5060-26 ♦	30-6060-30 ♦

Awning - Transom

Unit Dimension	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"	4'-5 1/2"	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"
	(902)	(1054)	(1207)	(1359)	(1511)	(1664)	(1816)
Rough Opening	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"
	(914)	(1067)	(1219)	(1372)	(1524)	(1676)	(1829)
	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"
	(597)	(445)	(597)	(445)	(597)	(445)	(597)
	2'-0"	1'-6"	2'-0"	1'-6"	2'-0"	1'-6"	2'-0"
	(610)	(457)	(610)	(457)	(610)	(457)	(610)
	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"
	(597)	(445)	(597)	(445)	(597)	(445)	(597)
	1610-2	1910-2	2010-2	2310-2	2610-2	2910-2	3010-2
	1616-2	1916-2	2016-2	2316-2	2616-2	2916-2	3016-2
	1620-2	1920-2	2020-2	2320-2	2620-2	2920-2	3020-2

Awning - Double

Unit Dimension	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"	4'-5 1/2"	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"
	(902)	(1054)	(1207)	(1359)	(1511)	(1664)	(1816)
Rough Opening	2'-5 1/2"	2'-6"	3'-0"	4'-6"	5'-0"	5'-6"	6'-0"
	(749)	(597)	(610)	(457)	(610)	(457)	(610)
	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"
	(597)	(445)	(597)	(445)	(597)	(445)	(597)
	2'-0"	1'-6"	2'-0"	1'-6"	2'-0"	1'-6"	2'-0"
	(610)	(457)	(610)	(457)	(610)	(457)	(610)
	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"
	(597)	(445)	(597)	(445)	(597)	(445)	(597)
	1616-2	1916-2	2016-2	2316-2	2616-2	2916-2	3016-2
	1620-2	1920-2	2020-2	2320-2	2620-2	2920-2	3020-2
	1626-2	1926-2	2026-2	2326-2	2626-2	2926-2	3026-2
	1630-2	1930-2	2030-2	2330-2	2630-2	2930-2	3030-2

Awning - Single

Unit Dimension	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"
	(445)	(597)	(749)	(902)	(1054)	(1207)
Rough Opening	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"
	(457)	(610)	(762)	(914)	(1067)	(1219)
	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"	1'-5 1/2"
	(597)	(445)	(597)	(445)	(597)	(445)
	2'-0"	1'-6"	2'-0"	1'-6"	2'-0"	1'-6"
	(610)	(457)	(610)	(457)	(610)	(457)
	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"	1'-5 1/2"
	(597)	(445)	(597)	(445)	(597)	(445)
	1616	2016	2616	3016	3616	4016
	1620	2020	2620	3020	3620	4020
	1626	2026	2626	3026	3626	4026
	1630	2030	2630	3030	3630	4030

Awning - Below Picture

Unit Dimension	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"
	(597)	(749)	(902)	(1054)	(1207)
Rough Opening	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"
	(610)	(762)	(914)	(1067)	(1219)
	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"
	(597)	(445)	(597)	(445)	(597)
	2'-0"	1'-6"	2'-0"	1'-6"	2'-0"
	(610)	(457)	(610)	(457)	(610)
	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"	1'-5 1/2"	1'-11 1/2"
	(597)	(445)	(597)	(445)	(597)
	2020	2620	3020	3620	4020
	2026	2626	3026	3626	4026
	2030	2630	3030	3630	4030
	2040	2640	3040	3640	4040
	2050	2650	3050	3650	4050
	2030	2630	3030	3630	4030
	2050	2650	3050	3650	4050
	2030	2630	3030	3630	4030
	2050	2650	3050	3650	4050

* "Unobstructed Glass" measurement is for single sash only.

♦ These units meet or exceed the following dimensions: Clear Openable Area of 5.7 sq. ft., Clear Openable Width of 20" and Clear Openable Height of 24".

- Rough opening dimensions may need to be increased to allow for use of building wraps, flashings, sill panning, brackets, fasteners or other items.

- "Unit Dimension" always refers to outside frame to frame dimension.

- Dimensions in parentheses are in millimeters.

Specialty Fixed Windows

Fixed Window - Rectangular Sizes



= Available Quarter Round Sizes = Available Full Circle Sizes

Unit Dimension	11 1/2" (292)	1'5 1/2" (445)	1'11 1/2" (597)	2'5 1/2" (749)	2'11 1/2" (902)	3'5 1/2" (1054)	3'11 1/2" (1207)	4'5 1/2" (1359)	4'11 1/2" (1511)	5'5 1/2" (1664)	5'11 1/2" (1816)	6'5 1/2" (1969)	6'11 1/2" (2121)	7'5 1/2" (2273)	7'11 1/2" (2426)		
Rough Opening	1'0" (305)	1'6" (457)	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)		
11 1/2" (292)																	
1'0" (305)	1010	1610	2010	2610	3010	3610	4010	4610	5010	5610	6010	6610	7010	7610	8010		
1'5 1/2" (445)																	
1'6" (457)	1016	1616	2016	2616	3016	3616	4016	4616	5016	5616	6016	6616	7016	7616	8016		
1'11 1/2" (597)																	
2'0" (610)	1020	1620		2020	2620	3020	3620	4020	4620	5020	5620	6020	6620	7020	7620	8020	
2'5 1/2" (749)																	
2'6" (762)	1026	1626	2026		2626	3026	3626	4026	4626	5026	5626	6026	6626	7026	7626	8026	
2'11 1/2" (902)																	
3'0" (914)	1030	1630	2030	2630		3030	3630	4030	4630	5030	5630	6030	6630	7030	7630	8030	
3'5 1/2" (1054)																	
3'6" (1067)	1036	1636	2036	2636	3036		3636	4036	4636	5036	5636	6036	6636	7036	7636	8036	
3'11 1/2" (1207)																	
4'0" (1219)	1040	1640	2040	2640	3040	3640		4040	4640	5040	5640	6040	6640	7040	7640	8040	
4'5 1/2" (1359)										4646	5046	5646	6046	6646	7046	7646	8046
4'6" (1372)	1046	1646	2046	2646	3046	3646	4046			5050	5650	6050	6650	7050	7650	8050	
4'11 1/2" (1511)																	
5'0" (1524)	1050	1650	2050	2650	3050	3650	4050	4650									
5'5 1/2" (1664)																	
5'6" (1676)	1056	1656	2056	2656	3056	3656	4056	4656									
5'11 1/2" (1816)																	
6'0" (1829)	1060	1660	2060	2660	3060	3660	4060	4660									
6'5 1/2" (1969)																	
6'6" (1981)	1066	1666	2066	2666	3066	3666	4066	4666									
6'11 1/2" (2121)																	
7'0" (2134)	1070	1670	2070	2670	3070	3670	4070	4670									
7'5 1/2" (2273)																	
7'6" (2286)	1076	1676	2076	2676	3076	3676	4076	4676									
7'11 1/2" (2426)																	
8'0" (2438)	1080	1680	2080	2680	3080	3680	4080	4680									

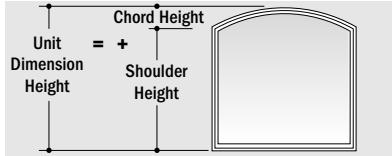
Fixed Window - Integral Transom Sizes

Unit Dimension															
Rough Opening	2'11 1/2" (902)	3'5 1/2" (1054)	3'11 1/2" (1207)	4'5 1/2" (1359)	4'11 1/2" (1511)	5'5 1/2" (1664)	5'11 1/2" (1816)	6'11 1/2" (2121)	7'11 1/2" (2426)	4'5 1/2" (1359)	5'11 1/2" (1816)	7'5 1/2" (2273)	8'11 1/2" (2731)	10'5 1/2" (3188)	11'11 1/2" (3645)
11 1/2" (292)															
1'0" (305)	1610-2	1910-2	2010-2	2310-2	2610-2	2910-2	3010-2	3610-2	4010-2	1610-3	2010-3	2610-3	3010-3	3610-3	4010-3
1'5 1/2" (445)															
1'6" (457)	1616-2	1916-2	2016-2	2316-2	2616-2	2916-2	3016-2	3616-2	4016-2	1616-3	2016-3	2616-3	3016-3	3616-3	4016-3
1'11 1/2" (597)															
2'0" (610)	1620-2	1920-2	2020-2	2320-2	2620-2	2920-2	3020-2	3620-2	4020-2	1620-3	2020-3	2620-3	3020-3	3620-3	4020-3

- Rough opening dimensions may need to be increased to allow for use of building wraps, flashings, sill panelling, brackets, fasteners or other items.
- "Unit Dimension" always refers to outside frame to frame dimension.
- Dimensions in parentheses are in millimeters.

Specialty Fixed Windows

Fixed Window - Arch Top Sizes



Rough Opening Height - Add 1/2" to unit dimension height.

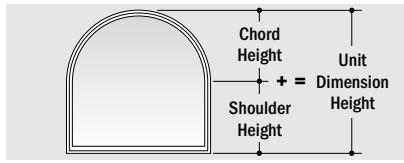
Unobstructed Glass Height and Width - Subtract 6-1/4" from unit dimension height and width.

Arch Top Sizes

Chord Height	3 1/8"	4"	4 3/4"	5 1/2"	6 3/8"	7 1/2"	8"	8 3/4"	9 5/8"	10 3/8"	11 1/8"	12"	12 3/4"	
Radius	(79)	(102)	(121)	(140)	(162)	(181)	(202)	(222)	(244)	(264)	(283)	(305)	(324)	
Unit Dimension Width	1'-11 1/2" (597)	2'-5 1/2" (749)	2'-11 1/2" (902)	3'-5 1/2" (1054)	3'-11 1/2" (1207)	4'-5 1/2" (1359)	4'-11 1/2" (1511)	5'-5 1/2" (1664)	5'-11 1/2" (1816)	6'-5 1/2" (1969)	6'-11 1/2" (2121)	7'-5 1/2" (2273)	7'-11 1/2" (2426)	
Rough Opening Width	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)	
SHOULDER HEIGHT	11 1/2" (292)	2010	2610	3010	3610	4010	4610	5010	5610	6010	6610	7010	7610	8010
	1'-5 1/2" (445)	2016	2616	3016	3616	4016	4616	5016	5616	6016	6616	7016	7616	8016
	1'-11 1/2" (597)	2020	2620	3020	3620	4020	4620	5020	5620	6020	6620	7020	7620	8020
	2'-5 1/2" (749)	2026	2626	3026	3626	4026	4626	5026	5626	6026	6626	7026	7626	8026
	2'-11 1/2" (902)	2030	2630	3030	3630	4030	4630	5030	5630	6030	6630	7030	7630	8030
	3'-5 1/2" (1054)	2036	2636	3036	3636	4036	4636	5036	5636	6036	6636	7036	7636	8036
	3'-11 1/2" (1207)	2040	2640	3040	3640	4040	4640	5040	5640	6040	6640	7040	7640	8040
	4'-5 1/2" (1359)	2046	2646	3046	3646	4046	4646	5046	5646	6046	6646	7046	7646	8046
	4'-11 1/2" (1511)	2050	2650	3050	3650	4050	4650	5050	5650	6050	6650	7050	7650	8050
	5'-5 1/2" (1664)	2056	2656	3056	3656	4056	4656	5056	5656	6056	6656	7056	7656	8056
	5'-11 1/2" (1816)	2060	2660	3060	3660	4060	4660	5060	5660	6060	6660	7060	7660	8060

Springline™ Sizes

Chord Height	11 3/4"	14 3/4"	17 3/4"	20 3/4"	23 3/4"	26 3/4"	29 3/4"	32 3/4"	35 3/4"	
Unit Dimension Width	1'-11 1/2" (597)	2'-5 1/2" (749)	2'-11 1/2" (902)	3'-5 1/2" (1054)	3'-11 1/2" (1207)	4'-5 1/2" (1359)	4'-11 1/2" (1511)	5'-5 1/2" (1664)	5'-11 1/2" (1816)	
Rough Opening Width	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)	
SHOULDER HEIGHT	1'-11 1/2" (597)	2020	2620	3020	3620	4020	4620	5020	5620	6020
	2'-5 1/2" (749)	2026	2626	3026	3626	4026	4626	5026	5626	6026
	2'-11 1/2" (902)	2030	2630	3030	3630	4030	4630	5030	5630	6030
	3'-5 1/2" (1054)	2036	2636	3036	3636	4036	4636	5036	5636	6036
	3'-11 1/2" (1207)	2040	2640	3040	3640	4040	4640	5040	5640	6040
	4'-5 1/2" (1359)	2046	2646	3046	3646	4046	4646	5046	5646	6046
	4'-11 1/2" (1511)	2050	2650	3050	3650	4050	4650	5050	5650	6050



- Rough opening dimensions may need to be increased to allow for use of building wraps, flashings, sill panelling, brackets, fasteners or other items.
- "Unit Dimension" always refers to outside frame to frame dimension.
- Dimensions in parentheses are in millimeters.

Fixed Window - Circle Top™ Sizes

Unit Dimension	1'-11 1/2" (597)	2'-5 1/2" (749)	2'-11 1/2" (902)
Rough Opening	2'-0" (610)	2'-6" (762)	3'-0" (914)
1'-27 7/8" (378)	20	1'-5 7/8" (454)	1'-8 7/8" (530)
1'-33 3/8" (391)	26	1'-6 3/8" (467)	1'-9 3/8" (543)
3'-5 1/2" (1054)	36	3'-11 1/2" (1207)	4'-5 1/2" (1359)
3'-6" (1067)	40	4'-0" (1219)	4'-6" (1372)
1'-11 7/8" (606)	36	2'-27 7/8" (683)	2'-5 7/8" (759)
2'-0 3/8" (619)	40	2'-3 3/8" (695)	2'-6 3/8" (772)
4'-11 1/2" (1511)	50	5'-5 1/2" (1664)	5'-11 1/2" (1816)
5'-0" (1524)	56	5'-6" (1676)	6'-0" (1829)
2'-87 7/8" (835)	50	2'-117 7/8" (911)	3'-27 7/8" (987)
2'-93 3/8" (848)	56	2'-0 3/8" (924)	3'-3 3/8" (1000)
6-5 1/2" (1969)	66	6'-11 1/2" (2121)	7'-11 1/2" (2426)
6'-6" (1981)	70	7'-0" (2134)	7'-6" (2286)
3'-5 7/8" (1064)	66	3'-87 7/8" (1140)	8'-0" (2438)
3'-6 3/8" (1076)	70	3'-93 3/8" (1153)	4'-27 7/8" (1292)
	76	4'-0 3/8" (1229)	4'-3 3/8" (1305)

Specialty Fixed Windows

Arch Top Square Feet Glass/Unit Area

Unit No.	Glass		Overall Unit Area (m ²)
	Sq. Ft. (m ²)	Sq. Ft. (m ²)	
2010	0.931 (0.086)	2.224 (0.207)	
2016	1.650 (0.153)	3.203 (0.298)	
2020	2.369 (0.220)	4.182 (0.389)	
2026	3.087 (0.287)	5.162 (0.480)	
2030	3.806 (0.354)	6.141 (0.570)	
2036	4.525 (0.420)	7.120 (0.661)	
2040	5.244 (0.487)	8.099 (0.752)	
2046	5.962 (0.554)	9.078 (0.843)	
2050	6.681 (0.621)	10.057 (0.934)	
2056	7.400 (0.687)	11.037 (1.025)	
2060	8.119 (0.754)	12.016 (1.116)	
2110	1.344 (0.125)	2.903 (0.270)	
2116	2.312 (0.215)	4.133 (0.384)	
2120	3.281 (0.305)	5.362 (0.498)	
2126	4.250 (0.395)	6.591 (0.612)	
2130	5.219 (0.485)	7.820 (0.727)	
2136	6.187 (0.575)	9.049 (0.841)	
2140	7.156 (0.665)	10.278 (0.955)	
2146	8.125 (0.755)	11.508 (1.069)	
2150	9.094 (0.845)	12.737 (1.183)	
2156	10.062 (0.935)	13.966 (1.297)	
2160	11.031 (1.025)	15.195 (1.412)	
3010	1.801 (0.167)	3.628 (0.337)	
3016	3.020 (0.281)	5.107 (0.474)	
3020	4.239 (0.394)	6.586 (0.612)	
3026	5.458 (0.507)	8.065 (0.749)	
3030	6.676 (0.620)	9.545 (0.887)	
3036	7.895 (0.733)	11.024 (1.024)	
3040	9.114 (0.847)	12.503 (1.162)	
3046	10.333 (0.960)	13.982 (1.299)	
3050	11.551 (1.073)	15.461 (1.436)	
3056	12.770 (1.186)	16.940 (1.574)	
3060	13.989 (1.300)	18.420 (1.711)	
3110	2.305 (0.214)	4.398 (0.409)	
3116	3.773 (0.351)	6.127 (0.569)	
3120	5.242 (0.487)	7.856 (0.730)	
3126	6.711 (0.623)	9.585 (0.890)	
3130	8.180 (0.760)	11.314 (1.051)	
3136	9.648 (0.896)	13.043 (1.212)	
3140	11.117 (1.033)	14.773 (1.372)	
3146	12.586 (1.169)	16.502 (1.533)	
3150	14.055 (1.306)	18.231 (1.694)	
3156	15.523 (1.442)	19.960 (1.854)	
3160	16.992 (1.579)	21.689 (2.015)	
4010	2.853 (0.265)	5.213 (0.484)	
4016	4.572 (0.425)	7.192 (0.668)	
4020	6.291 (0.584)	9.171 (0.852)	
4026	8.009 (0.744)	11.150 (1.036)	
4030	9.728 (0.904)	13.129 (1.220)	
4036	11.447 (1.063)	15.109 (1.404)	
4040	13.166 (1.223)	17.088 (1.588)	
4046	14.884 (1.383)	19.067 (1.771)	
4050	16.603 (1.542)	21.046 (1.955)	
4056	18.322 (1.702)	23.025 (2.139)	
4060	20.041 (1.862)	25.004 (2.323)	
4110	3.447 (0.320)	6.073 (0.564)	
4116	5.416 (0.503)	8.302 (0.771)	
4120	7.384 (0.686)	10.531 (0.978)	
4126	9.353 (0.869)	12.761 (1.186)	
4130	11.322 (1.052)	14.990 (1.393)	
4136	13.291 (1.235)	17.219 (1.600)	
4140	15.259 (1.418)	19.448 (1.807)	
4146	17.228 (1.601)	21.677 (2.014)	
4150	19.197 (1.783)	23.906 (2.221)	
4156	21.166 (1.966)	26.136 (2.428)	
4160	23.134 (2.149)	28.365 (2.635)	
5010	4.086 (0.380)	6.979 (0.648)	
5016	6.305 (0.586)	9.458 (0.879)	
5020	8.523 (0.792)	11.937 (1.109)	
5026	10.742 (0.998)	14.416 (1.339)	
5030	12.961 (1.204)	16.895 (1.570)	
5036	15.180 (1.410)	19.375 (1.800)	

Springline™ Window Square Feet Glass/Unit Area

Unit No.	Glass		Overall Unit Area (m ²)
	Sq. Ft. (m ²)	Sq. Ft. (m ²)	
5040	17.398 (1.616)	21.854 (2.030)	
5046	19.617 (1.822)	24.333 (2.261)	
5050	21.836 (2.029)	26.812 (2.491)	
5056	24.055 (2.235)	29.291 (2.721)	
5060	26.273 (2.441)	31.770 (2.952)	
5061	4.770 (0.443)	7.930 (0.737)	
5061	7.239 (0.673)	10.659 (0.990)	
5062	9.708 (0.902)	13.388 (1.244)	
5062	12.177 (1.131)	16.117 (1.497)	
5063	14.645 (1.361)	18.846 (1.751)	
5063	17.114 (1.590)	21.576 (2.004)	
5064	19.583 (1.819)	24.305 (2.258)	
5064	22.052 (2.049)	27.034 (2.512)	
5065	24.520 (2.278)	29.763 (2.765)	
5065	26.989 (2.507)	32.492 (3.019)	
5066	29.458 (2.737)	35.221 (3.272)	
6010	5.500 (0.511)	8.926 (0.829)	
6016	8.219 (0.764)	11.905 (1.106)	
6020	10.938 (1.016)	14.884 (1.383)	
6026	13.656 (1.269)	17.864 (1.660)	
6030	16.375 (1.521)	20.843 (1.936)	
6036	19.094 (1.774)	23.822 (2.213)	
6040	21.813 (2.026)	26.801 (2.490)	
6046	24.531 (2.279)	29.780 (2.767)	
6050	27.250 (2.532)	32.759 (3.043)	
6056	29.969 (2.784)	35.739 (3.320)	
6060	32.688 (3.037)	38.718 (3.597)	
6061	6.275 (0.583)	9.968 (0.926)	
6061	9.244 (0.859)	13.197 (1.226)	
6062	12.212 (1.135)	16.426 (1.526)	
6062	15.181 (1.410)	19.655 (1.826)	
6063	18.150 (1.686)	22.884 (2.126)	
6063	21.119 (1.962)	26.113 (2.426)	
6064	24.087 (2.238)	29.343 (2.726)	
6064	27.056 (2.514)	32.572 (3.026)	
6065	30.025 (2.789)	35.801 (3.326)	
6065	32.994 (3.065)	39.030 (3.626)	
6066	35.962 (3.341)	42.259 (3.926)	
7010	7.095 (0.659)	11.054 (1.027)	
7016	10.314 (0.958)	14.534 (1.350)	
7020	13.533 (1.257)	18.013 (1.673)	
7026	16.752 (1.556)	21.492 (1.997)	
7030	19.970 (1.855)	24.971 (2.320)	
7036	23.189 (2.154)	28.450 (2.643)	
7040	26.408 (2.453)	31.929 (2.966)	
7046	29.627 (2.752)	35.409 (3.290)	
7050	32.845 (3.051)	38.888 (3.613)	
7056	36.064 (3.350)	42.367 (3.936)	
7060	39.283 (3.649)	45.846 (4.259)	
7061	7.961 (0.740)	12.187 (1.132)	
7061	11.430 (1.062)	15.916 (1.479)	
7062	14.898 (1.384)	19.645 (1.825)	
7062	18.367 (1.706)	23.374 (2.172)	
7063	21.836 (2.029)	27.103 (2.518)	
7063	25.305 (2.351)	30.832 (2.864)	
7064	28.773 (2.673)	34.562 (3.211)	
7064	32.242 (2.995)	38.291 (3.557)	
7065	35.711 (3.318)	42.020 (3.904)	
7066	39.180 (3.640)	45.749 (4.250)	
7066	42.648 (3.962)	49.478 (4.597)	
8010	8.872 (0.824)	13.364 (1.242)	
8016	12.590 (1.170)	17.343 (1.611)	
8020	16.309 (1.515)	21.322 (1.981)	
8026	20.028 (1.861)	25.302 (2.351)	
8030	23.747 (2.206)	29.281 (2.720)	
8036	27.465 (2.552)	33.260 (3.090)	
8040	31.184 (2.897)	37.239 (3.460)	
8046	34.903 (3.243)	41.218 (3.829)	
8050	38.622 (3.588)	45.197 (4.199)	
8056	42.340 (3.934)	49.177 (4.569)	
8060	46.059 (4.279)	53.156 (4.938)	

Circle Top™ Window Sq. Ft. Glass/Unit Area

Unit Number	Glass		Overall Unit Area (m ²)
	Sq. Ft. (m ²)	Sq. Ft. (m ²)	
20	0.811 (0.075)	2.016 (0.187)	
26	1.474 (0.137)	3.013 (0.280)	
30	2.333 (0.217)	4.207 (0.391)	
36	3.389 (0.315)	5.597 (0.520)	
40	4.640 (0.431)	7.184 (0.667)	
46	6.088 (0.566)	8.967 (0.833)	
50	7.733 (0.718)	10.946 (1.017)	
56	9.574 (0.889)	13.121 (1.219)	
60	11.611 (1.079)	15.493 (1.439)	
66	13.844 (1.286)	18.061 (1.678)	
70	16.274 (1.512)	20.826 (1.935)	
76	18.900 (1.756)	23.787 (2.210)	
80	21.723 (2.018)	26.944 (2.503)	

Gliding Patio Doors

XO/OX Gliding Patio Door - 2 Panel

Unit Dimension	4'-11 1/4"	5'-11 1/4"	7'-11 1/4"
Rough Opening	1505 (1050)	1810 (1810)	2420 (2420)
Unobstructed Glass*	5'-0" (1524)	6'-0" (1829)	8'-0" (2438)
Glass Width	2'-0 1/8" (613)	2'-6 1/8" (765)	3'-6 1/8" (1070)
Height	6'-7 1/2" (2019)	6'-8" (2032)	5'-11 1/4" (1810)
5068	6068	8068	
Unit Dimension	6'-10 1/2"	6'-11"	6'-2 1/4"
Rough Opening	2096 (1506)	2108 (2108)	1886 (1886)
Unobstructed Glass*	6'-10 1/2" (2096)	6'-11" (2108)	6'-2 1/4" (1886)
Glass Width	2'-0" (2438)	2'-0" (2438)	2'-0" (2438)
Height	7'-11 1/2" (2426)	8'-0" (2438)	7'-3 1/4" (2216)
50611	60611	80611	
Unit Dimension	7'-11 1/2"	8'-0"	7'-3 1/4"
Rough Opening	2426 (1506)	2438 (2438)	2216 (2216)
Unobstructed Glass*	7'-11 1/2" (2426)	8'-0" (2438)	7'-3 1/4" (2216)
Glass Width	2'-0" (2438)	2'-0" (2438)	2'-0" (2438)
Height	6'-10 1/2" (2096)	6'-11" (2108)	6'-2 1/4" (1886)
5080	6080	8080	

* "Unobstructed Glass" width measurement is for one panel only.

Gliding Patio Door - Transom

Unit Dimension	1-2 1/4"	1'-5 1/4"	1'-11 1/4"	2'-5 1/4"	2'-11 1/4"	3'-11 1/4"	4'-11 1/4"	5'-11 1/4"	7'-11 1/4"
Rough Opening	362 (362)	438 (438)	591 (591)	743 (743)	895 (895)	1200 (1200)	1505 (1505)	1810 (1810)	2420 (2420)
Unobstructed Glass	1'-3" (381)	1'-6" (457)	2'-0" (610)	2'-6" (762)	3'-0" (914)	4'-0" (1219)	5'-0" (1524)	6'-0" (1829)	8'-0" (2438)
Glass Width	6 3/16" (157)	9 3/16" (233)	9 3/16" (386)	1'3 3/16" (538)	1'9 3/16" (691)	2'3 3/16" (995)	4'3 3/16" (1300)	5'3 3/16" (1605)	7'3 3/16" (2215)
1313	1613	2013	2613	3013	4013	5013	6013	8013	
Unit Dimension	1'-2 1/4"	1'-7 1/4"	1'-3"	1'-6"	2'-0"	2'-6"	3'-0"	4'-0"	5'-0"
Rough Opening	362 (362)	438 (438)	591 (591)	743 (743)	895 (895)	1200 (1200)	1505 (1505)	1810 (1810)	2420 (2420)
Unobstructed Glass	1'-2 1/4" (362)	1'-7 1/4" (438)	1'-3" (591)	1'-6" (743)	2'-0" (895)	2'-6" (1200)	3'-0" (1505)	4'-0" (1810)	5'-0" (2420)
Glass Width	1'-2 1/4" (362)	1'-7 1/4" (438)	1'-3" (591)	1'-6" (743)	2'-0" (895)	2'-6" (1200)	3'-0" (1505)	4'-0" (1810)	5'-0" (2420)
1316	1616	2016	2616	3016	4016	5016	6016	8016	
Unit Dimension	1'-11 1/4"	2'-0"	2'-3 3/16"	3'-3 3/16"	4'-3 3/16"	5'-3 3/16"	7'-3 3/16"		
Rough Opening	591 (591)	610 (610)	610 (610)	610 (610)	610 (610)	610 (610)	610 (610)		
Unobstructed Glass	2'-0" (591)	2'-0" (610)	2'-3 3/16" (610)	3'-3 3/16" (610)	4'-3 3/16" (610)	5'-3 3/16" (610)	7'-3 3/16" (610)		
Glass Width	1'-11 1/4" (591)	2'-0" (610)	2'-3 3/16" (610)	3'-3 3/16" (610)	4'-3 3/16" (610)	5'-3 3/16" (610)	7'-3 3/16" (610)		
1320	1620	2020	2620	3020	4020	5020	6020	8020	

Gliding Patio Door - Sidelight

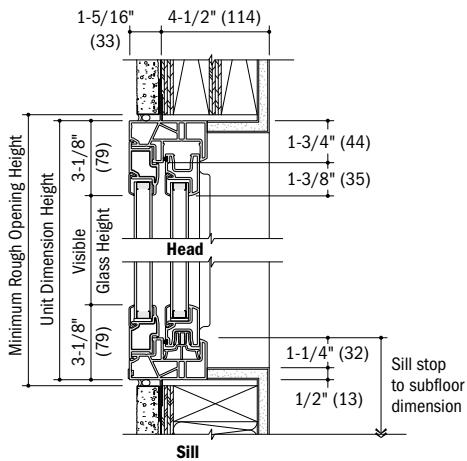
Unit Dimension	1-2 1/4"	1'-5 1/4"	1'-11 1/4"	2'-5 1/4"	2'-11 1/4"	3'-11 1/4"
Rough Opening	362 (362)	438 (438)	591 (591)	743 (743)	895 (895)	1200 (1200)
Unobstructed Glass	1'-3" (381)	1'-6" (457)	2'-0" (610)	2'-6" (762)	3'-0" (914)	4'-0" (1219)
Glass Width	6 3/16" (157)	9 3/16" (233)	9 3/16" (386)	1'3 3/16" (538)	1'9 3/16" (691)	2'3 3/16" (995)
1368	1668	2068	2668	3068	4068	
Unit Dimension	6'-7 1/2"	6'-8"	5'-11 1/4"			
Rough Opening	2019 (2019)	2032 (2032)	1810 (1810)			
Unobstructed Glass	6'-7 1/2" (2019)	6'-8" (2032)	5'-11 1/4" (1810)			
Glass Width	6'-7 1/2" (2019)	6'-8" (2032)	5'-11 1/4" (1810)			
13611	16611	20611	26611	30611	40611	
Unit Dimension	6'-10 1/2"	6'-11"	6'-2 1/4"			
Rough Opening	2096 (2096)	2108 (2108)	1886 (1886)			
Unobstructed Glass	6'-10 1/2" (2096)	6'-11" (2108)	6'-2 1/4" (1886)			
Glass Width	6'-10 1/2" (2096)	6'-11" (2108)	6'-2 1/4" (1886)			
1380	1680	2080	2680	3080	4080	

Gliding Patio Door Opening Specifications

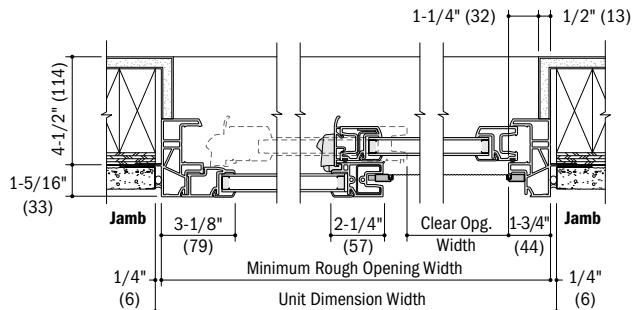
Unit Number	Sq. Ft. (m ²) Clear Opening	Max. Clear Opening in Full Open Position in inches and (mm)		Sq. Ft. (m ²) Glass	Sq. Ft. (m ²) Vent	Sq. Ft. (m ²) Overall Unit Area
		Width	Height			
5068	12.40 (1.15)	23-1/2"	76" (597)	23.92 (2.22)	12.40 (1.15)	32.71 (3.04)
6068	15.57 (1.45)	29-1/2"	76" (749)	29.86 (2.27)	15.57 (1.45)	39.34 (3.65)
8068	21.90 (2.03)	41-1/2"	76" (1054)	41.76 (3.88)	21.90 (2.03)	52.59 (4.89)
50611	12.89 (1.20)	23-1/2"	79" (597)	24.92 (2.32)	12.89 (1.20)	33.95 (3.15)
60611	16.18 (1.50)	29-1/2"	79" (749)	31.12 (4.04)	16.18 (1.50)	40.82 (5.07)
80611	22.77 (2.12)	41-1/2"	79" (1054)	43.51 (2.04)	22.77 (2.12)	54.57 (5.07)
5080	15.01 (1.39)	23-1/2"	92" (597)	29.28 (2.72)	15.01 (1.39)	39.29 (3.65)
6080	18.85 (1.75)	29-1/2"	92" (749)	36.56 (3.40)	18.85 (1.75)	47.25 (4.39)
8080	26.51 (2.46)	41-1/2"	92" (1054)	51.12 (4.75)	26.51 (2.46)	63.17 (5.87)

100 Series Unit and Rough Opening Details

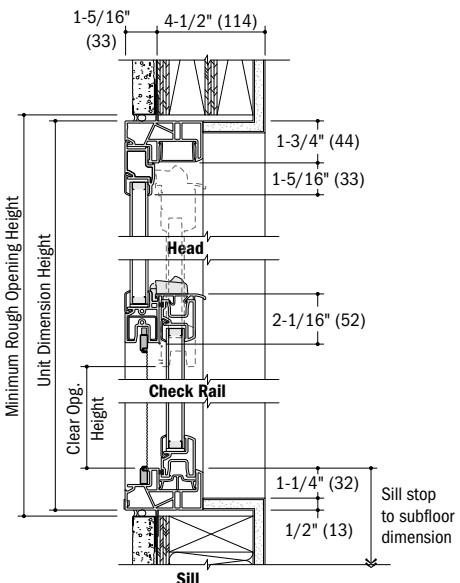
Basic Unit and Rough Opening Details Scale 1-1/2" = 1'-0" (1:8)



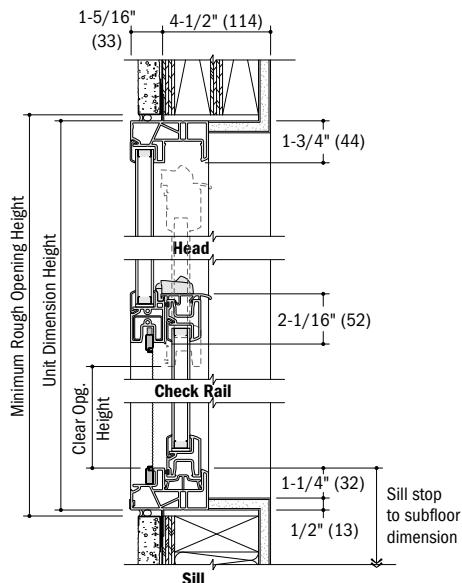
Vertical Section Gliding Window



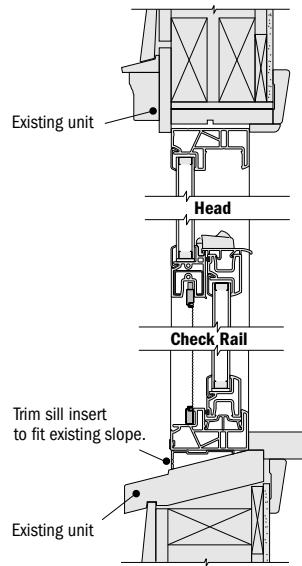
Horizontal Section Gliding Window



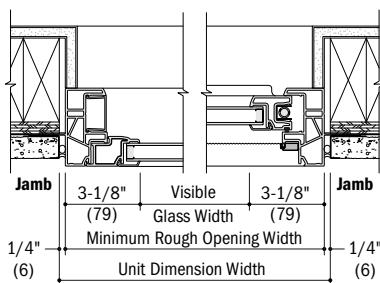
Vertical Section Single-Hung Window



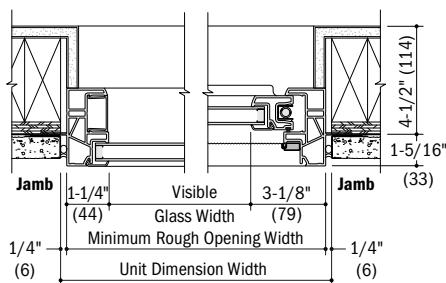
Vertical Section Arch Top Single-Hung Window



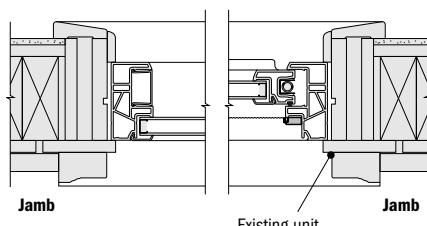
Vertical Section
Single-Hung Window Installed as an Insert



Horizontal Section Single-Hung Window



Horizontal Section Arch Top Single-Hung Window

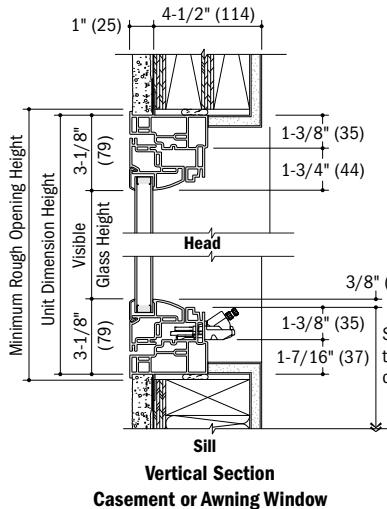


Horizontal Section
Single-Hung Window Installed as an Insert

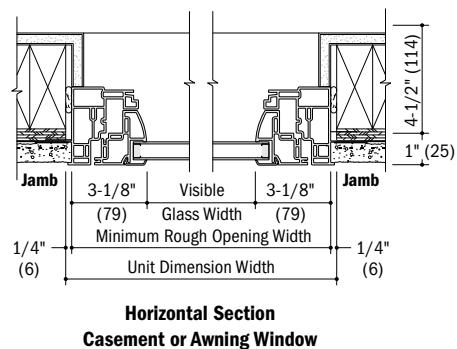
- Proper installation and maintenance of Andersen products is essential to attain optimum performance and operation. Written installation instructions which provide guidelines for proper installation are typically provided with Andersen products. They are also available from your local Andersen supplier or 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 complete installation details, refer to "Product Installation Details" at andersenwindows.com or contact your Andersen supplier.

100 Series Unit and Rough Opening Details

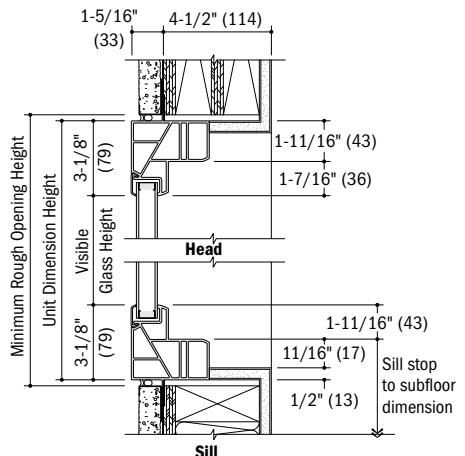
Basic Unit and Rough Opening Details Scale 1-1/2" = 1'-0" (1:8)



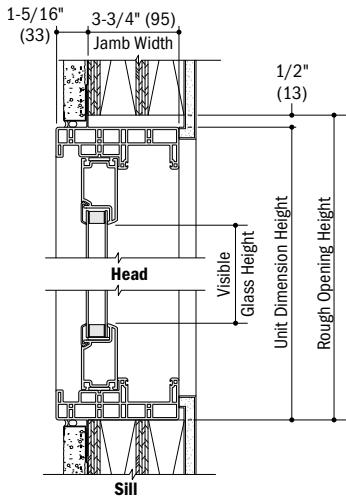
Vertical Section
Casement or Awning Window



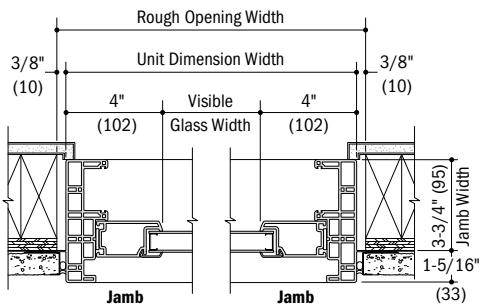
Horizontal Section
Casement or Awning Window



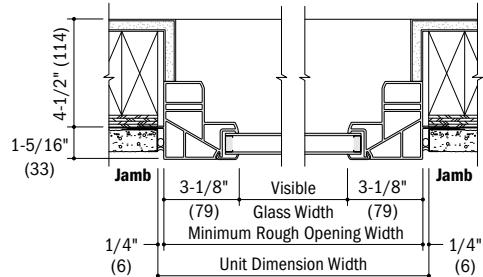
Vertical Section Picture Window



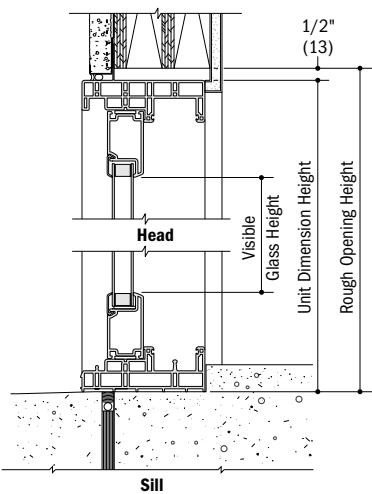
Vertical Section Transom



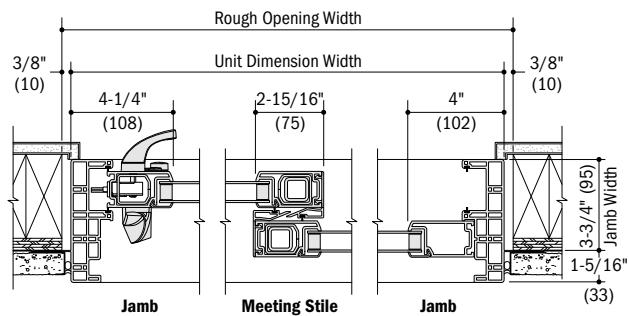
Horizontal Section Sidelight or Transom



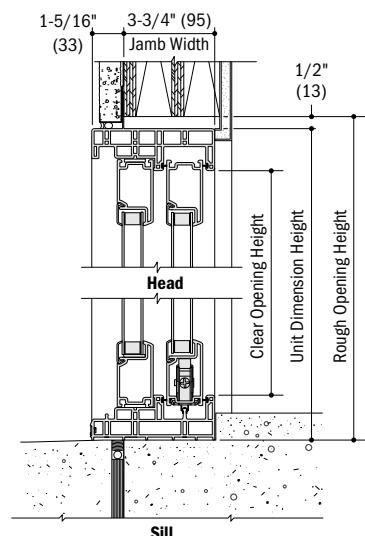
Horizontal Section Picture Window



Vertical Section Sidelight



Horizontal Section Gliding Patio Door



Vertical Section Gliding Patio Door

- Proper installation and maintenance of Andersen products is essential to attain optimum performance and operation. Written installation instructions which provide guidelines for proper installation are typically provided with Andersen products. They are also available from your local Andersen supplier or 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 complete installation details, refer to "Product Installation Details" at andersenwindows.com or contact your Andersen supplier.

Performance Data

100 Series Unit Performance Data

100 Series Product	Performance Rating	Typical Air Infiltration					Low-E						SmartSun™ Low-E					
			Standard		STC Upgrade		Without Grilles			With Grilles			Without Grilles			With Grilles		
			Sound Transmittance Class (STC)	OITC	Sound Transmittance Class (STC)	OITC	U-Factor	SHGC	VT	U-Factor	SHGC	VT	U-Factor	SHGC	VT	U-Factor	SHGC	VT
Single-Hung	PG30	0.100 cfm/ft²	25	21	32	26	0.31	0.32	0.54	0.31	0.28	0.48	0.30	0.21	0.49	0.30	0.19	0.43
Gliding	PG30	0.080 cfm/ft²	25	21	32	26	0.31	0.32	0.54	0.31	0.28	0.48	0.30	0.21	0.49	0.30	0.19	0.43
Casement/Awning	PG30	<0.023 cfm/ft²	26	22	30	26	0.29	0.28	0.48	0.29	0.26	0.43	0.28	0.19	0.43	0.28	0.17	0.39
Fixed	PG30	<0.010 cfm/ft²	27	22	31	26	0.29	0.33	0.56	0.29	0.29	0.50	0.29	0.22	0.50	0.29	0.20	0.45
2-Panel Door	PG30	0.150 cfm/ft²	N/A	N/A	N/A	N/A	0.30	0.32	0.55	0.32	0.29	0.48	0.30	0.21	0.50	0.31	0.19	0.44
Sidelight/Transom	PG30	<0.010 cfm/ft²	N/A	N/A	N/A	N/A	0.30	0.25	0.43	0.30	0.23	0.38	0.30	0.17	0.39	0.30	0.15	0.35

100 Series Center of Glass Performance Data

	Visible Light	SC	SHGC	RHG	Fading		U-Factor	%RH@center	IGST
					Tuv	Tdw			
Low-E Glass									
Single Hung/Glider/Casement/Awning	73%	0.48	0.42	96.68	0.171	0.343	0.26	61%	55.0°F
Fixed	73%	0.48	0.42	98.25	0.171	0.343	0.26	61%	55.0°F
Smart Sun Glass									
Single Hung/Glider/Casement/Awning	65%	0.31	0.27	65.28	0.053	0.213	0.25	61%	55.8°F
Fixed	65%	0.31	0.27	64.89	0.053	0.213	0.26	61%	55.4°F

Altitude Limits

For recommendations on the use of breather tubes, go to www.andersenwindows.com/100series.

Window Combination Design

Joining Method: 1/2" Wood Non-Reinforced

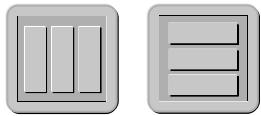
Type of Combination: 1-Way (Ribbon or Stack)

Max. Number of Units

Mulled together: 6W or 6H

Maximum size: 8' x 12' or 12' x 8'

2 Dimensional Mulls: Not recommended



2-way combinations are not recommended.

Combined Unit Dimension: For any two units with combined widths equal to or greater than 8', the mull joint cannot exceed 7'. For any two units with combined heights equal to or greater than 8', the mull joint cannot exceed 7'.

Special Rules: No curved units side-by-side with any other unit
No units under single-hung or gliding window

Door Combination Design

Joining Method: 3/4" Wood Non-Reinforced

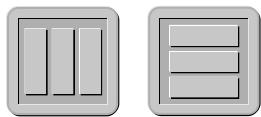
Type of Combination: 1-Way (Ribbon or Stack)

Max. Number of Units

Mulled together: 3W or 3H

Maximum size: 16' x 8' or 8' x 12'

2 Dimensional Mulls: Not recommended



2-way combinations are not recommended.

Special Rules: 100 Series doors, sidelights, and transoms cannot be joined to 100 Series windows

Andersen® 100 Series Windows and Doors

Andersen Windows, Inc.

Ten-Year (10) Limited owner2owner™ LIMITED WARRANTY Warranty

Andersen® 100 Series window and door units are warranted to be free from defects in manufacturing, materials and workmanship for ten (10) years from the date of purchase from the retailer/dealer. The glass is also warranted not to develop, under normal conditions, any material obstruction of vision resulting from manufacturing defects or as a result of premature failure of the glass or organic seal for ten (10) years from the date of purchase from the retailer/dealer.

In the event a component fails as a result of a defect in manufacturing, materials or workmanship within the limited warranty period, Andersen, at its option, will: (1) provide replacement parts to the Andersen retailer/dealer you specify—installation labor is not included; or (2) provide a factory authorized repair to the existing component at no cost to you; or (3) refund the original purchase price or retailer's/dealer's price at the time of the original purchase, whichever is less. Such replacement parts or repairs are warranted for the remainder of the original limited warranty period.

General conditions and exclusions

The limited warranty set forth in this document is the only express warranty (whether written or oral) applicable to Andersen 100 Series windows and doors, and no one is authorized to modify or expand this limited warranty. All warranty claims must be made during the applicable warranty period.

ALL IMPLIED WARRANTIES INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WILL EXPIRE WITH THE TERM OF THE 10 YEAR LIMITED WARRANTY. ANDERSEN EXCLUDES AND WILL NOT PAY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES AND ITS LIABILITY WILL IN ALL INSTANCES BE LIMITED TO REPAIR OR REPLACEMENT OR REFUND OF THE ACTUAL PURCHASE PRICE OF THE DEFECTIVE PRODUCT.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitation of the duration of an implied warranty, so the above limitations or exclusions may not apply to you.

This limited warranty is only applicable in the U.S.A. (i.e. the fifty states and the District of Columbia). This limited warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

What is not covered by this limited warranty

Product failure or damage due to improper installation or modification including:

- Adjustments or corrections due to improper installation
- Failures due to product modifications or glass shading devices (e.g., glass tinting, security systems, improper painting or staining, insulated coverings, etc.)
- Units improperly assembled or improperly mulled by others
- Failure due to the application of non-Andersen hardware (e.g., locksets, trim sets, hinges, panic hardware, closers, etc.)
- Failure to properly install Andersen hardware

Damage caused by the following:

- Improper maintenance or use, including use of a non-commercial door as a main entrance or exit door for a building other than a single-family residential unit
- Exposure to conditions beyond published performance specifications
- Water infiltration other than as a result of a defect in manufacturing, materials or workmanship
- Condensation
- Using brickwash, razor blades or sealants
- Sanding or improper washing
- Chemicals or airborne pollutants, such as salt or acid rain
- Delivery by others
- Accidents
- Acts of God
- Normal wear and tear

Additional items excluded from this limited warranty:

- Labor to replace sash or door panels, glass or other components
- Labor and other costs related to the removal and disposal of defective product
- Labor and materials to paint or stain any repaired or replaced product, component, trim or other carpentry work that may be required
- Products not manufactured by Andersen
- Slight glass curvature, minor scratches or other imperfections in the glass that do not impair structural integrity or significantly obscure normal vision
- Tarnish or corrosion to hardware finishes
- Service trips to provide instruction on product use
- Applicable taxes and freight
- Removal and re-installation of a previously installed Andersen product into a different structure
- Replacement parts for products outside the applicable warranty period
- Glass that is not factory applied by Andersen
- All other Andersen window and door products, Andersen storm doors and Renewal by Andersen products have their own limited warranties and are not covered by this limited warranty.

For information on warranty coverage for Andersen® products other than 100 Series windows and doors, please refer to the specific limited warranties for those products. They are available from your Andersen dealer or at www.andersenwindows.com/warranty.

How to register your limited warranty

Andersen offers quick, easy warranty registration on our web site. Just go to www.andersenwindows.com/warranty and submit your

warranty information online. By registering, you will expedite any warranty service you may have in the future. In addition, you can receive product information updates, safety notices and special offers regarding new products, as well as information regarding enhancements for the windows and doors you've registered.

EASY Online Registration

All warranty information is treated as highly confidential and will never be sold or traded to any person or organization outside of Andersen Corporation and the Andersen Dealer Network.

How to get help

For further information or to make a claim within this limited warranty period, please contact the Andersen retailer/dealer who supplied you with your Andersen® product. If unavailable or unknown to you, you may contact us at:

Andersen Windows, Inc.
Andersen Service Center
100 Fourth Avenue North
Bayport, MN 55003-1096

You may also contact us using the Customer Care section of our website at www.andersenwindows.com or reach us by phone at 1-888-888-7020.

You can help us serve you faster by collecting and including the following important information:

- Description of the product such as the exterior color, unit size or inside visible glass measurements
- Product ID label information
- Description of product concerns
- Documentation of the purchase date, if available
- Your name, address (with zip code) where the product is installed and telephone numbers

If the limited warranty period has expired or for repairs not covered by warranty, many replacement parts are available for purchase. When warranty coverage is unclear, Andersen may charge an inspection fee for any on-site product inspection. If the inspector determines the Andersen® product has a defect covered by this limited warranty, the inspection fee will be waived.

For specific warranty information outside the United States, please contact your local distributor or write to:

Andersen Corporation
International Division
100 Fourth Avenue North
Bayport, MN 55003-1096 USA

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.



Andersen makes windows and doors that meet **ENERGY STAR®** performance requirements in all 50 states. Andersen Corporation was named the 2010 ENERGY STAR® Partner of the Year award.



Andersen is a charter member of the **U.S. Green Building Council** and a strong supporter of its LEED® (Leadership in Energy and Environmental Design) Green Building Rating System.



Andersen was the first window and door manufacturer with **Green Seal™** certified products.

owner2owner[®] LIMITED WARRANTY

Most window and patio door warranties are prorated and end when a home is sold. Ours keeps its full value for ten years and transfers from owner to owner, so it can add to the resale value of your home.**

** See the Andersen 100 Series limited warranty for details.

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WINDOWS • DOORS
Andersen
Come home to Andersen.®