

JELD-WEN
WINDOWS & DOORS

WINDOW & DOOR SIZING GUIDE

WILLMAR COLLECTION VINYL WINDOWS AND EXTERIOR DOORS





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This guide provides basic information about sizing windows and doors. It is meant to help you select appropriate windows and doors for your new building or remodeling project.



STARTING OUT SMART

Windows are Ordered Using Metric Sizing

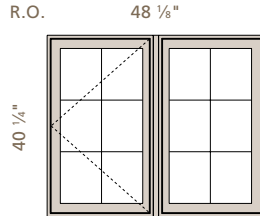
Metric sizing has been used by Canadian window manufacturers for many years and is easily converted to imperial measurement using the following formula:

EXAMPLE

$$\frac{\text{mm}}{25.4} = \text{inches}$$

$$\frac{600 \text{ mm}}{25.4} = 23.622 \text{ or } 23 \frac{5}{8}''$$

By simply adding up your box widths and heights and dividing by 25.4, you can arrive at your overall outside frame measurement (OSM). Add 7/8" for your rough opening (R.O.). Once you determine the size of window required, the OSM frame is converted to metric.



What is R.O.?

R.O. or rough opening is the framed opening required to install the window. The R.O. is approximately 7/8" larger than the outside measurement of the window frame. This leaves a 7/16" space around the entire window.

What is OSM Frame Measurement?

OSM frame is the outside measurement of the window frame. This measurement is required when measuring for a full replacement window unit.

Window Measuring Overview

Before you select your windows, take a few measurements to ensure the proper fit.

The four basic steps

1. Determine if the existing window frames are square, level and plumb. If they are not, contact a professional to provide assistance.
 - Square:** Measure the diagonals of the window frame.
 - Level and plumb:** Place a level against the window opening jambs and determine if the window is level horizontally and plumb (see Fig. 1). The window should not be more than 1/8" out-of-level or plumb.
2. Take three measurements for both height and width (see Fig. 2).
3. Report the smallest measurements when ordering. All three measurements should be within 1/8". If they are not, contact a professional to provide assistance.
4. Provide a jamb width measurement.

Full replacement of existing windows

- From the inside, remove the casing and measure width and height from the outside of the window frame, 6" from the corners and at the centre. This is your outside frame measurement, or OSM frame.
- From the outside, measure the width (brickmould to brickmould) and height (brickmould to sill) of the outside of the windows, 6" from the corners and at the centre. This is your outside brickmould measure measurement, or OSM brickmould.

Report the smallest measurements here:

OSM frame measurement: width _____ height _____

OSM brickmould measurement: width _____ height _____

jamb width _____ height _____

R.O. measurement: width _____ height _____

(Add 7/8" to OSM width and height.)

Box unit replacement of existing windows

- Measure width and height from the inside of the window frame (where the existing window sash is located), 6" from the corners and at the centre. This is your inside frame measurement, or ISM frame.

Report the smallest measurements here:

ISM frame measurement: width _____ height _____

Getting the measurement right

To ensure your new windows are weathertight, it's crucial to obtain the correct measurements. Therefore, you may want to consider professional assistance.

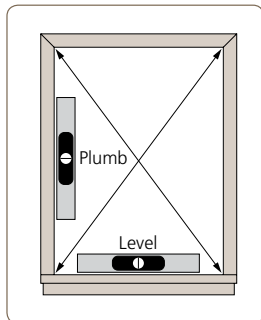


Fig. 1

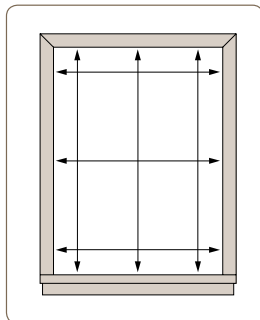


Fig. 2

Door measuring overview

- Remove the interior casing and measure the height and width of the existing door frame.
- Measure the door slab.
- Measure the thickness of the wall to determine the jamb width needed.
- Determine the door swing you need. Door swing refers to the directional swing of the door based on the location of the hinges, viewed from the outside (see page 13).

Report the measurements here:

Door frame measurement: width _____ height _____

Door slab measurement: width _____ height _____

jamb width _____

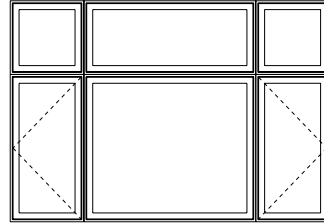
Swing _____

NOTE: Always report measurements width by height.

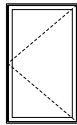


CASEMENT VINYL ES7000 (7E) WILLMAR COLLECTION

Our ES7000 vinyl casement windows open wide and outward like a door. They are easy to clean, provide good air circulation and close tightly against harsh weather. For smooth and secure operation, Truth® Encore® hardware is sealed to the vinyl frame to minimize air leakage and infiltration.

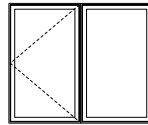


Various combinations can be specified using casement windows with fixed and picture windows. Our fixed windows have identical glass sitalines as our casement windows. Picture windows provide a larger glass area compared to fixed windows because the insulating glass unit is directly glazed to the frame. Unique combinations can also be created by mulling and stacking individual single boxes.

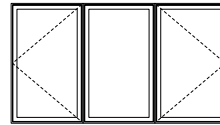


Can be left (shown) or right opening

■ 1 Wide Casement



■ 2 Wide Casement



■ 3 Wide Casement

2 and 3 wide units can be any combination of casement and fixed or picture windows.

Sizing Chart Legend

- R.O. Rough Opening
- E Meets egress with standard hinge
- E* Requires egress hinge to meet egress

ES7000 Casement Windows Sizing Chart

		R.O. Width									
		12 5/8"	16 5/8"	20 1/2"	24 1/2"	28 3/8"	30 3/8"	32 3/8"	36 1/4"	40 1/4"	48 1/8"
R.O. Height	12 5/8"										
	16 5/8"		■	■				■		■	■
	20 1/2"		■	■	■			■		■	■
	24 1/2"		■	■	■	■		■		■	■
	28 3/8"		■	■	■	■		■		■	■
	30 3/8"		■	■	■	■	■ E*	■ ■ E*		■	■ ■
	32 3/8"		■	■	■	■	■ E*	■ ■ E	■ E	■	■ ■
	36 1/4"		■	■	■	■ E*	■ E	■ ■ E	■ E	■	■ ■
	40 1/4"		■	■	■ E*	■ E	■ E	■ ■ E	■ E	■	■ ■
	48 1/8"		■	■	■ E*	■ E	■ E	■ ■ E	■ E	■	■ ■
	56"		■	■	■ E*	■ E	■ E	■ ■ E	■ E	■	■ ■
	59 7/8"		■	■	■ E*	■ E	■ E	■ ■ E	■ E	■	■ ■
	63 7/8"		■	■	■ E*	■ E	■ E	■ ■ E	■ E	■	■ ■
	71 3/4"		■	■	■ E*	■ E	■ E	■ ■ E	■ E	■	■ ■
	79 5/8"										
	83 1/2"										
	95 3/8"										

		R.O. Width									
		56"	59 7/8"	63 7/8"	71 3/4"	79 5/8"	83 1/2"	89 3/8"	95 3/8"	107 1/8"	111 1/8"
R.O. Height	12 5/8"										
	16 5/8"		■								
	20 1/2"		■		■						
	24 1/2"	■	■		■		■				
	28 3/8"	■	■ ■		■		■				
	30 3/8"	■	■ ■	■	■		■		■		
	32 3/8"	■	■ ■	■	■		■		■		■
	36 1/4"	■	■ ■	■	■		■		■		■
	40 1/4"	■	■ ■	■	■		■		■		■
	48 1/8"	■	■ ■	■	■		■		■		■
	56"	■	■ ■	■	■		■		■		■
	59 7/8"	■	■ ■	■	■		■		■		■
	63 7/8"	■	■ ■	■	■		■		■		■
	71 3/4"	■	■ ■	■	■		■		■		■
	79 5/8"										
	83 1/2"										
	95 3/8"										

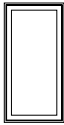
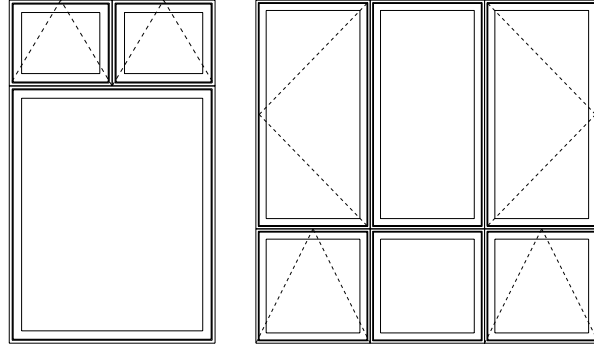


FIXED WILLMAR COLLECTION VINYL ES7000 (7E)

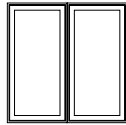
Our vinyl fixed windows look like operating windows but remain fixed, while providing maximum glass for enhanced view and light. Available in many sizes and shapes, they offer even sitemlines and correspond in appearance to our ES7000 line of casement and awning windows.

Our fixed windows have identical glass sitemlines to our casement and awning windows, making various combinations possible.

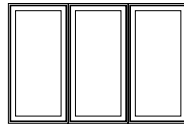
Angle individual units to create a bay or a bow window (see page 12).



■ 1 Wide Fixed



■ 2 Wide Fixed



■ 3 Wide Fixed

2 and 3 wide units can be any combination of fixed and operating windows.

ES7000 Fixed Windows Sizing Chart

Sizing Chart Legend
R.O. Rough Opening

		R.O. Width													
		12 5/8"	16 5/8"	20 1/2"	24 1/2"	28 3/8"	30 3/8"	32 3/8"	36 1/4"	40 1/4"	48 1/8"				
R.O. Height	12 5/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	16 5/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	20 1/2"		■	■	■	■	■	■	■	■	■	■	■	■	■
	24 1/2"		■	■	■	■	■	■	■	■	■	■	■	■	■
	28 3/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	30 3/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	32 3/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	36 1/4"		■	■	■	■	■	■	■	■	■	■	■	■	■
	40 1/4"		■	■	■	■	■	■	■	■	■	■	■	■	■
	48 1/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	56"		■	■	■	■	■	■	■	■	■	■	■	■	■
	59 7/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	63 7/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	71 3/4"		■	■	■	■	■	■	■	■	■	■	■	■	■
	79 5/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	83 1/2"		■	■	■	■	■	■	■	■	■	■	■	■	■
95 3/8"		■	■	■	■	■	■	■	■	■	■	■	■	■	

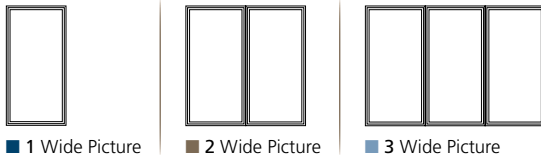
		R.O. Width														
		56"	59 7/8"	63 7/8"	71 3/4"	79 5/8"	83 1/2"	89 3/8"	95 3/8"	107 1/8"	111 1/8"					
R.O. Height	12 5/8"	■	■	■	■	■	■									
	16 5/8"	■	■	■	■	■	■									
	20 1/2"	■	■	■	■	■	■									
	24 1/2"	■	■	■	■	■	■									
	28 3/8"	■	■	■	■	■	■	■								
	30 3/8"	■	■	■	■	■	■	■	■							
	32 3/8"	■	■	■	■	■	■	■	■	■						
	36 1/4"	■	■	■	■	■	■	■	■	■	■					
	40 1/4"	■	■	■	■	■	■	■	■	■	■	■				
	48 1/8"	■	■	■	■	■	■	■	■	■	■	■	■			
	56"	■	■	■	■	■	■	■	■	■	■	■	■	■		
	59 7/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	63 7/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	71 3/4"	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	79 5/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	83 1/2"	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
95 3/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	

PICTURE WILLMAR COLLECTION VINYL ES7000 (7E)



Our picture windows are non-operating stationary window units designed to correspond in appearance to our ES7000 line of casement and awning windows. Available in virtually any size or shape, our picture windows are directly glazed into their frames in order to provide you with large and uninterrupted views.

Our picture windows are designed to work in combination with our casement and awning windows, making various combinations possible. Angle individual units to create a bay or a bow window. Picture windows are also ideal as transoms.



2 and 3 wide units can be any combination of fixed and operating windows.

■ 1 Wide Picture ■ 2 Wide Picture ■ 3 Wide Picture

ES7000 Picture Windows Sizing Chart

Sizing Chart Legend
R.O. Rough Opening

		R.O. Width													
		12 5/8"	16 5/8"	20 1/2"	24 1/2"	28 3/8"	30 3/8"	32 3/8"	36 1/4"	40 1/4"	48 1/8"				
R.O. Height	12 5/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	16 5/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	20 1/2"		■	■	■	■	■	■	■	■	■	■	■	■	■
	24 1/2"		■	■	■	■	■	■	■	■	■	■	■	■	■
	28 3/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	30 3/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	32 3/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	36 1/4"		■	■	■	■	■	■	■	■	■	■	■	■	■
	40 1/4"		■	■	■	■	■	■	■	■	■	■	■	■	■
	48 1/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	56"		■	■	■	■	■	■	■	■	■	■	■	■	■
	59 7/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	63 7/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	71 3/4"		■	■	■	■	■	■	■	■	■	■	■	■	■
	79 5/8"		■	■	■	■	■	■	■	■	■	■	■	■	■
	83 1/2"		■	■	■	■	■	■	■	■	■	■	■	■	■
95 3/8"		■	■	■	■	■	■	■	■	■	■	■	■	■	

		R.O. Width													
		56"	59 7/8"	63 7/8"	71 3/4"	79 5/8"	83 1/2"	89 3/8"	95 3/8"	107 1/8"	111 1/8"				
R.O. Height	12 5/8"	■	■	■	■	■	■								
	16 5/8"	■	■	■	■	■	■								
	20 1/2"	■	■	■	■	■	■								
	24 1/2"	■	■	■	■	■	■								
	28 3/8"	■	■	■	■	■	■	■							
	30 3/8"	■	■	■	■	■	■	■	■						
	32 3/8"	■	■	■	■	■	■	■	■	■					
	36 1/4"	■	■	■	■	■	■	■	■	■	■				
	40 1/4"	■	■	■	■	■	■	■	■	■	■	■			
	48 1/8"	■	■	■	■	■	■	■	■	■	■	■	■		
	56"	■	■	■	■	■	■	■	■	■	■	■	■	■	
	59 7/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	63 7/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	71 3/4"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	79 5/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	83 1/2"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
95 3/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■	

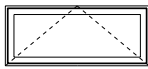
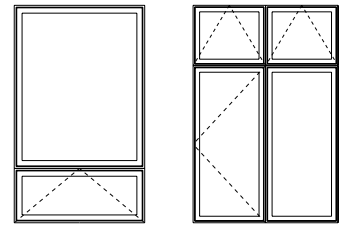
AWNING WILLMAR COLLECTION VINYL ES7000 (7E)



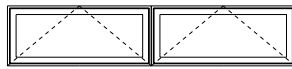
Versatile and design-friendly, awning windows work well under many architectural circumstances, including groupings with other windows.

They open from the bottom using a top hinge, allowing for air circulation in any kind of weather, including rain.

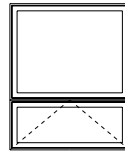
Various combinations can be specified using awning windows with fixed and picture windows. Our fixed windows have identical glass sitelines to our awning windows. Picture windows provide a larger glass area compared to fixed windows. Unique combinations can also be created by mulling and stacking awning windows with other window types.



■ 1 Wide Awning



■ 2 Wide Awning



■ 2 High Combination Awning

2 wide and 2 high units can be any combination of awning and fixed, picture, or other types of operating windows.

ES7000 Awning Windows Sizing Chart

Sizing Chart Legend
R.O. Rough Opening

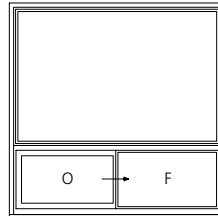
		R.O. Width									
		12 5/8"	16 5/8"	20 1/2"	24 1/2"	28 3/8"	30 3/8"	32 3/8"	36 1/4"	40 1/4"	48 1/8"
R.O. Height	12 5/8"										
	16 5/8"				■	■	■	■	■	■	■ ■
	20 1/2"				■	■	■	■	■	■	■ ■
	24 1/2"				■	■	■	■	■	■	■ ■
	28 3/8"				■	■	■	■	■	■	■ ■
	30 3/8"				■	■	■	■	■	■	■ ■
	32 3/8"				■	■	■	■	■	■	■ ■
	36 1/4"				■	■	■	■	■	■	■ ■
	40 1/4"				■	■	■	■	■	■	■ ■
	48 1/8"				■	■	■	■	■	■	■ ■
	56"						■	■	■	■	■
	59 7/8"						■	■	■	■	■
	63 7/8"						■	■	■	■	■
	71 3/4"						■	■	■	■	■
	79 5/8"							■	■	■	■
	83 1/2"								■	■	■
95 3/8"											

		R.O. Width									
		56"	59 7/8"	63 7/8"	71 3/4"	79 5/8"	83 1/2"	89 3/8"	95 3/8"	107 1/8"	111 1/8"
R.O. Height	12 5/8"										
	16 5/8"	■ ■	■ ■	■	■	■			■	■	■
	20 1/2"	■ ■	■ ■	■	■	■			■	■	■
	24 1/2"	■ ■	■ ■	■	■	■			■	■	■
	28 3/8"	■ ■	■ ■	■	■	■			■	■	■
	30 3/8"	■ ■	■ ■	■	■	■			■	■	■
	32 3/8"	■	■	■	■	■			■	■	■
	36 1/4"	■	■	■	■	■			■	■	■
	40 1/4"	■	■	■	■	■			■	■	■
	48 1/8"										
	56"	■	■								
	59 7/8"	■	■								
	63 7/8"	■	■								
	71 3/4"	■	■								
	79 5/8"										
	83 1/2"										
95 3/8"											

SLIDER WILLMAR COLLECTION VINYL ES3500 (35E)

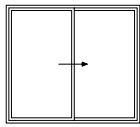


Our popular slider windows combine durability with clean lines and good looks. With these units, one sash moves horizontally past a stationary sash on a track. Our line of vinyl sliding windows offers energy-efficient technology and construction with a wide variety of insulating glass and design options.

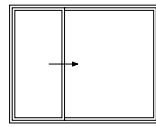


Slider windows are available as OFF, FFO, OFO, or as FO or OF. You can also combine them with our ES3500 line of picture windows.

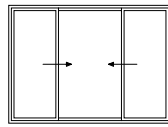
NOTE: F = Fixed
O = Operating



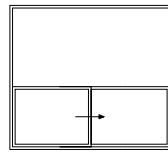
■ 1 Slider



■ 2 Lite Offset Slider



■ 3 Lite Slider



■ 2 High Combination Slider

All slider window units can be ordered as operating / fixed, or as fixed / operating.

Sizing Chart Legend

R.O. Rough Opening
E Meets egress with standard hinge

ES3500 Slider Windows Sizing Chart

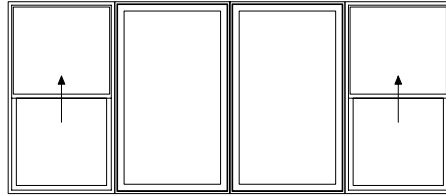
		R.O. Width									
		12 5/8"	16 5/8"	20 1/2"	24 1/2"	28 3/8"	30 3/8"	32 3/8"	36 1/4"	40 1/4"	48 1/8"
R.O. Height	12 5/8"								■	■	■
	16 5/8"						■	■	■	■	■
	20 1/2"				■	■	■	■	■	■	■
	24 1/2"				■	■	■	■	■	■	■
	28 3/8"				■	■	■	■	■	■	■
	30 3/8"				■	■	■	■	■	■	■
	32 3/8"				■	■	■	■	■	■	■ E
	36 1/4"						■	■	■	■	■ E
	40 1/4"							■	■	■ E	■ E
	48 1/8"								■	■ E	■ E
	56"							■	■	■ E	■ E
	59 7/8"							■	■	■	■ ■ E
	63 7/8"							■	■	■	■
	71 3/4"							■	■	■	■
	79 5/8"										
83 1/2"											
95 3/8"											

		R.O. Width									
		56"	59 7/8"	63 7/8"	71 3/4"	79 5/8"	83 1/2"	89 3/8"	95 3/8"	107 1/8"	111 1/8"
R.O. Height	12 5/8"	■	■	■	■						
	16 5/8"	■	■ ■	■	■ ■ ■		■ ■		■	■	
	20 1/2"	■	■ ■	■	■ ■ ■		■ ■		■	■	
	24 1/2"	■	■ ■	■ E	■ ■ ■ E		■ ■		■	■	
	28 3/8"	■ E	■ ■ E	■ E	■ ■ ■ E		■ ■		■	■	
	30 3/8"	■ E	■ ■ E	■ E	■ ■ ■ E		■ ■		■	■	
	32 3/8"	■ E	■ ■ E	■ E	■ ■ ■ E		■ ■		■	■	
	36 1/4"	■ E	■ ■ E	■ E	■ ■ ■ E		■ ■		■	■	
	40 1/4"	■ E	■ ■ E	■ E	■ ■ ■ E		■ ■		■	■	
	48 1/8"	■ E	■ ■ E	■ E	■ ■ ■ E		■ ■		■	■	
	56"	■ ■ E	■ ■ ■ E	■ ■ E	■ ■ ■ ■ E		■ ■		■	■	
	59 7/8"	■ ■ E	■ ■ ■ E	■ ■ E	■ ■ ■ ■ E		■ ■		■	■	
	63 7/8"	■	■	■	■						
	71 3/4"	■	■	■	■						
	79 5/8"										
83 1/2"											
95 3/8"											

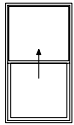
SINGLE-HUNG WILLMAR COLLECTION VINYL ES3500 (35E)



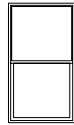
Single-hung windows feature a stationary upper sash and an operable lower sash that slides up or down in the frame for control of air movement. Our ES3500 line of vinyl sliding windows offers energy-efficient technology and construction with a wide variety of insulating glass and design options.



Various combinations can be specified using ES3500 single-hung windows with ES3500 picture windows. Individual units can be angled to create a bow or a bay window. Single-hung windows are also available as fixed single-hung units to match operating units.



■ 1 Single-Hung



■ Fixed Single-Hung

Sizing Chart Legend

R.O. Rough Opening

E Meets egress with standard hinge

ES3500 Single-Hung Windows Sizing Chart

		R.O. Width														
		12 5/8"	16 5/8"	20 1/2"	24 1/2"	28 3/8"	30 3/8"	32 3/8"	36 1/4"	40 1/4"	48 1/8"					
R.O. Height	12 5/8"															
	16 5/8"															
	20 1/2"															
	24 1/2"				■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■
	28 3/8"			■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■
	30 3/8"		■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■
	32 3/8"		■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■
	36 1/4"		■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■
	40 1/4"		■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■
	48 1/8"		■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■
	56"		■ ■	■ ■	■ ■	■ ■	■ ■ E	■ ■ E	■ ■	■ ■	■ ■ E	■ ■ E	■ ■ E	■ ■ E	■ ■ E	■ ■ E
	59 7/8"		■ ■	■ ■	■ ■	■ ■	■ ■ E	■ ■ E	■ ■	■ ■	■ ■ E	■ ■ E	■ ■ E	■ ■ E	■ ■ E	■ ■ E
	63 7/8"		■ ■	■ ■	■ ■	■ ■ E	■ ■ E	■ ■ E	■ ■	■ ■	■ ■ E	■ ■ E	■ ■ E	■ ■ E	■ ■ E	■ ■ E
	71 3/4"		■ ■	■ ■	■ ■	■ ■ E	■ ■ E	■ ■ E	■ ■	■ ■	■ ■ E	■ ■ E	■ ■ E	■ ■ E	■ ■ E	■ ■ E
	79 5/8"															
	83 1/2"															
95 3/8"																

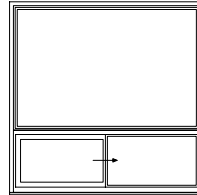
		R.O. Width													
		56"	59 7/8"	63 7/8"	71 3/4"	79 5/8"	83 1/2"	89 3/8"	95 3/8"	107 1/8"	111 1/8"				
R.O. Height	12 5/8"														
	16 5/8"														
	20 1/2"														
	24 1/2"														
	28 3/8"														
	30 3/8"														
	32 3/8"														
	36 1/4"														
	40 1/4"														
	48 1/8"														
	56"														
	59 7/8"														
	63 7/8"														
	71 3/4"														
	79 5/8"														
	83 1/2"														
95 3/8"															

PICTURE VINYL ES3500 (35E)

WILLMAR COLLECTION



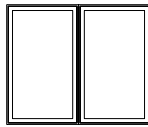
Our ES3500 picture windows are non-operating stationary window units designed to correspond in appearance to our ES3500 line of slider and single-hung windows. Available in virtually any size or shape, our picture windows are directly glazed into their frames in order to provide large and uninterrupted views.



Various combinations can be specified using ES3500 picture windows with our ES3500 line of slider and single-hung windows.



■ 1 Wide Picture



■ 2 Wide Picture

ES3500 Picture Windows Sizing Chart

Sizing Chart Legend
R.O. Rough Opening

		R.O. Width													
		12 5/8"	16 5/8"	20 1/2"	24 1/2"	28 3/8"	30 3/8"	32 3/8"	36 1/4"	40 1/4"	48 1/8"				
R.O. Height	12 5/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	16 5/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	20 1/2"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	24 1/2"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	28 3/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	30 3/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	32 3/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	36 1/4"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	40 1/4"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	48 1/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	56"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	59 7/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	63 7/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	71 3/4"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	79 5/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	83 1/2"	■	■	■	■	■	■	■	■	■	■	■	■	■	■
95 3/8"	■	■	■	■	■	■	■	■	■	■	■	■	■	■	

		R.O. Width													
		56"	59 7/8"	63 7/8"	71 3/4"	79 5/8"	83 1/2"	89 3/8"	95 3/8"	107 1/8"	111 1/8"				
R.O. Height	12 5/8"	■	■	■	■	■	■								
	16 5/8"	■	■	■	■	■	■								
	20 1/2"	■	■	■	■	■	■								
	24 1/2"	■	■	■	■	■	■								
	28 3/8"	■	■	■	■	■	■								
	30 3/8"	■	■	■	■	■	■								
	32 3/8"	■	■	■	■	■	■								
	36 1/4"	■	■	■	■	■	■								
	40 1/4"	■	■	■	■	■	■								
	48 1/8"	■	■	■	■	■	■								
	56"	■	■	■	■	■	■								
	59 7/8"	■	■	■	■	■	■								
	63 7/8"	■	■	■	■	■	■								
	71 3/4"	■	■	■	■	■	■								
	79 5/8"	■	■	■	■	■	■								
	83 1/2"	■	■	■	■	■	■								
95 3/8"	■	■	■	■	■	■									

FULLVENT WILLMAR COLLECTION VINYL ES3500 (35E)



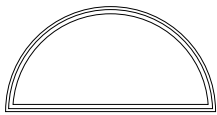
Vinyl Fullvent Basement Windows		
Code Size	Rough Opening	OSM Frame Size
35EF 84	32 3/8" x 16 5/8"	31 1/2" x 15 3/4"
35EF 85	32 3/8" x 20 1/2"	31 1/2" x 19 11/16"
35EF 105	40 1/4" x 20 1/2"	39 3/8" x 19 11/16"
35EF 105 E	40 1/4" x 22 1/2"	39 3/8" x 21 5/8"
35EF 144	56" x 16 5/8"	55 1/8" x 15 3/4"
35EF 145	56" x 20 1/2"	55 1/8" x 19 11/16"
35EF 1455 E	56" x 22 1/2"	55 1/8" x 21 5/8"

Sizing Chart Legend

OSM Outside Measurement
E Meets egress

SPECIALTY

Fixed, radius and geometric windows are a distinctive choice that can emphasize a home's architectural style or bring light into areas that reach beyond where windows would normally go. Specialty windows include both fixed (direct set) and operating units in a wide variety of shapes and sizes.



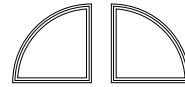
Half Round



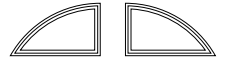
Segmental



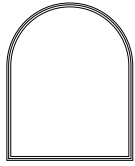
Elliptical



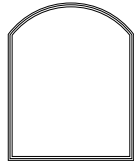
Quarter Round



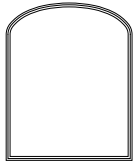
Quarter Segmental



Extended Half Round



Extended Segmental



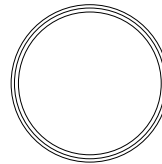
Extended Elliptical



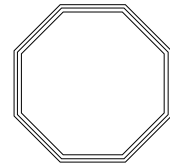
Extended Quarter Round



Extended Quarter Segmental



Round



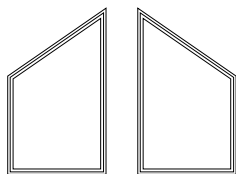
Octagon



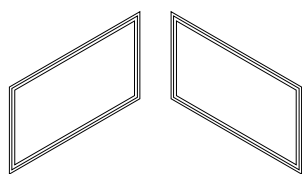
Oval

ANGLED

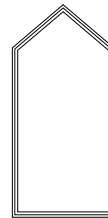
Angled windows are specialty windows designed to fit into areas that require an angle for one or more of the window's sides. Examples include under peaks, over doors, near corners or alongside a stairway.



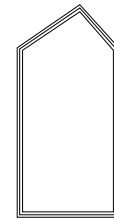
1 Leg Rakehead



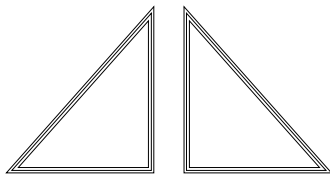
Parallelogram



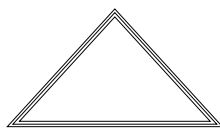
Peakhead



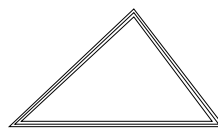
Offset Peakhead



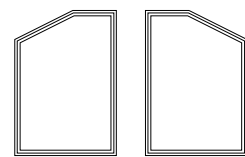
Legless Rakehead



Legless Peakhead



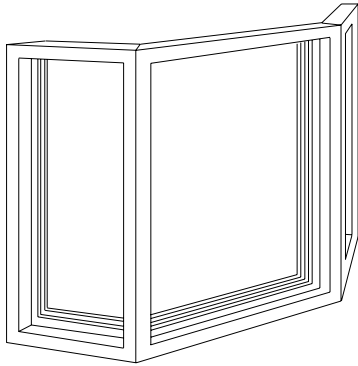
Legless Offset Peakhead



1 Leg Offset Peakhead

BAY & BOW WILLMAR COLLECTION VINYL ES3500 & ES7500

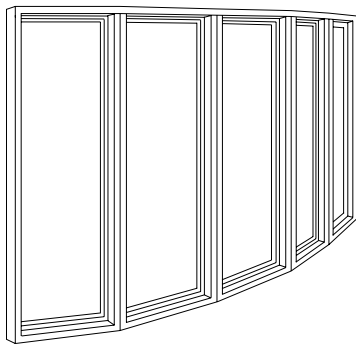
Bay and bow windows add elegance and extra light to a room, making it seem larger. Ideal for living rooms, kitchens, family rooms and master bedrooms, bay and bow windows project outwards from your home's exterior wall, giving you a greater sense of space and an expanded view of the outdoors. There are "straight wall" and "framed wall" bay and bow windows. Straight wall means the floor and ceiling will be the same angle as the bay or bow window. A framed wall means there will be a head (top) and a seat (ledge/bottom).



Bay windows are a series of three windows that includes a centre unit, parallel with your wall, and two "flanker" windows. Casement windows are a popular choice as flanker windows.

Framed Wall Bay		Straight Wall Bay	
30° Bay	45° Bay	30° Bay	45° Bay
3 - LPR	3 - LFR	3 - FFF	3 - PPP

Units can be any combination of casement, single-hung, fixed, or picture windows. Custom sizes and angles are also available for both bay and bow windows.



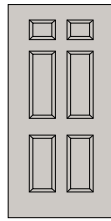
Bow windows are a series of four or more windows that combine in a graceful, gradual curve. Choose picture windows or a combination of fixed and operating units.

4-Wide Framed Wall Bow	4-Wide Straight Wall Bow
15° Bow	15° Bow
5-Wide Framed Wall Bow	5-Wide Straight Wall Bow
15° Bow	15° Bow

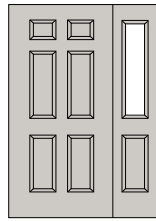


PREMIUM FIBREGLASS AND CONTOURS™ STEEL ENTRY & GARDEN DOORS

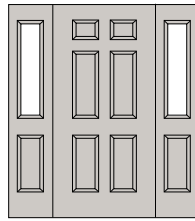
Entry Door



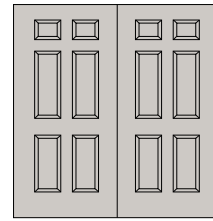
Door
(D)



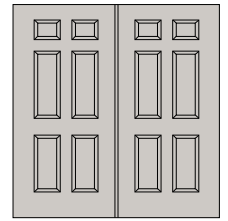
Door w/Sidelite
(D-S or S-D)



Door w/2-Sidelites
(S-D-S)

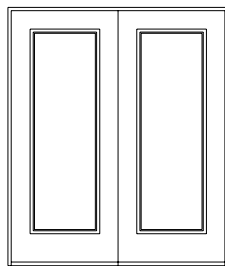


Double Door
(centre post remains when doors are open)
(DD)



Double Door w/Astragal
(unobstructed opening when doors are open)
(DDA)

Garden Door



■ Garden Doors

NOTE: Renovation doors are not available in fiberglass.

		R.O. Width			
		60 1/4"	67 3/4"	72 1/4"	75 3/4"
Height	2/8 - 2/8 Garden Doors		■		
	3/0 - 3/0 Garden Doors				■
	5068 Renovation Garden Doors	■			
	6068 Renovation Garden Doors			■	

Sizing Chart Legend R.O. Rough Opening

6/8 Rough Opening Chart (OSM Frame)	
2/8 D	34 1/4" x 82 1/8"
2/8 D-S or S-D	49 3/4" x 82 1/8"
2/8 S-D-S	65 1/4" x 82 1/8"
2/8 DD	67 3/4" x 82 1/8"
2/8 DDA	66 3/4" x 82 1/8"
3/0 D	38 1/4" x 82 1/8"
3/0 D-S or S-D	53 3/4" x 82 1/8"
3/0 S-D-S	69 1/4" x 82 1/8"
3/0 DD	75 3/4" x 82 1/8"
3/0 DDA	74 3/4" x 82 1/8"
3/6 D	44 1/4" x 82 1/8"
3/6 D-S or S-D	59 3/4" x 82 1/8"
3/6 S-D-S	75 1/4" x 82 1/8"
3/6 DD	87 3/4" x 82 1/8"
3/6 DDA	86 3/4" x 82 1/8"

8/0 Rough Opening Chart (OSM Frame)	
2/8 D	34 1/4" x 98 1/8"
2/8 D-S or S-D	49 3/4" x 98 1/8"
2/8 S-D-S	65 1/4" x 98 1/8"
2/8 DD	67 3/4" x 98 1/8"
2/8 DDA	66 3/4" x 98 1/8"
3/0 D	38 1/4" x 98 1/8"
3/0 D-S or S-D	53 3/4" x 98 1/8"
3/0 S-D-S	69 1/4" x 98 1/8"
3/0 DD	75 3/4" x 98 1/8"
3/0 DDA	74 3/4" x 98 1/8"
3/6 D	44 1/4" x 98 1/2"
3/6 D-S or S-D	59 3/4" x 98 1/2"
3/6 S-D-S	75 1/4" x 98 1/2"
3/6 DD	87 3/4" x 98 1/2"
3/6 DDA	86 3/4" x 98 1/2"

NOTE:

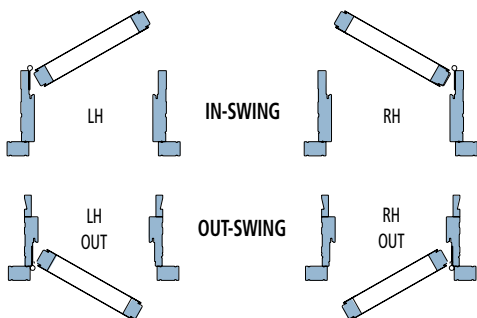
Door w/Sidelite combination is available as DS or SD.

Sidelite rough openings include a 1/2 (15 1/2") sidelite. For a 1/0 (13 1/2") sidelite, deduct 2" from the rough opening width per sidelite.

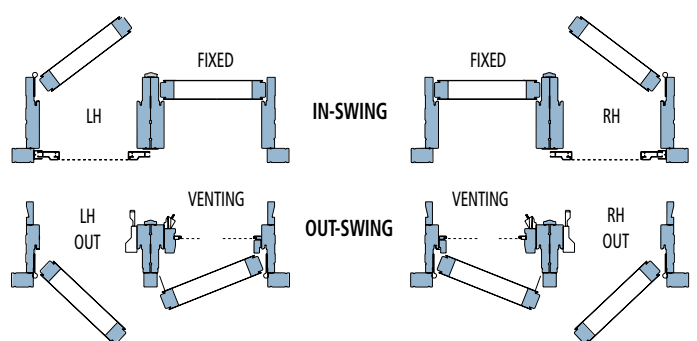
Rough opening height for a 6/8 door with a low profile sill is 81 3/8".

Rough opening height for a 8/0 door with a low profile sill is 98 1/8".

Entry Door Swings



Garden Door Swings



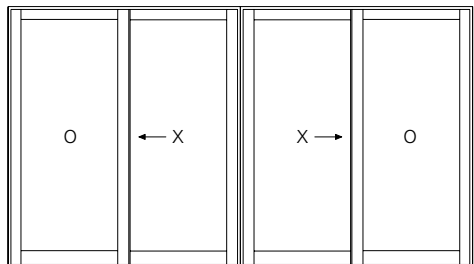
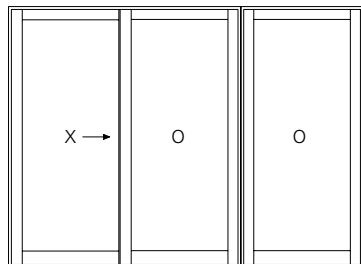
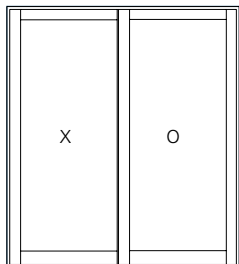
NOTE: Door swings are based on the location of the hinges, viewed from the outside.

SLIDING PATIO DOORS

		R.O. Width		
		60 1/8"	72 1/8"	107 1/2"
Height	5068 Sliding Patio Doors 80"	■ ■		
	6068 Sliding Patio Doors 80"		■ ■	
	9068 Sliding Patio Doors 80"			■ ■ ■

Sizing Chart Legend R.O. Rough Opening

Sliding Patio Door Sizing Chart Legend



- Sliding Patio Doors (XO or OX)
- ■ Sliding Patio Doors w/Sidelite (XOO or OOX)

Sliding Bi-Parting Patio Doors (OXXO)
(various sizes available)

NOTE: X = Operating, O = Stationary



WINDOW PLANNING WORKSHEET

Before making a final decision on the windows and doors you choose for your home, there are many things to consider. Window styles. Colours. Accessory options. Varying types of doors and glass insert options available. We suggest you take a few moments and outline your preferences before consulting with your builder or home renovator.

For additional product information, please visit our website at www.jeld-wen.ca.

Questions to consider:

What is your home's architectural style?
(i.e. traditional, contemporary, old world)

Which elements in your home should your windows or doors match? (i.e. kitchen cabinets, millwork, moulding)

Do you have specific lifestyle or landscaping considerations (i.e. focus on recreational backyard, strong curb appeal, lot elevation and orientation)

NOTES:

Preferred window styles:

- | | | |
|--|------------------------------------|--------------------------------------|
| <input type="checkbox"/> Casement | <input type="checkbox"/> Specialty | <input type="checkbox"/> Single-Hung |
| <input type="checkbox"/> Awning | <input type="checkbox"/> Bay | <input type="checkbox"/> Slider |
| <input type="checkbox"/> Fixed / Picture | <input type="checkbox"/> Bow | |

Choose the type of installation:

- New Construction
- Renovation

What are your climate considerations?

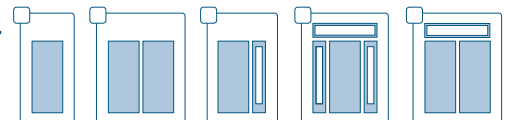
What options are important to you?

- | | |
|--|--|
| <input type="checkbox"/> Colour Options | <input type="checkbox"/> Obscure Glass |
| <input type="checkbox"/> Simulated Divided Lites | <input type="checkbox"/> Sandblast |
| <input type="checkbox"/> Grilles Between Glass | <input type="checkbox"/> Decorative Door Lites |
| <input type="checkbox"/> Brickmould | <input type="checkbox"/> Tripane, low emissivity glass |
| <input type="checkbox"/> Jamb Extensions | |

Choose a door style:

- Entry
- Sliding Patio
- Double
- Garden

Choose a door configuration:



Preferred Door Material?

- Steel
- Fibreglass
- Raised Panel



The JELD-WEN® website is your ultimate resource for learning about our reliable windows and doors. It has all the product information and design advice you need. Visit us at www.jeld-wen.ca today.

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WINDOWS & DOORS

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