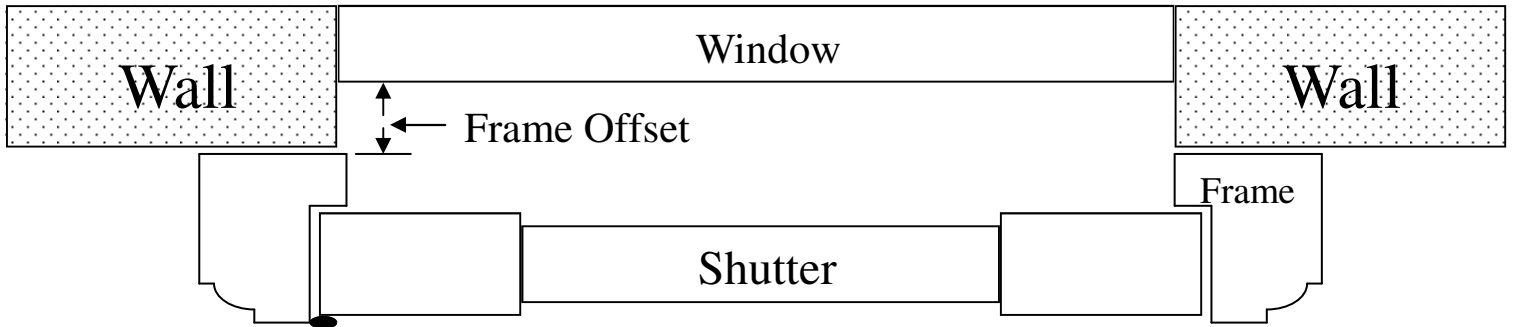


The frame offset is the distance from the back edge of frame to the closet obstruction a louver could strike when rotated. It is most common that this is the window.

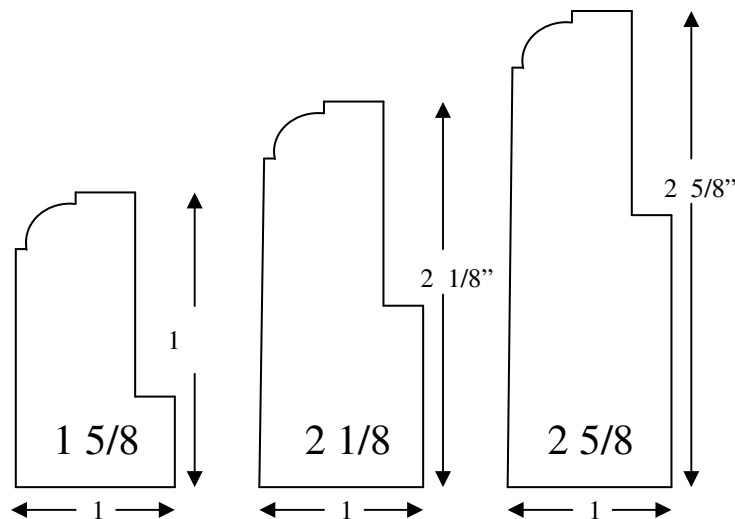


2 1/2" Louver L Frame Guide				
Offset	0 to 3/8"	1/2" to 7/8"	1" to 1 3/8"	1 1/2" or Larger
Select Frame	2 1/8" L Frame	1 5/8" L Frame	1 5/8" L Frame	1 5/8" L Frame

3 1/2" Louver L Frame Guide				
Offset	0 to 3/8"	1/2" to 7/8"	1" to 1 3/8"	1 1/2" or Larger
Select Frame	2 5/8" L Frame	2 1/8" L Frame	1 5/8" L Frame	1 5/8" L Frame

4 1/2" Louver L Frame Guide				
Offset	0 to 3/8"	1/2" to 7/8"	1" to 1 3/8"	1 1/2" or Larger
Select Frame	3 1/8" L Frame	2 5/8" L Frame	2 1/8" L Frame	1 5/8" L Frame

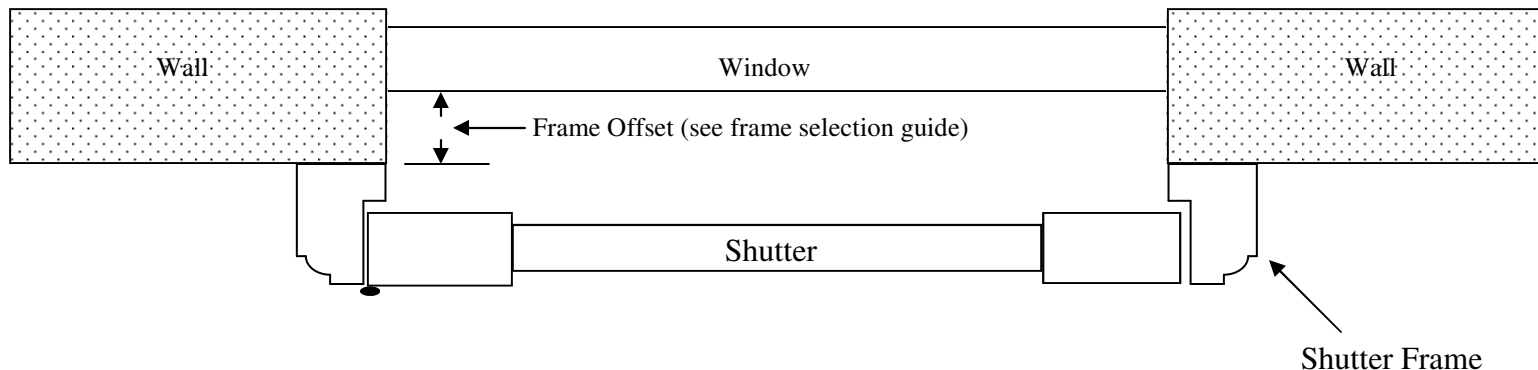
Please refer back to this to select proper frame size when ordering



Sheetrock Openings

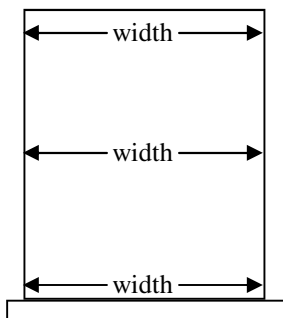
We recommend an outside mount 4 sided L frame for windows in sheetrock opening with no trim. This is recommended for window with or without sill. You can install these openings with an inside mount but this usually leaves uneven gaps around unit that will require caulking. The inside mount may also interfere with tilt in windows and screen access.

Outside Mount on Sheetrock

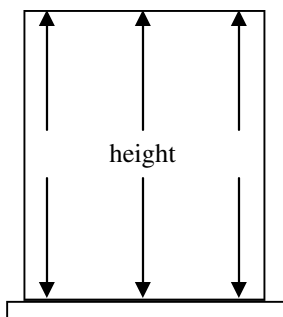


Recommended

with window sill outside mount L frame

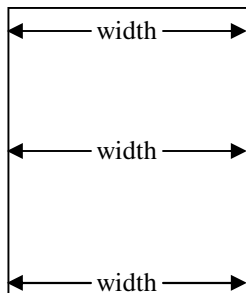


For your order width measure across inside sheetrock edges and **add 2** inches. Measure across bottom, middle and top; use the smallest of the three.

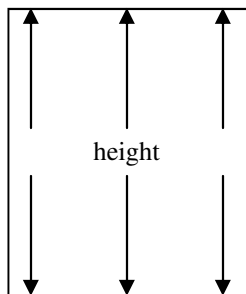


For your order height measure from sill to top sheetrock edge and **add 1** inch. Measure left, center and right; use the smallest of the three.

with out window sill outside mount L frame



For your order width measure across inside sheetrock edges and **add 2** inches. Measure across bottom, middle and top; use the smallest of the three.

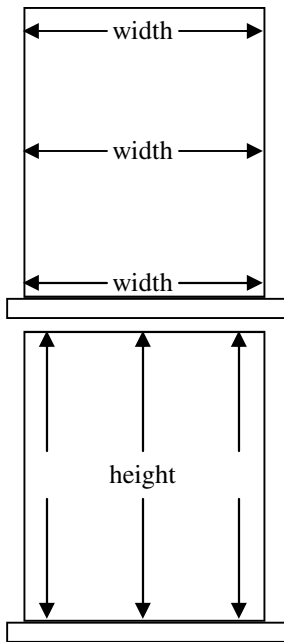
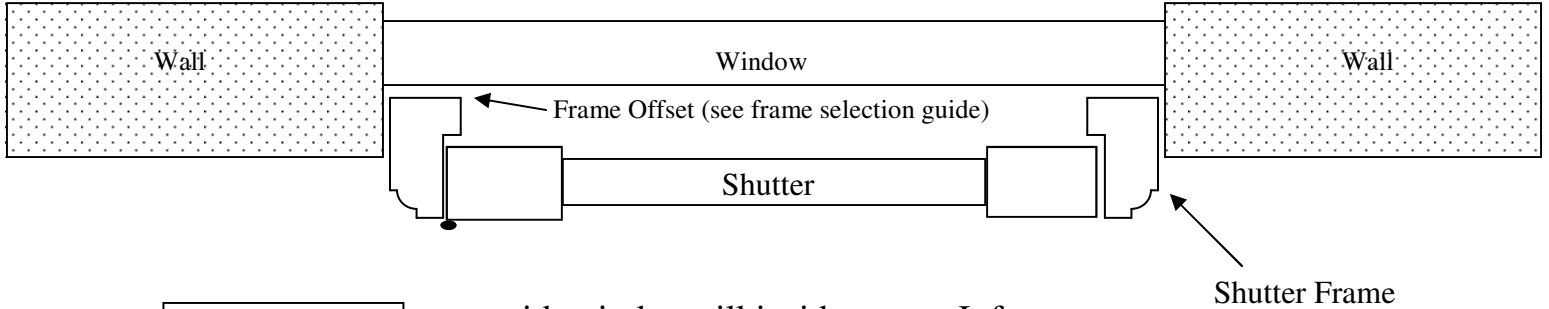


For your order height measure from bottom edge to top edge of sheetrock and **add 2** inches. Measure left, center and right; use the smallest of the three.

Inside Mount on Sheetrock

Not Recommended

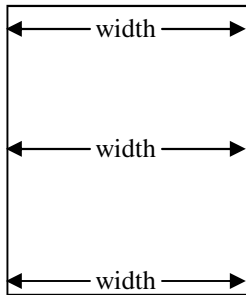
You can mount inside sheetrock but this is not recommended for several reasons. The sheetrock opening often varies in width and height creating large gaps that will require caulking. In many cases there is a slope across the top which will be highlighted by an inside mount. The inside mount will also obstruct tilt in cleaning and screen access on many windows.



with window sill inside mount L frame

For your order width measure across inside sheetrock edges. Measure across bottom, middle and top; use the smallest of the three. Measure to 1/8 inch

For your order height measure from sill to top sheetrock inside edge. Measure left, center and right; use the smallest of the three. Measure to 1/8 inch

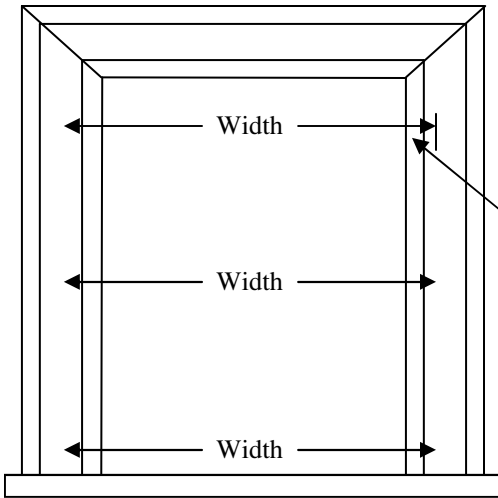
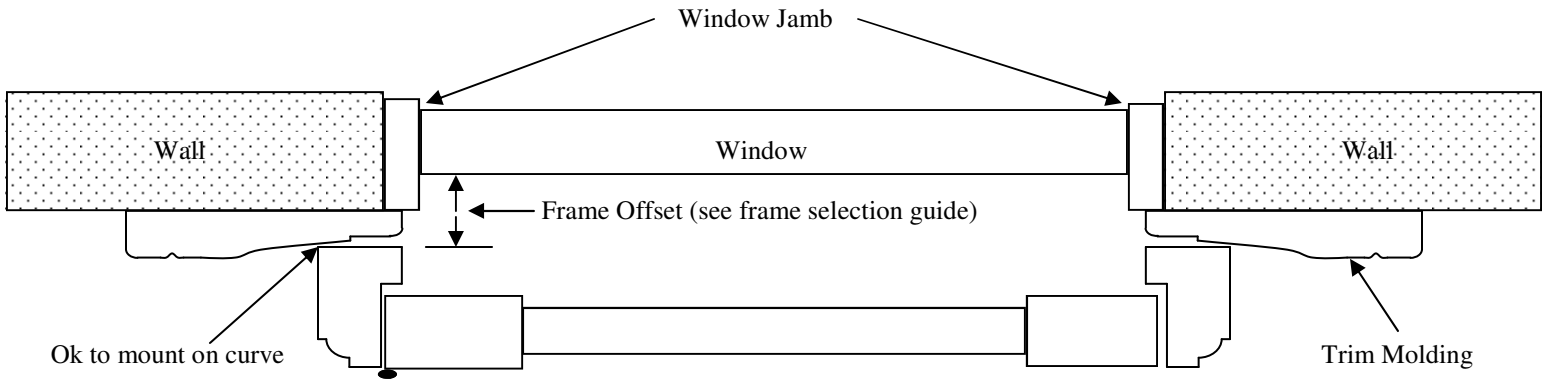


with out window sill inside mount L frame

For your order width measure across inside sheetrock edges. Measure across bottom, middle and top; use the smallest of the three. Measure to 1/8 inch

For your order height measure from bottom inside edge to top inside edge of sheetrock. Measure left, center and right; use the smallest of the three. Measure to 1/8 inch

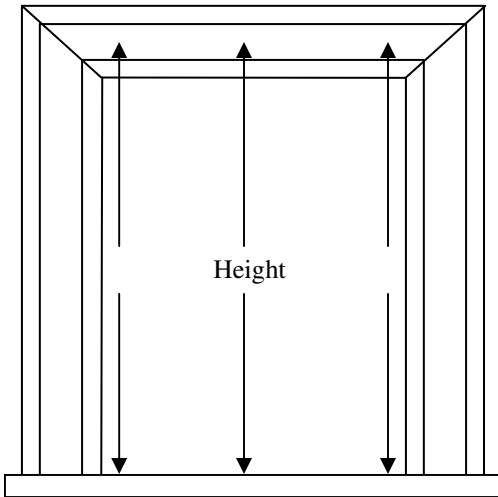
Outside Mount on Trim Molding With Sill



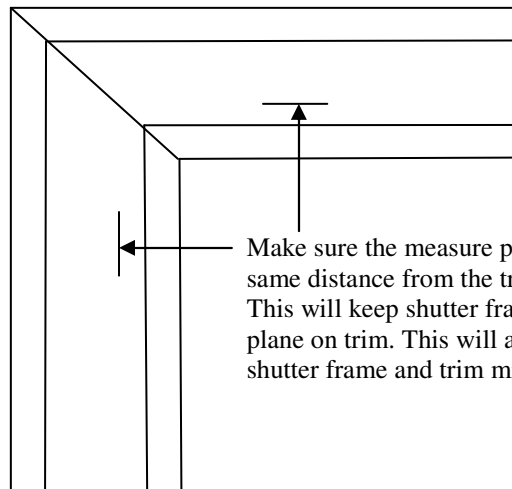
This application is recommended for windows that are trimmed out and you still want to tilt windows in. This is also the easiest method for installation.

1/2 inch to 1 inch past trim edge is recommended

It is recommended that your measurement extends 1/2" to 1" past the trim molding edge if possible. You will need to determine the best point base on trim molding profile. Measure bottom, middle and top. Use largest measurement.



For your height follow the same guidelines. Measure left, center and right. Use largest measurement. See diagram below for measure point.



2 1/2" Louver L Frame Guide

Offset	0 to 3/8"	1/2" to 7/8"	1" to 1 3/8"	1 1/2" or Larger
Select Frame	2 1/8" L Frame	1 5/8" L Frame	1 5/8" L Frame	1 5/8" L Frame

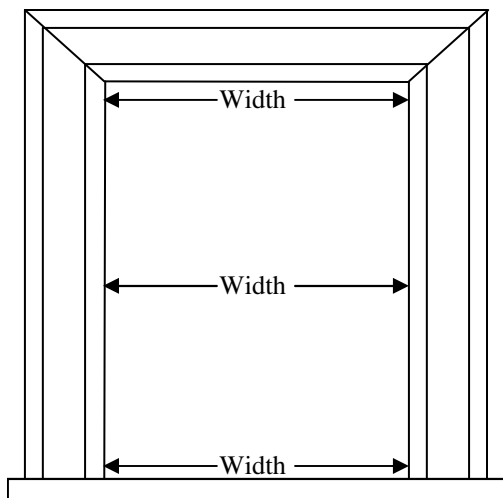
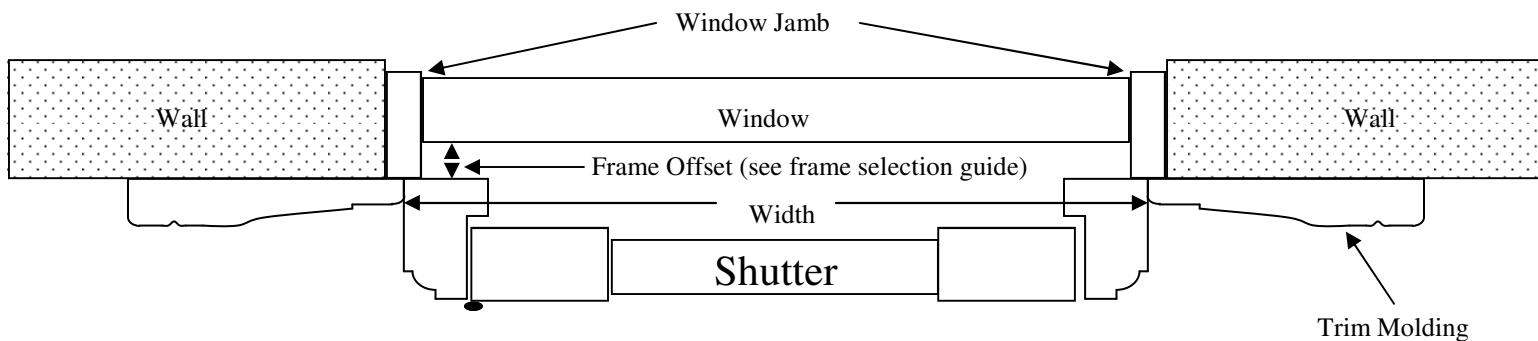
3 1/2" Louver L Frame Guide

Offset	0 to 3/8"	1/2" to 7/8"	1" to 1 3/8"	1 1/2" or Larger
Select Frame	2 5/8" L Frame	2 1/8" L Frame	1 5/8" L Frame	1 5/8" L Frame

4 1/2" Louver L Frame Guide

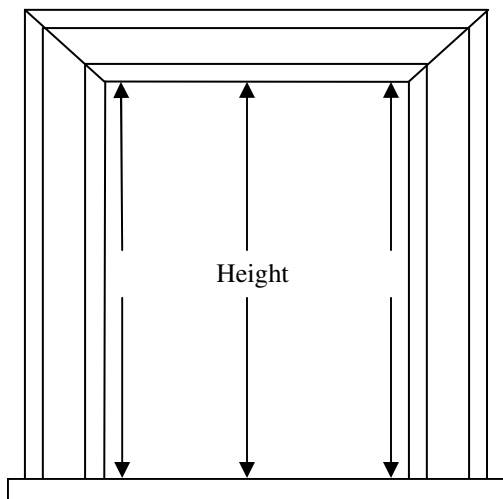
Offset	0 to 3/8"	1/2" to 7/8"	1" to 1 3/8"	1 1/2" or Larger
Select Frame	3 1/8" L Frame	2 5/8" L Frame	2 1/8" L Frame	1 5/8" L Frame

Inside Trim Mount on Jamb Reveal



This application is recommended for windows that are trimmed and you do not want to cover trim with shutter frame. We recommend this is ordered with a 4 sided L frame.

For your width measure across from left inside edge to right inside edge on bottom, middle and top. Use the smallest of the three measurements. Measure to the 1/8 inch. Round down if it falls on a 1/16". Order as inside mount. Actual width will be 1/8" less then order width.



For your height measure from sill inside edge of top trim molding. Measure the left, center and right; use the smallest of the three measurements. Measure to the 1/8 inch. Round down if it falls on a 1/16". Order as inside mount. Actual height will be 1/8" less then order width.

2 1/2" Louver L Frame Guide

Offset	0 to 3/8"	1/2" to 7/8"	1" to 1 3/8"	1 1/2" or Larger
Select Frame	2 1/8" L Frame	1 5/8" L Frame	1 5/8" L Frame	1 5/8" L Frame

3 1/2" Louver L Frame Guide

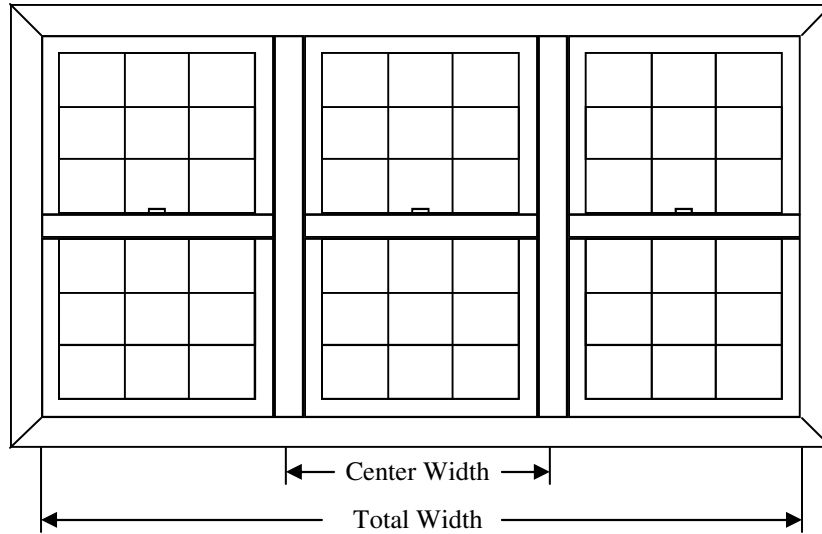
Offset	0 to 3/8"	1/2" to 7/8"	1" to 1 3/8"	1 1/2" or Larger
Select Frame	2 5/8" L Frame	2 1/8" L Frame	1 5/8" L Frame	1 5/8" L Frame

4 1/2" Louver L Frame Guide

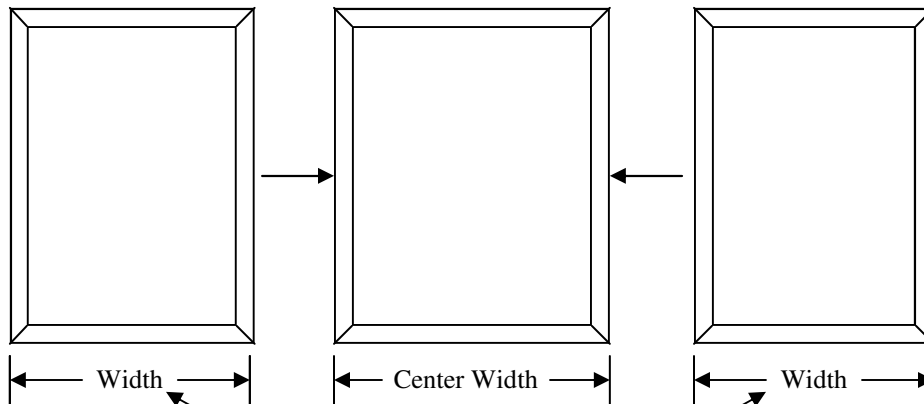
Offset	0 to 3/8"	1/2" to 7/8"	1" to 1 3/8"	1 1/2" or Larger
Select Frame	3 1/8" L Frame	2 5/8" L Frame	2 1/8" L Frame	1 5/8" L Frame

Multiple Side by Side Windows

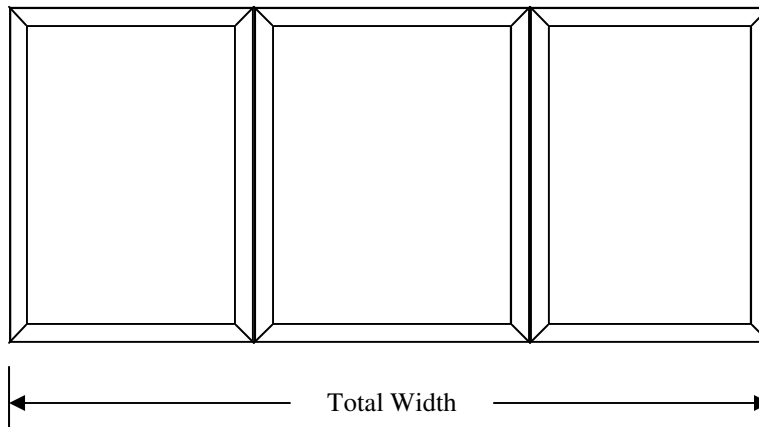
There are a few ways to handle multiple windows side by side. A common design uses “T-posts” which we offer but do not recommend. We have found that butting separate units together is a much better design and is easier to install. There are also many times when each window is treated separately and there is a space between the shutter units. Below is an example of a triple window; this logic applies to 4 or more window openings. Any window that is not left or right end needs center width measurement.



Shutter Frames

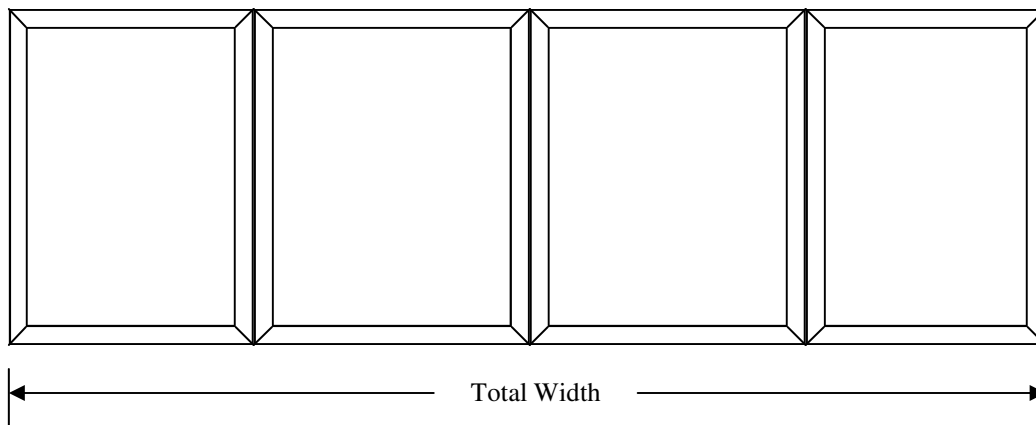
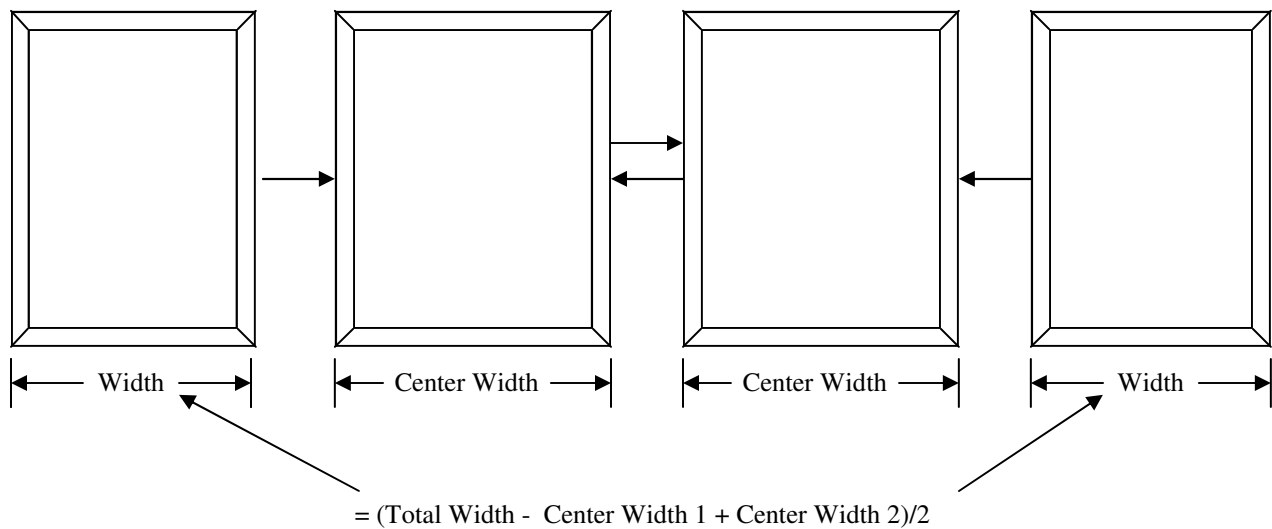
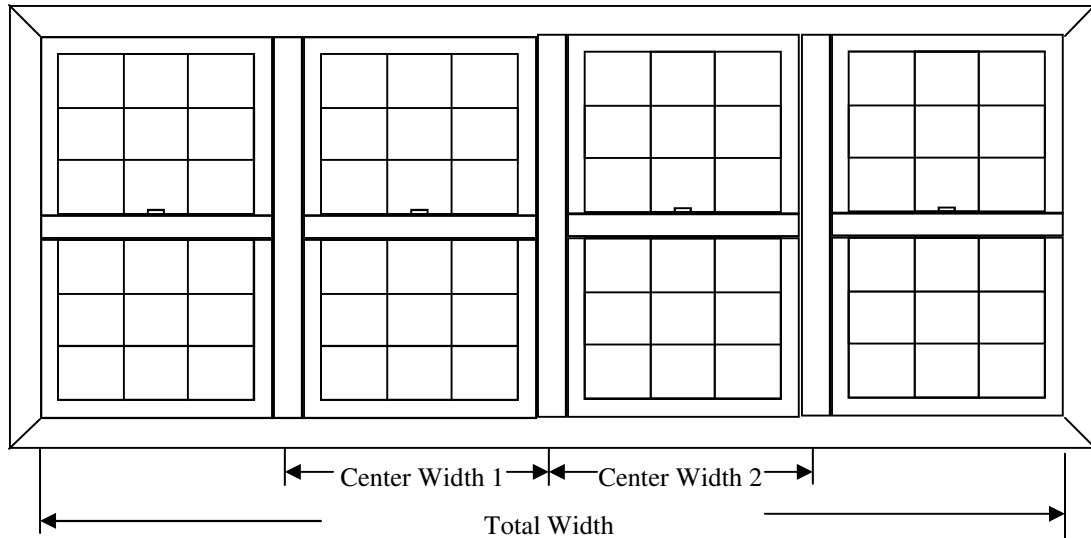


$$= (\text{Total Width} - \text{Center Width}) / 2$$



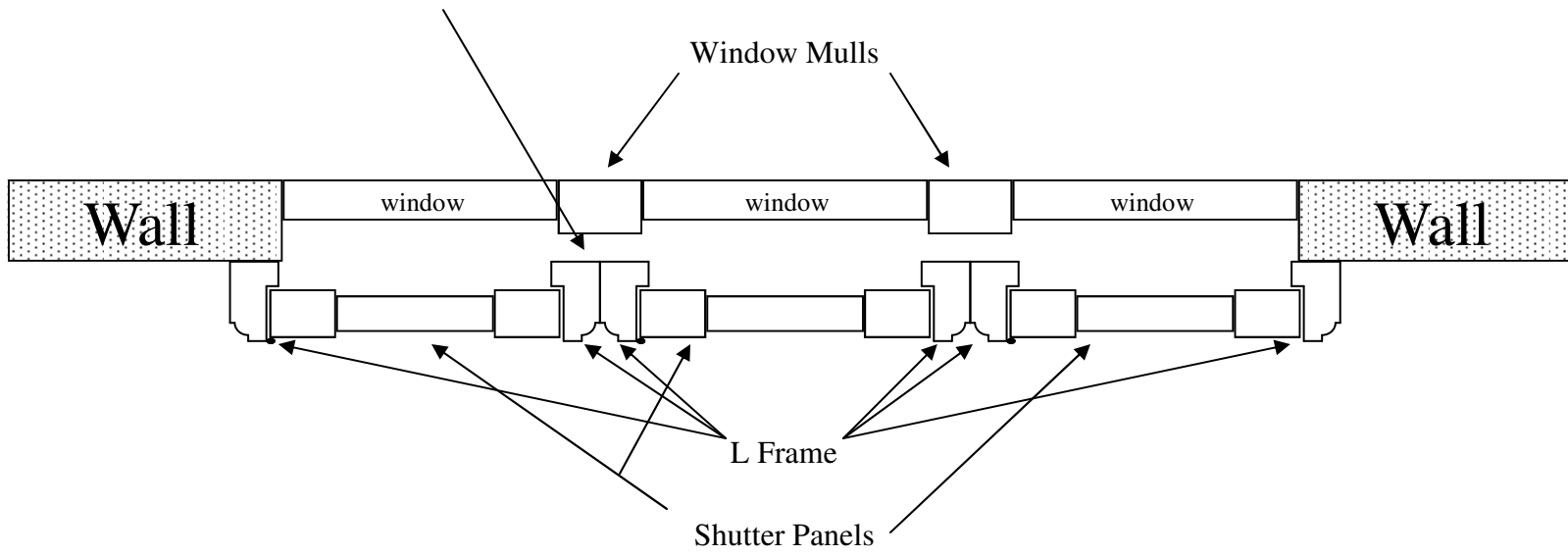
Please note if units are ordered as inside mount each unit will be 1/8” smaller in width and height. In this example if units are ordered as inside mount actual total width will be 3/8” smaller then order widths when added together (1/8” times 3 units). It is recommended that 1/8” is added back to all center width units when ordered as inside mount. Do your calculation for outside end units prior to this add on.

4 windows side by side

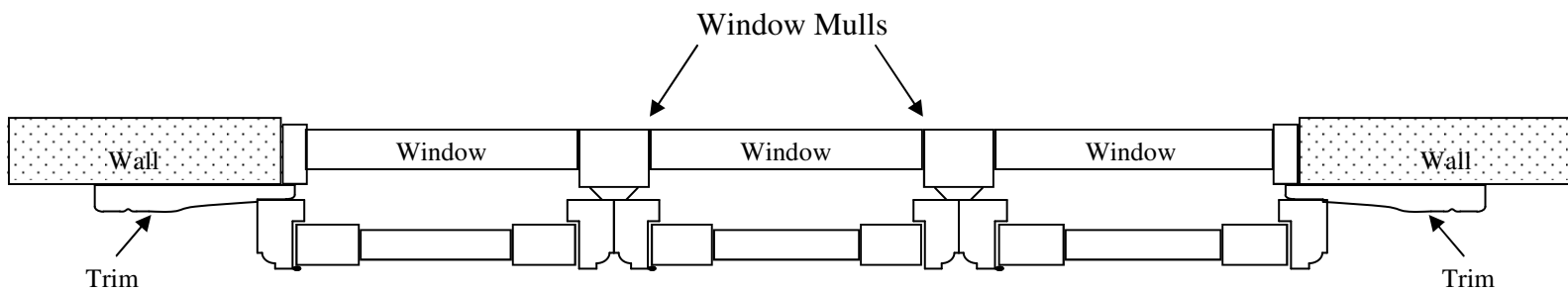


Please note if units are ordered as inside mount each unit will be 1/8" smaller in width and height. In this example if units are ordered as inside mount actual total width will be 1/2" smaller then order widths when added together (1/8" times 4 units). It is recommended that 1/8" is added back to all center width units when ordered as inside mount. Do your calculation for outside end units prior to this add on.

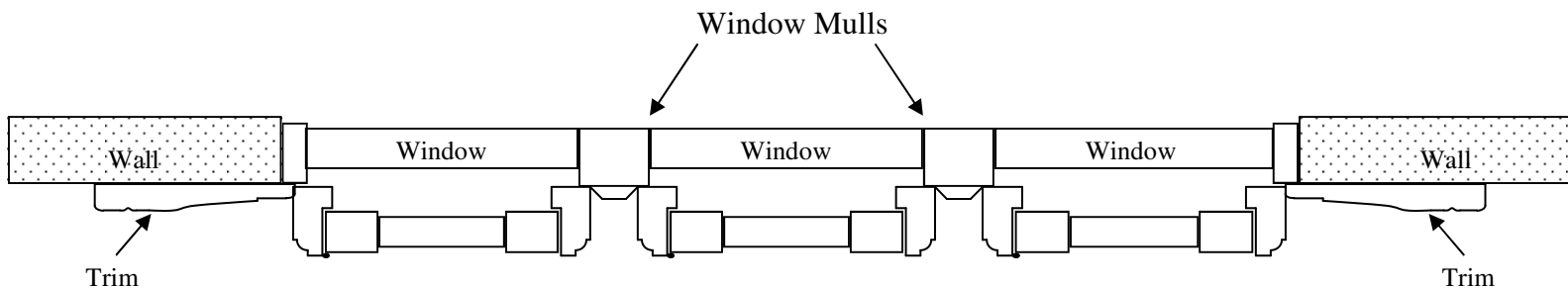
If window mulls are not on the same plane as wall or mounting surface the 2 L frame are screwed together. The units are attached to the mounting surface at the top and bottom and there will be a space between the mulls and back of L frame.



Example of outside mount on trim molding



Example on inside mount on trim reveal (treat as 3 separate units)

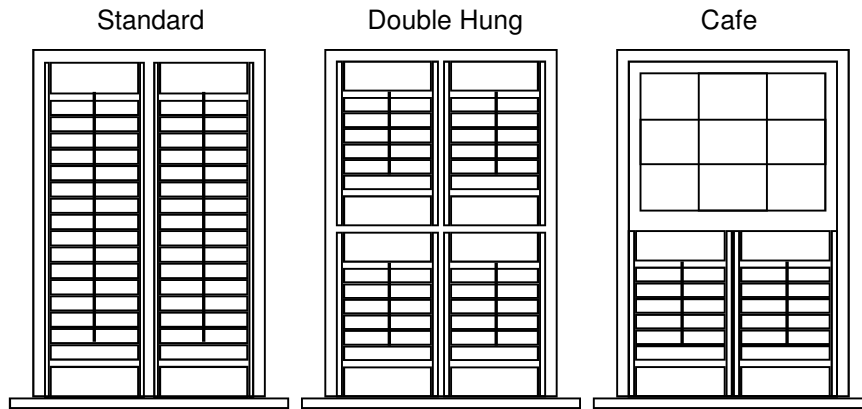


Shutter Type

This describes how the height of the window is covered. This does not refer to how many panels are in the unit.

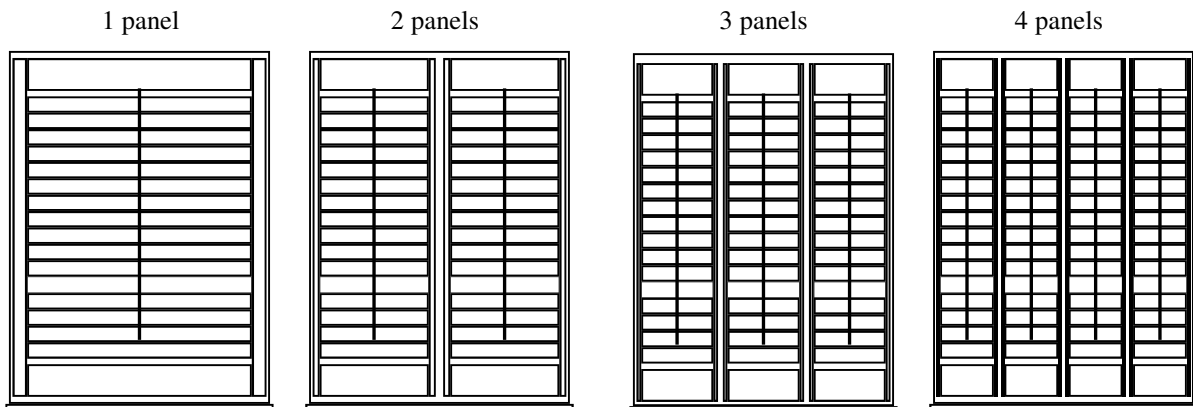
Standard will go all the way from the sill or bottom of shutter frame to the top of the window.

Double Hung also covers the entire window but the top section is hinge separate from the bottom. This allows you to swing the top panels open while leaving the bottom closed. This type is more challenging to install and becomes bulky in the center where the top and bottom sections meet. This is also a more expensive design.



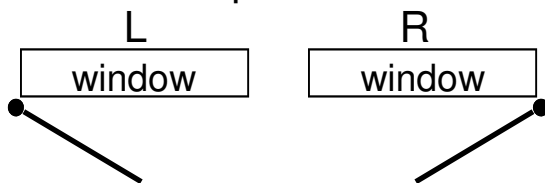
Number of Panels Across Unit

This is the number of panels from left to right across the unit. When ordering a double hung shutter only count bottom panels across.

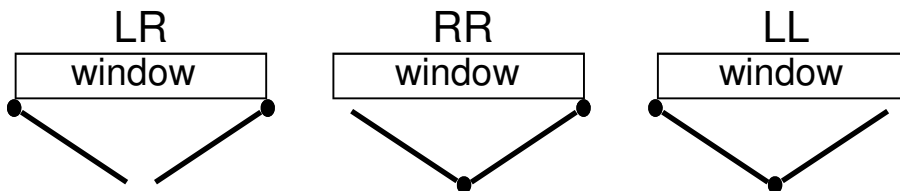


Panel Configuration for Hinging

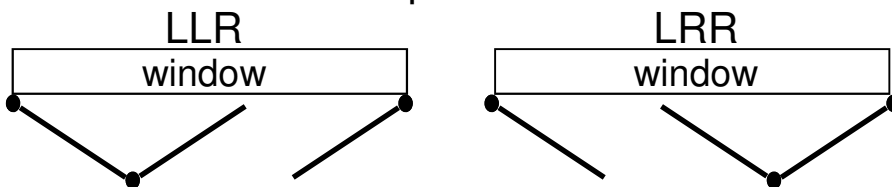
1 panel



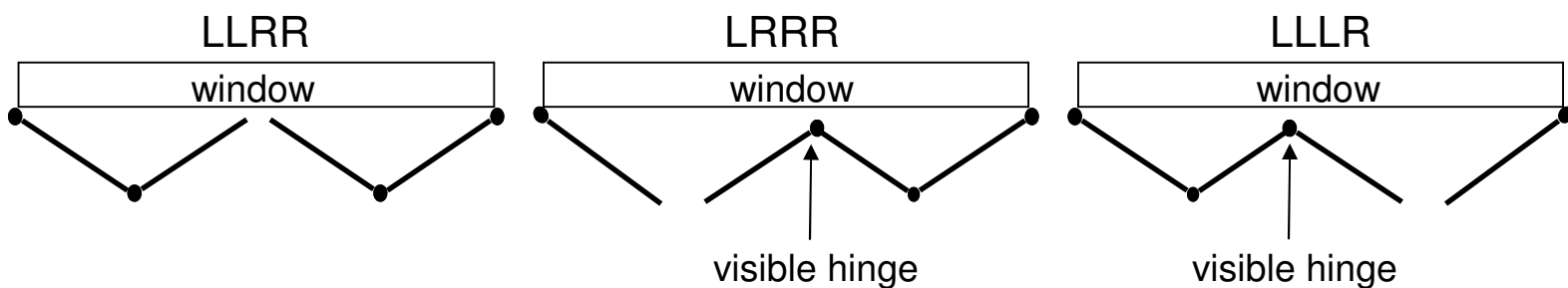
2 panels



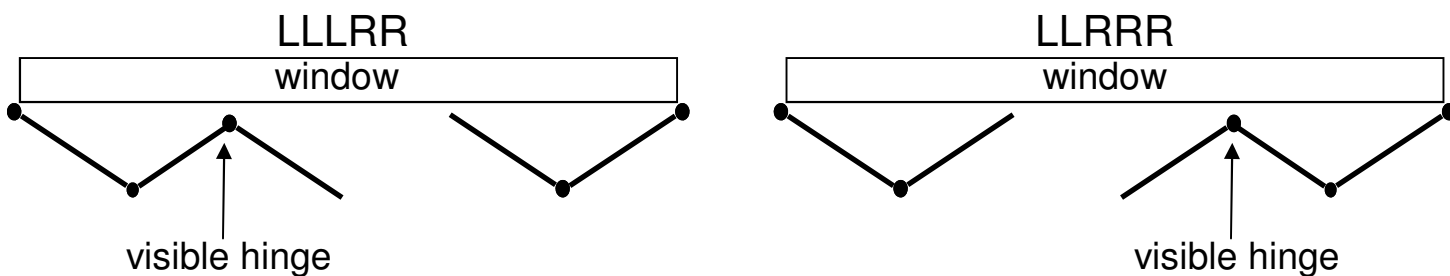
3 panels



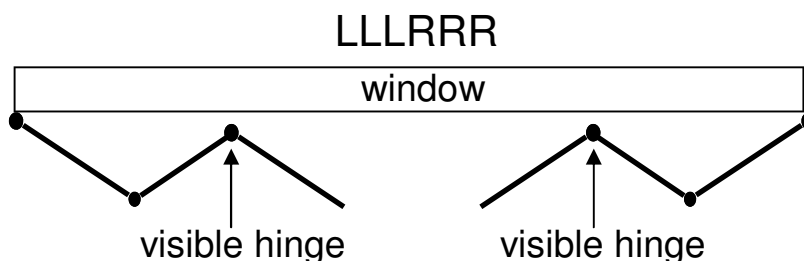
4 panels



5 panels

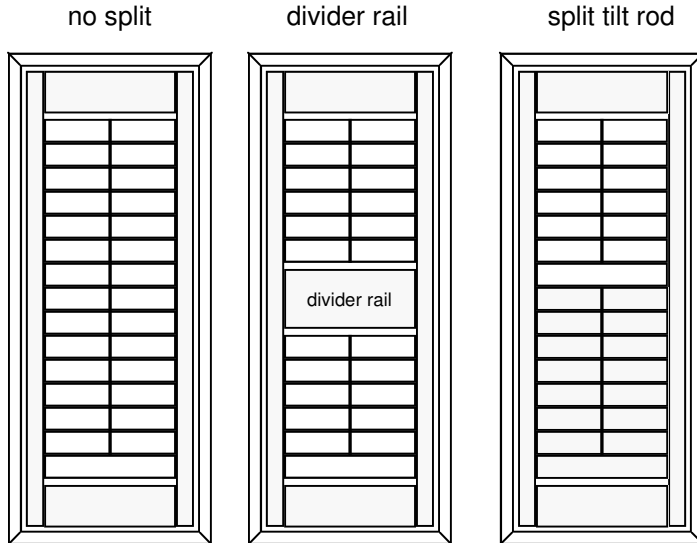


6 panels



Panel Split Options

The divider rail and split tilt rod allow the top and bottom louver sections to operate independent from each other. The measurement you provide and the actual location for these split locations may not be exact. This is due to the incremental location of these points.



Measuring for Splits

If the unit has a 4 sided frame measure from bottom of frame.
If the unit has a three sided frame measure from the bottom of the panel.

