

NORMAN[®]
SHUTTERS. BLINDS. SHADES.

Woodlore[®] Shutters

Program Reference Guide

2021

2021 Shutter Revision log

Effective Date	Topic	Section	Note
2021/01/13	Quarter Round	e	Change the name of Quarter Round Scribe Trim to Quarter Round.
2021/01/22	M shape bottom track	j1	Add the drawing of M shape bottom track with dimensions.
2021/02/20	81mm Bottom Pivot L Bracket	j1	Update the drawing of 81mm Bottom Pivot L Bracket.
2021/03/01	Increase Transparent and Black Colors for Hoffman Keys	i	Increase transparent and black colors for hoffman keys, add hoffman key colors coordination chart.
2021/03/24	Double hung	k	Double hung Shutters: add content For Double Hung shutter, whenever an upper or lower panel is larger than 78", we will add one more extra hinge for it, we will also attempt to create larger top/bottom rails for additional strength by reducing the number of louvers by one as long as the rail sizes remain within spec.
2021/03/24	General Product Specifications; Divider Rails;	f,h	f :Add content: Divider rail is required for panel heights over 74". Standard divider rail size is 3". Please note the standard top/bottom rail size should be within 2.75"~6.5". For regular shutters, the step for the rail size is 1/8". h Divider Rails: change Standard width: 3" to Standard size: 3".

Woodlore® Shutters

Table of Contents	Page
a. Features & Benefits	WL a-1
b. Colors & Louver Sizes/Louver Clearance	WL b-1
c. Stiles	WL c-1
d. Panel Configurations	WL d-1
e. Frame Styles	WL e-1
f. General Product Specifications	WL f-1
g. Tilt Rods	WL g-1
h. Divider Rails	WL h-1
i. Hardware	WL i-1
j. Track Shutters	WL j-1
k. Special Options	WL k-1
l. Pricing	WL l-1

Woodlore® Shutters

Features and Benefits

Built around the concept of modern convenience, Woodlore is made of composite wood harvested from well-managed forests and finished with a polypropylene coating that prevents moisture absorption and allows for easy stain removal. It resists cupping, warping and twisting.

Reinforced engineered stiles – Stile core durability reinforced with multiple layers of wood bonded together. The result is a robust support system for shutter panels.

UV inhibitor protects shutters and home décor from UV rays, prevents color fading and sun damage.

Woodlore's classic solid colors harmonize brilliantly with any décor. The beauty, durability and quality finish of Woodlore shutters is reasonably priced.

Multiple stile options are available in various sizes to accommodate different window configurations. Astragal or Rabbet stiles provide a natural light block between panels.

A wide range of frames with inserts, which keep installation screws out of sight for a clean and decorative look, match any style and preference.

Personalize shutters with special options. Choose from fixed louvers, hidden or offset tilt rods, café styles, bay and corner window shutters, track systems and many more.

Quick and easy on-site assembly and installation with the pre-installed magnets and hinges, pre-mitered frames and slotted keyholes.

A guarantee of Norman Shutters exemplary quality with a lifetime limited warranty on materials and workmanship.

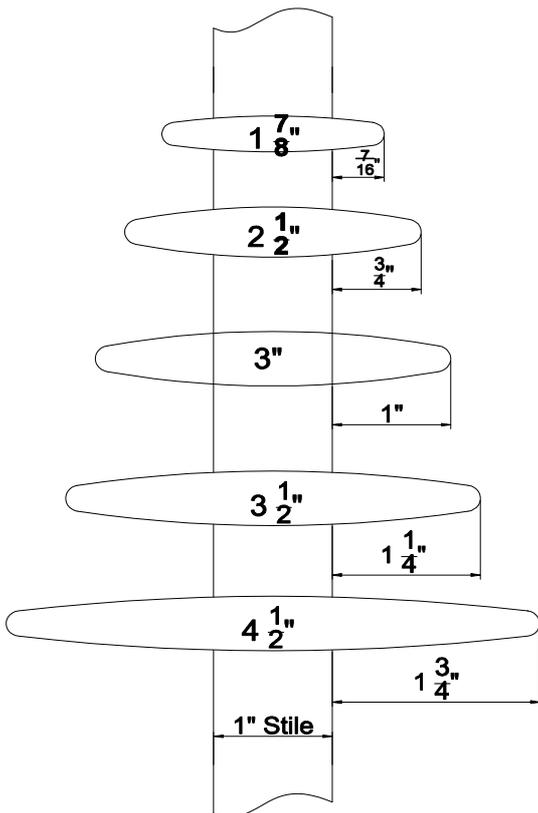
Colors & Louver Sizes/Louver Clearance

Solid Colors

Color ID	Color Name
001	Pure White
003	Silk White
006	Pearl
012	Crisp Linen
019	String
032	Sea Mist
049	Stone Gray
051	Brown Gray
080	Taupe Gray

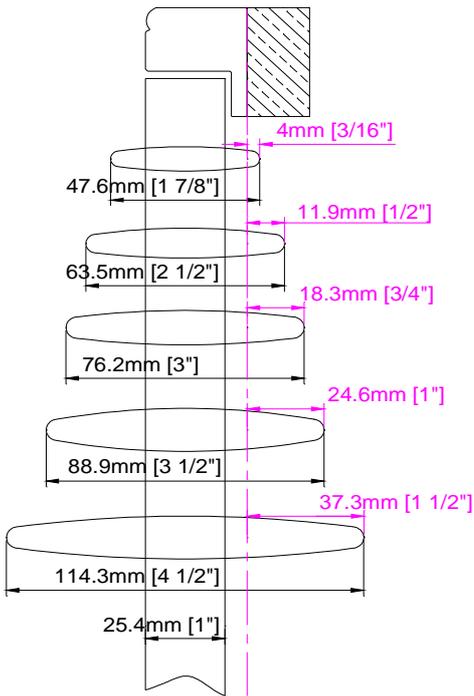
Louvers	
Elliptical	1 7/8" [*] 2 1/2" 3" 3 1/2" 4 1/2"

Louver Depth Clearance

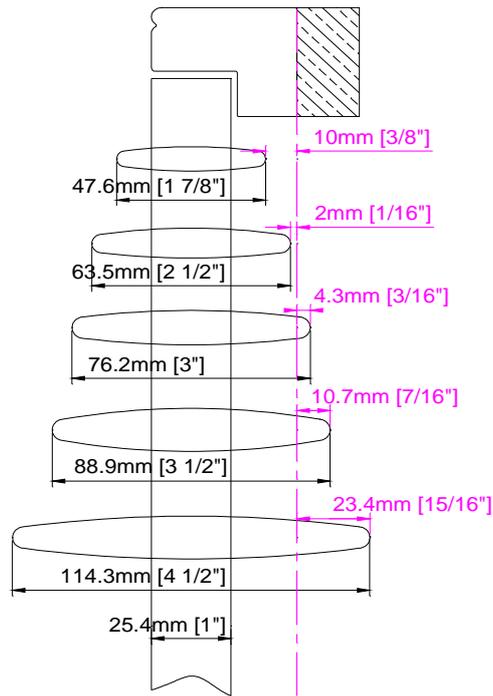


*Some surcharges apply

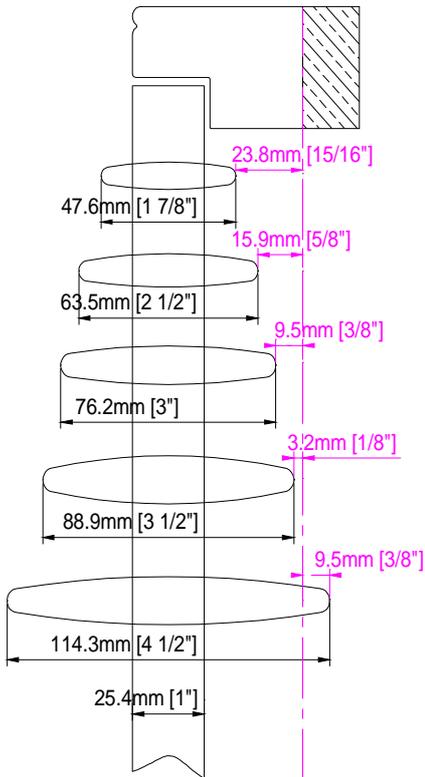
Louver Depth Clearance For Specific Frames



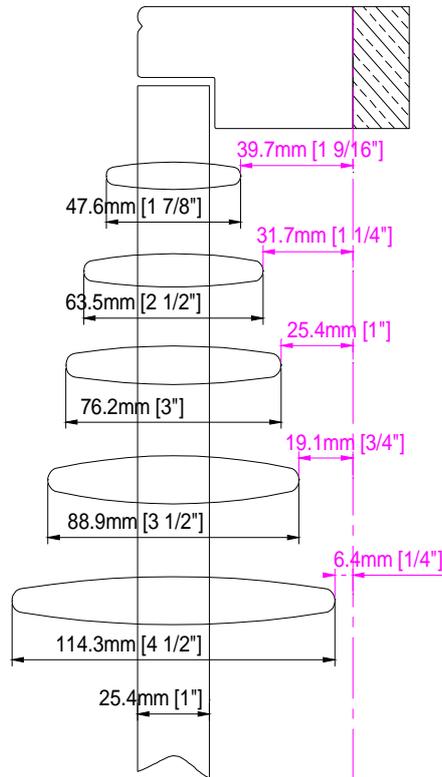
L Frame with 1/4" light block



L Frame

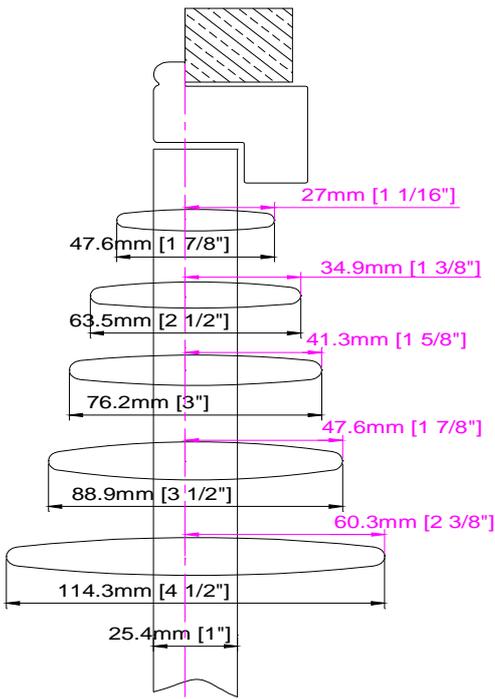


L Frame with 1/2" Buildout

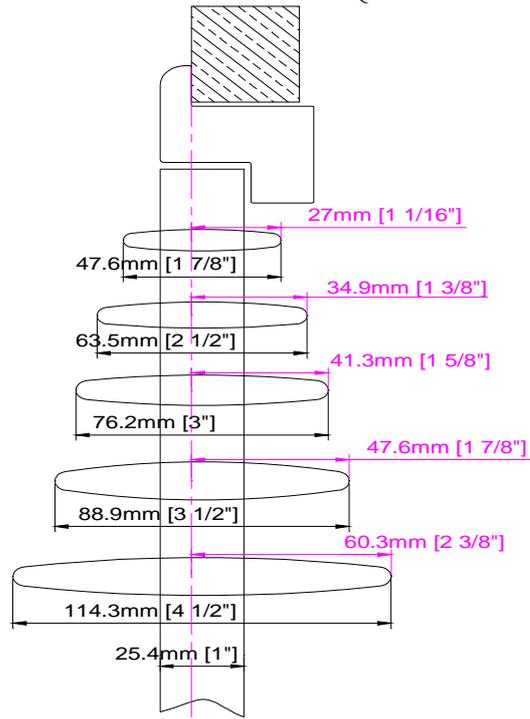


L Frame with 1" Buildout

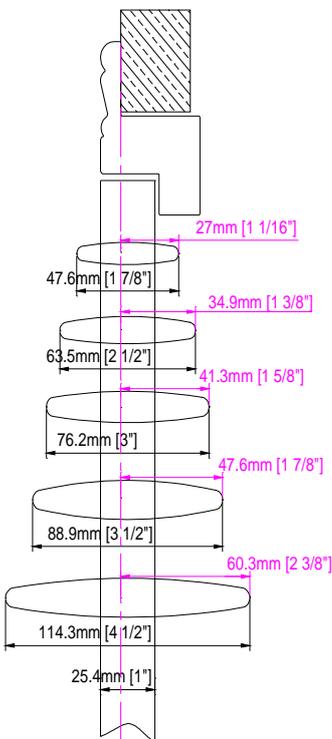
Woodlore® Shutters



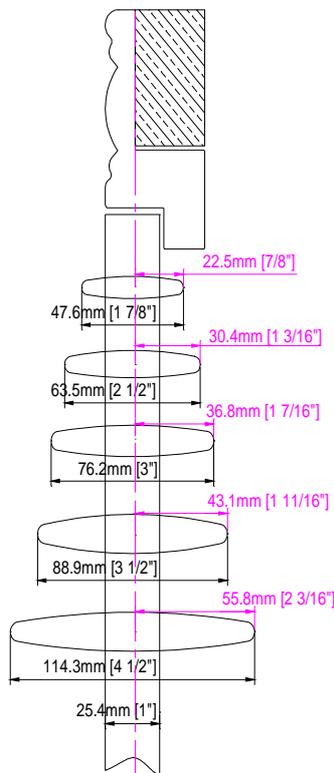
1 1/4" Beaded Z Frame



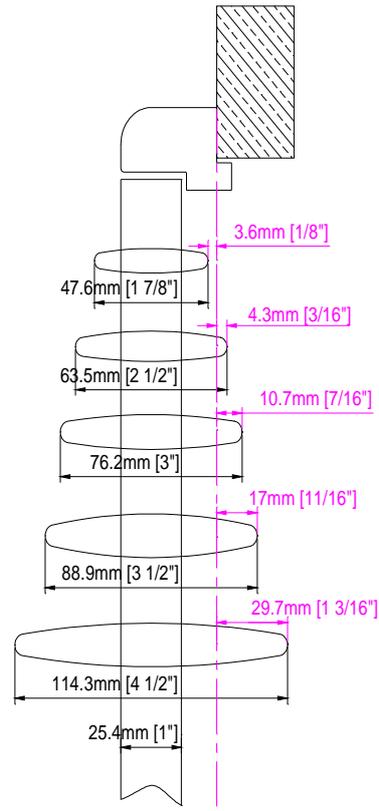
1 1/2" Bullnose Z Frame



2" Bel Air Z Frame



3" Crown Z Frame

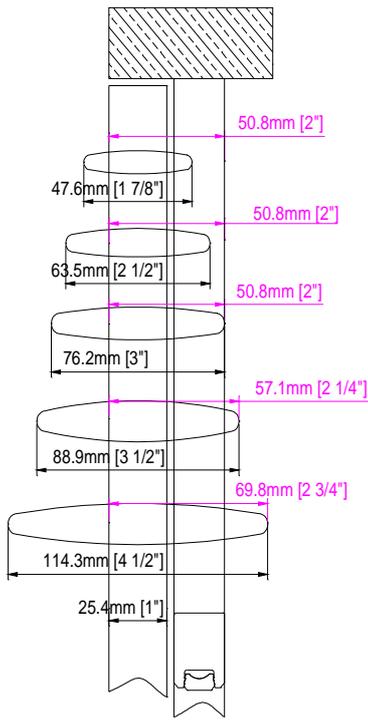


Tilt Out Z Frame

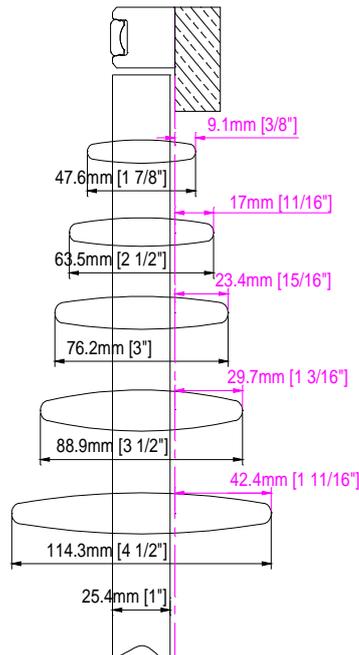
*Some surcharges apply

WL b-3 / 4

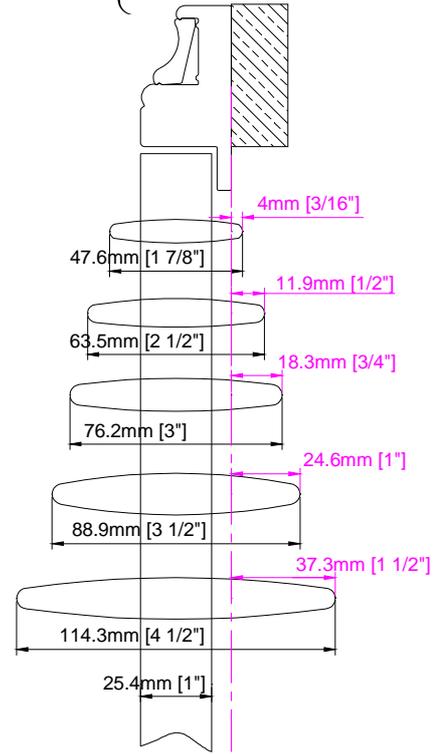
Woodlore® Shutters



Hang Strip (Behind the panel)



Hang Strip (Beside the panel)



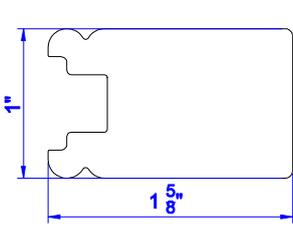
Deco Frame

*Some surcharges apply

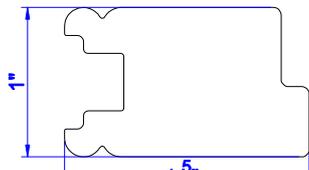
WL b-4 / 4

Stiles

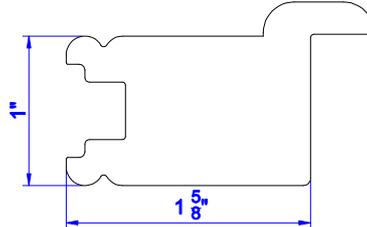
Default: Beaded stile



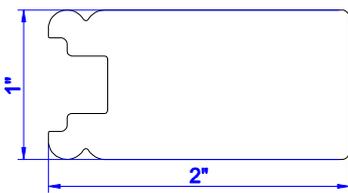
1 5/8" Butt Stile



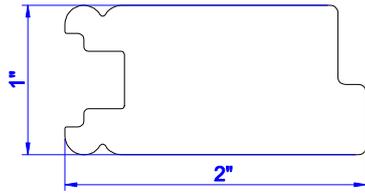
1 5/8" Rabbet Stile



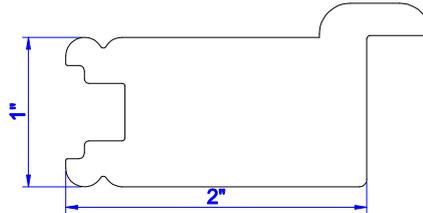
1 5/8" Astragal Stile



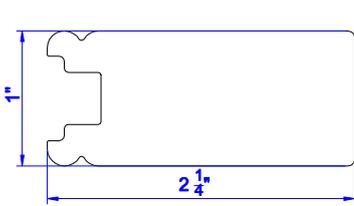
2" Butt Stile



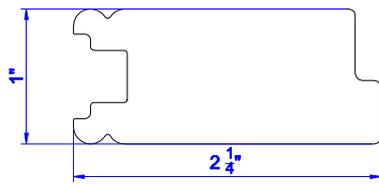
2" Rabbet Stile



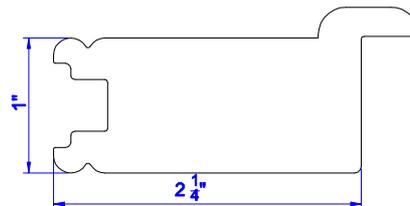
2" Astragal Stile



2 1/4" Butt Stile



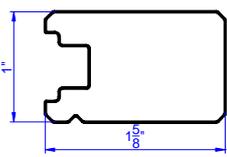
2 1/4" Rabbet Stile



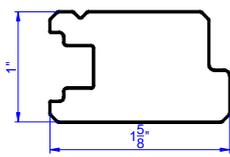
2 1/4" Astragal Stile

Optional: Chamfer stile

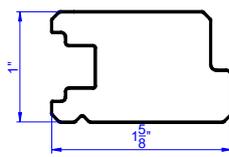
1 5/8" Stiles:



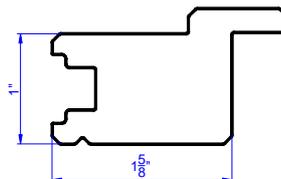
1 5/8" Butt Stile



1 5/8" Rabbet Stile-R

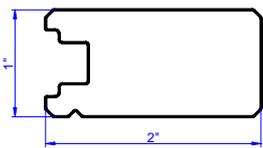


1 5/8" Rabbet Stile-L

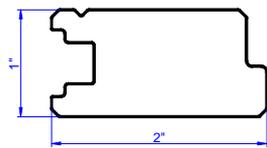


1 5/8" Astragal Stile

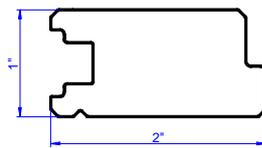
2" Stiles:



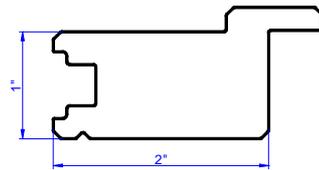
2" Butt Stile



2" Rabbet Stile-R

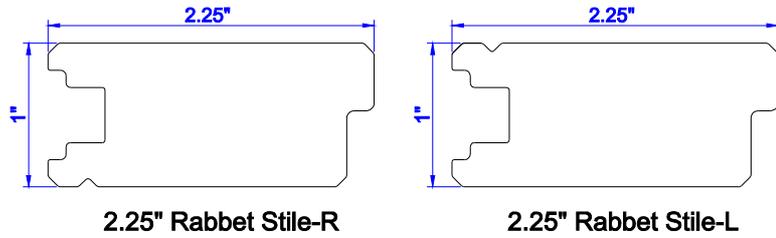
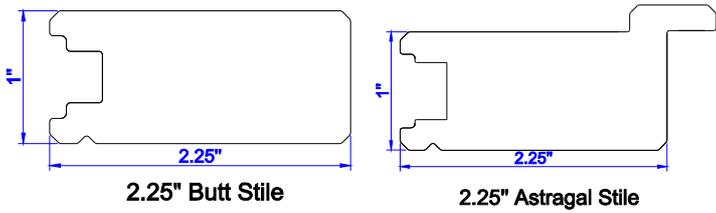


2" Rabbet Stile-L



2" Astragal Stile

2.25" Stile



Stile between panel closure

Single panel

I) Panel width < 9"

Rabbeted stile (Deco frame, L frame, Z frame and Hang strip beside panel)

- 1 5/8"
- 2" (default)

Butt stile only (Hang strip behind panel)

- 1 5/8" (Optional for panel width ≤ 12")
- 2" (default)



II) Panel width ≥ 9"

Butt stile only

- 1 5/8" (Optional for panel width ≤ 12")
- 2" (default)

2 panels or more

Rabbet stile

- 1 5/8" (Optional for panel width ≤ 12")
- 2" (default)

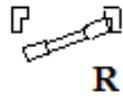
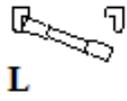
Astragal stile

- 1 5/8"
- 2"



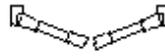
Panel Configurations

Single Panel

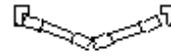


OR

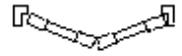
Two Panels



LR

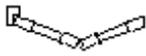


LL

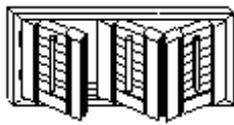


RR

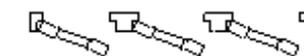
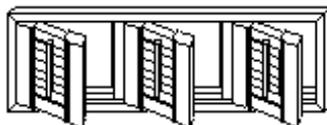
Three Panels



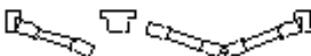
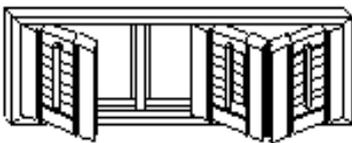
LLR



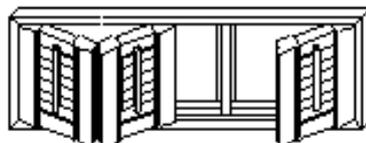
LRR



LTLTL

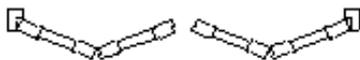


LTRR

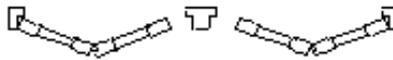
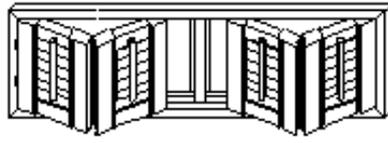


LLTR

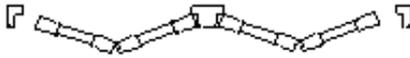
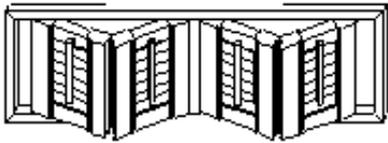
Four Panels



LLRR



LLTRR

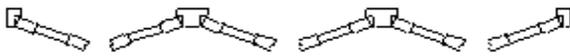


RRILL

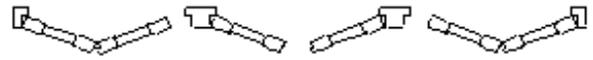


LTLRTR

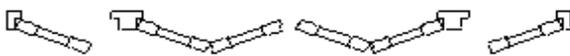
Six Panels



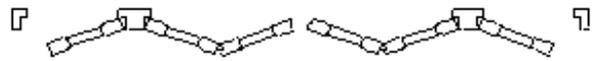
LRTLRTL



LLTLRTRR



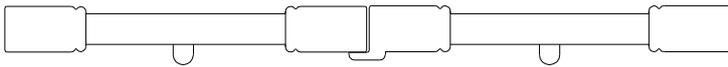
LTLRRTR



RTLLRRTL

Panel Configurations – Astragal Stile

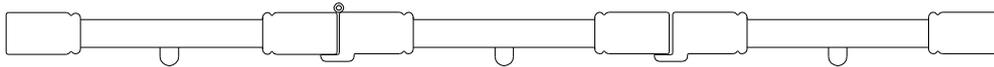
- 2 Panels – LR/LL/RR



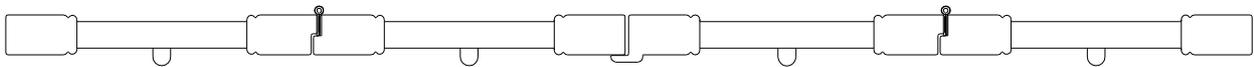
- 3 Panels - LRR



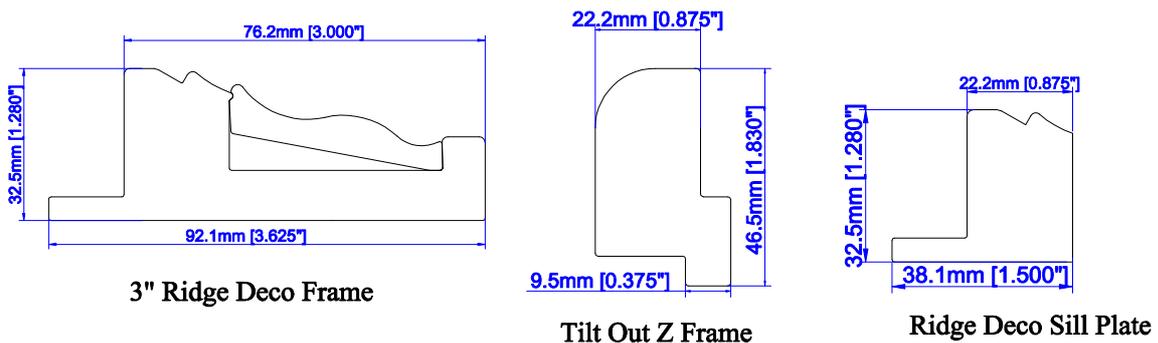
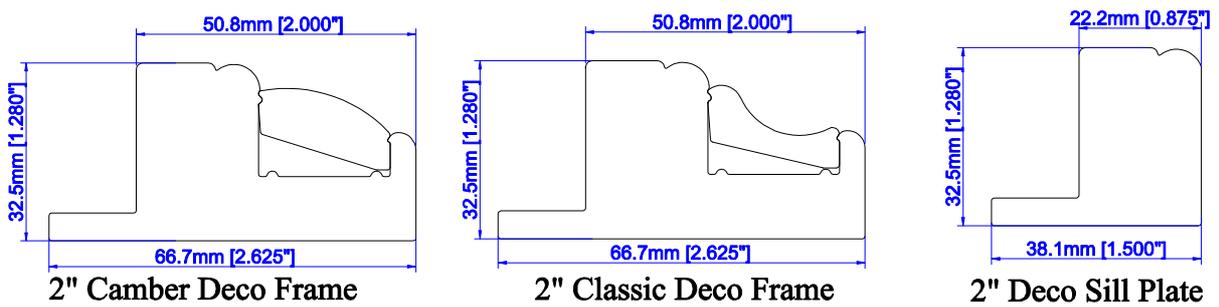
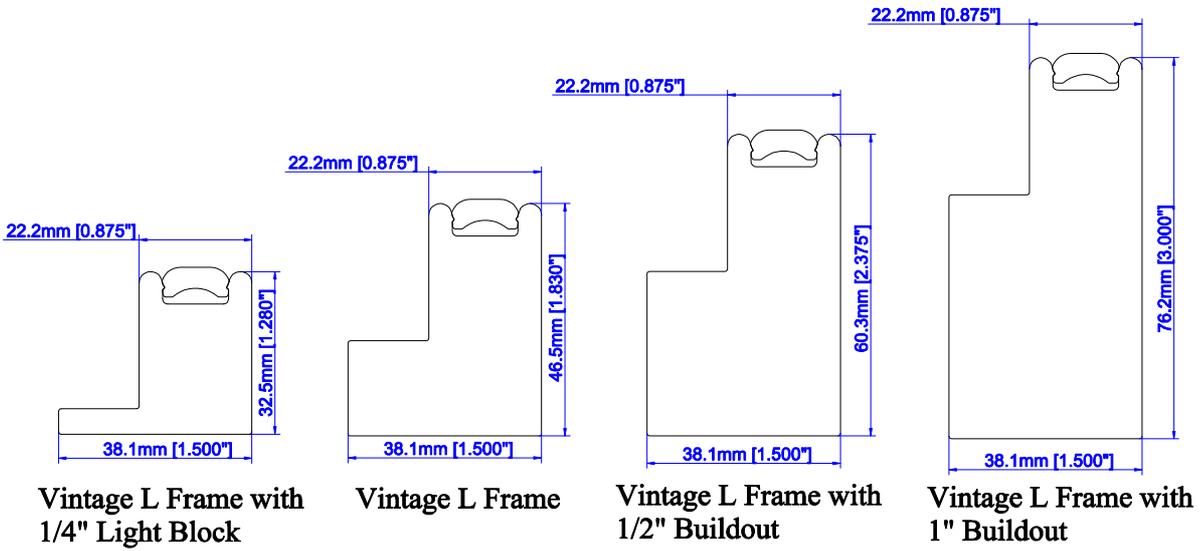
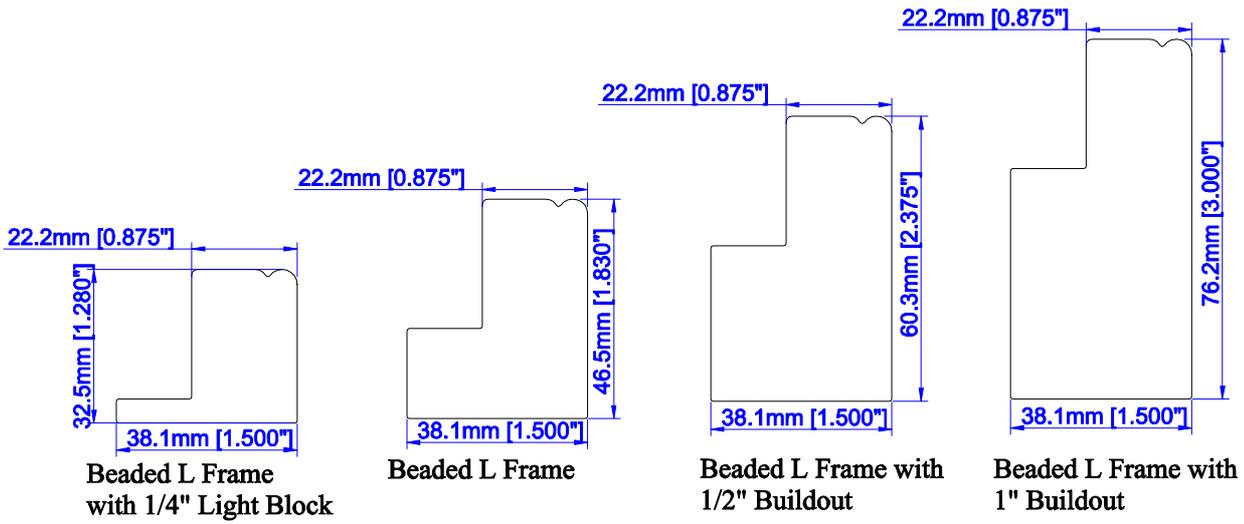
- 3 Panels – LLR



- 4 Panels - LLRR

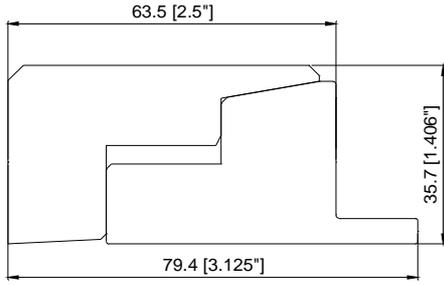


Frame Styles



*Some surcharges apply

Frame Styles



2.5" Mission Deco Frame

There are 2 options for the Deco frame installation when Window Size is given (Take Camber Deco frame as an example)

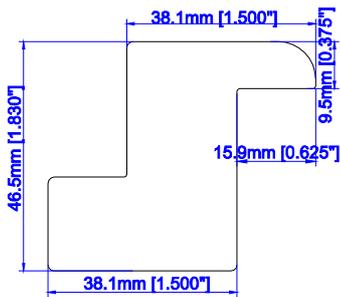
1. Default: light block part install into the window opening;

The window size is the exact size of the window opening;
 The MFF size is the measurement of the entire shutter, including the frames;
 The MFF size = Window Size + Face Width

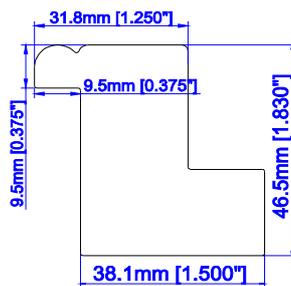


2. Optional: light block part flush with window opening.

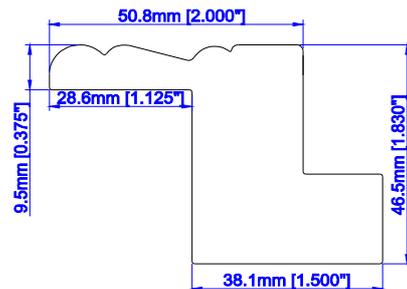
The window size is the exact size of the window opening;
 The MFF size is the measurement of the entire shutter, including the frames;
 The MFF size = Window Size + Frame Back Width



1 1/2" Bullnose Z Frame

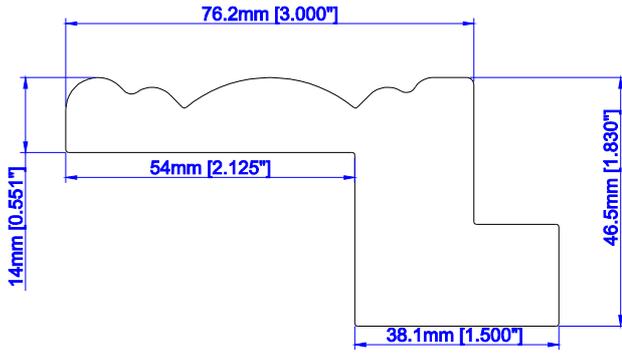


1 1/4" Beaded Z Frame

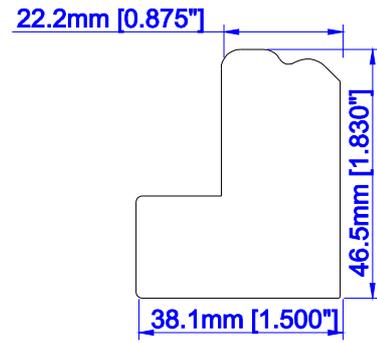


2" Bel Air Z Frame

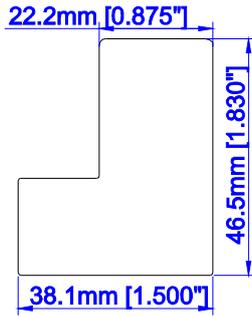
Frame Styles



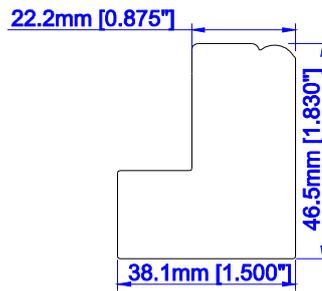
3" Crown Z Frame



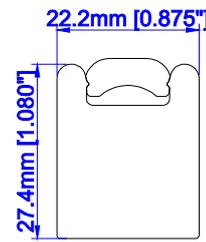
3" Crown Z Sill Plate



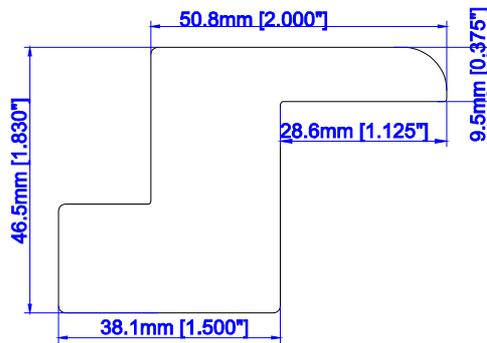
Bullnose Z
1 1/4" Beaded Z
Sill Plate



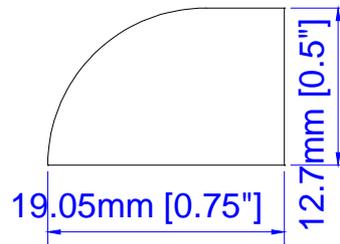
2" Bel Air Z Sill Plate



7/8" Vintage Hang Strip

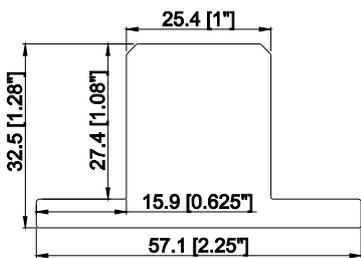


2" Bullnose Z Frame

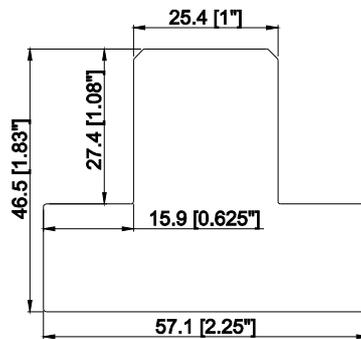


Quarter Round

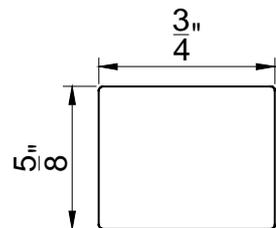
Note: Quarter Round will be made in Wood.



1" Chamfer T Post with 1/4"
Light Block (Deco)

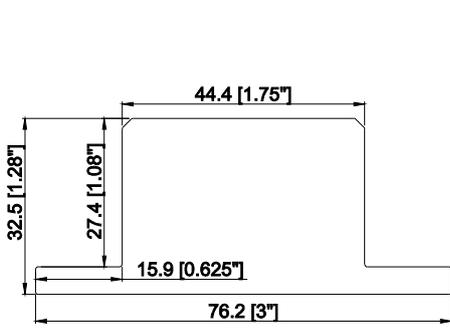


1" Chamfer T Post with 3/4"
Light Block (L/Z/HS)

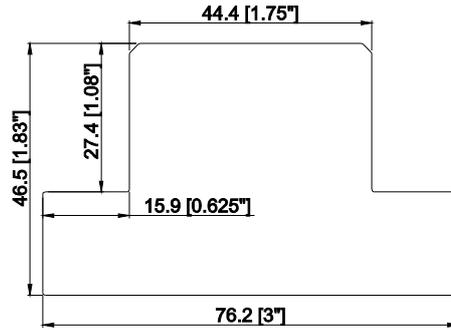


Light Block

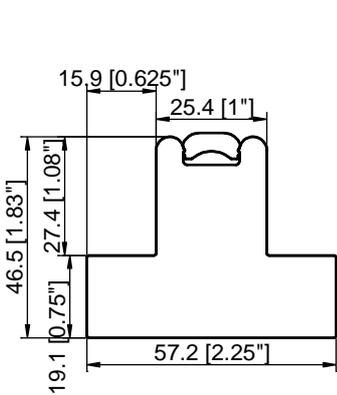
Frame Styles



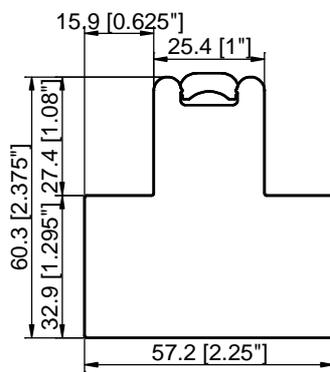
1.75" Chamfer T Post with 1/4" Light Block (Deco)



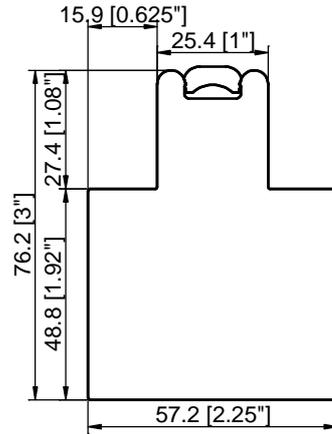
1.75" Chamfer T Post with 3/4" Light Block (L/Z/HS)



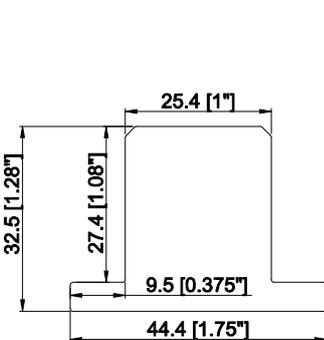
1" T Post with Insert with 3/4" Light Block



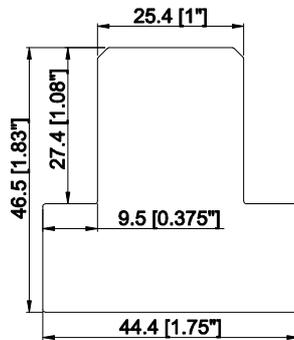
1" T Post with Insert with 1 5/16" Light Block



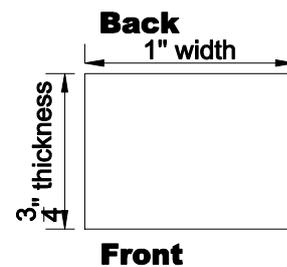
1" T Post with Insert with 1 15/16" Light Block



1" Chamfer T Post with 1/4" Thick x 3/8" Wide Light Block (Deco)



1" Chamfer T Post with 3/4" Thick x 3/8" Wide Light Block (L/Z/HS)



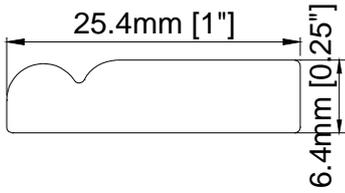
1" x 3/4" Post (No light block)

- Custom width* up to 7½ for T Posts (Made of Wood)
 - Size limits (7 1/2")
 - Available for composite but it will be made from wood
 - That a surcharge applies and customers should refer to their shutter pricing
 - Any limitations

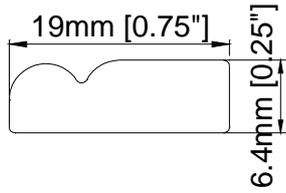
Note: The 1"x3/4" Post (No Light Block) is only available for Direct Mount. And no hardware will be supplied to install it on the existing window opening.

*Some surcharges apply

Frame Styles



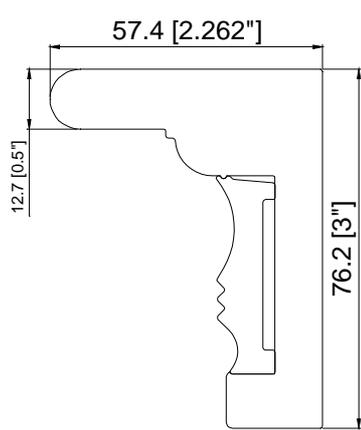
Scribe Trim 1



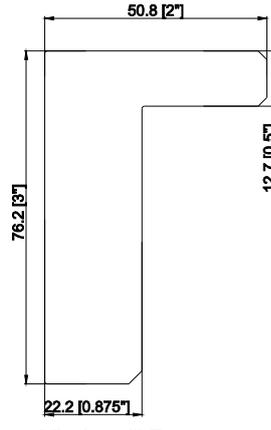
Scribe Trim 2

Note: Scribe Trim 1 & Scribe Trim 2 will be made of wood.

Sill Frames- For use where there is no existing sill

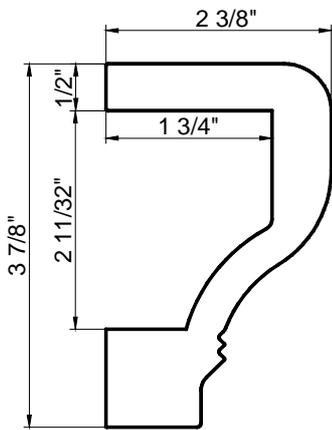


3" Deco Sill Frame

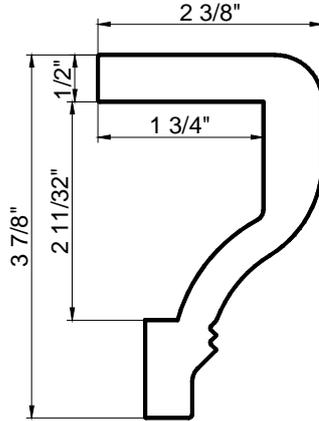


Mission sill Frame

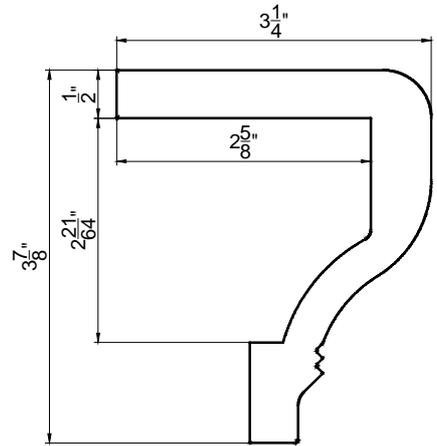
Sill caps-Used to cover existing sills



Designer Sill Cap (L)

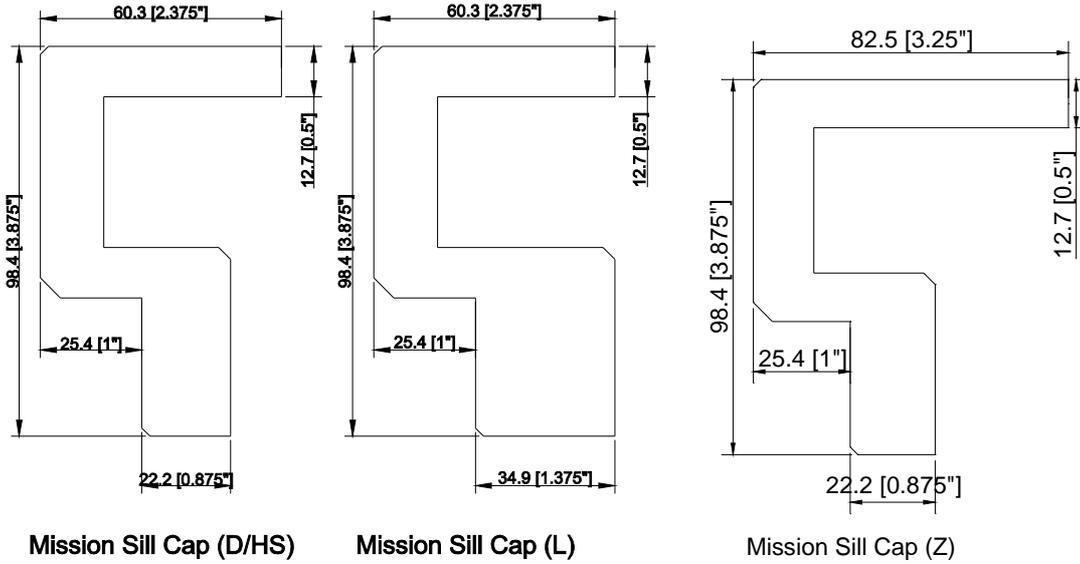


Designer Sill Cap (D/HS)



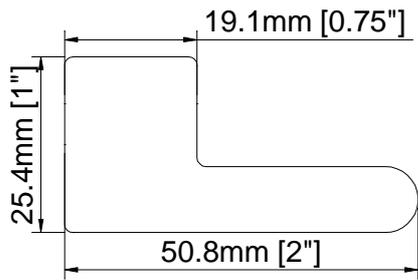
Designer Sill Cap (Z)

Frame Styles

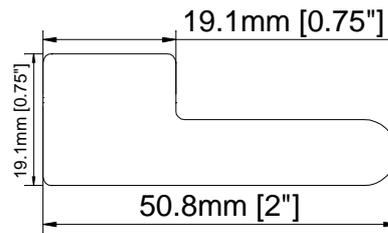


Note: For Mission Sill Cap, the extended size at each side needs to be 1" at least.

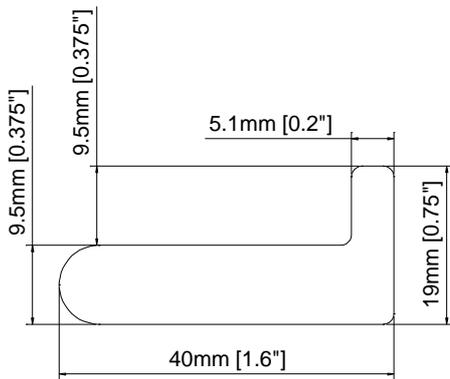
Sill Plates- Used with existing sills



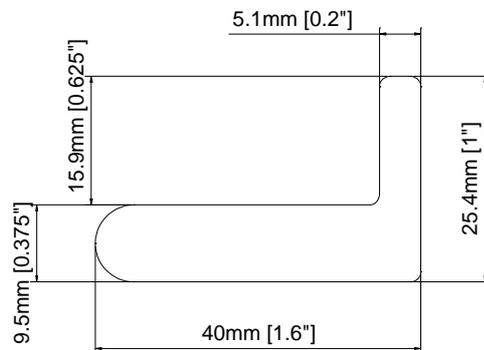
2" Sill Plate with 5/8" Light Block (L/Z)



2" Sill Plate with 3/8" Light Block (L/Z)



1.6" Sill Plate with 3/8" Light Block



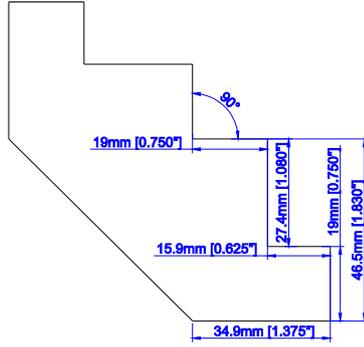
1.6" Sill Plate with 5/8" Light Block

(All Deco & L frames with 1/4" light block)

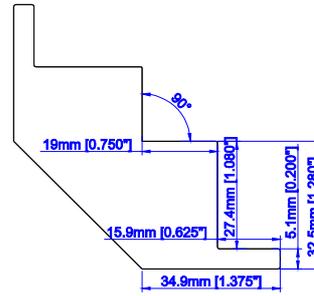
(All Deco & L frames with 1/4" light block)

Frame Styles

Standard Corner & Bay Posts

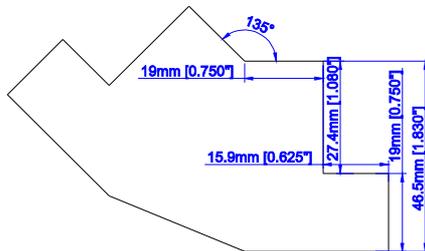


Corner Post with 3/4" Light Block (L/Z/HS)

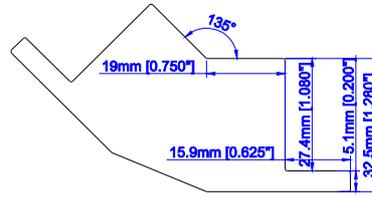


Corner Post with 1/4" Light Block (Deco)

*Notch out corner post required if ordering Z Frame with solid drywall corner.



Bay Post with 3/4" Light Block (L/Z/HS)



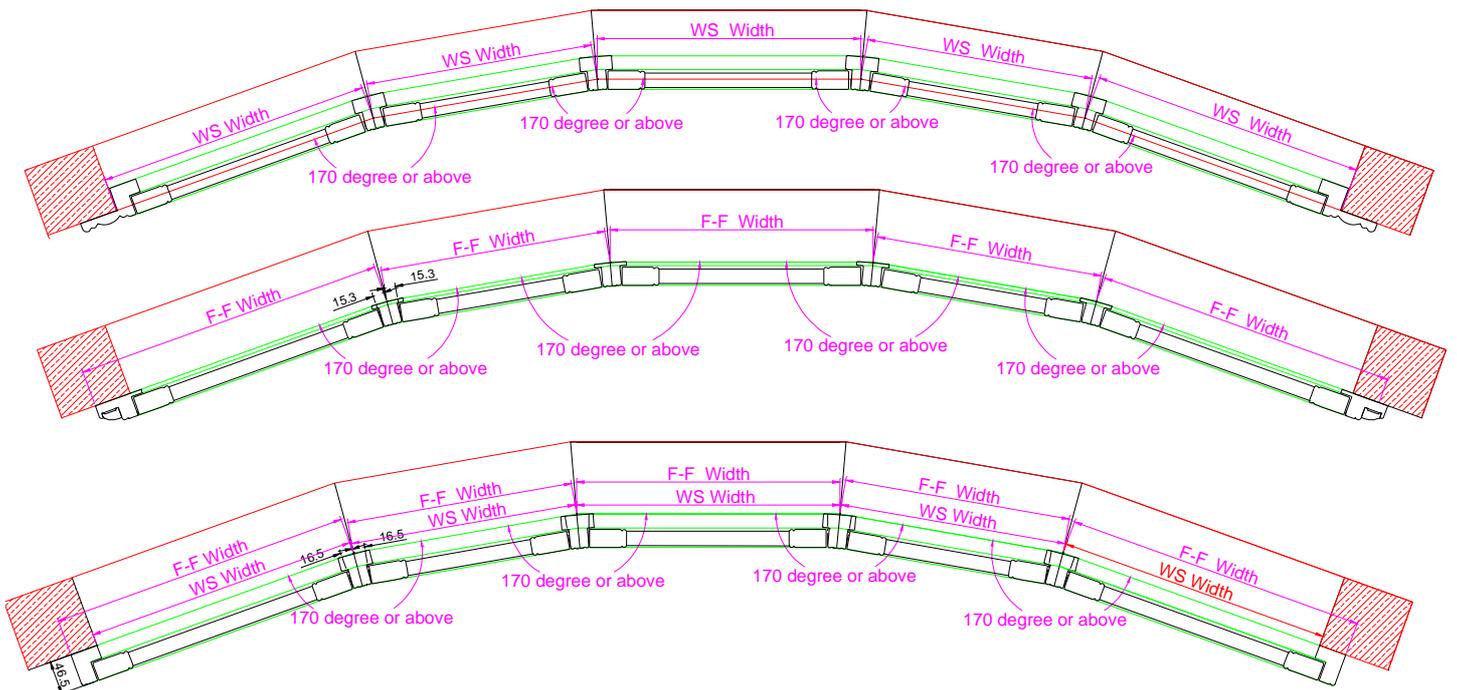
Bay Post with 1/4" Light Block (Deco)

Also available

- o Custom angle bay posts *

For bay window at 170 degree or above,

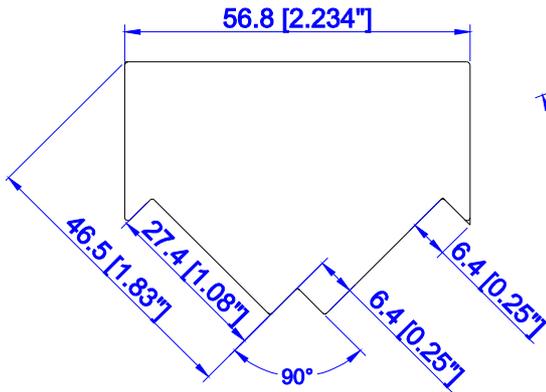
- 1" T Post with 3/8" light block will be used as Bay post;
- For Hang Strip (Behind Panel), bay post will be used.



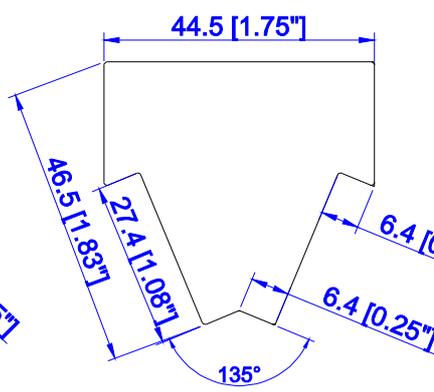
*Some surcharges apply

Frame Styles

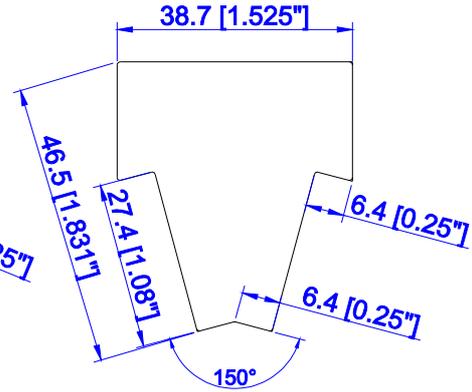
Slim Fit Corner & Bay Posts



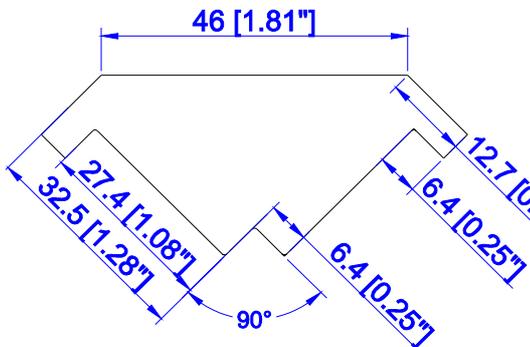
Slim Fit Corner Post for 90 Degree (L/Z/HS)



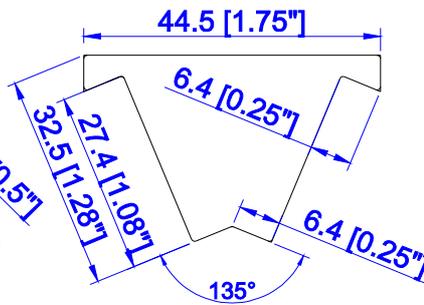
Slim Fit Bay Post for 135 Degree (L/Z/HS)



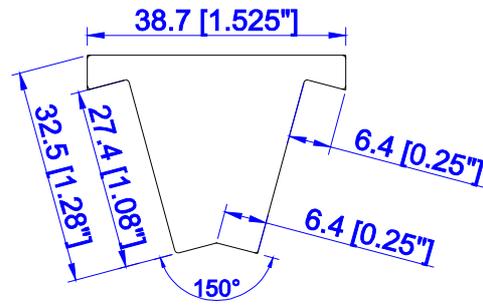
Slim Fit Bay Post for 150 Degree (L/Z/HS)



Slim Fit Corner Post for 90 Degree (D)



Slim Fit Bay Post for 135 Degree (D)

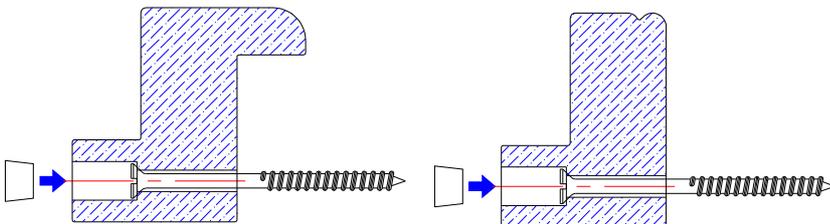


Slim Fit Bay Post for 150 Degree (D)

Note: Due to size and weight limitations, Slim Fit Posts may only be hinged on one side and with a single panel (no bi-folded panels). Please consider this when determining panel configuration.

- Slim Fit Posts are available in 90, 135 and 150 Degrees only.
- All Bay posts, Corner posts and Slim Fit Posts are made of Wood.

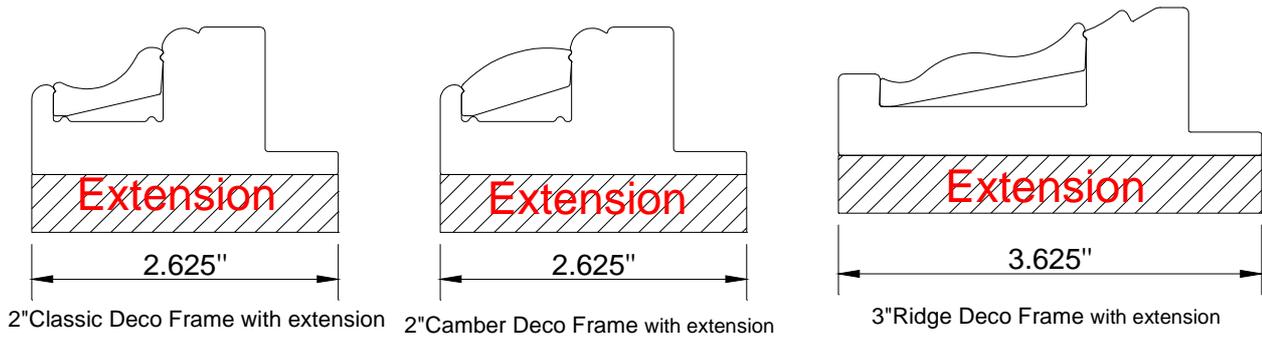
Pre-drill L Frames (Inside Mount Only) or Z frames:



Extension for Deco Frame* (Default to have full extension):

*Some surcharges apply

Frame Styles

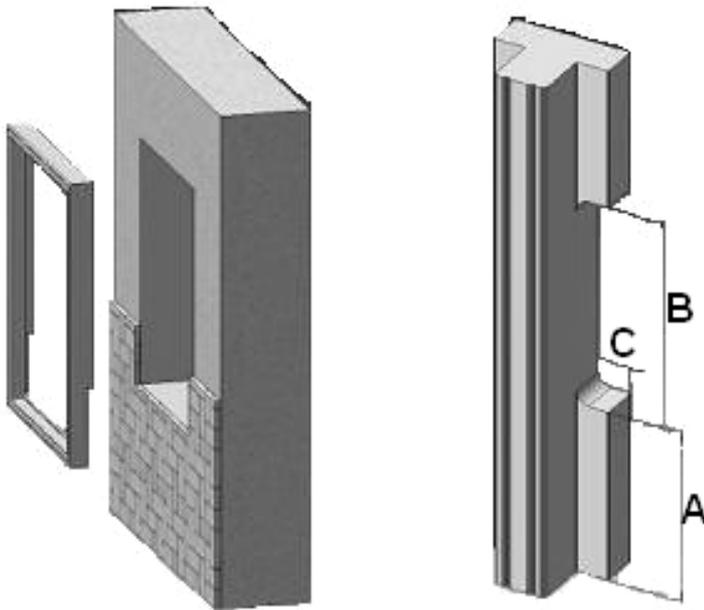


Note: When the extension thickness of the frame & T post is more than 2", the extension will not be attached with the frame and T post.

Notch out*:

- L Frame
- T Post

Specify dimensions in special instruction box.



Default principles:

Regarding shutter with horizontal T-post type issue:

Horizontal T-Post type will always be the Chamfer T post unless otherwise specified.

General Product Specifications

Description	Minimum	Maximum
Single Panel Width (Regular)	6"	24" for 1 7/8" louver 30" for 2 1/2", 3", 3 1/2", 4 1/2" louver;
Single Panel Width (Bifold)	6"	24"
Single Panel Width (Bifold Track)	6"	24"
Single Panel Height	10"	120"
Shutter Width (Without T Post)	N/A	4x single panel width (bifold) + frame
Shutter Width (With T Post)	N/A	Unlimited (For orders shipped by sea, frames longer than 142" will be spliced in the middle. For orders shipped by air, frames longer than 120" will be spliced in the middle.)
Shutter Height	N/A	120" + frame

Divider rail is required for panel heights over 74".

Standard divider rail size is 3".

Please note the standard top/bottom rail size should be within 2.75"~6.5". For regular shutters, the step for the rail size is 1/8".

Shutters without bottom supports

Shutters without bottom supports may sag and deform, including situations below:

1. Shutters with bottom gap over 0.1";
2. Shutters with no frame or no existing sill at the bottom to support the panel (or shutter has bottom frame/existing sill, but the panel is frequently left in the open position without bottom support).

Therefore, we strongly discourage the use of shutters for this application. We will continue to manufacture these shutters; however, they will not be covered under our warranty and will be subject to the guidelines listed below:

All Woodlore panel configurations:

- You must inform NWF of situations where shutters will not have bottom support when placing the initial order.
- Informing Norman Shutters when placing such orders ensures that the factory will add extra hinges to support the panel. This will reduce the probability of the panels sagging and increase shutter integrity. You must release Norman Shutters from liability in these situations.
- If you fail to notify Norman Shutters that the shutter will be used without bottom support, this will constitute a misapplication of the shutter. Consequently, you will be responsible for the cost of any RGA that is submitted.

- If you want a bifold shutter, a track must be ordered to support the panels. Without a track, Norman Shutters will not manufacture the order even with liability waived.

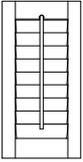
Side by Side / Match Line Number:

When **Side by Side** is selected, it is solely to match top or bottom rails and the number of hinges will also be matched when the panel heights are within +/- 2". When selected, the option to match with another line number or previous work order is solely for matching the top or bottom rails. Neither option will be used to match any other specifications.

Tilt Rods

Standard Tilt Rod

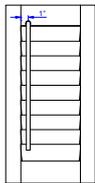
Default Location: In the middle of the panel on front side (default).



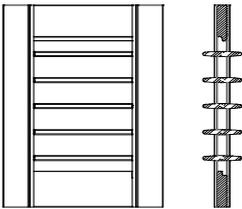
Offset Tilt Rod*

Default Location: On the front side of the panel and at 1" from the louver ends on the hinged side.

Optional location: per your request



InvisibleTilt™ *



Louver tilting system embedded within panel stile. It is not available for 1⁷/₈" louver. The tilting system is split when the number of louvers exceeds the limits as listed below:

Louver Size	Maximum Possible Louvers	Panel Height Range
2½"	24	54 ¾" – 57 ¼"
3"	19	54 ¼" – 57"
3½"	16	54 ¾" – 58"
4½"	12	54 ¾" – 60"

For even numbers of louvers, the number of louvers operated by the top and the bottom tilting system will be the same;

For odd numbers of louvers, the number of louvers operated by the bottom tilting system will be one more than the number of louvers operated by the top tilting system;

To ensure split tilt is included, always specify on the order.

Split Tilt

When selected, the louvers are split evenly by default unless a custom location is requested.

When the customer selects a custom location, the measurement will be as follows (please note that the louvers are in the closed position when measured):

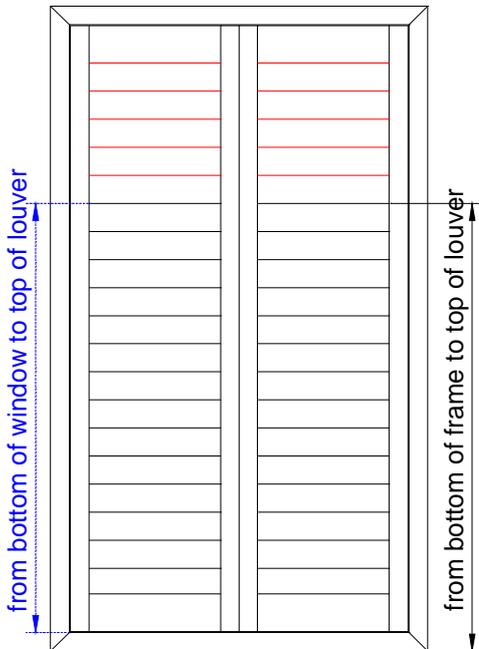
*Some surcharges apply

Window size:

- Measure from the bottom of the window to the top of the louver

Max frame-to-frame:

- Measure from the bottom of the frame (or panel if there is no bottom frame, sill or sill cap) to the top of the louver.



Split tilt allowable deviations

Louver Size	Allowable \pm Deviation
1 7/8"	3/4"
2 1/2"	1"
3"	1 1/4"
3 1/2"	1 1/2"
4 1/2"	2"

Split Location:

- Per the customer's specification. However, the location of the top louver of the bottom split section may be adjusted to achieve more balanced top and bottom rails when **allow deviations** is selected during order entry. If necessary the location will be moved up from the desired height to ensure any obstruction is covered. The amount of the deviation from the desired height will depend on the size of the louver selected.

If the exact location of the split is critical, customer may select **exact location** in the order entry system when placing the order. This may result in significantly different top and bottom rails. When exact location is selected, a popup will reveal the resulting top and bottom rails measurements from which the customer may either:

1. Accept the listed top and bottom rail sizes
2. Modify the split location (sometimes a slight adjustment in the exact split location may achieve desired top and bottom rail sizes)
3. Change to **allow deviations** so the system will calculate the split location

Note: Top and bottom rail sizes may change if the current line item is being matched with another line item. Carefully review all top and bottom rail sizes and split locations to ensure a desirable look is achieved

Divider Rails

A divider rail is an extra rail in the middle of the panel.
 Creates two sections in the panel so louvers can be operated independently.
 Strengthens the panel and enhances structural integrity.
 Required for panel heights over 74".

Specifications

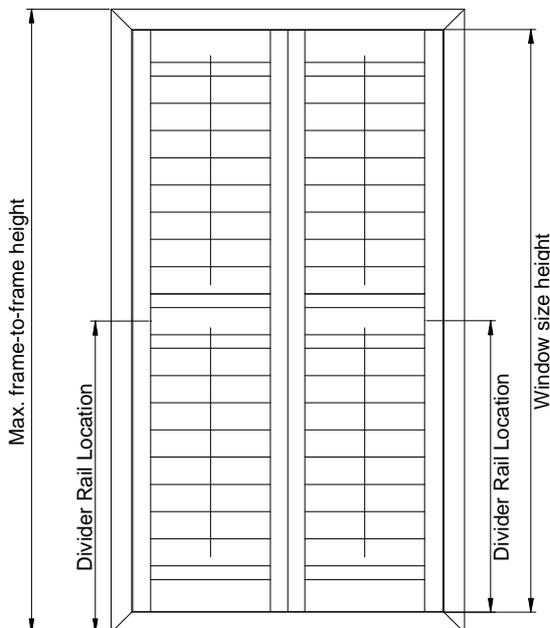
Standard size: 3"

Default location: center of the panel unless specified otherwise

Measurements:

- Window size:
 - Measure from the bottom of the window to the center of the divider rail.
- Max frame-to-frame:
 - Measure from the bottom of the frame to the center of the divider rail.
- Position:
 - Per customer's specification. However, the divider rail may be adjusted to a lower or higher position, within our allowable deviation, to ensure reinforcement and aesthetics of the shutter.

When placing the order, please clearly specify if the divider rail position needs to line up with that of other shutter divider rails in the same room. Please also refer to the table below for the allowable deviation details.



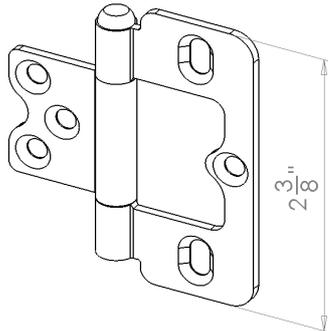
Divider rail allowable deviations

Louver Size	Allowable + Deviation
1 7/8"	3/4"
2 1/2"	1"
3"	1 1/4"
3 1/2"	1 1/2"
4 1/2"	2"

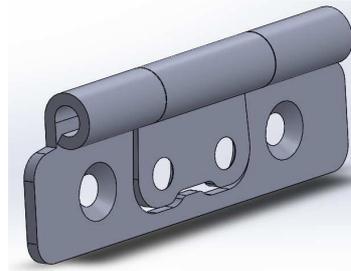
Hardware

Hinges

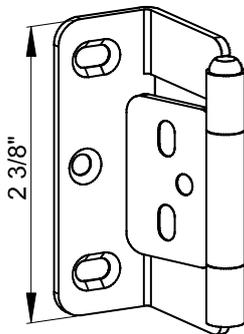
Self-Mortise Hinge



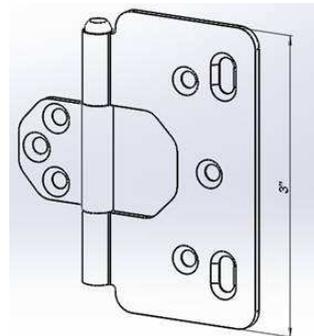
Bi-fold Hinge



L Hinge



Direct Mount 3" Hinge



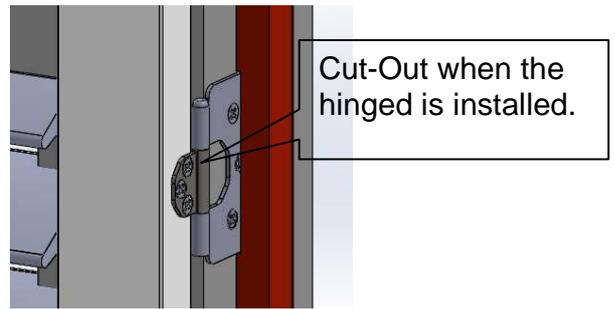
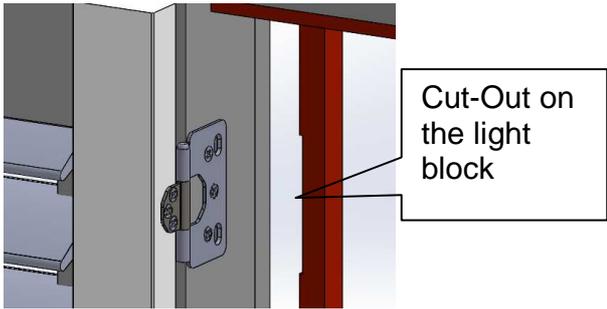
Hinges are available in:

Pure White, Silk White, Bisque, Pearl, Bright Brass, Antique Brass, Black, Nickel plated, Brushed Nickel, Stainless Steel, Crisp Linen, String, Sea Mist, Stone Gray, Brown Gray, Taupe Gray. While hinge colors of Crisp Linen, String, Sea Mist, Stone Gray, Brown Gray, Taupe Gray are not available for Direct mount 3" Hinges.

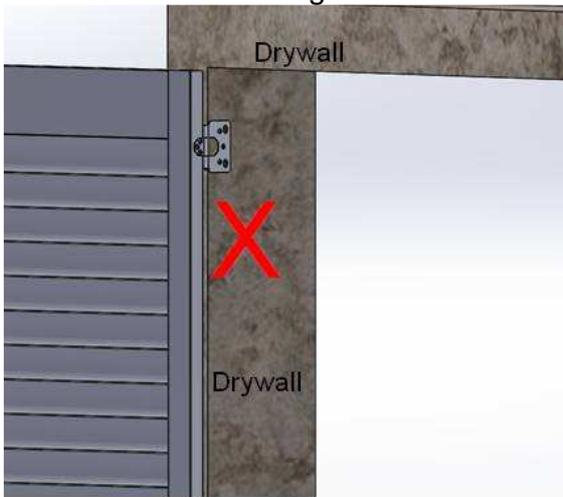
➤ **Direct Mount 3" Hinge:**

1. The hinge position of the direct mount 3" hinge will be different from that of the 2.375" ones. For shutters used both the 2.375" and the direct mount 3" hinge, the hinge position of the 2.375" ones will match that of the direct mount 3" hinge;
2. The hinge is only to install between the panel and the existing window. For other situation, 2.375" hinges will be used;
3. To avoid conflict, there will be cut-out for the light block of the hinged side. Please refer to the drawing below.

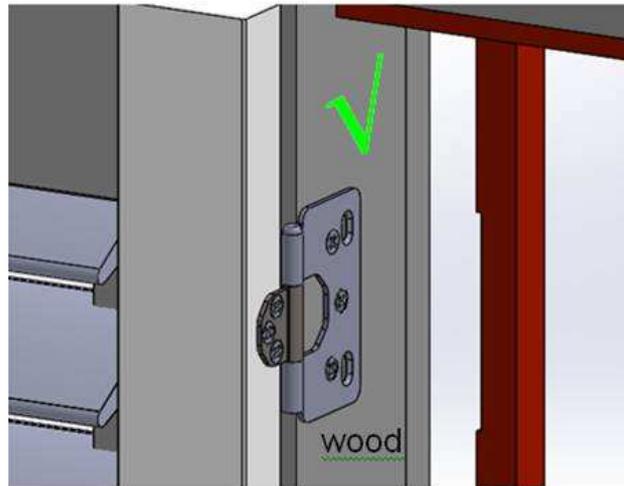
*Some surcharges apply



4. Direct Mount 3" Hinge is not suitable for drywall installations.



Direct Mount 3" hinge is not suitable for drywall installations.
It's not recommended.

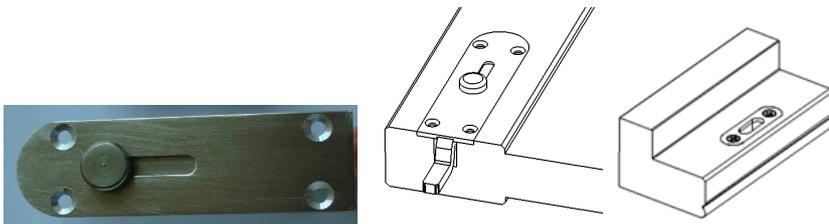


It's acceptable.

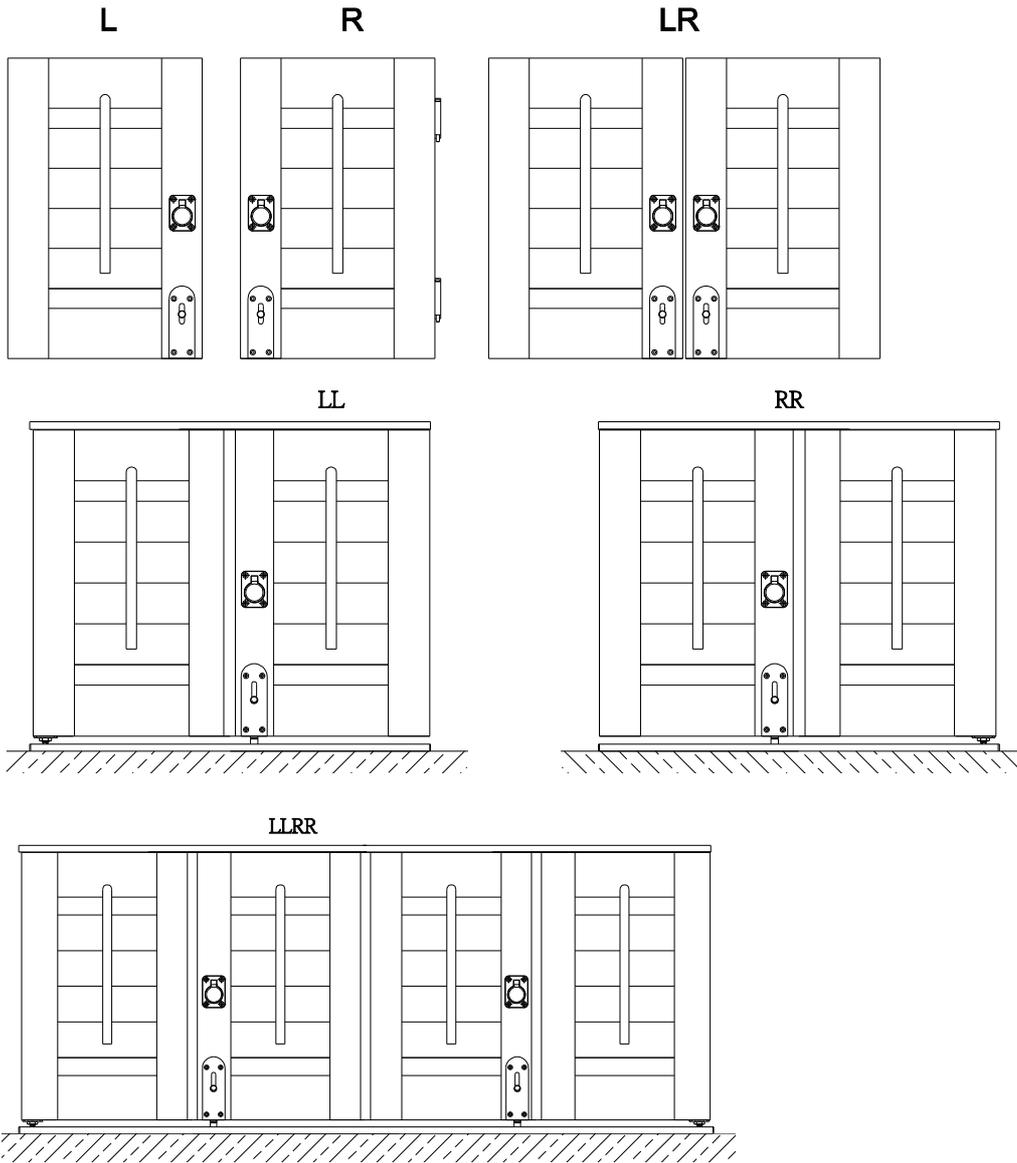
Panel Lock: (not available for 1.625" Stile)

Available Material: All

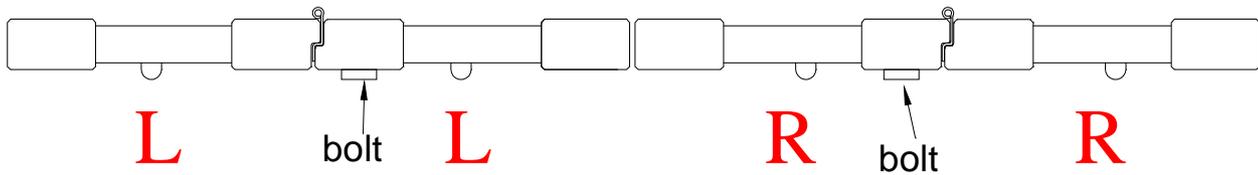
Color: Brush Nickel Plated



Position: (Only available on Bottom for Track Shutters with Bottom Track; For Regular, available on Top/Bottom/both Top and Bottom)

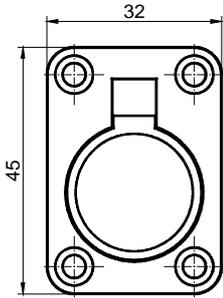


The Panel Lock location for both track system shutters and regular shutters would be the same. The general principle is that the Panel Lock position will avoid the stile which will install the spring-loaded guide at bottom (same stile as the Wheel carrier).



Ring pull: for easy opening and closing. (Not available for 1.625" Stile)

Available in all shutter programs.



Ring pull location principle for Floating Panels:

1. When floating panel config is in pairs, it will be split into halves, the left will be for LL and the right will be for RR. So the ring pull location for FF/FF, FF/FF/FF/FF will be same as that of panel config as LL/RR, LL/LL/RR/RR.
2. When floating panel config is FF, the ring pull location will be same as that of panel config LL.
3. When floating panel config is singular, it will be split into 3 sections, the left and mid sections are for LL and the right section is for RR. So the ring pull location for FF/FF/FF, FF/FF/FF/FF/FF will be same as that of LL/LL/RR, LL/LL/LL/RR/RR.

Please note the ring pull color will match with the hinge color.

Please see the matching chart below:

Hinge color	Pure White	Silk White	Bisque	Pearl	Black	Nickel Plated	Brushed Nickel	Antique Brass	Bright Brass	Stainless Steel
Ring Pull color	White	White	Bisque	Pearl	Black	Brushed Nickel	Brushed Nickel	Antique Brass	Bright Brass	Brushed Nickel

Hinge color	Crisp Linen	String	Sea Mist	Stone Gray	Brown Gray	Taupe Gray
Ring Pull color	Bisque	Bisque	Brushed Nickel	Brushed Nickel	Brushed Nickel	Brushed Nickel

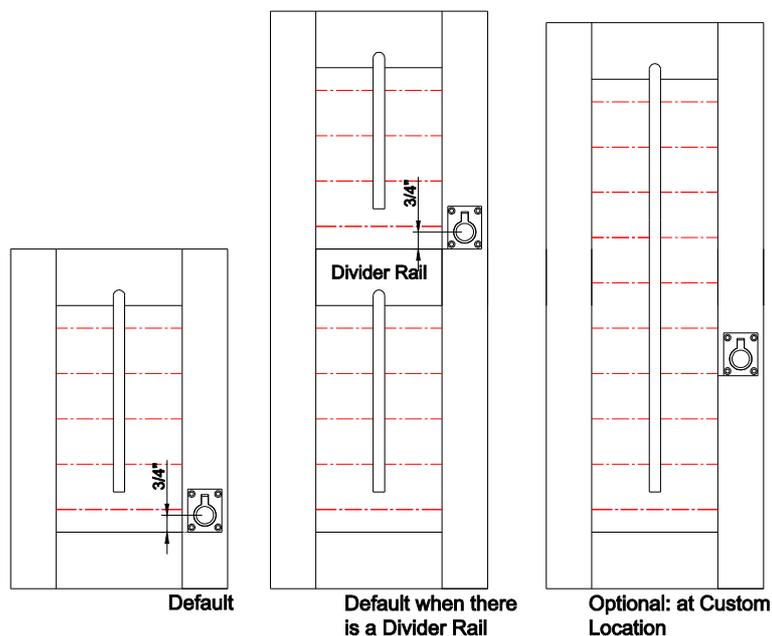
Color ID	Color Name	2.375" Hinge color (Default)	Direct Mount 3" Hinge color (Default)	T post connector color	Ring pull color	New Top & Bottom Tracks color (Default)	Hoffman Key Color (Default)
001	Pure White	Pure White	Pure White	Pure White	White	Bright White	White
003	Silk White	Silk White	Silk White	Silk White	White	Bright White	White

*Some surcharges apply

006	Pearl	Pearl	Pearl	Pearl	Pearl	Bright White	White
012	Crisp Linen	Crisp Linen	Bisque	Bisque	Bisque	Metallic Gray	White
019	String	String	Bisque	Bisque	Bisque	Bronze	White
032	Sea Mist	Sea Mist	Nickel Plated	Nickel Plated	Brushed Nickel	Metallic Gray	White
049	Stone Gray	Stone Gray	Nickel Plated	Nickel Plated	Brushed Nickel	Bronze	Transparent
051	Brown Gray	Brown Gray	Nickel Plated	Nickel Plated	Brushed Nickel	Bronze	Transparent
080	Taupe Gray	Taupe Gray	Nickel Plated	Nickel Plated	Brushed Nickel	Metallic Gray	White

- When the bottom track colors are bright white and metallic gray, the default spring loaded guide color will be white; When the bottom track color is bronze, the default spring loaded guide color will be coffee.

Position: For different panel configuration, please refer to the location of Panel Lock to show on which stile the pull will be fixed.

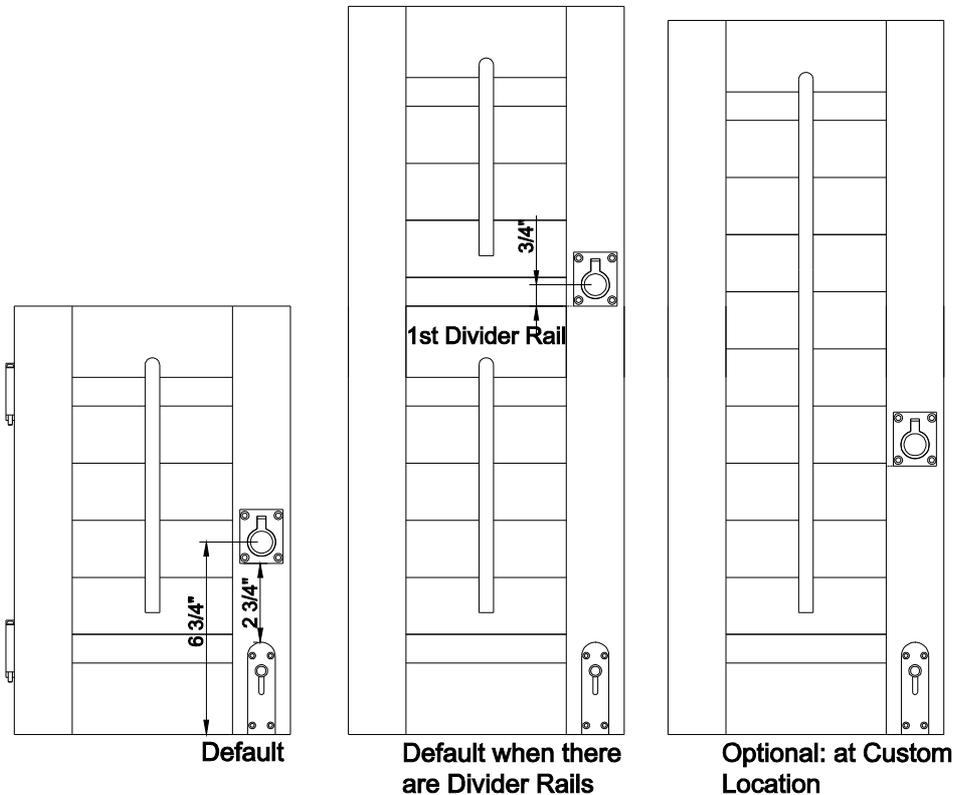


Position:

- Above Bottom Rail (Default)
- Above 1st Divider Rail (Default when there are Divider Rails)
- Custom Location

If both Panel Lock & ring pull are specified, the distance between them is 2 3/4", and the ring pull location is 6 3/4" from the bottom of panel.

When there is no mid rail, ring pull will be just on the top of Panel Lock (2 3/4" above Panel Lock) as default location; if there are mid rails, bottom of ring pull lines up with top of the 1st mid rail as default location.



Position:

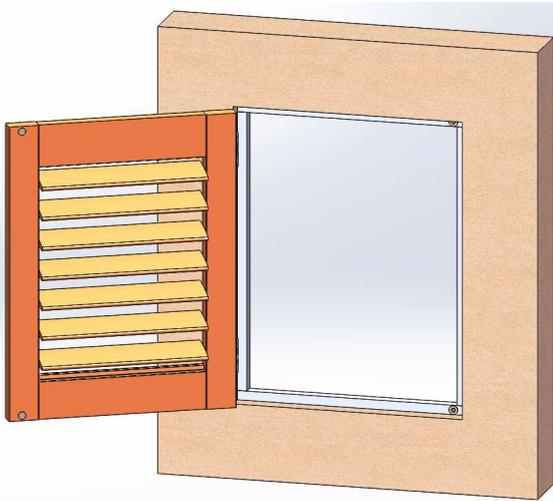
- A. 2 3/4" Above Panel Lock (Default when both Ring Pull and Panel Lock are specified)
- B. Above 1st Divider Rail (Default when there are Divider Rails)
- C. Custom Location

Measurements:

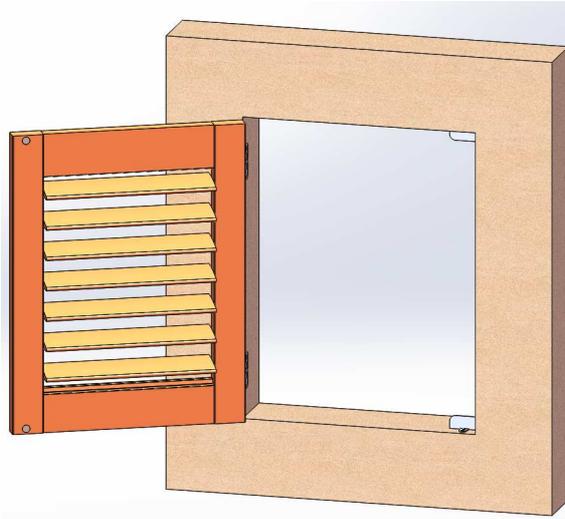
- Window size:
 - Measure from the bottom of the window to the center of the ring pull.
- Max frame-to-frame:
 - Measure from the bottom of the frame to the center of the ring pull.

Mount Options for Direct Mount:

Light block



L magnet catch



10mm Round Magnet without screw hole (recessed into panels)



Round Magnet Catch (installed on light blocks)

L Magnet Catch (sill magnet catch): used for catching the magnets when ordering panels without light blocks.



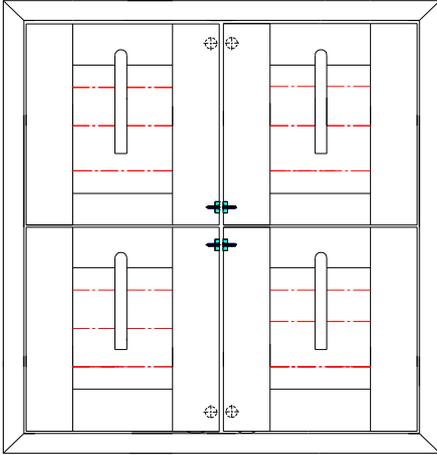
Side Magnet: Available for Butt, rabbet and Astragal stile



Side Magnets will be applied in following situation:

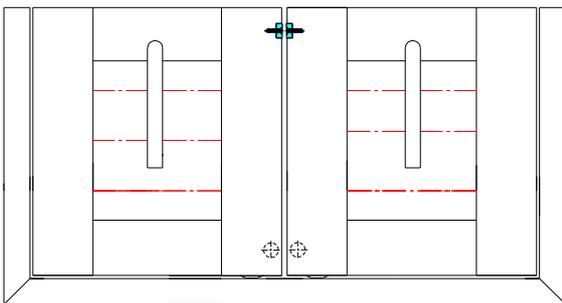
1. Double Hung shutter but without horizontal T post:

Side magnets will be applied to the meeting stiles of the L and R panel. (Default)



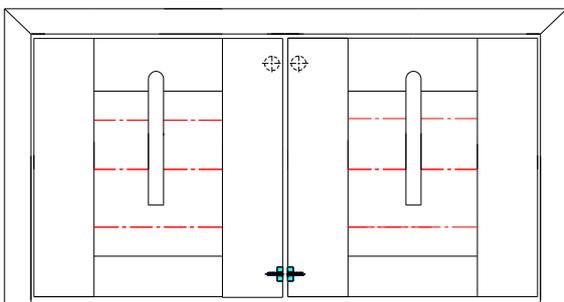
2. Café Shutter

Side magnets will be applied to the meeting stiles of the L and R panel. (Default)



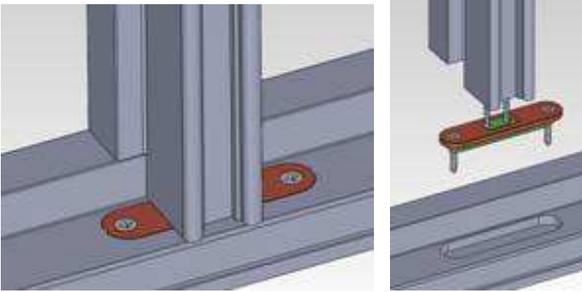
3. No frame or light block or L-shape striker plate on either top or bottom, or if larger than standard top or bottom gap is requested.

Side magnets will be applied to the meeting stiles of the L and R panel. (Optional)



4. Note: if panels only with side magnets and there is no standard magnet on the back of panels, panels may open for external factors.

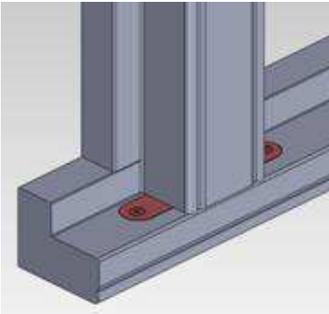
T-Post Connector



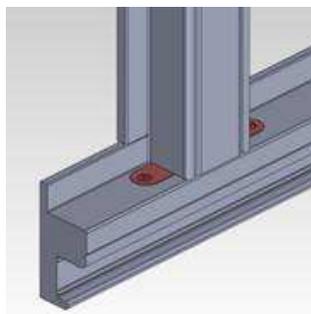
- . Available colors: Pure White; Silk White; Pearl; Bisque; Black; Nickel-Plated.
- . Available for all types of T Posts (custom-width T posts excluded).

T Post Connector can be used with the following Frames.

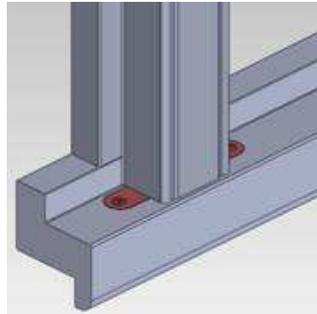
L Frame:



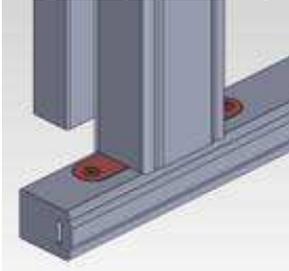
Deco Frame:



Z Frame:



Hang Strip (Beside)

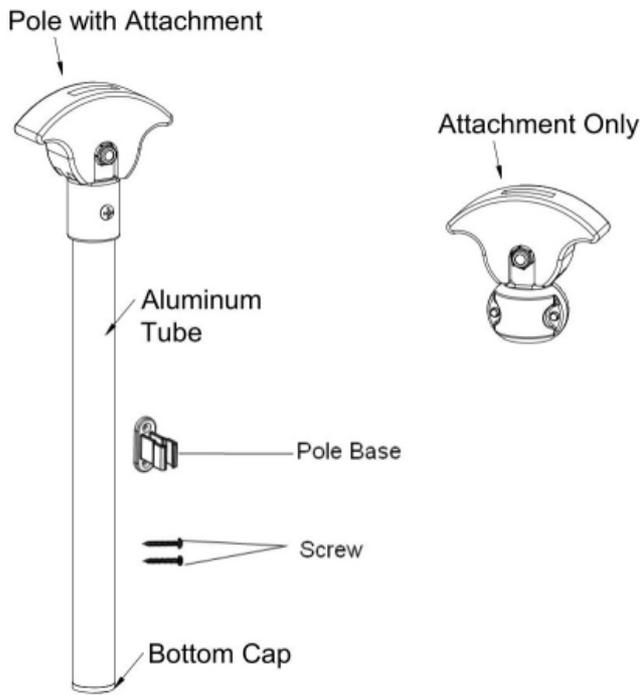


Note:

1. For Horizontal T Post, Hang Strip (Behind) and shutter with 1.5"/2" Sill, T Post connector is not available and T Post will be installed by screws instead;
2. If there is a panel lock which may interfere with the T-Post connector, all the T-Posts for the entire shutter will be installed with screws and the frames to be pre-drilled, even in cases where the panel lock may only interfere with one T-Post;
3. The screw color is nickel-plated regardless of the color of the T Post connector;
4. T post connectors can only be installed on a straight piece, and screws will be used instead for T Post installed on a curved or raked piece.

Optional Poles:

1. Terminology



Component

NO.	Name	Note
1	Pole with Attachment	Aluminum Tube, Pole Base and Bottom Cap included *Surcharge applies.
2	Attachment only	<ul style="list-style-type: none"> • Compatible with extension poles found in most home improvement stores. • Screw thread (3/4") and thread pitch (1/5") *Surcharge applies.

2. Available Pole Length

Two lengths available:

- 36"
- 60"

Bi-fold 180™

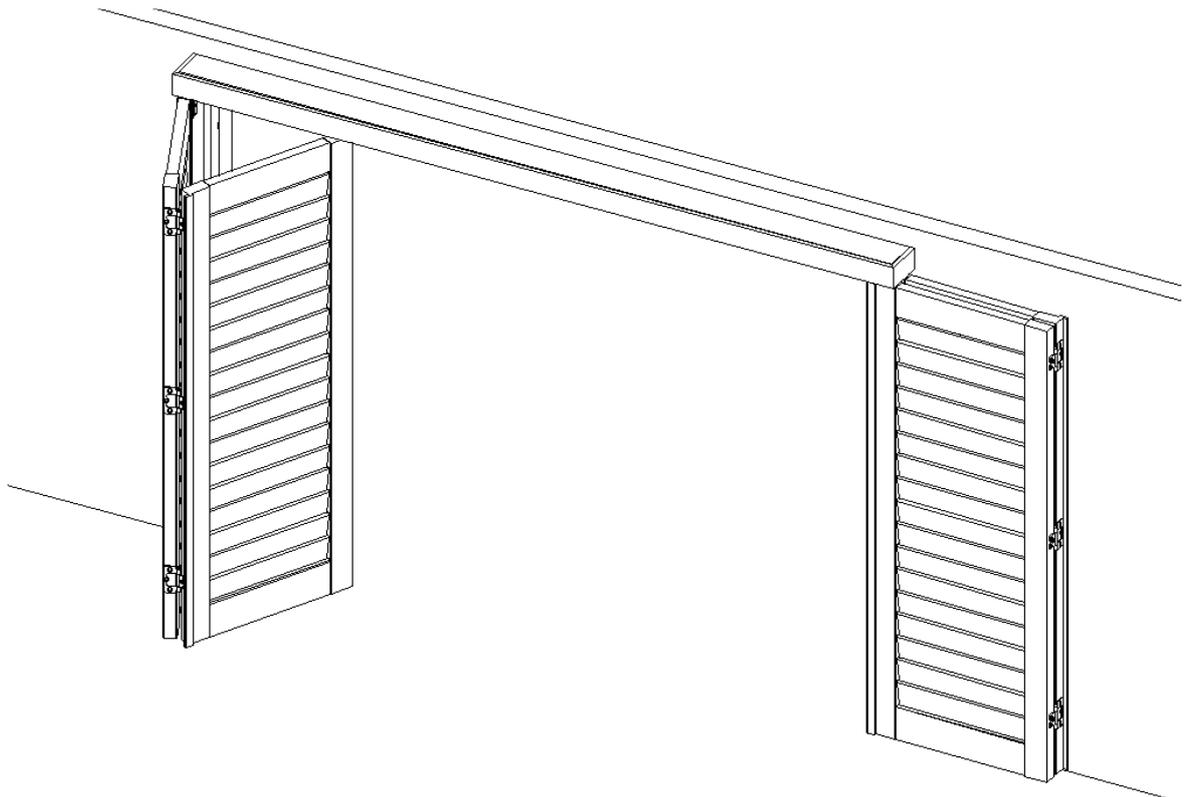
Guidelines and Specs:

<u>Description</u>	<u>Minimum</u>	<u>Maximum</u>
Single-Panel Width (Bi-fold Track)	6"	24"
Single-Panel Width (LLL/RRR)	N/A	N/A
Single-Panel Height	10"	120"

Outside Mount

Max frame-to-frame width: window width + 3 1/2"

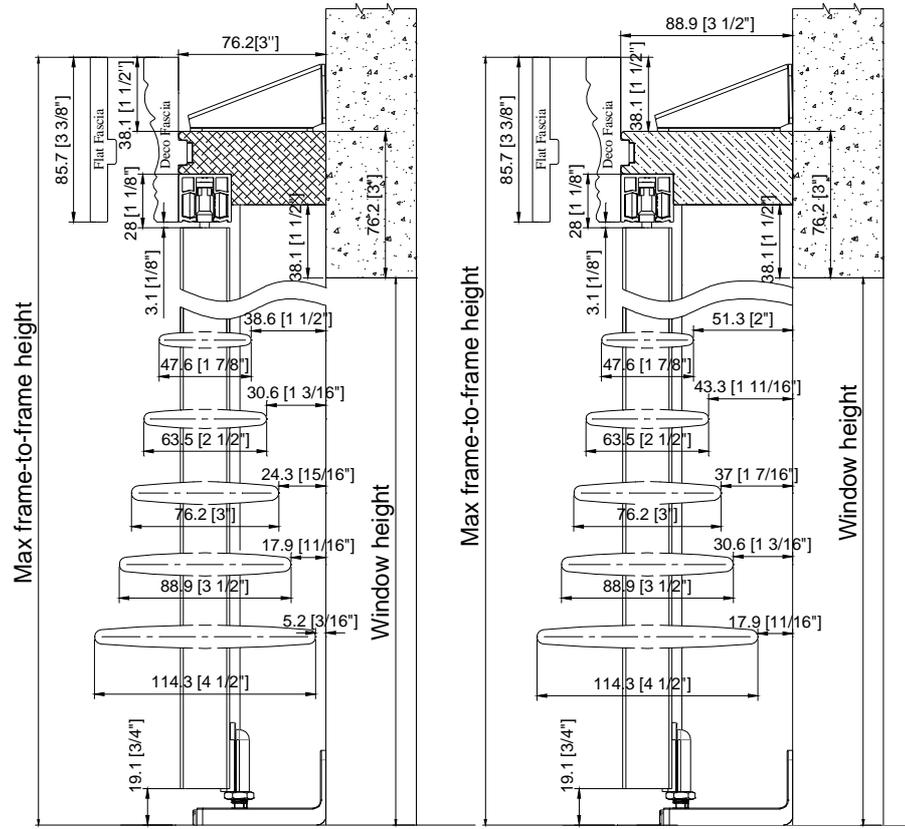
Max frame-to-frame height: window height + 4 1/2"



Track is pre-installed on the header; standard 1 track only.

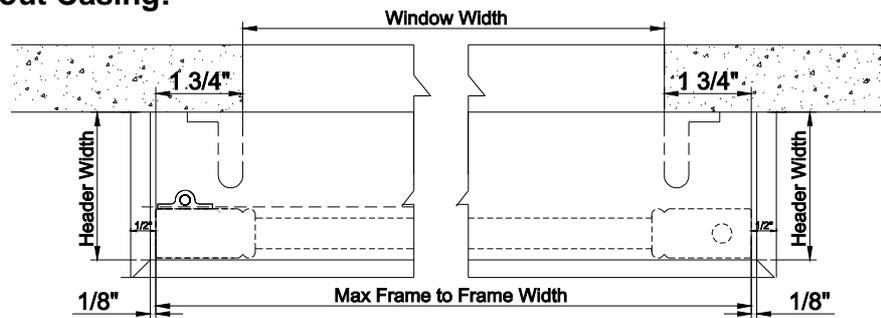
Mounting Options: Outside Mount only

Side View



Top View

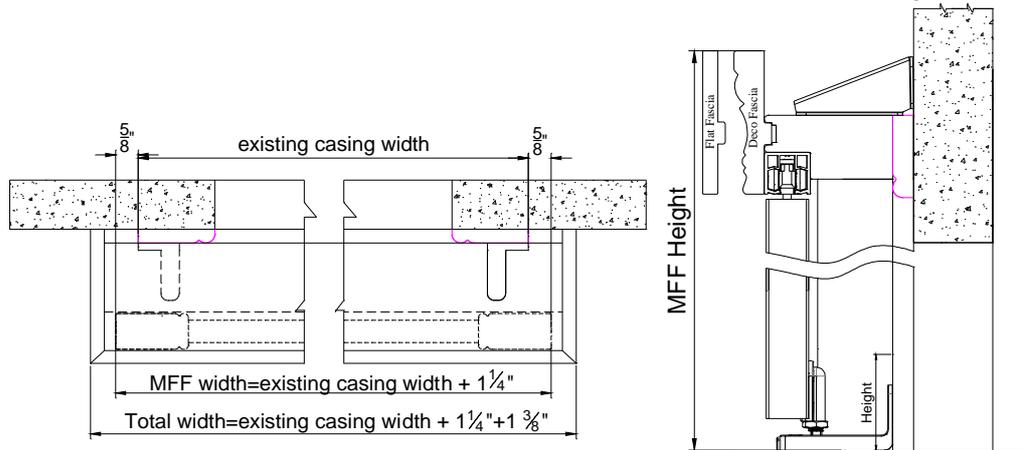
Without Casing:



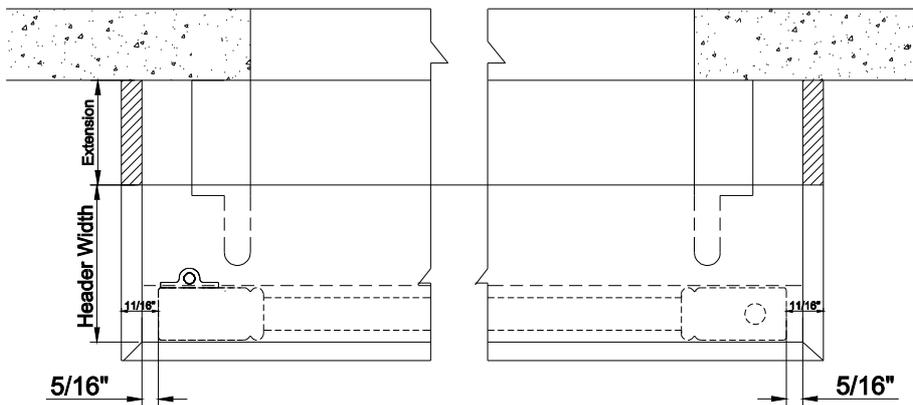
Note:

- ◇ Fascia return will protrude the panel about 1/2" for each side.
- ◇ The header will protrude the panel about 1/8" for each side.
- ◇ Header, light blocks, and bottom pivot bracket(s) must be installed on a flat surface.

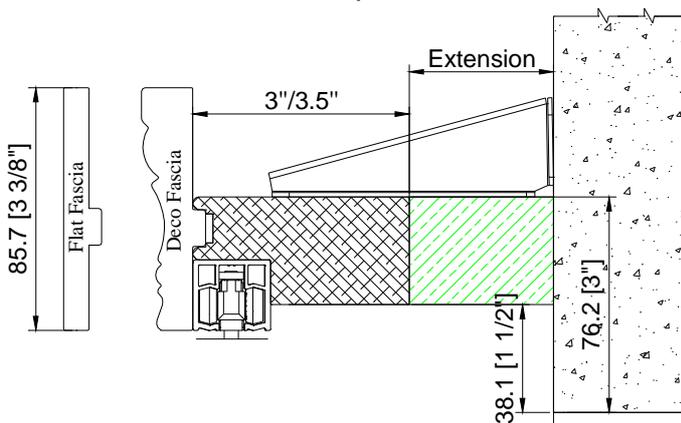
With Existing Casing:



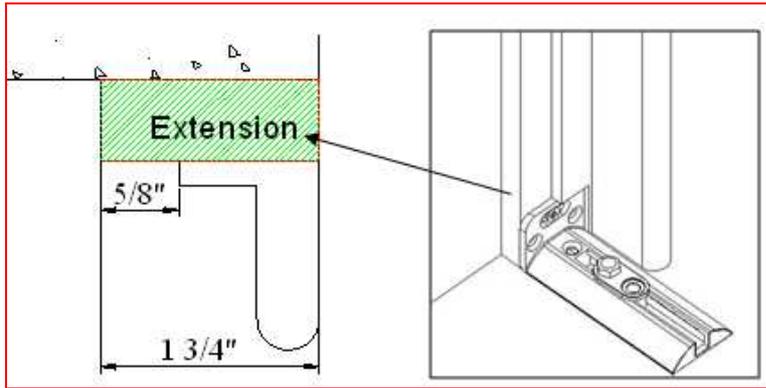
- ✧ Header Extension: Optional
- ✧ Custom extension up to 2" for Header
- ✧ When extension is needed, the header will protrude the panel 5/16" for each side and the fascia return will protrude the panel 11/16" for each side.



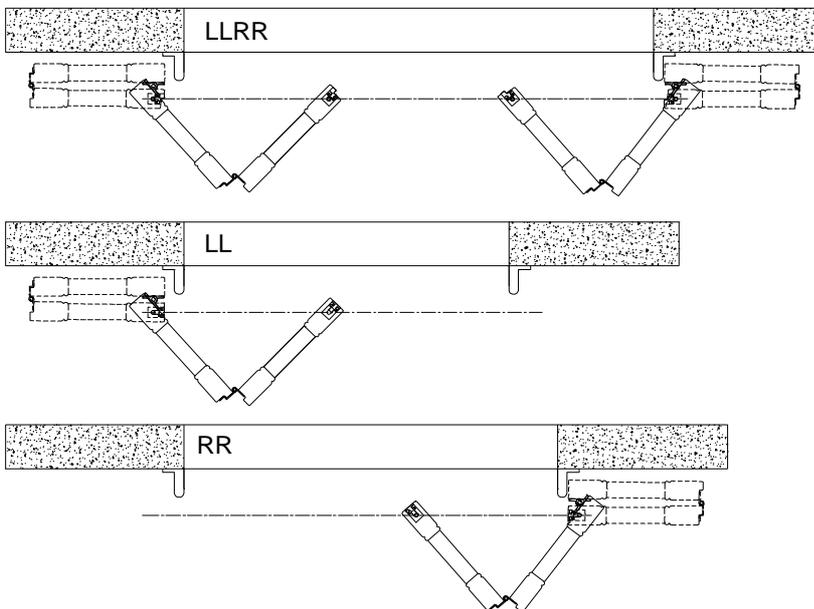
- ✧ The extension will be pre-attached.



For 180 Bi-fold, if Bottom Pivot L Bracket is required, the extension for the L shape light block will be 1 3/4" in width. Please see picture below:



Panel Configuration : Only 2", 2 1/4" rabbet and butt stiles are available. Center stile is not available.



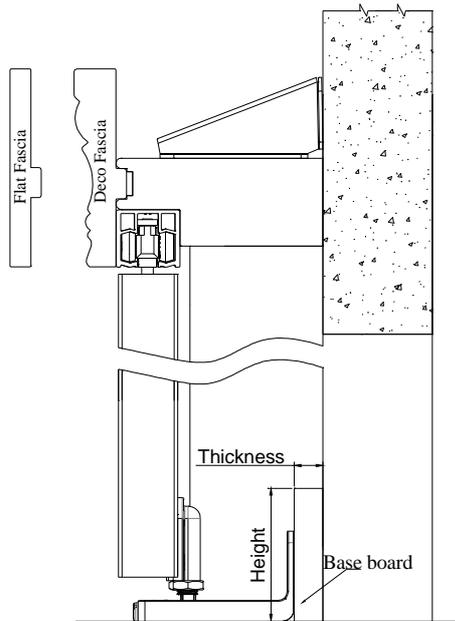
Notes:

If there is no baseboard to the wall, 3" header can be used.

If there is baseboard to the wall, then it should be as below:

1. If base board thickness is less or equal to 5/8", 3 1/2" header can be used.
2. If base board thickness is over 5/8", it is suggest using the 3" header with build out. And the build out thickness=base board thickness-1/8".

Please see the drawing below:



180° Bi-fold Track Shutters Framing Materials

Type	Header Dimension	Top Fascia Dimension	L Shape Light Block Strip Dimension
Header & Top Fascia & Light Block Strip	3"	3 3/8"	1 9/16"
	3 1/2"		2 1/16"

180° Bi-fold Track Shutters Hardware Box

Parts
Wrench
Hinge Pin
Triangle Bracket (based on the length of header)
2" screws for Triangle Bracket
3/4" screws for Triangle Bracket
Bottom Pivot Bracket
1 1/2" screws for bottom pivot bracket
2 1/2" screws for Frame with predrilled screw holes

Bi-fold 90

Guidelines and Specs:

<u>Description</u>	<u>Minimum</u>	<u>Maximum</u>
Single-Panel Width (Bi-fold Track)	6"	24"
Single-Panel Width (Multifold track up to 4 panels)	N/A	N/A
Single-Panel Height	10"	120"

Outside Mount

Max frame-to-frame width: window width + 3 1/2"

Max frame-to-frame height: window height + 4 1/2"

Semi-Inside Mount

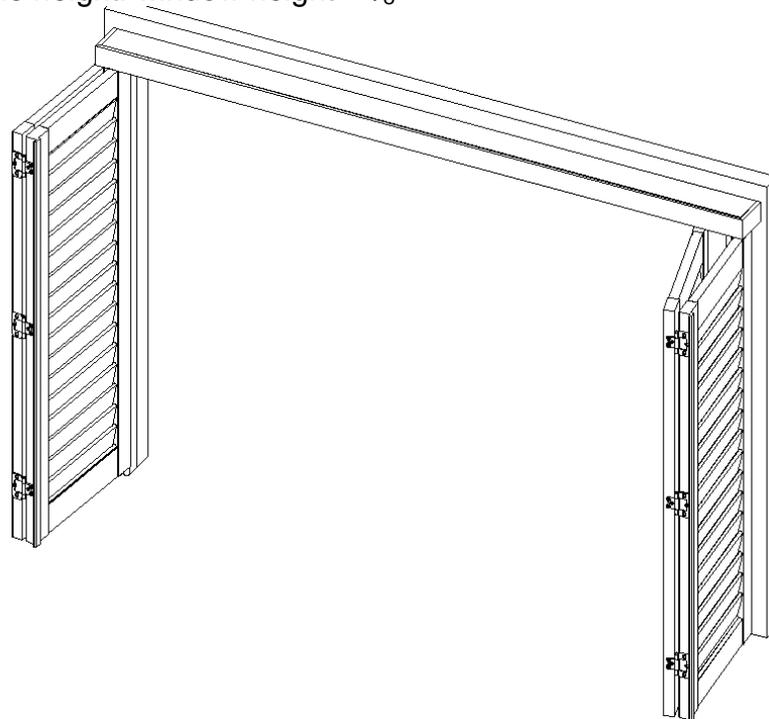
Max frame-to-frame width: window width - 1/8"

Max frame-to-frame height: window height + 1 3/8"

Inside Mount

Max frame-to-frame width: window width - 1/8"

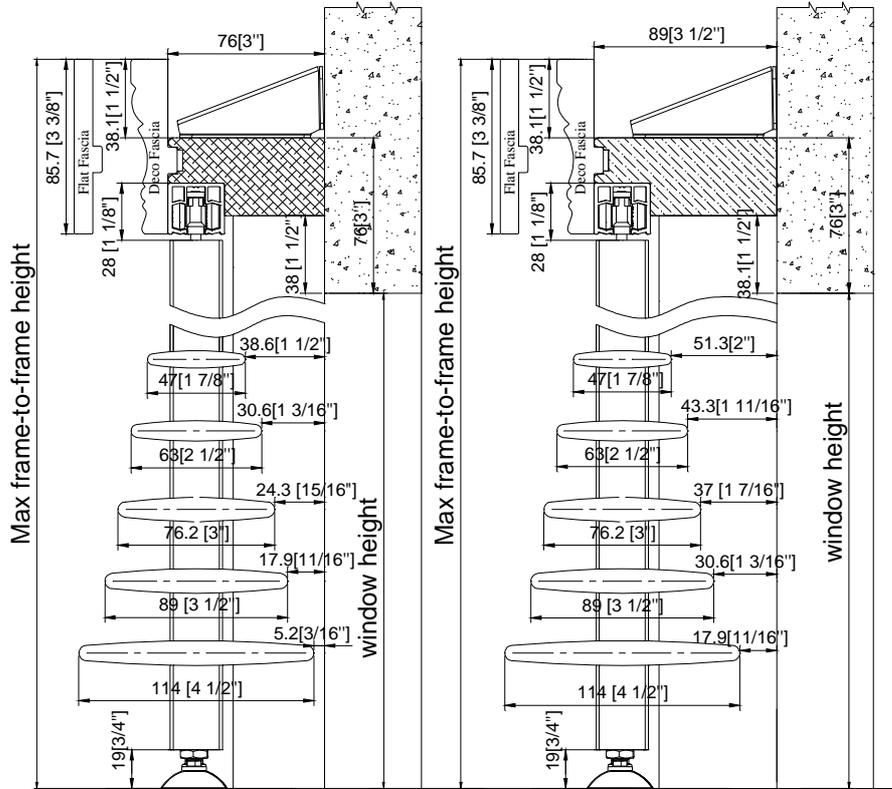
Max frame-to-frame height: window height - 1/8"



Track is pre-installed on the header; standard 1 track only.

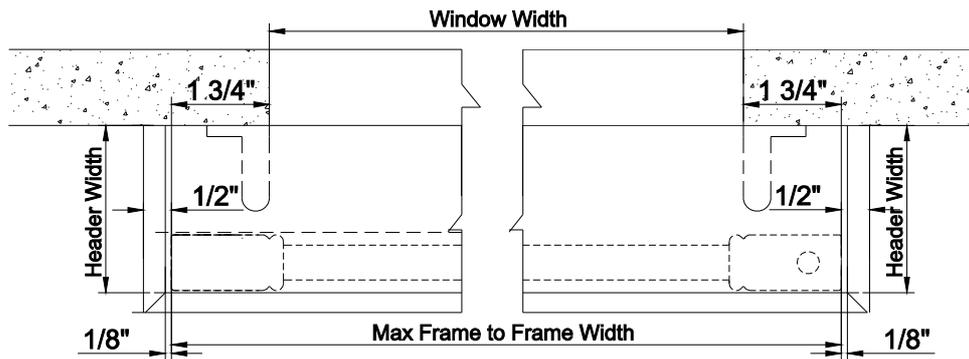
Mounting Options: Outside Mount

Side View



Top View

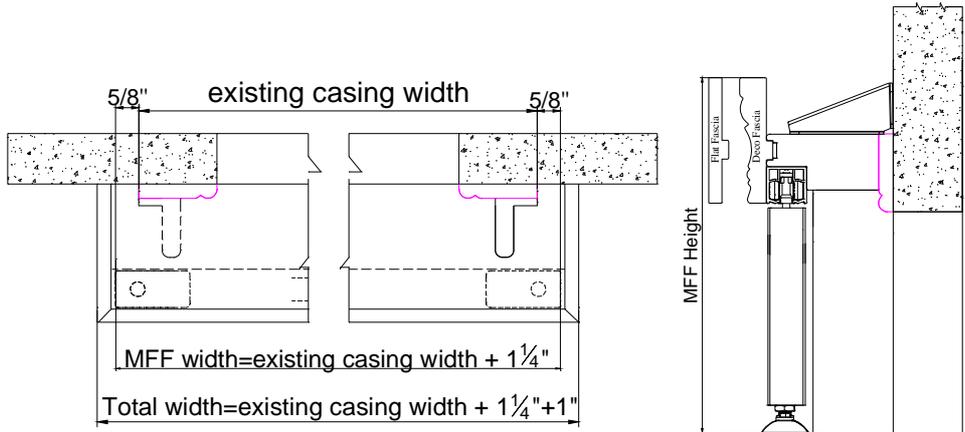
Without Casing:



Note:

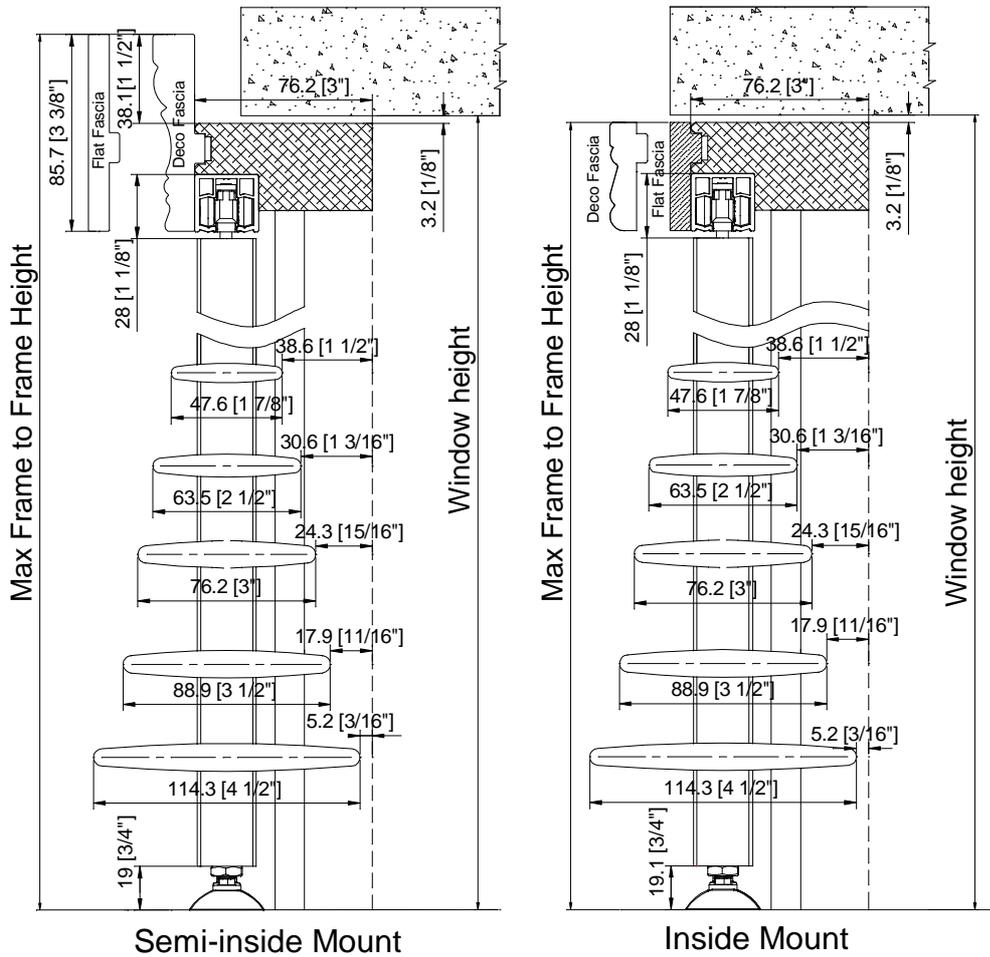
- ◇ Fascia return will protrude the panel about 1/2" for each side.
- ◇ The header will protrude the panel about 1/8" for each side.
- ◇ Header, light blocks, and bottom pivot bracket(s) must be installed on a flat surface.

With Existing Casing:

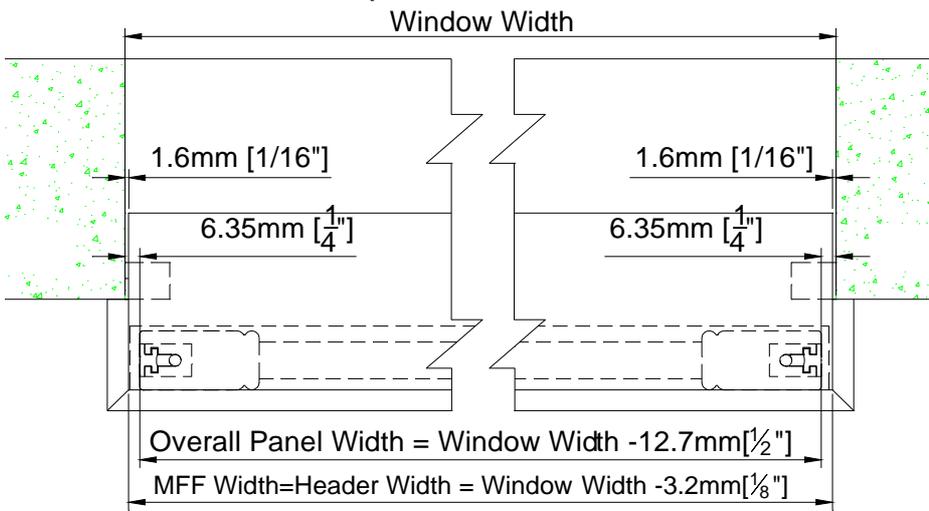


Semi-Inside/Inside Mount

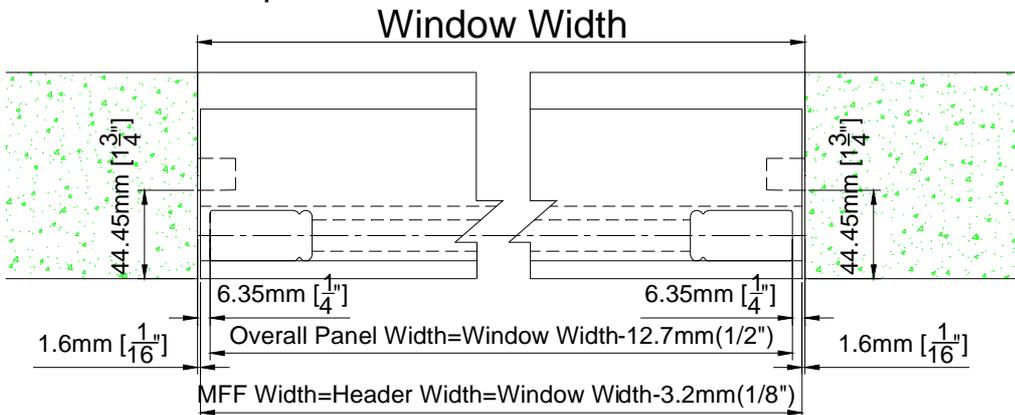
Side View



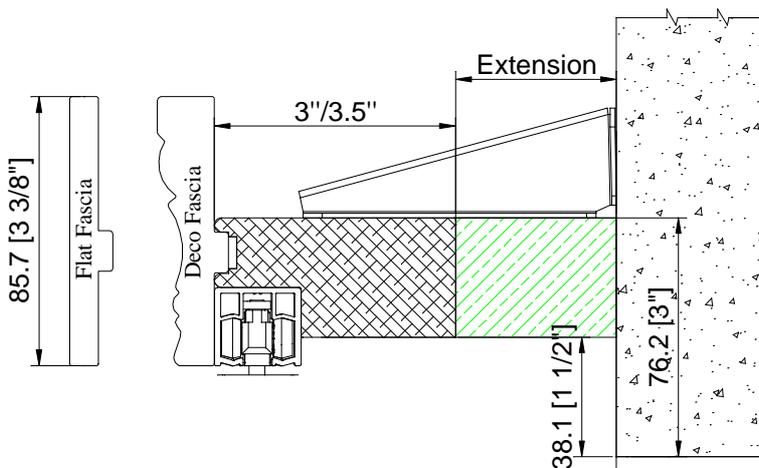
Semi-Inside Mount Top View



Inside Mount Top View

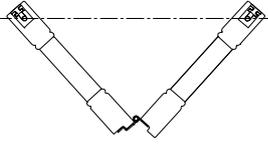


- ✧ Header Extension: Optional.
- ✧ Custom extension up to 2" for Header
- ✧ The extension will be pre-attached.



Panel Configuration: Only 2", 2 1/4" rabbet and butt stiles are available.
Center stile is not available.

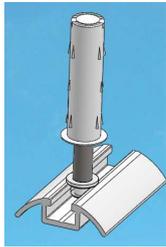
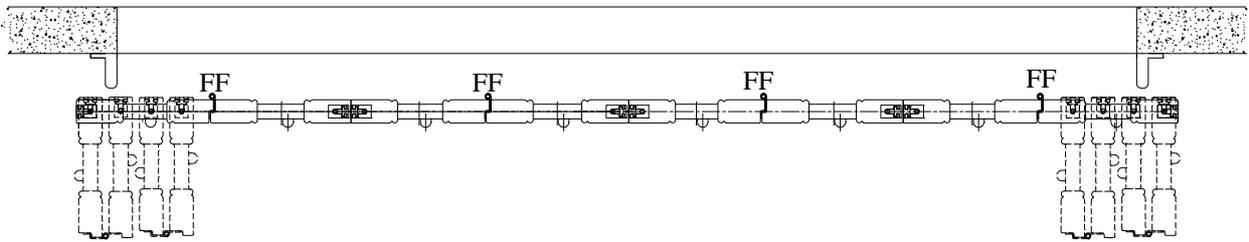
LL or RR



LLRR



90° Floating Panels



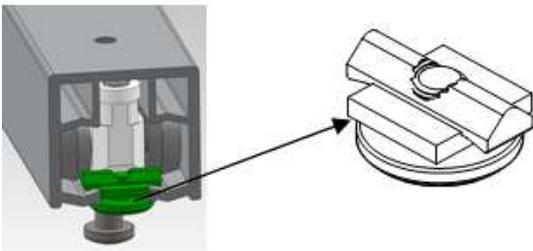
- Two panels can be hinged together, fold and slide to either direction
- Application comes with wheel carrier, spring loaded guide and floor track
- Can be used on large window

Note:

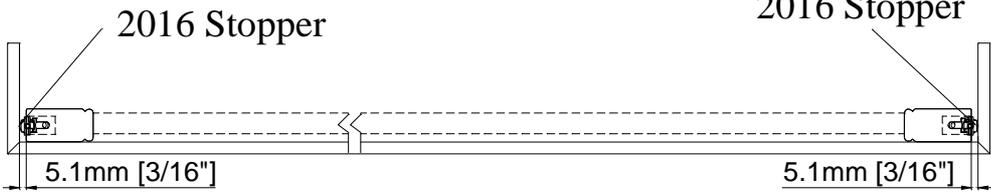
1. For 90° Floating Panels outside mount/semi-inside mount without side boards, the 2016 Stopper will be supplied by default. The gap between the fascia return / end of top track and the panel is 5mm each side.

The 2016 stopper can also be used in the center or any position of the top track as an option.

2016 Stopper

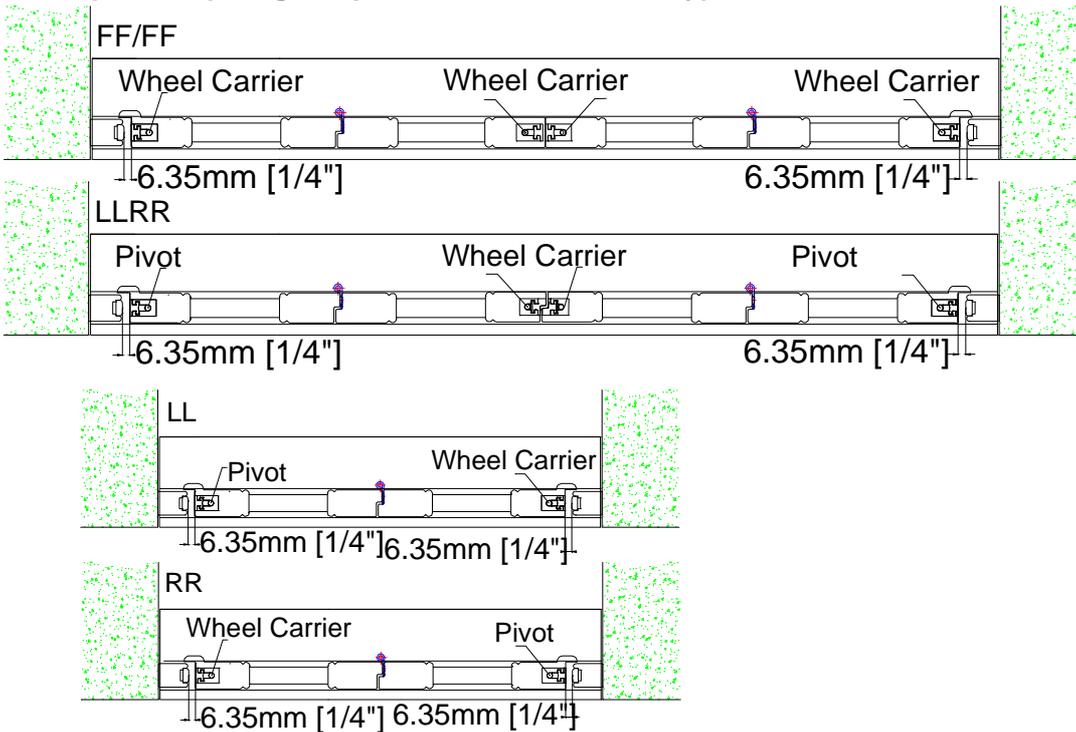


Please see drawing below to show the gap.

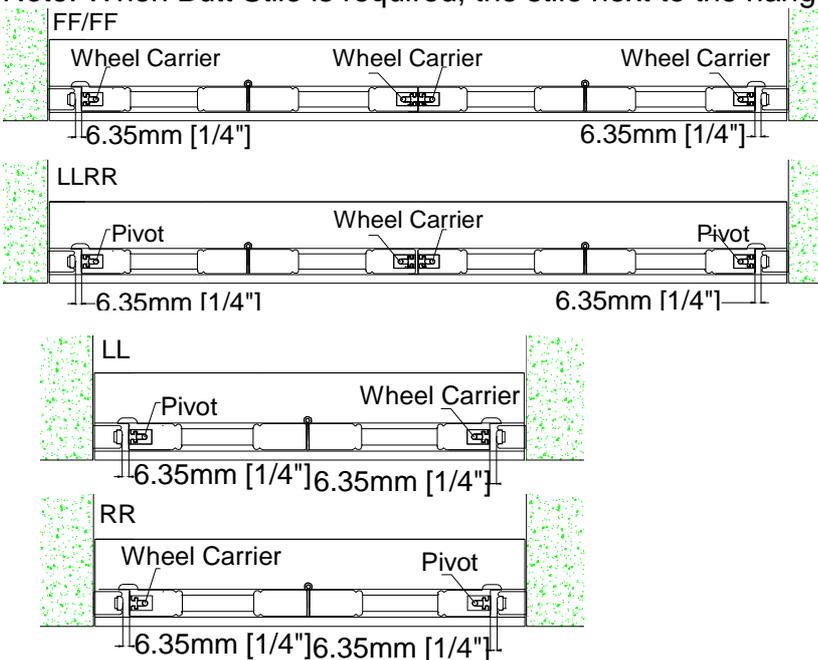


2. When rabbet stile required, the meeting stile of unhinged stile will be butt stile by default.

Optional (Hang Strip for Inside Mount Only)



Note: When Butt Stile is required, the stile next to the hang strip will be astragal stile.



90 degree Bi Fold Track Shutters Framing Materials

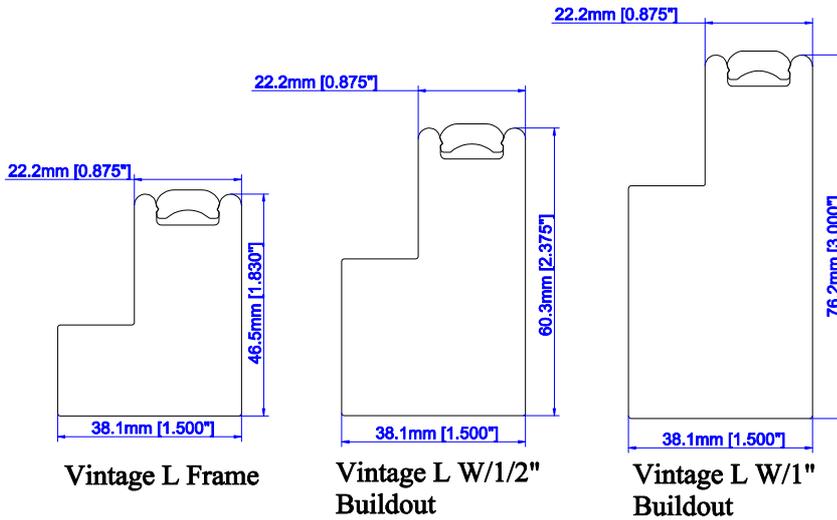
Type		Header Dimension	Top Fascia Dimension	Light Block Strip Dimension	Hang Strip Dimension
Header & Top Fascia & Light Block Strip	OM	3"	3 3/8"	1 9/16"	
		3 1/2"		2 1/16"	
	Semi-IM	3"	5/8"x3/4"	1.08"x0.875"	
	IM	3"	1 7/8"		5/8"x3/4"

Note: It will be L shape light block strip for outside mount.

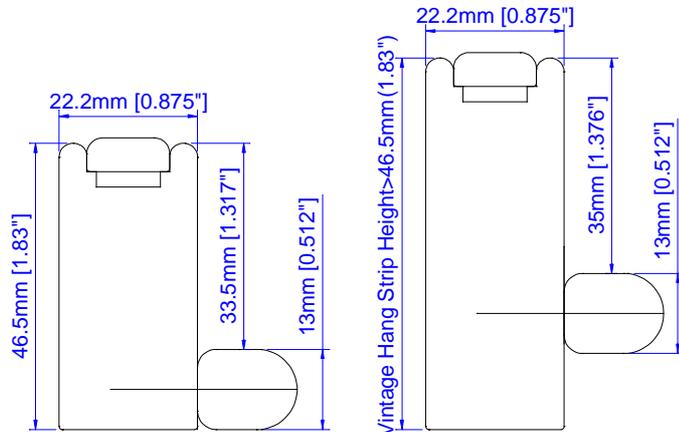
Frame Hinged Bifold

Available Stile: Rabbet Stile Only

Available Frame type

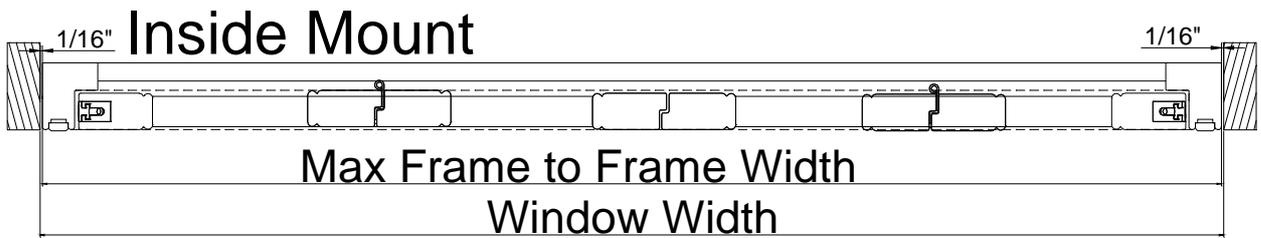
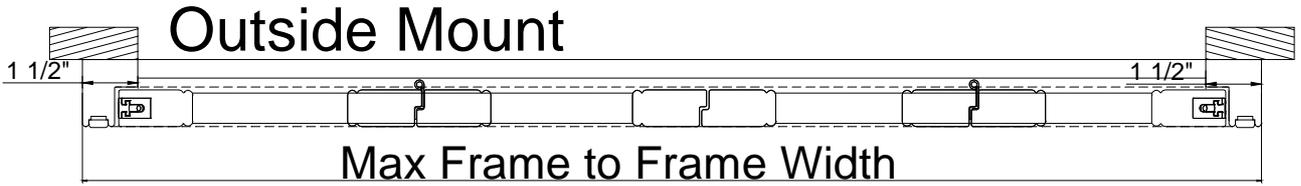


Vintage Hang Strip with 13mm light block: For single direction shutter with even panel qty, the frame on the unhinged side will be Vintage Hang Strip with 13mm [0.512"] light block, the height of the Vintage Hang Strip will match with that of the hinged side frame. The Vintage Hang Strip will be made in wood with surcharge.



Top View

Hinged at Left or Right with wheel assembly at top;

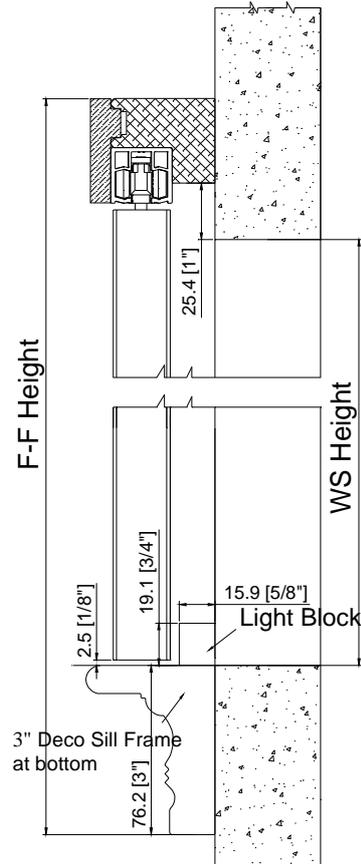
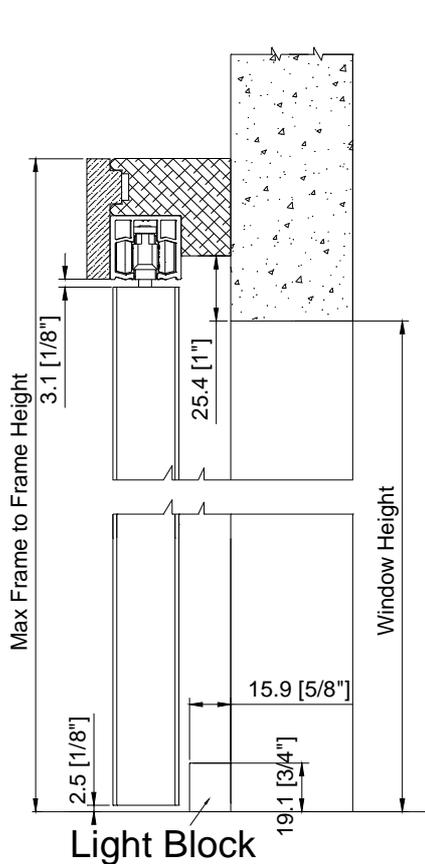


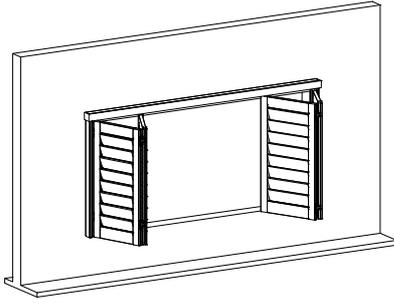
Side View

Outside Mount

3-Sides + bottom light block

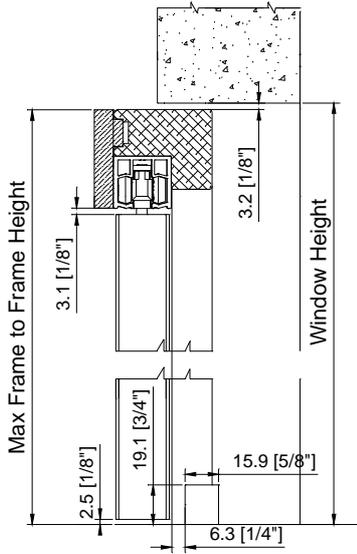
3-Sides + 3" Deco Sill Frame



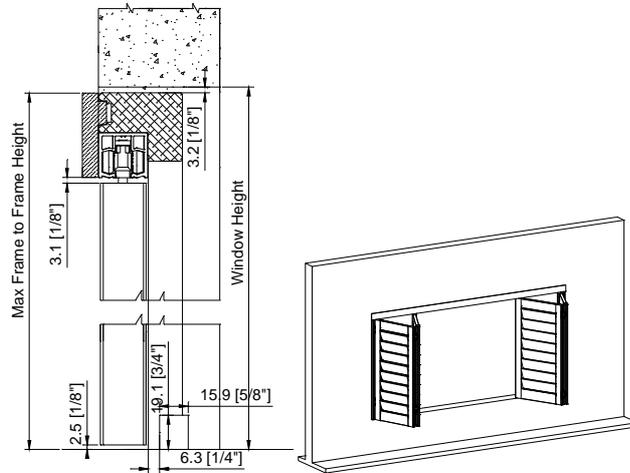


Note: For OM Frame Hinged Bifold shutter not to use as a door, if there is no existing sill at the bottom of the window opening, it is recommended to have the 3" Deco Sill Frame at the bottom.

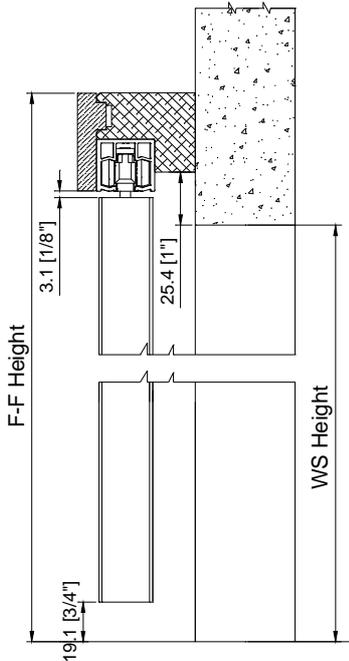
Semi-Inside



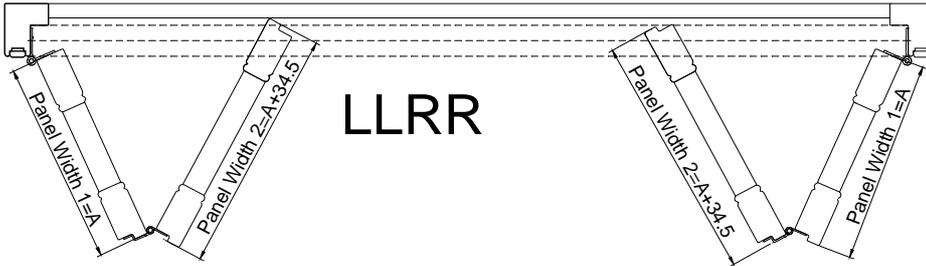
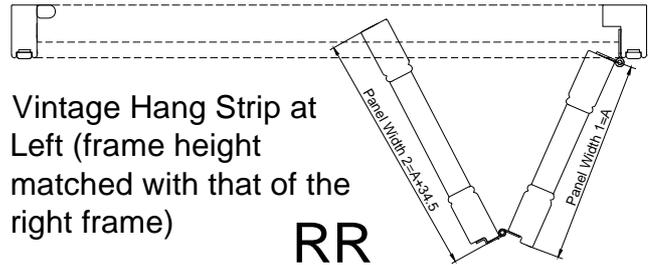
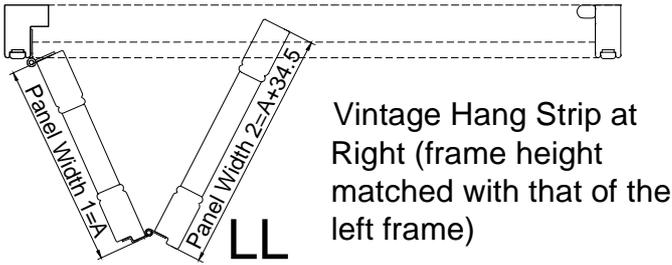
Inside Mount



For frame hinged bifold track shutter used as door, the bottom gap will be 19mm by default. Please specify "Used As Door" on the order form.

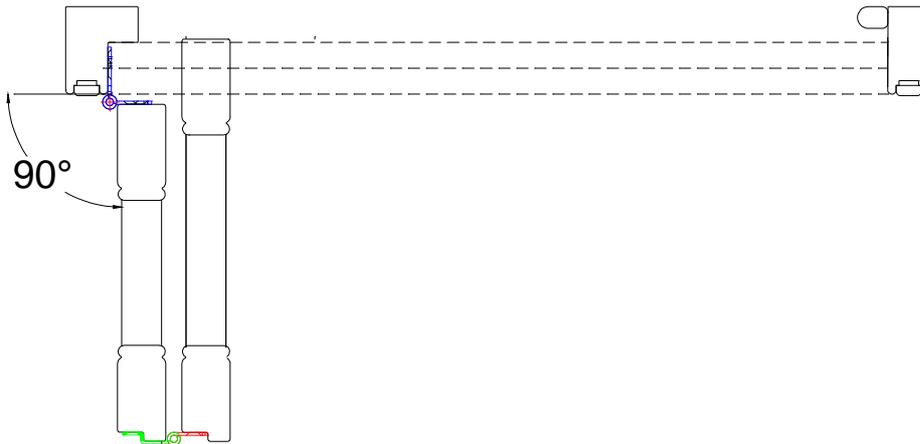


Panel Configuration (uneven panel width)



Notes:

1. Only available for 3-Sides + bottom light block or 3-Sides + 3" Deco Sill Frame (4-sides is not available); Panels can be folded and open at 90 degree;



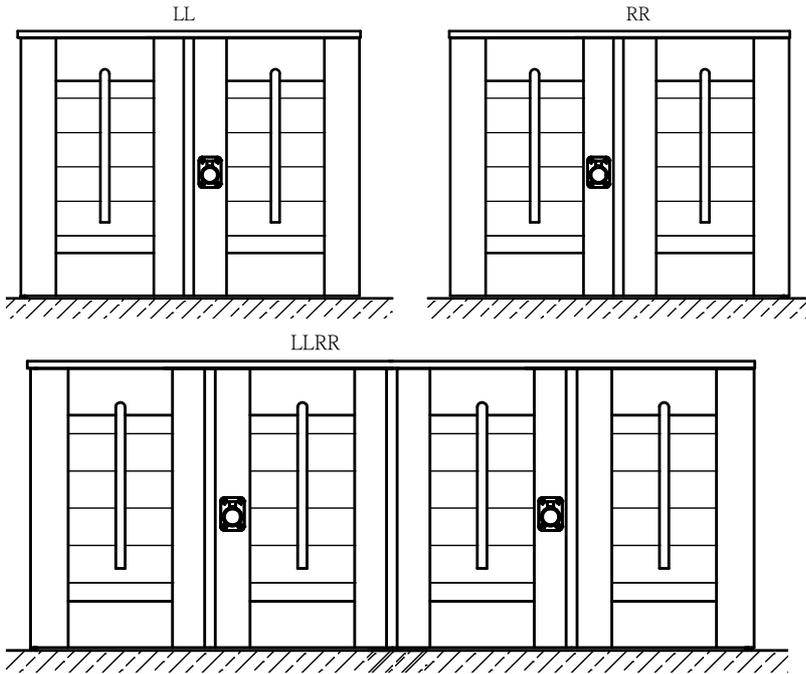
2. Frames available: Only Vintage L Frame

- 1) For top frame, the insert will be replaced by top fascia;
- 2) Top track will be pre-attached to the top frame;
- 3) Frame will be pre-drilled with screw holes same as regular shutters.

Ring Pull: The ring pull will be provided as an option; and for frame hinged bi-fold, the ring pull will be supplied as default; Customer need specify ring pull location on the order form. Ring pull location is measured from the floor to center of the ring pull in height direction.

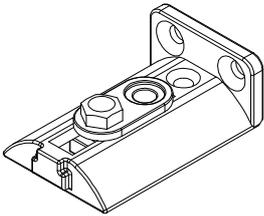
Ring pull color will match the hinge color.

Please refer to below drawing of ring pull position for all shutter type:

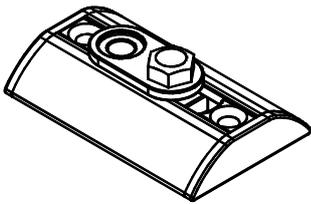


Bottom Pivot Bracket for 90 degree bifold:

For 90° Bifold Track Shutter, there will be 2 types of Bottom Pivot Brackets available.

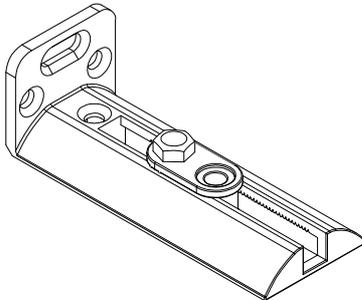


For Inside Mount, Bottom Pivot L Bracket will be supplied as default;



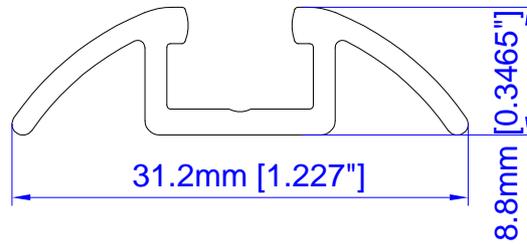
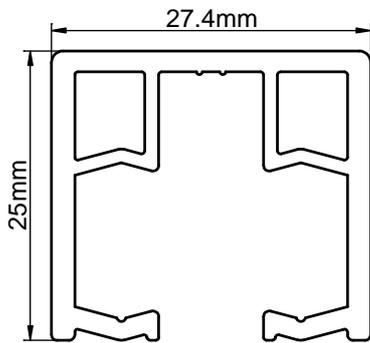
For Semi-Inside or Outside Mount, bottom pivot bracket will be supplied as default.

For 180° Bifold Track Shutter, 81mm Bottom Pivot L Bracket will be supplied as default.



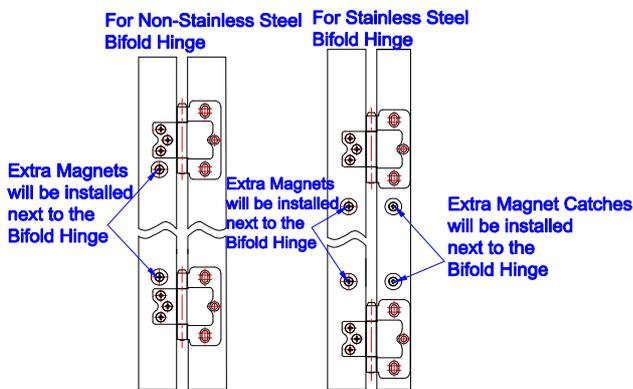
Track Dimension:

Top Track

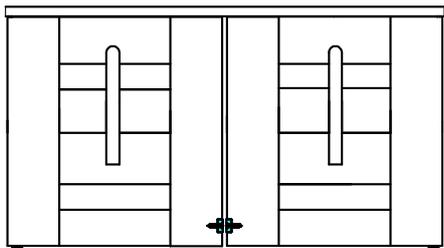


M Shape Bottom Track

Extra Magnets will be supplied for Bifold hinges: (only for the most top and bottom hinges)



Side Magnet: applied to the meeting stiles of LR panels



Extra magnet and Side Magnet

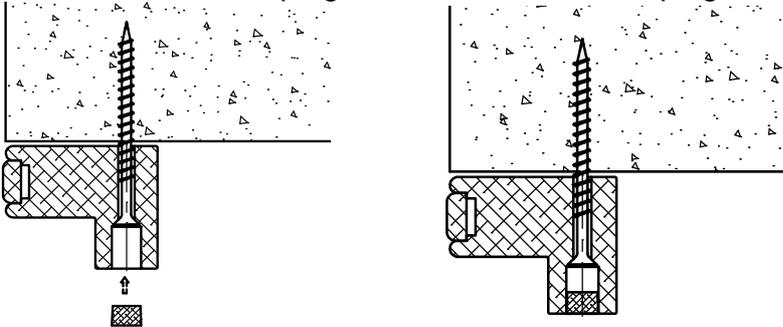


90° Bi Fold Track Shutters Hardware Box

Parts
Wrench
Hinge Pin
Triangle Bracket (based on the length of header)
2" screws for Triangle Bracket
¾" screws for Triangle Bracket
Bottom Pivot Bracket
38.1mm screws for bottom pivot bracket
63.5mm screws for Frame with predrilled screw holes

Notes:

1. for all bifold track shutter Outside Mount, the header will be pre-drilled with screw holes in the insert and screws will be supplied by default;
2. for all bifold track shutter Inside/Semi-Inside Mount, the header will be pre-drilled with holes for screws and wood plug and screws and wood plug will be supplied by default

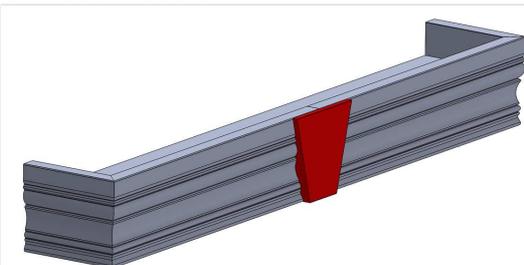


Keystone for Fascia of the Track Shutter

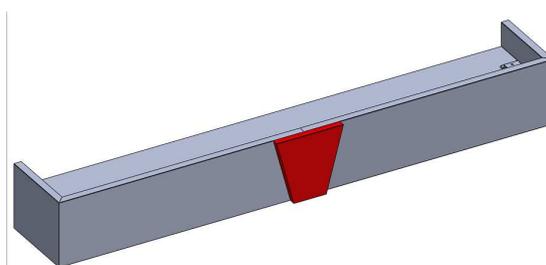
When fascia length exceeds the limitation and needs to split, keystone design fascia will be supplied without surcharge for track shutters.

For fascia length within the split limitation, keystone can also be supplied as an option with surcharge.

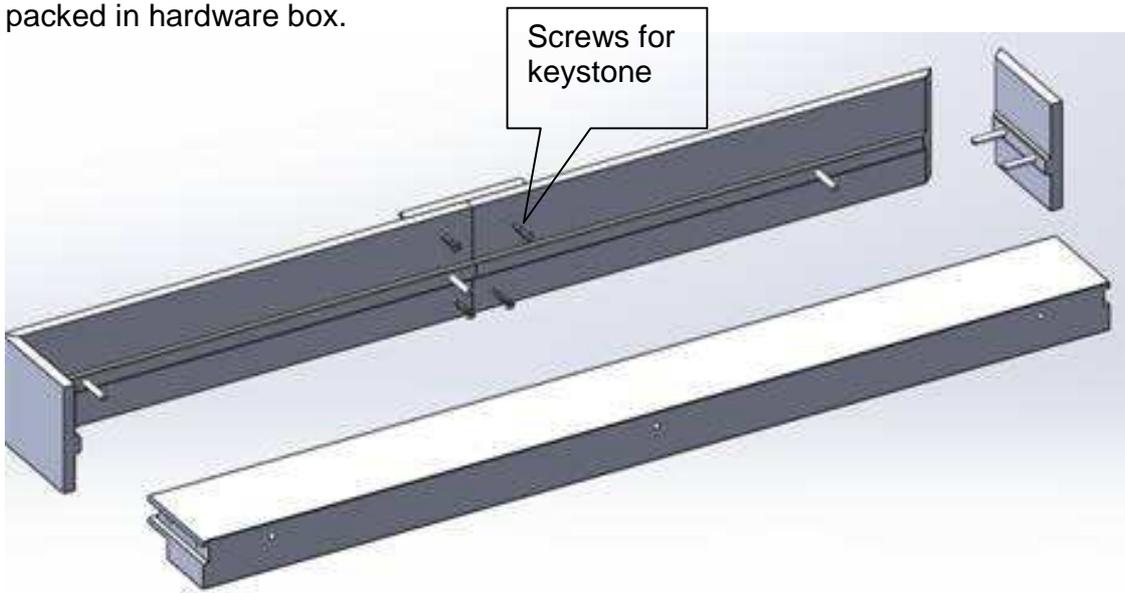
For Deco Fascia:



For Flat Fascia:



The keystone will be installed by screws. We will pre-drill the screw holes and the screws will be packed in hardware box.



Track Shutters—2020 Bypass

Guidelines and Specs:

<u>Description</u>	<u>Minimum</u>	<u>Maximum</u>	
		1 ⁷ / ₈ "	2 ¹ / ₂ "; 3"; 3 ¹ / ₂ "; 4 ¹ / ₂ "
Single-Panel Width (Woodlore)	6"	24"	30"
Single-Panel Height	10"	120"	120"

Outside Mount

Max frame-to-frame width: window width + 3"

Max frame-to-frame height: window height + 4¹/₂"

Semi-Inside Mount

Max frame-to-frame width: window width - 1¹/₈"

Max frame-to-frame height: window height + 1 1¹/₈"

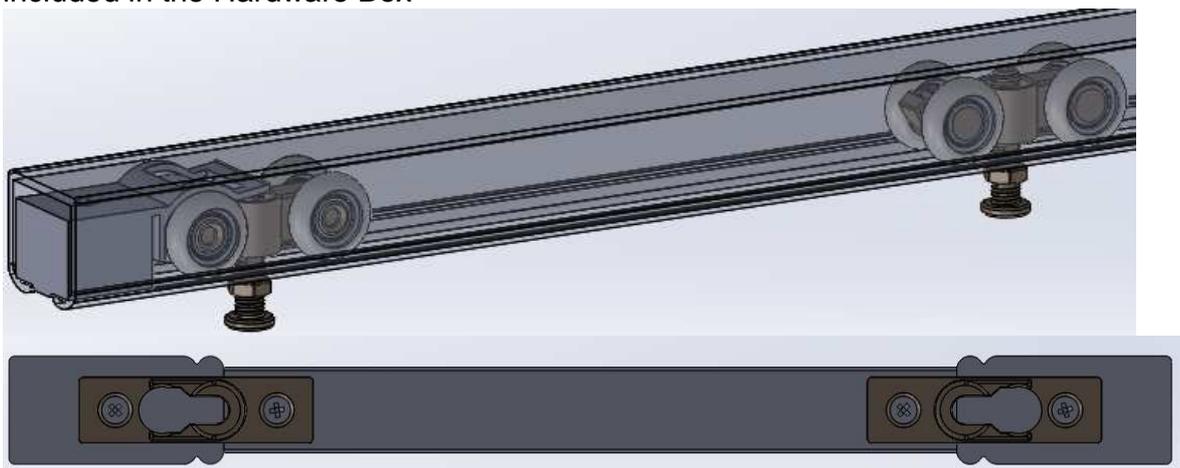
Inside Mount

Max frame-to-frame width: window width - 1¹/₈"

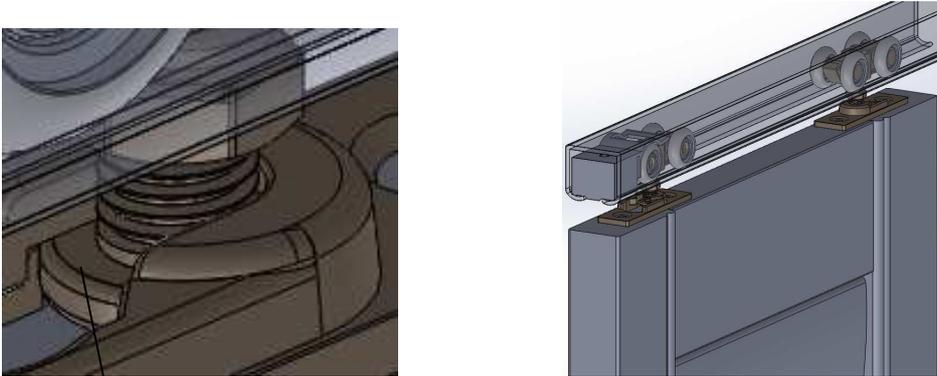
Max frame-to-frame height: window height - 1¹/₈"

Wheel Carriers are in the Track / Wheel Carrier Brackets are on the top of Panel:

Adjustments to panel alignment are made by turning the wheel carrier bolt with the wrench included in the Hardware Box



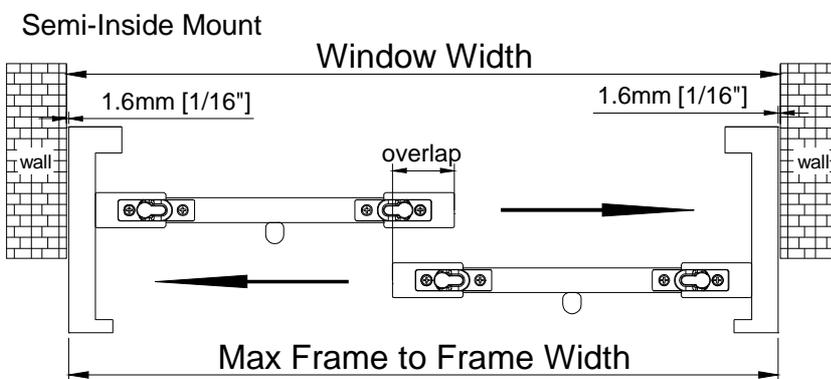
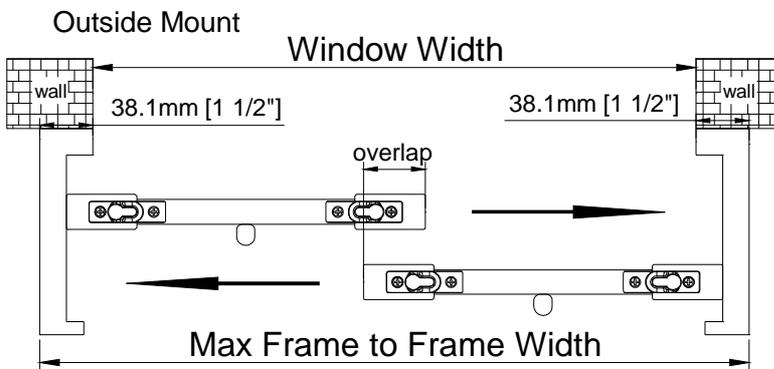
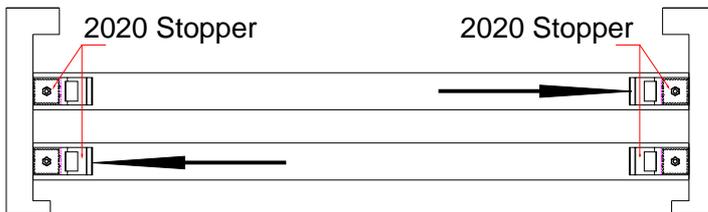
Track Shutters—2020 Bypass



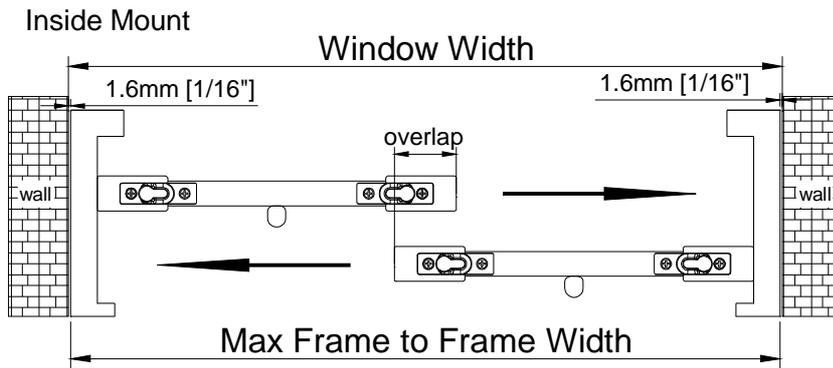
Push wheel carrier into the wheel carrier bracket to seat

Note: 2020 Stopper will be supplied at both ends of top track by default.

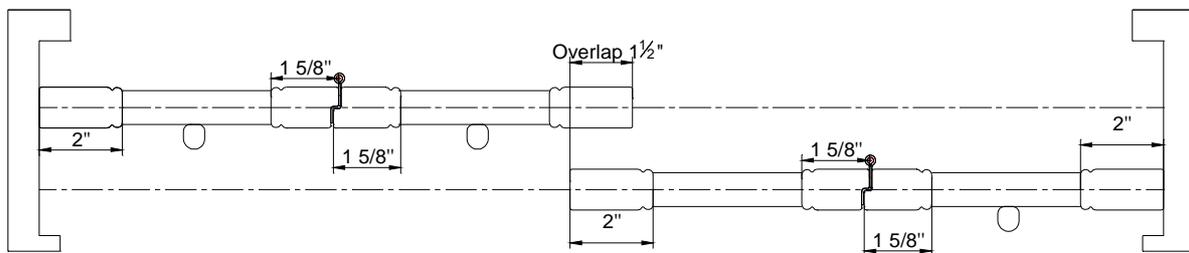
Top View



Track Shutters—2020 Bypass

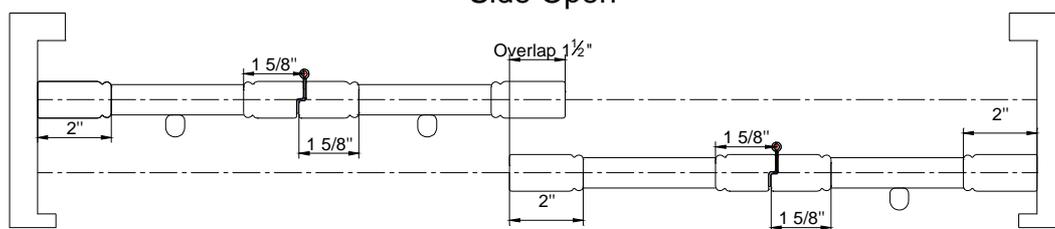


Top View
Combi - joined Panels (optional)

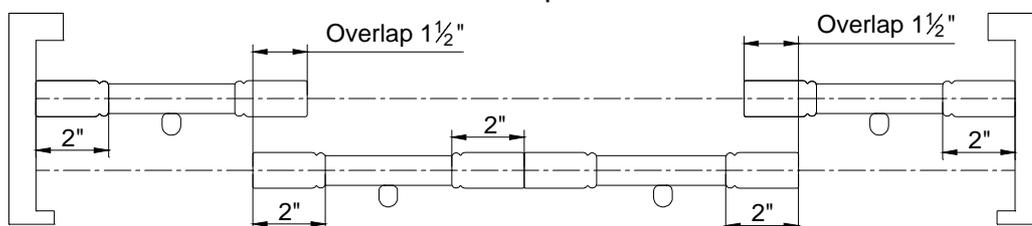


For shutters with 4 or more panels, please select "side open" or "center open"

Side Open

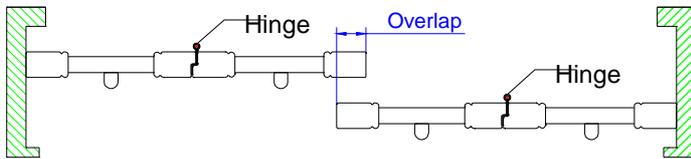


Center Open

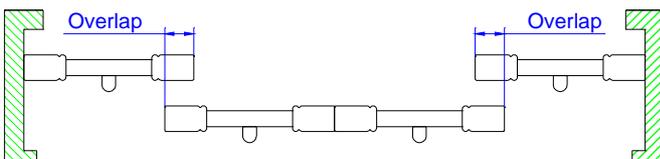


Track Shutters—2020 Bypass

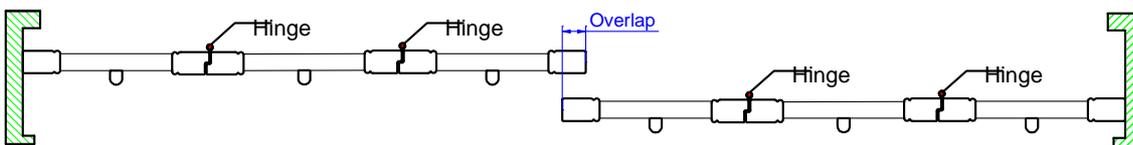
4 panels side open w/Rabbit stile



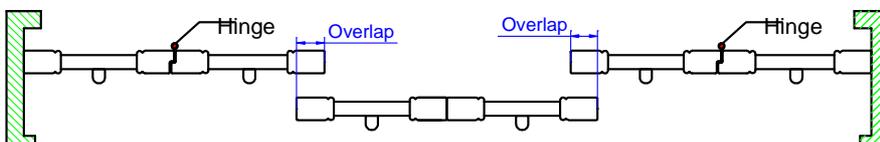
4 panels center open w/Rabbit stile



6 panels side open w/Rabbit stile



6 panels center open w/Rabbit stile

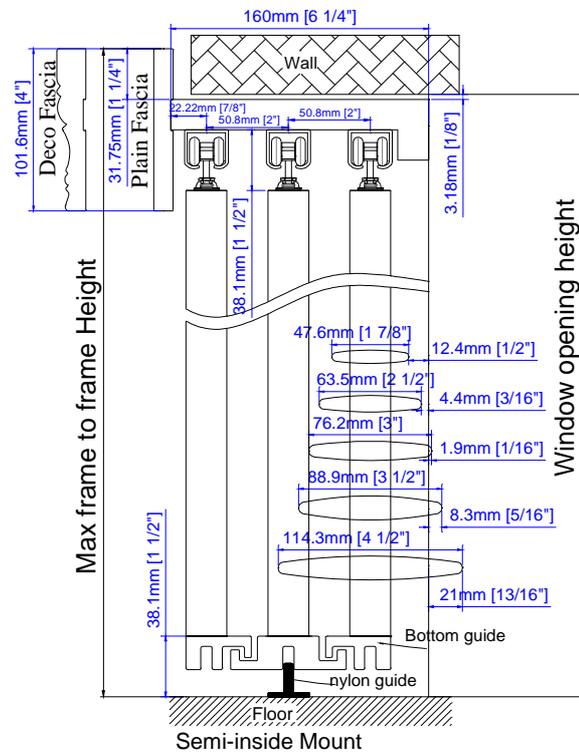
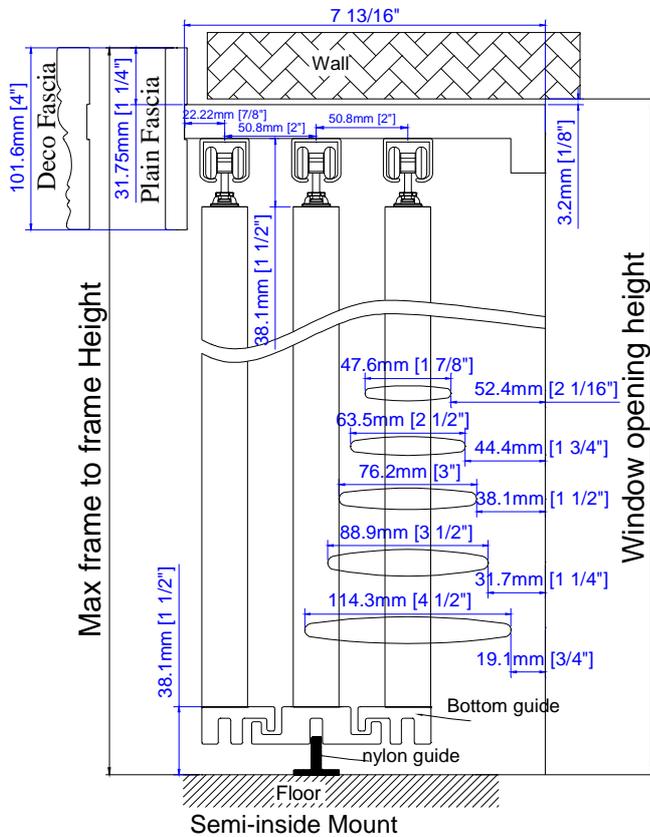
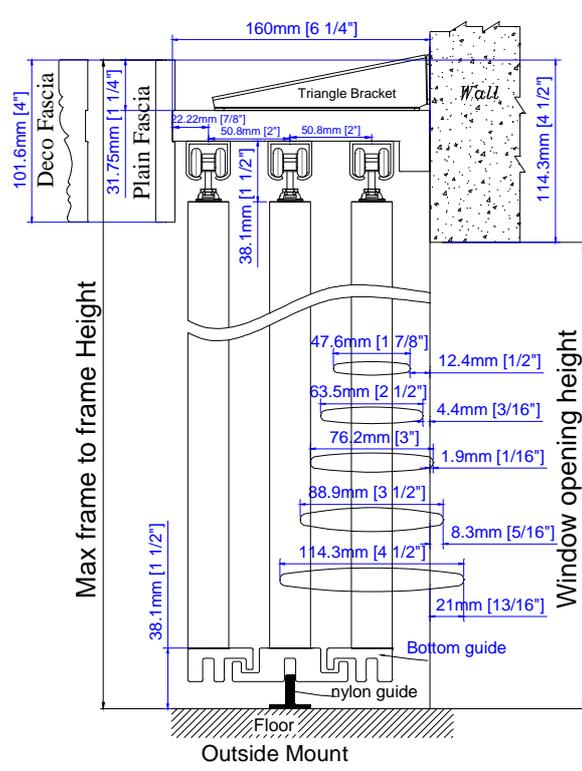
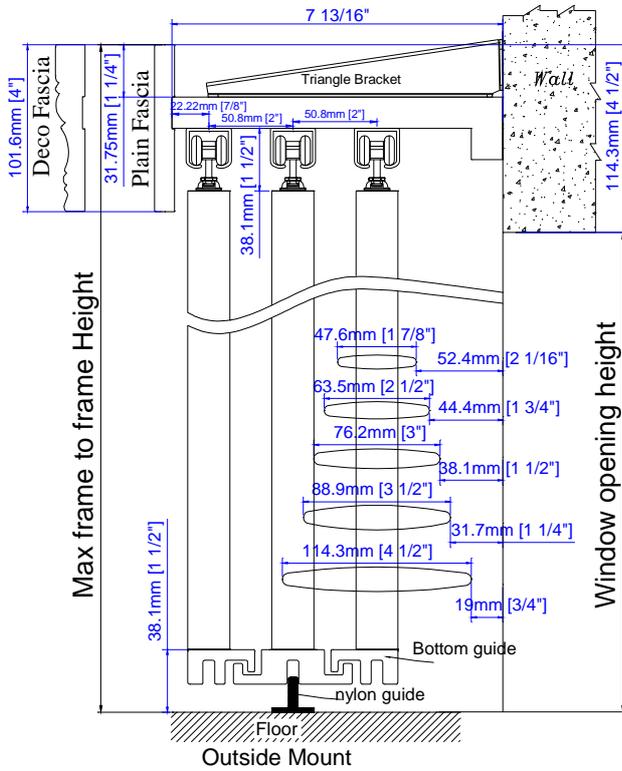


Stile: Only 2", 2 1/4" rabbit stile is available,
 1 5/8" rabbit stile only used for combi-joined panels.
 Center stile is not available.

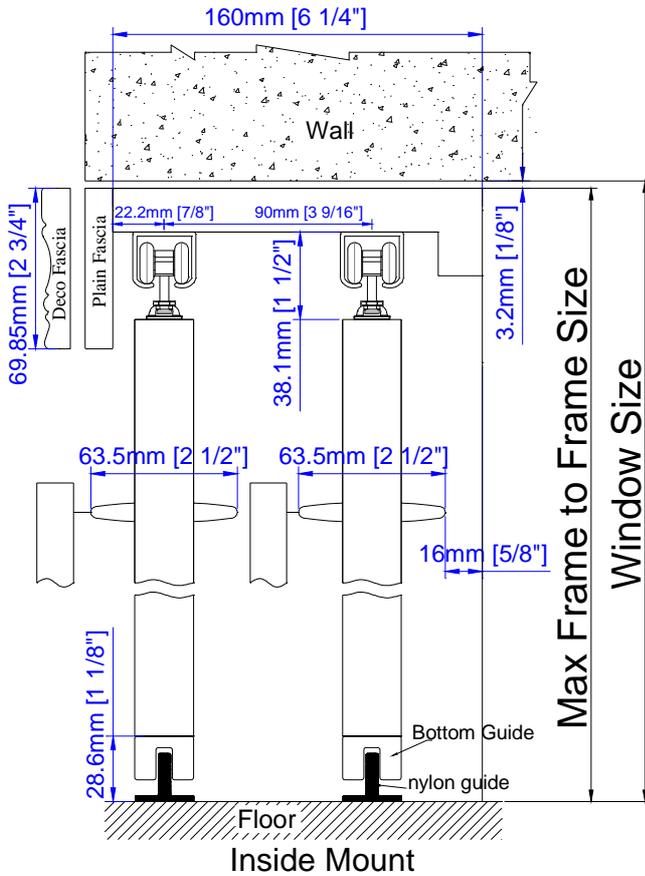
Track Shutters—2020 Bypass



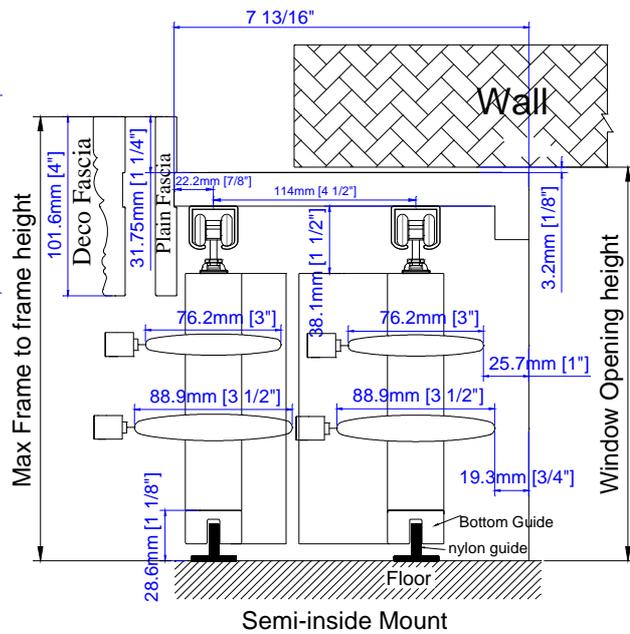
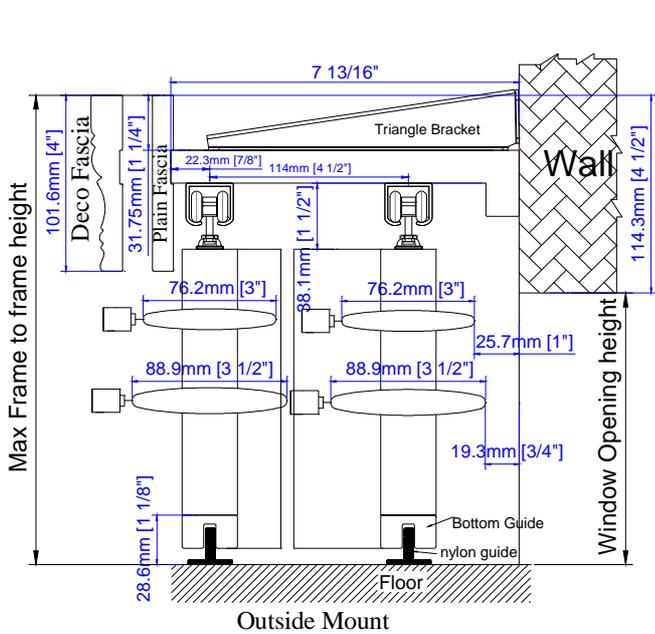
Mounting Options (Closed Bypass with 3 Tracks):



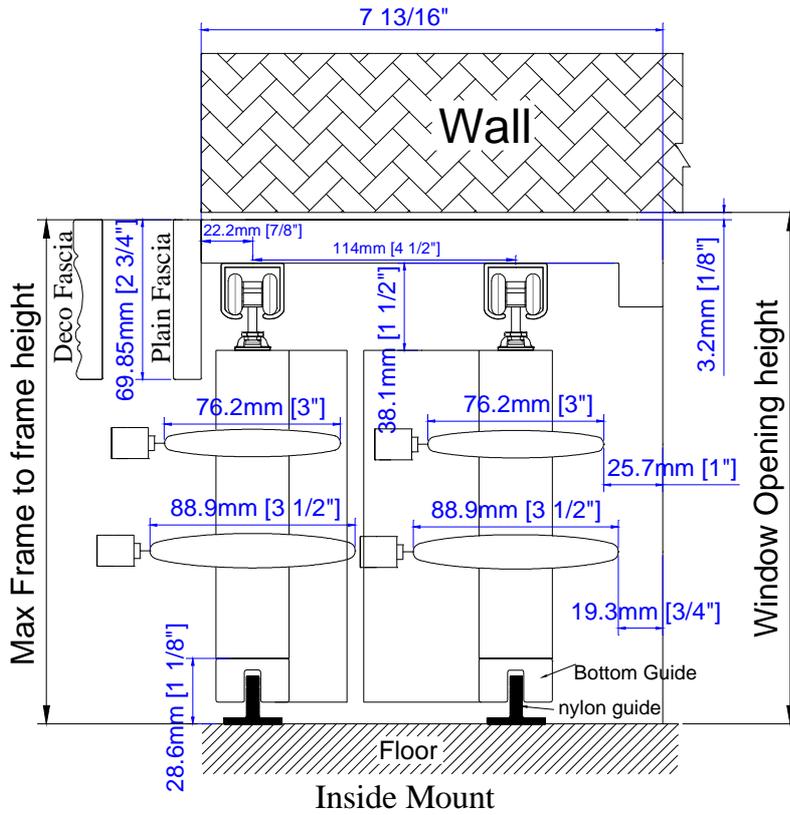
Track Shutters—2020 Bypass



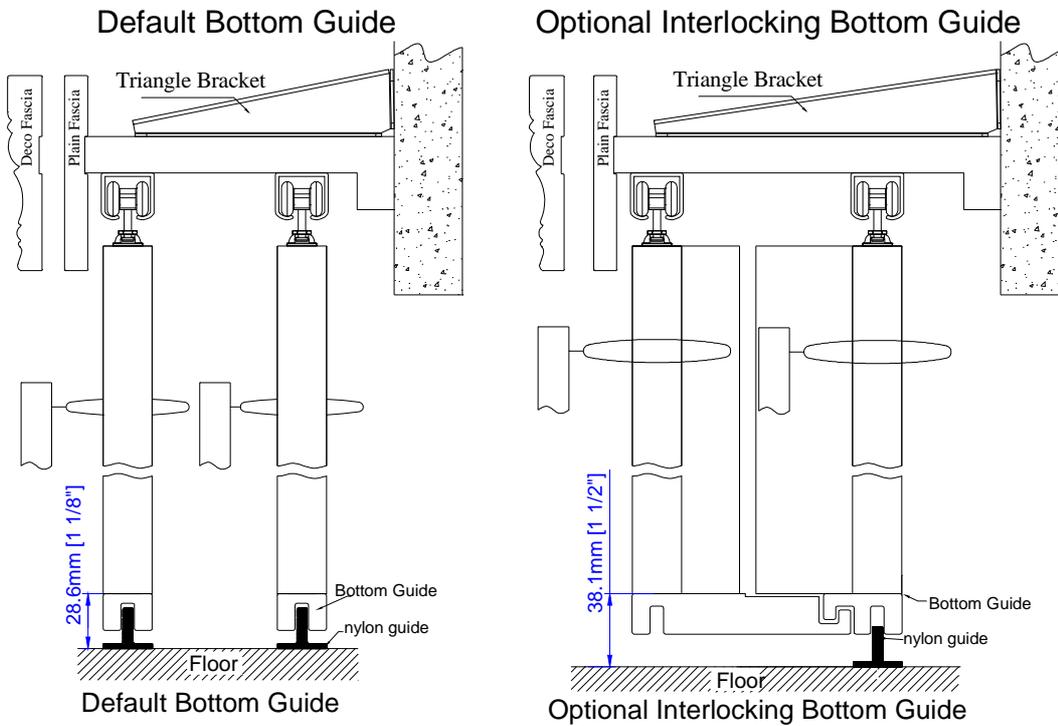
3" / 3 1/2" Louver



Track Shutters—2020 Bypass

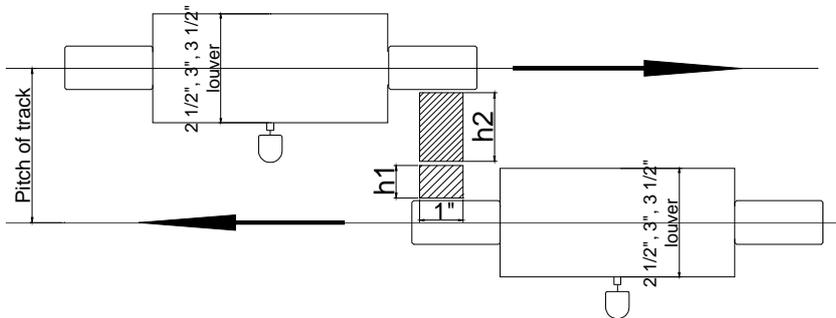


Bottom guide for Open ByPass:

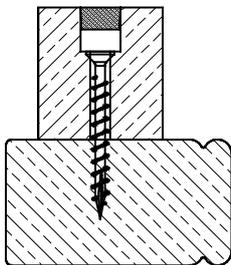


Track Shutters—2020 Bypass

Opened Bypass (Top View)



Note: The light block for open bypass will be changed to use screws with wood plugs instead of current dowels.



Separation of track

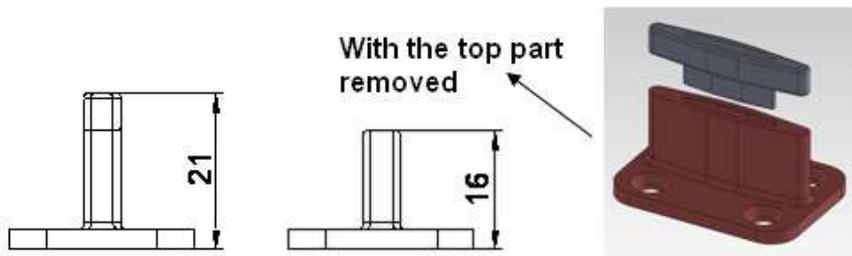
Louver	U shape bottom guide		Interlocking bottom guide	
	Regular Tilt Rod	Invisible tilt	Regular Tilt Rod	Invisible tilt
2.5"	3 9/16"	2 3/4"	3 9/16"	3 9/16"
3" / 3.5"	4 1/2"	3 5/8"	4 1/2"	4 1/2"

Light block thickness for panel

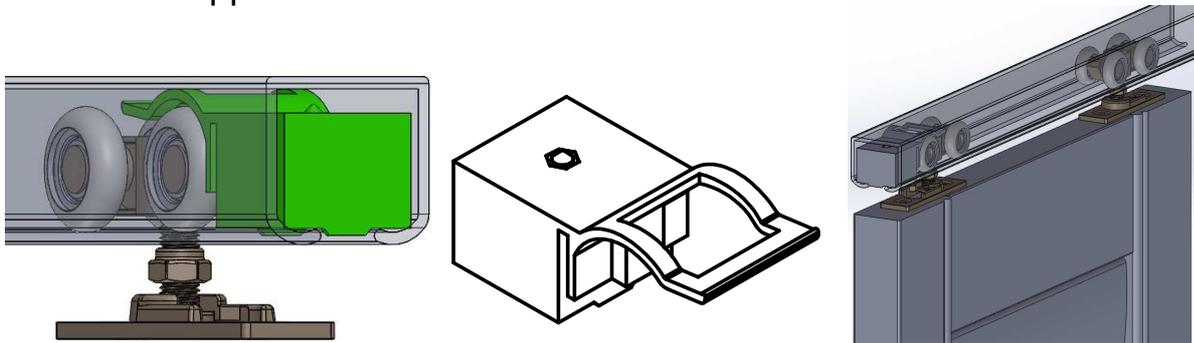
Louver		U shape bottom guide		Interlocking bottom guide	
		Regular Tilt Rod	Invisible tilt	Regular Tilt Rod	Invisible tilt
2.5"	h1	3/4"	3/4"	3/4"	1 9/16"
	h2	1 9/16"	3/4"	1 9/16"	3/4"
3" / 3.5"	h1	1 3/16"	1 3/16"	1 3/16"	1 15/16"
	h2	1 15/16"	1 3/16"	1 15/16"	1 3/16"

Nylon Guide: The nylon guide is composed by 2 parts and will supplied as a whole set by default (bottom part 16mm and top part 5mm), please remove the top part if necessary.

Track Shutters—2020 Bypass

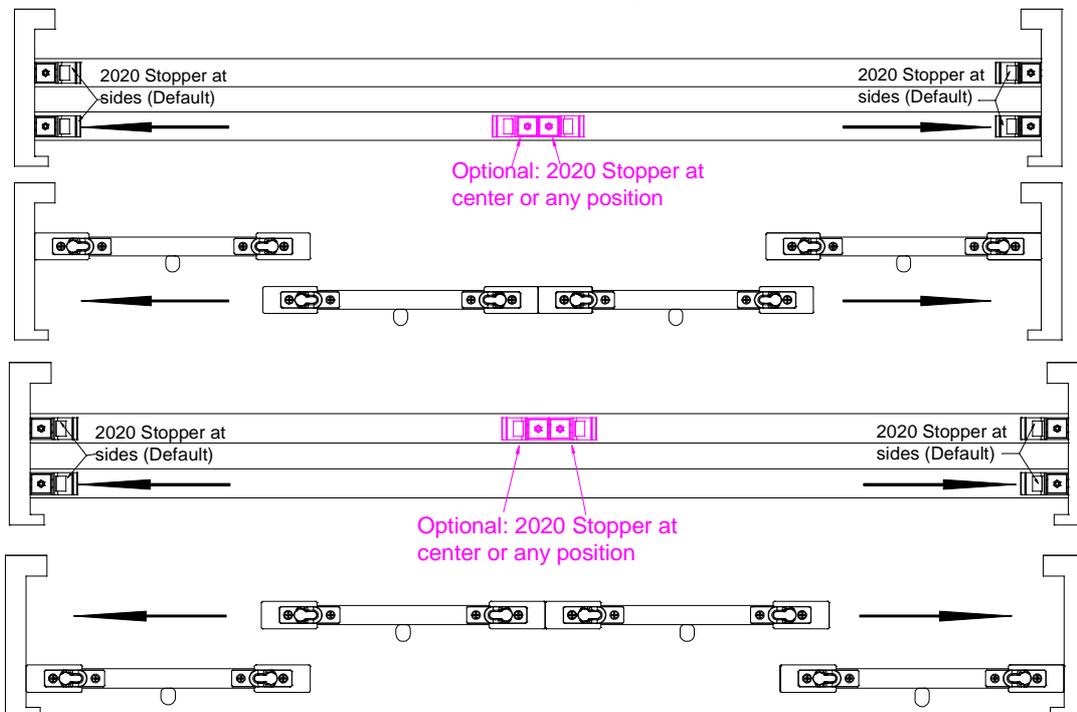


The 2020 Stopper



Note: 2020 Stopper will be supplied at both ends of top track by default.

The 2020 stopper can also be used in the center or any position of the top track as an option. Please specify the actual position when placing an order.



Track Shutters—2020 Bypass



Track Shutters Framing Materials

Framing	Size				Pc(s)
L Shape Header	Header (Closed Bypass)	Header (Opened Bypass)	Supporting Strip		1 pc
(2 in 1)	$\frac{3}{4}$ " x $5\frac{1}{2}$ " (Default for Outside Mount; Optional for Semi-Inside and Inside Mount)	$\frac{3}{4}$ " x $6\frac{1}{4}$ " ($2\frac{1}{2}$ " Louver)	$\frac{3}{4}$ " x $\frac{3}{4}$ "		
Header with Supporting Strip	$\frac{3}{4}$ " x $4\frac{1}{2}$ " (Default for Semi-Inside and Inside Mount; Optional for Outside Mount)	$\frac{3}{4}$ " x $7\frac{13}{16}$ " (3", $3\frac{1}{2}$ " Louver)			
	Custom * ≤ 8 "	Custom * ≤ 8 "			
U Shape Side Frame	Side Frame (Closed Bypass)	Side Frame (Opened Bypass)	Supporting Strip	Side Fascia	2 pcs
(3 in 1)	$\frac{3}{4}$ " x $5\frac{7}{8}$ " (Default for Outside Mount; Optional for Semi-Inside and Inside Mount)	$\frac{3}{4}$ " x $6\frac{5}{8}$ " ($2\frac{1}{2}$ " Louver)	$\frac{3}{4}$ " x $\frac{3}{4}$ "	$\frac{3}{8}$ " x $1\frac{1}{4}$ " "	
Side Frame with Supporting Strip & Side Fascia	$\frac{3}{4}$ " x $4\frac{7}{8}$ " (Default for Semi-Inside and Inside Mount; Optional for Outside Mount)	$\frac{3}{4}$ " x $8\frac{1}{4}$ " (3", $3\frac{1}{2}$ " Louver)			
	Custom * ≤ 8 "	Custom * ≤ 8 "			
Top Fascia (Plain/Deco)	4" (Semi-inside and Outside Mount)				1 pc
	$\frac{1}{2}$ " x $2\frac{3}{4}$ " (Inside Mount)				
Top Fascia Return	4" (Semi-inside and Outside Mount)				2 pcs
	N/A (Inside Mount)				

Note:

- When the header size is $4\frac{1}{2}$ "*, $5\frac{1}{2}$ "*, $6\frac{1}{4}$ "* or $7\frac{13}{16}$ "*, the L Shape header and the U Shape Side Frame will be sent integrally. That is:
 1. The header and the supporting strip will be sent integrally as L Shape Header;

Track Shutters—2020 Bypass

2. The side frame, supporting strip and the side fascia will be sent integrally as U Shape Side Frame.
 - For any custom header sizes other than 4½", 5½", 6¼" or 7¹³/₁₆", the L Shape Header and the U Shape Side Frame will be sent separately. That is:
 1. The header and the supporting strip will be sent separately for L Shape Header;
 2. The side frame, supporting strip and the side fascia will be sent separately for U Shape Side Frame.
 - Custom Boxout Width is available for both closed and opened bypass shutters.

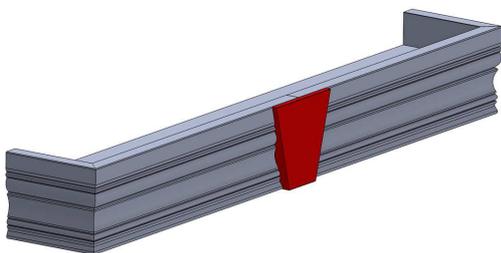
Hardware Box
Part
Wrench
Nylon Guide
¾ " screws for Nylon Guide
Triangle Bracket (based on the length of header)
2" screws for Triangle bracket
¾" screws for Triangle bracket

Keystone for Fascia of the Track Shutter

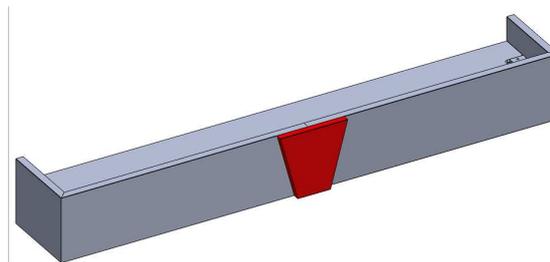
When fascia length exceeds the limitation and needs to split, keystone design fascia will be supplied without surcharge for track shutters.

For fascia length within the split limitation, keystone can also be supplied as an option with surcharge.

For Deco Fascia:

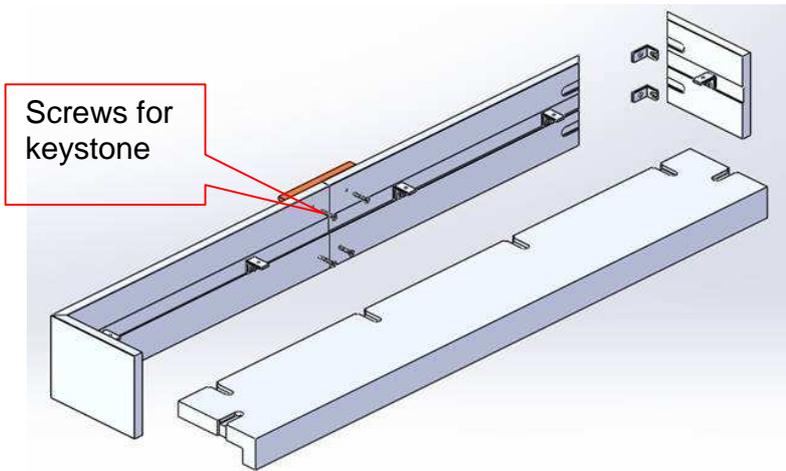


For Plain Fascia:



The keystone will be installed by screws. We will pre-drill the screw holes and the screws will be packed in hardware box.

Track Shutters—2020 Bypass

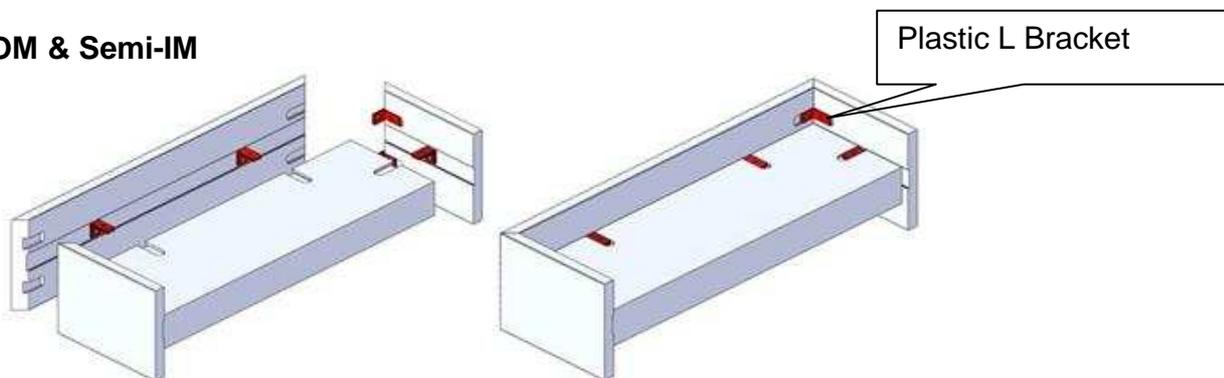


Plastic L Bracket to Connect the Header, Fascia & Fascia Returns

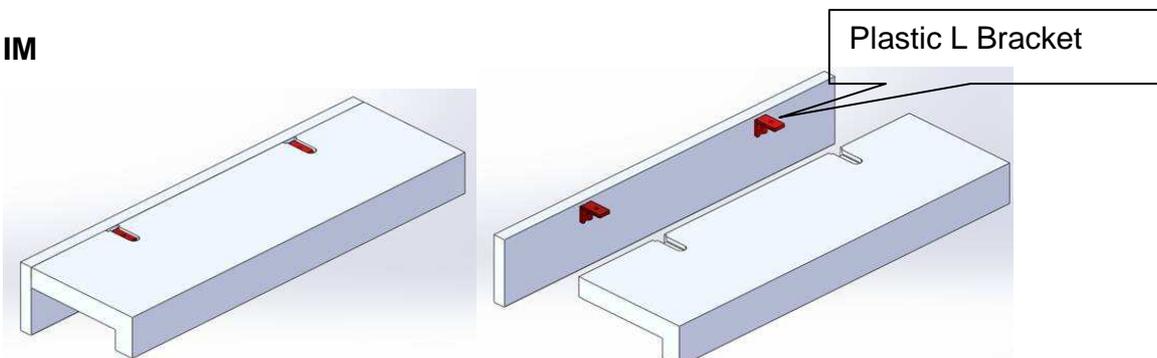


L Bracket will be used to connect the header, fascia and fascia returns for Bypass shutter. This applies for Inside Mount, Semi-Inside Mount & Outside Mount.

OM & Semi-IM



IM

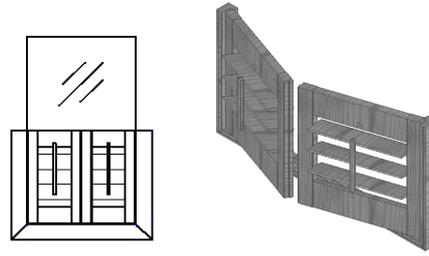


Special Options

Woodlore® Shutters

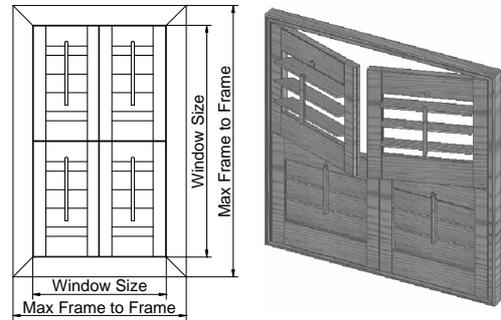
Café Shutters*

- The top of the panel requires a special finish. Please indicate “café shutter” when placing orders.
- The shutter does not come with recessed magnet on top.
- When the height of the framing material (including t-posts) exceeds the panel height, by more than 5", a surcharge will apply.

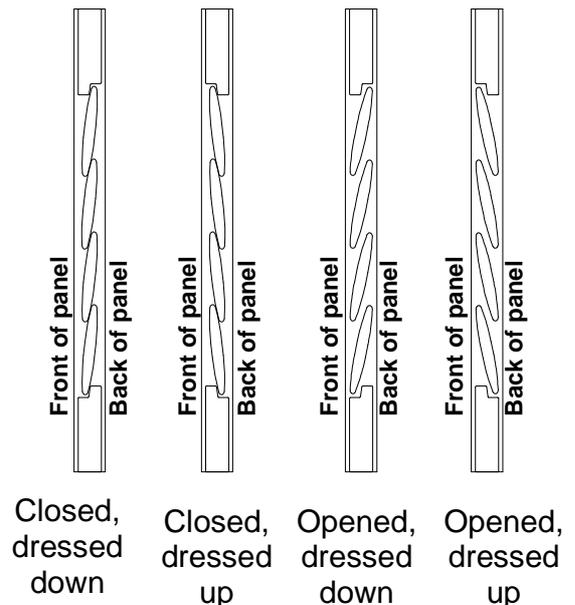
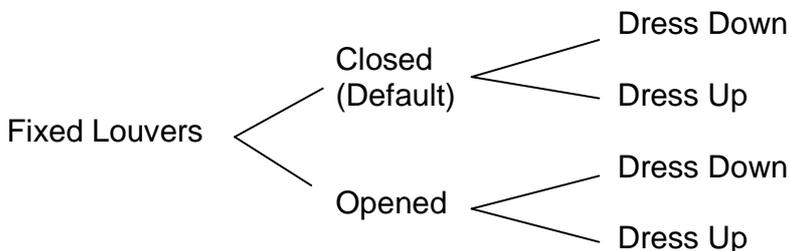


Double-Hung Shutters*

- For total number of panels, please include panels in both rows.
- Bifold panel is not available under this option.
- For panel configuration, please provide panel fold for one row.
- The default location for the division point is the center unless specified otherwise.
- Horizontal T Post* can be added for increased structural integrity.
- Warranty needs to be waived for the horizontal T post length exceeds 48".
- For Double Hung shutter, whenever an upper or lower panel is larger than 78", we will add one more extra hinge for it, we will also attempt to create larger top/bottom rails for additional strength by reducing the number of louvers by one as long as the rail sizes remain within spec.



Fixed Louvers



*Some surcharges apply

Pricing

1) By Max Frame-to-Frame Measurement:						
Regular Shutter						
Inside and Outside Mount	Width	x	Height	/ 144	x	\$/sq ft
Track Shutter**						
Inside	Width	x	Height	/ 144	x	\$/sq ft
Semi-Inside and Outside Mount	Width	x	(Height-1½")	/ 144	x	\$/sq ft
2) By Net Panel Measurement:						
	Width	x	Height	/ 144	x	\$/sq ft
3) By Window Size:						
2" Camber Deco Frame 2" Classic Deco Frame	4-sided	(Width+4")	x	(Height+4")	/ 144	x \$/sq ft
	3-sided with Sill Plate	(Width+4")	x	(Height+4")	/ 144	x \$/sq ft
	3-sided	(Width+4")	x	(Height+2")	/ 144	x \$/sq ft
	2 sided with Sill Plate	(Width+4")	x	(Height+2")	/ 144	x \$/sq ft
	2-sided	(Width+4")	x	(Height)	/ 144	x \$/sq ft
3" Ridge Deco Frame	4-sided	(Width+6")	x	(Height+6")	/ 144	x \$/sq ft
	3-sided with Sill Plate	(Width+6")	x	(Height+6")	/ 144	x \$/sq ft
	3-sided	(Width+6")	x	(Height+3")	/ 144	x \$/sq ft
	2-sided with Sill Plate	(Width+6")	x	(Height+3")	/ 144	x \$/sq ft
	2-sided	(Width+6")	x	(Height)	/ 144	x \$/sq ft
2.5" Mission deco frame	4-sided	(Width+5")	x	(Height+5")	/ 144	x \$/sq ft
	3-sided	(Width+5")	x	(Height+2.5")	/ 144	x \$/sq ft
	2-sided	(Width+5")	x	(Height)	/ 144	x \$/sq ft
3" Crown Z Frame	4-sided	(Width+4 ½")	x	(Height+4½")	/ 144	x \$/sq ft
	3-sided with Sill Plate	(Width+4 ½")	x	(Height+4½")	/ 144	x \$/sq ft
	3-sided	(Width+4 ½")	x	(Height+2¼")	/ 144	x \$/sq ft
	2-sided with Sill Plate	(Width+4 ½")	x	(Height+2¼")	/ 144	x \$/sq ft
	2-sided	(Width+4 ½")	x	(Height)	/ 144	x \$/sq ft

Pricing

2" Bel Air Z Frame 2" Bullnose Z Frame	4-sided	(Width+2 ½")	x	(Height+2½")	/ 144	x	\$/sq ft
	3-sided with Sill Plate	(Width+2 ½")	x	(Height+2½")	/ 144	x	\$/sq ft
	3-sided	(Width+2 ½")	x	(Height+1¼")	/ 144	x	\$/sq ft
	2-sided with Sill Plate	(Width+2 ½")	x	(Height+1¼")	/ 144	x	\$/sq ft
	2-sided	(Width+2 ½")	x	(Height)	/ 144	x	\$/sq ft
1.5" Bullnose Z Frame 1 ¼ " Beaded Z Frame/ Bullnose Tilt Out Z Frame	4-sided	(Width+2")	x	(Height+2")	/ 144	x	\$/sq ft
	3-sided with Sill Plate (N/A w/ Tilt out Z)	(Width+2")	x	(Height+2")	/ 144	x	\$/sq ft
	3-sided	(Width+2")	x	(Height+1")	/ 144	x	\$/sq ft
	2-sided with Sill Plate (N/A w/ Tilt out Z)	(Width+2")	X	(Height+1")	/ 144	X	\$/sq ft
	2-sided	(Width+2")	x	(Height)	/ 144	x	\$/sq ft
Vintage Hang Strip	Inside	Width	x	Height	/ 144	x	\$/sq ft
	Outside 4-sided	(Width+3")	x	(Height+3")	/ 144	x	\$/sq ft
	Outside 3-sided	(Width+3")	x	(Height+1½")	/ 144	x	\$/sq ft
	Outside 2-sided	(Width+3")	x	(Height)	/ 144	x	\$/sq ft
Vintage L Frame Beaded L Frame	Outside 4-sided	(Width+3")	x	(Height+3")	/ 144	x	\$/sq ft
	Outside 3-sided	(Width+3")	x	(Height+1½")	/ 144	x	\$/sq ft
	Outside 2-sided	(Width+3")	x	(Height)	/ 144	x	\$/sq ft
Track Shutter**							
Inside and Semi-Inside Mount		Width	x	Height	/144	x	\$/sq ft
Outside Mount		(Width+3")	x	(Height+3")	/144	x	\$/sq ft