



V 03.12.19
IMPERIAL

WOODFOLD ALUMINUM SHUTTERS

PRODUCT KNOWLEDGE & ORDERING GUIDE

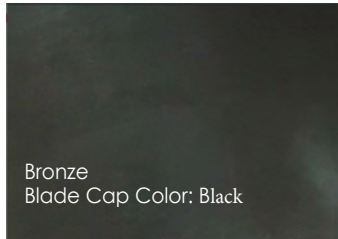
01



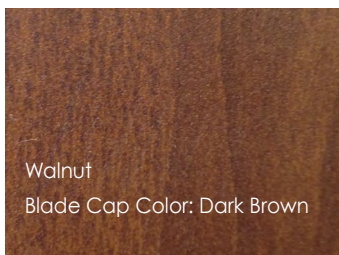
COLOR OPTIONS

There are three standard powder coat finishes along with one wood grain powdercoat which offers the look of the traditional timber shutter, with the durability of aluminum.

Standard Finishes



Premium Finishes



CUSTOM COLOR FINISH

Choose only from over 150 colors from the Sherwin Williams RAL collection which offers TGIC free polyester powder coatings formulated for superior weatherability.

Select a Blade Stay cap color to compliment the custom color chosen - black, dark brown, light brown, off white, silver or white.

RAL 1001	RAL 1005	RAL 3001	RAL 4001	RAL 5010	RAL 6004	RAL 6022	RAL 7010	RAL 7036	RAL 8016
RAL 1001	RAL 1024	RAL 3002	RAL 4002	RAL 5011	RAL 6005	RAL 6024	RAL 7011	RAL 7039	RAL 8016
RAL 1005	RAL 1027	RAL 3003	RAL 4003	RAL 5012	RAL 6006	RAL 6025	RAL 7012	RAL 7040	RAL 8017
RAL 1009	RAL 1028	RAL 3004	RAL 4004	RAL 5013	RAL 6007	RAL 6026	RAL 7013	RAL 7042	RAL 8018
RAL 1004	RAL 1032	RAL 3005	RAL 4005	RAL 5014	RAL 6008	RAL 6027	RAL 7015	RAL 7043	RAL 8022
RAL 1006	RAL 1033	RAL 3007	RAL 4006	RAL 5015	RAL 6009	RAL 6028	RAL 7016	RAL 7044	RAL 8023
RAL 1005	RAL 1034	RAL 3009	RAL 4007	RAL 5017	RAL 6010	RAL 6029	RAL 7021	RAL 7045	RAL 8024
RAL 1007	RAL 1037	RAL 3011	RAL 4008	RAL 5019	RAL 6011	RAL 6032	RAL 7022	RAL 7046	RAL 8025
RAL 1011	RAL 3000	RAL 3012	RAL 4009	RAL 5019	RAL 6012	RAL 6033	RAL 7023	RAL 7047	RAL 8026
RAL 1012	RAL 2001	RAL 3013	RAL 4010	RAL 5020	RAL 6013	RAL 6034	RAL 7024	RAL 8000	RAL 9001
	RAL 2002	RAL 3014	RAL 5000	RAL 5021	RAL 6014	RAL 7000	RAL 7006	RAL 8001	RAL 9002
RAL 1014	RAL 2003	RAL 3015	RAL 5001	RAL 5022	RAL 6015	RAL 7001	RAL 7030	RAL 8002	RAL 9003
RAL 1018	RAL 2004	RAL 3016	RAL 5002	RAL 5023	RAL 6016	RAL 7002	RAL 7031	RAL 8003	RAL 9004
RAL 1016	RAL 2008	RAL 3017	RAL 5003	RAL 5024	RAL 6017	RAL 7003	RAL 7032	RAL 8004	RAL 9005
RAL 1017	RAL 2009	RAL 3018	RAL 5004	RAL 6000	RAL 6018	RAL 7004	RAL 7033	RAL 8007	RAL 9010
RAL 1018	RAL 2010	RAL 3020	RAL 5005	RAL 6001	RAL 6019	RAL 7005	RAL 7034	RAL 8008	RAL 9011
RAL 1019	RAL 2011	RAL 3022	RAL 5007	RAL 6002	RAL 6020	RAL 7006	RAL 7035	RAL 8011	RAL 9016
RAL 1020	RAL 2012	RAL 3027	RAL 5008	RAL 6003	RAL 6021	RAL 7008	RAL 7036	RAL 8012	RAL 9017
RAL 1022	RAL 3000	RAL 3031	RAL 5009						

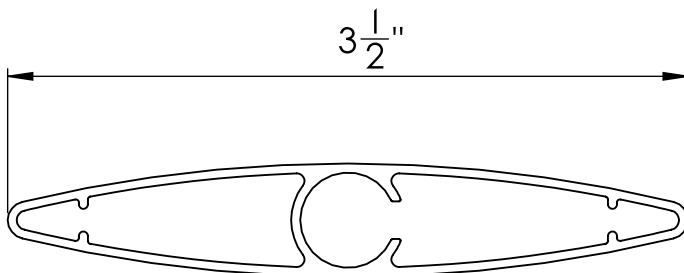
Slight color deviations may be expected due to the printing process.

IMPORTANT NOTE:

Blade end caps are only available in the standard colors. When placing an order, select the best match from the following options - Black, Dark Brown, Light Brown, Off White, Silver and White for your custom color selection.

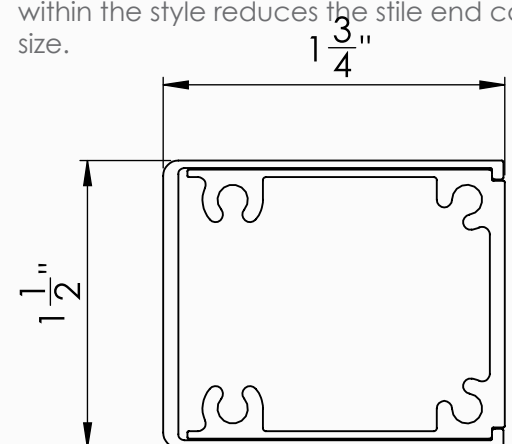
BLADE

Available in a 3 1/2" hollow aluminum extruded blade with a design load of 70 lbs per sqft and wind rating of up to 50 lbs per sqft as is qualified by the Dade County criteria.



STILE

With a industry standard small style resulting in minimal stacking when shutters are side-by-side in an opening. The unique double stile incases the rack and pinion mechanisms with no external fixings. A rod within the stile reduces the stile end cap size.

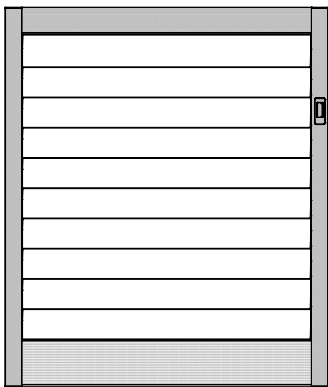


BLADE STAY

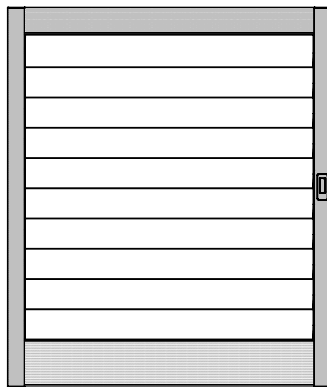
The Blade Stay is a unique feature of the shutter and offers customers the flexibility to choose the angle of the blades and lock them in a position. It is able to stop external forces from manipulating the blade position by engaging the internal rack offering both security and protection.

The Blade Stay can be in one of three positions of your choice - top, center or bottom. For those panels that require a mid-rail, a Blade Stay is required both above and below the mid-rail. The blade stay is positioned three blades down from the top, or three blades up from the bottom of the panel. The Blade Stay position is determined by the panel configuration chosen for all installation methods except Hinged in Frame and Hinged No Frame.

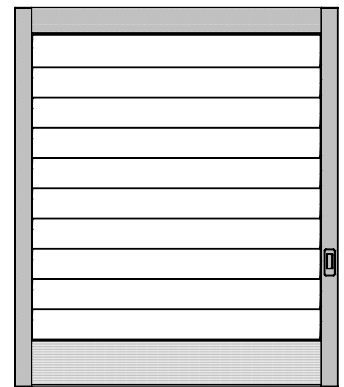
NO MID-RAIL



Top

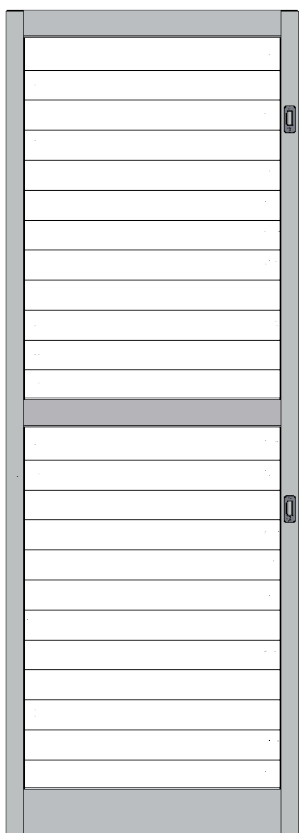


Center

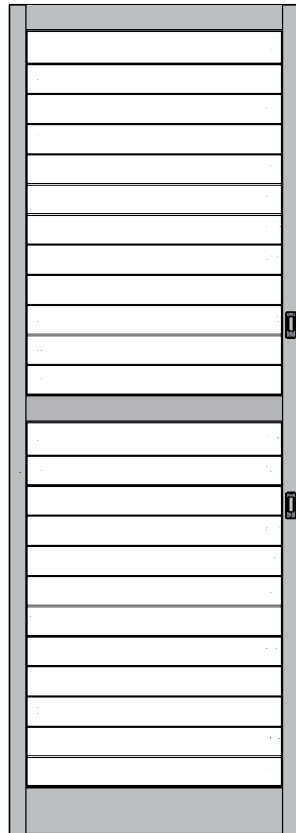


Bottom

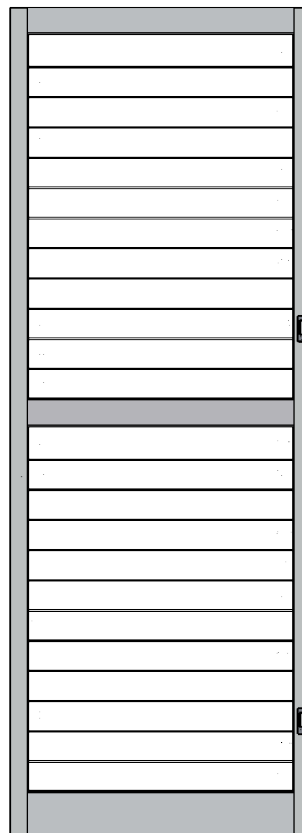
MID-RAIL



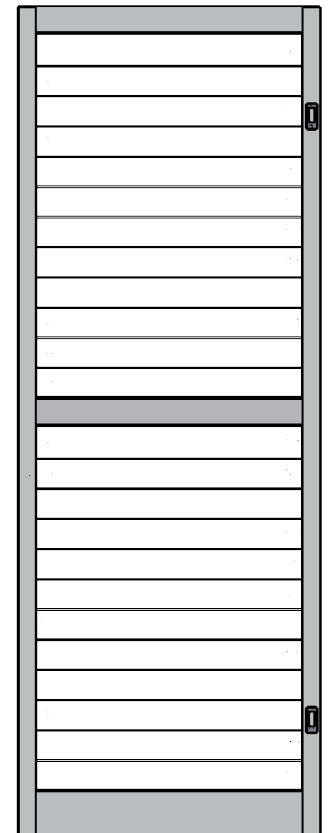
Top



Center



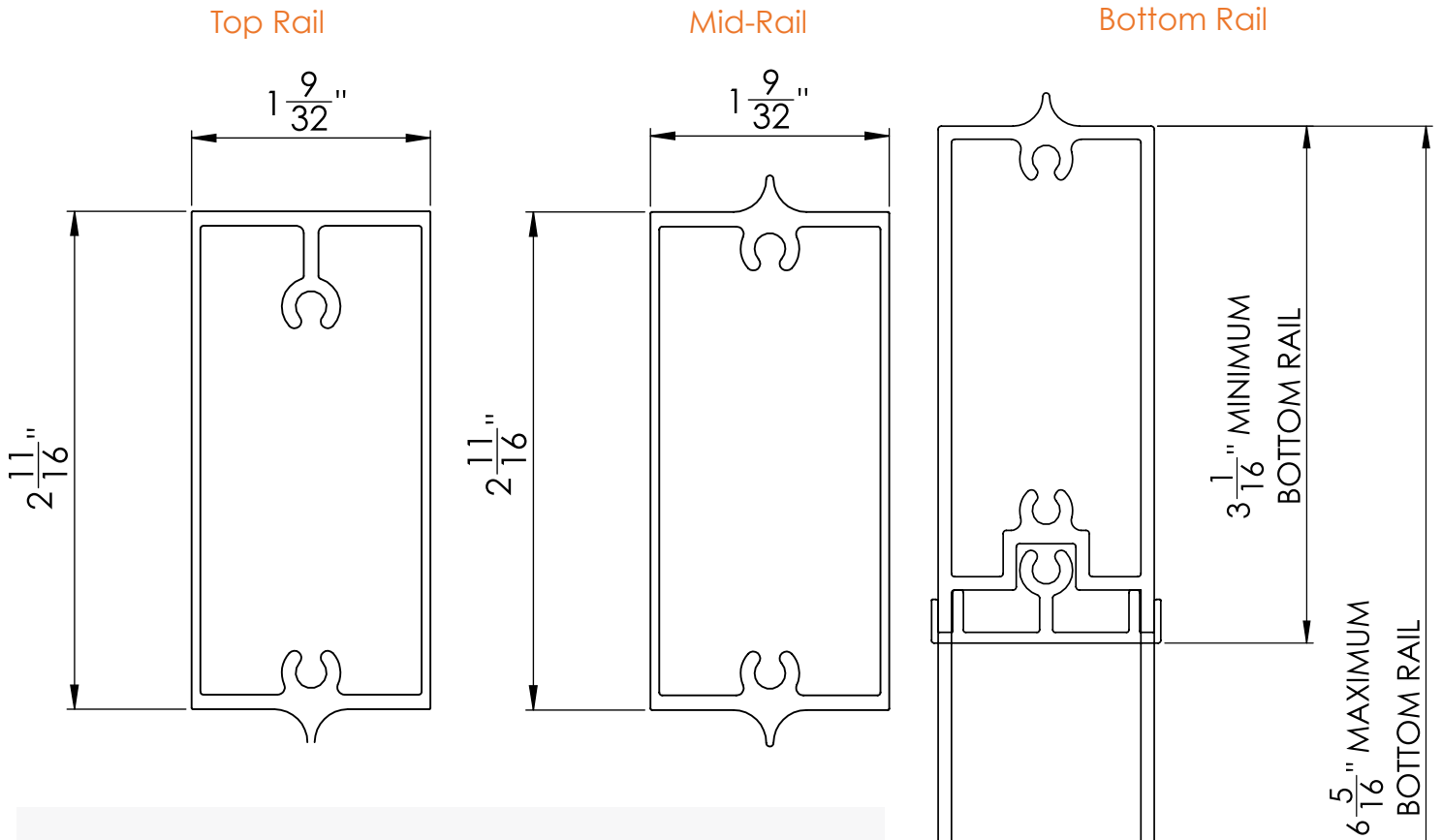
Bottom



Split

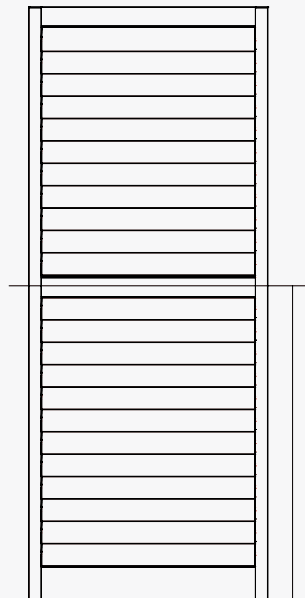
BOTTOM RAIL, MID & TOP RAILS

With an adjustable bottom rail that has the expansion of a whole blade width to ensure that the maximum number of blades for each panel.



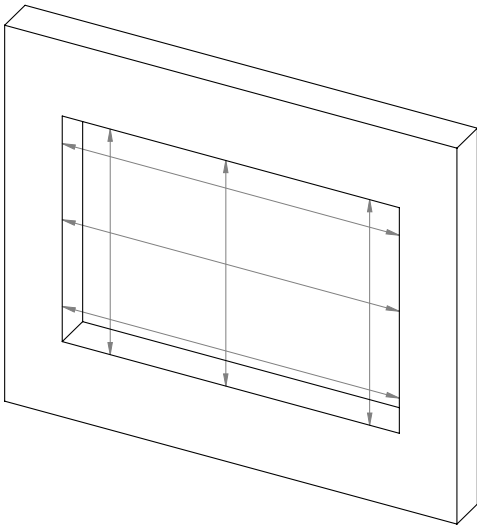
HOW TO MEASURE MID-RAIL HEIGHT

When measuring the mid-rail height it is important to measure to the center point of where you would like the mid-rail to be placed. As the mid-rail is the same size as an individual louver, it will be placed approximately +/- 1" for the specified height.



HOW TO MEASURE

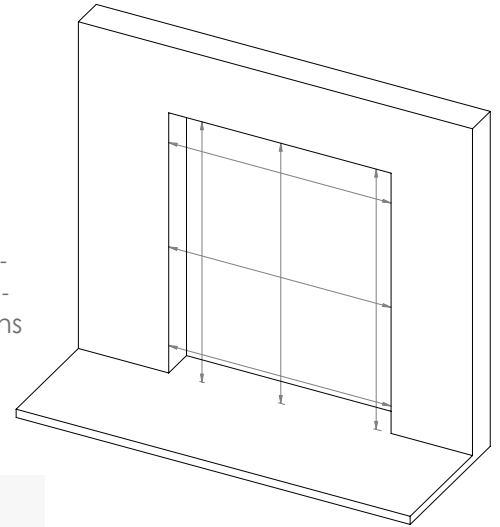
REVEAL (IN) MOUNT



Width Points of Measure:
Top, Center and Bottom

Height Points of Measure:
Left, Center and Right

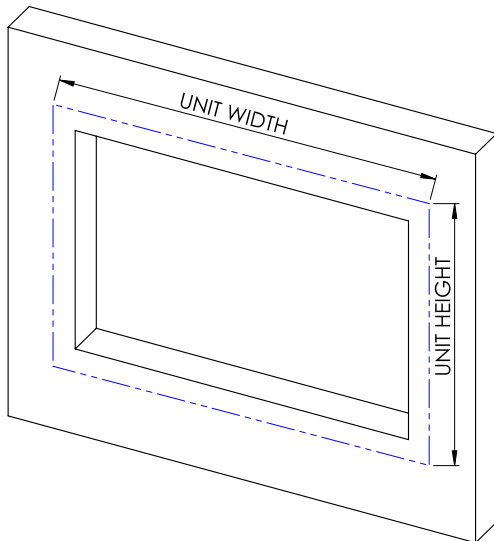
For Reveal openings, enter the smallest width and height of the measurements taken. All standard deductions will be taken for the units to fit inside the opening.



MEASURING TIP:

Always measure your opening from left to right.

FACE (OUT) MOUNT

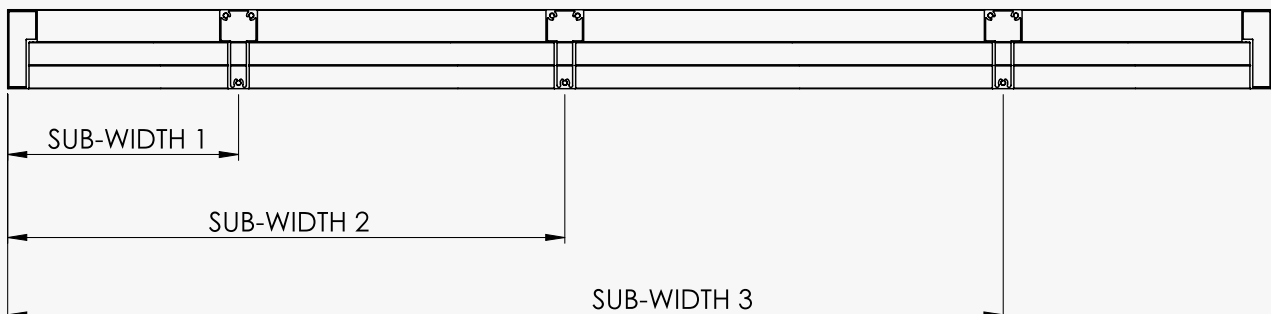


Width Points of Measure:
From the left to the right of the opening

Height Points of Measure:
From the top to the bottom of the opening

For Face Mount openings enter the width and height of the opening. No deductions will be taken. The measurements given will be from edge to edge including the frame.

SUB-WIDTHS: HOW TO MEASURE



INSTALLATION METHOD: HINGED IN FRAME



BEFORE YOU ORDER:

WARRANTY LIMITS

Installation Method	Min Width	Max Width	Max Width Non-Warranty	Min Height	Max Height	Max Height Non-Warranty	Mid-Rail Required	Split Rotation Height
Hinged: All Types	9 3/4	35 1/2	45 1/4	15 3/4	120	157 1/2	70 3/4	70 3/4

MINIMUM REVEAL DEPTH*

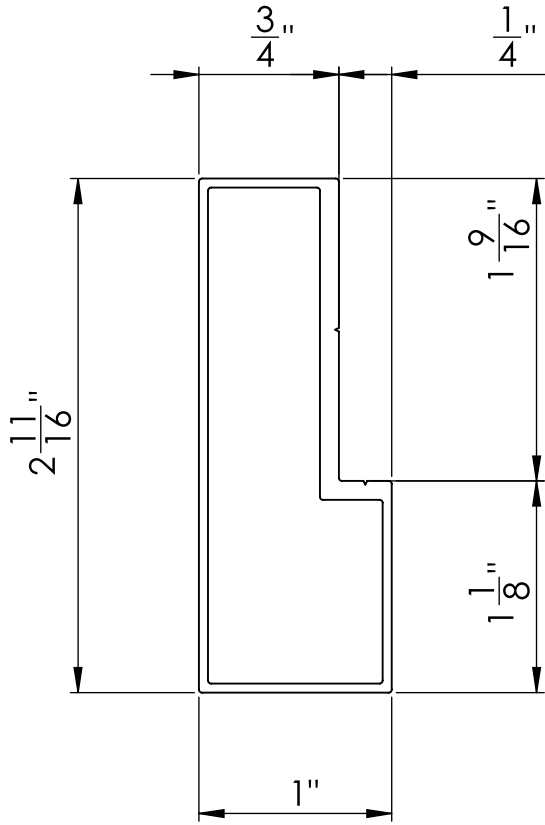
*Be sure to always measure from the most protruding object in the reveal.

Installation Method	Reveal Depth
Hinged in L Frame	2 5/8
Hinged in Z Frame	2

AVAILABLE MOUNTS

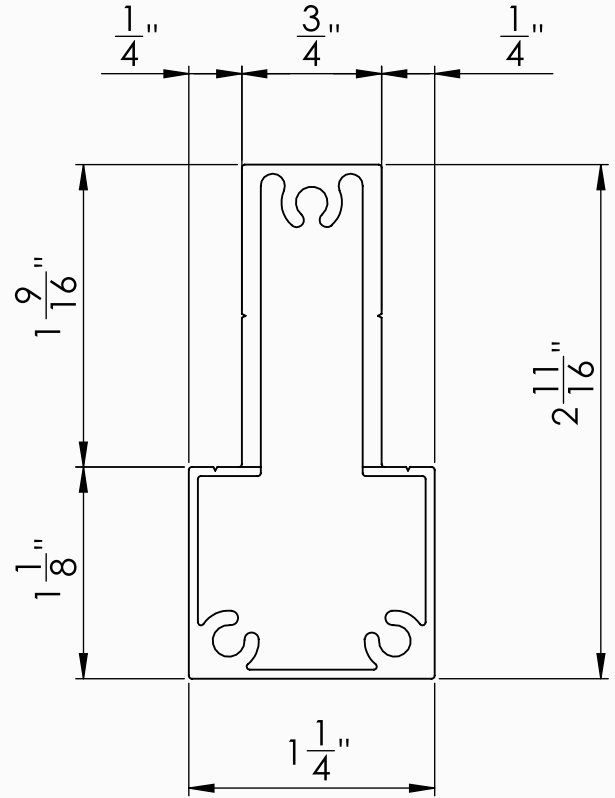
Reveal (In) Mount	Face (Out) Mount
Yes (L & Z Frame)	Yes (L Frame Only)

L FRAME

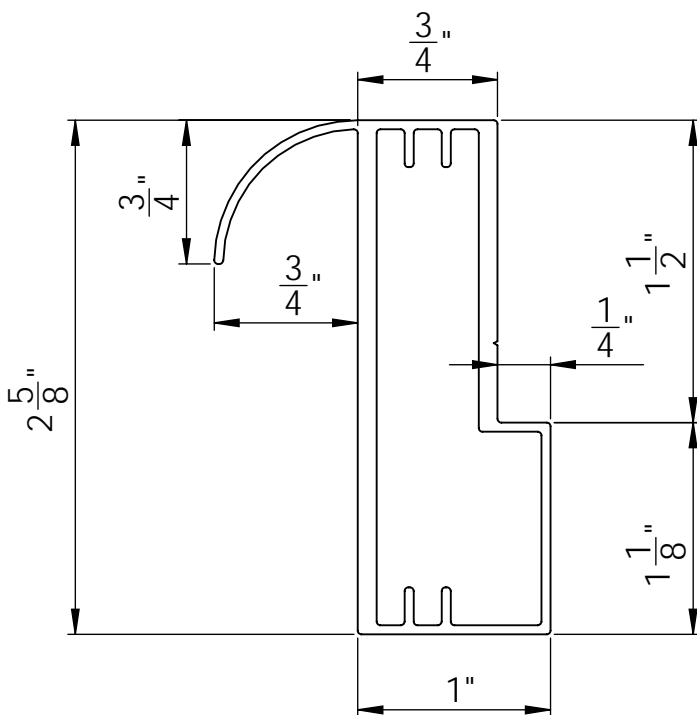


T POST

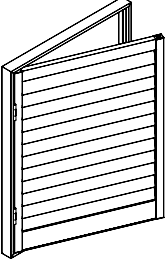
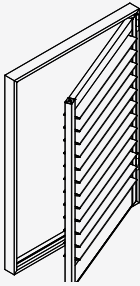
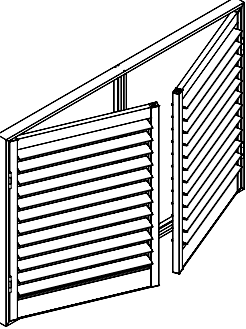
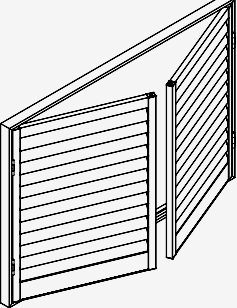
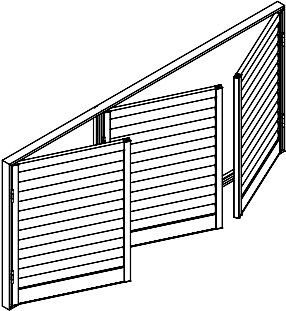
The T-Post offers structural integrity with its streamline finish allowing for multiple panels to be hinged in a opening.

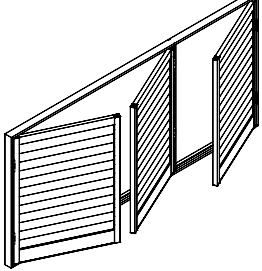
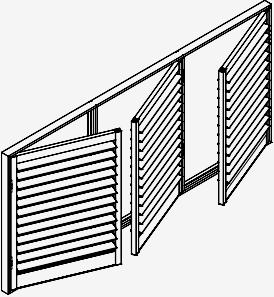
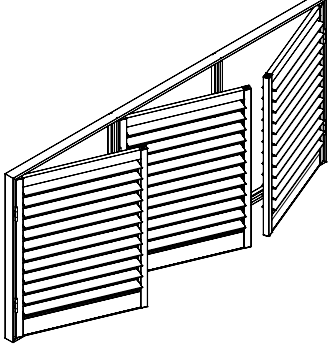


Z FRAME



PANEL CONFIGURATIONS

Drawing	Panel Configuration Code
	L - 1
	R - 1
	LTR - 2
	LR - 2
	LTLR - 3

Drawing	Panel Configuration Code
	LRTR - 3
	LTRTR - 3
	LTLTR - 3

Other Available Configurations:
 LRTL - 4
 LTLRTR - 4

INSTALLATION METHOD: BAHAMA



BEFORE YOU ORDER:

WARRANTY LIMITS

Installation Method	Min Width	Max Width	Max Width Non-Warranty	Min Height	Max Height	Max Height Non-Warranty	Mid-Rail Required	Split Rotation Height
Bahama Style	9 3/4	59	N/A	15 3/4	120	157 1/2	70 3/4	70 3/4

MINIMUM REVEAL DEPTH*

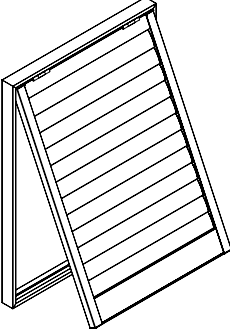
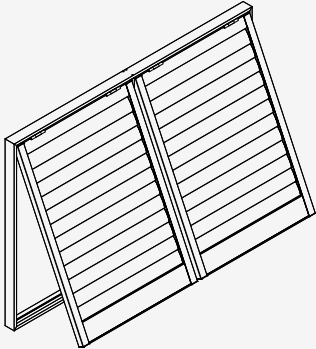
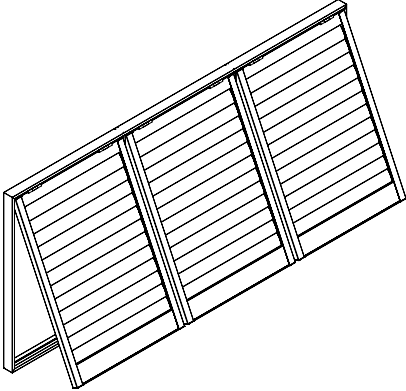
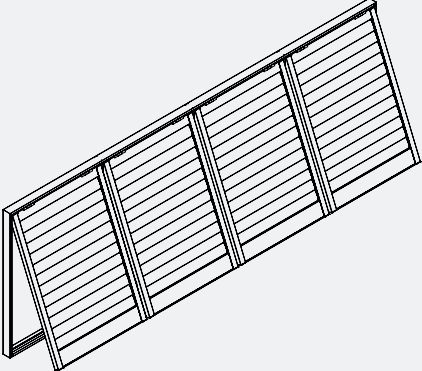
*Be sure to always measure from the most protruding object in the reveal.

Installation Method	Reveal Depth
Hinged in L Frame	2 5/8
Hinged in Z Frame	2

AVAILABLE MOUNTS

Reveal (In) Mount	Face (Out) Mount
Yes (L & Z Frame Only)	Yes (L & Hinged No Frame Only)

PANEL CONFIGURATIONS – BAHAMA STYLE

Drawing	Panel Configuration Code
	B - 1
	BTB - 2
	BTBTB - 3
	BTBTBTB - 4

INSTALLATION METHOD: HINGED NO FRAME

USED WHEN FRAMES ARE NOT WANTED



BEFORE YOU ORDER:

WARRANTY LIMITS

Installation Method	Min Width	Max Width	Max Width Non-Warranty	Min Height	Max Height	Max Height Non-Warranty	Mid-Rail Required	Split Rotation Height
Hinged No Frame	9 3/4	35 1/2	45 1/4	15 3/4	120	157 1/2	70 3/4	70 3/4

MINIMUM REVEAL DEPTH*

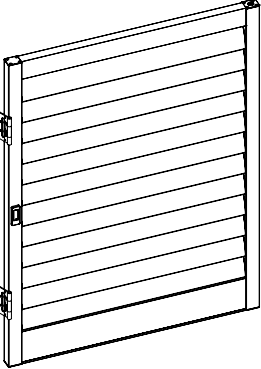
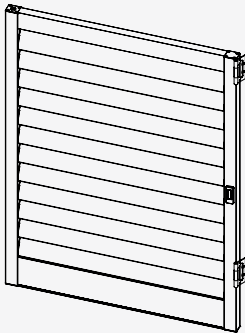
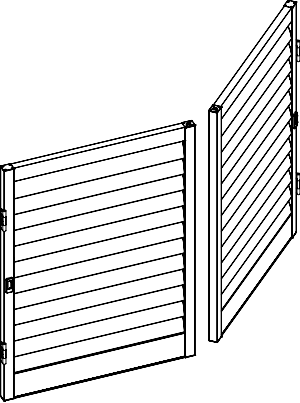
*Be sure to always measure from the most protruding object in the reveal.

Installation Method	Reveal Depth
Fixed	2 5/8

AVAILABLE MOUNTS

Reveal (In) Mount	Face (Out) Mount
Yes	No

PANEL CONFIGURATIONS

Drawing	Panel Configuration Code
	L - 1
	R - 1
	LR - 2

INSTALLATION METHOD: FIXED

USED WHEN ONLY BLADES NEED TO BE OPERATED.



BEFORE YOU ORDER:

WARRANTY LIMITS

Installation Method	Min Width	Max Width	Max Width Non-Warranty	Min Height	Max Height	Max Height Non-Warranty	Mid-Rail Required	Split Rotation Height
Fixed	9 3/4	59	70 3/4	15 3/4	120	157 1/2	70 3/4	70 3/4

MINIMUM REVEAL DEPTH*

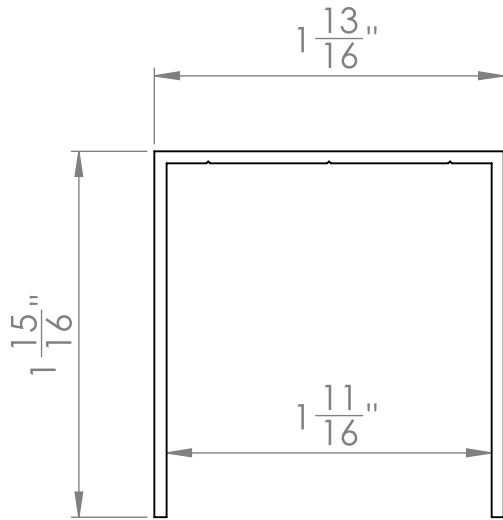
*Be sure to always measure from the most protruding object in the reveal.

Installation Method	Reveal Depth
Fixed	2 5/8

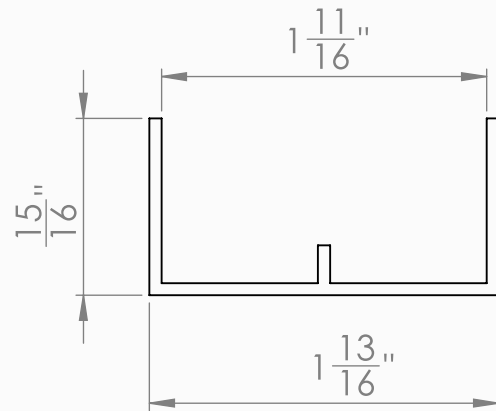
AVAILABLE MOUNTS

Reveal (In) Mount	Face (Out) Mount
Yes	No

TOP U CHANNEL

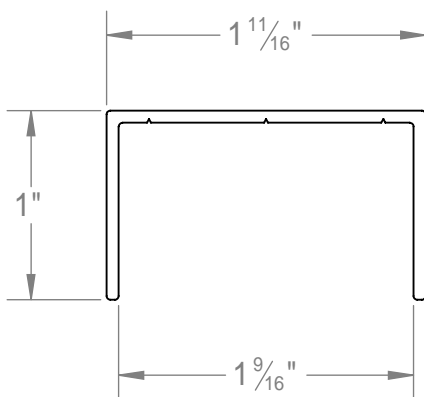


BOTTOM U CHANNEL

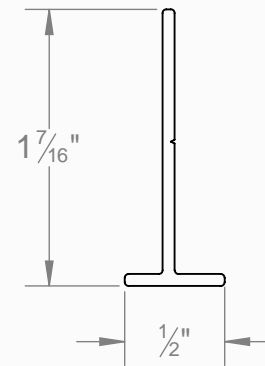


SIDE U CHANNEL

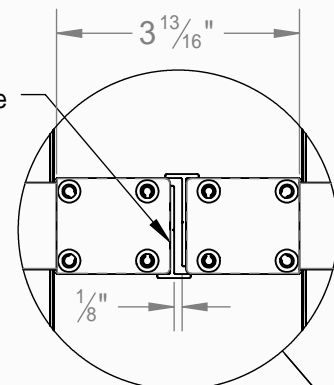
For single panel configurations, the side channel will be cut in half.



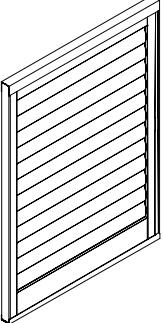
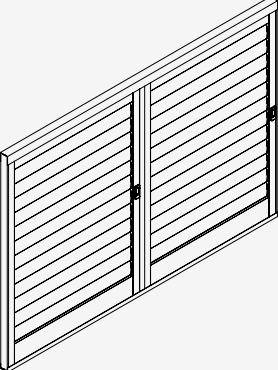
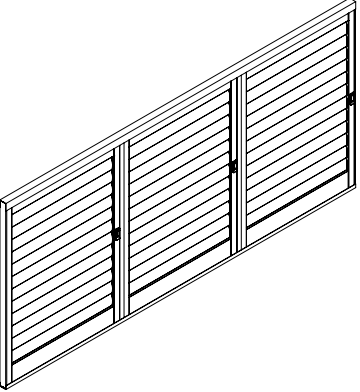
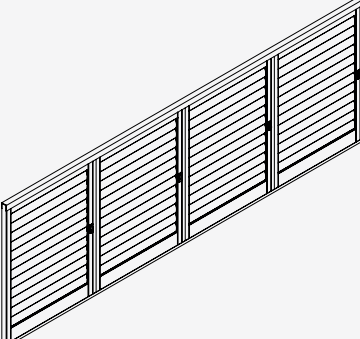
H SECTION



Astregal taped to stile with short side to stile



PANEL CONFIGURATIONS

Drawing	Panel Configuration Code
	F - 1
	FHF - 2
	FHFHF - 3
	FHFHFHF - 4

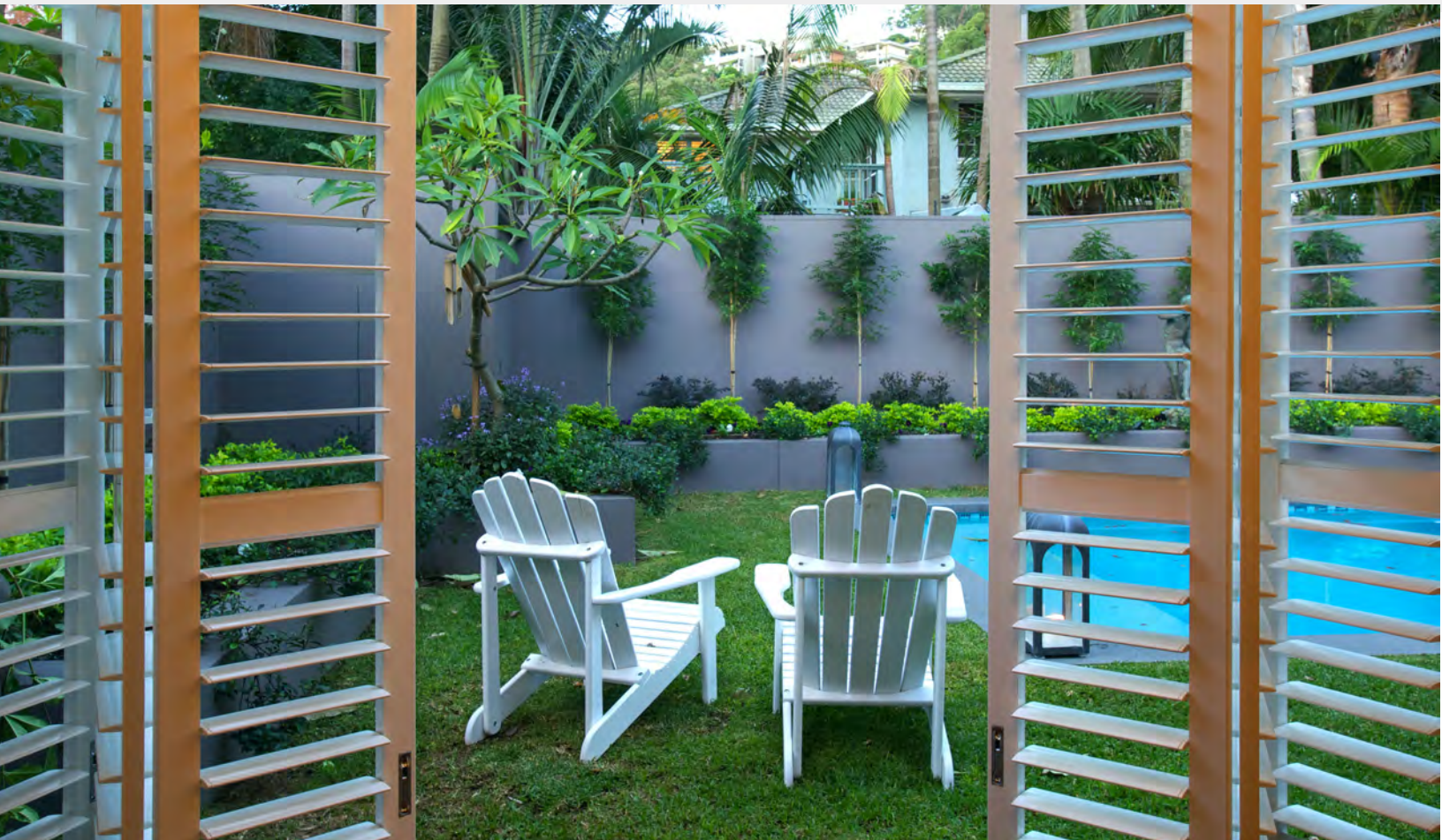
Other Available Configurations:

FHFHFHFHF - 5

FHFHFHFHFHF - 6

INSTALLATION METHOD: MULTI-FOLD

USED TO FOLD SHUTTERS AWAY FOR AN UNOBSTRUCTED VIEW



BEFORE YOU ORDER:

WARRANTY LIMITS

Installation Method	Min Width	Max Width	Max Width Non-Warranty	Min Height	Max Height	Max Height Non-Warranty	Mid-Rail Required	Split Rotation Height
Multi-Fold	9 3/4	30	35 1/2	15 3/4	120	157 1/2	70 3/4	70 3/4

MINIMUM REVEAL DEPTH*

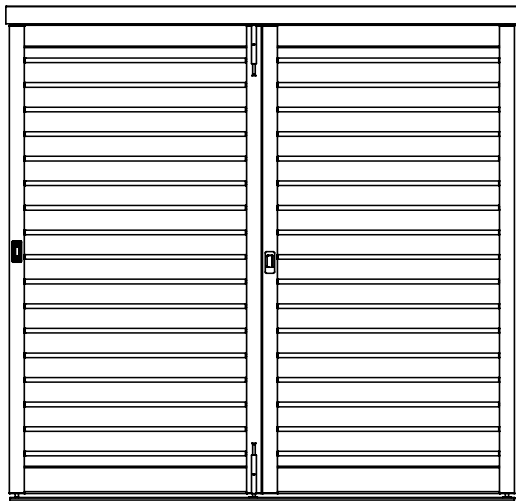
*Be sure to always measure from the most protruding object in the reveal.

Installation Method	Reveal Depth
Multi-Fold	2 5/8

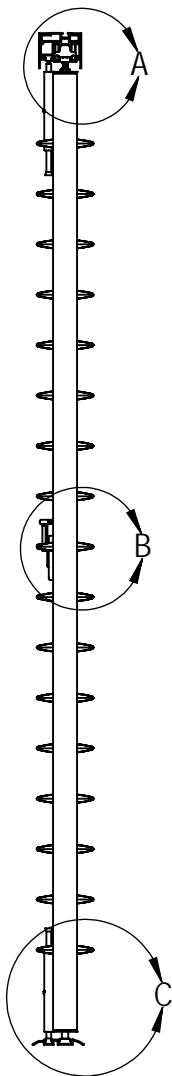
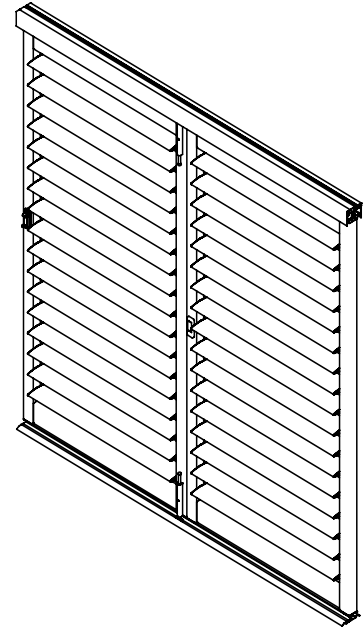
AVAILABLE MOUNTS

Reveal (In) Mount	Face (Out) Mount
Yes	No

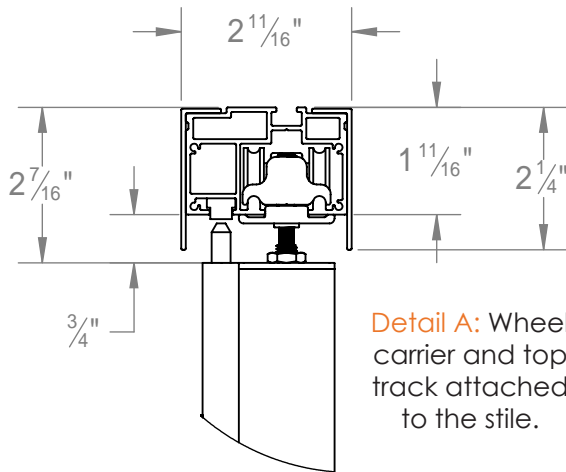
SPECIFICATION DRAWINGS – SURFACE MOUNT TRACK



Front View:
 Panel Configuration: Standard LL
 Blade Stay: Center
 Top & Bottom Length: 6"

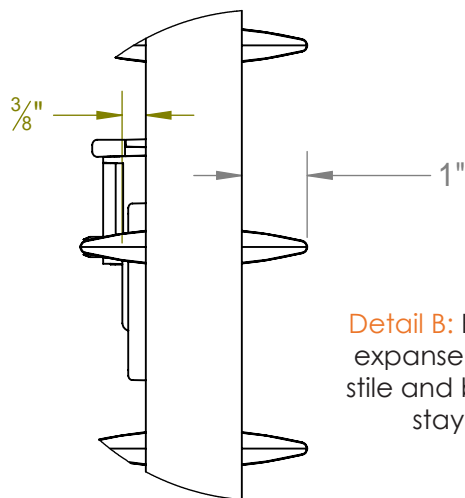


Side View



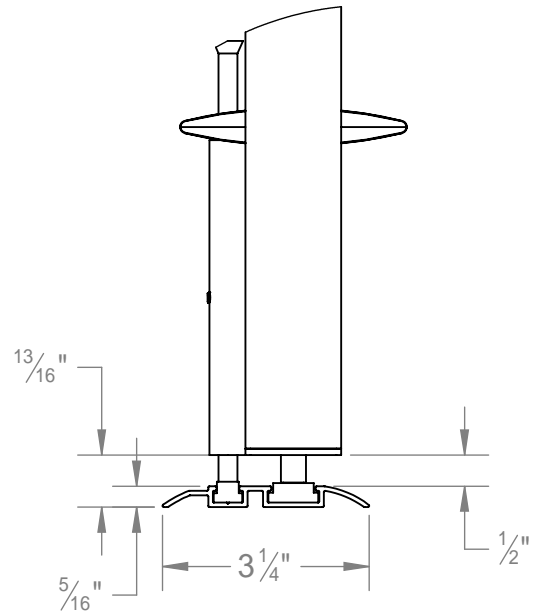
Detail A: Wheel carrier and top track attached to the stile.

DETAIL A



Detail B: Blade expande from stile and blade stay.

DETAIL B



Detail C:
 Surface Mount Track Detail
 Detail C:
 Bottom track 6" bottom side bolt.

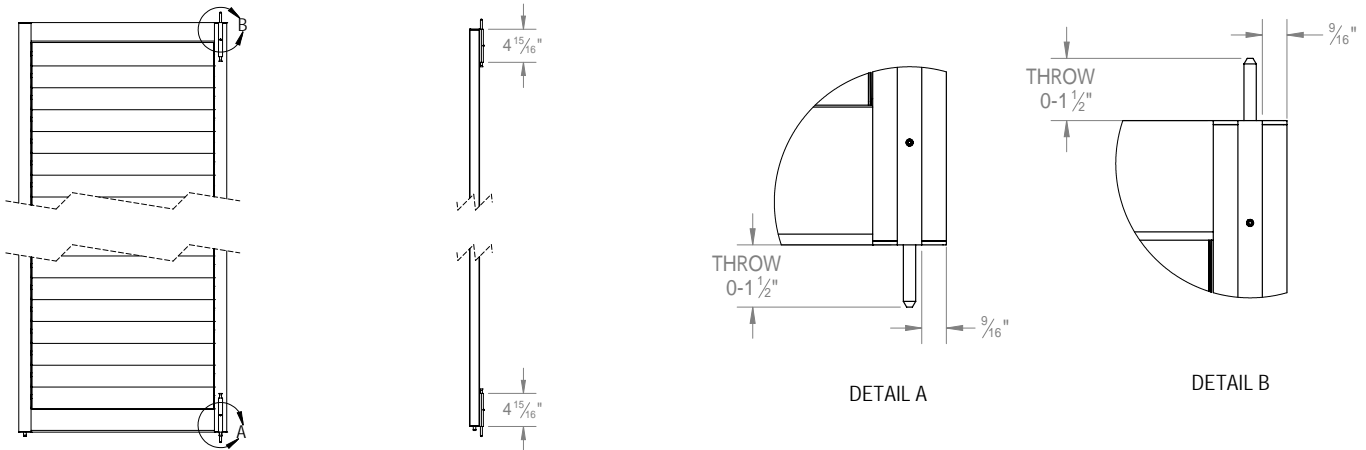
DETAIL C

SLIDE BOLTS

Note: Slide bolts are mandatory for both top and bottom on all multi-folds. Select the preferred length from the below options. Bolts can be different sizes at the top and bottom.

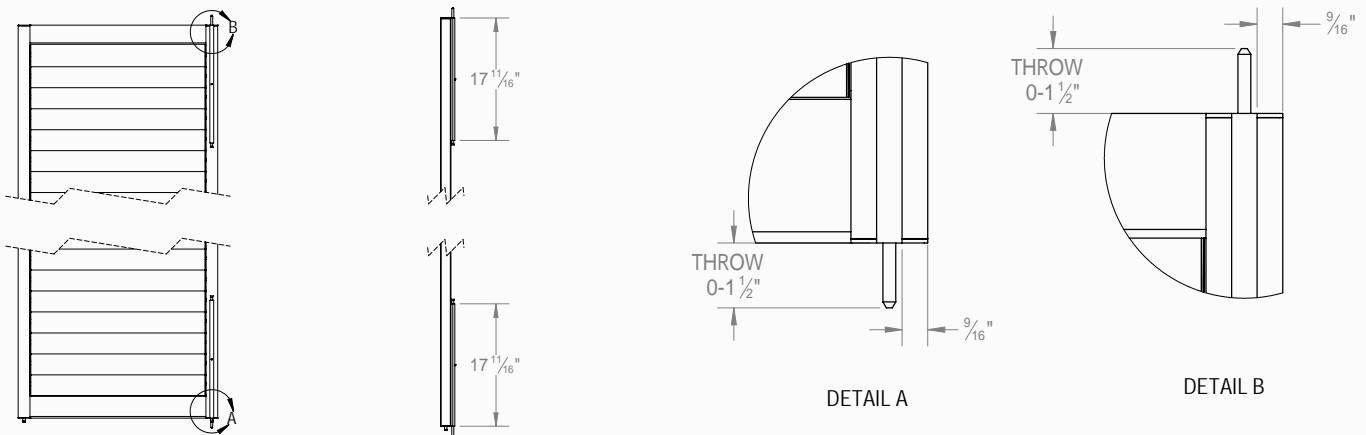
6" SLIDE BOLT

Available top and bottom.



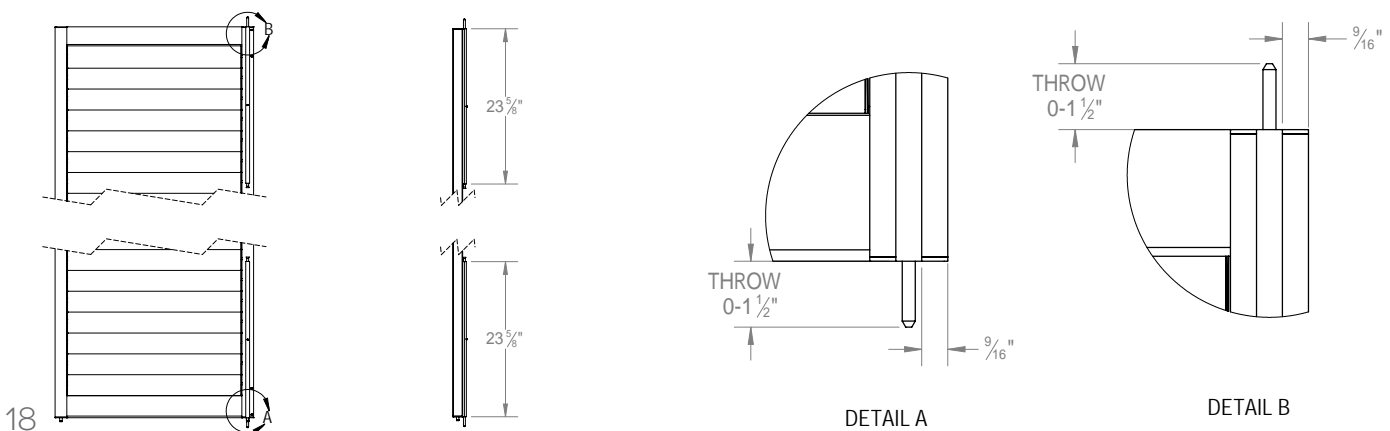
18" SLIDE BOLT

Available top and bottom.

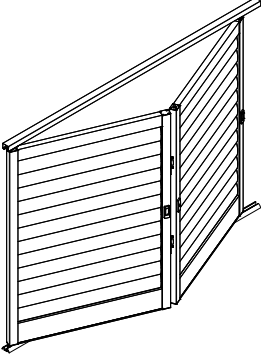
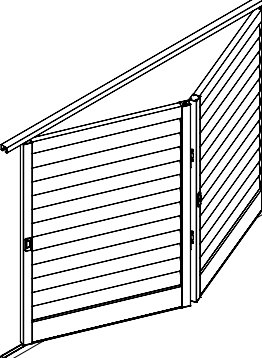
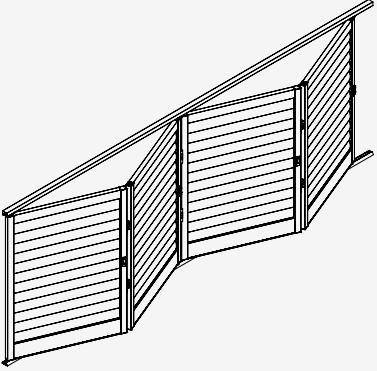
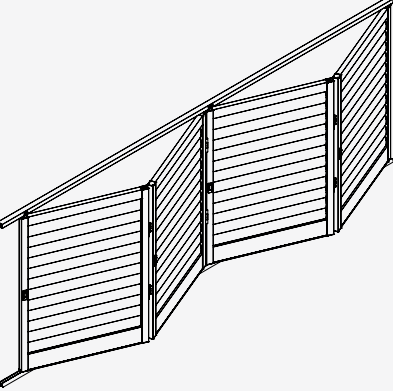
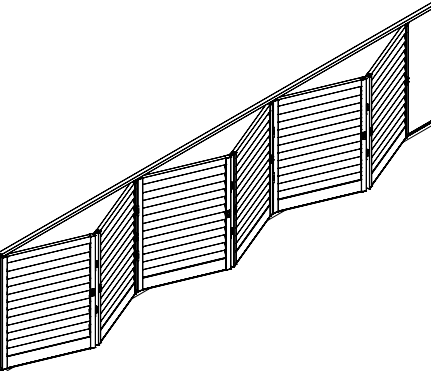
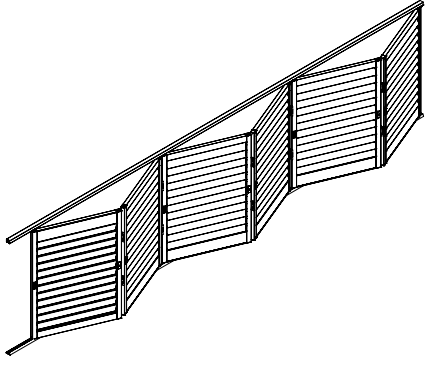
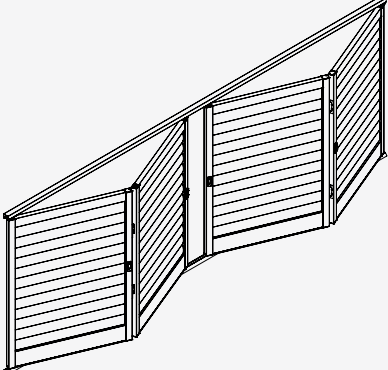


24" SLIDE BOLT

Available top and bottom.



PANEL CONFIGURATIONS – STANDARD FOLD

Drawing	Panel Configuration Code	Drawing	Panel Configuration Code
	LL - 2		RR - 2
	LLLL - 4		RRRR - 4
	LLLLLL - 6		RRRRRR - 6
	LLRR - 2	<div data-bbox="919 1688 1474 1906" style="background-color: #e0e0e0; padding: 10px; border: 1px solid #ccc;"> <p style="color: #e67e22; margin: 0;">Other Available Configurations:</p> <p style="margin: 0;">LLLLRRRR - 8</p> <p style="margin: 0;">LLRRRR - 6</p> </div>	

PANEL CONFIGURATIONS – REVERSE FOLD

Drawing	Panel Configuration Code	Drawing	Panel Configuration Code
	LL - 2		RR - 2
	LLLL - 4		RRRR - 4
	LLLLLL - 6		RRRRRR - 6
	LLRR - 2	<p>Other Available Configurations:</p> <p>LLLLRRRR - 8</p> <p>LLRRRR - 6</p>	

INSTALLATION METHOD: SLIDING

USED MOST COMMONLY TO COVER SLIDING DOORS OR ENCLOSE BALCONIES



BEFORE YOU ORDER:

WARRANTY LIMITS

Installation Method	Min Width	Max Width	Max Width Non-Warranty	Min Height	Max Height	Max Height Non-Warranty	Mid-Rail Required	Split Rotation Height
Sliding	9 3/4	59	70 3/4	15 3/4	120	157 1/2	70 3/4	70 3/4

MINIMUM REVEAL DEPTHS*

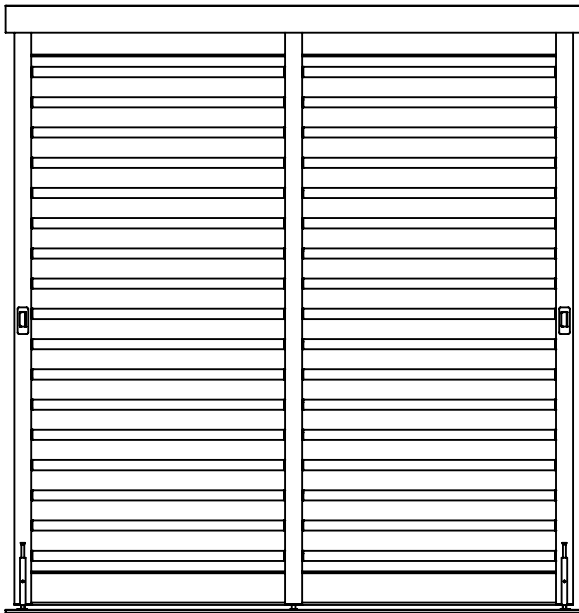
*Be sure to always measure from the most protruding object in the reveal.

Installation Method	Reveal Depth
2 Track Slider, blades open	6 3/4

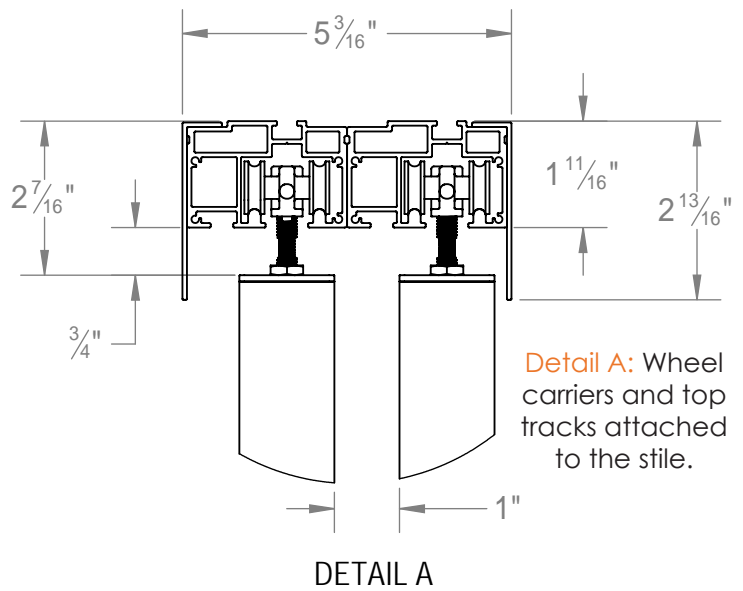
AVAILABLE MOUNTS

Reveal (In) Mount	Face (Out) Mount
Yes	No

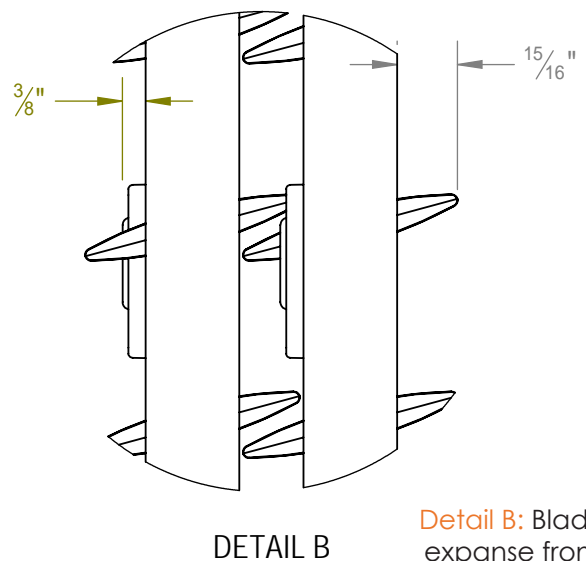
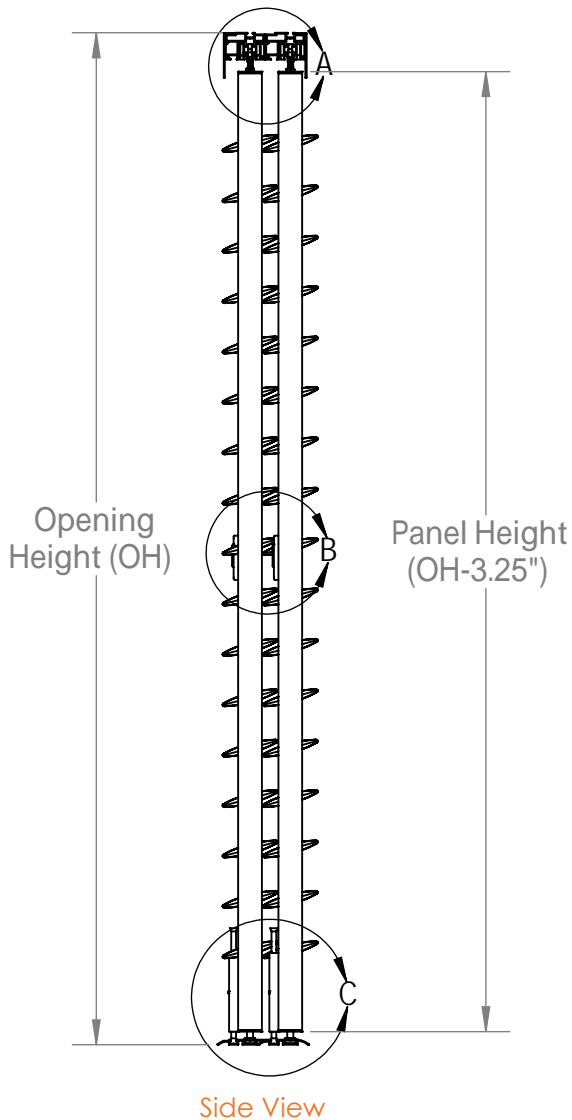
SPECIFICATION DRAWINGS – BLADES OPEN, SURFACE MOUNT TRACK



Front View:
 Panel Configuration: FB -2
 Blade Stay: Center

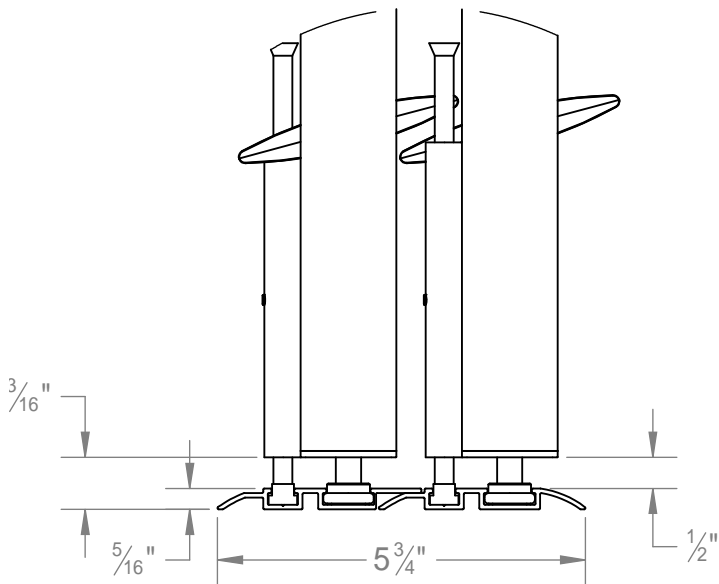
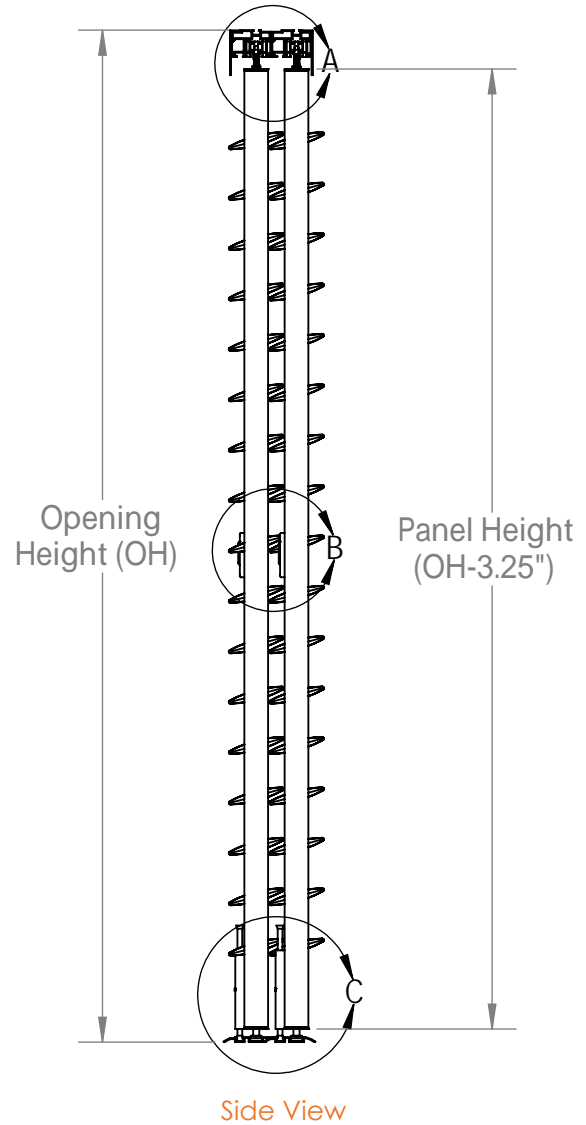
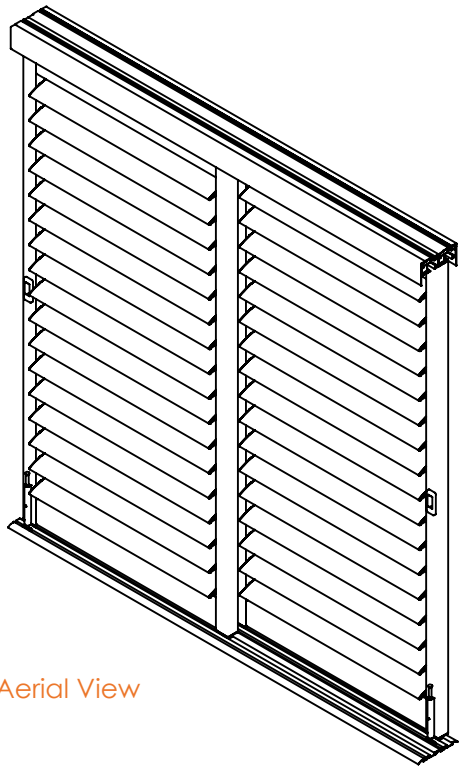


Detail A: Wheel carriers and top tracks attached to the stile.



Detail B: Blade expande from stile and blade stay.

SPECIFICATION DRAWINGS – BLADES OPEN, SURFACE MOUNT TRACK



DETAIL C

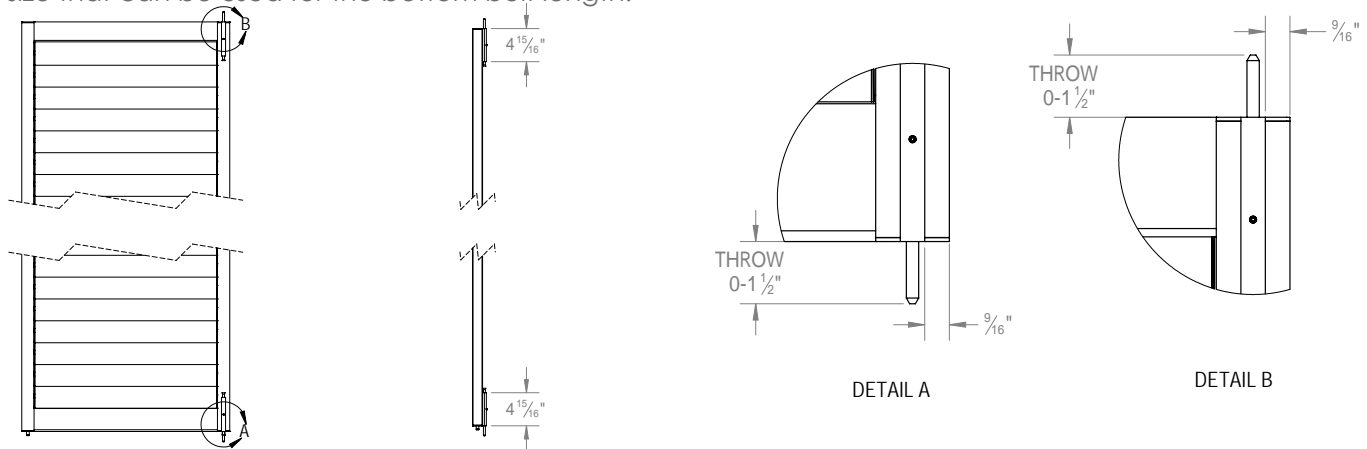
Detail C: Bottom tracks and spring loaded guides and 6" bottom slide bolt.

SLIDE BOLTS

Note: Slide bolts are recommended on the bottom for all sliders. Select the preferred length from the below options. Bolts can be different sizes at the top and bottom.

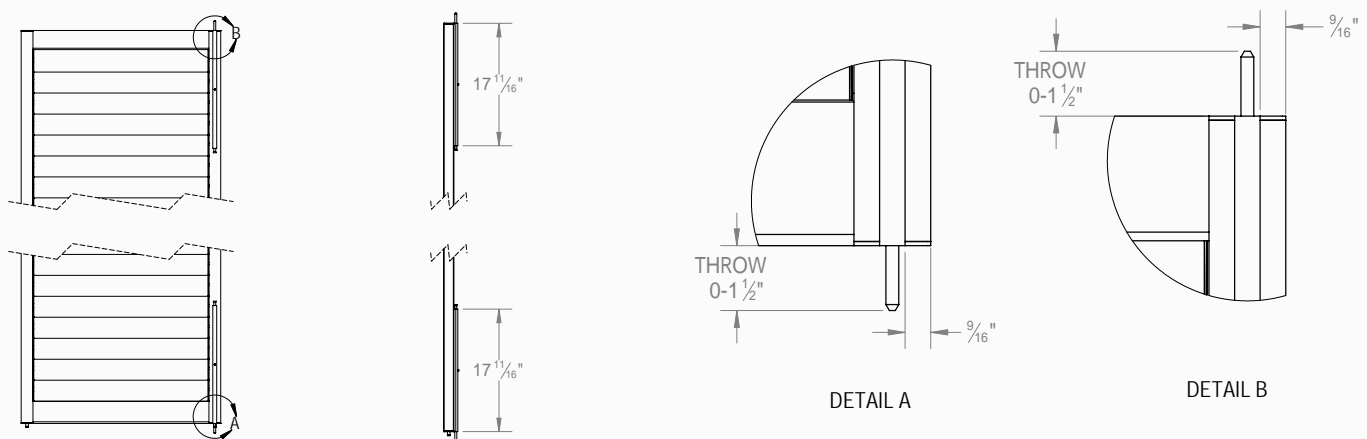
6" SLIDE BOLT

Available top and bottom. Note: if Blade Stay position "Bottom" is selected for slider, the 6" bolt is the only bolt size that can be used for the bottom bolt length.



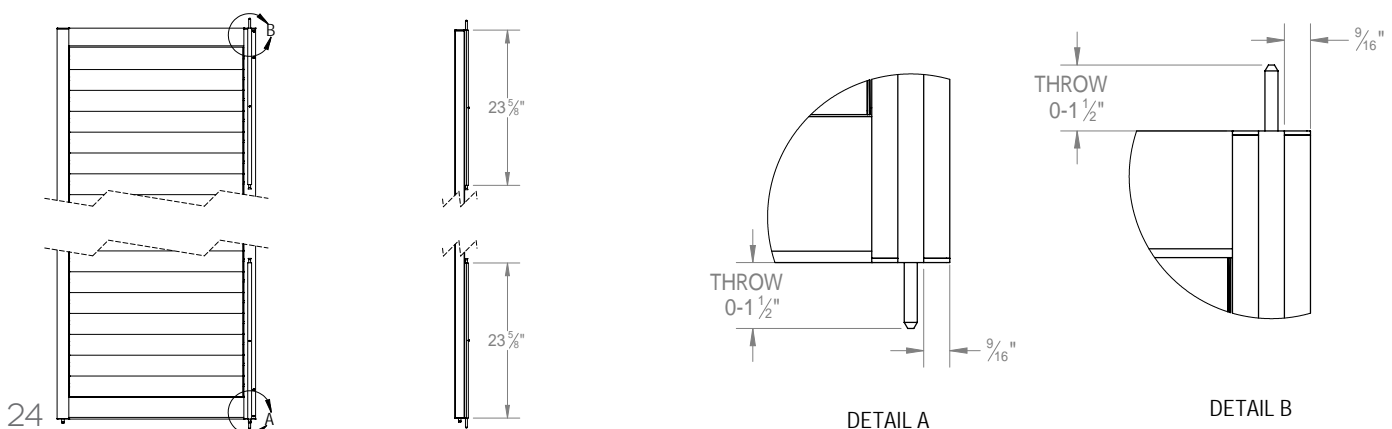
18" SLIDE BOLT

Available top and bottom.

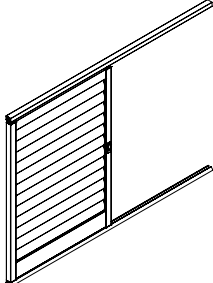
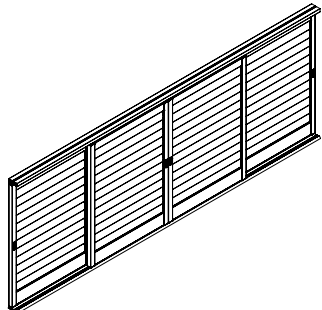
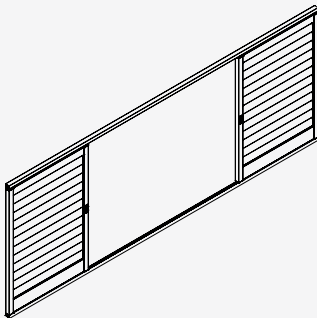
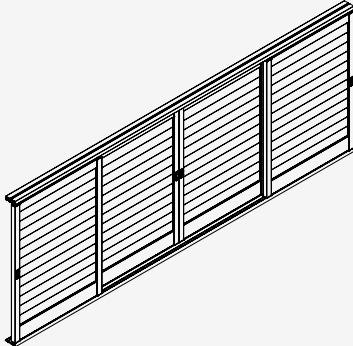
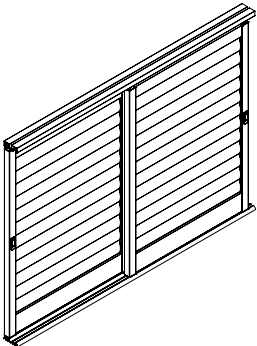
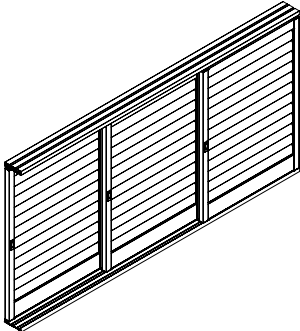
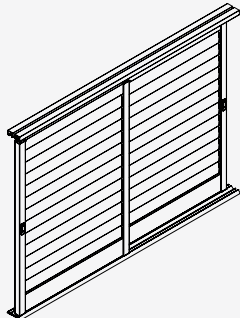
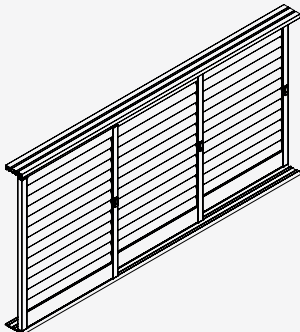
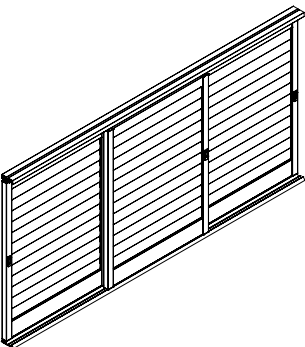


24" SLIDE BOLT

Available top and bottom.



PANEL CONFIGURATIONS

Drawing	Panel Configuration Code	Drawing	Panel Configuration Code
	1 Track S - 1		2 Tracks BFFB - 4
	1 Track SS - 2		2 Tracks FBBF - 4
	2 Tracks BF - 2		3 Tracks BMF - 3
	2 Tracks FB - 2		3 Tracks FMB - 3
	2 Tracks BFB - 3	<p>Other Available Configurations: BFBFBF - 6 (2 Tracks) BMFFMB - 6 (3 Tracks) FMBBMF - 6 (3 Tracks)</p>	

S = Single Sliding Panel, B = Back Sliding Panel, F = Front Sliding Panel, M = Middle Sliding Panel

WARRANTIES

PRODUCT	POWDERCOAT	WOOD GRAIN POWDERDCOAT	CUSTOM FINISH	STRUCTURAL
Aluminum Shutters	10 YEARS	10 YEARS	5 YEARS	10 YEARS

PRODUCT	INSTALLATION METHOD	WIDTH			HEIGHT			PANEL BREAKS	
		Min	Max	Max Non Warranty	Min	Max	Max Non Warranty	Mid-Rail(s) Required	Approximate Split Rotation by Blade Size
									3 1/2
Aluminum Shutters	Hinged: All Types	9 3/4	35 1/2	45 1/4	15 3/4	120	157 1/2	72	72
	Panel Only	9 3/4	60	70 3/4	15 3/4	120	157 1/2	72	72
	Bahama Style	9 3/4	60	N/A	15 3/4	80	N/A	72	72
	Fixed	9 3/4	60	70 3/4	15 3/4	120	157 1/2	72	72
	Sliding	9 3/4	60	70 3/4	15 3/4	120	157 1/2	72	72
	Multi-Fold	9 3/4	60	35 1/2	15 3/4	120	157 1/2	72	72

We work lean

At Woodfold, we've embraced Lean Manufacturing, making better use of our space, precious raw materials, and each person's time. It's a constant process of improvement that ensures consistent quality.

Today we have the flexibility in our manufacturing processes to ensure the detail of hand finishing while maintaining the speed and flexibility of modern assembly and quality control.

Connect

 @WoodfoldMfg

 @WoodfoldMfg

 www.woodfold.com

 woodfold@woodfold.com

We work clean

Monitoring and minimizing our impact on the environment has always been an important part of the Woodfold culture. One example is our conversion to water-based paints and stains that don't compromise on quality. As an employee-owned company, we take great pride and personal ownership in protecting the community in which we live.

We do the right thing

At Woodfold, we operate with the fundamental belief in doing the right thing, like using wood from sustainable forests in our products. As an employee-owned company, we strive to make a positive impact on our people, our community and the environment by increasing recycling, reducing waste, reducing our carbon footprint, and relentlessly reviewing how we can do better.



Woodfold Manufacturing, Inc.

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