

PALM BEACH™ POLYSATIN™ SHUTTERS



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Introduction

PALM BEACH™ POLYSATIN™ SHUTTERS

Our unique styles can be ordered in 2½", 3½", or 4½" elliptical louvers. Palm Beach™ Polysatin™ Shutters feature easy operation and the freedom to control light, heat, airflow, noise, and view and offer privacy.

RECTANGULAR SHUTTERS

- Standard Hinged Panels
- Bi-Fold Track Configurations
- Bypass Track Configurations

Special applications include:

- French Doors
- Bay/Corner Windows
- Café Shutters
- Double-Hung Shutters
- Bypass Open Louver Track
- Bypass Triple Track

Operating systems include:

- Traditional front tilt
- TruView™ rear tilt (*Specialty Shapes only*)
- HiddenTilt™
- SoftClose™ louvers with QuickAlign™
- PowerView® Gen 3 Automation

SPECIALTY SHAPES

A wide range of framed and unframed specialty shapes are available as stand-alone shutters or combined with standard hinged panels below in one continuous opening. Specialty shapes feature fully operable horizontal louvers.

INNOVATION

Palm Beach shutters with the advanced DuraLux™ Finish combine the beautiful look of a finely painted shutter with the unmatched durability of Polysatin.

STRUCTURAL STRENGTH AND SAFETY

Key elements of Palm Beach Polysatin Shutters, such as stiles, louvers, and T-posts, are reinforced with aluminum and molded resin blocks, adding exceptional stability to the shutter panels.

INSTALLER FRIENDLY

Palm Beach Polysatin Shutters are designed for quick and easy installation by a Hunter Douglas Certified Installer.

CERTIFICATIONS

- Palm Beach Polysatin Shutters have achieved GREENGUARD GOLD Certification.
- GREENGUARD Listed for Microbial Resistance
- NFPA 701 Flame Retardant

GUARANTEED FOR LIFE

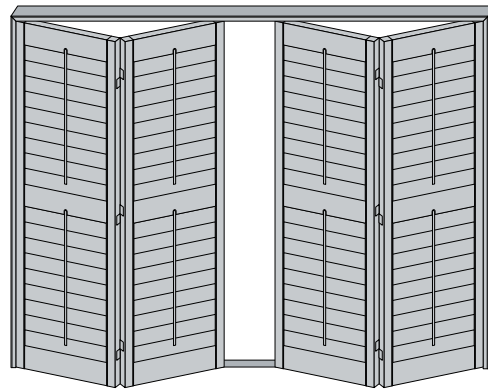
Palm Beach shutters are covered by the Hunter Douglas Lifetime Guarantee, recognized as the most comprehensive protection available in the window fashions industry.

PALM BEACH™ PROMISE™

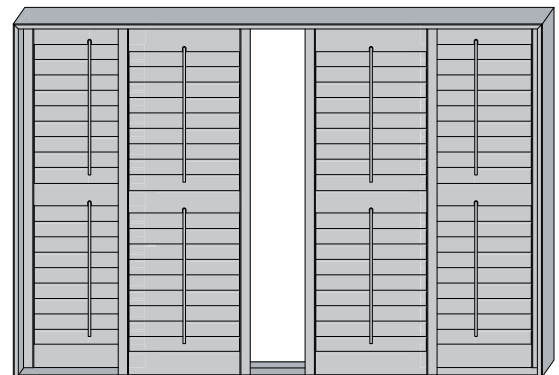
Backed by an industry-exclusive promise that our shutters will not warp, crack, fade, chip, peel, or discolor.

COORDINATION PROGRAMS

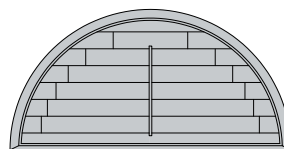
See the Coordination Programs section of the Reference Guide for information on coordinating Palm Beach colors with Heritage® Hardwood Shutters and NewStyle® Hybrid Shutters.



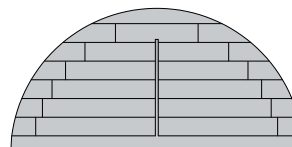
Bi-Fold Track Configurations™



Bypass Track Configurations™

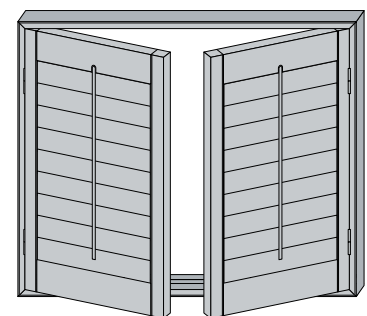


Framed



Unframed

Specialty Shapes™



Standard Hinged Panels™

Size Standards

PALM BEACH™ POLYSATIN™ SHUTTERS

HOW TO USE THE SIZE STANDARDS CHARTS

The Size Standards charts are designed to be a quick reference to size standards and where to find further size specifications. Further size specifications are referenced by the link in the configuration heading. Always read the notes under the chart for important additional information.

Important: shutter dimensions must be equal to or less than the maximum dimensions (width and height) and equal to or greater than the minimum dimensions (width and height) to be within specification guidelines.

| PANEL SIZE STANDARDS (Not including Frames) | Standard Hinged Panel Configurations [™] | | | | | | Track Configurations | | | | | |
|---|---|----------------------|----------------------|------------------------------|----------------------|----------------------|--|----------------------|----------------------|---|----------------------|----------------------|
| | Individually Hinged | | | Bi-Fold Hinged (No Track) | | | Bi-Fold Track Configurations [™] | | | Bypass Track Configurations [™] | | |
| | Louvers | | | Louvers | | | Louvers | | | Louvers | | |
| | 2 1/2" | 3 1/2" | 4 1/2" | 2 1/2" | 3 1/2" | 4 1/2" | 2 1/2" | 3 1/2" | 4 1/2" | 2 1/2" | 3 1/2" | 4 1/2" |
| Min. Panel Width | 7" ¹ | 7" ¹ | 7" ¹ | 7" ¹ | 7" ¹ | 7" ¹ | 12" | 12" | 12" | 12" | 12" | 12" |
| Max. Panel Width | 36" ² | 36" ² | 36" ² | 24" ² | 24" ² | 24" ² | 24" | 24" | 24" | 36" | 36" | 36" |
| Min. Panel Height 2" Rails | 8 7/8" ³ | 10 7/8" ³ | 12 7/8" ³ | 8 7/8" ³ | 10 7/8" ³ | 12 7/8" ³ | 8 7/8" ³ | 10 7/8" ³ | 12 7/8" ³ | 8 7/8" ³ | 10 7/8" ³ | 12 7/8" ³ |
| Min. Panel Height 4" Rails | 12" ³ | 14" ³ | 17" ³ | 12" ³ | 14" ³ | 17" ³ | 12" ³ | 14" ³ | 17" ³ | 12" ³ | 14" ³ | 17" ³ |
| Min. Panel Height 2" Rails SoftClose Louvers | 12" ³ | 12" ³ | 12 7/8" ³ | 12" ³ | 12" ³ | 12 7/8" ³ | 12" ³ | 12" ³ | 12 7/8" ³ | 12" ³ | 12" ³ | 12 7/8" ³ |
| Min. Panel Height 4" Rails SoftClose Louvers | 17" ³ | 17" ³ | 17" ³ | 17" ³ | 17" ³ | 17" ³ | 17" ³ | 17" ³ | 17" ³ | 17" ³ | 17" ³ | 17" ³ |
| Max. Panel Height | 120" ⁵ | 120" ⁵ | 120" ⁵ | 120" ⁵ | 120" ⁵ | 120" ⁵ | 120" ⁵ | 120" ⁵ | 120" ⁵ | 120" ⁵ | 120" ⁵ | 120" ⁵ |

| PANEL SIZE STANDARDS (Not including Frames) | PowerView® Gen 3 Automation | | | | | | | | |
|---|---|------------------|------------------|------------------------------|------------------|------------------|---|------------------|------------------|
| | Standard Hinged Panel Configurations [™] | | | | | | Track Configurations | | |
| | Individually Hinged | | | Bi-Fold Hinged (No Track) | | | Bypass Track Configurations [™] | | |
| | Louvers | | | Louvers | | | Louvers | | |
| | 2 1/2" | 3 1/2" | 4 1/2" | 2 1/2" | 3 1/2" | 4 1/2" | 2 1/2" | 3 1/2" | 4 1/2" |
| Min. Panel Width ⁴ | 17" | 17" | 17" | 17" | 17" | 17" | 17" | 17" | 17" |
| Max. Panel Width | 36" ² | 36" ² | 36" ² | 24" ² | 24" ² | 24" ² | 36" | 36" | 36" |
| Min. Panel Height 4" Rails | 12" ³ | 14" ³ | 17" ³ | 12" ³ | 14" ³ | 17" ³ | 12" ³ | 14" ³ | 17" ³ |
| Max. Panel Height | 96" | 96" | 96" | 96" | 96" | 96" | 96" | 96" | 96" |

¹ Hunter Douglas does not recommend panels under 12" in width due to possible limited functionality.

² Individually Hinged Double-Hung maximum panel width is 30"; Bi-Fold (no track) Double-Hung maximum width is 20".

³ Hunter Douglas does not recommend panels under 18" in height due to the excessive louver overlap that can occur. For panels with 2 1/2" louvers, excessive louver overlap may prevent panels from being fabricated with HiddenTilt™ or louvers from fully closing.

⁴ Minimum panel width for panels with the Rechargeable Battery Wand is 19 1/2".

⁵ Maximum panel height for HiddenTilt™ with SoftClose™ louvers is 96".

Notes

- **PowerView® Gen 3 Automation:** Minimum and maximum standards are absolute and cannot be compromised or waived.
- **Minimum and maximum ordered widths including frames:** Refer to the panel configurations, see Standard Hinged Panels[™] or Bi-Fold Track Configurations[™].
- **Top and bottom rails:**
 - **Rail size:** Chart dimensions are for 4" top and bottom rails; 2" rail can only be used on panels 36" or less in height (except Double-Hung). 2" rail not available with PowerView Gen 3 Automation.
 - **Double-Hung panels:** Adjacent center rails are 2" in height. See Café and Double-Hung Shutters[™].
- **Divider rails:**
 - **Requirements:** Panels greater than 66" in height require one divider rail. Panels greater than 96" in height require two divider rails. Divider rails are not required for French door cut-outs, except those with PowerView Gen 3 Automation or SoftClose louvers.
 - **Other specifications:** Maximum space between divider rails is 66". There must be a minimum of two louvers between divider rails and the top or bottom rail.
- **Tie louvers:** Panels greater than 50" tall will have tie louvers for additional strength, unless a divider rail is ordered.
- **Hinges:** Number of hinges per panel height are 2 hinges up to 28"; 3 hinges 28 1/16" to 50"; 4 hinges 50 1/16" to 72"; 5 hinges 72 1/16" to 94"; and 6 hinges 94 1/16" to 120".
- **Splicing:** Frames and valances greater than 180" in width or height may require splicing.

Size Standards

PALM BEACH™ POLYSATIN™ SHUTTERS

| SPECIALTY SHAPES SIZE STANDARDS (Including Framed) | Horizontal Louvers 2 1/2" and 3 1/2" Louver Sizes Only | | | | | | | | | |
|--|---|------------------------|---------------------|------------------|-----------------|----------|-------------------|-------------|------------|------------|
| | A1 Perfect Arch | A2L/A2R Quarter Circle | A4 Extended Eyebrow | A4 Extended Arch | A5 Eyebrow Arch | A7 Angle | A7 Extended Angle | A8 Pentagon | T3 Hexagon | T4 Octagon |
| Min. Width | 24" | 12" | 24" | 24" | 24" | 12" | 12" | 24" | 12" | 12" |
| Max. Width | 92" | 40" | 108" | 48" | 92" | 60" | 72" | 72" | 40" | 40" |
| Min. Height | 12" | 12" | 12" | 16" | 12" | 12" | 12" | 12" | 12" | 12" |
| Max. Height | 46" | 40" | 36" | 39" | 46" | 60" | 60" | 48" | 40" | 40" |

Notes

- **Illustrations, vertical supports and further specifications:** Refer to Specialty Shapes™ for specialty shape details.
- **Frames:** All shapes are available framed or unframed.
- **Hinges:** Palm Beach™ specialty shapes use a combination of hinges, Duracatch™ locks and magnets to secure panels to the frame.
- **Exclusions:** Palm Beach specialty shapes are not available with PowerView Gen 3 Automation or SoftClose™ louvers with Quick Align™.

Shutter Basics

PALM BEACH™ POLYSATIN™ SHUTTERS

Shutter Terminology

The basic shutter assembly is a panel hinged to a frame. The panel consists of louvers which pivot open and closed, with stiles on the sides, and rails on the top and bottom. Astragal is standard on the back of the left panel, and provides a light blocking feature.

Operating Systems

Shutter louvers open and close using either a tilt bar linked to the louvers, or an internal gear system located in the stiles. Palm Beach™ Polysatin™ Shutters have variable louver spacing.

Traditional Front Tilt

A traditional front tilt bar can be ordered on the front center of the panel (F), on the front hinge side of the panel (FH), or the front opposite hinge side of the panel (FO). It is connected to the edge of the louvers with the tilt bar Duralink™ cufflinks. Open and close louvers together using the tilt bar.

Important:

Do not open or close the shutter panels by pulling or pushing on the tilt bar.

HiddenTilt™

HiddenTilt™ is a patented operating system that provides expanded view-through with no visible tilt bar.

HiddenTilt™ with SoftClose™ Louvers

A patented, self-closing mechanism featuring smooth, controlled louver closure with a single touch, and louver alignment across panels with five pre-set louver positions for adjustable light control and privacy. The pre-set louver positions include fully open for maximum view-through, half closed up or half closed down, and privacy settings.

Notes

- The speed of louver closure, the initial force to open louvers and the tension felt while rotating louvers will all vary depending on panel and louver size.
- The five Quick Align™ pre-set louver positions can be subtle to the touch. Due to variations in panel and louver size, the sensitivity to the pre-set locations may vary.

PowerView® Gen 3 Automation

An automated control system that offers state-of-the-art convenience and control with the touch of a button to tilt louvers open or closed.

Divider Rail

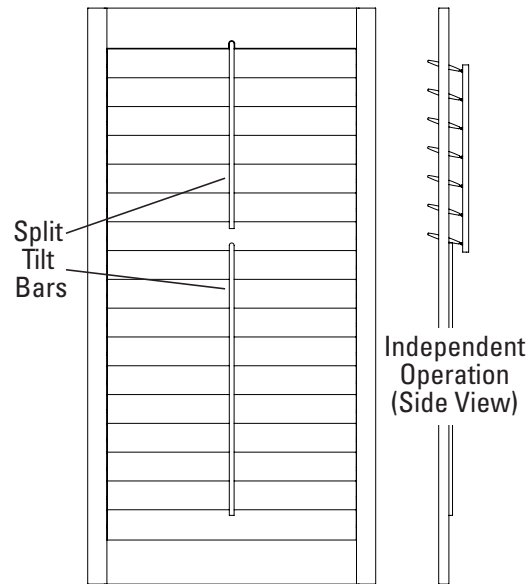
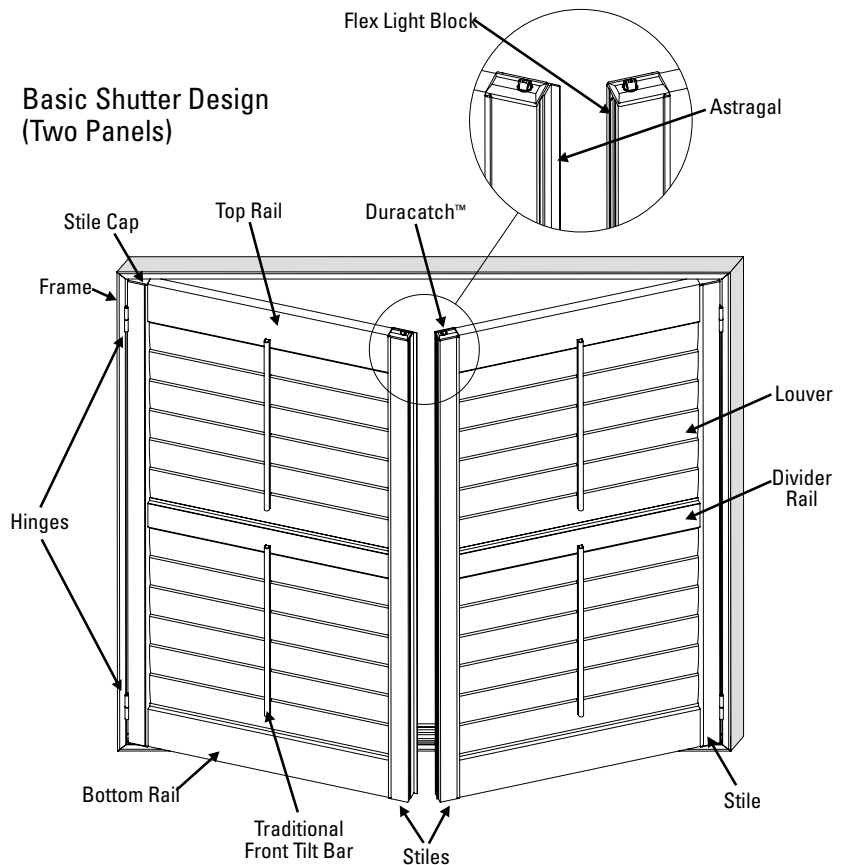
A divider rail is a fixed rail inserted between louvers for additional panel strength.

Split Tilt Bars

Split tilt bars can be specified for increased operational flexibility.

- Split front tilt bars can limit range of movement for both top and bottom sections.
- Split tilt bars can be specified on panels with or without divider rails.
- Enter split tilt height on the order form to indicate split tilt location
- Shutters with SoftClose louvers are available with up to one divider rail or one split tilt per panel.

Basic Shutter Design (Two Panels)



Louver Sections

A louver section is a group of louvers within a panel that tilt in unison. Ordering a divider rail or split tilt creates multiple louver sections which are operated independently.

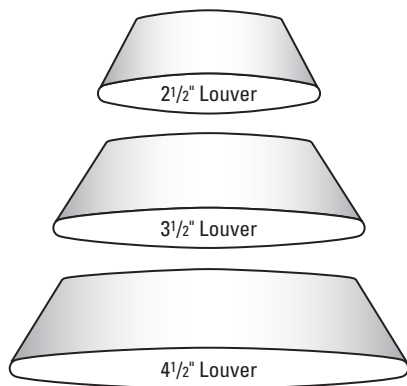
Shutter Basics

PALM BEACH™ POLYSATIN™ SHUTTERS

Louver Options

Louver Sizes

Three louver sizes are available: 2½", 3½", and 4½". They are supplied with "concealed louver caps" inset into the louver. This ensures a sleek, finished look.



Louver Closure

Palm Beach shutters feature up/down closure, and do not have mouse holes.

Product Color Options

Specify color number and name on the order form.

- 5136 Bright White
- 5137 White
- 5151 White Silk

Shutter Hinges

Hinges are available in a range of colors and finishes to coordinate with shutter color and room décor.

All shutter panels come standard with removable hinge pins packed in the hardware.

Notes

- Hinges are shipped attached to the panel and frame. If unattached hinges are desired, specify when ordering.

Hinge Color Options

Note that stainless steel hinges are available for a surcharge.

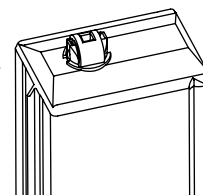
Recommended product colors are shown in parentheses.

- 006 Brass Finish
- 007 Antique Brass Finish
- 008 Brushed Nickel Finish
- 011 Stainless Steel
- 051 White Silk (5151 White Silk)
- 136 Bright White (5136 Bright White)
- 137 White (5137 White)

Panel Closure Options

Duracatch™ (D)

This exclusive spring-loaded roller closure system, with an adjustable tension feature, engages with a groove in the frame to securely hold the shutter panels closed.



Duracatch (D)

Magnets (M)

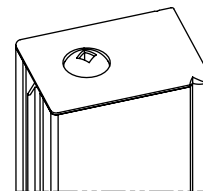
For some applications, magnets may be preferred to Duracatch™ to achieve proper panel closure. Adjustable (A) closure can be used with magnets.

Both (B)

If desired, both magnets and Duracatch may be ordered.

No Closure (N)

Shutters will be made with flat stile caps, and no magnets or Duracatch. Adjustable (A) stile caps may be used when No Closure is ordered.

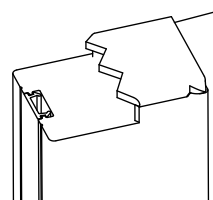


Adjustable (A)

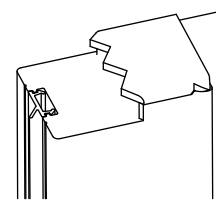
Light Block

Light block is inserted into the channel on the side of the stile.

It covers the panel assembly screws, and helps block light from passing between the panel and frame.



Standard Light Block



Flex Light Block

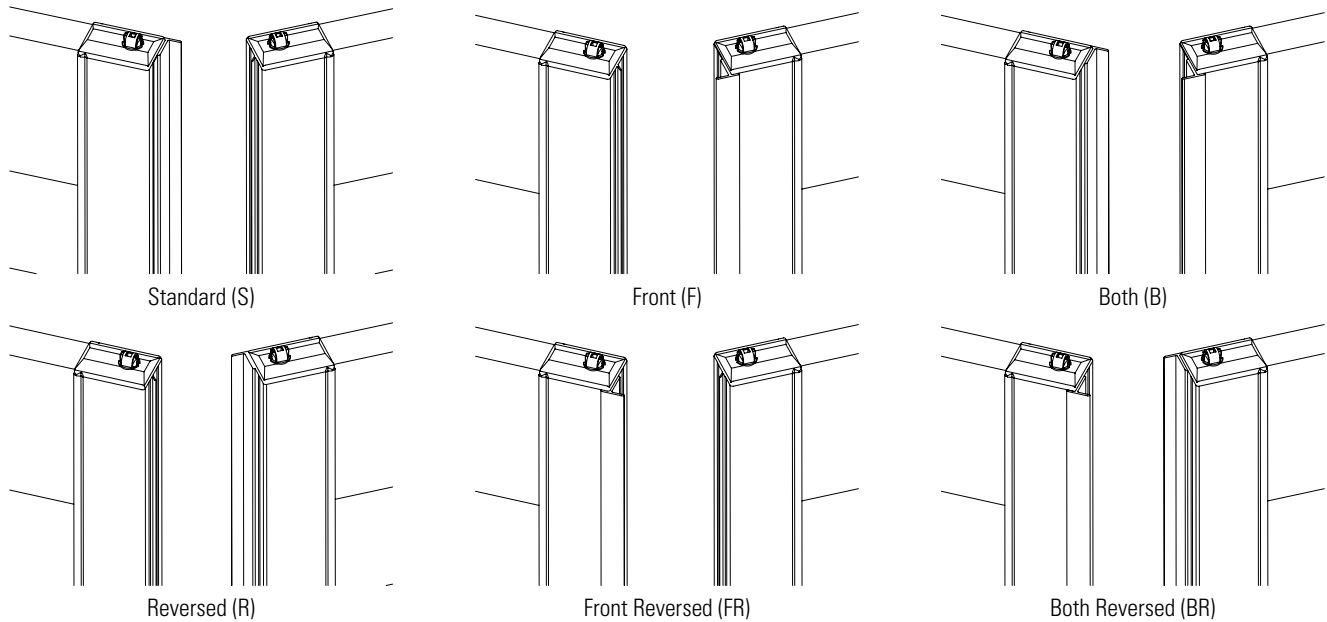
There are two light block options: standard light block which is flat, or flex light block which has a flexible rubber component.

Shutter Basics

PALM BEACH™ POLYSATIN™ SHUTTERS

Astragal

Astragal is a flange to cover the gap where two shutter panels meet. It helps to minimize the light passing between the panels. The available applications are:

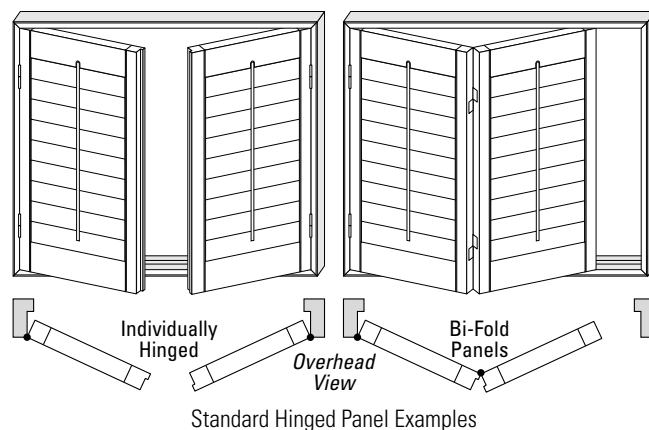


Standard Hinged Panels (SH)

Standard hinged panels can consist of multiple shutter panels in a variety of configurations. In addition to being hinged from the frames, panels may be hinged from T-Posts, which serve as intermediate vertical supports. Two panels may also be hinged together in a Bi-Fold panel design. Although unframed shutters are available, frames help compensate for out-of-square openings, offer superior light blockage and add a decorative style to the window or door opening.

Some of the more common types of standard hinged panels are illustrated in the Standard Hinged Panels™ section.

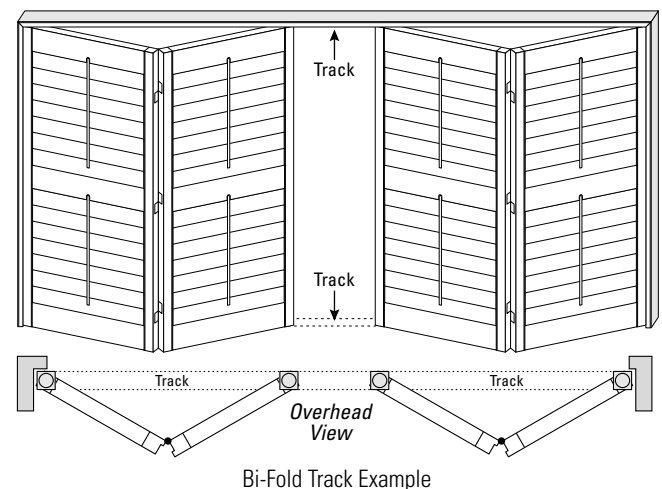
Standard hinged panels are also available in a variety of special applications, including French door shutters, café, and double-hung shutters, and shutters for bay and corner windows. These special applications are described in detail beginning with French Doors™.



Bi-Fold Track (BF)

In a Bi-Fold track configuration, the shutter panels are connected to a top track which both supports the panels and guides their folding movement. Up to eight panels may be hinged together in a Bi-Fold track configuration. A special Bi-Fold Track Frame is used with Bi-Fold track configurations. The frame accommodates the track and minimizes light leaks. The track may also be attached directly to the ceiling or inside the window opening without a frame. A bottom floor track is recommended for all Bi-Fold track configurations to minimize panel sag and keep the panels from swinging in and out of the opening.

Possible panel arrangements in a Bi-Fold track configuration are illustrated in Bi-Fold Track Configurations™.



Shutter Basics

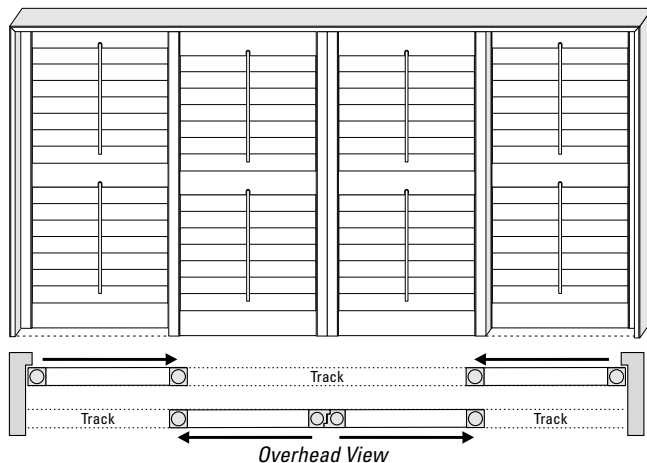
PALM BEACH™ POLYSATIN™ SHUTTERS

Bypass Track (BP)

Shutter panels in a Bypass track configuration are not hinged. Instead, they slide on top tracks to open and close. Two or three tracks are required so that the panels, or connected sets of panels, can slide past each other. The tracks can be attached to a special Bypass Track Frame or directly to the door opening. In door openings, the frames are usually three-sided, with floor guides attached to the floor.

SoftClose™ for Bypass is a mechanism for opening/closing bypass panels. It automatically slows panels as they approach the frame on either side of the unit, and gently brings them up against the frame. SoftClose for Bypass comes standard on Bypass, Open Bypass, and Bypass Triple Track Systems.

Panel configurations for Bypass track configurations are illustrated in Bypass Track Configurations™.



Bypass and Bypass Open Louver Track Example

Bypass Open Louver Track (BO)

The Bypass Open Louver track configuration is similar to the Bypass track configuration except it has additional projection so that louvers can be opened when the panels are positioned in front of one another. A maximum of two tracks is allowed with this configuration.

Bypass Triple Track (BT)

The Bypass Triple Track configuration uses the same frame as the Bypass Open Louver configuration, but with three tracks instead of two. Available in select panel configurations, the use of three tracks increases the view to two-thirds of the opening instead of one-half with a standard Bypass track configuration.

Specialty Shapes

The Palm Beach™ product line includes a wide variety of specialty shapes with horizontal louvers, available framed or unframed. Refer to Specialty Shapes™.

Skylights

Palm Beach shutters are not recommended for skylight applications. If installed in a skylight, warping of the frame and/or louvers may occur.

Standard Hinged Panels

PALM BEACH™ POLYSATIN™ SHUTTERS

Frames and Louver Clearances

Frame Terminology

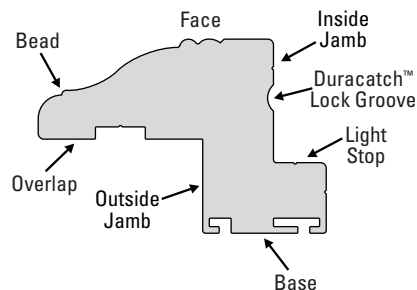
Common frame terminology is shown in the illustration at right.

Louver Rear Clearances

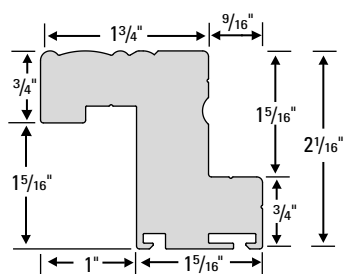
When selecting frames, louver size, and mounting style, it is important to consider the amount of clearance between the rear of open louvers and the glass, mullions, or other architectural features, or obstructions such as window cranks or handles.

Notes

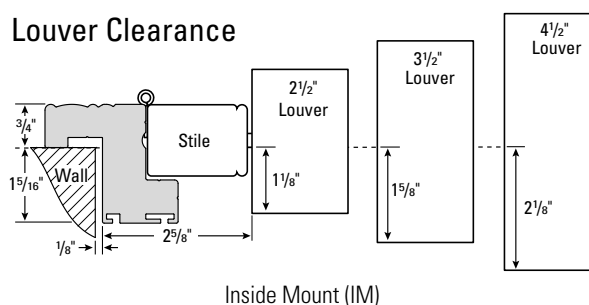
- With all frame types, allow an additional $\frac{1}{4}$ " for louver clearance from the back edge of the louvers.
- Always check for obstructions.



Standard Z-Frame (Z21)



Louver Clearance



Features

Designed with classic beading on the face, the Standard Z-Frame gives the window a finished look by providing a $1\frac{3}{4}$ " wide frame around the opening. It is installed inside the window opening at a depth of $1\frac{5}{16}$ " plus louver clearance, if necessary. The face provides an overlap of 1" to accommodate out-of-square windows.

- Mounting type: inside mount
- Minimum mounting depth: $1\frac{5}{16}$ "
- Face width: $1\frac{3}{4}$ "
- Base width: $1\frac{5}{16}$ "
- L-Frame can be used as Sill Frame

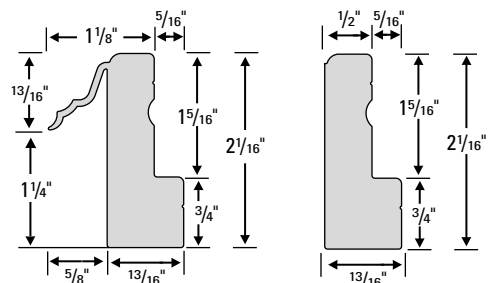
Notes

- The distance that the frame flange overlaps the wall may vary due to installation allowances and ordered size.

Standard Hinged Panels — Frames and Louver Clearances

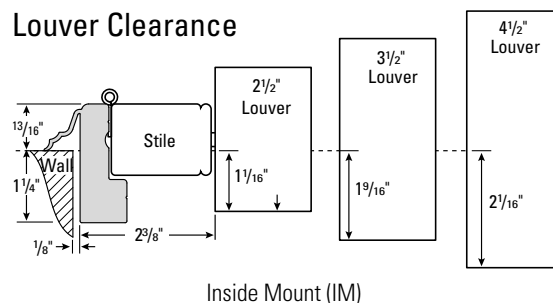
PALM BEACH™ POLYSATIN™ SHUTTERS

Decorative Z-Frame (Z22)



Decorative/Classic
Z-Sill Frame (S22)

Louver Clearance



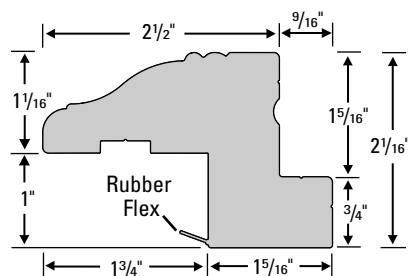
Features

The flange of the Decorative Z-Frame blends well with existing trim. The frame is installed in the window opening at a depth of $1\frac{1}{4}"$ plus louver clearance, if necessary. The face provides an overlap of $\frac{5}{8}"$ to easily accommodate out-of-square windows.

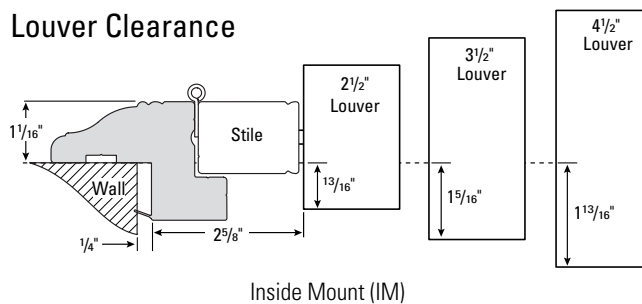
The Decorative Z-Frame may be ordered with the Decorative/Classic Z-Sill Frame at the bottom for openings with a window sill.

- Mounting type: inside mount
- Minimum mounting depth: $1\frac{1}{4}"$
- Face width: $1\frac{1}{4}"$
- Base width: $\frac{13}{16}"$
- Decorative/Classic Z-Sill Frame (S22) is the Sill Frame option

Colonial Z-Frame (Z23)



Louver Clearance



Features

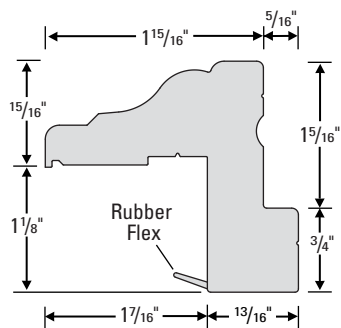
The $2\frac{1}{2}"$ face of the Colonial Z-Frame adds elegance to any installation with its decorative and timeless design. It is installed inside the window opening at a depth of $1"$ plus louver clearance, if necessary. The face provides an overlap of $\frac{13}{4}"$ to easily accommodate out-of-square windows. The frame has a flexible strip that extends from the back of the frame to cover the gap between the frame and the wall, concealing installation screws.

- Mounting type: inside mount
- Minimum mounting depth: $1"$
- Face width: $2\frac{1}{2}"$
- Base width: $\frac{15}{16}"$
- L-Frame is used as Sill Frame

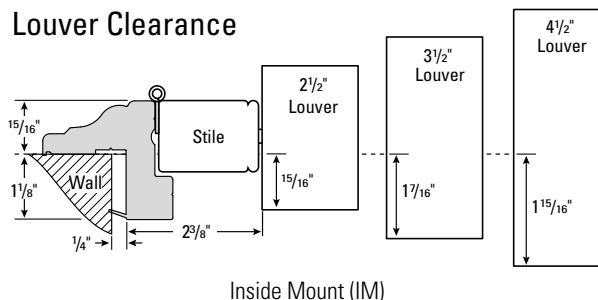
Standard Hinged Panels — Frames and Louver Clearances

PALM BEACH™ POLYSATIN™ SHUTTERS

Classic Z-Frame (Z24)



Louver Clearance



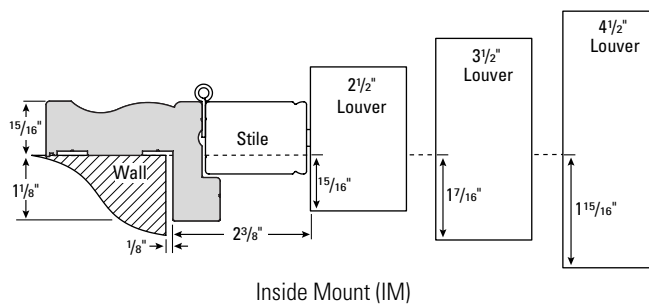
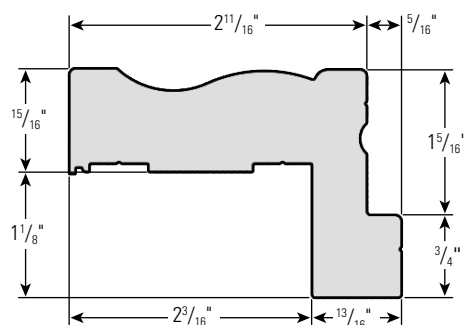
Inside Mount (IM)

Features

The 2" face of the Classic Z-Frame is designed to coordinate with most trim and molding. It is installed inside the window opening at a depth of $1\frac{1}{8}$ " plus louver clearance, if necessary. The face provides an overlap of $1\frac{7}{16}$ " to easily accommodate out-of-square windows. The frame has a flexible strip that extends from the back of the frame to cover the gap between the frame and the wall, concealing installation screws.

- Mounting type: inside mount
- Minimum mounting depth: $1\frac{1}{8}$ "
- Face width: 2"
- Base width: $1\frac{13}{16}$ "
- Decorative/Classic Z-Sill Frame (S22) is the Sill Frame option

Deluxe Z-Frame (Z25)



Inside Mount (IM)

Features

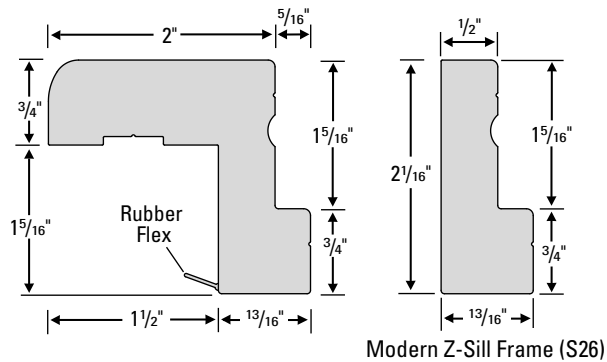
The $2\frac{11}{16}$ " face of the Deluxe Z-Frame provides a finished look to windows without decorative trim. The frame is installed in the window opening at a depth of $1\frac{1}{8}$ ", plus louver clearance. The face provides a generous overlap of $2\frac{3}{16}$ " to easily accommodate out-of-square windows, or conceal damage from trim that has been removed. The Deluxe Z-Frame may be ordered with the Decorative/Classic Z-Sill Frame at the bottom for openings with a window sill.

- Mounting type: inside mount
- Minimum mounting depth: $1\frac{1}{8}$ "
- Face width: $2\frac{11}{16}$ "
- Base width: $1\frac{13}{16}$ "
- Decorative/Classic Z-Sill Frame (S22) is the Sill Frame option

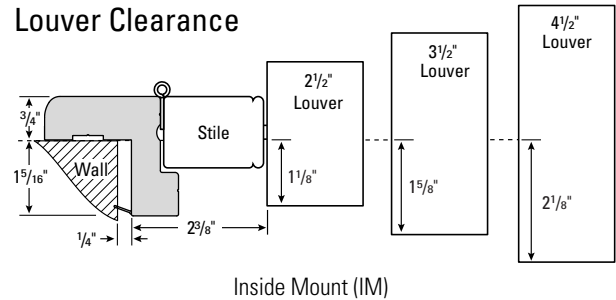
Standard Hinged Panels — Frames and Louver Clearances

PALM BEACH™ POLYSATIN™ SHUTTERS

Modern Z-Frame (Z26)



Louver Clearance



Features

The 2" face of the Modern Z-Frame provides a clean and sleek aesthetic. The frame is installed in the window opening at a depth of 1 5/16". The face provides an overlap of 1 1/2" to easily accommodate out-of-square windows. The frame has a flexible strip that extends from the back of the frame to cover the gap between the frame and the wall, concealing installation screws.

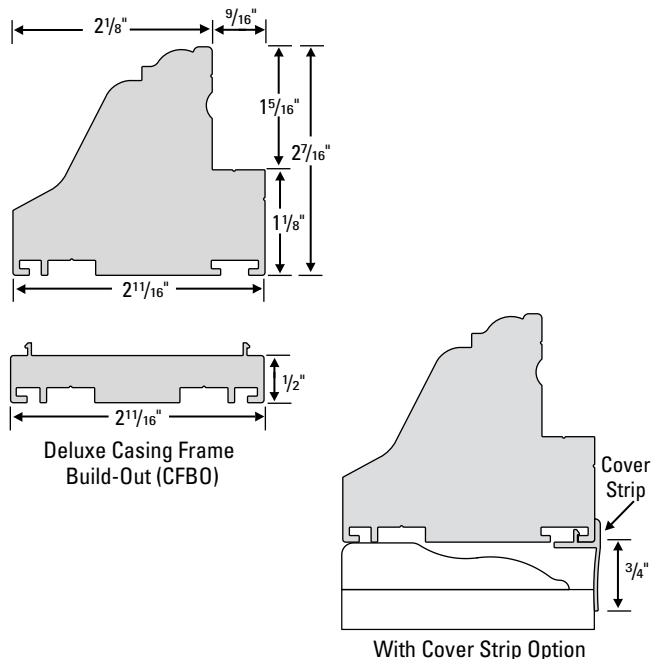
The Modern Z-Frame may be ordered with the Modern Z-Sill Frame at the bottom for openings with a window sill.

- Mounting type: inside mount
- Minimum mounting depth: 1 5/16"
- Face width: 2"
- Base width: 13/16"
- Modern Z-Sill Frame (S26) is the Sill Frame option

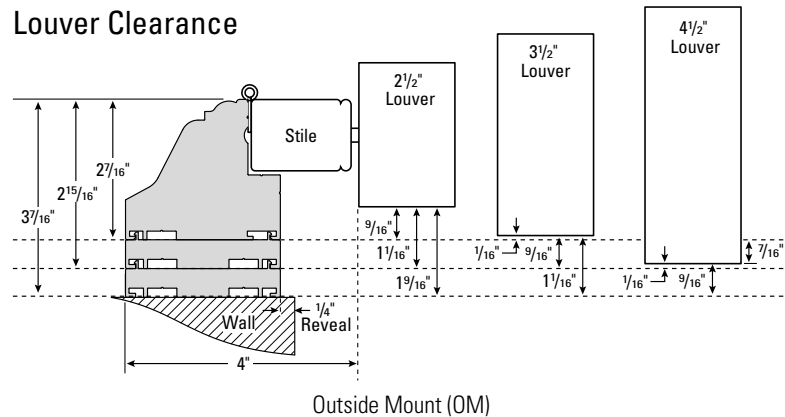
Standard Hinged Panels — Frames and Louver Clearances

PALM BEACH™ POLYSATIN™ SHUTTERS

Deluxe Casing Frame (C21)



Louver Clearance



Features

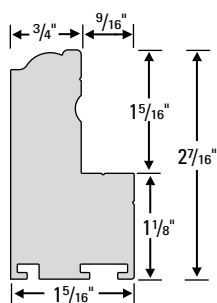
The Deluxe Casing Frame is designed to be mounted on the outside perimeter of the window opening to create the look of a decorative molding. Its base of 2 11/16" allows it to be mounted over molding in many cases.

When installing on top of an existing trim, an optional Casing Frame Cover Strip may be ordered. The Casing Frame Cover Strip covers the gap created between the back of the frame and the front of the trim. The cover strip is inserted into the Casing Frame.

The Deluxe Casing Frame Build-Out adds projection to the Deluxe Casing Frame in 1/2" increments.

- Mounting type: outside mount
- Face width: 2 1/8"
- Base width: 2 11/16"
- Installed on the wall or directly on top of an existing trim
- Deluxe Casing Sill/Extended L-Frame (S21) can be used as Sill Frame

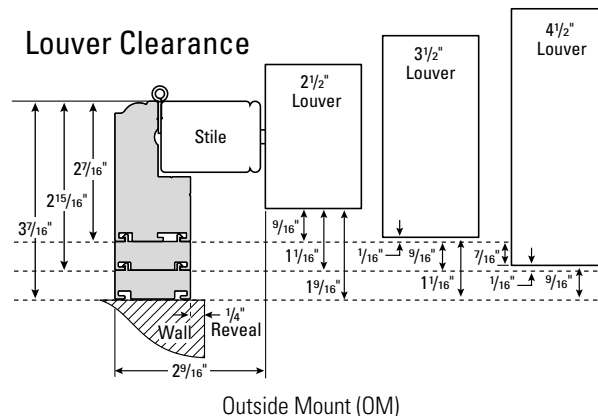
Deluxe Casing Sill/Extended L-Frame (S21)



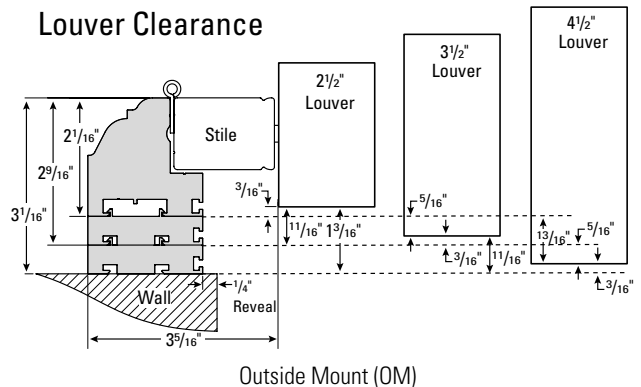
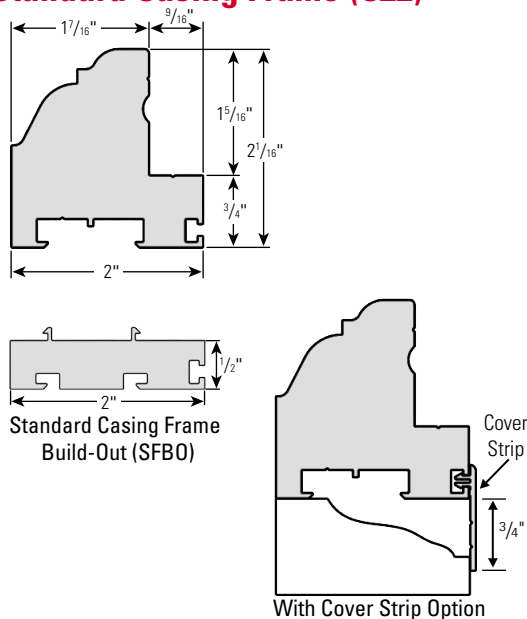
Features

- Mounting type: inside or outside mount
- Flush inside mounting depth: 2 7/16" (plus louver clearance if necessary)
- Minimum flat outside mounting surface: 1 5/16"
- Face width: 3/4"
- Base width: 1 5/16"
- Also available as four-sided frame

Louver Clearance



Standard Casing Frame (C22)



Features

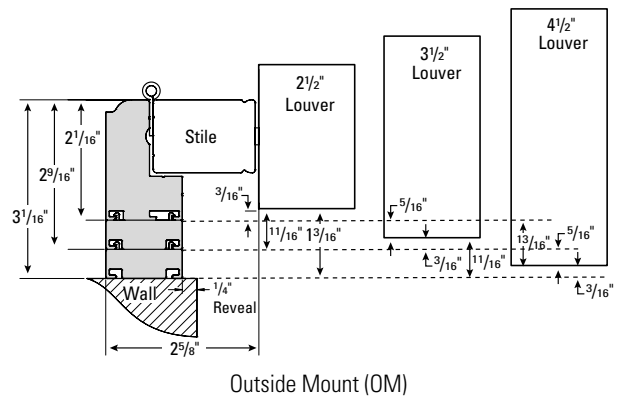
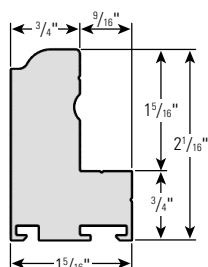
The Standard Casing Frame is designed to be mounted on the outside perimeter of the window opening to create the look of a decorative molding, and is smaller than the Casing Frame. Its base of 2" allows it to be mounted over molding in many cases.

When installing on top of an existing trim, an optional Standard Casing Frame Cover Strip may be ordered. The Standard Casing Frame Cover Strip covers the gap created between the back of the frame and the front of the trim. The cover strip is inserted into the Standard Casing Frame.

The Standard Casing Frame Build-Out adds projection to the Standard Casing Frame in 1/2" increments.

- Mounting type: outside mount
- Face width: 1 7/16"
- Base width: 2"
- Installed on the wall or directly on top of an existing trim
- Standard Casing Sill/Decorative L-Frame (S27) can be used as Sill Frame

Standard Casing Sill/Decorative L-Frame (S27)



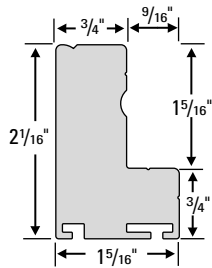
Features

- Mounting type: inside or outside mount
- Flush inside mounting depth: 2 1/16" (plus louver clearance if necessary)
- Minimum flat outside mounting surface: 1 5/16"
- Face width: 3/4"
- Base width: 1 5/16"
- Also available as four-sided frame

Standard Hinged Panels — Frames and Louver Clearances

PALM BEACH™ POLYSATIN™ SHUTTERS

Standard L-Frame (L21)



Features

As an inside mount, the frame is installed directly into the window opening. It may be mounted at various depths within the opening, depending on clearance.

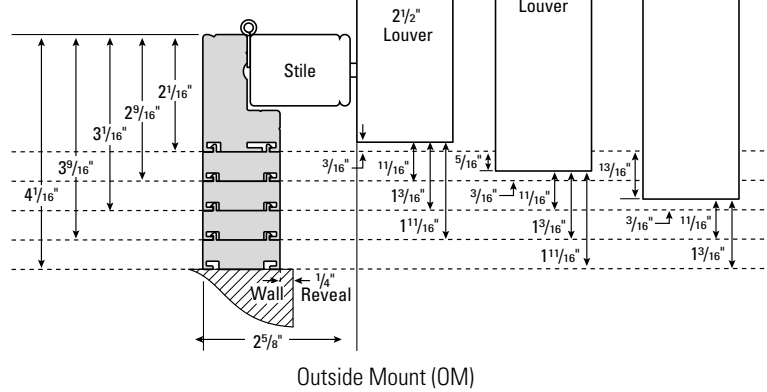
As an outside mount, the frame can be mounted on the outside perimeter of the window opening.

Notes

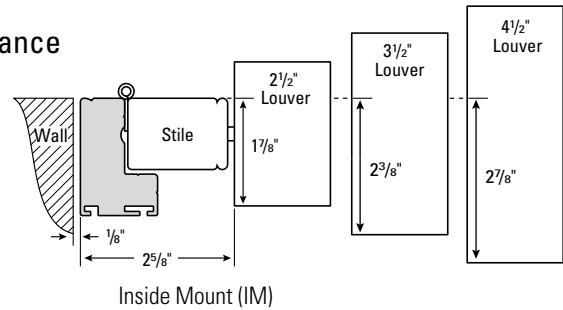
Outside mount L frames are not punched for the corner key since the punched hole would be visible. Glue is used to lock the key in place.

- Mounting type: inside or outside mount
- Flush inside mounting depth: $2\frac{1}{16}$ " (plus louver clearance if necessary)
- Minimum flat outside mounting surface: $1\frac{5}{16}$ "
- Face width: $\frac{3}{4}$ "
- Base width: $1\frac{5}{16}$ "
- L-Frame is used as Sill Frame

Louver Clearance

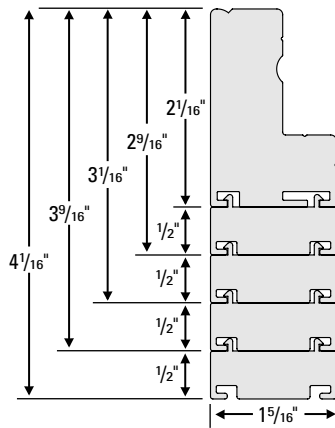


Louver Clearance



L-Frame Build-Out (LFB0)

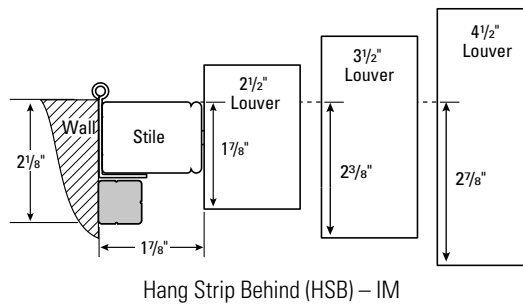
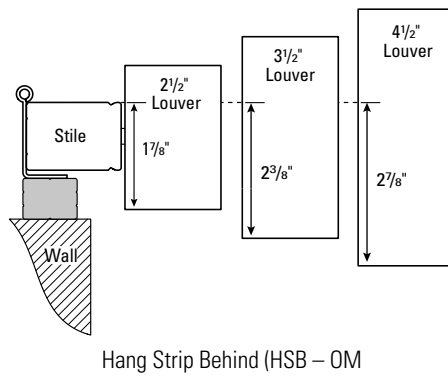
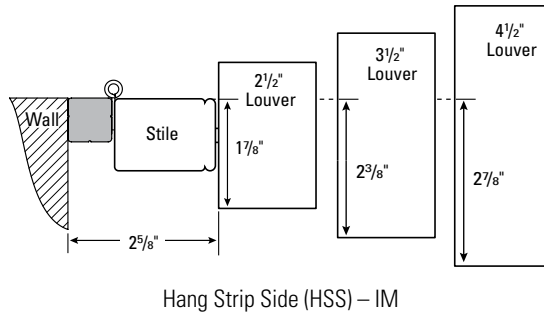
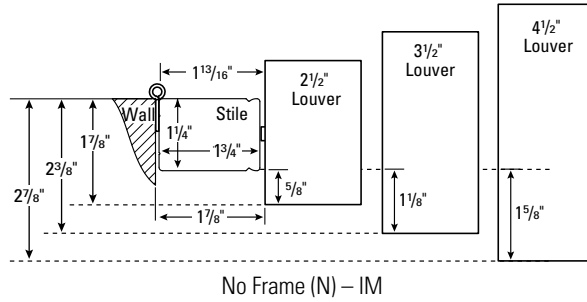
Example of
Standard L-Frame (L21)
with Four Build-Outs



The L-Frame Build-Out adds projection to the Standard L-Frame, Deluxe Casing Sill/Extended L-Frame, or **Standard Casing Frame/Decorative L-Frame** in $\frac{1}{2}$ " increments.

PALM BEACH™ POLYSATIN™ SHUTTERS

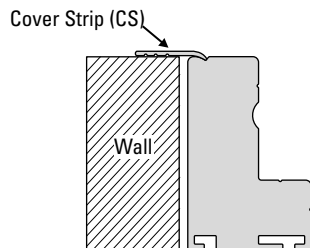
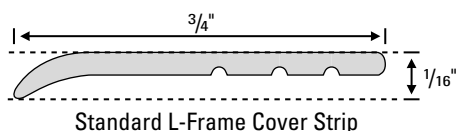
Louver Clearances



Standard Hinged Panels — Frames and Louver Clearances

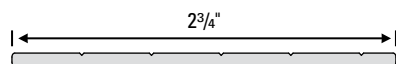
PALM BEACH™ POLYSATIN™ SHUTTERS

Standard L-Frame Cover Strip (CS)



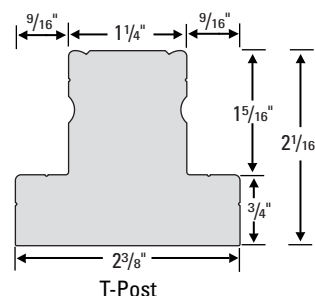
- The optional Standard L-Frame Cover Strip can be used to cover light gaps between the frame and window opening, installation screws, and window irregularities. It is available on all inside mount (IM) L-Frame applications.
- Cover Strip is supplied in 16-foot rolls.
- Scoring lines allow for custom sizing.
- Glued to the front or back of the frame during installation.

Scribe (SCR)



- Thin piece of flat vinyl that can be cut into strips or small pieces and used as shims. Can also be added behind or on the side of a panel or frame in order to block light. Includes five score lines spaced $\frac{1}{2}$ " apart for easy cutting and measuring.

T-Post (T)



Features

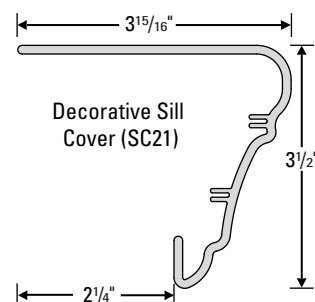
T-Posts are vertical components of the shutter frame that separate the frame into multiple panel sets. Shutter panels are hinged within each set. T-Posts allow for placement of more panels (or panel sets) within the same opening, and add structural integrity to a shutter.

- Face width: $1\frac{1}{4}$ "
- Base width: $2\frac{3}{8}$ "
- Notched to fit into the frames or can be installed to an existing opening with L-brackets.

Notes

- Vertical T-Posts are not recommended with three-sided or café applications due to possible lack of a stable mounting surface.
- Vertical T-Posts are recommended on standard hinged, bi-fold panels where the width is greater than the height. Example: LLRR should be ordered as LRTLRL.
- T-Posts can also be used horizontally in Double-Hung applications.

Decorative Sill Cover (SC21)



Features

The decorative sill cover is perfect for covering projecting window sills and can also be used on drywall openings to create the look of a custom trimmed window.

- Mounting type: inside or outside mount
- Minimum mounting depth: matches frame used on opening
- Face height: $3\frac{1}{2}$ "
- Can be used with three- and four-sided framed units as well as unframed applications
- Four-sided framed applications require a Sill Frame bottom.
- Decorative sill covers cannot be used with build-out.

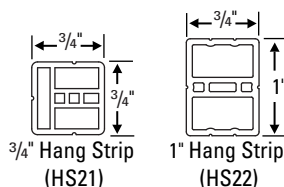
Notes

- Depth will vary based on sill type.

Standard Hinged Panels — Frames and Louver Clearances

PALM BEACH™ POLYSATIN™ SHUTTERS

Hang Strip (HS21/HS22)

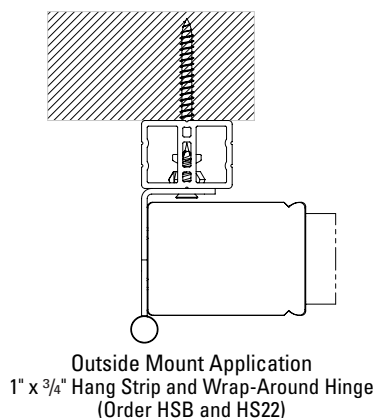
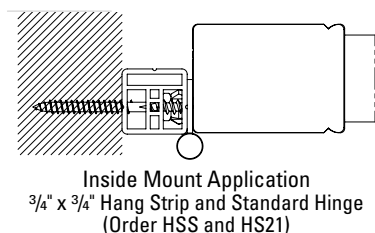
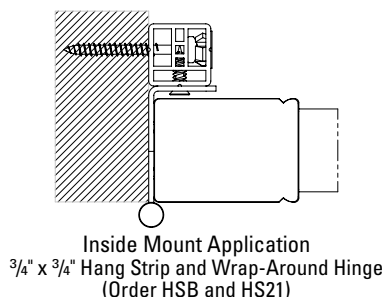


Features

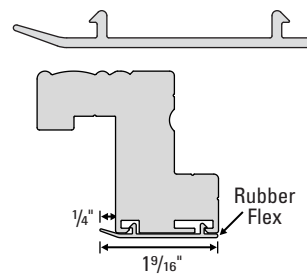
The Hang Strip can be used as an alternative mounting method when regular frames are not appropriate or desired. A two-sided framing option, the Hang Strip can be inside or outside mounted. The Hang Strip can be mounted to the side(s) (HSS) of the shutter panel or behind it (HSB). Hang Strip to the side (HSS) applications can only be ordered as inside mount (IM).

On IM applications, the Hang Strip height will be 1/16" shorter than the ordered height to ensure there is space for mounting to the inside of the opening. When ordering Hang Strips, two pieces of light block will be provided for the top and bottom of the opening for inside mount only.

Applications



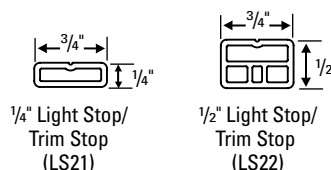
Rubber Flex (RF)



Standard Z-Frame with Rubber Flex

- Optional feature designed to minimize light gaps on the back of the Standard Z-Frame, Standard L-Frame, Deluxe Casing Sill/ Extended L-Frame, and Standard Casing Sill/Decorative L-Frame, if an inside mount.
- When rubber flex is ordered, an additional 3/16" deduction is taken per frame side.
- Rubber flex is standard on the Colonial Z-Frame, Classic Z-Frame, and Modern Z-Frame; it is not available on the Decorative Z-Frame or Deluxe Z-Frame.

Light Stop/Trim Strip (LS21/LS22)



- Light Stop/Trim Strip is used to finish an installation when ordered as lineal material, or as a filler strip.

Notes

- All frames are designed with integrated light stops.
- For Hang Strip inside mount applications or on sides where there are no frames, light block will be sent to cover the gap between the panel and the opening. Available light block options are 1/4" Light Stop/Trim Strip, 1/2" Light Stop/Trim Strip, and 3/4" Hang Strip.
- Light Stop is not included as standard for tops of café units, track configurations, or 3D applications.
- Additional Light Stop/Trim Strip or Hang Strip may be ordered as lineal material for finishing or detailing the installation.
- For Hang Strip Behind or No Frame applications where magnets are ordered instead of Duracatch™ panel locks, sagging may occur due to lack of support for the panels.

Standard Hinged Panels

PALM BEACH™ POLYSATIN™ SHUTTERS

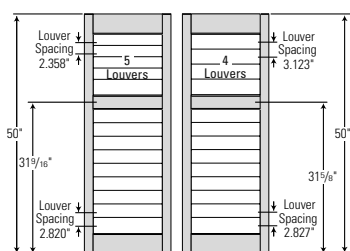
Measuring Guidelines

Importance of Accuracy

Proper fit requires precise, accurate measurements. It is essential to use a quality steel tape measure. Measure all windows, even though they may appear to be identical. Measurements should indicate the width first, then the height. Always measure to the nearest $\frac{1}{16}$ ".

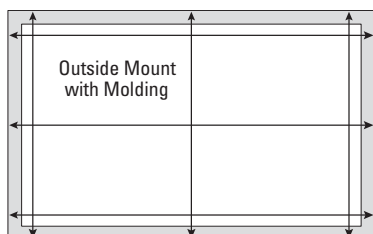
Notes

- Cranks, latches, depth, and squareness of the window opening must also be considered.
- Ordering openings with minor height variations may result in differences in louver count, louver spacing, divider rail placement, and rail size as shown in the example below. To avoid this issue, order all openings of similar height with the exact same height, divider rail location, split tilt, etc.



Outside Mount on Molding

1. Measure the width and height from outside of molding to outside of molding in three places, as indicated below. Order the **largest** size.



Ordered measurements will be the finished size of the shutter including the frame.

Outside Mount L Frames Around Molding

Notes

Take into consideration the construction of the window to ensure sufficient mounting space and a secure attachment to the wall stud or window framing.

1. Measure the width and height in three places, as described above.
2. To determine ordered size, add the appropriate overlap factors from the Outside Mount Frame Overlap chart.

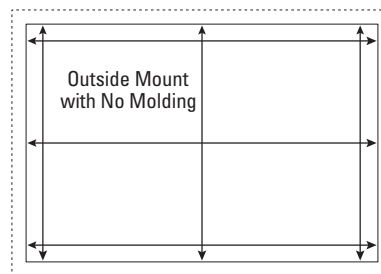
Ordered measurements will be the finished size of the shutter including the frame.

Notes

- Depending on molding width, molding may be visible when the louvers are open. Check for louver clearance to determine if build-out is required.

Outside Mount L Frames or Deluxe Casing Frame (No Molding)

1. Measure the width and height inside the opening in three places, as indicated below. Record all measurements.



2. To determine ordered size, add the appropriate overlap factors from the Outside Mount Frame Overlap chart.

The ordered measurements will be the finished size of the shutter including the frame.

Outside Mount Frame Overlap

| Frame Type | Overlap per Frame Side |
|---|------------------------|
| Standard L-Frame (L21) | $1\frac{9}{16}$ " |
| Deluxe Casing Sill/Extended L-Frame (S21) | $1\frac{9}{16}$ " |
| Decorative/Classic Z-Sill Frame (S22) | $1\frac{1}{16}$ " |
| Standard Casing Sill/Decorative L-Frame (S27) | $1\frac{9}{16}$ " |
| Deluxe Casing Frame (C21) | $2\frac{15}{16}$ " |
| Standard Casing Frame (C22) | $2\frac{1}{4}$ " |

Notes

- Overlap factor provides for frame base plus $\frac{1}{4}$ " reveal per frame side. Add additional reveal when required.

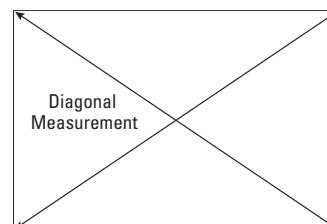
Inside Mount with L Frames or Z Frames

Z frames require these flat surfaces around the opening for the frame overlap (per frame side):

- Standard Z-Frame (Z21): 1"
- Decorative Z-Frame (Z22): $\frac{5}{8}$ "
- Colonial Z-Frame (Z23): $1\frac{1}{2}$ "
- Classic Z-Frame (Z24): $1\frac{3}{16}$ "
- Deluxe Z-Frame (Z25): $2\frac{9}{16}$ "
- Modern Z-Frame (Z26): $1\frac{1}{4}$ "

L frames fit inside the opening and require no overlap.

1. Measure the width inside the opening at the top, middle, and bottom. Order the **smallest** size.
2. Measure the height inside the opening at the left, center, and right. Order the **smallest** size.
3. To determine squareness, measure diagonally from top left to bottom right from top right to bottom left. If the measurements are not equal, the opening is not square. If the measured difference is greater than $\frac{1}{2}$ ", reduce the ordered size accordingly or consider an outside mount.



Minimum Mounting Depths

For minimum mounting depths refer to Standard Hinged Panels™.

Standard Hinged Panels — Measuring Guidelines

PALM BEACH™ POLYSATIN™ SHUTTERS

Inside Mount Deductions

Your ordered measurements are the size from which deductions will be taken at the factory. Follow the same measuring procedures (steps 1, 2, and 3) as shown for inside mounts with L frames or Z frames.

Inside Mount Framed Deductions — Without Rubber Flex

| Frame Type | Width | Height |
|---------------------------------|---------|---------|
| 4-Sided Frames | $-1/4"$ | $-1/4"$ |
| 4-Sided Frames with Sill Bottom | $-1/4"$ | $-1/4"$ |
| 3-Sided Frames with no Bottom | $-1/4"$ | $-1/8"$ |

Notes

- All deductions are taken from ordered dimensions and may vary $\pm 1/16"$.
- Does not include Colonial Z-Frame (Z23), Classic Z-Frame (Z24), or Modern Z-Frame (Z26).

Inside Mount Framed Deductions — with Rubber Flex

| Frame Type | Width | Height |
|---|---------|----------|
| Colonial Z-Frame (Z23), Classic Z-Frame (Z24), Modern Z-Frame (Z26) | | |
| — 4-Sided Frames | $-1/2"$ | $-1/2"$ |
| — 4-Sided Frames with Sill Bottom | | |
| Colonial Z-Frame | $-1/2"$ | $-7/16"$ |
| Classic Z-Frame, Modern Z-Frame | $-1/2"$ | $-3/8"$ |
| — 3-Sided Frames with no Bottom | $-1/2"$ | $-1/4"$ |
| All Other Frames ¹ | | |
| — 4-Sided Frames | $-3/8"$ | $-3/8"$ |
| — 4-Sided Frames with Sill Bottom | $-3/8"$ | $-3/8"$ |
| — 3-Sided Frames with no Bottom | $-3/8"$ | $-3/16"$ |

¹ Does not include Decorative Z-Frame (Z22) or Deluxe Z-Frame (Z25), which have no Rubber Flex option.

Notes

- All deductions are taken from ordered dimensions and may vary $\pm 1/16"$.

Inside Mount No Frame Deductions

| Frame Type | Width | Height |
|------------------|----------|---------|
| Panel Deductions | $-3/16"$ | $-1/4"$ |

Notes

- All deductions are taken from ordered dimensions and may vary $\pm 1/16"$.
- Hinge thickness consumes half of width deduction.

Inside Mount Hang Strip Behind (HSB) and Hang Strip to the Side (HSS) Deductions

| Frame Type | Width | Height |
|----------------------------------|----------|----------|
| Panel Deductions | $-3/16"$ | $-1/4"$ |
| Frame Deductions — 1- or 2-Sided | 0" | $-1/16"$ |

Notes

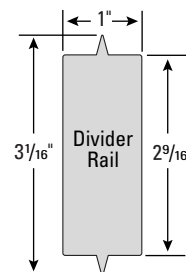
- All deductions are taken from ordered dimensions and may vary $\pm 1/16"$.
- With 3-sided door applications (3D), the factory will provide $5/8"$ panel-to-floor deduction.
- Light Stop is recommended to minimize the light gaps around panels. It must be ordered in the Frame Detail.
- For Hang Strip Behind or No Frame applications where magnets are ordered instead of Duracatch™ panel locks, sagging may occur due to lack of support for the panels.

Measuring for Divider Rails and Split Tilt

Divider Rails

Divider rails add strength to shutter panels while providing versatility. With a divider rail in place, the separate sections of the shutter panel operate independently of each other.

One divider rail is required for panels greater than 66" in height. Two divider rails are required for panels greater than 96" in height. See Size Standards™ for more information on divider rail placement.



Notes

- Shutters with SoftClose™ louvers are available with up to one divider rail or one split tilt per panel.
- Center of divider rail will be located exactly as ordered. Louver spacing above and below divider rail may vary.
- In the closed position, the ordered split tilt height will be covered by the lower louver section.
- The top of the louver in the lower louver section, in the closed position, may be above the ordered split tilt location by as much as 2" with $2 1/2"$ louvers, 3" with $3 1/2"$ louvers, and 4" with $4 1/2"$ louvers. If location is critical, contact Customer Service.

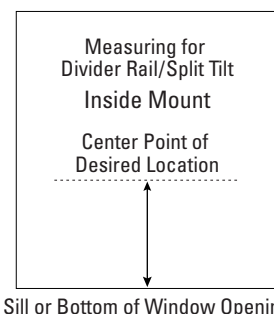
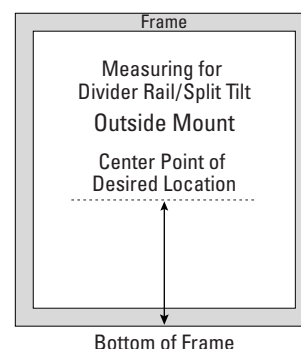
Divider Rail/Split Tilt Location

The divider rail/split tilt should be placed to meet customers' needs. You must indicate the location of the divider rail/split tilt.

Note

With multiple windows in the same room, order the same heights whenever possible to avoid visual misalignment.

- Outside mount:** measure from the bottom of where the frame will be located to the center point of the desired location.
- Inside mount:** measure from the bottom inside of the opening to the center point of the desired location.
- Three-sided frame:** measure from the floor or sill to the center point of the desired location.



These are the requirements when specifying divider rail or split tilt locations:

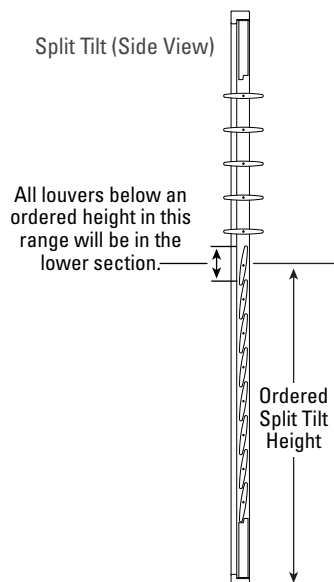
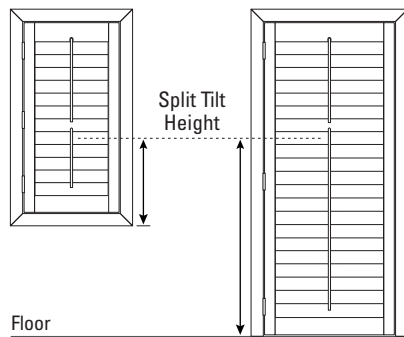
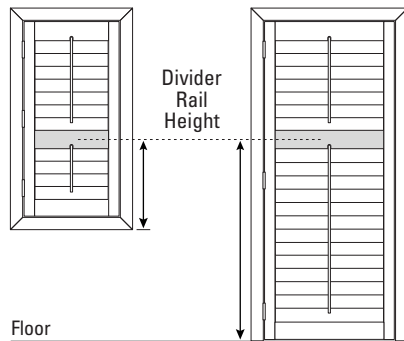
- Minimum of two louvers between rails.
- Maximum distance from center of the divider rail to the center of other divider rails, or to the top and bottom of a shutter panel, is 66".

Standard Hinged Panels — Measuring Guidelines

PALM BEACH™ POLYSATIN™ SHUTTERS

Specifying Divider Rail/Split Tilt Locations on Windows of Different Heights

1. Determine the common divider rail location for all windows.
2. Mark the location on the molding or wall at the first window.
3. Measure from the floor to the mark.
4. Carry that measurement from the floor to all the other windows and mark the molding or wall at each location.
5. Then measure up to the mark at all windows, following the procedure for outside mounts, inside mounts or three-sided frames.



Standard Hinged Panels — Measuring Guidelines

PALM BEACH™ POLYSATIN™ SHUTTERS

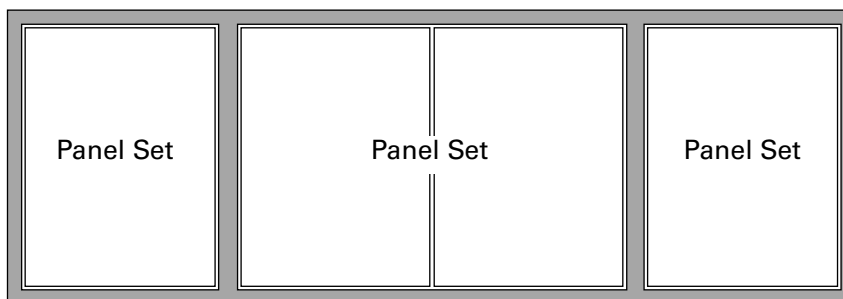
Openings with T-Posts

- A T-Post is a vertical component of the shutter frame that separates the frame into multiple panel sets. Shutter panels are hinged within each set.
- T-Posts allow for placement of more panels (or panel sets) within the same opening, and add structural integrity to a shutter.
- T-Posts can be ordered as EQP or measured.

EQP T-Posts

- All panels in the opening are equal in width.
- T-Post positions are predetermined based on the shutter configuration.
- T-Post and panel width measurements are not required.

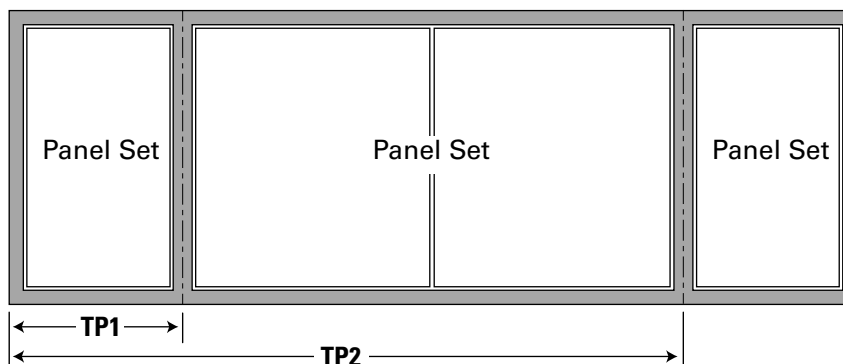
EQPT-Posts



Measured T-Posts With Even Panels

Measured T-Posts With Even Panels

- Panel widths are equal within each panel set.
- T-Post positions are measured.
- T-Post measurements (TP1, TP2, etc.) are required.
- Panel width measurements are not required.



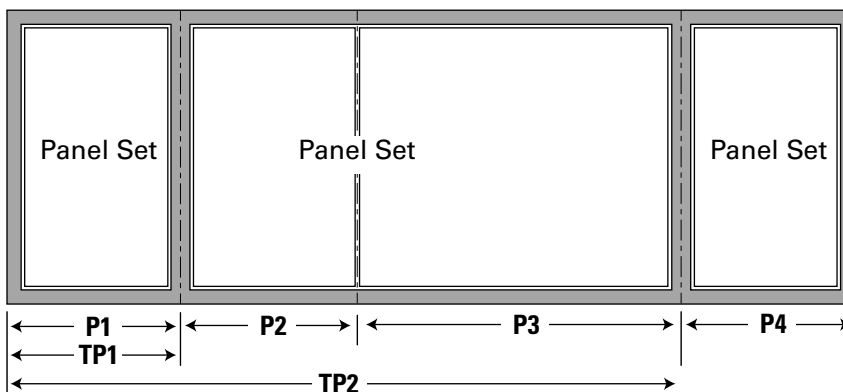
Measured T-Posts With Uneven Panels

Measured T-Posts With Uneven Panels

- Panel widths are not equal within each panel set.
- T-Post positions are measured.
- T-Post measurements (TP1, TP2, etc.) are required.
- Panel width measurements (P1, P2, etc.) are required.

Example shown on the right:

- P1 must be equal to TP1
- $P1 + P2 + P3$ must be equal to TP2
- $P1 + P2 + P3 + P4$ must be equal to the ordered width



Measuring for T-Posts

1. Measure from the left-most point of the overall ordered width (for outside mount, include frame adder) to the center of the first desired T-Post location.
2. Measure from the left-most point of the overall ordered width to the center of the second desired T-Post location.
3. Repeat this procedure for any additional T-Post locations.
4. Enter the desired T-Post locations in designated section of the order form.

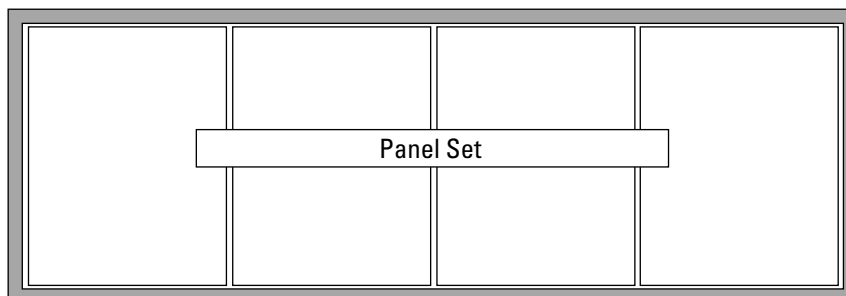
Standard Hinged Panels — Measuring Guidelines

PALM BEACH™ POLYSATIN™ SHUTTERS

Openings without T-Posts

- All panels within the opening make up one panel set.
- Shutters without T-Posts can be ordered with Even panels or Uneven panels. Even panels is the default.
 - To order a shutter with all panels having equal widths, select Even panels.
 - When specific panel widths are needed, use special instructions to enter the desired locations where the panels should meet.

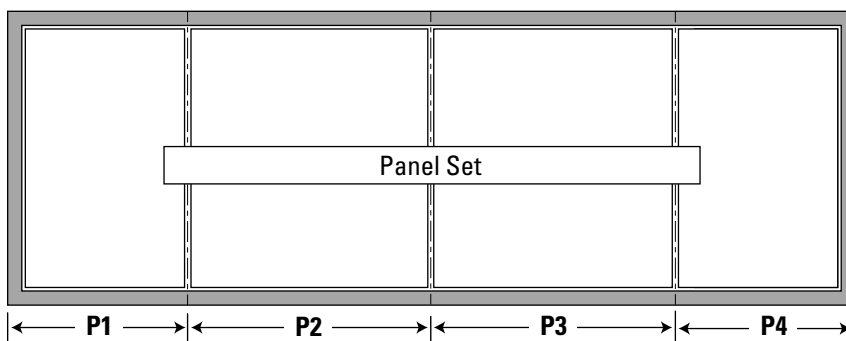
Even Panels



Even Panels

- All panels in the opening are equal in width.
- Panel width measurements are not required.

Uneven Panels



Uneven Panels

- Panel widths are not equal.
- Panel width measurements are required.

Example shown on the right:

- $P1 + P2 + P3 + P4$ must be equal to the ordered width.

Standard Hinged Panels

PALM BEACH™ POLYSATIN™ SHUTTERS

Using the Decorative Sill Cover

The decorative sill cover is designed to cover projecting window sills. Refer to the Decorative Sill Cover dimension chart to determine the finished dimension of the Decorative Sill Cover and maximum allowances for sill cover ears **A**, sill cover projection **B**, and sill cover depth into the opening **C**.

Ordering Considerations

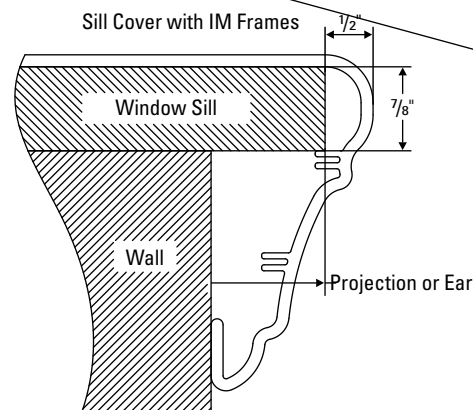
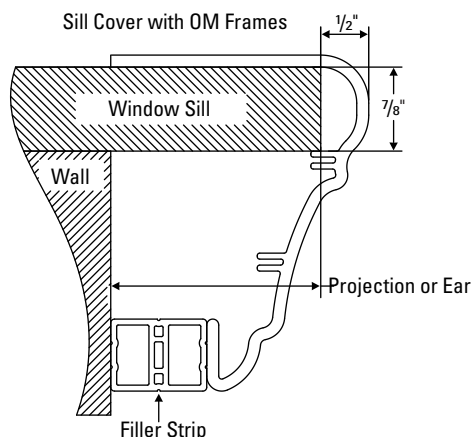
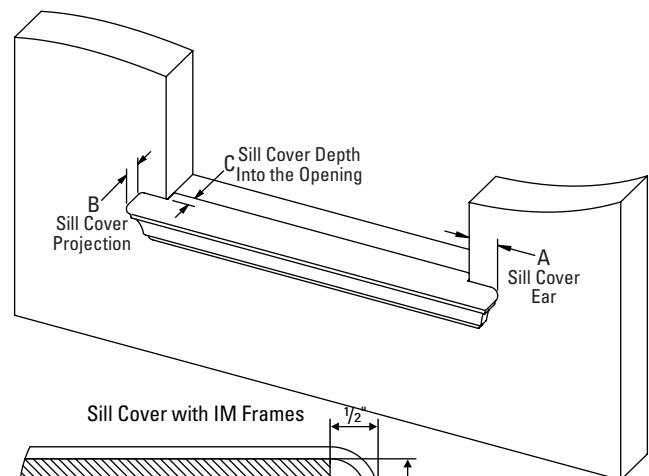
- Follow standard measuring practices, considering the Decorative Sill Cover dimension chart.
- The Decorative Sill Cover can be configured with all frame types; can also be used in without frame applications.
- Inside mount (IM) frames can be used with two-, three-, or four-sided frames.
- Outside mount (OM) frames require a four-sided frame with a sill bottom frame.
- OM special applications require the opening width as well as the ordered width.
- All four-sided frames must be ordered with a sill bottom frame.
- T-Post installations are limited to four-sided frame applications.
- The Decorative Sill Cover can be ordered wider than the dimensions in the chart if necessary.
- Appropriate filler strips will accompany orders on OM applications to fill any gaps behind the Decorative Sill Cover.
- The back of the sill cover will align with the back of the frame.

Decorative Sill Cover Dimensions

| Frame Type | A | B | C |
|--|-----------------------------------|-----------------------------------|----------------------------------|
| Deluxe Casing Frame (C21) | 3 ⁹ / ₁₆ " | 2 ⁹ / ₁₆ " | 0" |
| Standard Casing Frame (C22) | 2 ⁷ / ₈ " | 2 ¹ / ₄ " | 0" |
| L-Frame – OM (L21) | 2 ³ / ₁₆ " | 2 ⁹ / ₁₆ " | 0" |
| Deluxe Casing Sill/ Extended L-Frame – OM (S21) | 2 ³ / ₁₆ " | 2 ¹⁵ / ₁₆ " | 0" |
| Standard Casing Sill/ Decorative L-Frame – OM (S27) | 2 ³ / ₁₆ " | 2 ⁹ / ₁₆ " | 0" |
| L-Frame – IM (L21) | 1 ¹ / ₈ " | 1 ¹¹ / ₁₆ " | 2 ¹ / ₁₆ " |
| Deluxe Casing Sill/ Extended L-Frame – IM (S21) | 1 ¹ / ₈ " | 1 ¹¹ / ₁₆ " | 2 ⁷ / ₁₆ " |
| Standard Casing Sill/ Decorative L-Frame – IM (S27) | 1 ¹ / ₈ " | 1 ¹¹ / ₁₆ " | 2 ¹ / ₁₆ " |
| Standard Z-Frame (Z21) | 1 ¹ / ₂ " | 1 ¹¹ / ₁₆ " | 1 ⁵ / ₁₆ " |
| Decorative Z-Frame (Z22) | 1 ¹ / ₈ " | 1 ¹¹ / ₁₆ " | 1 ¹ / ₄ " |
| Colonial Z-Frame (Z23) | 2 ¹ / ₈ " | 1 ¹¹ / ₁₆ " | 1" |
| Classic Z-Frame (Z24) | 1 ¹³ / ₁₆ " | 1 ¹¹ / ₁₆ " | 1 ¹ / ₈ " |
| Deluxe Z-Frame (Z25) | 2 ³ / ₄ " | 1 ¹¹ / ₁₆ " | 1 ¹ / ₈ " |
| Modern Z-Frame (Z26) | 1 ⁷ / ₈ " | 1 ¹¹ / ₁₆ " | 1 ⁵ / ₁₆ " |
| Hang Strip to Side – IM (HSS) | 1 ¹ / ₈ " | 1 ¹¹ / ₁₆ " | 2 ¹ / ₁₆ " |
| Hang Strip Behind – IM (HSB) | 1 ¹ / ₈ " | 1 ¹¹ / ₁₆ " | 2 ¹ / ₈ " |

Notes

- Maximum window sill ear width is ¹/₂" less than **A** value.
- Maximum window sill projection is ¹/₂" less than **B** value.
- Maximum window sill height is ⁷/₈".
- On OM applications, the **A** value includes the standard ¹/₄" reveal.



Standard Hinged Panels

PALM BEACH™ POLYSATIN™ SHUTTERS

Configurations

Overview

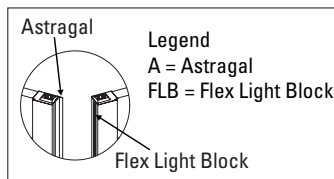
In this panel configuration section, some of the most popular shutter configurations are shown. Each configuration has a letter code, as well as minimum and maximum ordered widths. Order your shutter configuration by the example codes shown.

Ordering panels in even numbers is often suggested because it allows for uniform folding when the panels are opened to the side of the window.

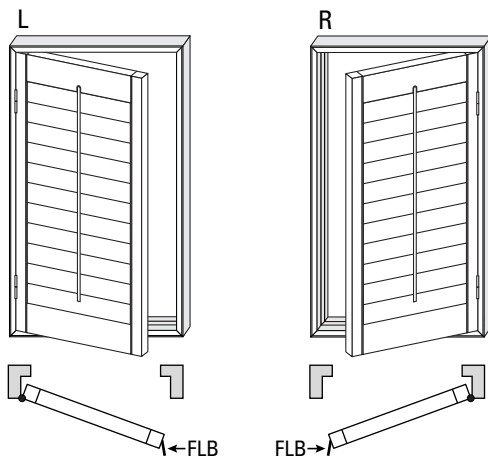
The use of a T-Post increases the number of possible panel combinations.

Notes

- The minimum and maximum ordered widths include frames and T-Posts as illustrated.
- For minimum and maximum panel dimensions, see Size StandardsSM.
- Bi-Fold or Bypass track configurations are recommended for large 3-sided door openings.
- Vertical T-Posts are recommended on standard hinged, bi-fold panels where the width is greater than the height. Example: LLRR should be ordered as LRTLRL.



One Panel

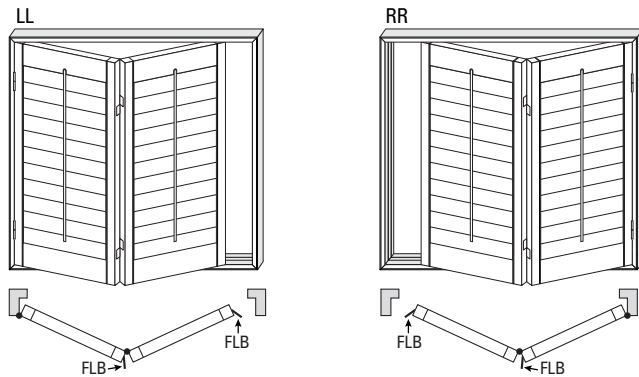


| | | Ordered Width | | |
|-------|--------------------|-----------------------------------|------------------------------------|------------------------------------|
| Mount | Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
| IM | N, HSB | 7 ³ / ₁₆ " | 17 ³ / ₁₆ " | 36 ³ / ₁₆ " |
| | Z22, Z25 | 8 ⁷ / ₁₆ " | 18 ⁷ / ₁₆ " | 37 ⁷ / ₁₆ " |
| | Z24, Z26, HSS | 8 ¹¹ / ₁₆ " | 18 ¹¹ / ₁₆ " | 37 ¹¹ / ₁₆ " |
| | L21, S21, S27, Z21 | 8 ¹⁵ / ₁₆ " | 18 ¹⁵ / ₁₆ " | 37 ¹⁵ / ₁₆ " |
| | Z23 | 9 ³ / ₁₆ " | 19 ³ / ₁₆ " | 38 ³ / ₁₆ " |
| OM | N, HSB | 7" | 17" | 36" |
| | L21, S21, S27 | 8 ¹¹ / ₁₆ " | 18 ¹¹ / ₁₆ " | 37 ¹¹ / ₁₆ " |
| | C21 | 11 ⁷ / ₁₆ " | 21 ⁷ / ₁₆ " | 40 ⁷ / ₁₆ " |
| | C22 | 10 ¹ / ₁₆ " | 20 ¹ / ₁₆ " | 39 ¹ / ₁₆ " |

Standard Hinged Panel Configurations

PALM BEACH™ POLYSATIN™ SHUTTERS

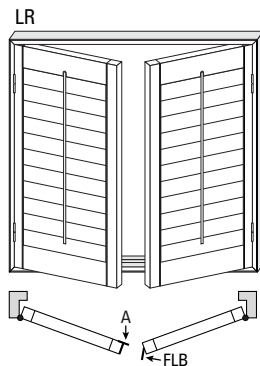
Two Panels — Bi-Fold



Ordered Width

| Mount | Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|-------|--------------------|------------------------------------|------------------------------------|------------------------------------|
| IM | N, HSB | 14 ⁵ / ₁₆ " | 34 ⁵ / ₁₆ " | 48 ⁵ / ₁₆ " |
| | Z22, Z25 | 15 ⁹ / ₁₆ " | 35 ⁹ / ₁₆ " | 49 ⁹ / ₁₆ " |
| | Z24, Z26, HSS | 15 ¹³ / ₁₆ " | 35 ¹³ / ₁₆ " | 49 ¹³ / ₁₆ " |
| | L21, S21, S27, Z21 | 16 ¹ / ₁₆ " | 36 ¹ / ₁₆ " | 50 ¹ / ₁₆ " |
| | Z23 | 16 ⁵ / ₁₆ " | 36 ⁵ / ₁₆ " | 50 ⁵ / ₁₆ " |
| OM | N, HSB | 14 ¹ / ₈ " | 34 ¹ / ₈ " | 48 ¹ / ₈ " |
| | L21, S21, S27 | 15 ¹³ / ₁₆ " | 35 ¹³ / ₁₆ " | 49 ¹³ / ₁₆ " |
| | C21 | 18 ⁹ / ₁₆ " | 38 ⁹ / ₁₆ " | 52 ⁹ / ₁₆ " |
| | C22 | 17 ³ / ₁₆ " | 37 ³ / ₁₆ " | 51 ³ / ₁₆ " |

Two Panels — Individually Hinged



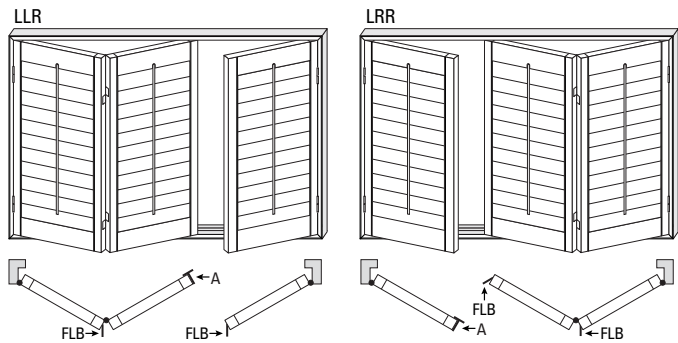
Ordered Width

| Mount | Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|-------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| IM | N, HSB | 14 ¹ / ₄ " | 34 ¹ / ₄ " | 72 ¹ / ₄ " |
| | Z22, Z25 | 15 ¹ / ₂ " | 35 ¹ / ₂ " | 73 ¹ / ₂ " |
| | Z24, Z26, HSS | 15 ³ / ₄ " | 35 ³ / ₄ " | 73 ³ / ₄ " |
| | L21, S21, S27, Z21 | 16" | 36" | 74" |
| | Z23 | 16 ¹ / ₄ " | 36 ¹ / ₄ " | 74 ¹ / ₄ " |
| OM | N, HSB | 14 ¹ / ₁₆ " | 34 ¹ / ₁₆ " | 72 ¹ / ₁₆ " |
| | L21, S21, S27 | 15 ³ / ₄ " | 35 ³ / ₄ " | 73 ³ / ₄ " |
| | C21 | 18 ¹ / ₂ " | 38 ¹ / ₂ " | 76 ¹ / ₂ " |
| | C22 | 17 ¹ / ₈ " | 37 ¹ / ₈ " | 75 ¹ / ₈ " |

Standard Hinged Panel Configurations

PALM BEACH™ POLYSATIN™ SHUTTERS

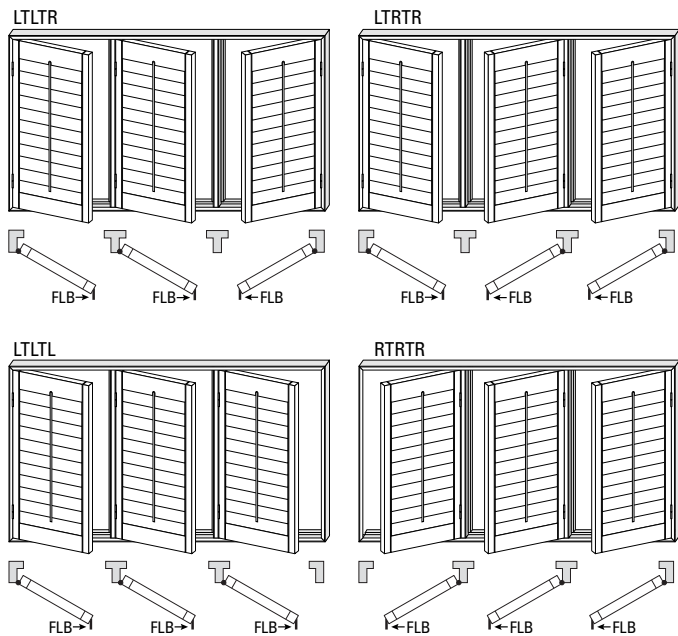
Three Panels — Bi-Fold



Ordered Width

| Mount | Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|-------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| IM | N, HSB | 21 ³ / ₈ " | 51 ³ / ₈ " | 72 ³ / ₈ " |
| | Z22, Z25 | 22 ⁵ / ₈ " | 52 ⁵ / ₈ " | 73 ⁵ / ₈ " |
| | Z24, Z26, HSS | 22 ⁷ / ₈ " | 52 ⁷ / ₈ " | 73 ⁷ / ₈ " |
| | L21, S21, S27, Z21 | 23 ¹ / ₈ " | 53 ¹ / ₈ " | 74 ¹ / ₈ " |
| | Z23 | 23 ³ / ₈ " | 53 ³ / ₈ " | 74 ³ / ₈ " |
| OM | N, HSB | 21 ³ / ₁₆ " | 51 ³ / ₁₆ " | 72 ³ / ₁₆ " |
| | L21, S21, S27 | 22 ⁷ / ₈ " | 52 ⁷ / ₈ " | 73 ⁷ / ₈ " |
| | C21 | 25 ⁵ / ₈ " | 55 ⁵ / ₈ " | 76 ⁵ / ₈ " |
| | C22 | 24 ¹ / ₄ " | 54 ¹ / ₄ " | 75 ¹ / ₄ " |

Three Panels — Individually Hinged



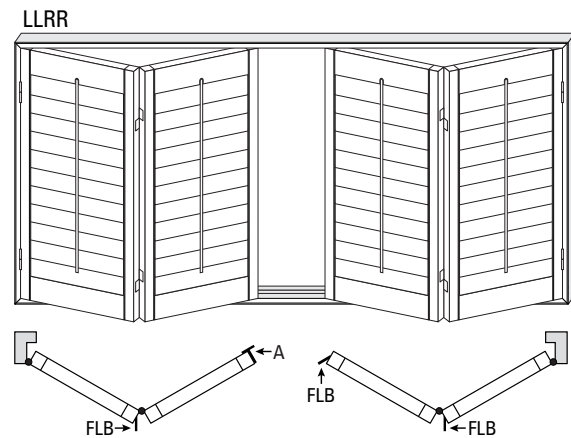
Ordered Width

| Mount | Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|-------|--------------------|------------------------------------|------------------------------------|-------------------------------------|
| IM | N, HSB | 24 ¹ / ₁₆ " | 54 ¹ / ₁₆ " | 111 ¹ / ₁₆ " |
| | Z22, Z25 | 25 ⁵ / ₁₆ " | 55 ⁵ / ₁₆ " | 112 ⁵ / ₁₆ " |
| | Z24, Z26, HSS | 25 ⁹ / ₁₆ " | 55 ⁹ / ₁₆ " | 112 ⁹ / ₁₆ " |
| | L21, S21, S27, Z21 | 25 ¹³ / ₁₆ " | 55 ¹³ / ₁₆ " | 112 ¹³ / ₁₆ " |
| | Z23 | 26 ¹ / ₁₆ " | 56 ¹ / ₁₆ " | 113 ¹ / ₁₆ " |
| OM | N, HSB | 23 ⁷ / ₈ " | 53 ⁷ / ₈ " | 110 ⁷ / ₈ " |
| | L21, S21, S27 | 25 ⁹ / ₁₆ " | 55 ⁹ / ₁₆ " | 112 ⁹ / ₁₆ " |
| | C21 | 28 ⁵ / ₁₆ " | 58 ⁵ / ₁₆ " | 115 ⁵ / ₁₆ " |
| | C22 | 26 ¹⁵ / ₁₆ " | 56 ¹⁵ / ₁₆ " | 113 ¹⁵ / ₁₆ " |

Standard Hinged Panel Configurations

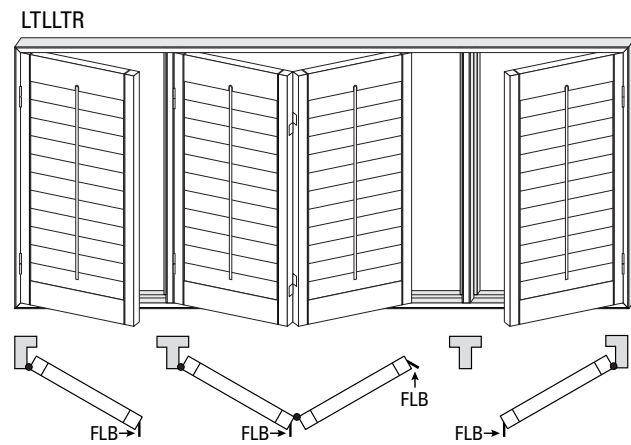
PALM BEACH™ POLYSATIN™ SHUTTERS

Four Panels — Bi-Fold



Ordered Width

| Mount | Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|-------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| IM | N, HSB | 28 ³ / ₈ " | 68 ³ / ₈ " | 96 ³ / ₈ " |
| | Z22, Z25 | 29 ⁵ / ₈ " | 69 ⁵ / ₈ " | 97 ⁵ / ₈ " |
| | Z24, Z26, HSS | 29 ⁷ / ₈ " | 69 ⁷ / ₈ " | 97 ⁷ / ₈ " |
| | L21, S21, S27, Z21 | 30 ¹ / ₈ " | 70 ¹ / ₈ " | 98 ¹ / ₈ " |
| | Z23 | 30 ³ / ₈ " | 70 ³ / ₈ " | 98 ³ / ₈ " |
| OM | N, HSB | 28 ³ / ₁₆ " | 68 ³ / ₁₆ " | 96 ³ / ₁₆ " |
| | L21, S21, S27 | 29 ⁷ / ₈ " | 69 ⁷ / ₈ " | 97 ⁷ / ₈ " |
| | C21 | 32 ⁵ / ₈ " | 72 ⁵ / ₈ " | 100 ⁵ / ₈ " |
| | C22 | 31 ¹ / ₄ " | 71 ¹ / ₄ " | 99 ¹ / ₄ " |



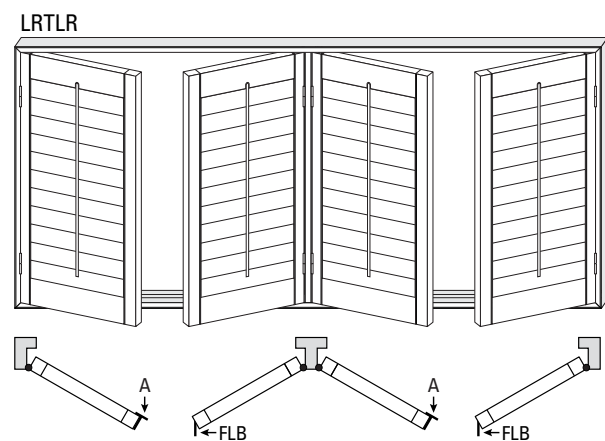
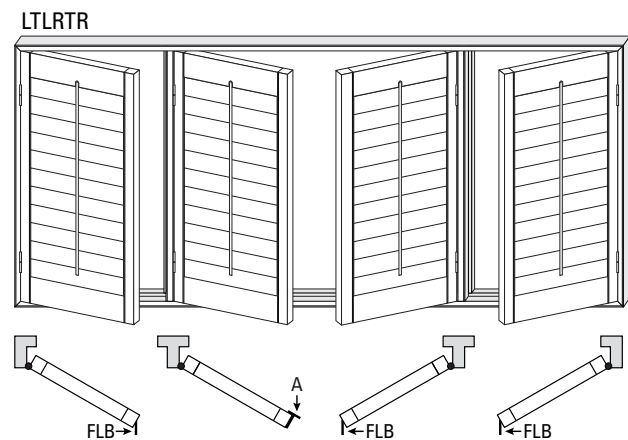
Ordered Width

| Mount | Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|-------|--------------------|------------------------------------|------------------------------------|-------------------------------------|
| IM | N, HSB | 31 ³ / ₁₆ " | 71 ³ / ₁₆ " | 99 ³ / ₁₆ " |
| | Z22, Z25 | 32 ⁷ / ₁₆ " | 72 ⁷ / ₁₆ " | 100 ⁷ / ₁₆ " |
| | Z24, Z26, HSS | 32 ¹¹ / ₁₆ " | 72 ¹¹ / ₁₆ " | 100 ¹¹ / ₁₆ " |
| | L21, S21, S27, Z21 | 32 ¹⁵ / ₁₆ " | 72 ¹⁵ / ₁₆ " | 100 ¹⁵ / ₁₆ " |
| | Z23 | 33 ³ / ₁₆ " | 73 ³ / ₁₆ " | 101 ³ / ₁₆ " |
| OM | N, HSB | 31" | 71" | 99" |
| | L21, S21, S27 | 32 ¹¹ / ₁₆ " | 72 ¹¹ / ₁₆ " | 100 ¹¹ / ₁₆ " |
| | C21 | 35 ⁷ / ₁₆ " | 75 ⁷ / ₁₆ " | 103 ⁷ / ₁₆ " |
| | C22 | 34 ¹ / ₁₆ " | 74 ¹ / ₁₆ " | 102 ¹ / ₁₆ " |

Standard Hinged Panel Configurations

PALM BEACH™ POLYSATIN™ SHUTTERS

Four Panels — Individually Hinged



Ordered Width

| Mount | Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|-------|--------------------|------------------------------------|------------------------------------|-------------------------------------|
| IM | N, HSB | 31 ¹ / ₈ " | 71 ¹ / ₈ " | 147 ¹ / ₈ " |
| | Z22, Z25 | 32 ³ / ₈ " | 72 ³ / ₈ " | 148 ³ / ₈ " |
| | Z24, Z26, HSS | 32 ⁵ / ₈ " | 72 ⁵ / ₈ " | 148 ⁵ / ₈ " |
| | L21, S21, S27, Z21 | 32 ⁷ / ₈ " | 72 ⁷ / ₈ " | 148 ⁷ / ₈ " |
| | Z23 | 33 ¹ / ₈ " | 73 ¹ / ₈ " | 149 ¹ / ₈ " |
| OM | N, HSB | 30 ¹⁵ / ₁₆ " | 70 ¹⁵ / ₁₆ " | 146 ¹⁵ / ₁₆ " |
| | L21, S21, S27 | 32 ⁵ / ₈ " | 72 ⁵ / ₈ " | 148 ⁵ / ₈ " |
| | C21 | 35 ³ / ₈ " | 75 ³ / ₈ " | 151 ³ / ₈ " |
| | C22 | 34" | 74" | 150" |

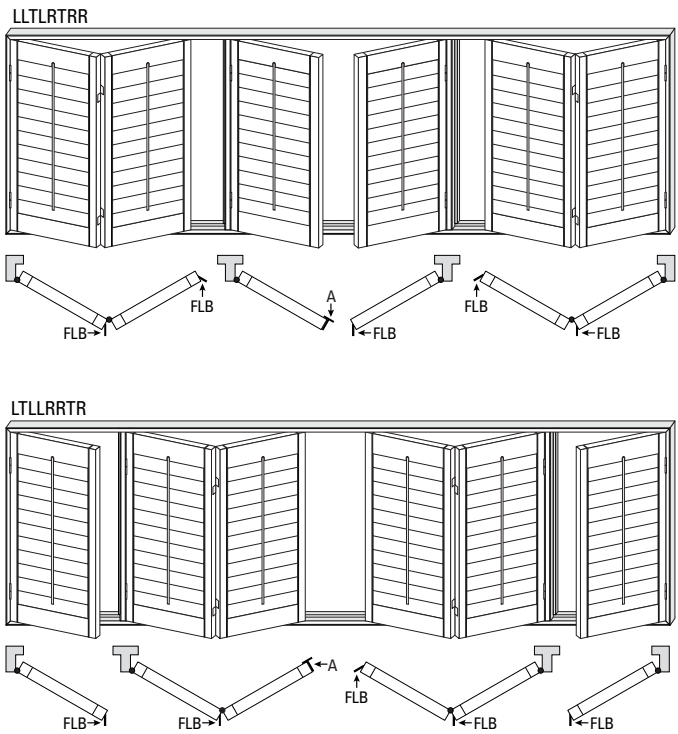
Ordered Width

| Mount | Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|-------|--------------------|-----------------------------------|-----------------------------------|------------------------------------|
| IM | N, HSB | 29 ³ / ₄ " | 69 ³ / ₄ " | 145 ³ / ₄ " |
| | Z22, Z25 | 31" | 71" | 147" |
| | Z24, Z26, HSS | 31 ¹ / ₄ " | 71 ¹ / ₄ " | 147 ¹ / ₄ " |
| | L21, S21, S27, Z21 | 31 ¹ / ₂ " | 71 ¹ / ₂ " | 147 ¹ / ₂ " |
| | Z23 | 31 ³ / ₄ " | 71 ³ / ₄ " | 147 ³ / ₄ " |
| OM | N, HSB | 29 ⁹ / ₁₆ " | 69 ⁹ / ₁₆ " | 145 ⁹ / ₁₆ " |
| | L21, S21, S27 | 31 ¹ / ₄ " | 71 ¹ / ₄ " | 147 ¹ / ₄ " |
| | C21 | 34" | 74" | 150" |
| | C22 | 32 ⁵ / ₈ " | 72 ⁵ / ₈ " | 148 ⁵ / ₈ " |

Standard Hinged Panel Configurations

PALM BEACH™ POLYSATIN™ SHUTTERS

Six Panels — Bi-Fold

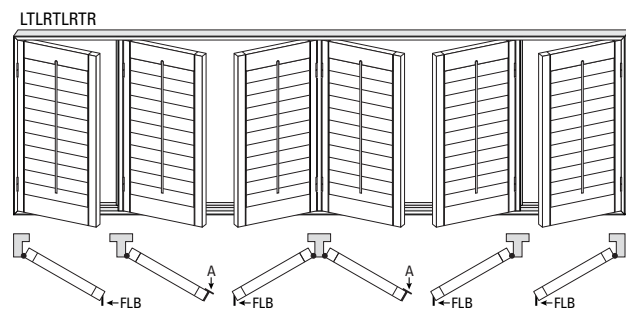
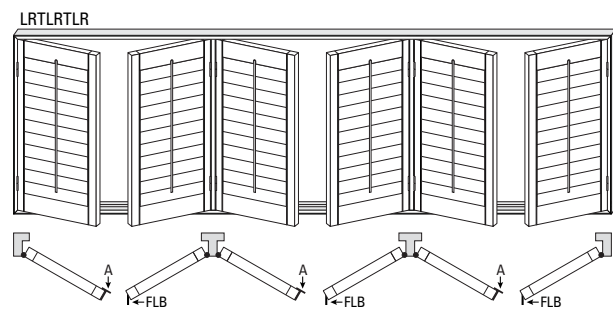


| | | Ordered Width | | |
|-------|--------------------|------------------------------------|-------------------------------------|-------------------------------------|
| Mount | Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
| IM | N, HSB | 45 ⁷ / ₁₆ " | 105 ⁷ / ₁₆ " | 147 ⁷ / ₁₆ " |
| | Z22, Z25 | 46 ¹¹ / ₁₆ " | 106 ¹¹ / ₁₆ " | 148 ¹¹ / ₁₆ " |
| | Z24, Z26, HSS | 46 ¹⁵ / ₁₆ " | 106 ¹⁵ / ₁₆ " | 148 ¹⁵ / ₁₆ " |
| | L21, S21, S27, Z21 | 47 ³ / ₁₆ " | 107 ³ / ₁₆ " | 149 ³ / ₁₆ " |
| | Z23 | 47 ⁷ / ₁₆ " | 107 ⁷ / ₁₆ " | 149 ⁷ / ₁₆ " |
| OM | N, HSB | 45 ¹ / ₄ " | 105 ¹ / ₄ " | 147 ¹ / ₄ " |
| | L21, S21, S27 | 46 ¹⁵ / ₁₆ " | 106 ¹⁵ / ₁₆ " | 148 ¹⁵ / ₁₆ " |
| | C21 | 49 ¹¹ / ₁₆ " | 109 ¹¹ / ₁₆ " | 151 ¹¹ / ₁₆ " |
| | C22 | 48 ⁵ / ₁₆ " | 108 ⁵ / ₁₆ " | 150 ⁵ / ₁₆ " |

Standard Hinged Panel Configurations

PALM BEACH™ POLYSATIN™ SHUTTERS

Six Panels — Individually Hinged



Notes

- Other multiple panel arrangements are possible, including eight and ten panels. Consult Customer Service for details.

Ordered Width

| Mount | Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|-------|--------------------|-----------------------------------|------------------------------------|------------------------------------|
| IM | N, HSB | 45 ¹ / ₄ " | 105 ¹ / ₄ " | 219 ¹ / ₄ " |
| | Z22, Z25 | 46 ¹ / ₂ " | 106 ¹ / ₂ " | 220 ¹ / ₂ " |
| | Z24, Z26, HSS | 46 ³ / ₄ " | 106 ³ / ₄ " | 220 ³ / ₄ " |
| | L21, S21, S27, Z21 | 47" | 107" | 221" |
| | Z23 | 47 ¹ / ₄ " | 107 ¹ / ₄ " | 221 ¹ / ₄ " |
| OM | N, HSB | 45 ¹ / ₁₆ " | 105 ¹ / ₁₆ " | 219 ¹ / ₁₆ " |
| | L21, S21, S27 | 46 ³ / ₄ " | 106 ³ / ₄ " | 220 ³ / ₄ " |
| | C21 | 49 ¹ / ₂ " | 109 ¹ / ₂ " | 223 ¹ / ₂ " |
| | C22 | 48 ¹ / ₈ " | 108 ¹ / ₈ " | 222 ¹ / ₈ " |

Ordered Width

| Mount | Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|-------|--------------------|-----------------------------------|------------------------------------|------------------------------------|
| IM | N, HSB | 46 ⁵ / ₈ " | 106 ⁵ / ₈ " | 220 ⁵ / ₈ " |
| | Z22, Z25 | 47 ⁷ / ₈ " | 107 ⁷ / ₈ " | 221 ⁷ / ₈ " |
| | Z24, Z26, HSS | 48 ¹ / ₈ " | 108 ¹ / ₈ " | 222 ¹ / ₈ " |
| | L21, S21, S27, Z21 | 48 ³ / ₈ " | 108 ³ / ₈ " | 222 ³ / ₈ " |
| | Z23 | 48 ⁵ / ₈ " | 108 ⁵ / ₈ " | 222 ⁵ / ₈ " |
| OM | N, HSB | 46 ⁷ / ₁₆ " | 106 ⁷ / ₁₆ " | 220 ⁷ / ₁₆ " |
| | L21, S21, S27 | 48 ¹ / ₈ " | 108 ¹ / ₈ " | 222 ¹ / ₈ " |
| | C21 | 50 ⁷ / ₈ " | 110 ⁷ / ₈ " | 224 ⁷ / ₈ " |
| | C22 | 49 ¹ / ₂ " | 109 ¹ / ₂ " | 223 ¹ / ₂ " |

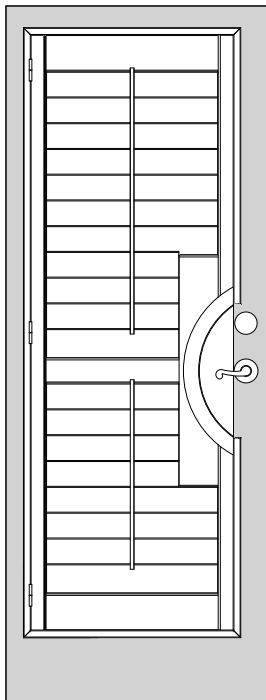
French Doors

PALM BEACH™ POLYSATIN™ SHUTTERS

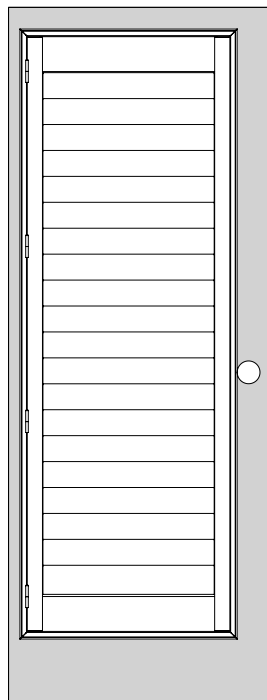
The Basics

Shutters for French doors are always ordered as outside mounts (OM). They are single panel shutters hinged on the same side as the actual French door. Depending on the type of handle and door, there are several different frame options that can be specified, including doors with and without cut-outs. Shutters with cut-outs provide clearance for lever handles. Whichever frame option you choose, always check for sufficient clearance and possible obstructions.

French Door with Cut-Out



French Door with 4-sided L-Frame



Frame Options

L Frames

There are **three** frame options available for French door applications:

- Deluxe Casing Sill/Extended L-Frame (S21)
- **Standard Casing Sill/Decorative L-Frame (S27)**
- Standard L-Frame (L21)

| Frame Type | Options |
|--|-----------|
| Deluxe Casing Sill/Extended L-Frame | SH |
| Standard Casing Sill/Decorative L-Frame | SH |
| Standard L-Frame | SH, FDC |

Frames with Full Louver Clearance

For details, see Standard Hinged Panels™.

| Louver Size | 2 1/2" | 3 1/2" | 4 1/2" |
|--------------|---------------|---------------|---------------|
| 0 Build-Out | F | — | — |
| 1 Build-Out | F or H | F or H | — |
| 2 Build-Outs | F or H | F or H | F or H |
| 3 Build-Outs | F or H | F or H | F or H |
| 4 Build-Outs | F or H | F or H | F or H |

Notes

- F = Front Tilt; H = HiddenTilt™.

Build-Out

Build-out is available for French doors in 1/2" increments.

Measuring and Ordering

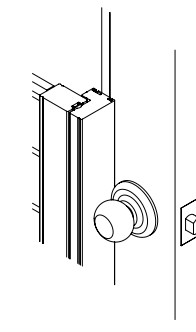
Measuring instructions for frame options are shown on the following pages. Use the measuring guidelines with the specific Palm Beach™ shutters worksheets.

When ordering, use the following codes for frame type:

- L21: Standard L-Frame
- S21: Deluxe Casing Sill/Extended L-Frame
- **S27: Standard Casing Sill/Decorative L-Frame**

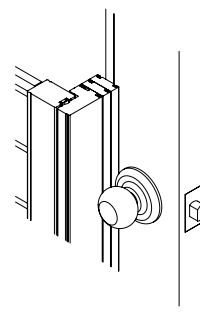
Standard L-Frame

Order:
SH with L21



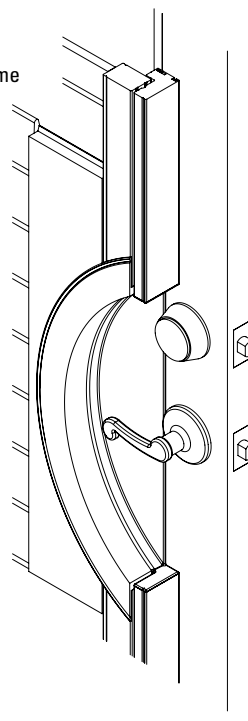
Standard L-Frame
with Two Build-Outs

Order:
SH with L21 and
2 Build-Outs



Available with
Cut-Out
Standard L-Frame

Order:
FDC with L21



French Doors

PALM BEACH™ POLYSATIN™ SHUTTERS

French Door Cut-Outs

French door cut-outs are designed to fit a variety of handle and lock configurations. A 1/8" thick back plate covers the cut-out area, and sits against the door.

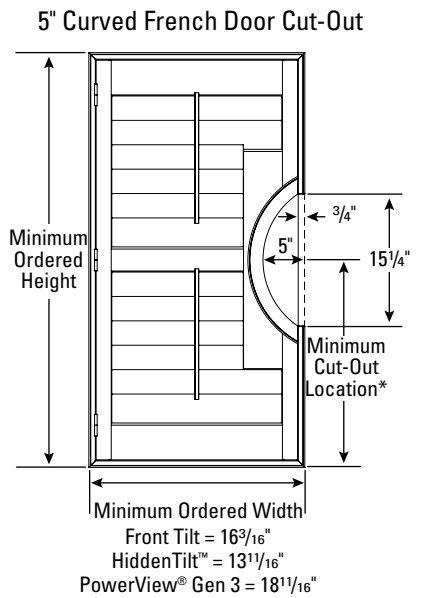
French door cut-out shutters will be built to ordered width and height.

Surcharges

Add the appropriate French door cut-out surcharge to the base price of the framed shutter.

French Door Cut-Out Details

The backplate of the cut-out is now part of the frame, enabling the panel to swing open for access to interior door glass.



| Louver Size | Minimum Ordered Height | Minimum Cut-Out Location |
|-------------|------------------------|--------------------------|
| 2 1/2" | 35 1/2" | 17 3/4" |
| 3 1/2" | 37 1/2" | 18 3/4" |
| 4 1/2" | 39 1/2" | 19 3/4" |

Notes

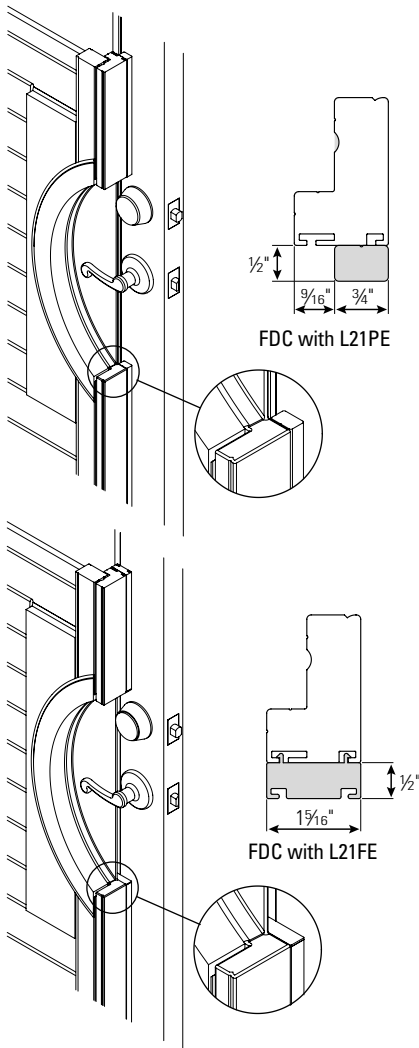
- Minimum ordered height leaves one louver between the cut-out block and rails.
- Some ordered height and cut-out height combinations may not be possible due to rail height variations.

Cut-Out Offset

Palm Beach™ French door cut-outs are offset 3/4" to allow sufficient mounting surface between the door handle/hardware and the glass. See illustration above.

Trim Extensions

The frame can be extended to fit on the projecting trim that surrounds some glass openings. There are two types of trim extensions, full and partial. Trim extensions can be ordered per side — top, left, right, and bottom.



French Doors

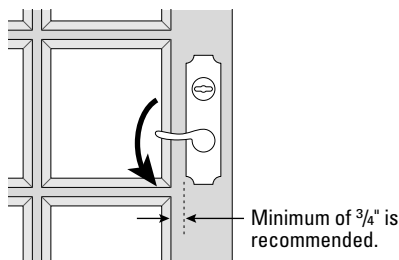
PALM BEACH™ POLYSATIN™ SHUTTERS

Measuring for Cut-Outs

Use the Palm Beach™ French Door Cut-Out worksheet and template to perform the required calculations. Transfer the indicated results to the Palm Beach Specialty order form and attach the worksheet to the order form.

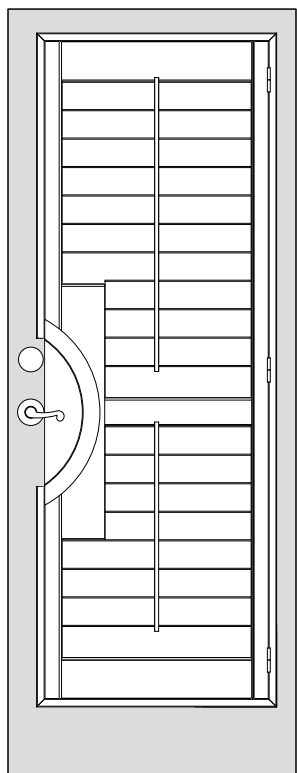
Mounting Surface

Align the French door cut-out template to the base of the door handle or plate and position the template in the desired location. Confirm proper handle rotation. The handle lever must rotate within the cut-out area. There should be at least $\frac{3}{4}$ " of flat mounting surface so that the entire base of the frame is on the flat mounting surface. This way, the frame base is not visible from the other side of the French door.



Hinge Side vs. Cut-Out Side

Order an "L" (left-hinged) panel for a right cut-out or an "R" (right-hinged) panel for a left cut-out (shown).



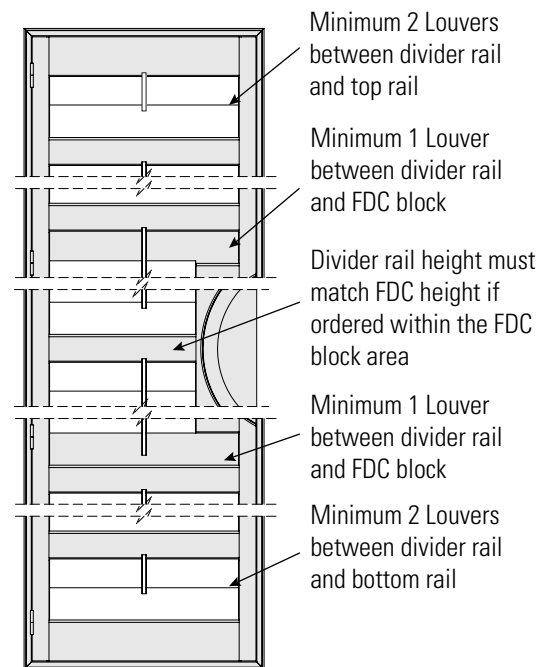
Divider Rail

Divider rails are optional (except on French door cut-outs with PowerView® Gen 3 Automation or SoftClose™ louvers with Quick Align™, where they are required on panels greater than 66" in height), and are available either at the ordered cut-out height, or above or below the cut-out block. See the illustration below for available divider rail locations. Split tilt bars are optional, providing increased operational flexibility.

Notes

- SoftClose louvers are not available on panels with two divider rails.

Valid Divider Rail Locations



Bay Windows

PALM BEACH™ POLYSATIN™ SHUTTERS

The Basics

Shutters for bay windows consist of three or more separate framed shutter assemblies which butt together at their front corners. Each of the separate framed assemblies is priced and ordered as an individual unit.

Frame Options

Eleven frame types are used for bay windows:

- Standard L-Frame (L21)
- Standard Z-Frame (Z21)
- Decorative Z-Frame (Z22)
- Colonial Z-Frame (Z23)
- Classic Z-Frame (Z24)
- Deluxe Z-Frame (Z25)
- Modern Z-Frame (Z26)
- Deluxe Casing Frame (C21)
- Standard Casing Frame (C22)
- Deluxe Casing Sill/Extended L-Frame (S21)
- Standard Casing Sill/Decorative L-Frame (S27)

The Standard L-Frame, Deluxe Casing Sill/Extended L-Frame, Standard Casing Sill/Decorative L-Frame, Standard Casing Frame, and Deluxe Casing Frame are used for outside mounts, and Z frames in combination with sill frames or L frames are used for inside mounts.

Suggested Frame Combinations for Bay Windows

| Frame Type | Options |
|---|---|
| Standard L-Frame | Standard L-Frame |
| Standard Z-Frame | Standard L-Frame |
| Decorative Z-Frame | Decorative/Classic Z-Sill Frame |
| Colonial Z-Frame | Standard L-Frame |
| Classic Z-Frame | Decorative/Classic Z-Sill Frame |
| Deluxe Z-Frame | Decorative/Classic Z-Sill Frame |
| Modern Z-Frame | Modern Z-Sill Frame |
| Deluxe Casing Frame | Deluxe Casing Sill/ Extended L-Frame |
| Standard Casing Frame | Standard Casing Sill/ Decorative L-Frame |
| Deluxe Casing Sill/ Extended L-Frame | Deluxe Casing Sill/Extended L-Frame |
| Standard Casing Sill/ Decorative L-Frame | Standard Casing Sill/ Decorative L-Frame |

Notes

- Examples of inside and outside mount applications.

Panel Configurations

Any standard hinged panel configuration — whether Bi-Fold or individually hinged — may be ordered for bay windows. However, it is very important to plan how the shutters will open after they are installed, taking into consideration how the panels interact with each other, as well as maintaining comparable panel widths.

Measuring and Ordering

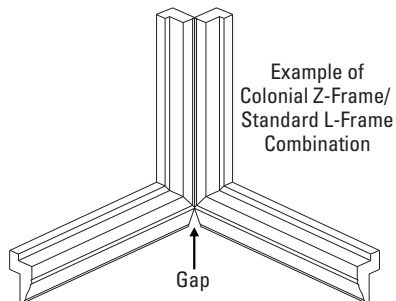
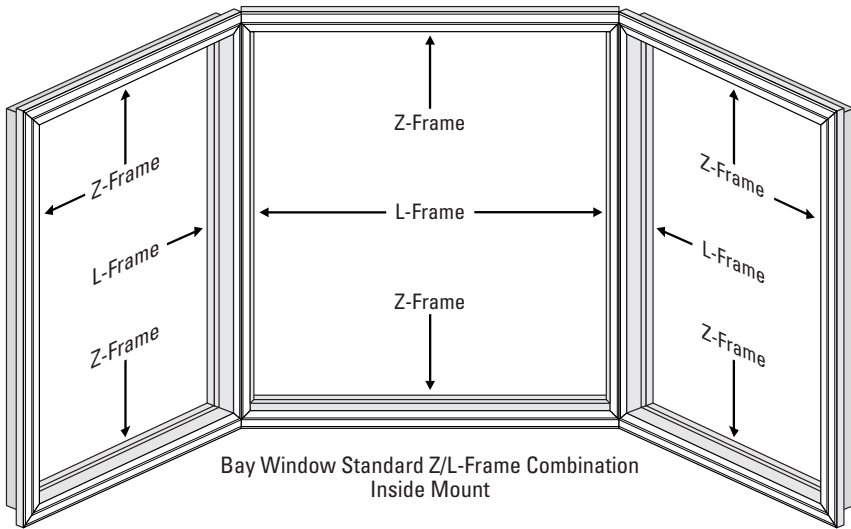
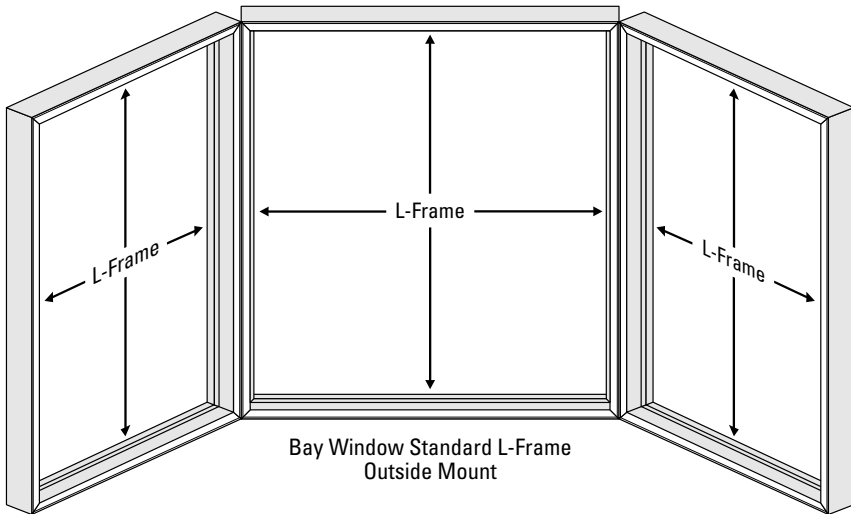
Measuring instructions are shown on the following page. A special Easy Angle™ measuring tool enables you to measure and order without using templates.

There is one worksheet for bay windows — for both inside and outside mounts. For each order, complete the worksheet, transfer the information to the standard Palm Beach™ order form and attach a copy of the worksheet to the order form.

Sill Frames

If desired, a Sill Frame can be specified at the top and/or bottom of the opening. Use the frame detail code on the order form when ordering.

Effective 05/13/25



Notes

- Colonial Z/L, Classic Z/L, and Casing Frame/L combinations are not recommended with bay window applications. These frame profiles create a gap at the corner where the frame assemblies meet.

Bay Windows

PALM BEACH™ POLYSATIN™ SHUTTERS

Measuring

Measuring for Bay Window Outside Mounts (OM)

Standard L-Frame (L21)

Refer to the Bay Window worksheet and follow the steps below. Enter all measurements on the worksheet. Then perform the required calculations, transfer the results to the standard Palm Beach™ order form and attach the worksheet.

Step One

Using the appropriate Easy Angle™ measuring tool, locate the Standard L-Frame portion at the appropriate position left of opening 1 and allow for a $\frac{3}{8}$ " reveal. Mark **A**. Repeat this step for **F**.

Step Two

Using the Easy Angle measuring tool, determine and mark positions **B** and **C**. Repeat this step for **D** and **E**.

Step Three

Measure the distance from mark **A** to mark **B** (opening 1). Repeat for **C** to **D** (opening 2) and **E** to **F** (opening 3). Enter these width measurements on the worksheet.

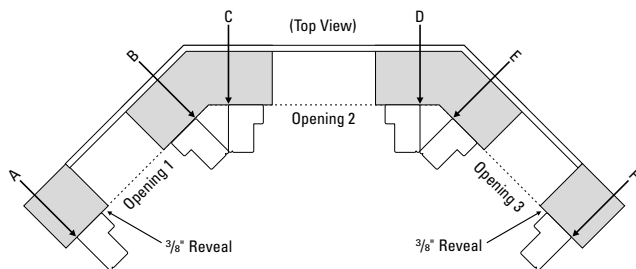
Step Four

Measure the inside height in three places for each opening. Use the **largest** height measurement for all three shutters and add the following:

- Add $3\frac{3}{8}$ " for four-sided L-Frame or Casing Sill/Extended L-Frame.
- Add $3\frac{3}{8}$ " for four-sided frame with bottom sill, not on existing window sill.
- Add $1\frac{11}{16}$ " if bottom Sill Frame is on window sill.

Step Five

Transfer the information from the worksheet to the standard Palm Beach order form and indicate in the "Notes" section that the shutters are for a bay window. Attach the worksheet to the order form.



Measuring for Bay Window Inside Mounts (IM)

Standard Z-Frame (Z21) with Standard L-Frame (L21)

Refer to the Bay Window worksheet and follow the steps below. Enter all measurements on the worksheet. Then perform the required calculations, transfer the results to the standard Palm Beach order form and attach the worksheet.

Step One

Using the appropriate Easy Angle measuring tool, locate the Standard L-Frame portion at the left corner of the bay, and mark positions **B** and **C**. Repeat this step for **D** and **E**.

Step Two

Measure inside opening 1 from the wall at **A** to the mark at **B**. This provides a $\frac{1}{4}$ " space to **A**.

Step Three

Measure inside opening 2 from the mark at **C** to the mark at **D**. Add $\frac{1}{4}$ " to determine ordered width.

Step Four

Measure inside opening 3 from the mark at **E** to the wall at **F**. This provides a $\frac{1}{4}$ " space at **F**.

Step Five

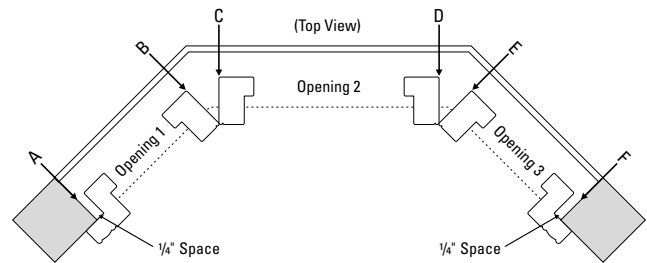
Measure the inside height in three places for each opening. Use the **smallest** inside height and subtract $\frac{1}{4}$ " to determine your ordered height for all three openings to allow for vertical racking adjustment.

Step Six

Transfer the information from the Bay Window worksheet to the standard Palm Beach order form and indicate in the "Notes" section that the shutters are for a bay window. Attach the worksheet to the order form.

Notes

- These measuring procedures provide a $\frac{3}{8}$ " reveal on the width.



Corner Windows

PALM BEACH™ POLYSATIN™ SHUTTERS

The Basics

Shutters for corner windows consist of two separate framed shutter assemblies which butt together at their front corners. A hidden Hang Strip is used to connect the two assemblies where they meet, and should be ordered as lineal material. Each of the separate framed assemblies are priced and ordered as individual units.

Frame Options

Eleven frame types are used for corner windows:

- Standard L-Frame (L21)
- Standard Z-Frame (Z21)
- Decorative Z-Frame (Z22)
- Colonial Z-Frame (Z23)
- Classic Z-Frame (Z24)
- Deluxe Z-Frame (Z25)
- Modern Z-Frame (Z26)
- Deluxe Casing Frame (C21)
- Standard Casing Frame (C22)
- Deluxe Casing Sill/Extended L-Frame (S21)
- Standard Casing Sill/Decorative L-Frame (S27)

The Standard L-Frame, Deluxe Casing Sill/Extended L-Frame, Standard Casing Sill/Decorative L-Frame, Standard Casing Frame, and Deluxe Casing Frame are used for outside mounts, and Z frames in combination with sill frames or L-frames are used for inside mounts.

Suggested Frame Combinations for Corner Windows

| Frame Type | Options |
|---|---|
| Standard L-Frame | Standard L-Frame |
| Standard Z-Frame | Standard L-Frame |
| Decorative Z-Frame | Decorative/Classic Z-Sill Frame |
| Colonial Z-Frame | Standard L-Frame |
| Classic Z-Frame | Decorative/Classic Z-Sill Frame |
| Deluxe Z-Frame | Decorative/Classic Z-Sill Frame |
| Modern Z-Frame | Modern Z-Sill Frame |
| Deluxe Casing Frame | Deluxe Casing Sill/Extended L-Frame |
| Standard Casing Frame | Standard Casing Sill/Decorative L-Frame |
| Deluxe Casing Sill/Extended L-Frame | Deluxe Casing Sill/Extended L-Frame |
| Standard Casing Sill/Decorative L-Frame | Standard Casing Sill/Decorative L-Frame |

Notes

- Examples of inside and outside mount applications.

Panel Configurations

Any standard hinged panel configuration — whether Bi-Fold or individually hinged — may be ordered for corner windows. However, it is very important to plan how the installed shutters will open.

For example, most customers would not want two “LR” configurations. Opening the shutter panels in the corner would conflict with each other. It would be better to order the shutters as single panels or bi-folds hinged to the outer side of the frame.

Measuring and Ordering

Measuring instructions are shown on the following page.

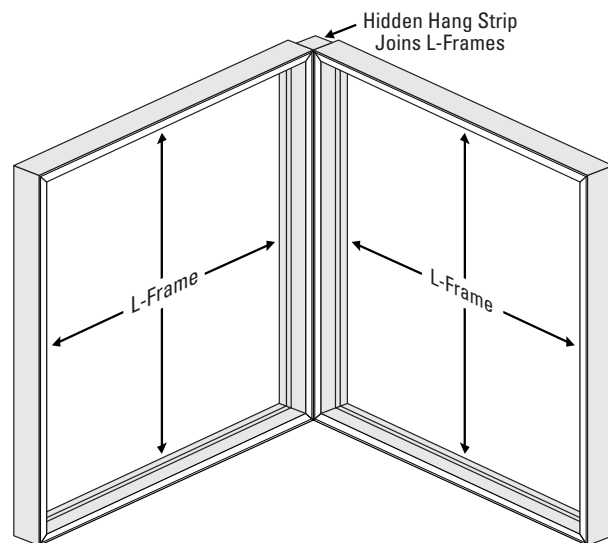
There is one worksheet for corner windows — for both inside and outside mounts. For each order, complete the worksheet, transfer the information to the standard Palm Beach™ order form and attach a copy of the worksheet to the order form.

Sill Frames

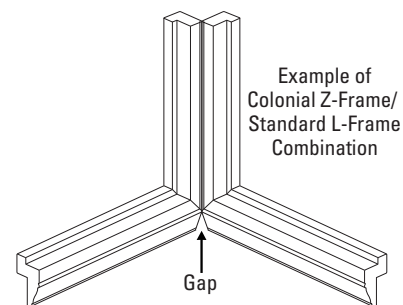
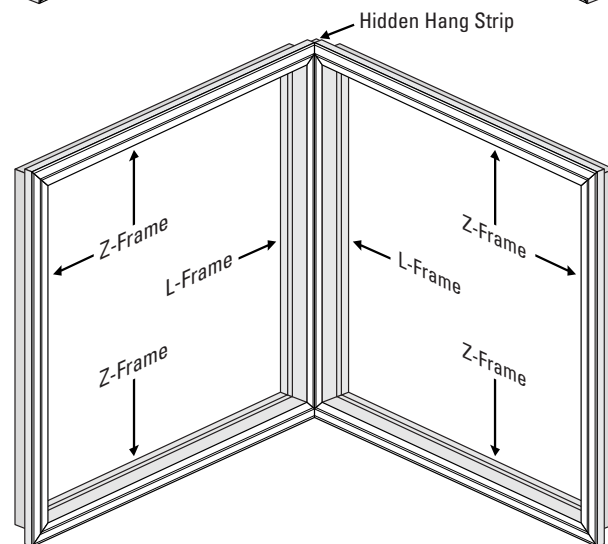
If desired, a Sill Frame can be specified at the top and/or bottom of the opening. Use the frame detail on the order form when ordering.

Effective 05/13/25

Corner Window
Standard L-Frame
Outside Mount



Corner Window
Standard Z/L-Frame
Combination
Inside Mount



Notes

- Colonial Z/L, Classic Z/L, and Casing Frame/L combinations are not recommended with corner window applications. These frame profiles create a gap at the corner where the frame assemblies meet.

Corner Windows

PALM BEACH™ POLYSATIN™ SHUTTERS

Measuring

Measuring for Corner Window Outside Mounts (OM)

Standard L-Frame (L21)

Refer to the Corner Window worksheet and follow the steps below. Enter all measurements on the worksheet. Then perform the required calculations, transfer the results to the standard Palm Beach™ order form and attach the worksheet.

Step One

Place the Standard L-Frame (L21) at the appropriate position left of opening 1 and allow for a $\frac{3}{8}$ " reveal. Mark **A**. Repeat this step at **D**.

Step Two

Locate and mark positions **B** and **C** (same point).

Step Three

Measure the distance from mark **A** to mark **B** and subtract $2\frac{1}{16}$ " (opening 1). Repeat for **C** to **D** and subtract $2\frac{1}{16}$ " (opening 2). Enter these width measurements on the worksheet.

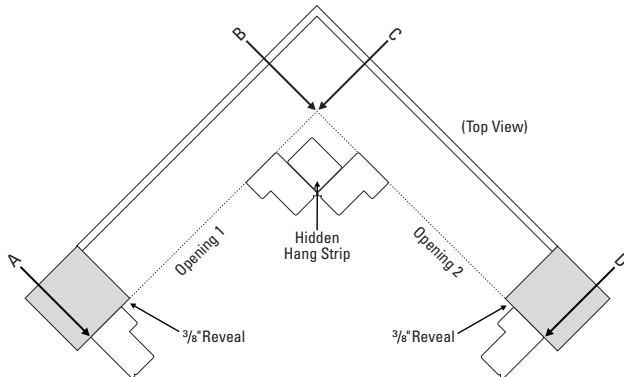
Step Four

Measure the inside height in three places for each opening. Use the **largest** height measurement for **both shutters** and add the following:

- Add $3\frac{3}{8}$ " for four-sided Deluxe Casing Sill/Extended L-Frame and Standard L-Frame.
- Add $3\frac{3}{8}$ " for four-sided frame with bottom sill, not on existing window sill.
- Add $1\frac{1}{16}$ " if bottom Sill Frame is on window sill.

Step Five

Transfer the information from the worksheet to the standard Palm Beach order form and indicate in the "Notes" section that the shutters are for a corner window. Attach the worksheet to the order form.



Measuring for Corner Window Inside Mounts (IM)

Standard Z-Frame (Z21) with Standard L-Frame (L21)

Refer to the Corner Window worksheet and follow the steps below. Enter all measurements on the worksheet. Then perform the required calculations, transfer the results to the standard Palm Beach order form and attach the worksheet.

Step One

Locate and mark positions **B** and **C** (same point).

Step Two

Measure inside opening 1 from the wall at **A** to the mark at **B** and subtract $\frac{3}{4}$ ". This provides a $\frac{1}{4}$ " space to **A**.

Step Three

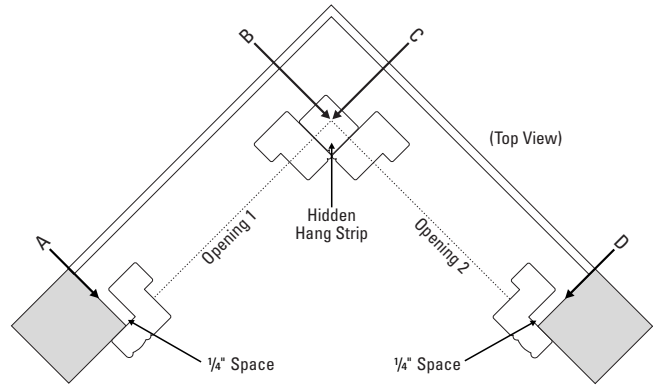
Measure inside opening 2 from the mark at **C** to the wall at **D** and subtract $\frac{3}{4}$ ". This provides a $\frac{1}{4}$ " space to **D**.

Step Four

Measure the inside height in three places for each opening. Use the **smallest** inside height and subtract $\frac{1}{4}$ " to determine your ordered height for both openings to allow for vertical racking adjustment.

Step Five

Transfer the information from the Corner Window worksheet to the standard Palm Beach order form and indicate in the "Notes" section that the shutters are for a corner window. Attach the worksheet to the order form.



Notes

- These measuring procedures provide a $\frac{3}{8}$ " reveal on the width. After evaluating the diagonals, additional allowances may be necessary to compensate for out-of-square windows.
- For corner window applications, be sure to order 1" Hang Strip as lineal material. Order the Hang Strip to be $\frac{1}{16}$ " shorter than the ordered height.

Café and Double-Hung Shutters

PALM BEACH™ POLYSATIN™ SHUTTERS

Café Shutters (CS)

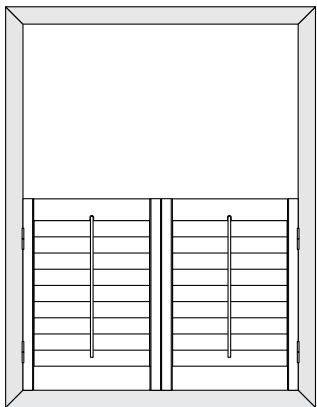
- May be inside (IM) or outside mount (OM).
- Price the shutter using your ordered width and café height, and add the appropriate surcharge (see Pricing – Surcharges & Accessories**). The surcharge is for the extra frame being used to cover the entire opening.
- You may also order a three-sided frame, with the top of the frame sides flush with the top of the shutter panels.

Notes

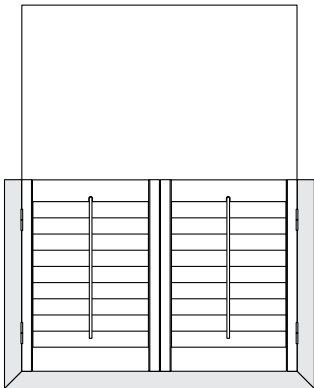
- Vertical T-Posts are not recommended with three-sided or café applications due to possible lack of a stable mounting surface.

If café shutters are desired, it is important to order them as café, not as a standard hinged shutter with a 3-sided frame.

| Café Style | Standard Hinged with 3-Sided Frame |
|---|---|
| Frame end caps are provided to finish the tops of the side frames | Frame end caps are not provided; tops of side frames will be open |
| Top of panel is flush with top of side frame | Top of panel is lower than top of side frame due to standard panel deductions |
| On IM shutters, no height deduction is taken on the side frames | On IM shutters, a 1/8" deduction will be taken on the side frames |



Full Frame

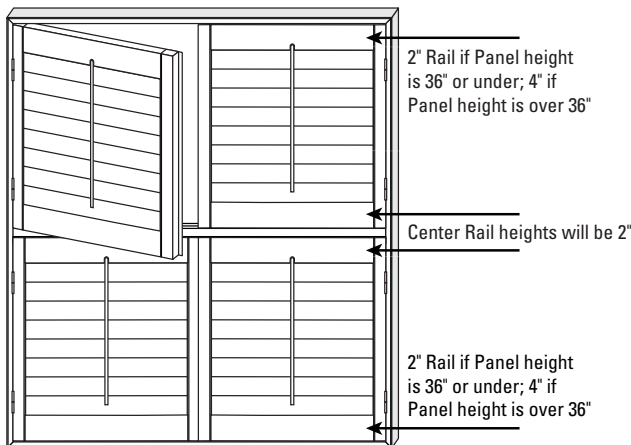


Three-Sided Frame

Double-Hung Shutters (DH)

A Double-Hung shutter consists of two panels or groups of panels which are mounted separately, one above the other, and can swing open separately. There is a surcharge with this option (see Pricing – Surcharges & Accessories**).

There will be a 1/8" gap between the top and bottom panels. A horizontal T-Post is recommended to stabilize panels and to block light. There may be variation in the horizontal T-Post position to keep the top and bottom rails of the panels equal size. A horizontal T-Post cannot be specified with Hang Strip applications.



Double-Hung

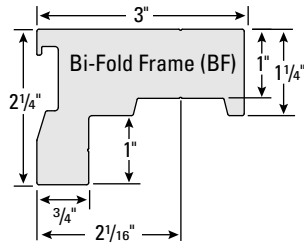
Notes

- Double-Hung shutters are not recommended when the single and combined panel width is greater than the height — panel sagging will occur.
- For Double-Hung shutters with PowerView® Gen 3 Automation:
 - Motors will be located in the top rail for the top panels, and in the bottom rail for the bottom panels.
 - Divider rails are not available.

Track Frames and Components

PALM BEACH™ POLYSATIN™ SHUTTERS

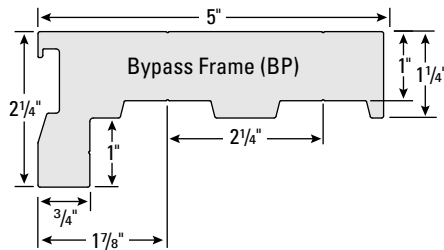
Bi-Fold Track Frame (BF)



The Bi-Fold Track Frame uses a single track on which hinged panels glide to open and close.

- Mounting type: inside or outside mount.
- Pre-drilled installation holes.
- Track Frame Build-Out is available for louver clearance.
- Corner key is not used with this frame.

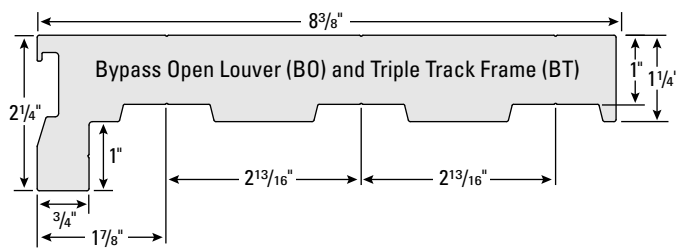
Bypass Track Frame (BP)



The Bypass Track Frame uses two tracks where panels can slide past each other with louvers in the closed position.

- Mounting type: inside or outside mount.
- Pre-drilled installation holes.
- Track Frame Build-Out is available for louver clearance.
- Corner key is not used with this frame.

Bypass Open Louver (BO) And Bypass Triple Track (BT) Frame

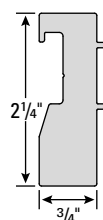


The Bypass Open Louver Track Frame uses two tracks where the panels can slide past each other with louvers in the open position. The Bypass Triple Track Frame uses three tracks, where panels can slide past each other with louvers in the closed position.

- Mounting type: inside or outside mount.
- Pre-drilled installation holes.
- Track Frame Build-Out is not recommended.
- Corner key is not used with this frame.

Build-Out

The Track Frame Build-Out adds projection to the Bypass Track Frame or Bi-Fold Track Frame in 3/4 inch increments.



Track Frame Build-Out (TFBO)

Divider Rails

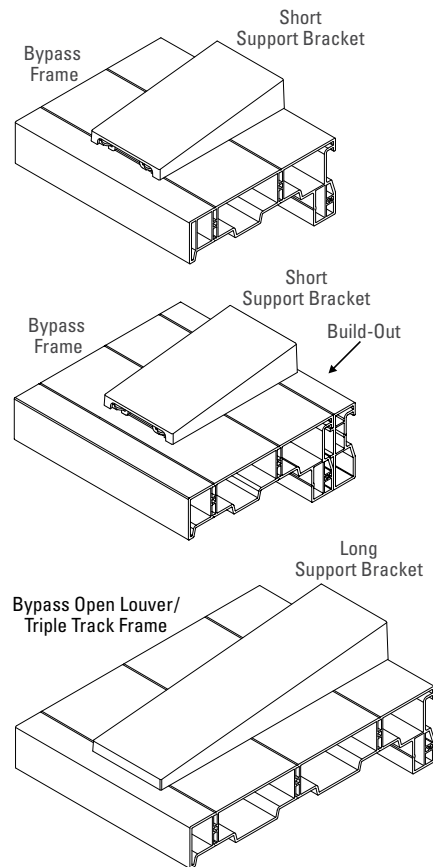
A divider rail is required on track system applications when panels exceed 66" in height. Two divider rails are required on panels greater than 96" in height.

Note

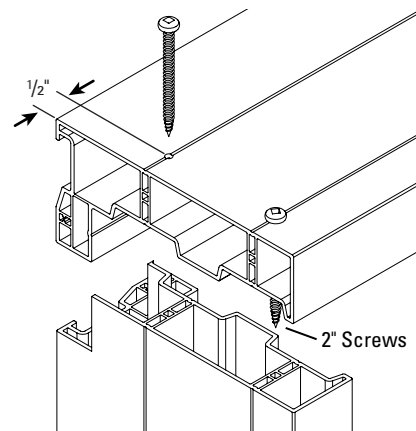
SoftClose louvers are not available on panels with two divider rails.

Bypass Support Brackets

- All Bypass track system configurations will include support brackets with color-coordinated covers. Installation of these brackets is critical for the lifetime operation of your shutters. Note that 1 1/2" of clearance is required above the frame for the bracket.
- In order to install the frame assembly, there must be enough clearance above the frame to get a tool in to attach it.



Track Frame Assembly



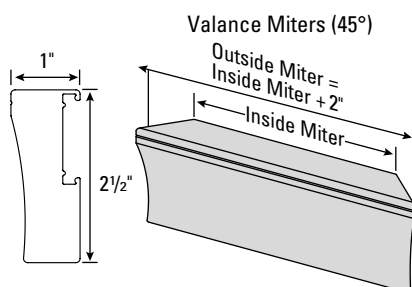
Track Components

PALM BEACH™ POLYSATIN™ SHUTTERS

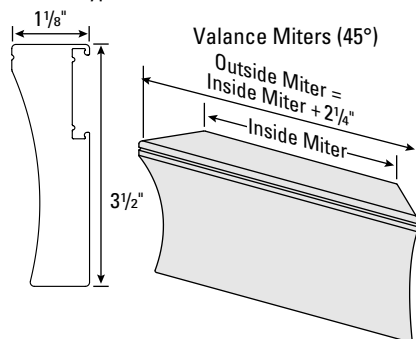
Valances

- Select standard or decorative valance for track configurations.
- Adjustable, spring-loaded valance clips are provided to attach the valance.
- Frames are pre-drilled for valance clip installation when a valance is ordered.

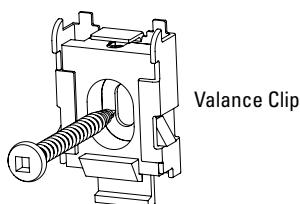
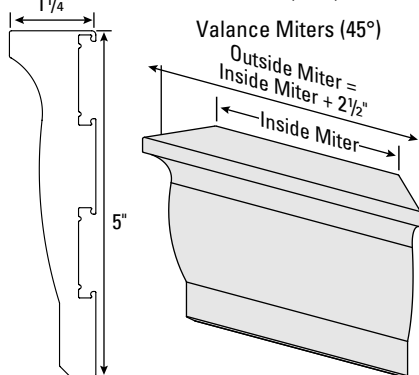
Bi-Fold Standard Valance (BFSV)



Bypass Standard Valance (BPSV)

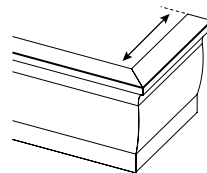


Decorative Valance (DEC)



Valance Returns

- If returns are desired for an inside mount, specify length when ordering (1" minimum). Note the return length in Special Instructions.
- When specifying return length, add 1/8" to allow for the additional depth of the valance clips.
- If mounting on moldings, longer return lengths than standard can be ordered.



Return Length =
Distance from Front
of Frame to Back of
Valance plus 1/8"

Standard Valance Return Lengths

| | No Build-Out | 1 Build-Out | 2 Build-Outs |
|--------------|--------------|-------------|--------------|
| BF | 3 1/8" | 3 7/8" | 4 5/8" |
| BP | 5 1/8" | 5 7/8" | 6 5/8" |
| BO/BT | 8 1/2" | 9 1/4" | 10" |

Notes

- Includes 1/8" for valance clip.

PALM BEACH™ POLYSATIN™ SHUTTERS

Bottom tracks and floor guides are recommended for track configurations to improve panel functionality and performance.

One option is available for Bi-Fold configurations, and four options are available for Bypass configurations.

Optional bottom tracks are available for Bi-Fold and Bypass track configurations. Bottom tracks must be specified at the time of ordering regardless of frame configuration so that the factory can take an additional 1/2" deduction to allow for the height of the track. Bottom tracks run the full width of the opening.

-
- Technical drawing of a mechanical part with dimensions:
- Overall width: $1\frac{3}{16}"$
 - Distance between the two main vertical features: $\frac{7}{16}"$
 - Height of the part: $\frac{9}{16}"$

Notes

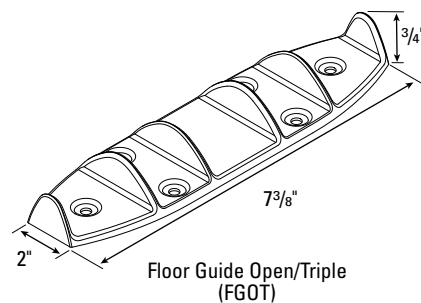
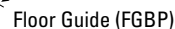
1. The Bypass Bottom Track has two parts, the Bottom Track and the Bottom Track Guide. The Bottom Track Guide comes attached to the bottom of the panels. The Bottom Track comes as the full inside width of the frame. It is scored so that it may be separated to accommodate different panel configurations. See Bypass Track Configuration Details with Floor Guide Options™ for examples.



2. An optional Hidden Panel Bypass Guide can be ordered when noted on the order form. This guide eliminates the need for a floor attachment.

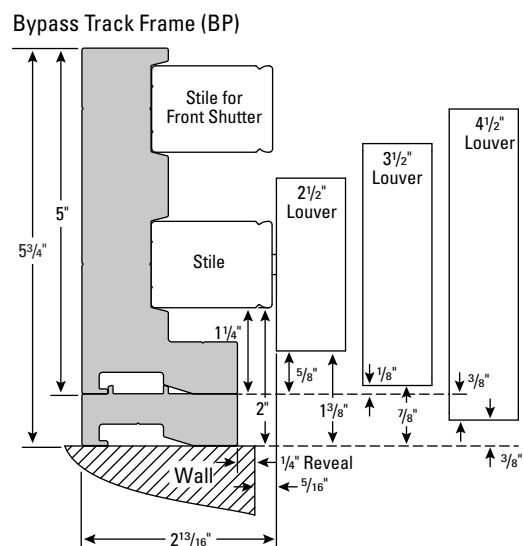


3. An optional molded piece that is attached to the floor can be ordered for Bypass configurations.



Notes

- ## Track System Louver Clearances

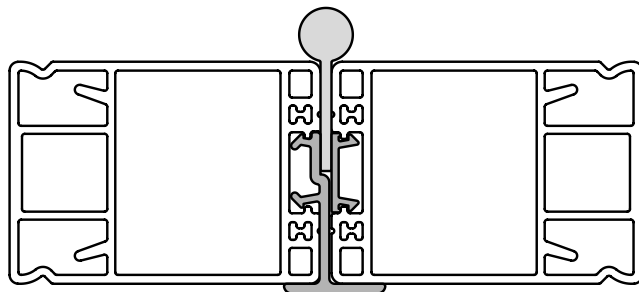


Track Components

PALM BEACH™ POLYSATIN™ SHUTTERS

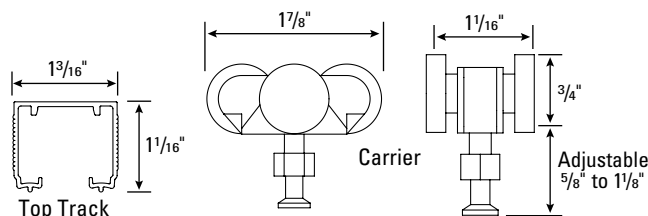
Married Bypass Track Panels

If a Bypass Track configuration has two or more adjacent panels on a track, they may be married together so that they move as a single unit within the opening. Hinges are applied to the rear of the panels where the stiles meet to connect the panels as shown below. See Bypass Track Configurations™ for examples of configurations with married panels.



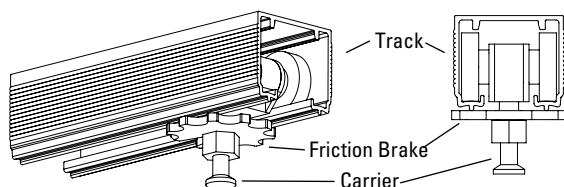
Top Track and Carrier Dimensions

Shown here are the dimensions of the top track and carriers.



Friction Brake

In certain track installations, the panels may drift due to out-of-square window openings or settling of the home. The friction brake may be installed on one or more track system carriers to provide slight resistance and prevent panel drift.

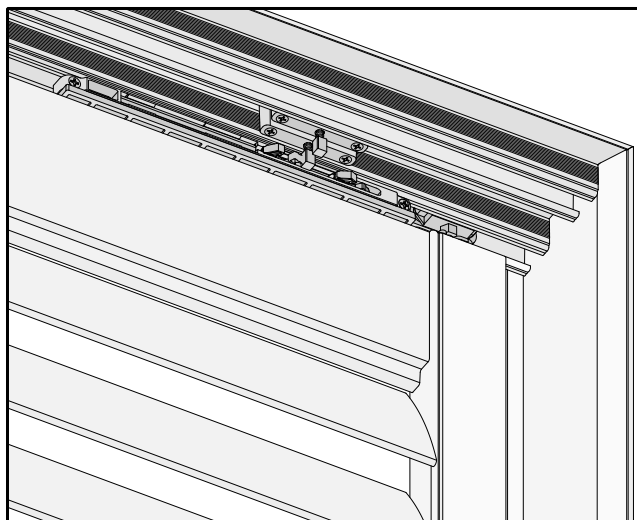


Notes

- A minimum depth of 2 1/2" is required to inside mount either the Bi-Fold or Bypass Frame.
- For front tilt and HiddenTilt™, allow an additional 1/4" for louver clearance from the back edge of the louvers.
- For TruView™ rear tilt, allow an additional 3/4" for clearance. This includes the 1/4" standard recommended clearance and the 1/2" clearance for the rear tilt bar.
- Always check for obstructions.
- 3/4" Hang Strips (HS21) are sent as privacy strips for Bypass Track systems; 1" Hang Strips (HS22) are sent as privacy strips for Bypass Triple Track systems.
- Stiles are sent as privacy strips for Bypass Open Louver Track systems.

SoftClose™ for Bypass

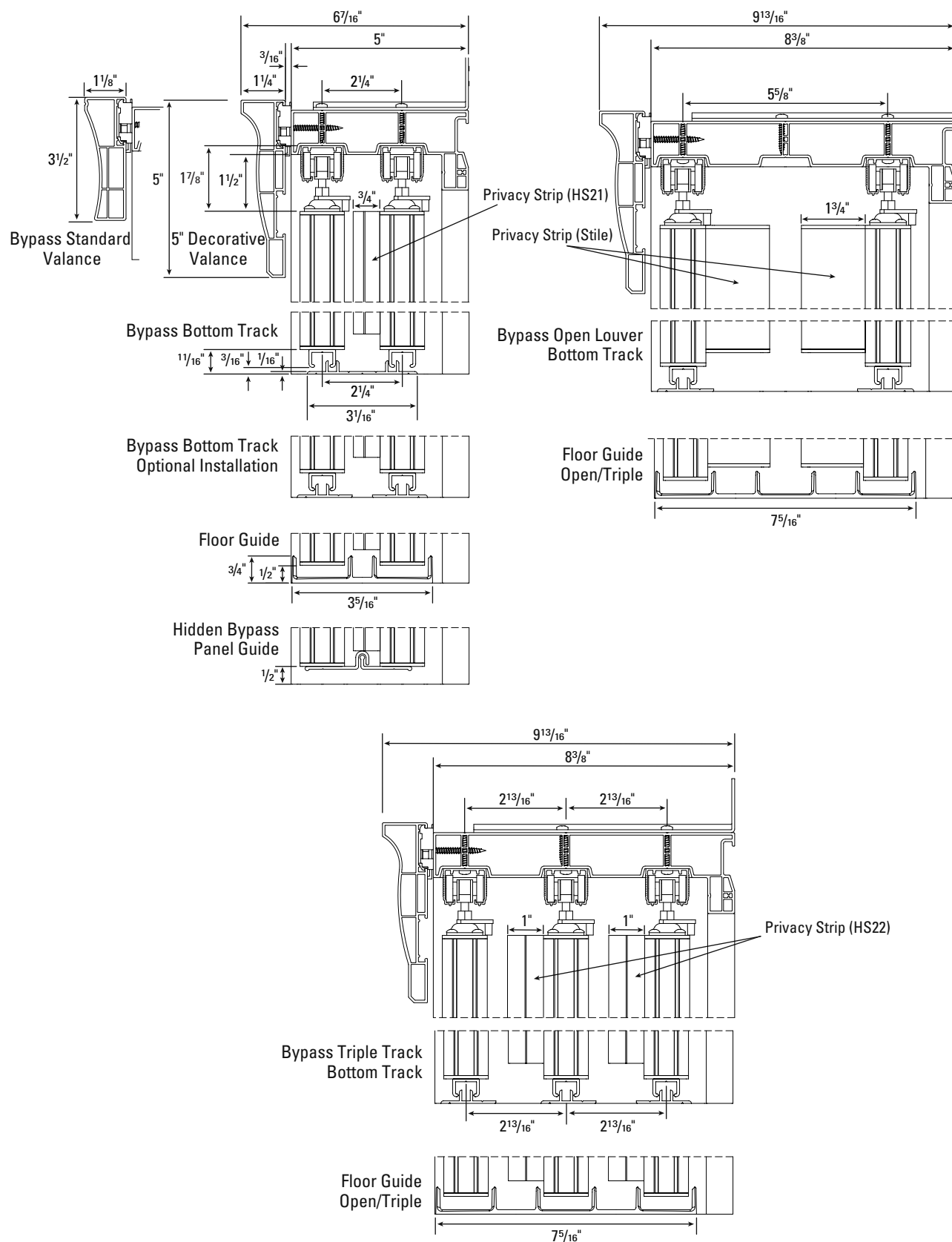
SoftClose™ for Bypass is a mechanism for opening/closing bypass panels and will come standard on all bypass track systems. There are no measurement or deductions impacts when ordering. The SoftClose for Bypass components will come pre-installed and may require slight adjustment at installation. During installation, panel placement will be important to ensure engagement of the SoftClose components. Panel configuration will need to be selected with care.



Track Components

PALM BEACH™ POLYSATIN™ SHUTTERS

Bypass Track Configuration Details with Floor Guide Options



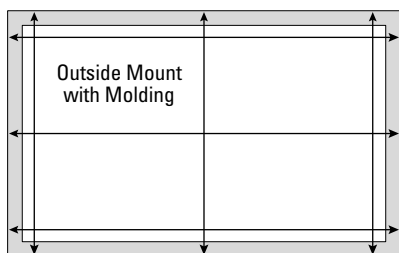
Bi-Fold and Bypass Track — Measuring Guidelines

PALM BEACH™ POLYSATIN™ SHUTTERS

Outside Mount with Molding

We do not recommend mounting track configurations onto most moldings. If the molding is not flat, or if it is less than 2" wide, we suggest removing it or mounting beyond the molding.

1. Measure the width from outside molding to outside molding at the top, middle, and bottom of the window opening. Record the **largest** measurement.
2. Measure the height from outside molding to outside molding at the left, center, and right of the window opening. Record the **largest** measurement.



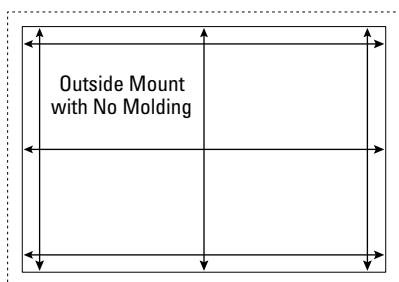
3. To determine ordered size, add the appropriate overlap factors from the Outside Mount Frame Overlap chart.

The ordered measurements will be the finished size of the shutter including the frame.

Outside Mount with No Molding

Any molding around the opening must be removed before shutter installation.

1. Measure the width inside the opening at the top, middle, and bottom. Record all three measurements.
2. Measure the height inside the opening at the left, center, and right. Record all three measurements.



3. To determine ordered size, add the appropriate overlap factors from the Outside Mount Frame Overlap chart.

The ordered measurements will be the finished size of the shutter including the frame.

Outside Mount Frame Overlap

| Track Type | Overlap per Frame Side |
|---------------|------------------------|
| Bi-Fold Track | 2 1/2" |
| Bypass Track | 2 1/2" |

Notes

- Overlap factor provides for the frame base plus a 1/4" reveal per frame side.

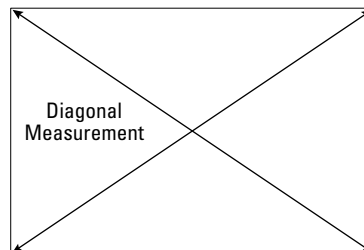
Inside Mount Deductions

The factory takes a 1/4" inside mount deduction. If you desire a different deduction, make your adjustment to the ordered width and height dimensions before placing your order.

Inside Mount with Frame

Inside mounts pose an added degree of difficulty due to several factors. Handles and locks, depth, and squareness of the window opening must be considered. For inside mount, all measurements should be tight and measured to the nearest 1/16".

1. Measure the width inside the opening at the top, middle, and bottom. Record the **smallest** measurement.
2. Measure the height inside the opening at the left, center, and right. Record the **smallest** measurement.
3. To determine squareness, measure diagonally from top left to bottom right and from top right to bottom left. If the measurements are not equal, the opening is not square. Reduce the ordered size accordingly or if the measured difference is greater than 1/2" consider an outside mount.



The ordered measurements are the size from which frame deductions will be taken. Standard deductions are 1/4" from ordered width and height on four-sided frames. On three-sided frames the height deduction is 1/8".

Minimum Mounting Depths for Framed Configurations

For minimum mounting depths, refer to Track System Louver Clearances™. Note that a minimum depth of 2 1/2" is required to inside mount Bi-Fold and Bypass Frames.

Inside Mount with No Frame

Follow the same procedure as described above for inside mounts with frames. If the opening is not square, a framed configuration should be strongly considered.

Notes

- If no frame is used, small light gaps will exist around the edges of the panels.

Minimum Mounting Depths for Unframed Configurations

A minimum depth of 2 1/2" is required for Bi-Fold Track configurations without frames. A minimum of 4 1/4" is required for Bypass Track configurations without frames.

Add 3/4" to these minimum depth requirements if the tilt bar will be located on the rear of the shutter.

Clearance Information

Panel Clearance

Bi-Fold panel-to-floor deduction is 5/8". For Bypass panel-to-floor deductions, see Track Components™.

Support Brackets

Support brackets come standard with all outside mounted track configurations. Note that 1 1/2" of clearance is required above the frame. See Bypass Support Brackets™ for illustrations of the support brackets.

Notes

- For stackback measuring guidelines, refer to Bi-Fold Track Configurations™ and Bypass Track Configurations™.
- When ordering track configurations to install on top of pre-existing molding, you must order longer top valance returns.

Bi-Fold Track Configurations

PALM BEACH™ POLYSATIN™ SHUTTERS

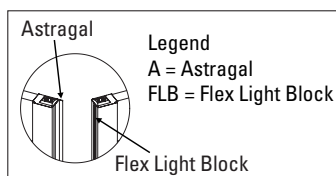
Overview

Bi-Fold Track configurations use a top track on which the shutter panels glide to open and close. They are designed in multiples of two panels (two, four, or six) which are hinged together in a variety of configurations.

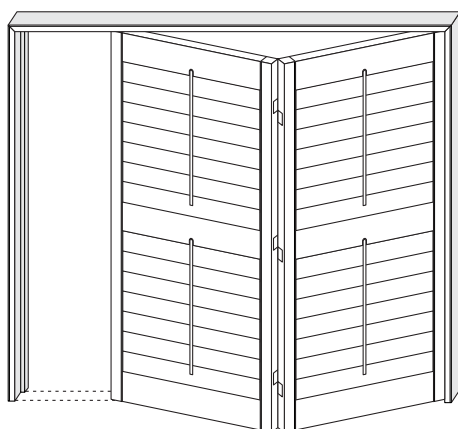
A maximum of eight panels can be hinged together. Bi-Fold Track configurations are most commonly used in extra wide windows such as sliding doors and are typically ordered with 3-sided frames.

Notes

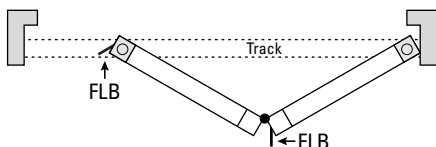
- When ordering a Bi-Fold Track configuration, it is advised to order the optional bottom track to improve alignment and functionality.
- Minimum and maximum ordered widths are based on outside mount applications.



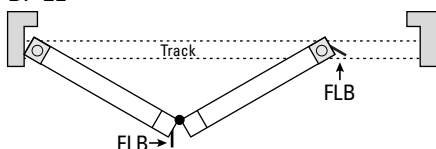
Two Panels



BF-2R



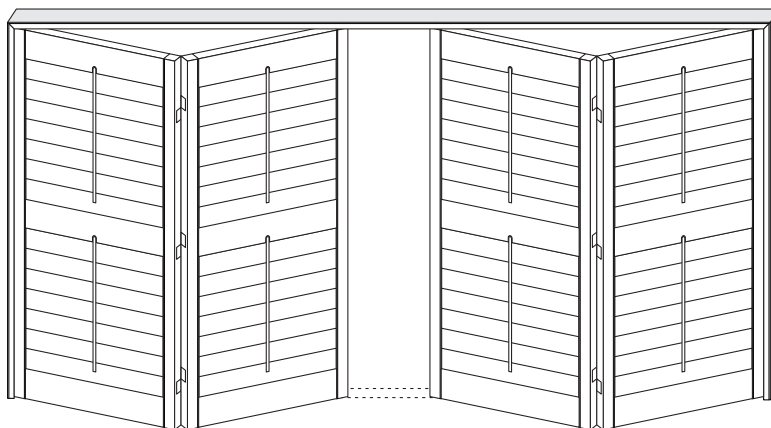
BF-2L



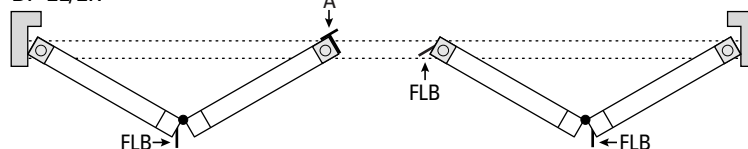
Ordered Width

| Frame | Minimum | Maximum |
|-------|----------------------------------|----------------------------------|
| BF | 26 ¹ / ₂ " | 50 ¹ / ₂ " |
| N | 24 ¹ / ₂ " | 48 ¹ / ₂ " |

Four Panels



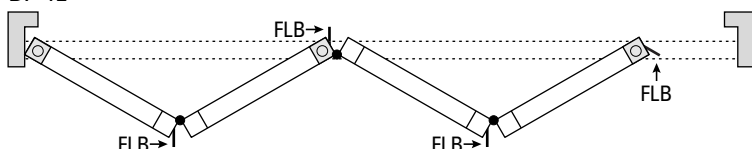
BF-2L/2R



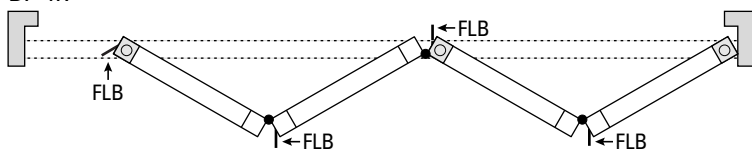
Ordered Width

| Frame | Minimum | Maximum |
|-------|----------------------------------|----------------------------------|
| BF | 50 ⁷ / ₈ " | 98 ⁷ / ₈ " |
| N | 48 ⁷ / ₈ " | 96 ⁷ / ₈ " |

BF-4L



BF-4R



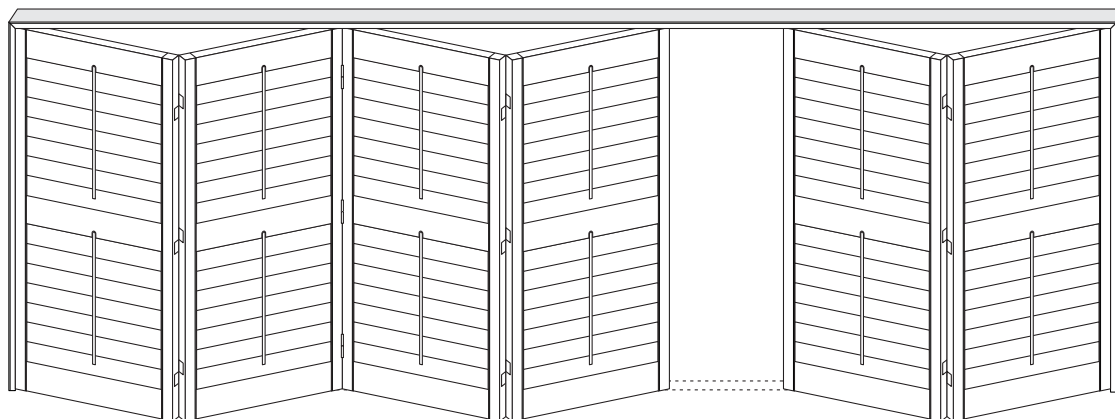
Ordered Width

| Frame | Minimum | Maximum |
|-------|----------------------------------|----------------------------------|
| BF | 50 ³ / ₄ " | 98 ³ / ₄ " |
| N | 48 ³ / ₄ " | 96 ³ / ₄ " |

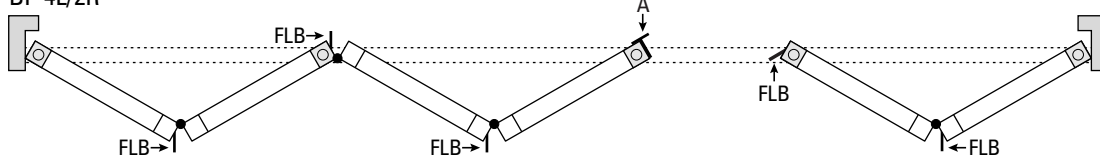
Bi-Fold Track Configurations

PALM BEACH™ POLYSATIN™ SHUTTERS

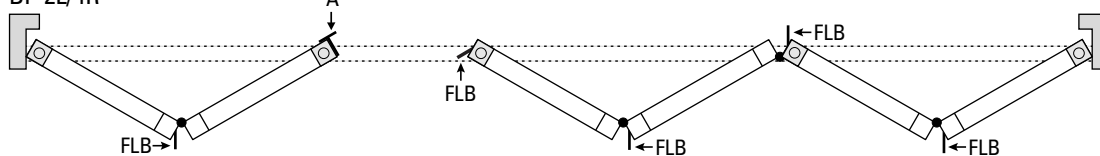
Six Panels



BF-4L/2R



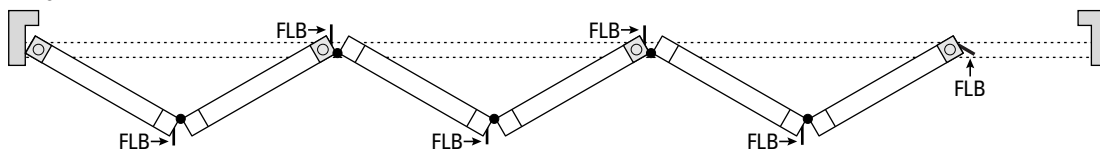
BF-2L/4R



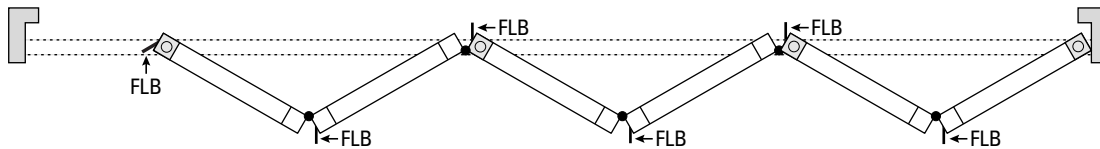
Ordered Width

| Frame | Minimum | Maximum |
|-------|----------------------------------|-----------------------------------|
| BF | 75 ¹ / ₈ " | 147 ¹ / ₈ " |
| N | 73 ¹ / ₈ " | 145 ¹ / ₈ " |

BF-6L



BF-6R



Ordered Width

| Frame | Minimum | Maximum |
|-------|---------|---------|
| BF | 75" | 147" |
| N | 73" | 145" |

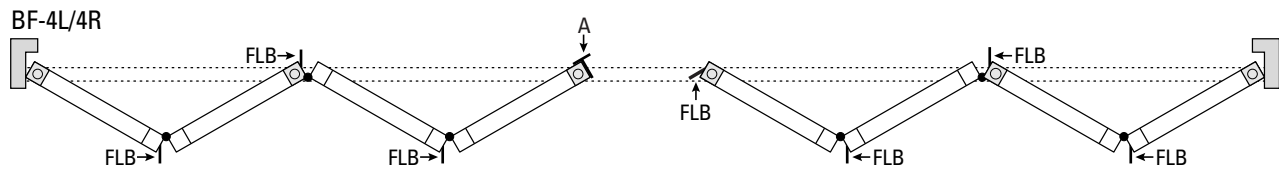
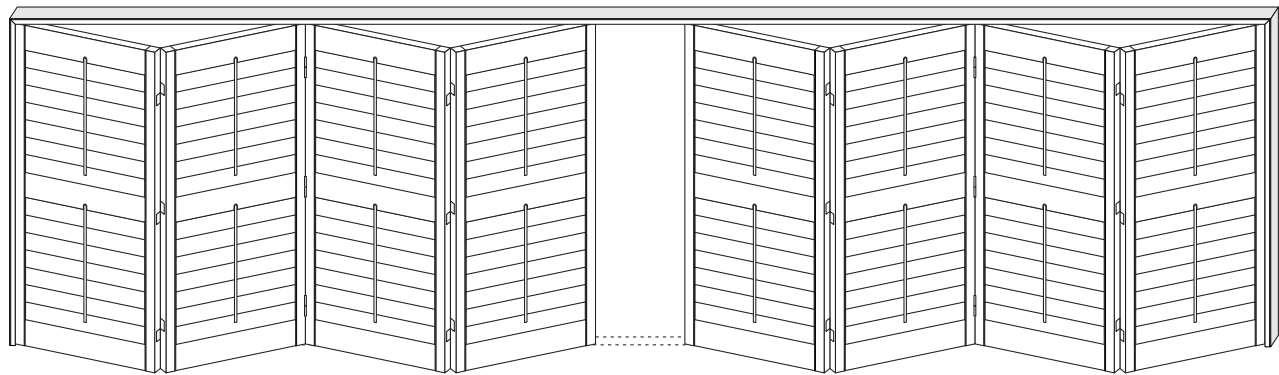
Notes

- Minimum and maximum ordered widths are based on outside mount applications.

Bi-Fold Track Configurations

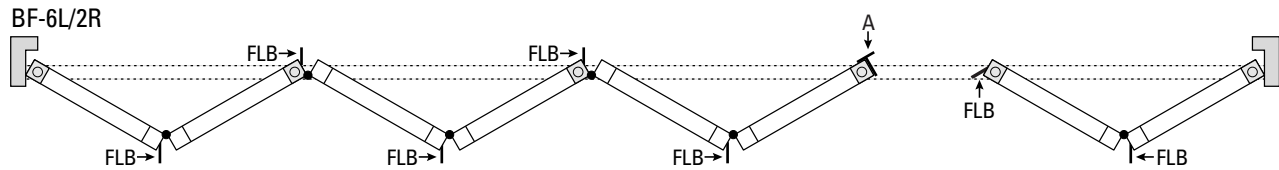
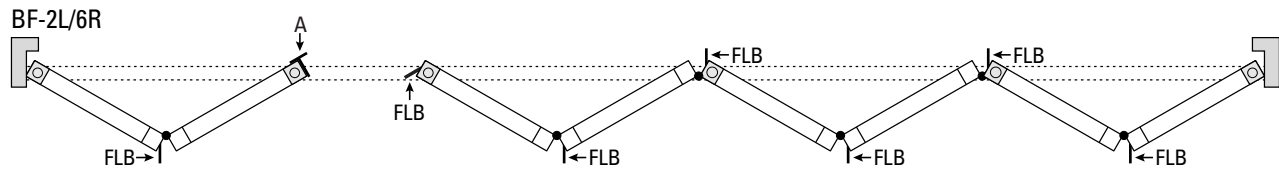
PALM BEACH™ POLYSATIN™ SHUTTERS

Eight Panels



Ordered Width

| Frame | Minimum | Maximum |
|-------|----------------------------------|-----------------------------------|
| BF | 99 ¹ / ₄ " | 195 ¹ / ₄ " |
| N | 97 ¹ / ₄ " | 193 ¹ / ₄ " |



Ordered Width

| Frame | Minimum | Maximum |
|-------|----------------------------------|-----------------------------------|
| BF | 99 ³ / ₈ " | 195 ³ / ₈ " |
| N | 97 ³ / ₈ " | 193 ³ / ₈ " |

Notes

- Minimum and maximum ordered widths are based on outside mount applications.
- Other multiple panel arrangements are possible, including ten and twelve panels. Consult Customer Service for details.

Bi-Fold Track Configurations

PALM BEACH™ POLYSATIN™ SHUTTERS

Stackback Design

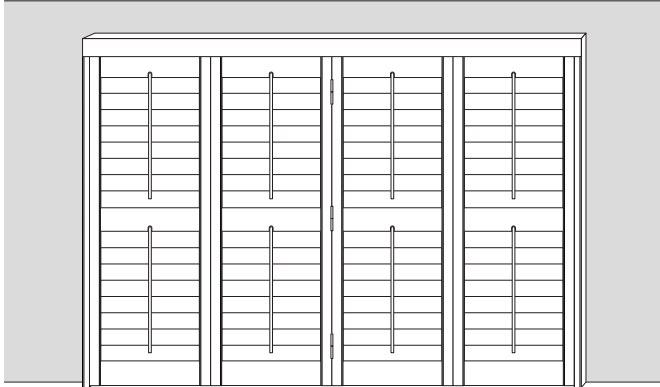
A stackback design enables the panels of a Bi-Fold Track configuration to be pushed away from the opening and completely uncover it. This is achieved by extending the top frame and track a distance equal to 2" for each pivot point at the far ends of the installation, plus 4" per set of panels. A pivot point is the stationary location on the frame sides where panels are anchored and fold away from the opening.

Examples:

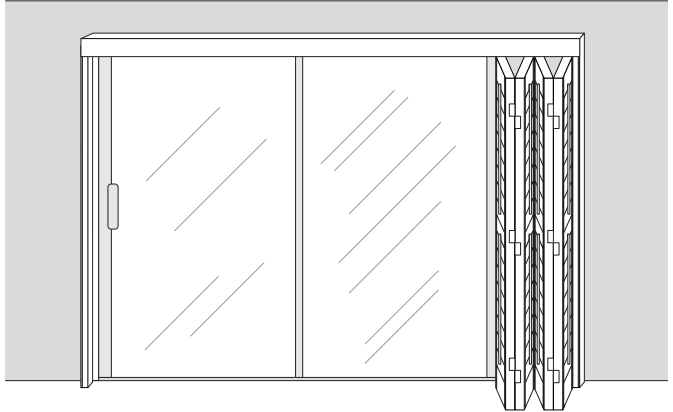
4L has one pivot point on the left. 2L/2R has two pivot points, one on the left and one on the right.

In the illustration below, a four-panel Bi-Fold track configuration is extended by the needed distance to stack the panels back. This design is usually considered when a customer desires more view and wall space is available.

Bi-Fold Stackback Design – Closed



Bi-Fold Stackback Design – Open



Notes

- On a Bi-Fold stackback design, a portion of the wall is hidden behind the shutter panel, and there may be limited louver operation.
- In Bi-Fold track stackback applications, the Ordered Width and the stackback width are the same.

Bypass Track Configurations

PALM BEACH™ POLYSATIN™ SHUTTERS

Overview

Shutter panels in Bypass and Bypass Open Louver Track configurations are not hinged. Bypass Track configurations use two or three tracks and floor guides on which the shutter panels glide to open and close. It is designed for multiple panels (two, three, four, five, six, or eight) which are used individually or attached in sets in a variety of configurations. Discreet stile joiners are used to marry multiple panels together when ordered in sets.

Bypass Track configurations are most commonly used in extra wide windows such as sliding doors and are typically ordered with 3-sided frames.

With Bypass Track configurations, floor guides are used to hold the panels in alignment when operating the shutters or subjecting them to wind.

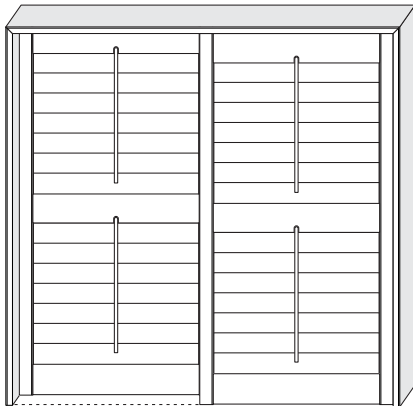
Privacy Features

All Bypass track configurations come standard with a privacy and light blocking feature. This is a field installed feature.

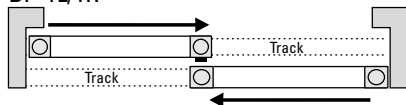
Notes

- Bypass panel overlaps of $1\frac{3}{8}$ " are accounted for in minimum and maximum ordered widths.
- Units with panel widths less than $27\frac{1}{2}$ " may not be built with SoftClose™ for Bypass depending on the configuration. A pop-up in DirectConnect™ will indicate when a unit cannot be made with SoftClose for Bypass.
- Ordered widths are based on outside mount applications.
- All panel configurations are available as standard Bypass or Bypass Open Louver Track configurations.

Two Panels

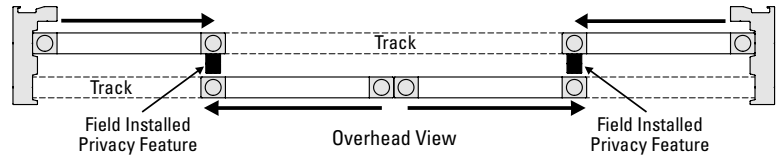


BP-1L/1R

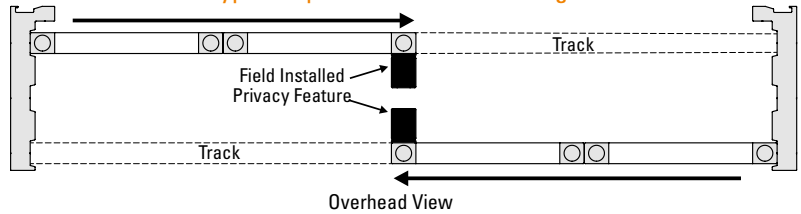


| Ordered Width | | | |
|---------------------|-------------------|--------------------------|-------------------|
| Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
| BP | $24\frac{5}{8}$ " | $34\frac{5}{8}$ " | $72\frac{5}{8}$ " |
| Single Stackback | $23\frac{5}{8}$ " | $33\frac{5}{8}$ " | $71\frac{5}{8}$ " |
| N, Double Stackback | $22\frac{5}{8}$ " | $32\frac{5}{8}$ " | $70\frac{5}{8}$ " |

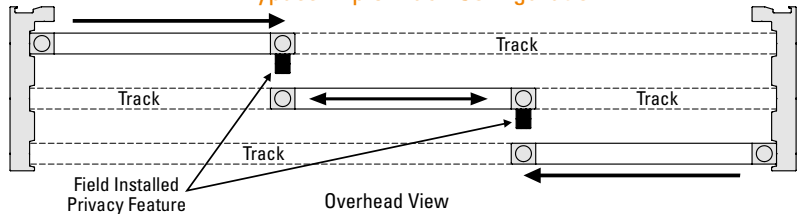
Bypass Track Configuration



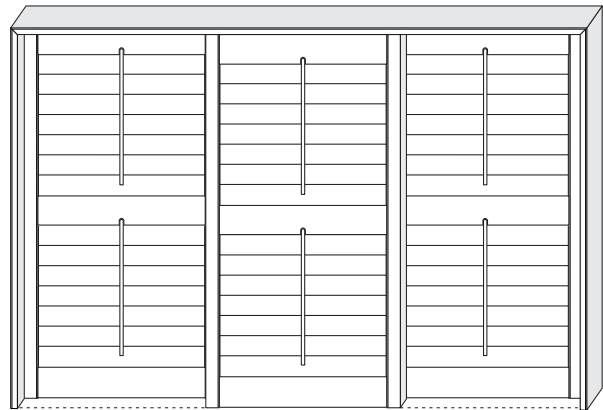
Bypass Open Louver Track Configuration



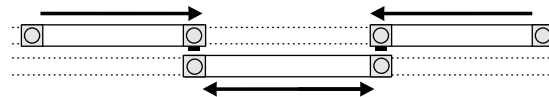
Bypass Triple Track Configuration



Three Panels



BP-1L/1C/1R



Ordered Width

| Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|---------------------|-------------------|--------------------------|--------------------|
| BP | $35\frac{1}{4}$ " | $50\frac{1}{4}$ " | $107\frac{1}{4}$ " |
| Single Stackback | $34\frac{1}{4}$ " | $49\frac{1}{4}$ " | $106\frac{1}{4}$ " |
| N, Double Stackback | $33\frac{1}{4}$ " | $48\frac{1}{4}$ " | $105\frac{1}{4}$ " |

Notes

- Available with two or three tracks.

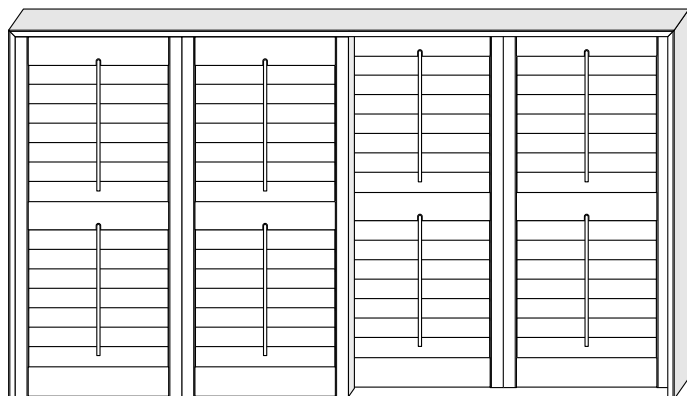
Notes

- Minimum and maximum ordered widths are based on outside mount applications.
- Other multiple panel arrangements are possible, including ten and twelve panels. Consult Customer Service for details.

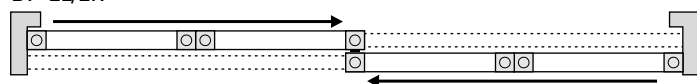
Bypass Track Configurations

PALM BEACH™ POLYSATIN™ SHUTTERS

Four Panels



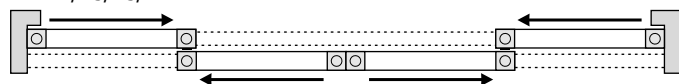
BP-2L/2R



Ordered Width

| Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|---------------------|----------------------------------|----------------------------------|-----------------------------------|
| BP | 48 ³ / ₄ " | 68 ³ / ₄ " | 144 ³ / ₄ " |
| Single Stackback | 47 ³ / ₄ " | 67 ³ / ₄ " | 143 ³ / ₄ " |
| N, Double Stackback | 46 ³ / ₄ " | 66 ³ / ₄ " | 142 ³ / ₄ " |

BP-1L/1C/1C/1R

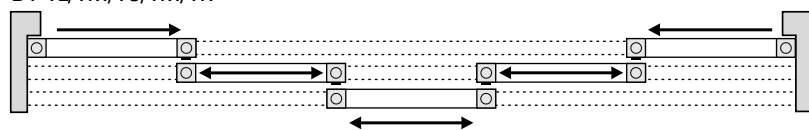


Ordered Width

| Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|---------------------|----------------------------------|----------------------------------|-----------------------------------|
| BP | 47 ¹ / ₄ " | 67 ¹ / ₄ " | 143 ¹ / ₄ " |
| Single Stackback | 46 ¹ / ₄ " | 66 ¹ / ₄ " | 142 ¹ / ₄ " |
| N, Double Stackback | 45 ¹ / ₄ " | 65 ¹ / ₄ " | 141 ¹ / ₄ " |

Five Panels

BT-1L/1M/1C/1M/1R



Ordered Width

| Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|---------------------|----------------------------------|----------------------------------|-----------------------------------|
| BP | 56 ¹ / ₂ " | 81 ¹ / ₂ " | 176 ¹ / ₂ " |
| Single Stackback | 55 ¹ / ₂ " | 80 ¹ / ₂ " | 175 ¹ / ₂ " |
| N, Double Stackback | 54 ¹ / ₂ " | 79 ¹ / ₂ " | 174 ¹ / ₂ " |

Notes

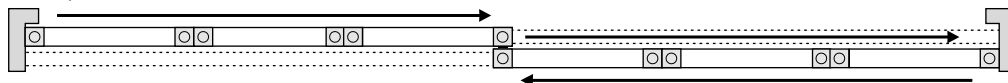
- Minimum and maximum ordered widths are based on outside mount applications.

Bypass Track Configurations

PALM BEACH™ POLYSATIN™ SHUTTERS

Six Panels

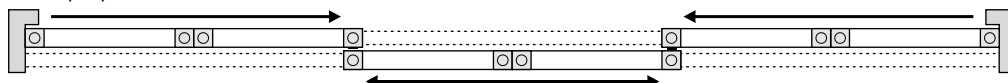
BP-3L/3R



Ordered Width

| Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|----------------------------|----------------------------------|-----------------------------------|-----------------------------------|
| BP | 72 ⁷ / ₈ " | 102 ⁷ / ₈ " | 216 ⁷ / ₈ " |
| Single Stackback | 71 ⁷ / ₈ " | 101 ⁷ / ₈ " | 215 ⁷ / ₈ " |
| N, Double Stackback | 70 ⁷ / ₈ " | 100 ⁷ / ₈ " | 214 ⁷ / ₈ " |

BP-2L/2C/2R



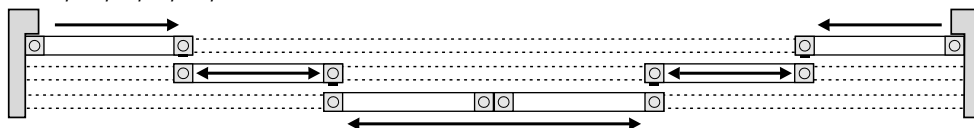
Ordered Width

| Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|----------------------------|-----------------------------------|------------------------------------|------------------------------------|
| BP | 71 ⁷ / ₁₆ " | 101 ⁷ / ₁₆ " | 215 ⁷ / ₁₆ " |
| Single Stackback | 70 ⁷ / ₁₆ " | 100 ⁷ / ₁₆ " | 214 ⁷ / ₁₆ " |
| N, Double Stackback | 69 ⁷ / ₁₆ " | 99 ⁷ / ₁₆ " | 213 ⁷ / ₁₆ " |

Notes

- Available with two or three tracks.

BT-1L/1M/1C/1C/1M/1R

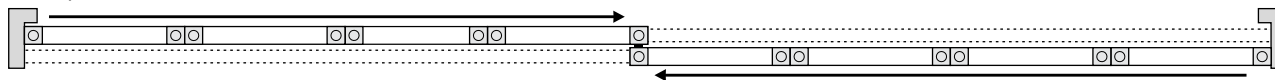


Ordered Width

| Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|----------------------------|----------------------------------|----------------------------------|-----------------------------------|
| BP | 68 ¹ / ₂ " | 98 ¹ / ₂ " | 212 ¹ / ₂ " |
| Single Stackback | 67 ¹ / ₂ " | 97 ¹ / ₂ " | 211 ¹ / ₂ " |
| N, Double Stackback | 66 ¹ / ₂ " | 96 ¹ / ₂ " | 210 ¹ / ₂ " |

Eight Panels

BP-4L/4R



Ordered Width

| Frame | Minimum | PowerView® Gen 3 Minimum | Maximum |
|----------------------------|---------|--------------------------|---------|
| BP | 97" | 137" | 289" |
| Single Stackback | 96" | 136" | 288" |
| N, Double Stackback | 95" | 135" | 287" |

Notes

- Minimum and maximum ordered widths are based on outside mount applications.
- Other multiple panel arrangements are possible, including 10 or 12 panels. Consult Customer Service for details.

Bypass Track Configurations

PALM BEACH™ POLYSATIN™ SHUTTERS

Stackback Design

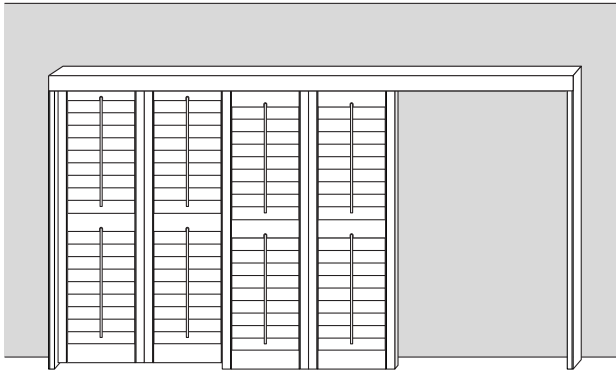
A stackback design enables both the front and rear panels of a Bypass Track configuration to slide from the opening to completely uncover it. In the illustration below, a four-panel Bypass Track configuration is extended by a distance equal to the width of two panels. This type of stackback configuration comes with design limitations. When the panels are closed, covering the glass, the valance and frame appear to be free floating on the wall as seen in the illustration below.

However, one or both of the side frames may be eliminated if the top frame abuts one or both walls, or is an inside mount or ceiling mount. This provides a very clean look to the installation assuming proper mounting is available.

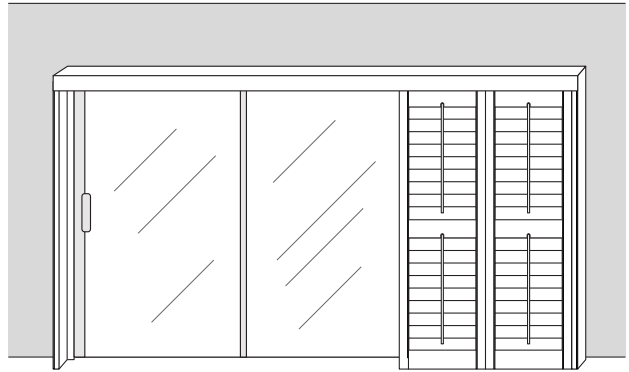
Notes

- When ordering a Bypass Track configuration with stackback, you must provide both ordered width and stackback width. You must also indicate whether the stackback is to the left, right, or both left and right. This information is required to calculate correct panel widths including $1\frac{3}{8}$ " overlaps.

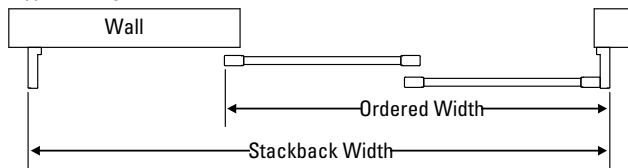
Bypass Stackback Design — Closed



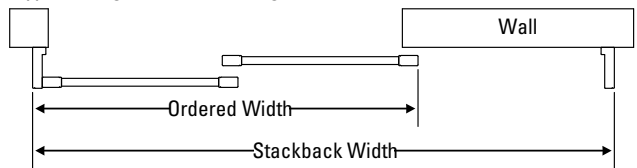
Bypass Stackback Design — Open



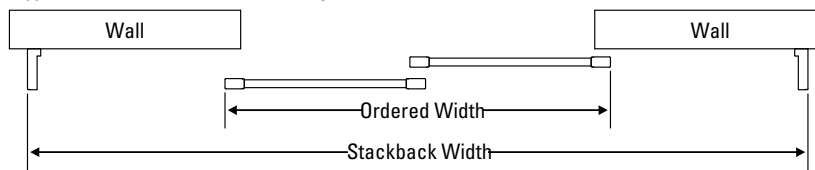
Bypass Single Stackback (Left)



Bypass Single Stackback (Right)



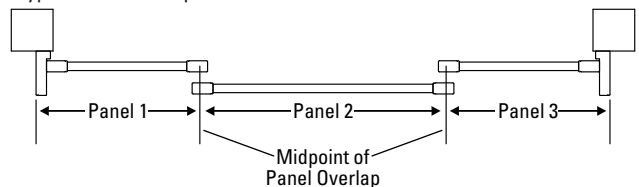
Bypass Double Stackback (Left-Right)



Bypass Track Unequal Panels

Equal panel widths are standard for Bypass Track configurations. If varying panel widths are required, specify as unequal panels in Special Instructions on the order form and provide panel measurements as shown at right.

Bypass Track Unequal Panels



PowerView® Gen 3 Automation Product Specifications

PALM BEACH™ POLYSATIN™ SHUTTERS

The Basics

Shutters with PowerView® Gen 3 Automation are perfect for hands-free louver tilt operation through a remote or mobile device, especially for hard-to-reach windows.

- Tilt louver sections across two panels with a single motor and coupler.
- Available with traditional front tilt or HiddenTilt™ operating system.
- Panels with a divider rail or split tilt allow for independent operation of louver sections.
- Exclusive override feature allows manual louver operation without engaging the motor. The automated function must be used for tight louver closure.

Applications

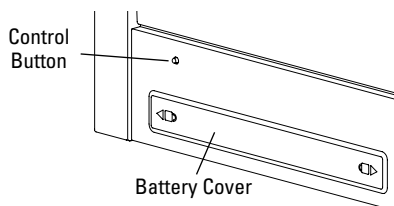
- Fits rectangular window openings:
 - Standard Hinged
 - Bypass Track Configurations
 - Café
 - Double-Hung
- Available with French door cut-outs.
- Available with 2½", 3½", and 4½" louvers
- Available with 4-sided, 3-Sided, 2-sided, No Frame
- Available with 4" top and bottom rails only
- Available with up to one divider rail or one split tilt (3½" and 4½" louvers only) per panel

Size Standards

See Size Standards™.

Features

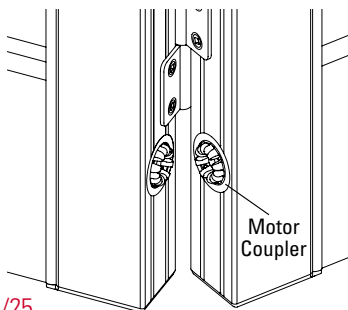
- The first motor and battery wand will always be located in the bottom rail.
- Panels with a divider rail or split tilt have the second motor and battery wand located in the top rail.
- For Double-Hung shutters, the motor and battery wand will be located in the top rail of the upper panels and the bottom rail of the lower panels.
- A color-coordinated battery cover is provided with every order, and is located on the back side of the rail.



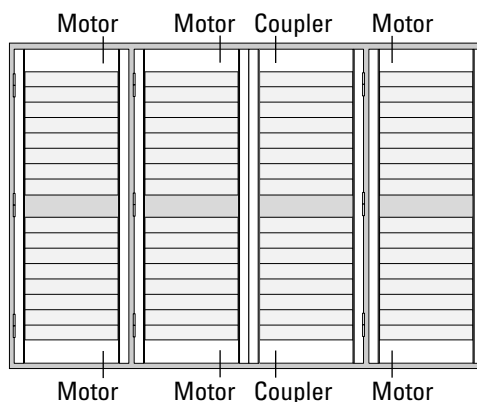
- Motor couplers are only used to connect louver sections horizontally across two panels (Ex: LL or 2L2R) with one motor, and come standard on those configurations. If independent operation is desired, a motor for each louver section can be ordered.

Notes

- Motor couplers are not recommended for 3D applications.



- A shutter panel with one divider rail or split tilt will have individual motors for the top and bottom louver sections.



- Available with 12V battery wand and Rechargeable Battery Wand only.
- PowerView Gen 3 accessories available. See Pricing – Surcharges & Accessories™.

Exclusions

- Bi-Fold Track Systems
- Double-Hung with Divider Rails
- Specialty Shapes
- 2" Top and Bottom Rails
- SoftClose™ louvers with Quick Align™
- Split tilt with 2½" louver
- Magnets for panel closure
- PowerView Gen 3 Accessories:
 - Satellite Battery Pack
 - 18V Battery Wand
 - C-size Satellite Battery Wand
 - Daisy-Chain Cable
 - 18V DC Power Supply
 - 16-Shade DC Power Supply

Additional Information

- PowerView Gen 3 Automation is louver tilt only. Manual operation is required to open and close the shutter panels.
- When an automated shutter is ordered, the entire unit must be automated. It is not possible to choose which panels or louver sections within a unit are automated, and which are not.
- Variation in louver rotation alignment and tilt speeds may occur between louver sections.
- All shutters with PowerView Gen 3 Automation require access to back of the panel for the control button and battery replacement.
- Palm Beach Shutters with PowerView Gen 3 Automation should not be installed in areas where direct contact with water may occur.
- For more information regarding PowerView Gen 3 Automation design and operation, see the PowerView Gen 3 Automation section of this Reference Guide.

Mounting Requirements

See Standard Hinged Panels™.

Frame Cut-Outs

PALM BEACH™ POLYSATIN™ SHUTTERS

Frame Cut-Outs

Frame cut-outs are used to accommodate obstructions in the window such as window cranks, tile, and baseboards.

There are four different types of frame cut-outs available.

- Type A — Light Stop
- Type B — Light Stop and Back of Frame
- Tile — Flange Removal
- Baseboard — Back of Frame and/or Back of Frame and Light Stop

All frame cut-outs have a surcharge (see Pricing – Surcharges & Accessories™).

Up to three cut-outs can be made per frame side. Use the Palm Beach™ Frame Cut-Out Order Form to record required measurements.

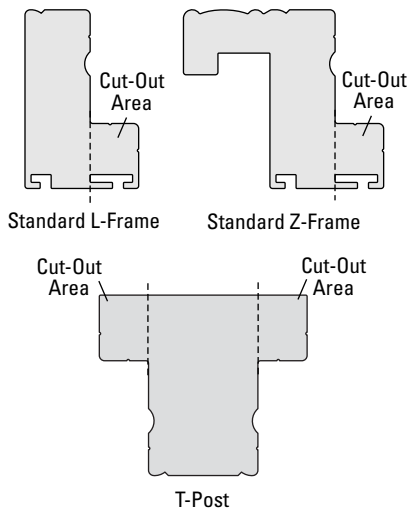
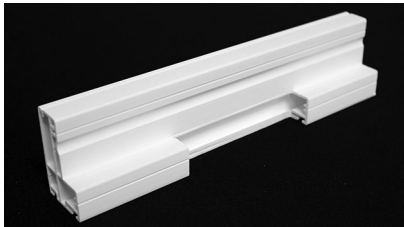
Type A — Light Stop

This cut-out is typically used when there is an obstruction in the window, possibly a window crank. The light stop is completely removed to the body of the frame.

Type A cut-outs are available on:

- All frames
- Frames ordered with build-out
- T-Posts

Cut-outs on T-Posts must be a minimum of 2" from either end of the T-Post.



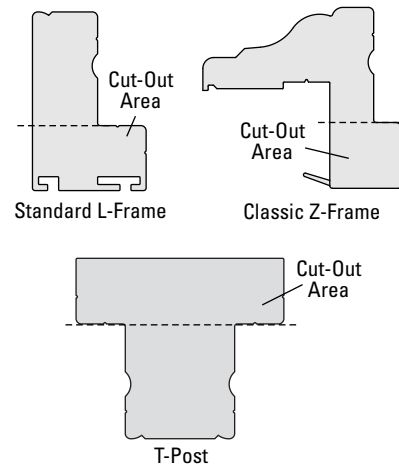
Type B — Light Stop to Back of Frame

This cut-out removes the back side of frame and the thickness of the light stop.

Type B cut-outs are available on:

- All frames except Deluxe Casing Frame
- Frames ordered with build-out
- T-Posts

Cut-outs on T-Posts must be a minimum of 2" from either end of the T-Post.

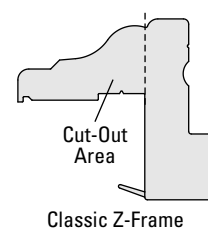


Tile — Flange Removal

This type of cut-out is available on Z frames and removes the entire frame flange.

Tile cut-outs are available on:

- Standard Z-Frame (Z21)
- Decorative Z-Frame (Z22)
- Colonial Z-Frame (Z23)
- Classic Z-Frame (Z24)
- Deluxe Z-Frame (Z25)
- Modern Z-Frame (Z26)



Frame Cut-Outs

PALM BEACH™ POLYSATIN™ SHUTTERS

Baseboard — Back of Frame and/or Back of Frame and Light Stop

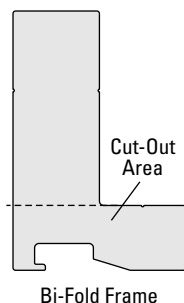
This cut-out removes the back side of frame up to the thickness of the light stop and is only available on 3-sided frame applications.

Baseboard cut-outs are available on:

- All outside mount frames
- Frames ordered with build-out

Notes

- Only square cuts available.
- Baseboard cut-outs can be cut at a specified depth to accompany most baseboard types.
- On Bypass and Bi-Fold Frames the maximum depth of cut-out is $\frac{3}{4}$ ".



Baseboard Cut-Out Depth:

Measure the projection of the baseboard plus $\frac{1}{8}$ ", up to a maximum of $\frac{3}{4}$ ".

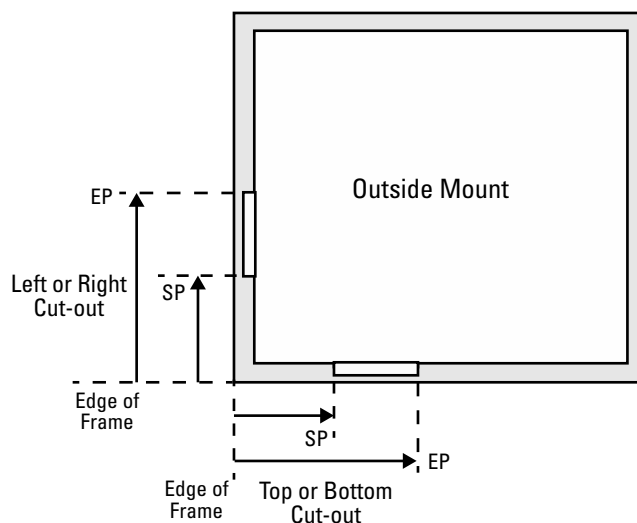
Measuring Instructions

Determine where your cut-out is located: top, left, right, or bottom of frame.

- SP: Starting point of cut-out
- EP: End point of cut-out

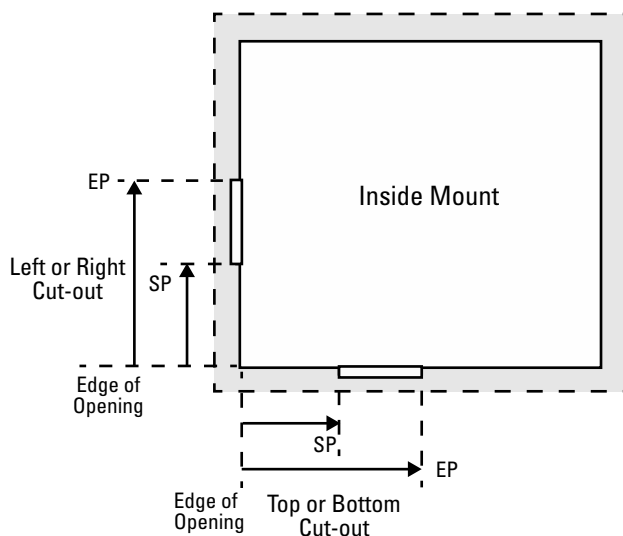
Outside Mount (OM)

- Top or bottom cut-out
 - SP: Measure from the left edge of the frame to the starting point of the cut-out and record.
 - EP: Measure from the left edge of the frame to the end point of the cut-out and record.
- Left or right cut-out
 - SP: Measure from the bottom edge of the frame to the starting point of the cut-out and record.
 - EP: Measure from the bottom edge of the frame to the end point of the cut-out and record.



Inside Mount (IM)

- Top or bottom cut-out
 - SP: Measure from the left edge of the opening to the starting point of the cut-out and record.
 - EP: Measure from the left edge of the opening to the end point of the cut-out and record.
- Left or right cut-out
 - SP: Measure from the bottom edge of the opening to the starting point of the cut-out and record.
 - EP: Measure from the bottom edge of the opening to the end point of the cut-out and record.



Specialty Shapes

PALM BEACH™ POLYSATIN™ SHUTTERS

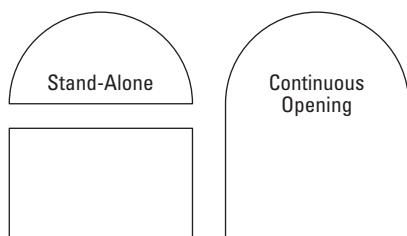
The Basics

Unframed and framed specialty shapes are available in ten shapes.

- Perfect arch (A1)
- Quarter circle (A2L/A2R)
- Extended eyebrow (A4)
- Extended arch (A4)
- Eyebrow (A5)
- Angle (A7)
- Extended angle (A7)
- Pentagon (A8)
- Hexagon (T3)
- Octagon (T4)

Specialty shapes should be ordered as framed whenever possible to avoid light gaps, simplify installation, and provide a better fit.

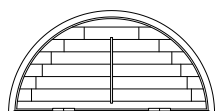
Both framed and unframed specialty shapes may be ordered stand-alone or combined with standard hinged panels below in a continuous opening.



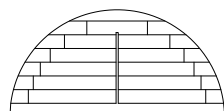
Notes

- T3 and T4 specialty shapes require a template.
- Irregular shaped openings require a template. See the specialty order form for more details.
- Rubber flex is not available with the Standard Z-Frame, Standard L-Frame, or Deluxe Casing Sill/Extended L-Frame on specialty shape applications.
- Framed specialty shapes must be ordered as four-sided frame.

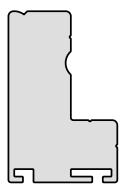
Frame Options



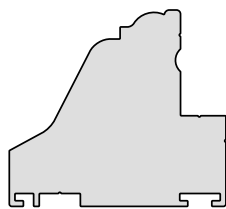
Framed Specialty Shape with Horizontal Louvers



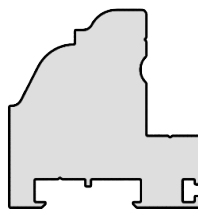
Unframed Specialty Shape with Horizontal Louvers



Standard L-Frame (L21)



Deluxe Casing Frame (C21)



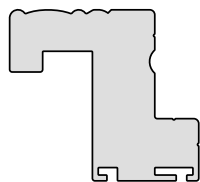
Standard Casing Frame (C22)



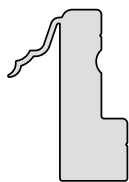
Deluxe Casing Sill/Extended L-Frame (S21)



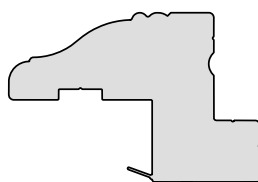
Standard Casing Sill/Designer L-Frame (S27)



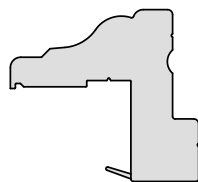
Standard Z-Frame (Z21)



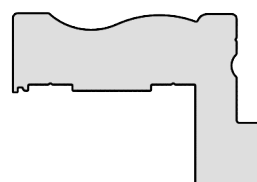
Decorative Z-Frame (Z22)



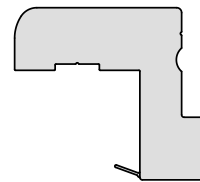
Colonial Z-Frame (Z23)



Classic Z-Frame (Z24)



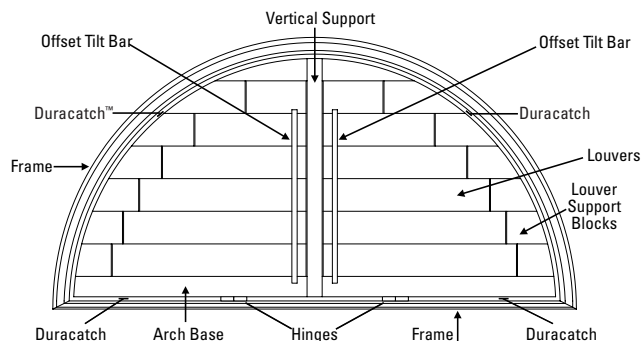
Deluxe Z-Frame (Z25)



Modern Z-Frame (Z26)

Specialty Shapes Terminology

Palm Beach™ specialty shapes have been uniquely designed to incorporate horizontal louvers which provide a consistent look with the shutters below. Vertical supports divide larger arches into multiple sections which can also match the shutter below. By using the same frames, louvers, and tilt bar options as our traditional shutters, the result is a cohesive look.



Louver Options

Louvers operate freely in both directions.

- 2 1/2" 
- 3 1/2" 

Notes

- 4 1/2" louvers are not available.

Build-Out

To gain additional clearance for louver operation on outside mount applications, build-out may be ordered for framed specialty shapes. See Pricing – Surcharges & Accessories™ for build-out surcharges. Only one 1/2" build-out is available with the L-Frame, Deluxe Casing Frame, Standard Casing Frame, Deluxe Casing Sill/Extended L-Frame, and Standard Casing Sill/Decorative L-Frame.

Specialty Shapes

PALM BEACH™ POLYSATIN™ SHUTTERS

Pricing

Specialty pricing is based on the widest ordered width of the specialty.

Measuring and Ordering

All necessary measurements for specialty shapes are shown on the specialty order form. Use the order form for the unframed or framed shape, and its application (stand-alone or continuous opening).

Templates

Submitted templates will be reviewed before fabrication and compared to ordered dimensions for verification. A shape will be built as a single radius if the template dimensions are within $\frac{1}{8}$ " of a perfect radius. Contact Customer Service for further information on when a template is required.

Specialty Shapes

PALM BEACH™ POLYSATIN™ SHUTTERS

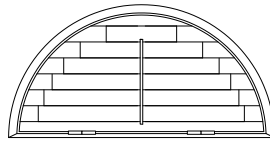
Ordering Considerations

Tilt Bar Options

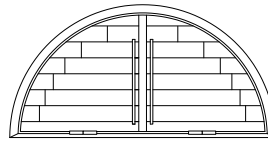
- The size and configuration of the shutter will, in many cases, determine the tilt bar mechanism.
- Front tilt available for any arch, as either front center or front offset.
- TruView™ rear tilt bar — available only if the specialty has a full length straight side or a vertical support.
- Front tilt/rear tilt combo — available when two vertical supports are specified. The center section includes tilt bar (front center) and the outer sections include rear tilt bar (back side against the vertical support).
- Specialty shapes are not available with HiddenTilt™, SoftClose louvers, or PowerView® Gen 3 Automation.

Example: A perfect arch with no vertical support would have a tilt bar (either front or rear); a perfect arch with one vertical support could have either TruView rear tilt bars on each section or an offset tilt bar.

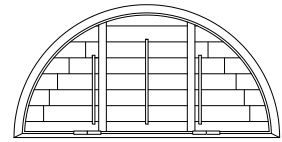
Front Tilt Options



Perfect Arch with Tilt Bar
(Front Center)
No Vertical Support

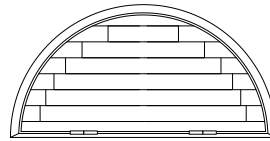


Perfect Arch with Tilt Bars
(Offset)
One Vertical Support

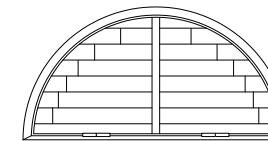


Perfect Arch with Tilt Bars
Two Vertical Supports

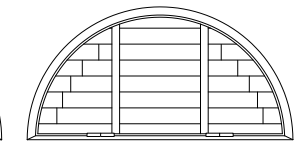
Rear Tilt Options



Perfect Arch with Tilt Bar
(Back Center)
No Vertical Support



Perfect Arch with
TruView Rear Tilt Bars
One Vertical Support



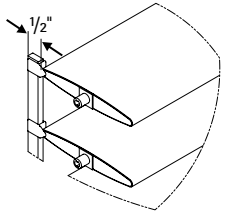
Perfect Arch with
TruView Rear Tilt Bars
Two Vertical Supports

TruView™ Rear Tilt

The TruView™ rear tilt bar option is available **only for specialty shapes**. It is attached to the ends of the louvers with a connector adjacent to a full-length straight side or vertical support.

Note

- For Rear tilt with all frame types, allow an additional $\frac{3}{4}$ " for clearance. This includes the $\frac{1}{4}$ " standard recommended clearance, and $\frac{1}{2}$ " clearance for the rear tilt bar.

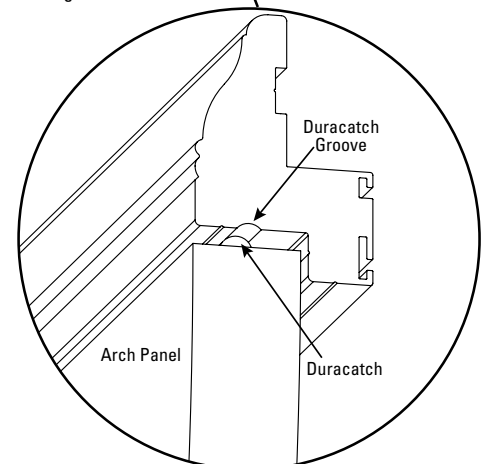
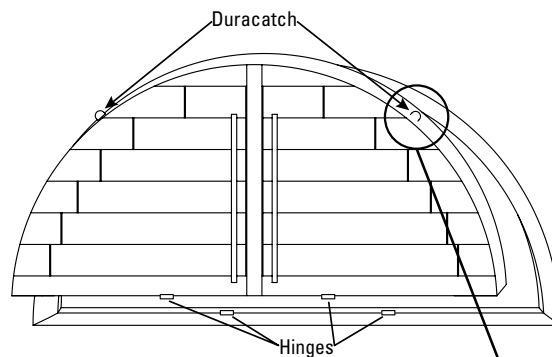


Arch Panel Attachment

- Once the frame is installed, the specialty panel can be snapped into place.
- Hinges come installed to the bottom of all specialty shapes that have a straight bottom. Duracatch™ — spring loaded plunger locks into a groove designed into all of the frames. A single magnet at the top will be added to ensure the panel is secure.
- Unframed inside mounts are not recommended due to light gaps that occur from imperfect openings.

Operation Notes

- Each section of an arch includes its own set of louvers and a tilt bar, and operates independently (front tilt bar or TruView rear tilt bar).



Specialty Shapes

PALM BEACH™ POLYSATIN™ SHUTTERS

Vertical Supports

The Basics

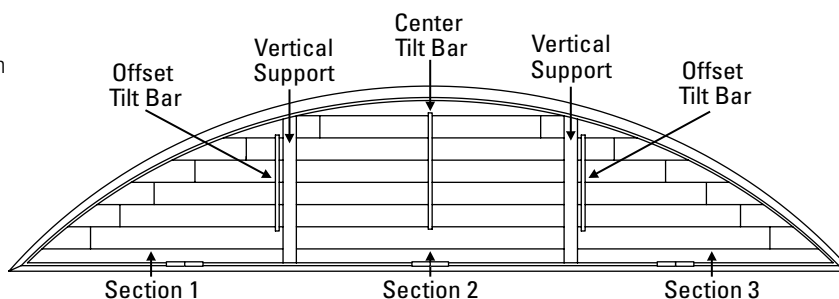
The vertical support is the vertical component of the arch that divides the specialty shape into multiple sections and provides strength and rigidity. Smaller specialty shapes (less than 30") do not require vertical supports but may be ordered with them. Vertical supports are required based on width. The specifications are listed below.

Vertical Support Requirements

- 0 vertical supports: 0" – 30"
- 1 vertical support: 30¹/₈" – 60"
- 2 vertical supports: 60¹/₈" – 72"
- 3 vertical supports: 72¹/₈" – 108"

Notes

- Maximum distance between vertical supports is 30".



Vertical Support Considerations

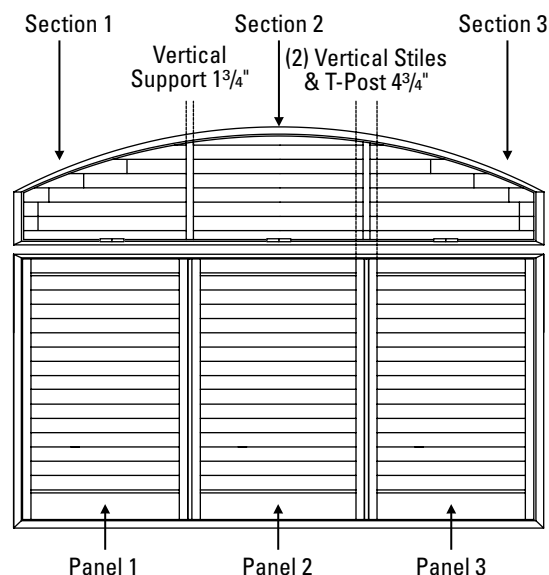
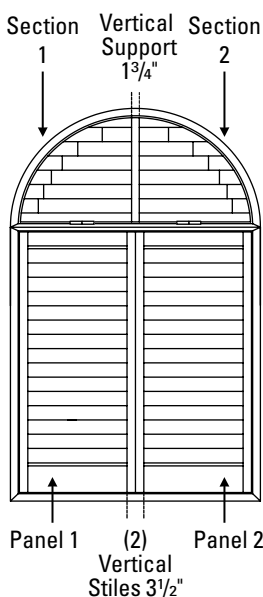
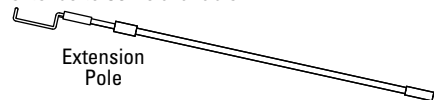
When ordering larger specialties that require vertical supports or when adding vertical supports to smaller specialties, order the shutter below and the arch above with the same number of panels and sections. Specify the vertical support locations. The vertical support in the arch is a different width than the stile and T-Posts in the panels below.

Vertical Component Widths

- Vertical support widths = 1³/₄"
- 2 vertical stile widths = 3¹/₂"
- 2 vertical stile widths + T-Post = 4³/₄"

Extension Pole

For hard to reach louvers, an extension pole that extends to 96" is available.



Creating Vertical Alignment Between Panels and Specialties

The illustrations reflect a two-panel shutter with a two-section arch above, and a three-panel shutter with a three-section arch above. They are designed so that the vertical supports divide larger arches into multiple sections and align with the vertical component in the shutter below.

Additional Information

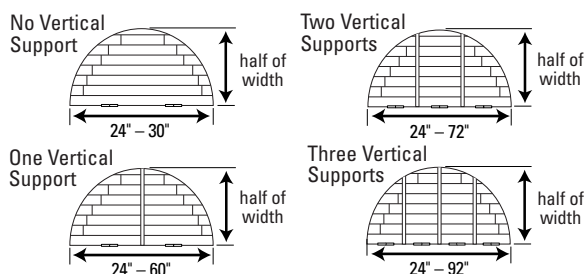
- Standard deductions are taken from total ordered width and height for all frame types. The height deduction is taken for both the specialty shape and, if applicable, the shutter below it. See Standard Hinged Panels™ for standard deductions by frame type.
- To ensure that the width of the specialty shape aligns with the width of the standard shutter below, both units must be ordered at the same time, on the same order. If ordered separately, the units may not align correctly.
- Note on specialty shapes order form if vertical supports are desired and if they should align with the shutter below.
- In order to achieve a consistent look, order the shutter below and the arch above with the same number of panels and sections.
- Perfect alignment of the vertical supports may not always be possible based on panel width.

Specialty Shapes

PALM BEACH™ POLYSATIN™ SHUTTERS

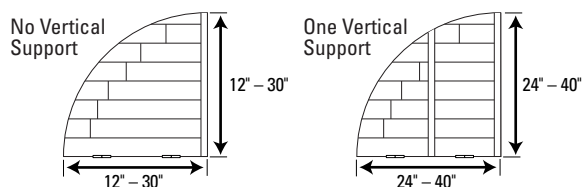
Specifications

Perfect Arch (A1)



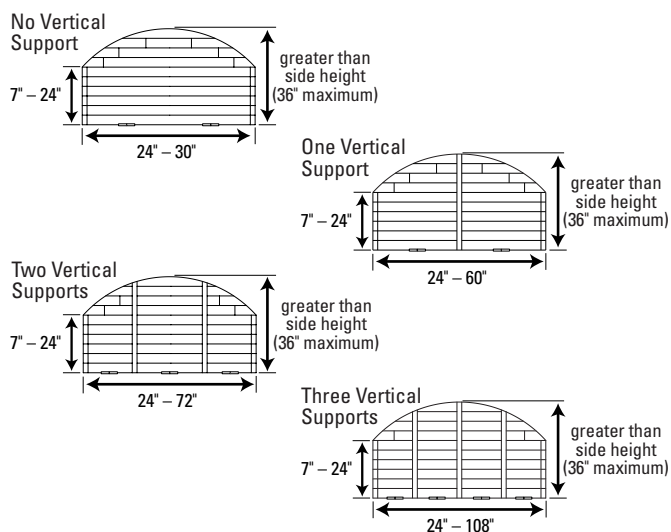
- The height of a Perfect Arch measures one-half the width. If the height measures more than half the width, specify an Extended Arch. If the height measures less than half the width, specify an Eyebrow.

Quarter Circle (A2L/A2R)

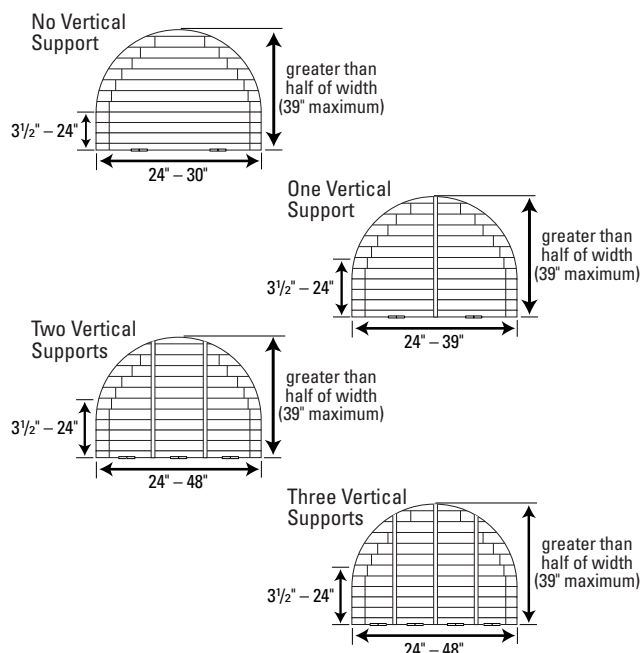


- Height must equal width.
- Order as left (A2L) or right (A2R) quarter circle.

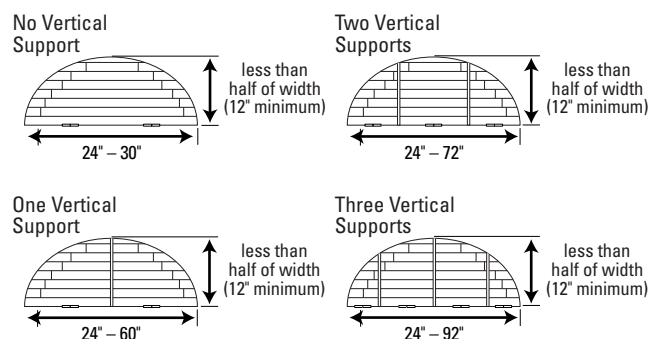
Extended Eyebrow (A4)



Extended Arch (A4)

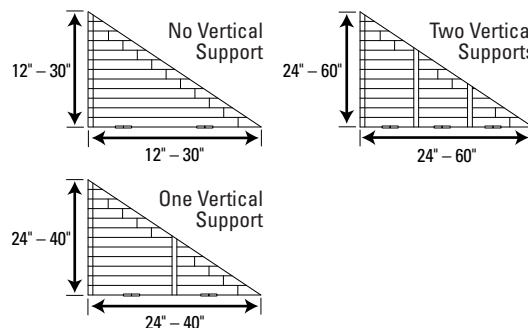


Eyebrow (A5)



- Height must be less than half the width.

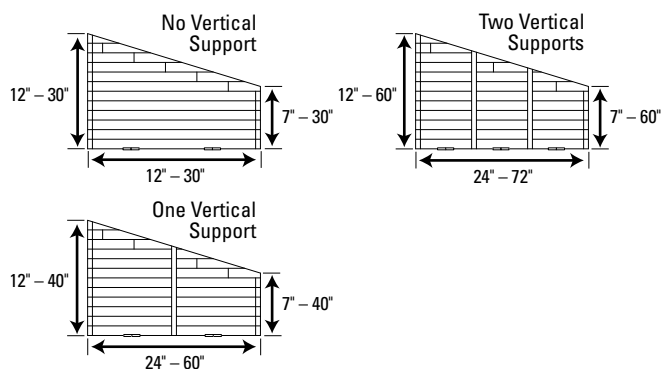
Angle (A7)



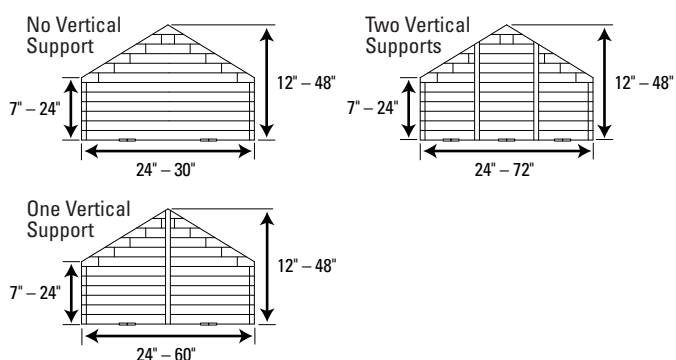
Specialty Shapes — Specifications

PALM BEACH™ POLYSATIN™ SHUTTERS

Extended Angle (A7)

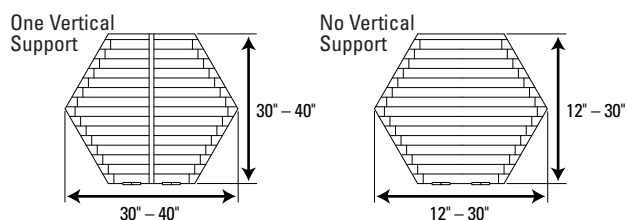


Pentagon (A8)



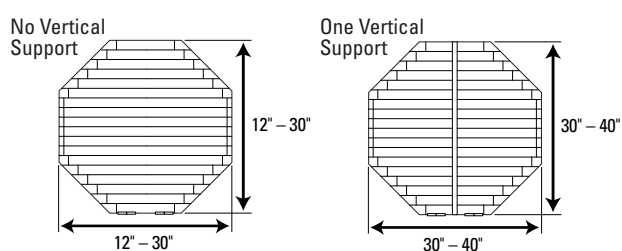
- Sides must be vertical.
- Available as symmetrical only.
- Peak cannot be offset; it must be in the center of the shape.

Hexagon (T3)



- Template required.
- Shape will be built even on all sides to fit within the template and may potentially result in uneven gaps.

Octagon (T4)



- Template required.
- Shape will be built even on all sides to fit within the template and may potentially result in uneven gaps.