



**AllView PLUS**  
PolyResin Shutters

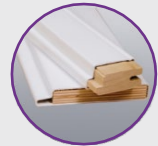
**ShutterSMART**  
PolyClad Wood Shutters

**Miramonte**  
Painted Wood Shutters

**Miramonte Premier**  
Stained Wood Shutters



Furniture Quality  
Triple-Dowel Joints



Polyclad Components  
Resemble Milled Wood



Aluminum  
Reinforced Louvers



Twist Lock  
Tilt Rod Design



Maintenance Free  
Polyclad Hardwood  
Construction

**Window Size**  
**Reference & Price Guide**  
**2024**



## THE INTELLIGENT CHOICE

### **Award Winning Polyclad Hardwood Shutter Now Featuring SolidCore Louvers**

ShutterSMART's Award Winning Polyclad Hard Wood construction delivers the only shutter with a durable and low maintenance polyresin clad over a solid wood core. ThermaCore cellular insulating louvers feature Twist lock hooks and SolidCore traditional stapled Louvers. ShutterSMART's hardwood construction and DuraTex poly surface delivers the strength and look of a classic wood shutter giving you the edge to Separate yourself from your competition and sell more. Thermacore also offers an Energy Guard feature.

### **Choices of Polyclad Hardwood, PolyResin, Painted Wood and Stained Wood Shutters with Arches and Custom Color Matches**

ShutterSMART's North American Factory provides you with a product line to meet all your customers shutter needs. Our Products include AllView PLUS PolyResin Shutters, ShutterSMART ThermaCore and SolidCore Polyclad Wood Shutters, Miramonte Painted Wood Shutters, Miramonte Premier Stain Wood Shutters and Arches that match every one of our shutter styles.

### **Quick Ship**

ShutterSMART's Polyclad Hardwood ThermaCore and AllView PLUS PolyResin Shutters ship in 10\* working days, and ShutterSMART SolidCore Shutters and Miramonte Painted Wood Shutters ship in 15 working days. Miramonte Stained wood shutters ship in 20 working days. Every order is confirmed with a ready date within 24 hours of receipt so you know when your shutters will ship. (\*all lead times are estimates and may vary).

### **Fast Install Features with Pre-Framed Shutters & Pre-Attached Catches**

For Fast installation, all our shutters come pre-hinged from the factory ready to be installed. We offer a Fast Install option where we pre attach the catches and predrill the frames for ***fast installation***. Installation is easy and can be done in less than 10 minutes an opening.

### **SmartView and SmartTilt Tilter System**

ShutterSMART's latest addition is the SmartTilt invisible tilter feature that delivers a fully hidden tilt bar in ShutterSMART and SolidCore shutters. We also offer our traditional SmartView tilter feature designed to match the AllViewPLUS Rear Full View hidden tilter system with options like wide panels, arch tops and specialty shapes offered in ShutterSMART.

### **Service Commitment**

ShutterSMART's North American factory is designed so that we can respond to your needs quickly so you can service your customers. Common dealer challenges like mismeasures, damages, and design issues can quickly be handled and resolved. We can ship out any parts you need or remake complete shutters right from our local factory. If a repair is needed, you can send the shutters back. We can fix it and turn it around within days not months. That's our service commitment to you so you can focus on selling more shutters.

### **Marketing Programs, Comprehensive Selling Tools, and an Online Business System**

We've put together high-powered marketing and selling tools so you can spend your time closing sales. We offer consumer advertising programs, sample bags, videos, catalogs, and the most comprehensive selling tools in the industry. Plus, we offer complete online ordering that makes placing orders and managing your shutter business simple. Please visit our website, [www.shuttersmart.com](http://www.shuttersmart.com).



Dear Valued Customer,

Thank you for choosing ShutterSMART. This manual was designed to help you get started selling shutters right away. Our North American Factory is designed to provide you high quality shutters quickly and affordable prices. We offer a complete line of Poly and Wood Shutters designed to meet all your customers' needs.

The manual is divided into 8 sections: Product Summary, Ordering, Pricing, Measuring, Designing Shutters, Specifications & Limitations, Arches and Installations. Please take some time to review these sections and then use the manual as a desktop reference to handle any shutter situations that may arise. If you have any unanswered shutter questions, just call us at **800-737-4569**, fax us at 323-727-6891 or email us at [dealersupport@uspolymersinc.com](mailto:dealersupport@uspolymersinc.com). Our shutter experts are on standby waiting to answer all your questions.

You can also visit our website at [www.shuttersmart.com](http://www.shuttersmart.com). Login to the dealer section and you will find our online business system to place and track orders online, the most recent versions of our shutter manuals, downloadable order forms, installation training videos and much more. Ask your sales or customer service representative for your username and password to log in.

For new customers, we provide a FREE online training course. The training course is made of seven three-minute videos and will teach you what you need to know to become comfortable with shutters.

Thank you for choosing ShutterSMART. We're excited to have you as a ShutterSMART dealer.

Sincerely,

*Viken Ohanesian*

Viken Ohanesian  
President  
ShutterSMART  
A division of US Polymers Inc

**Visit [www.Shuttersmart.com](http://www.Shuttersmart.com) and login into the Dealer Section for  
Our Online Business System, Our Online Training Seminars and  
Sales and Marketing Resources!**



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## PRODUCT SUMMARY

### Shutter Terminology

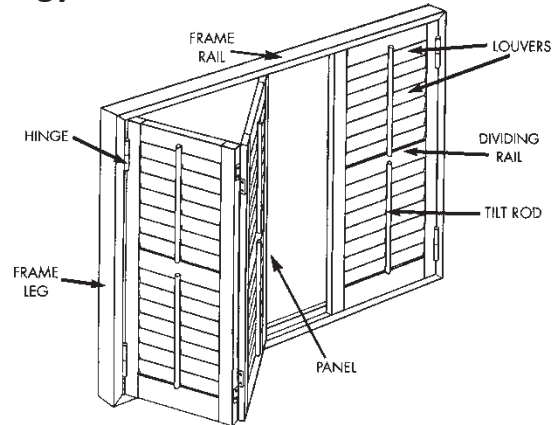
To help design shutters properly, let's first learn some shutter basics.

#### Panels

Louvers  
Rails (top, bottom and dividing)  
Tilt Rod  
Hinges

#### Frames

Vertical frame legs  
Horizontal frame rails



### Shutter Products

**ShutterSMART Polyclad Hardwood Shutters** are built with a solid hardwood core clad with a poly surface. The solid wood core delivers superior panel strength while the polyclad surface is durable, easy to maintain and eco-friendly. The proprietary DuraTEX finish captures the look and feel of a classic painted wood shutter, making ShutterSMART the most intelligent choice in Shutters today. The louvers are available in the **SolidCore** design or the insulation **ThermaCore** design. Energy Guard is available with Thermacore.

**AllView PLUS Polyresin Shutters** are built with Polyresin using our proprietary DuraTEX™ finish that gives the soft look and feel of painted wood. The Polyresin surface is easy to clean, low maintenance and much more durable than wood. The Poly construction has an open core reinforced with solid corner joint blocks, featuring superior insulation properties that provide big energy savings!

**MiraMonte Painted Wood Shutters** are hand built with a hardwood core then painted in an array of colors or custom matched with a baked-on finishing process. MiraMonte brings you a high-quality wood shutter built with old world craftsmanship.

**MiraMonte Premier Stained Wood Shutters** are offered in custom stains matched to any color you choose. The Premier line brings you a world of high-end custom colors, stains, and wood shutter craftsmanship.



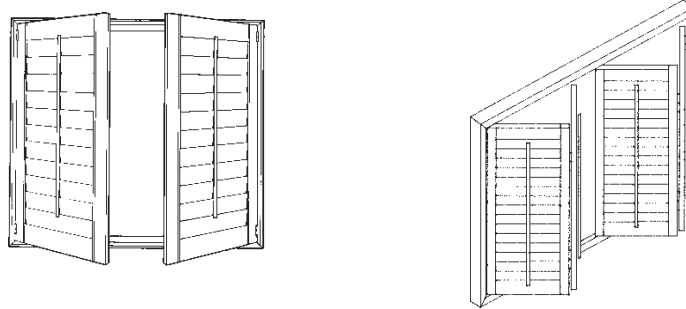
## Features and Options

|                                     | Poly Shutters                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                 | Wood Shutters                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                          |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     | AllView PLUS<br>Poly Resin                                                                                                                                                                        | ShutterSMART<br>Polyclad Hardwood                                                                                                                                                                                                                                               | MiraMonte<br>Painted Wood                                                                                                                                                                                                                                                                                                                  | MiraMonte Premier<br>Stained Wood                                                                                                                                                                        |
| <b>Construction and Key Feature</b> | Durable and Low Maintenance PolyResin Materials featuring our DuraTex Finish that Captures the look and feel of Real Wood.                                                                        | Hardwood Core Clad in a durable polyresin. Polyclad Hardwood is the Most Durable and Maintenance Free Shutters that Captures the Look and Feel of Real Wood Shutters DuraTex Finish. Energy Guard available.                                                                    | Hardwood Shutters painted in an array of colors or custom matched with a baked-on finishing process.                                                                                                                                                                                                                                       | 100% North American Basswood Shutters. Stained in standard or Custom match Stains and built with Old World Craftsmanship.                                                                                |
| <b>Louver Sizes</b>                 | 3", 4" ThermaCore                                                                                                                                                                                 | 3", 4" ThermaCore<br>3 ½", 4 ½" SolidCore                                                                                                                                                                                                                                       | 2 ½", 3 ½", 4 ½"                                                                                                                                                                                                                                                                                                                           | 2 ½", 3 ½", 4 ½"                                                                                                                                                                                         |
| <b>Colors</b>                       | White, Swiss Coffee                                                                                                                                                                               | ThermaCore & SolidCore Colors -White, Swiss Coffee, Off White*, Pearl*, Eider White*, Agreeable Gray*<br><br>*Specialty Colors take 1 additional week + Surcharge.                                                                                                              | White, Bright White, High Reflective White, Eider White, Extra White, Pure White, Antique White, Swiss Coffee, Off White, Pearl, Vanilla Bean, Greek Villa, Alabaster, Agreeable Gray, Morris Room Gray, Mindful Gray, Evergreen Fog, Folkstone. Primed and<br>*Custom Match Colors take 1 Addit Week + Surcharge.<br>(Min order 150 Sq.Ft | Honey Maple, Walnut, Golden Oak, Teak, Pecan, Mahogany, Natural, Rustic Gray, Brazilnut, New Ebony and Gray Birch.<br><br>*Custom Match Stains take Additional 1 Week + Surcharge (Min order 150 Sq.Ft.) |
| <b>Louver Shapes</b>                | Elliptical                                                                                                                                                                                        | Elliptical                                                                                                                                                                                                                                                                      | Elliptical                                                                                                                                                                                                                                                                                                                                 | Elliptical                                                                                                                                                                                               |
| <b>Hinges</b>                       | Powder coated colors: White, Off White, Brass Plated, Stainless Steel                                                                                                                             | Powder coated colors: White, Off White, Almond, Nickel Satin, Antique Brass, Black, Brass Plated, Oil Rubbed Bronze, Stainless Steel                                                                                                                                            | Powder coated colors: White, Off White, Almond, Nickel Satin, Antique Brass, Oil Rubbed Bronze, Black, Brass Plated, Stainless Steel                                                                                                                                                                                                       | Powder coated colors: Brass Plated, Antique Brass, Oil Rubbed Bronze, Black, Brass Plated, Stainless Steel, Nickel Satin                                                                                 |
| <b>Shutter Types</b>                | Standard Folding, Bypass Slider, Bypass Slider w/Bottom Track. T-Post, French Door, Track Shutter.                                                                                                | Standard Folding, Bypass Slider, Bypass Slider w/Bottom Track. Dbl. Bypass, Bifold Track, T-Post, Double Hung, French Door, FD Cutout, Sunburst Arch, Arch Top Shutters                                                                                                         | Standard Folding, Bypass Slider, Bypass Slider w/Bottom Track. Dbl. Bypass, Bifold Track, T-Post, Double Hung, French Door, FD Cutout, Sunburst Arch, Arch Top Shutters.                                                                                                                                                                   | Standard Folding, Bypass Slider, Bypass Slider w/Bottom Track. Dbl. Bypass, Bifold Track, T-Post, Double Hung, French Door, FD Cutout, Arch Top Shutters.                                                |
| <b>Frame Types</b>                  | Standard L, Flat ST, Flat Z, Designer, Z, Trim Z, Elegance, Hanging Strip, Slimline, Extended L, Extended Frame                                                                                   | Standard L, Flat ST, Flat Z, Designer, Z, Trim Z, Elegance, Hanging Strip, Slimline, Extended L, Extended, NF- No Frame                                                                                                                                                         | Standard L, Flat ST, Flat Z, Designer, Z, Deco Z, Elegance, Hanging Strip, Slimline, Extended L, Extended, NF- No Frame                                                                                                                                                                                                                    | Standard L, Flat ST, Flat Z, Designer, Z, Deco Z, Elegance, Hanging Strip, Slimline, Extended<br>NF- No Frame                                                                                            |
| <b>Maximums</b>                     | 1 panel 34" + Frame<br><br>2 panel LR 68" + Frame<br>2L or 2R 48" + Frame<br>2L2R 96" + Frame<br>Height: Single Panel 100" + Frame<br>Height: Bifold Panel 84" + Frame.<br><b>*Min Height 16"</b> | <b>Thermacore</b><br>1 panel 36" + Frame<br>2 panel LR 72" + Frame<br>2L or 2R 52" + Frame<br>2L2R 104" + Frame<br><b>SolidCore</b><br>1 panel 34" + Frame<br>2 panel 68" + Frame<br>2L or 2R 48" + Frame<br>2L2R 96" + Frame<br>Height: 114" + Frame<br><b>*Min Height 16"</b> | 1 panel 36" + Frame<br><br>2 panel LR 72" + Frame<br><br>2L or 2R 52" + Frame<br><br>2L2R 104" + Frame<br>Height: 114" + Frame<br><b>*Min Height 16"</b>                                                                                                                                                                                   | 1 panel 36" + Frame<br><br>2 panel LR 72" + Frame<br><br>2L or 2R 52" + Frame<br>2L2R 104" + Frame<br>Height: 114" + Frame<br><b>*Min Height 16"</b>                                                     |

## Basic Shutters

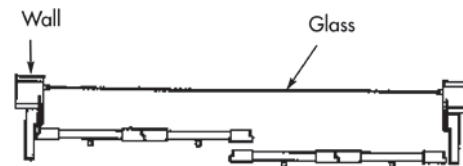
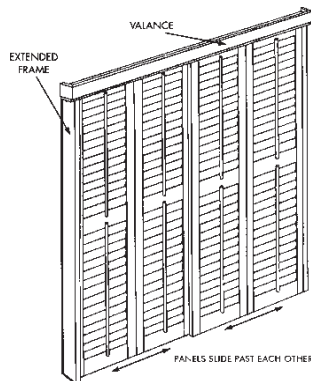
### Standard Folding Shutters

Standard Folding Shutters consist of one or more panels hinged on a frame. These can be single panels or bi fold panels hinged to each other. This is the most common type of shutter available. For an extensive list of applications covered by Standard folding shutters, refer to the section on selecting shutter types in the design section of this manual.



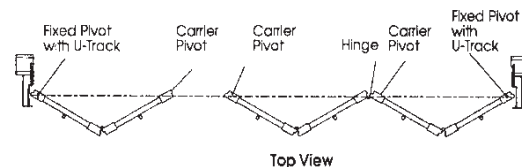
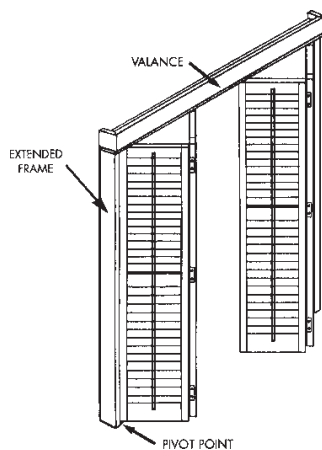
### Bypass Sliding Shutters

Bypass sliding shutters are ideal for sliding glass doors or windows where space in front of the shutter is not enough for the panels to swing outward. The panels slide on a track system similar to closet mirror doors.



### Bi Fold Sliding Shutters

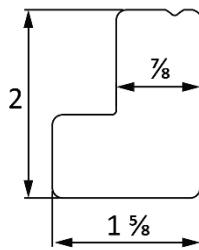
Bi Fold shutters are used for sliding glass doors. The panels next to the vertical frame legs are mounted on pivots while additional panels are hinged and guided by carriers running in an overhead track. The track gives additional support for shutters with large panels. Bi Fold shutters must have even number panels on any side.



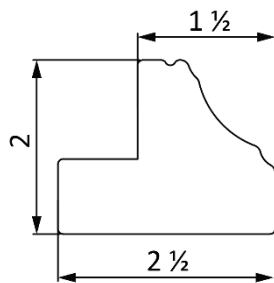
\*See the designing shutters section for more design options.

## ShutterSMART & AllView PLUS Frames

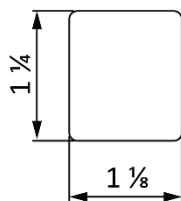
### Outside Mount Frames



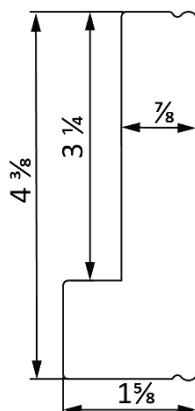
SS ST FRAME



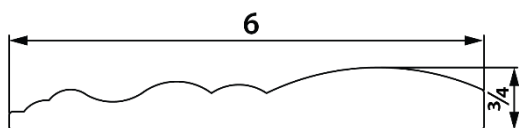
SS DS FRAME



SS HANGING STRIP

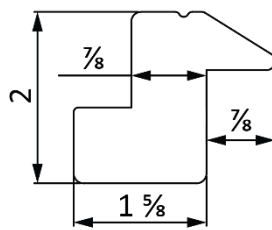


SS EX FRAME

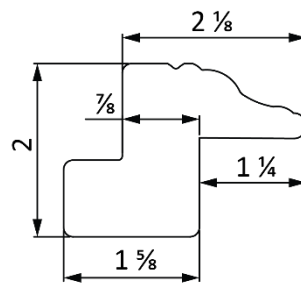


DECO VALANCE

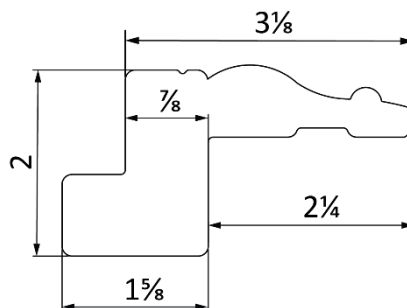
### Inside Mount Frames



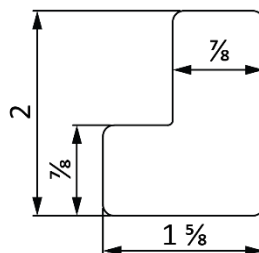
SS Z FRAME



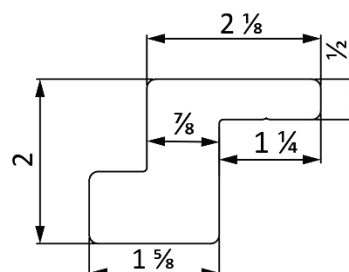
SS TRIM FRAME



SS EL FRAME

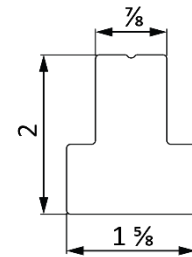


SS FLAT ST FRAME

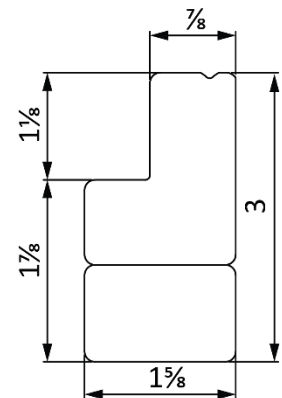


SS FLAT Z FRAME

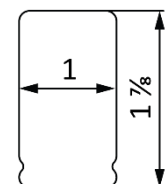
### Other Frames



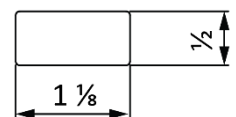
SS T POST



SS ST EXTENDED FRAME



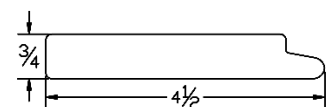
SS SL FRAME



SS LIGHT STOP



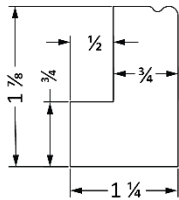
SS FRAME SPACER



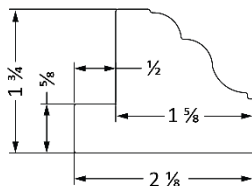
REGULAR VALANCE

## MiraMonte & MiraMonte Premier Frames

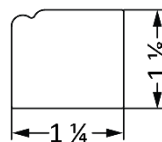
### Outside Mount Frames



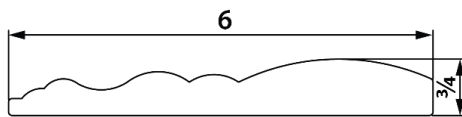
MM ST FRAME



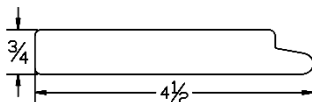
MM DS FRAME



MM HANGING STRIP

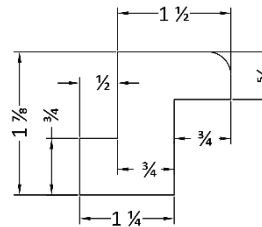


DECO VALANCE

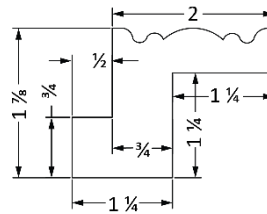


REGULAR VALANCE

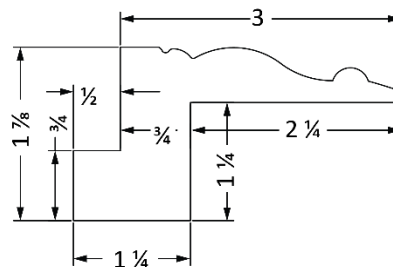
### Inside Mount Frames



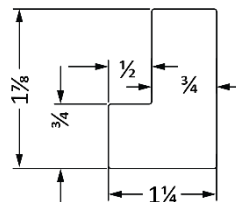
MM Z FRAME



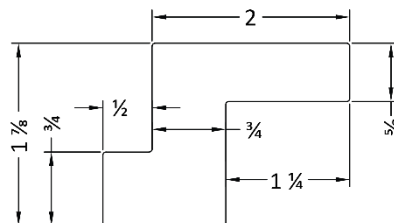
MM DZ FRAME



MM EL FRAME

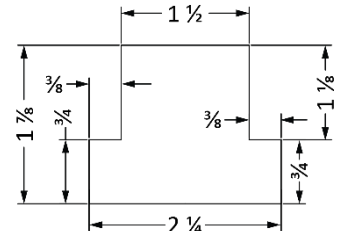


MM FLAT ST FRAME

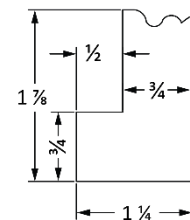


MM FLAT Z FRAME

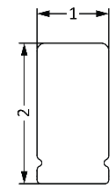
### Other Frames



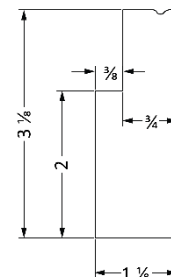
MM T POST



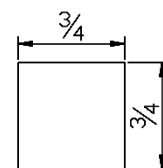
MM DECO SILL FRAME



MM SL FRAME



MM SX FRAME



MM LIGHT STOP



# ORDERING

## Online Ordering

Orders can now be placed online at [www.shuttersmart.com](http://www.shuttersmart.com) in the Dealer Resource section. There are many benefits to placing orders online including immediate cut sheet verification to ensure that shutters can be built as requested, immediate order submission cutting down production lead times and immediate pricing confirmation. For instructions on how to order on line please request our Online ordering instructions from your Sales Rep or Customer Service at [CS@uspolymersinc.com](mailto:CS@uspolymersinc.com).

## Online Business System

The online ordering system is a complete Business Management System as well, giving you the following benefits:

- Track all your open orders online
- Quote and save orders before submitting
- Immediate ship date confirmations
- Immediately know your costs
- Speed up Production Time
- Cut down on costly Errors

Visit [www.shuttersmart.com](http://www.shuttersmart.com), login in as a dealer and start managing your shutter business today. For a full set of instructions and your passwords to start using our system, contact your sales representative.

## Order Forms

Order Forms can be found in this manual; also available for download at [www.shuttersmart.com](http://www.shuttersmart.com), Dealers Section. Completed order forms can be emailed to [orders@uspolymersinc.com](mailto:orders@uspolymersinc.com) or faxed to (323) 727-6891

Shutter orders can be placed online at [www.shuttersmart.com](http://www.shuttersmart.com) in the dealer login section. Order forms can be emailed to our order desk [orders@uspolymersinc.com](mailto:orders@uspolymersinc.com) or faxed in (323) 727-6891.



|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                      |                                                                                                         |                                                                                        |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 1. Colors                                         | Standard Colors<br>W - White<br>S - Swiss                                                                                                                                                                                                                                                                                                                                                                                                             | Custom Colors N/A                                                                                                                                                                    |                                                                                                         |                                                                                        |
| 2. Louver Size                                    | 3" 4"                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                      |                                                                                                         |                                                                                        |
| 3. Mount Type                                     | IN - Inside Mount                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                      | OUT - Outside Mount                                                                                     |                                                                                        |
| 4. Shutter Type                                   | SF - Standard Folding<br>BP - Bypass Slider<br>TP - T-Post<br>DH - Double Hung<br>FD - French Door<br>TK - Track                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                      |                                                                                                         |                                                                                        |
| 5. Frame Type                                     | Outside Mount:<br>ST - Std L Frm<br>FLST - Flat Std L Frm<br>DS - Designer Frame<br>TK - Track<br>SL - Slimline Frame<br>HS - Hanging Strip                                                                                                                                                                                                                                                                                                           | Inside Mount:<br>TR - Trim Z Frame<br>EL - Elegance Z Frame<br>ZF - Z Frame<br>FLZ - Flat Z Frame<br>ST - Std L Frame<br>FLST - Flat Std L Frame<br>HS - Hanging Strip<br>TK - Track | French Door:<br>SL - Slimline Frame<br>ST - Standard Frame<br>FLST - Flat Standard Frame<br>Cutout: N/A | Sliders:<br>EX - Extended Frame<br>ED - Extended Frame with Deco Valance<br>TK - Track |
| 6. No of Frame Sides                              | 4W 4-Sided Frame for window (outside or inside mounts)<br>4S 4-Sided Frame for Sill (Sill Plate on btm)<br>3W 3-Sided Frame for windows (used for windows with crank on bottom or with Sill)<br>3D 3-Sided Frame for doors<br>2W 2-Sided Frame for windows (used for café style shutters)<br>CW Custom Frame configuration in any L & Z frames. Draw in special instructions.<br>CD Custom Door<br>1W, 1S, 1D Use with Track for Window, Sill or Door |                                                                                                                                                                                      |                                                                                                         |                                                                                        |
| 7. Size                                           | Provide width and height and indicate whether they are window opening size or Frame to Frame size.<br>Wide Openings use T-Posts. Ensure mounting clearances around window or inside window jamb for proper installation of frame.                                                                                                                                                                                                                     |                                                                                                                                                                                      |                                                                                                         |                                                                                        |
| 8. Panel Configuration                            | Note # of panels folding Left (L) and Right (R) based on the opening width and folding direction desired.<br>Maximum Panel Widths:<br>(1) Single Panel L or R 34" + Frame<br>(2) 2 Panels LR 68" + Frame<br>(3) Bi-Fold LL or RR 48" + Frame<br>(4) 4 Panels LLRR 96" + Frame                                                                                                                                                                         |                                                                                                                                                                                      |                                                                                                         |                                                                                        |
| 9. Divider Rail or Split Tilt Titler              | Indicate if placement number(s) in column 10 are for Divider Rail or for Tilt Rod Split.<br>Shutters over 72" tall must have 1 Divider Rail or Tilt Rod Split. Shutters over 84" must have 2 dividers.<br>Track Shutters do not have side frames and will overlap wall. Track Shutters over 72" require Split Tilt or Divider Rail.                                                                                                                   |                                                                                                                                                                                      |                                                                                                         |                                                                                        |
| 10. Divider Rail(s) or Split Tilt Rod Position(s) | C (center) = Split point will be located to evenly divide the panel.<br>Position = Split point will be placed as close as possible to indicated height (from bottom of shutter to mid-point of louver).                                                                                                                                                                                                                                               |                                                                                                                                                                                      |                                                                                                         |                                                                                        |

|                                |                                                                                                                                                                                                                                                         |                                 |                                |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------|
| <b>11. Add Front Tilt Rod</b>  | AllView PLUS shutters are always built with the AllView PLUS Rear Tilt Rod to give the maximum view possible. This is a standard feature of the shutter at no extra charge. If you would like to add a tilt rod in the front, mark (Y) Yes in this box. |                                 |                                |
| <b>12. Frame Build Out</b>     | Used to project shutters 1" forward when louvers need clearance to operate. i.e. mounting beyond molding, to clear door handles or mounting a standard shutter on sliding door. For Track Shutters, an extended bracket is supplied.                    |                                 |                                |
| <b>13. Hinge Color</b>         | <b>Shutter Color (1)</b>                                                                                                                                                                                                                                | <b>Default Hinge Color (14)</b> | <b>Custom Hinge Color (14)</b> |
|                                | W- White                                                                                                                                                                                                                                                | W- White                        | BP- Brass Plated               |
|                                | S- Swiss Coffee                                                                                                                                                                                                                                         | O- Off White                    | SS- Stainless Steel            |
| <b>14. Mount Magnets</b>       | Y or N                                                                                                                                                                                                                                                  |                                 |                                |
| <b>15. Corner Group</b>        | For Corner windows, a pair of shutters can be marked as Corner Group Left and Right. Order as window size and the factory will make all the deductions and frame design needed.                                                                         |                                 |                                |
| <b>16. T-POST Location</b>     | Distance from left point of given size to center of T-Post1 & T-Post2.<br>Draw folding direction of T-Post panels below.<br>Window Size - From Left of window to Center of T-Post. Frame Size - From Left Frame to Center of T-Post.                    |                                 |                                |
| <b>17. Window Side by Side</b> | To ensure rails are the same size, make sure heights are the same for all next to each other shutters.                                                                                                                                                  |                                 |                                |

AllView PLUS Pricing (All pricing is based on outside of frame to outside of frame sizes)

| I. Ordering By Shutter Frame to Shutter Frame Size:     |  | Width        |  | x Height        |  | x \$/sqft |  |
|---------------------------------------------------------|--|--------------|--|-----------------|--|-----------|--|
| Give outside of frame to outside of frame size          |  | Width        |  | x Height        |  | /144      |  |
| No Frame, Panels only                                   |  |              |  |                 |  | /144      |  |
| II. Ordering By WindowsSize: Outside Mount Frames -     |  |              |  |                 |  |           |  |
| Standard L Frame, Flat Standard Frame, Extended Frame   |  | Width + 4"   |  | x Height + 4"   |  | x \$/sqft |  |
|                                                         |  | Width + 4"   |  | x Height + 2"   |  | x \$/sqft |  |
|                                                         |  | Width + 5"   |  | x Height + 5"   |  | x \$/sqft |  |
|                                                         |  | Width + 5"   |  | x Height + 2.5" |  | x \$/sqft |  |
| Hanging Strip (Strip behind panel on wrap around hinge) |  | Width + 3"   |  | x Height + 3"   |  | x \$/sqft |  |
|                                                         |  | Width + 3"   |  | x Height + 1.5" |  | x \$/sqft |  |
| Slimline Frame (French Door Only)                       |  | Width + 2.5" |  | x Height + 2.5" |  | x \$/sqft |  |
|                                                         |  | Width + 1.5" |  | x Height + 1.5" |  | x \$/sqft |  |
| Z Frame                                                 |  | Width + 1.5" |  | x Height + .75" |  | x \$/sqft |  |
|                                                         |  | Width + 1.5" |  | x Height        |  | x \$/sqft |  |
| Trim Z Frame and Flat Z                                 |  | Width + 3"   |  | x Height + 3"   |  | x \$/sqft |  |
|                                                         |  | Width + 3"   |  | x Height + 1.5" |  | x \$/sqft |  |
| Elegance Z Frame                                        |  | Width + 3"   |  | x Height        |  | x \$/sqft |  |
|                                                         |  | Width + 4"   |  | x Height + 4"   |  | x \$/sqft |  |
| Standard L Frame, Flat Standard Frame                   |  | Width + 4"   |  | x Height + 2"   |  | x \$/sqft |  |
|                                                         |  | Width + 4"   |  | x Height        |  | x \$/sqft |  |
| Hanging Strip (Strip behind panel on wrap around hinge) |  | Width        |  | x Height        |  | /144      |  |
|                                                         |  | Width        |  | x Height        |  | /144      |  |



|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                   |                                                                                                                                                            |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Colors                                         | Standard Colors<br>W-White<br>S -Swiss Coffee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Specialty Colors*<br>(1 week longer lead time + surcharge)<br>O -Off White*<br>PW-Pearl*<br>EW-Elder White*<br>AG-Agreeable Gray*                                                                                                                                                 |                                                                                                                                                            |
| 2. Louver Size                                    | ThermaCore Louver (T)<br>3" or 4"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SolidCore Louver (S)<br>3 ½" or 4 ½"                                                                                                                                                                                                                                              |                                                                                                                                                            |
| 3. Tilt Rod                                       | Front - Front Tilt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Back - Tilt in Back - (Offset)                                                                                                                                                                                                                                                    | RV - (Rear Full View) - Hidden Tilt                                                                                                                        |
| 4. Mount Type                                     | IN - Inside Mount                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | OUT - Outside Mount                                                                                                                                                                                                                                                               |                                                                                                                                                            |
| 5. Shutter Type                                   | SF - Standard Folding<br>BF - Bi-Fold Slider<br>BP - Bypass Slider<br>BT - Bypass with Bottom Track                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FD - Double Hung<br>AR - French Door<br>TP - T-Post                                                                                                                                                                                                                               | ARTP - Arch Top T-Post<br>FC - French Door Cutout<br>(Refer to manual for more details)                                                                    |
| 6. Frame Type                                     | Outside Mount:<br>ST - Standard L Frame<br>FLST - Flat Standard L Frame<br>DF - Designer Frame<br>HS - Hanging Strip<br>EX - Extended Frame<br>STX - Standard Extended Frame<br>SL - Slimline Frame                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Inside Mount:<br>ZF - Z Frame<br>FLZ - Flat Z Frame<br>DZ - Deco Z Frame<br>EL - Elegance Z Frame<br>ST - Standard L Frame<br>HS - Hanging Strip<br>NF - No Frame (Net Panels)                                                                                                    | French Door:<br>SL - Slimline Frame<br>ST - Standard Frame<br>FLST - Flat Standard Frame<br>STX - Standard Extended                                        |
| 7. No of Frame Sides                              | 4W 4-Sided Frame for window (outside or inside mounts)<br>4AS 4-Sided Frame for Sill (Top & Bottom Sill Plate)<br>4S 4-Sided Frame for Sill (Sill Plate or sill frame on bottom)<br>3W 3-Sided Frame for windows (used for windows with crank on bottom or with Sill)<br>3D 3-Sided Frame for doors<br>4A 4-Sided Flat Top for arch<br>2W 2-Sided Frame (For café style shutters)<br>CW Custom Frame configuration in any L & Z frames. Use with arches. Draw in Special Instructions section.<br>NF-HG No frame w/hinges. Panels Only with attached hinges (Use Frame Size Measurement Option)<br>NF-NHG No frame, no hinges. Panels Only no hinges attached (Use Frame Size Measurement Option) |                                                                                                                                                                                                                                                                                   | DB - Double Bypass for 3" and 3 ½" louvers only<br><br>Sliders:<br>EK - Extended Frame<br>ED - Extended Frame with Deco Valance<br>STX - Standard Extended |
| 8. Size                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Provide width and height and indicate whether they are window opening size or Frame to Frame size.<br>Wide Openings use T-Posts. Ensure mounting clearances around window or inside window jamb for proper installation of frame.<br>* Max sizes: See reference guide for details |                                                                                                                                                            |
| 9. Panel Configuration                            | Note # of panels folding Left (L) and Right (R) based on the opening width and folding direction desired.<br>Maximum Panel Widths:<br>Single Panel L or R<br>36" + Frame<br>2 Panels LR<br>72" + Frame<br>Bi-Fold L or RR<br>52" + Frame<br>104" + Frame                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                   |                                                                                                                                                            |
| 10. Divider Rail or Split Tilt Rod                | Indicate if Placement number(s) in column 10 are for (D) Divider Rail or for (S) Split Tilt Rod.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                   |                                                                                                                                                            |
| 11. Divider Rail(s) or Split Tilt Rod Position(s) | Shutters over 72" tall must have 1 divider rail. Shutters over 96" must have 2. Rails will be placed as close as possible to indicated height (from bottom of window to midpoint of rail).<br>If no height is indicated, rail(s) will be located to evenly divide the panel.<br>Split point will be placed as close as possible to indicated height (from bottom of shutter to mid-point of louver).<br>If no height is indicated, split point will be located to evenly divide the panel.                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                   |                                                                                                                                                            |

**ShutterSMART Pricing** (All pricing is based on outside of frame to outside of frame size)

| I. Ordering By Shutter Frame to Frame Size:                             |                                                                                                  | Width       |              | x Height        |      | x \$/sqft |  |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------|--------------|-----------------|------|-----------|--|
| Give outside of frame to outside of frame size<br>No Frame, Panels only |                                                                                                  | Width       |              | x Height        |      | x \$/sqft |  |
| II. Ordering By Window Size:                                            |                                                                                                  |             |              |                 |      |           |  |
| Outside Mount Frames -                                                  |                                                                                                  |             |              |                 |      |           |  |
| Inside Mount Frames -                                                   | Standard L Frame, Extended Frame, Flat ST                                                        | 4 Sided     | Width + 4"   | x Height + 4"   | /144 | x \$/sqft |  |
|                                                                         |                                                                                                  | 3 Sided     | Width + 4"   | x Height + 2"   | /144 | x \$/sqft |  |
|                                                                         |                                                                                                  | 4 Sided     | Width + 5"   | x Height + 5"   | /144 | x \$/sqft |  |
|                                                                         |                                                                                                  | 3 Sided     | Width + 5"   | x Height + 2.5" | /144 | x \$/sqft |  |
|                                                                         | Hanging Strip (Strip behind panel on wrap around hinge)                                          | 4 Sided     | Width + 3"   | x Height + 3"   | /144 | x \$/sqft |  |
|                                                                         |                                                                                                  | 3 Sided     | Width + 3"   | x Height + 1.5" | /144 | x \$/sqft |  |
|                                                                         |                                                                                                  | 4 Sided     | Width + 2.5" | x Height + 2.5" | /144 | x \$/sqft |  |
|                                                                         |                                                                                                  | 3 Sided     | Width + 1.5" | x Height + 1.5" | /144 | x \$/sqft |  |
|                                                                         | Slimline Frame (French Door Only)<br>Z Frame                                                     | 3 Sided     | Width + 1.5" | x Height + .75" | /144 | x \$/sqft |  |
|                                                                         |                                                                                                  | 2 Sided     | Width + 1.5" | x Height        | /144 | x \$/sqft |  |
|                                                                         | Trim Z Frame & Flat Z Frame                                                                      | 4 Sided     | Width + 3"   | x Height + 3"   | /144 | x \$/sqft |  |
|                                                                         |                                                                                                  | 2 Sided     | Width + 3"   | x Height        | /144 | x \$/sqft |  |
|                                                                         | Elegance Z Frame                                                                                 | 4 Sided     | Width + 4"   | x Height + 4"   | /144 | x \$/sqft |  |
|                                                                         |                                                                                                  | 3 Sided     | Width + 4"   | x Height + 2"   | /144 | x \$/sqft |  |
|                                                                         | Standard L Frame, Flat Standard Frame<br>Hanging Strip (Strip behind panel on wrap around hinge) | 4.3.2 Sided | Width        | x Height        | /144 | x \$/sqft |  |
|                                                                         |                                                                                                  | 4.3.2 Sided | Width        | x Height        | /144 | x \$/sqft |  |

|                         |                                                                                                                                                                                                                                         |                          |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 12. Frame Spacer        | Used to project shutters 1" forward when louvers need clearance to operate, i.e. mounting beyond molding, to clear door handles or mounting a standard shutter on sliding door.                                                         |                          |
| 13. Astragal            | Special Shiles with Astragal where panels meet.                                                                                                                                                                                         |                          |
| 14. Hinge Color         | Shutter Color (1)                                                                                                                                                                                                                       | Default Hinge Color (14) |
|                         | W- White                                                                                                                                                                                                                                | W- White                 |
|                         | S- Swiss Coffee                                                                                                                                                                                                                         | O- Off White             |
|                         | PW- Pearl                                                                                                                                                                                                                               | AL- Almond               |
|                         | EW- Elder White                                                                                                                                                                                                                         | OB- Oil Rubbed Bronze    |
|                         | AG- Agreeable Gray                                                                                                                                                                                                                      | NS- Nickel Satin         |
| 15. Mount Magnets       | Upgraded recessed magnets are pre-mounted onto shutters if marked (V) Yes in this box.                                                                                                                                                  |                          |
| 16. Corner Group        | For Corner windows, a pair of shutters can be marked as Corner Group Left and Right.<br>Order as window size and the factory will make all the deductions and frame configurations needed.                                              |                          |
| 17. T-POST Location     | Distance from left point of given size to center of T-Post1 & T-Post2.<br>Draw folding direction of T-Post panels below.<br>Window Size - From Left of window to Center of T-Post.<br>Frame Size - From Left Frame to Center of T-Post. |                          |
| 18. Window Side by Side | To ensure rails are the same size, make sure heights are the same for all next to each other shutters.                                                                                                                                  |                          |



|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                    |                                                                                                                     |                                                                                              |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| 1. Colors                                         | W - White<br>BW - Bright White<br>EXW - Extra White<br>AW - Antique White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | S - Swiss<br>PW - Pearl<br>AG - Agreeable Gray<br>HRW - High Reflective White<br>O - Off White                                                                     | PR - Primed<br>AL - Alabaster<br>MG - Mindful Gray<br>EIW - Elder White<br>GV - Greek Villa                         | VB - Vanilla Bean<br>MRG - Morris Room Gray<br>CP - Custom Paint (Min order size-150 Sq. Ft) |
| 2. Louver Size                                    | 2 1/2" or 3 1/2" or 4 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                    |                                                                                                                     |                                                                                              |
| 3. Tilt Rod                                       | F - Tilt Rod In Front                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | B - Tilt In Back - (Offset)                                                                                                                                        | RVV - Rear Full View - Hidden Tilt                                                                                  |                                                                                              |
| 4. Mount Type                                     | IN - Inside Mount                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | OUT - Outside Mount                                                                                                                                                |                                                                                                                     |                                                                                              |
| 5. Shutter Type                                   | SF - Standard Folding<br>BF - Bi-Fold Slider<br>BP - Bypass Slider<br>TP - T-Post                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DH - Double Hung<br>FD - French Door<br>AR - Arch Top Shutter (draw diagram)                                                                                       | ARTP - Arch Top T-Post<br>FC - French Door Cutoff (Refer to manual for more details)                                | DB - Double Bypass for 2 1/2" and 3 1/2" louvers only                                        |
| 6. Frame Type                                     | Outside Mount:<br>ST - Standard L Frame<br>FLST - Flat Standard L Frame<br>DF - Designer Frame<br>HSO - Hanging Strip<br>EX - Extended Frame<br>STX - Standard Extended Frame<br>SL - Slimline Frame                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Inside Mount:<br>ZF - Z Frame<br>FLZ - Flat Z Frame<br>DZ - Deco Z Frame<br>EL - Elegance Z Frame<br>ST - Standard L Frame<br>HSI - Hanging Strip<br>NF - No Frame | French Door:<br>SL - Slimline Frame<br>ST - Standard Frame<br>FLST - Flat Standard Frame<br>STX - Standard Extended | Sliders:<br>EX - Extended Frame<br>ED - Extended Frame with Deco Valance                     |
| 7. No of Frame Sides                              | 4W 4-Sided Frame for window (outside or inside mounts)<br>4S 4-Sided Frame for Sill (Sill Plate or sill frame on bottom)<br>3W 3-Sided Frame for windows (used for windows with crank on bottom or with Sill)<br>3D 3-Sided Frame for doors<br>4A 4-Sided Flat Top for arch<br>2W 2-Sided Frame (For café style shutters)<br>CW Custom Frame configuration in any L & Z Frames. Use with arches. Draw in Special Instructions section.<br>4AS - 4-Sided Frame for Sill (Top & Bottom Sill Plate)<br>NF-HG No frame, no hinges. Panels Only with attached hinges (Use Frame Size Measurement Option)<br>NF-NHG No frame, no hinges. Panels Only no hinges attached (Use Frame Size Measurement Option)<br>Provide width and height and indicate whether they are Window opening size or Frame to Frame size. Wider Openings use T-Posts. Ensure mounting clearances around window or inside window jamb for proper installation of frame.<br>Note # of panels folding Left (L) and Right (R) based on the opening width and folding direction desired. |                                                                                                                                                                    |                                                                                                                     |                                                                                              |
| 8. Size                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                    |                                                                                                                     |                                                                                              |
| 9. Panel Configuration                            | Single Panel L or R<br>36" + Frame                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2 Panels LR<br>72" + Frame                                                                                                                                         | Bi-Fold LL or RR<br>52" + Frame                                                                                     | 4 Panels LLRR<br>104" + Frame                                                                |
| 10. Divider Rail or Split Tilt Rod                | Indicate if Placement number(s) in column 10 are for (D) Divider Rail or for (S) Split Tilt Rod.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                    |                                                                                                                     |                                                                                              |
| 11. Divider Rail(s) or Split Tilt Rod Position(s) | Shutters over 84" tall must have 1 divider rail. Shutters over 108" must have 2. Rails will be placed as close as possible to indicated height (from bottom of window to midpoint of rail). If no height is indicated, rail(s) will be located to evenly divide the panel. Split point will be placed as close as possible to indicated height (from bottom of shutter to mid-point of louver). If no height is indicated, split point will be located to evenly divide the panel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                    |                                                                                                                     |                                                                                              |

Miramonte Painted Pricing (All pricing is based on outside of frame to outside of frame size)

|                                                                                                                                |                                          |                                                     |                      |                                     |
|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------|----------------------|-------------------------------------|
| I. Ordering By Shutter Frame to Shutter Frame Size:<br>Give outside of frame to outside of frame size<br>No Frame, Panels only | Width                                    | x Height                                            | /144                 | x \$/sqft                           |
| II. Ordering By Window Size:<br>Outside Mount Frames -<br>Inside Mount Frames -                                                | Width                                    | x Height                                            | /144                 | x \$/sqft                           |
| Standard L Frame, Flat Standard Frame<br>Hang Strip (strip next to panel)<br>Designer Frame                                    | Width + 3"<br>Width + 3"<br>Width + 4.5" | x Height + 3"<br>x Height + 1.5"<br>x Height + 4.5" | /144<br>/144<br>/144 | x \$/sqft<br>x \$/sqft<br>x \$/sqft |
| Extended Frame                                                                                                                 | Width + 4"<br>Width + 4"                 | x Height + 4"<br>x Height + 2"                      | /144<br>/144         | x \$/sqft<br>x \$/sqft              |
| Slimline Frame (French Door Only)<br>Z Frame                                                                                   | Width + 2.5"<br>Width + 2"<br>Width + 2" | x Height + 2.5"<br>x Height + 2"<br>x Height + 1"   | /144<br>/144<br>/144 | x \$/sqft<br>x \$/sqft<br>x \$/sqft |
| Deco Z Frame and Flat Z                                                                                                        | Width + 3"<br>Width + 3"                 | x Height + 3"<br>x Height + 1.5"                    | /144<br>/144         | x \$/sqft<br>x \$/sqft              |
| Elegance Z Frame                                                                                                               | Width + 4"<br>Width + 4"                 | x Height + 4"<br>x Height + 2"                      | /144<br>/144         | x \$/sqft<br>x \$/sqft              |
| Standard Frame, Flat Standard Frame<br>Hanging Strip (Strip behind panel on wrap around hinge)                                 | Width<br>Width                           | x Height<br>x Height                                | /144<br>/144         | x \$/sqft<br>x \$/sqft              |

|                         |                                                                                                                                                                                                                                                                                                                                             |                          |                                                                               |  |  |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------|--|--|
| 12. Frame Spacer        | Used to project shutters 1" forward when louvers need clearance to operate, i.e. mounting beyond molding, to clear door handles or mounting a standard shutter on sliding door.                                                                                                                                                             |                          |                                                                               |  |  |
| 13. Astragal            | Special Stiles with Astragal where panels meet.                                                                                                                                                                                                                                                                                             |                          |                                                                               |  |  |
| 14. Hinge Color         | Color (1)                                                                                                                                                                                                                                                                                                                                   | Default Hinge Color (14) | Custom Hinge Color (14)                                                       |  |  |
|                         | W - White<br>BW - Bright White<br>HRW - High Reflective White<br>EXW - Extra White<br>PRW - Pure White                                                                                                                                                                                                                                      | W - White                | BL - Black<br>BP - Brass Plated<br>SS - Stainless Steel                       |  |  |
|                         | AW - Antique White<br>S - Swiss Coffee<br>O - Off White<br>PW - Pearl<br>VB - Vanilla Bean<br>GV - Greek Villa                                                                                                                                                                                                                              | O - Off White            |                                                                               |  |  |
|                         | PW - Pearl<br>EIW - Elder White<br>AG - Agreeable Gray<br>MG - Mindful Gray                                                                                                                                                                                                                                                                 | AL - Almond              | NS - Nickel Satin                                                             |  |  |
|                         | MRG - Morris Room Gray<br>EF - Evergreen Fog                                                                                                                                                                                                                                                                                                | AB - Antique Brass       |                                                                               |  |  |
| 15. Mount Magnets       | FS - Folkstone                                                                                                                                                                                                                                                                                                                              | OB - Oil Rubbed Bronze   | Standard Magnets are pre-mounted onto shutters if marked (V) Yes in this box. |  |  |
| 16. Corner Group        | For Corner windows, a pair of shutters can be marked as Corner Group Left and Right. Order as window size and the factory will make all the deductions and frame configurations needed.                                                                                                                                                     |                          |                                                                               |  |  |
| 17. T-POST Location     | Distance from left point of given size to center of T-Post1 & T-Post2. Draw folding direction of T-Post panels below.<br>Window Size - From Left of window to Center of T-Post. Frame Size - From Left Frame to Center of T-Post.<br>To ensure rails are the same size, make sure heights are the same for all next to each other shutters. |                          |                                                                               |  |  |
| 18. Window Side by Side |                                                                                                                                                                                                                                                                                                                                             |                          |                                                                               |  |  |



|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                         |                                                       |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------|
| MIRAMONTE PREMIER<br>1. Colors                    | MH - Mahogany<br>NA - NATURAL<br>RG - Rustic Gray<br>BN - Brazil Nut<br>NE - New Ebony                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | GB - Gray Birch<br>CS - Custom Stain Match<br>(min order size 150 sq ft)                |                                                       |
| 2. Louver Size                                    | 2 1/2" or 3 1/2" or 4 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                         |                                                       |
| 3. Tilt Rod                                       | F - Tilt Rod In Front                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | RV - Rear Full View - Hidden Tilt                                                       |                                                       |
| 4. Mount Type                                     | IN - Inside Mount                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | OUT - Outside Mount                                                                     |                                                       |
| 5. Shutter Type                                   | SF - Standard Folding<br>BF - Bi-Fold Slider<br>BP - Bypass Slider<br>TP - T-Post                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ARTP - Arch Top T-Post<br>FC - French Door Cutout<br>(Refer to manual for more details) | DB - Double Bypass for 2 1/2" and 3 1/2" louvers only |
| 6. Frame Type                                     | <div> <div>Outside Mount:</div> <div>ST - Standard L Frame<br/>FLST - Flat Standard L Frame<br/>DF - Designer Frame<br/>HSO - Hanging Strip<br/>EX - Extended Frame<br/>STX - Standard Extended Frame<br/>SL - Slimline Frame</div> </div> <div> <div>Inside Mount:</div> <div>ZF - Z Frame<br/>FLZ - Flat Z Frame<br/>DZ - Deco Z Frame<br/>EL - Elegance Z Frame<br/>ST - Standard L Frame<br/>HSI - Hanging Strip<br/>NF - No Frame (Net Panels)</div> </div> <div> <div>French Door:</div> <div>SL - Slimline Frame<br/>ST - Standard Frame<br/>FLST - Flat Standard Frame<br/>STX - Standard Extended Frame<br/>NF - No Frame (Net Panels)</div> </div> <div> <div>Sliders:</div> <div>EX - Extended Frame<br/>ED - Extended Frame with Deco Valance</div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                         |                                                       |
| 7. No of Frame Sides                              | 4W - 4-Sided Frame for window (Outside or inside mounts)<br>4S - 4-Sided Frame for Sill (Sill Plate or sill frame on bottom)<br>3W - 3-Sided Frame for windows (Used for windows with crank on bottom or with Sill)<br>3D - 3-Sided Frame for doors<br>4A - 4-Sided Flat Top for arch<br>2W - 2-Sided Frame (For café style shutters)<br>CW - Custom Frame configuration in any L & Z frames. Use with arches. Draw in Special Instructions section.<br>4AS - 4-Sided Frame for Sill (Top & Bottom Sill Plate)<br>NF-HS No frame w/hinges. Panels Only with attached hinges (Use Frame Size Measurement Option)<br>NF-NHG No frame, no hinges. Panels Only no hinges attached (Use Frame Size Measurement Option)<br>Provide width and height and indicate whether they are Window opening size or Frame to Frame size. Wider Openings use T-posts. Ensure mounting clearances around window or inside window jamb for proper installation of frame.<br>Note # of panels folding Left (L) and Right (R) based on the opening width and folding direction desired.<br>Maximum Panel Widths:<br>Single Panel L or R 36" + Frame      2 Panels LR 72" + Frame      Bi-Fold LL or RR 52" + Frame      4 Panels LLRR 104" + Frame<br>Indicate if Placement number(s) in column 10 are for (D) Divider Rail or for (S) Split Tilt Rod. |                                                                                         |                                                       |
| 8. Size                                           | Shutters over 84" tall must have 1 divider rail. Shutters over 108" must have 2. Rails will be placed as close as possible to indicated height (from bottom of window to midpoint of rail). If no height is indicated, rail(s) will be located to evenly divide the panel. Split point will be placed as close as possible to indicated height (from bottom of shutter to mid-point of louver). If no height is indicated, split point will be located to evenly divide the panel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                         |                                                       |
| 9. Panel Configuration                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                         |                                                       |
| 10. Divider Rail or Split Tilt Rod                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                         |                                                       |
| 11. Divider Rail(s) or Split Tilt Rod Position(s) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                         |                                                       |

Miramonte Premier Pricing (All pricing is based on outside of frame to outside of frame size)

| I. Ordering By Shutter Frame to Shutter Frame Size:                     |             |              |                 |             |
|-------------------------------------------------------------------------|-------------|--------------|-----------------|-------------|
| Give outside of frame to outside of frame size                          |             |              |                 |             |
| No Frame, Panels only                                                   |             |              |                 |             |
| II. Ordering By Window Size:                                            |             |              |                 |             |
| Outside Mount Frames -                                                  |             |              |                 |             |
| Standard L Frame, Flat Standard Frame, Hang Strip (strip next to panel) | 4 Sided     | Width + 3"   | x Height + 3"   | x \$/sqft x |
|                                                                         | 3 Sided     | Width + 3"   | x Height + 1.5" | \$/sqft     |
|                                                                         | 4 Sided     | Width + 4.5" | x Height + 4.5" | x \$/sqft   |
|                                                                         | 3 Sided     | Width + 4.5" | x Height + 2.5" | x \$/sqft   |
|                                                                         | 4 Sided     | Width + 4"   | x Height + 4"   | x \$/sqft   |
|                                                                         | 3 Sided     | Width + 4"   | x Height + 2"   | x \$/sqft   |
|                                                                         | 4 Sided     | Width + 2.5" | x Height + 2.5" | x \$/sqft   |
|                                                                         | 4 Sided     | Width + 2"   | x Height + 2"   | x \$/sqft   |
|                                                                         | 3 Sided     | Width + 2"   | x Height + 1"   | x \$/sqft   |
|                                                                         | 4 Sided     | Width + 3"   | x Height + 3"   | x \$/sqft   |
| Deco Z Frame and Flat Z Frame                                           | 3 Sided     | Width + 3"   | x Height + 1.5" | x \$/sqft   |
|                                                                         | 4 Sided     | Width + 4"   | x Height + 4"   | x \$/sqft   |
|                                                                         | 3 Sided     | Width + 4"   | x Height + 2"   | x \$/sqft   |
|                                                                         | 4,3,2 Sided | Width        | x Height        | x \$/sqft   |
| Standard Frame, Flat Standard Frame                                     | 4,3,2 Sided | Width        | x Height        | x \$/sqft   |
|                                                                         | 4,3,2 Sided | Width        | x Height        | x \$/sqft   |
| Hanging Strip (Strip behind panel on wrap around hinge)                 |             |              |                 |             |

|                         |                                                                                                                                                                                                                |                          |                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------|
| 12. Frame Spacer        | Used to project shutters 1" forward when louvers need clearance to operate, i.e. mounting beyond molding, to clear door handles or mounting a standard shutter on sliding door.                                |                          |                                                      |
| 13. Hinge Color         | Color (1)                                                                                                                                                                                                      | Default Hinge Color (14) | Custom Hinge Color (14)                              |
|                         | RB- Raw Basswood                                                                                                                                                                                               | BP- Brass Plated         | BL- Black<br>BP- Brass Plated<br>SS- Stainless Steel |
|                         | NA- Natural                                                                                                                                                                                                    |                          |                                                      |
|                         | HM- Honey Maple                                                                                                                                                                                                |                          |                                                      |
|                         | TK- Teak                                                                                                                                                                                                       |                          |                                                      |
|                         | GO- golden Oak                                                                                                                                                                                                 |                          |                                                      |
|                         | PE- Pecan                                                                                                                                                                                                      |                          |                                                      |
|                         | GB- Gray Birch                                                                                                                                                                                                 | AB- Antique Brass        |                                                      |
|                         | RG- Rustic Gray                                                                                                                                                                                                |                          |                                                      |
|                         | BN- Brazil Nut                                                                                                                                                                                                 |                          |                                                      |
|                         | NE- New Ebony                                                                                                                                                                                                  | OB- Oil Rubbed Bronze    |                                                      |
| WL- Walnut              |                                                                                                                                                                                                                |                          |                                                      |
| MH- Mahogany            |                                                                                                                                                                                                                |                          |                                                      |
| 14. Mount Magnets       | Standard Magnets are pre-mounted onto shutters if marked (Y) Yes in this box.                                                                                                                                  |                          |                                                      |
| 15. Corner Group        | For Corner windows, a pair of shutters can be marked as Corner Group Left and Right. Order as window size and the factory will make all the deductions and frame configurations needed.                        |                          |                                                      |
| 16. T-POST Location     | Distance from left point of given size to center of T-Post1 & T-Post2. Draw folding direction of T-Post panels below.                                                                                          |                          |                                                      |
| 17. Window Side by Side | Window Size -From Left of window to Center of T-Post. Frame Size - From Left Frame to Center of T-Post. To ensure rails are the same size, make sure heights are the same for all next to each other shutters. |                          |                                                      |

[illegible]

|                                                                                                                                                 |                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>T-Post - Draw Panels</b><br/> <b>Line #</b> _____</p>  | <p><b>Custom Frames - Specify Frames</b><br/> <b>Line #</b> _____</p> <p>CW   T   L   R   B</p> <p>_____</p> | <p><b>French Door Oval Cut Out</b><br/> <b>Slim line &amp; Standard L Frames</b></p>  <p><b>Line #</b> _____</p> <p><math>\frac{3}{4}</math>" Optional Offset <input type="checkbox"/></p> <p>Cutout Center Height _____</p> <p>H= _____</p> <p>Cutout Size W _____</p> <p><input type="checkbox"/> 10" <input type="checkbox"/> 12" <input type="checkbox"/> 14"</p> | <p><b>French Door Rectangle Cut Out</b><br/> <b>Standard L Frame Only</b></p>  <p><b>Line #</b> _____</p> <p><math>\frac{3}{4}</math>" Optional Offset <input type="checkbox"/></p> <p>Cutout Center Height _____</p> <p>H= _____</p> <p>Cutout Size W _____</p> <p><input type="checkbox"/> 10" <input type="checkbox"/> 14"</p> | <p><b>Arch Top - Window Size Note:</b><br/>         HL - Left Height : HR - Right Height : HC - Center Height</p>  <p><b>Arch Line #</b> _____</p> <p>HL   HC   HR</p> <p>_____ (Opening Height)</p> | <p><b>Arch Top - Window Size Note:</b><br/>         HL - Left Height : HR - Right Height : HC - Center Height</p>  <p><b>Arch Line #</b> _____</p> <p>HL   HC   HR</p> <p>_____ (Opening Height)</p> |
| <p><b>Special Instructions:</b></p>                                                                                                             |                                                                                                              | <p>Note: Standard L Frame will have built in 7/8" back plate offset. Cutout Depth D = 4 1/2"</p>                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                           |

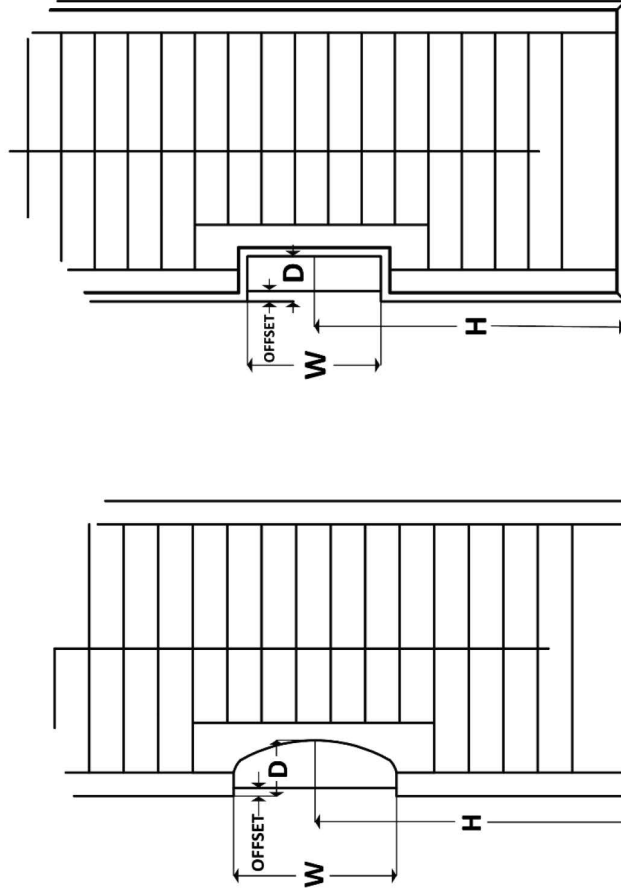
|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                  |                                                                                                                           |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| 1. Colors                                         | Standard Colors:<br>W - White<br>S - Swiss Coffee                                                                                                                                                                                                                                                                                                                                                                                                                                | Specialty Colors*:<br>AG - Agreeable Gray*<br>ETW - Elder White*<br>PW - Pearl*<br>O - Off White*<br>*1 week longer lead time + surcharge<br>ThermaCore Louver available colors- White, Swiss Coffee, Off White*, Pearl*<br>*Specialty Colors, surcharge applies<br>B - Tilt In Back – (Off Set) |                                                                                                                           |
| 2. Louver Size                                    | 3" or 4"                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                  |                                                                                                                           |
| 3. Tilt Rod                                       | F - Tilt Rod In Front                                                                                                                                                                                                                                                                                                                                                                                                                                                            | RVF - (Rear Full View) -Hidden Tilt                                                                                                                                                                                                                                                              |                                                                                                                           |
| 4. Mount Type                                     | IN - Inside Mount                                                                                                                                                                                                                                                                                                                                                                                                                                                                | OUT - Outside Mount                                                                                                                                                                                                                                                                              |                                                                                                                           |
| 5. Shutter Type                                   | SF - Standard Folding                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TP - T-Post                                                                                                                                                                                                                                                                                      | FD - French                                                                                                               |
| 6. Frame Type                                     | Outside Mount:<br>ST - Standard L Frame<br>FLST - Flat Standard L Frame<br>DS - Designer Frame<br>STX - Standard L Extended Fr (FD)<br>SL - Slimline Frame (FD, FC)                                                                                                                                                                                                                                                                                                              | Inside Mount:<br>ZF - Z Frame<br>FLZ - Flat Z Frame<br>TR - Trim Z Frame<br>EL - Elegance Z Frame<br>ST - Standard L Frame<br>FLST - Flat Standard L Frame                                                                                                                                       | French Door:<br>SL - Slimline Frame<br>ST - Standard Frame<br>FLST - Flat Standard Frame<br>STX - Standard Extended Frame |
| 7. No of Frame Sides                              | 4W - 4-Sided Frame for window (outside or inside mounts)<br>4AS - 4-Sided Frame for Sill (Top & Bottom Sill Plate)<br>4S - 4-Sided Frame for Sill (Sill Plate or sill frame on bottom)<br>4A - 4-Sided Flat Top for arch<br>CW - Custom Frame configuration in any L & Z frames. Use with arches. Draw in Special Instructions section.                                                                                                                                          |                                                                                                                                                                                                                                                                                                  |                                                                                                                           |
| 8. Size                                           | Provide width and height and indicate whether they are Window opening size or Frame to Frame size. Wider Openings use T-Posts. Ensure mounting clearances around window or inside window jamb for proper installation of frame.                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                  |                                                                                                                           |
| 9. Panel Configuration                            | Note # of panels folding Left (L) and Right (R) based on the opening width and folding direction desired.                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                  |                                                                                                                           |
| 10. Divider Rail or Split Tilt Rod                | Maximum Panel Widths:<br>Single Panel L or R<br>36" + Frame<br>Indicate if Placement number(s) in column 10 are for (D) Divider Rail or for (S) Split Tilt Rod.                                                                                                                                                                                                                                                                                                                  | 2 Panels LR<br>72" + Frame<br>Bi-Fold L or RR<br>52" + Frame<br>4 Panels LLRR<br>104" + Frame                                                                                                                                                                                                    |                                                                                                                           |
| 11. Divider Rail(s) or Split Tilt Rod Position(s) | Shutters over 84" tall must have 1 divider rail. Shutters over 108" must have 2. Rails will be placed as close as possible to indicated height from bottom of window to midpoint of rail. If no height is indicated, rail(s) will be located to evenly divide the panel. Split point will be placed as close as possible to indicated height (from bottom of shutter to mid-point of louver). If no height is indicated, split point will be located to evenly divide the panel. |                                                                                                                                                                                                                                                                                                  |                                                                                                                           |

|                         |                                                                                                                                                                                                                    |                                                                                        |                                                                                                                               |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 12. Frame Spacer        | Used to project shutters 1" forward when louvers need clearance to operate. i.e. mounting beyond molding, to clear door handles or mounting a standard shutter on sliding door.                                    |                                                                                        |                                                                                                                               |
| 13. Astragal            | Special Stiles with Astragal where panels meet.                                                                                                                                                                    |                                                                                        |                                                                                                                               |
| 14. Hinge Color         | Shutter Color (1)<br>W- White<br>S- Swiss Coffee<br>O- Off White<br>PW- Pearl<br>EW- Elder White<br>AG- Agreeable Gray                                                                                             | Default Hinge Color (14)<br>W- White<br>O- Off White<br>AL- Almond<br>NS- Nickel Satin | Custom Hinge Color (14)<br>AB- Antique Brass<br>BL- Black<br>BP- Brass Plated<br>OB- Oil Rubbed Bronze<br>SS- Stainless Steel |
| 15. Mount Magnets       | Upgraded recessed magnets are pre-mounted onto shutters if marked (Y) Yes in this box.                                                                                                                             |                                                                                        |                                                                                                                               |
| 16. Corner Group        | For Corner windows, a pair of shutters can be marked as Corner Group Left and Right. Order as window size and the factory will make all the deductions and frame configurations needed.                            |                                                                                        |                                                                                                                               |
| 17. T-POST Location     | Distance from left point of given size to center of T-Post1 & T-Post2.<br>Draw folding direction of T-Post panels below.                                                                                           |                                                                                        |                                                                                                                               |
| 18. Window Side by Side | Window Size - From Left of window to Center of T-Post. Frame Size - From Left Frame to Center of T-Post.<br>To ensure rails are the same size, make sure heights are the same for all next to each other shutters. |                                                                                        |                                                                                                                               |

| I. Ordering By Shutter Frame to Frame Size:             | Width       | x Height x Height | /144            | x \$/sqft      |
|---------------------------------------------------------|-------------|-------------------|-----------------|----------------|
| Give outside of frame to outside of frame size.         | Width       | Height            | /144            | x \$/sqft      |
| II. Ordering By Window Size:                            |             |                   |                 |                |
| Outside Mount Frames -                                  |             |                   |                 |                |
| Standard L Frame, Extended Frame, Flat Standard Frame   | 4 Sided     | Width + 4"        | x Height + 4"   | /144 x \$/sqft |
| Designer Frame                                          | 3 Sided     | Width + 4"        | x Height + 2"   | /144 x \$/sqft |
|                                                         | 4 Sided     | Width + 5"        | x Height + 5"   | /144 x \$/sqft |
|                                                         | 3 Sided     | Width + 5"        | x Height + 2.5" | /144 x \$/sqft |
| Hanging Strip (Strip behind panel on wrap around hinge) | 4 Sided     | Width + 3"        | x Height + 3"   | /144 x \$/sqft |
|                                                         | 3 Sided     | Width + 3"        | x Height + 1.5" | /144 x \$/sqft |
| Slimline Frame (French Door Only)                       | 4 Sided     | Width + 2.5"      | x Height + 2.5" | /144 x \$/sqft |
| Z Frame                                                 | 4 Sided     | Width + 1.5"      | x Height + 1.5" | /144 x \$/sqft |
|                                                         | 3 Sided     | Width + 1.5"      | x Height + .75" | /144 x \$/sqft |
| Trim Z Frame =& Flat Z Frame                            | 2 Sided     | Width + 1.5"      | x Height        | /144 x \$/sqft |
|                                                         | 3 Sided     | Width + 3"        | x Height + 3"   | /144 x \$/sqft |
|                                                         | 2 Sided     | Width + 3"        | x Height        | /144 x \$/sqft |
| Elegance Z Frame                                        | 4 Sided     | Width + 4"        | x Height + 4"   | /144 x \$/sqft |
|                                                         | 3 Sided     | Width + 4"        | x Height + 2"   | /144 x \$/sqft |
| Standard L Frame, Flat Standard Frame                   | 4,3,2 Sided | Width             | x Height        | /144 x \$/sqft |
| Hanging Strip (Strip behind panel on wrap around hinge) | 4,3,2 Sided | Width             | x Height        | /144 x \$/sqft |

|                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                            |  |                                                        |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------|--|
| <b>BILL TO:</b><br>Acct. # _____<br>Email: _____<br>Ph: _____                                                                                                                                                                                                                    |  | <br><b>FRENCH DOOR</b><br><b>CUTOUT WORKSHEET</b><br>Tel: 800.737.4569 Fax: 323.727.6891 Email: orders@uspolymersinc.com |  | <b>SHIP TO:</b><br>Ph: _____<br>P.O.# / SIDEMARK _____ |  |
| NOTICE<br>French Door are designed to complement wood and poly clad shutters with coordinated frames. They will match closely in look and color but, due to differences in material, a "perfect" match is unlikely. French Door are custom made and not subject to cancellation. |  | CUSTOMER SIGNATURE _____                                                                                                                                                                                   |  |                                                        |  |

In the case of a French door, measure the frame size. This must include a 1 1/2" or 1 3/4" flat area around window to mount the Slimline Frame or Standard Frame, respectively. Make sure there is room between the door handle and glass to mount the frame. French Door Cut Outs are available in ShutterSMART, Miramonte and Miramonte Premier. For French doors with a molding around the glass, you can either measure to mount on the molding or to do a build out around the molding using a Frame spacer. **NOTE:** Order all French doors within view of each other the same height.



### Oval Cutout

Slimline & Standard L Frames

Cutout Depth **D** = 4 7/8"

Cutout Size **W** 10" ☐ 12" ☐ 14" ☐

Cutout Center Height **H** = \_\_\_\_\_

3/4" Optional Offset ☐

### Rectangle Cutout

Standard L Frames Only

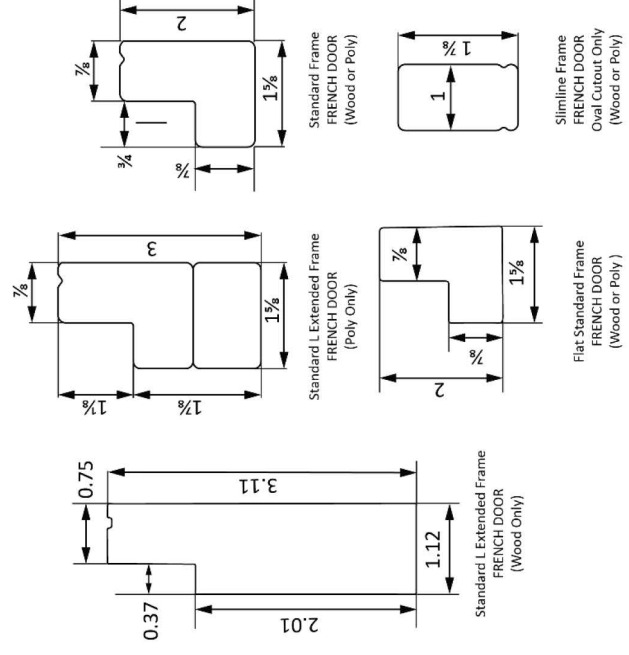
Cutout Depth **D** = 4 7/8"

Cutout Size **W** 10" ☐ 14" ☐

Cutout Center Height **H** = \_\_\_\_\_

3/4" Optional Offset ☐

### Frame Options



[illegible]

BILL TO: *Anyone in USA*

Acct. \_\_\_\_\_

Email: \_\_\_\_\_

SHIP TO:

Ph: \_\_\_\_\_

Shutter smart

☐ Thermacore ☐ Solidcore

Window Size Order Form

Date: *1/23/2014*

P.O.# / SIDEMARK \_\_\_\_\_

CUSTOMER SIGNATURE \_\_\_\_\_

Tel: 800.737.4569 Fax: 323.727.6891 Email: [orders@uspolymersinc.com](mailto:orders@uspolymersinc.com)

| #  | QTY | Room    | 1<br>Color                                                                                      | 2<br>Louver<br>Size                          | 3<br>Tilt-<br>Rod                                           | 4<br>Mount<br>Type | 5<br>Shutter<br>Type                                     | 6<br>Frame<br>Type                                                                            | 7<br>No of<br>Sides                                              | 8<br>SIZE<br>W - Window Size<br>F - Frame to Frame | 9<br>No. of PANELS<br>Folding<br>Direction | 10<br>Dividing<br>Rail or<br>Split Tilt | 11<br>Dividing Rail(s)<br>or Split Tilt Rod Position(s) | 12<br>Frame<br>Spacer<br>1" | 13<br>Astragal | 14<br>Hinge<br>Color                             | 15<br>Mount<br>Magnets | 16<br>Corner<br>Group | 17<br>T-Post from<br>Left to Center<br>of T-Post | 18<br>Window<br>Side by<br>Side |
|----|-----|---------|-------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------|--------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------|-----------------------------------------|---------------------------------------------------------|-----------------------------|----------------|--------------------------------------------------|------------------------|-----------------------|--------------------------------------------------|---------------------------------|
|    |     |         | W-White<br>S-Swiss Coffee<br>O-Off-white*<br>PW-Pearl*<br>EW-Elder White*<br>AB-Agreeable Gray* | 3" (T)<br>4" (T)<br>3 1/2" (S)<br>4 1/2" (S) | Front-<br>Tilt<br>Back-<br>Offset<br>RVF-<br>Hidden<br>Tilt | IN<br>OU<br>T      | SF<br>BF<br>BP<br>BT<br>TP<br>DH<br>FD<br>FC<br>AR<br>DB | ST<br>FLST<br>DS<br>TR<br>HS<br>4A<br>EX<br>2W<br>CW<br>4AS<br>NF-HG<br>SL<br>ED<br>STX<br>NF | 4W<br>4S<br>3W<br>3D<br>4A<br>2W<br>CW<br>4AS<br>NF-HG<br>NF-NHG | W<br>F                                             | Left<br>Right                              | D<br>S                                  | 1 <sup>st</sup><br>(Y)                                  | 2 <sup>nd</sup><br>(Y)      | (Y)            | W<br>O<br>AL<br>NS<br>AB<br>BP<br>OB<br>SS<br>BL | Y or N                 | Left<br>Right         | TP1<br>TP2                                       | Y or N                          |
| 1  | 1   | Bedroom | W                                                                                               | 3"                                           | F                                                           | In                 | SF                                                       | TR                                                                                            | 4S                                                               | W 48"                                              | 1                                          | 1                                       |                                                         |                             |                |                                                  | Y                      |                       |                                                  |                                 |
| 2  | 1   | Office  | P                                                                                               | 3"                                           | F                                                           | Out                | TP                                                       | ST                                                                                            | 4W                                                               | W 120"                                             |                                            |                                         |                                                         |                             |                |                                                  | N                      |                       | 60"                                              |                                 |
| 3  | 1   | Dining  | S                                                                                               | 3"                                           | RVF                                                         | In                 | AR                                                       | IR                                                                                            | 4S                                                               | W 70"                                              | 1                                          | 1                                       | D                                                       |                             |                | D                                                | Y                      |                       |                                                  |                                 |
| 4  | 1   | Living  | W                                                                                               | 3"                                           | B                                                           | In                 | FC                                                       | SL                                                                                            | 4W                                                               | W 27 1/2"                                          |                                            | 1                                       |                                                         |                             |                |                                                  | Y                      |                       |                                                  |                                 |
| 5  | 1   | Formal  | O                                                                                               | 3"                                           | RVF                                                         | In                 | AR                                                       | IR                                                                                            | 4S                                                               | W 70"                                              | 1                                          | 1                                       | S                                                       |                             |                | D                                                | N                      |                       |                                                  |                                 |
| 6  |     |         |                                                                                                 |                                              |                                                             |                    |                                                          |                                                                                               |                                                                  |                                                    |                                            |                                         |                                                         |                             |                |                                                  |                        |                       |                                                  |                                 |
| 7  |     |         |                                                                                                 |                                              |                                                             |                    |                                                          |                                                                                               |                                                                  |                                                    |                                            |                                         |                                                         |                             |                |                                                  |                        |                       |                                                  |                                 |
| 8  |     |         |                                                                                                 |                                              |                                                             |                    |                                                          |                                                                                               |                                                                  |                                                    |                                            |                                         |                                                         |                             |                |                                                  |                        |                       |                                                  |                                 |
| 9  |     |         |                                                                                                 |                                              |                                                             |                    |                                                          |                                                                                               |                                                                  |                                                    |                                            |                                         |                                                         |                             |                |                                                  |                        |                       |                                                  |                                 |
| 10 |     |         |                                                                                                 |                                              |                                                             |                    |                                                          |                                                                                               |                                                                  |                                                    |                                            |                                         |                                                         |                             |                |                                                  |                        |                       |                                                  |                                 |

SPECIAL INSTRUCTIONS

T-Post - Draw Panels  
Line # \_\_\_\_\_

TP1

TP2

Custom Frames - Specify Frames  
Line # \_\_\_\_\_

CW T L R B \_\_\_\_\_

French Door Oval Cut Out  
Slim line & Standard L Frames  
Line # *4*

3/4" Optional Offset ☐

Cutout Center Height  
H= *32 1/2*

Cutout Size W  
☐ 10" ☒ 12" ☐ 14"

French Door Rectangle Cut Out  
Standard L Frame Only  
Line # \_\_\_\_\_

3/4" Optional Offset ☐

Cutout Center Height  
H= \_\_\_\_\_

Cutout Size W  
☐ 10" ☐ 14"

Arch Top - Window Size Note:  
HL - Left Height: HR - Right Height: HC - Center Height

Arch Line # *5*

HL

54"

HC

88"

HR

54"

Arch Line # \_\_\_\_\_

HL

\_\_\_\_\_

HC

\_\_\_\_\_

HR

\_\_\_\_\_

Special Instructions:

Note: Standard L Frame will have built in 7/8" back plate offset. Cutout Depth D = 4 1/2"

10





## PRICING

### Base Pricing

Shutters are priced by the Square foot. Shutters can be ordered by Frame size or Window size. All pricing is based on shutter frame edge to frame edge size. The tables show how to get the pricing frame sizes.

#### ShutterSMART / AllView

##### I. Ordering By Shutter Frame to Shutter Frame Size:

Outside Mount Frames only (give outside of frame to outside of frame size) or Panels only

##### II. Ordering By Window Size:

|                        |                                                                 |             |              |                 |      |           |
|------------------------|-----------------------------------------------------------------|-------------|--------------|-----------------|------|-----------|
| Outside Mount Frames - | Standard L Frame, Flat St Frame, Extended Frame                 | 4-Sided     | Width + 4"   | x Height + 4"   | /144 | x \$/sqft |
|                        |                                                                 | 3-Sided     | Width + 4"   | x Height + 2"   | /144 | x \$/sqft |
|                        | Designer Frame                                                  | 4-Sided     | Width + 5"   | x Height + 5"   | /144 | x \$/sqft |
|                        |                                                                 | 3-Sided     | Width + 5"   | x Height + 2.5" | /144 | x \$/sqft |
|                        | Hanging Strip ( <i>Strip behind panel on wrap hinge</i> )       | 4-Sided     | Width + 3"   | x Height + 3"   | /144 | x \$/sqft |
|                        |                                                                 | 3-Sided     | Width + 3"   | x Height + 1.5" | /144 | x \$/sqft |
|                        | Slimline Frame ( <i>French Door Only</i> )                      | 4-Sided     | Width + 2.5" | x Height + 2.5" | /144 | x \$/sqft |
|                        |                                                                 | 4-Sided     | Width + 1.5" | x Height + 1.5" | /144 | x \$/sqft |
| Inside Mount Frames -  | Z Frame                                                         | 3-Sided     | Width + 1.5" | x Height + .75" | /144 | x \$/sqft |
|                        |                                                                 | 2-Sided     | Width + 1.5" | x Height        | /144 | x \$/sqft |
|                        | Trim Z / Flat Z                                                 | 4-Sided     | Width + 3"   | x Height + 3"   | /144 | x \$/sqft |
|                        |                                                                 | 3-Sided     | Width + 3"   | x Height + 1.5" | /144 | x \$/sqft |
|                        | Elegance Frame                                                  | 2-Sided     | Width + 3"   | x Height        | /144 | x \$/sqft |
|                        |                                                                 | 4-Sided     | Width + 4"   | x Height + 4"   | /144 | x \$/sqft |
|                        |                                                                 | 3-Sided     | Width + 4"   | x Height + 2"   | /144 | x \$/sqft |
|                        |                                                                 | 2-Sided     | Width + 4"   | x Height        | /144 | x \$/sqft |
|                        | Standard Frame                                                  | 4,3,2-Sided | Width        | x Height        | /144 | x \$/sqft |
|                        | Hanging Strip ( <i>Strip behind panel on wraparound hinge</i> ) | 4,3,2 Sided | Width        | x Height        | /144 | x \$/sqft |

#### MiraMonte/ MiraMonte Premier

##### I. Ordering By Shutter Frame to Shutter Frame Size:

Outside Mount Frames Only (give outside of frame to outside of frame size) or Panels only

##### II. Ordering By Window Size:

|                        |                                                                  |             |              |                 |      |           |
|------------------------|------------------------------------------------------------------|-------------|--------------|-----------------|------|-----------|
| Outside Mount Frames - | Standard L Frame, Flat St Frame                                  | 4-Sided     | Width + 3"   | x Height + 3"   | /144 | x \$/sqft |
|                        |                                                                  | 3-Sided     | Width + 3"   | x Height + 1.5" | /144 | x \$/sqft |
|                        | Designer Frame                                                   | 4-Sided     | Width + 4.5" | x Height + 4.5" | /144 | x \$/sqft |
|                        |                                                                  | 3-Sided     | Width + 4.5" | x Height + 2.5" | /144 | x \$/sqft |
|                        | Hanging Strip ( <i>strip next to panel</i> )                     | 4-Sided     | Width + 3.5" | x Height + 3.5" | /144 | x \$/sqft |
|                        |                                                                  | 3-Sided     | Width + 3.5" | x Height + 1.5" | /144 | x \$/sqft |
|                        | Extended Frame                                                   | 4 Sided     | Width + 4"   | x Height + 4"   | /144 | x \$/sqft |
|                        |                                                                  | 3-Sided     | Width + 4"   | x Height + 2"   | /144 | x \$/sqft |
|                        | Slimline Frame ( <i>French Door Only</i> )                       | 4 Sided     | Width + 2.5" | x Height + 2.5" | /144 | x \$/sqft |
|                        |                                                                  | 4 Sided     | Width + 2"   | x Height + 2"   | /144 | x \$/sqft |
| Inside Mount Frames -  | Z Frame - Miramonte only                                         | 3 Sided     | Width + 2"   | x Height + 1"   | /144 | x \$/sqft |
|                        |                                                                  | 2-Sided     | Width + 2"   | x Height        | /144 | x \$/sqft |
|                        | Deco Z/ Trim Z/ Flat Z Frame                                     | 4 Sided     | Width + 3"   | x Height + 3"   | /144 | x \$/sqft |
|                        |                                                                  | 3 Sided     | Width + 3"   | x Height + 1.5" | /144 | x \$/sqft |
|                        |                                                                  | 2-Sided     | Width + 3"   | x Height        | /144 | x \$/sqft |
|                        |                                                                  | 4 Sided     | Width + 4"   | x Height + 4"   | /144 | x \$/sqft |
|                        | Elegance Frame -Miramonte only                                   | 3 Sided     | Width + 4"   | x Height + 2"   | /144 | x \$/sqft |
|                        |                                                                  | 2-Sided     | Width + 4"   | x Height        | /144 | x \$/sqft |
|                        | Standard L Frame                                                 | 4,3,2-Sided | Width        | x Height        | /144 | x \$/sqft |
|                        | Hanging Strip ( <i>Strip behind panel on wrap around hinge</i> ) | 4,3,2-Sided | Width        | x Height        | /144 | x \$/sqft |



**Surcharges - charges per shutter unless noted otherwise.**

| CATEGORY                            | ALLVIEW PLUS | SHUTTERSMA <span style="font-size: 0.8em;">RT</span> |           | MIRAMONTE |         |
|-------------------------------------|--------------|------------------------------------------------------|-----------|-----------|---------|
| PRODUCT                             | POLY         | THERMACORE                                           | SOLIDCORE | PAINTED   | STAINED |
| LEAD TIME                           | 1 WEEK       | 1 WEEK                                               | 2 WEEKS   | 2 WEEKS   | 3 WEEKS |
| <b>SURCHARGES (per opening)</b>     |              |                                                      |           |           |         |
| Rear Full View (hidden tilt)        | N/C          | \$20                                                 | \$20      | \$20      | \$20    |
| AllView PLUS Front tilt add on      | \$5          | N/A                                                  | N/A       | N/A       | N/A     |
| Back Tilt Rod (off set)             | N/A          | \$15                                                 | \$15      | \$15      | \$15    |
| Astragal                            | N/C          | N/C                                                  | N/C       | N/C       | N/C     |
| Split Tilt Rod                      | N/C          | N/C                                                  | N/C       | N/C       | N/C     |
| T-Post (per T-Post)                 | N/C          | N/C                                                  | N/C       | N/C       | N/C     |
| Horizontal T-Post                   | \$50         | \$50                                                 | \$50      | \$50      | \$50    |
| Double Hung                         | \$75         | \$75                                                 | \$75      | \$75      | \$75    |
| Energy Guard                        | N/A          | \$20                                                 | N/A       | N/A       | N/A     |
| AllView PLUS Track System           | \$75         | N/A                                                  | N/A       | N/A       | N/A     |
| Bifold Slider (Top track only)      | N/A          | \$225                                                | \$225     | \$225     | \$225   |
| Bypass Slider (Top track only)      | \$225        | \$225                                                | \$225     | \$225     | \$225   |
| Bifold/Bypass Slider w/Bottom Track | \$250        | \$250                                                | \$250     | \$250     | \$250   |
| Double Bypass Slider                | \$250        | \$250                                                | \$250     | \$250     | \$250   |
| French Door Cut Out                 | N/A          | \$150                                                | \$150     | \$150     | \$150   |
| Pre-mounted Magnets                 | \$5          | \$5                                                  | \$5       | \$5       | \$5     |
| Frames Spacers                      | \$25         | \$25                                                 | \$25      | \$25      | \$25    |
| Sunburst Arch                       | N/A          | \$300                                                | \$300     | \$300     | N/A     |
| Sunburst Arch w/bottom frame        | N/A          | \$450                                                | \$450     | \$450     | N/A     |
| Arch Top Shutters                   | N/A          | \$250                                                | \$250     | \$325     | \$325   |
| Arch Custom Shapes                  | N/A          | \$350                                                | \$350     | \$395     | \$395   |
| Stainless Steel Hinges              | \$15         | \$15                                                 | \$15      | \$15      | \$15    |
| Black Hinges                        | N/A          | \$15                                                 | \$15      | \$15      | \$15    |
| Custom Frame Configuration          | \$25         | \$25                                                 | \$25      | \$25      | \$25    |
| Non-Standard Shutter                | \$50         | \$50                                                 | \$50      | \$50      | \$50    |
| Ext Frame w/Deco Valance            | \$60         | \$60                                                 | \$60      | \$60      | \$60    |
| SS Specialty Color                  | N/A          | \$25                                                 | \$25      | N/A       | N/A     |
| Custom Color/Stain Match            | N/A          | N/A                                                  | N/A       | \$150     | \$150   |

**Lead Times** - All orders are confirmed in 24-48 hours. If you do not receive an order confirmation in 48 hours that means your order is not being processed. There could be a variety of reasons for this including, not receiving the order, incomplete information, out of spec design, or questions that need to be answered, to name a few. If you do not receive your confirmation, please contact customer service. Orders are typically produced in the quoted lead times below and shipped on the next available truck according to our truck schedules. **For Faster Order Processing, Order Online!**

**Note:** Add 1 week to lead times for Specialty Colors, French door cut outs.

Sunburst Arches, Archtop shutters and Specialty Shapes takes 6 weeks.

Lead times are estimates and may change from time to time. Actual completion dates are shown on order confirmations.

All orders are shipped on the next available truck in your area. Check truck route schedules for delivery dates.



## Price Examples

### Window Size

1. Measure a standard window by taking the inside measurements of the width and height. Convert shutter width and height to decimals using conversion table below.

|          |       |        |        |        |        |        |        |
|----------|-------|--------|--------|--------|--------|--------|--------|
| Fraction | 1/8"  | 1/4"   | 3/8"   | 1/2"   | 5/8"   | 3/4"   | 7/8"   |
| Decimal  | .125" | 0.250" | 0.375" | 0.500" | 0.625" | 0.750" | 0.875" |

2. Make the appropriate frame addition from the price charts on previous page to get Frame Width and Height.
3. Multiply **Framed Width** (inches) x **Height** (inches) & **divide by 144** to get Pricing Sqft. (*round up to closest ½ sqft*).
4. Multiply the Pricing Sqft by your price \$ /sqft to get the shutter price.
5. Add applicable surcharges and freight.

### Frame Size

1. Multiply **Framed Width** (inches) x **Height** (inches) & **divide by 144** to get Pricing sqft. (*round up to closest ½ sqft*)
2. Multiply the Price Sqft by your price \$ /sqft to get the shutter price. (call for your sqft price)
3. Add applicable surcharges and freight.

Examples:

1. Outside Mount MiraMonte shutter with 3-sided Standard L frame. The opening measures 48.5" x 52"

|                         | Window Size                                     | Frame Size                                      |
|-------------------------|-------------------------------------------------|-------------------------------------------------|
| 1. Measure opening size | 48.5" width x 52" height                        | -                                               |
| 2. Make frame additions | 48.5" W + 3" x 52"H + 1.5"                      | -                                               |
| 3. Pricing Sqft         | 51.5"x53.5"/144 = 19.14 sqft (round up to 19.5) | 51.5"x53.5" /144 =19.14 sqft (round up to 19.5) |
| 4. Unit Price           | 19.5 sqft x \$20/sqft = \$390.00                | 19.5 sqft x\$20/sqft = \$312                    |
| 5. Surcharge            | - N/A                                           | - N/A                                           |
| Total Price             | \$390                                           | \$390                                           |

2. Inside Mount ShutterSMART shutter with 4-sided Z frame. The opening measures 48.5" x 52"

|                         | Window Size                                | Frame Size |
|-------------------------|--------------------------------------------|------------|
| 1. Measure opening size | 48.5" width x 52" height                   | N/A        |
| 2. Make frame additions | 48.5" W + 1.5" x 52"H + 1.5"               | N/A        |
| 3. Pricing Sqft         | 50"x53.5"/144 = 18.6 sqft (round up to 19) | N/A        |
| 4. Unit Price           | 19 sqft x \$20sqft = \$266                 | N/A        |
| 5. Surcharge            | - N/A                                      | N/A        |
| Total Price             | \$380                                      | N/A        |



# MEASURING

## Important Guidelines

1. Use a steel measuring tape and measure to the closest 1/8"
2. Measure every opening separately even if they appear to be the same.
3. Windows next to each other should be ordered the same height to have the same louver/rail count.  
For windows next to each other pick largest height for outside mount and smallest height for inside mount. Note: Side by side on the order for those lines.

**Note:** for training videos on measuring and design, go to [www.shuttersmart.com](http://www.shuttersmart.com) dealer login section.

## Two Measuring Methods

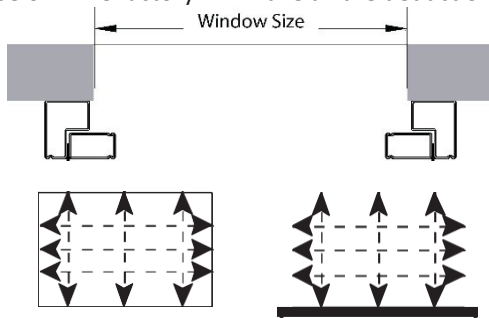
There are 2 methods for measuring windows:

1. **Window Size Measuring** for inside and outside mounts
2. **Frame Size Measuring** for outside mounts or to match/cover molding with Z frames

### I. Window Size Measuring

The factory makes all the frame additions & deductions.  
Ensure proper mounting clearances.

Used for both inside and outside mount, the window size measures both the width and height of the window from the inside of the opening as shown below. The factory will make all the deductions or additions for any frame you select.



#### Outside Mount

Measure width & height in 3 places and record the largest measurement. The table below shows the frame additions the factory will make to the window size.

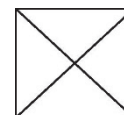
Clearance - Ensure that there is proper clearance on all 4 sides of opening to accommodate the frame.

| Factory Frame Additions for Outside Mounts |     |                              |       |
|--------------------------------------------|-----|------------------------------|-------|
| ShutterSMART & AllView PLUS                |     | MiraMonte, Miramonte Premier |       |
| Standard L Frame                           | +4" | Standard L Frame             | +2.5" |
| Designer Frame                             | +5" | Designer Frame               | +4.5" |
| Hanging Strip                              | +3" | Hanging Strip                | +3.5" |
| Extended Frm, Track                        | +4" | Extended Frame               | +4"   |

**Note:** Height additions on all Sill, Door or 3 sided situations will be ½ of the above addition.

**Inside Mount** Measure width & height in 3 places and record the smallest measurement. The table below shows the deductions the factory will make to the window size.

Clearance - Ensure that there is proper clearance inside of window jamb to accommodate the frame.



For Inside Mounts:  
Check window for squareness by measuring diagonally.  
If diagonals differ by upto:  
1/2", use Z frame  
1/2" to 1", use Trim or Deco Z Frame  
Over 1", use Outside mount

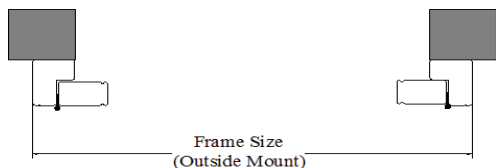
| Factory Frame Deductions for Inside Mounts               |              |
|----------------------------------------------------------|--------------|
| ShutterSMART AllView PLUS, MiraMonte & Miramonte Premier |              |
| Z, Trim, Flat Z, & Elegance Frames                       | -1/4" total  |
| Standard L Frame                                         | -3/16" total |
| Hanging Strip                                            | -3/16" total |

## II. Frame Size Measuring

The factory makes no additions or deductions to this size.

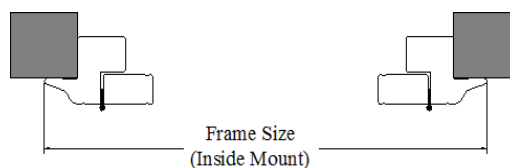
Ensure proper mounting clearances.

Frame size measures both the width and height of the shutter including the frames. This can be used for outside or inside mounts where the frame tip to tip measurements are known. These are typical for special situations like lack of proper clearances or windows with molding.



### Outside Mount

Measure width & height in 3 places and record the largest size. Make sure to include the Frame Additions from the table above.



### Inside Mount

Measure width & height in 3 places and record the smallest size. Make sure to consider the proper Z Frame overlap dimensions.

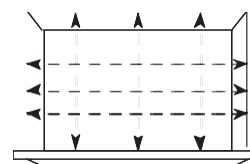
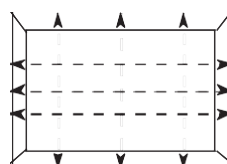
## 3 Outside Mount Situations That Require Frame Size Ordering

**1. Windows With Lack of Proper Clearance:** Order by frame size whenever there is lack of proper clearances around window. Our standard factory additions will not work in these situations.



**2. Mounting on Molding:** Make sure there is a wide and flat area on molding for shutter frame to sit on.

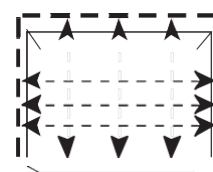
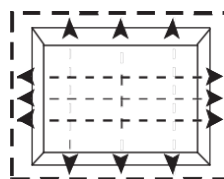
The clearance area required on molding is shown in the table below:



**Minimum Molding Size for Mounting On Molding**

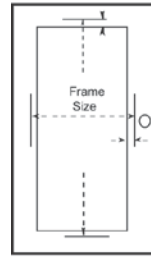
| ShutterSMART & AllView PLUS |      | MiraMonte & MM Premier |      |
|-----------------------------|------|------------------------|------|
| Standard L Frame            | 1 ¾" | Standard L Frame       | 1 ¼" |
| Designer Frame              | 2 ½" | Designer Frame         | 2"   |
| Hanging Strip               | 1 ¼" | Hanging Strip          | 1 ½" |

**3. Mounting Beyond Molding:** Make sure your size includes a frame overlap beyond molding as indicated in Frame Additions chart above.

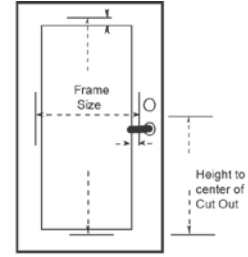


## Specialty Situations

**French Doors:** In the case of a French door, measure the frame size. This must include a 1 1/8" or 1 3/4" flat area around window to mount the Slimline Frame or Standard Frame, respectively. Make sure there is room between the door handle and glass to mount the frame. French Door Cut Outs are available in ShutterSmart, MiraMonte and MiraMonte Premier. For French Door Cut Outs specify the shape, the height to the center of the cut out and the size of the cut out. For French doors with a molding around the glass, you can either measure to mount on the molding or to do a build out around the molding use a French door standard frame. **NOTE:** Order all French doors within view of each other the same height.



French Door

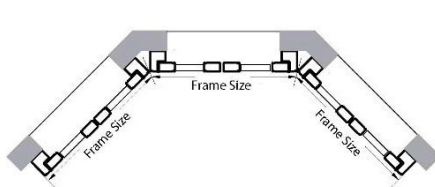


French Door Cut Out

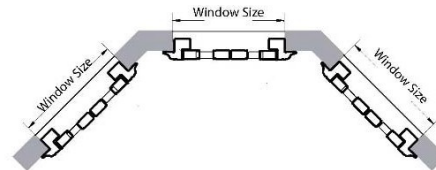
- Special Shape Available: Oval, Rectangle.

**Bay Windows:** In the case of bay windows, follow the guidelines below to measure.

| Mount Type    | Measurement Method      | Note                                                                                                                                       |
|---------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Outside Mount | Frame Size (tip to tip) | Record frame size of each shutter. Use 3 pieces of frame to create an imaginary line in front of opening where the frames will be mounted. |
| Inside Mount  | Window Size             | Record window sizes BUT make sure Z overlap lips will not hit each other.                                                                  |
|               | Frame Size (tip to tip) | Record frame tip to tip sizes from outer edge of Z frames.                                                                                 |



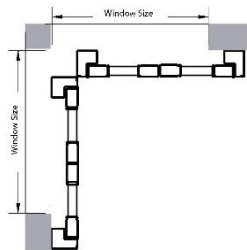
Outside Mount Bay Window



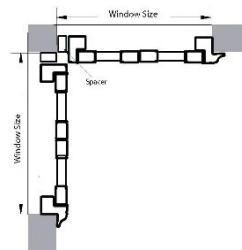
Inside Mount Bay Window

**Corner Windows:** When 2 windows meet in a corner, the shutter pair is considered to be a corner group.

| Mount Type    | Measurement Method | Note                                                                                                                                                                                                                                                                                            |
|---------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outside Mount | Window Size        | Specify Corner Group Left or Right shutter on the order form. When installing an outside mount corner unit, the corner frames are attached to the top and bottom of window opening only. Alternatively, you can also order extra frames to mount behind corner frames for ease of installation. |
| Inside Mount  | Window Size        | Specify Corner Group Left or Right shutter on the order form. Factory will make Deductions.                                                                                                                                                                                                     |



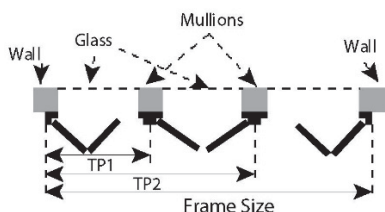
Outside Mount Corner Windows



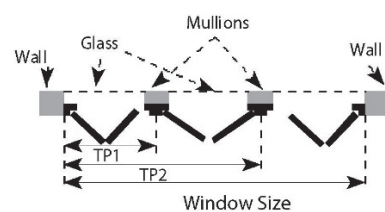
Inside Mount Corner Windows

**T-Post:** Typically used with wide windows or windows with breaks or mullions in the glass.

| Mount Type                       | Measurement Method | Note                                                                                                                                           |
|----------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Inside Mount<br>Or Outside Mount | Frame Size         | Measure the frame size and identify the T-post locations from the outer edge of the left frame to the center of each T-Post (TP1 & TP2).       |
| Inside Mount<br>Or Outside Mount | Window Size        | Measure the window size and identify the T-post locations from the inside edge of the window opening to the center of each T-Post (TP1 & TP2). |



Outside Mount T-Post Shutters



Inside Mount T-Post Shutters



## DESIGNING SHUTTERS

Designing the perfect shutter is easy. Just follow the 6 steps below.

1. Choose Shutter Type
2. Select Mounting Option
3. Choose Frame Type
4. Check Louver Clearance
5. Choose Number of Frame Sides
6. Panel Configuration

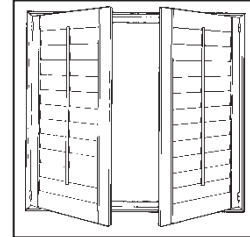


## I. Shutter Types

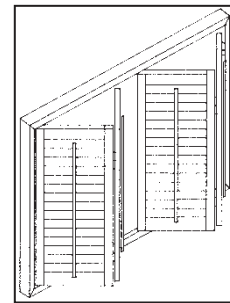
### 1. Standard Folding Shutters

Standard Folding Shutters are used in 90% of all applications and are available in ShutterSMART Thermacore, ShutterSMART SolidCore, AllView PLUS, MiraMonte and MiraMonte Premier.

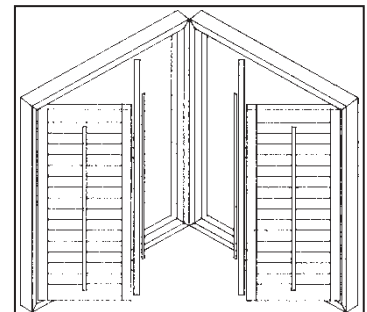
- **Single Panel** - 1 panel can be attached to each or any frame leg.



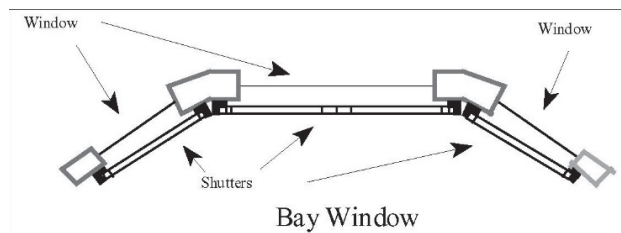
- **Bi Fold Panels** – Up to 4 panels can be mounted on each or any frame leg.



- **Corner Groups** - In the case of two windows meeting in a corner the standard folding shutters should open away from the corner.

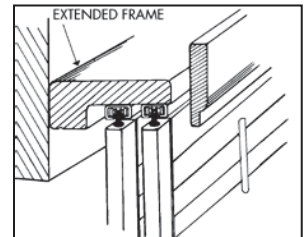
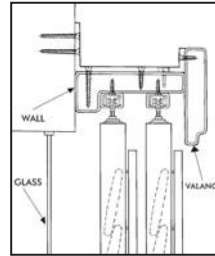
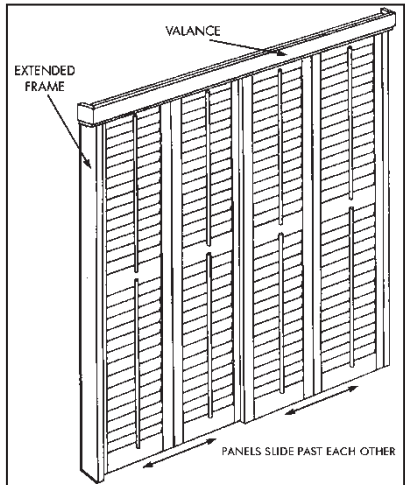


- **Bay Windows** - In the case of a Bay window where the shutters can be mounted outside the opening. Following is a diagram of how standard folding shutters are mounted. Use a single or bi fold panel design.



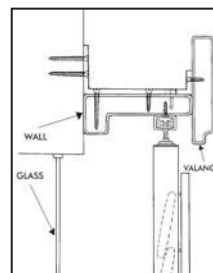
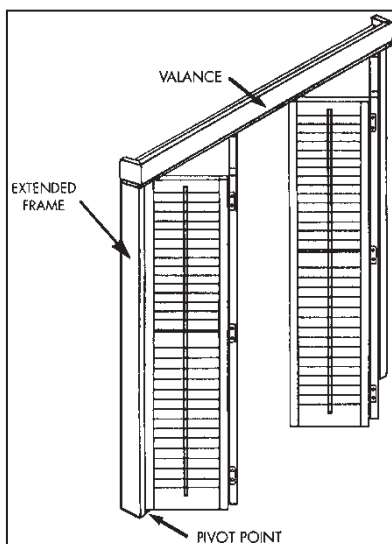
## 2. Bypass Sliding Shutters

Bypass sliding shutters are the perfect shutter for sliding glass doors. The Panels require no space in front to swing outward. The **Bypass w/ Bottom Track** slider adds a bottom track to the Bypass Slider to guide panels. Bypass shutters are available in ShutterSmart, ShutterSmart SolidCore, AllView PLUS, MiraMonte and MiraMonte Premier. ShutterSMART also offers a **Double Bypass** open louver shutter that allows a full view when the panels and louvers are in the open position. The Double Bypass is only available with 3", 2 ½" and 3 ½" louvers.



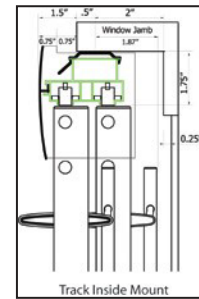
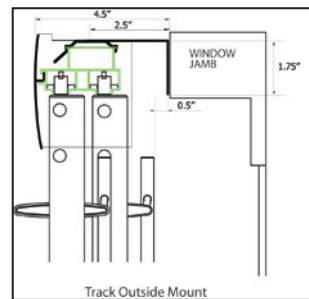
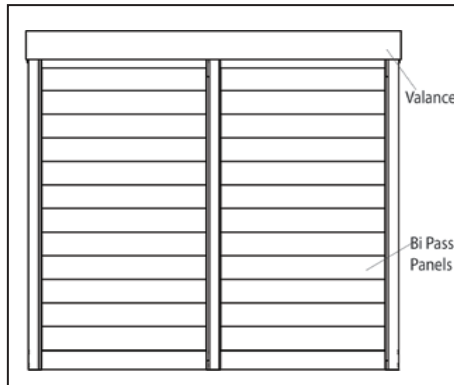
## 3. Bi Fold Sliding Shutters

Most commonly used for sliding glass doors, the panels on the Bi fold track system are guided by pivots in an overhead track. The outer panels are attached on pivots. The track gives additional support for large panels and offers a smooth operation. The Bi Fold Sliding shutter is available in ShutterSmart, MiraMonte and MiraMonte Premier.



## 4. Track Shutters

Track shutters are used for sliding glass doors, normal windows or windows where space in front of the shutter is not enough for the panels to swing open. Our patent pending slim track design allows for inside mounting in most windows a wood blind would fit in. When covering sliding glass doors, the Track shutter eliminates the slider surcharge saving consumers hundreds of dollars on each slider. The Track system is easy to install, snapping into conventional blind L brackets with clips and is covered with a valance. **There are no side frames.** The Track Shutter is available only in AllView PLUS Shutter as all other shutters are too heavy for this design.



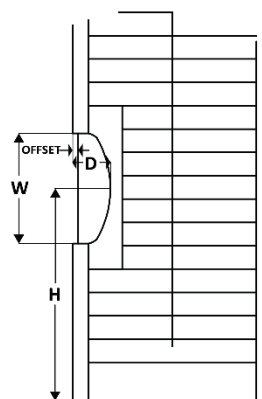
## 5. French Doors

The French Door Shutter is a panel mounted in front of a Slimline frame or mounted in a Standard frame.

A minimum of 1 1/8" or 1 3/4" of flat space is required between the edge of the glass and the knob/lever hardware to accommodate the Slimline frame or the Standard frame, respectively. Otherwise, the frame will protrude slightly into the window opening when mounted. For doors with projecting handles, we offer the French Door Cut Out in ShutterSMART, MiraMonte and MiraMonte Premier. Cut outs come in Oval or Rectangular shapes in 10", 12" or 14" heights. Standard French Door Cut Outs are designed for a 3.5" handle.

Larger handles require a custom cutout. Additional charges will apply.

**Note:** French door panels are limited to a maximum width of 30". French Door cutout has a 6" gap between the cutout and the adjacent louvers on the top/bottom.



### Oval Cutout

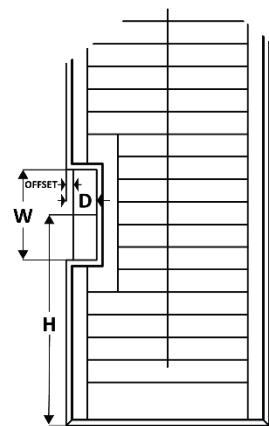
Slimline & Standard L Frames

Cutout Depth **D** = 4 7/8"

Cutout Size **W** 10" ☐ 12" ☐ 14" ☐

Cutout Center Height **H** = \_\_\_\_\_

3/4" Optional Offset ☐



### Rectangle Cutout

Standard L Frames Only

Cutout Depth **D** = 4 7/8"

Cutout Size **W** 10" ☐ 14" ☐

Cutout Center Height **H** = \_\_\_\_\_

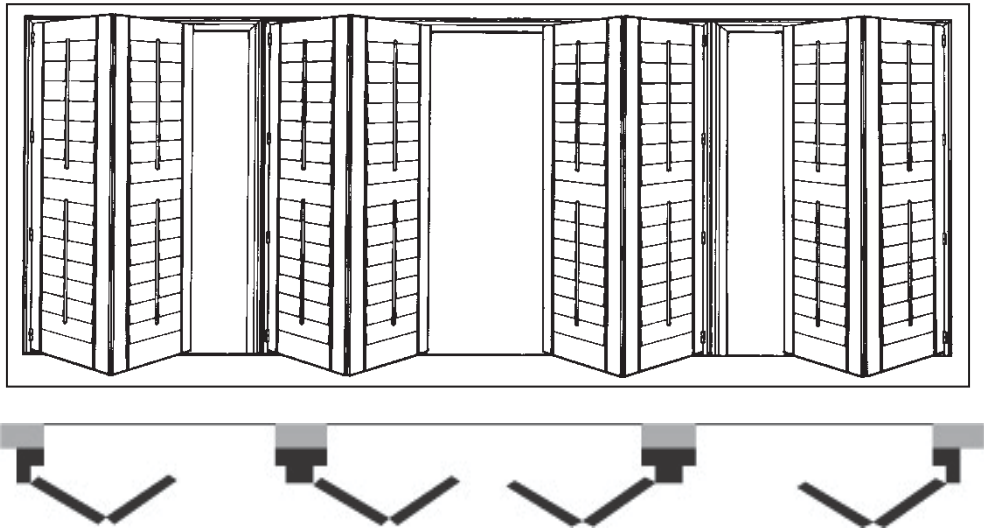
3/4" Optional Offset ☐

## 6. T-Post

A T-Post is used in two cases:

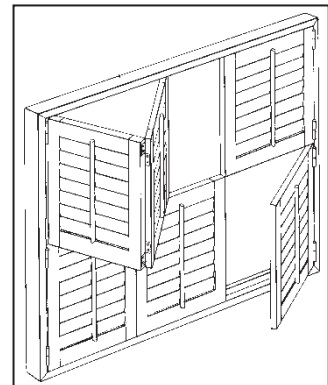
- 1) Wide Openings where a shutter must be wider than the maximum allowable shutter width.  
(refer to panel design section for maximum shutter widths)
- 2) A window with breaks where panels need to be hinged and opened in front of the breaks.

**Always measure from the far left of the Window to the middle of each t-post and provide that number on the order form**



## 7. Double Hung

A double hung shutter has two sets of panels hinged on top of each other that open independently. Double hungs can also be made with a Horizontal T-Post, a surcharge applies.



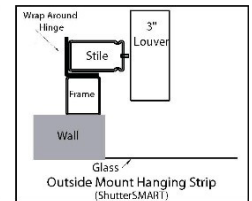
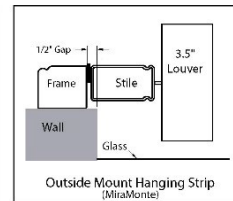
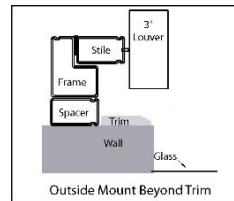
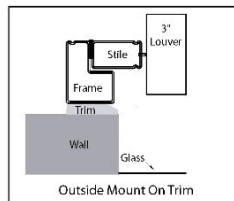
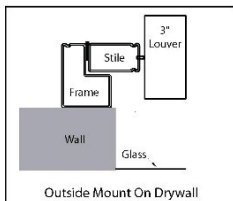
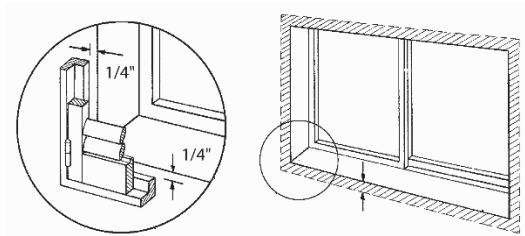
## II. Mounting Option

### 1. Outside Mount

Outside mounts are very popular and highly recommended as they do not close up the window, increase the light coming in and increase the view.

There are 3 mounting options:

- **Mounting on Drywall**- The Shutter frame is mounted on the wall area surrounding the opening. There must be a flat wall area wide enough to accommodate the frame.
- **Mounting on Molding/Trim**- The shutter frame can be mounted on the trim if the trim is flat enough so that the frame can sit on it.
- **Mounting Beyond Molding**- The shutter frame can also be mounted on the outside of the trim with a frame spacer or an extended Frame. Alternatively, the trim can be removed, and the shutter mounted in its place.



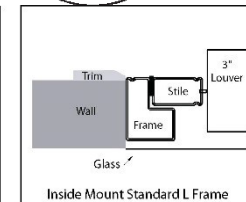
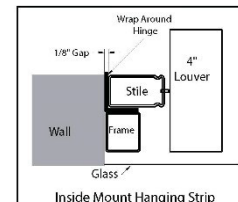
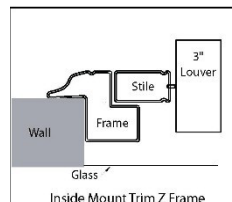
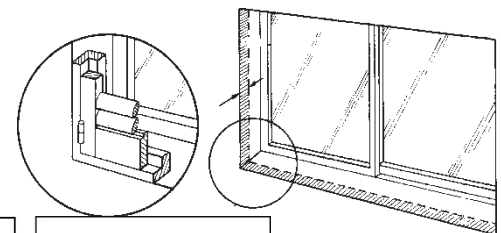
When mounting outside, make sure there is enough clearance around the opening for your choice of frame.

| Required Clearances around opening for mounting of frame |                         |                       |                   |
|----------------------------------------------------------|-------------------------|-----------------------|-------------------|
| ShutterSMART & AllView PLUS Frames                       | Standard L Frame 2"     | Designer Frame 2 1/2" | Hang Strip 1 1/2" |
| MiraMonte & MiraMonte Premier Frames                     | Standard L Frame 1 1/2" | Designer Frame 2 1/4" | Hang Strip 1 1/2" |

### 2. Inside Mount

For Inside mounts there must be enough depth for the frame to sit inside of the window jambs.

Z frames are highly recommended for all inside mounts. They eliminate problems associated with out of square windows and the need for caulking. Standard Frames and hanging strips should only be used in the case of a window with a molding/trim border around it.



| Required Depth for frames – ADD <u>louver clearances</u> indicated on next page |                |                                |                              |
|---------------------------------------------------------------------------------|----------------|--------------------------------|------------------------------|
| ShutterSMART & AllView PLUS Frames                                              | Z Frame 1 1/2" | Trim Z / Elegance Frame 1 3/8" | Std L Frm/ Hang Strip 2 1/4" |
| MiraMonte & MiraMonte Premier Frames                                            | Z Frame 1 1/4" | Deco Z / Elegance Frame 1 3/8" | Std L Frm/ Hang Strip 2 1/4" |



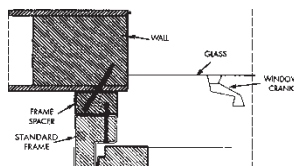
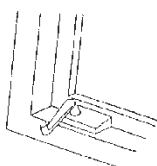
### III. Frame Choices

The product summary section of this manual covers the choices of frames available for inside and outside mount. Following is a list of all the frames available with each mounting option:

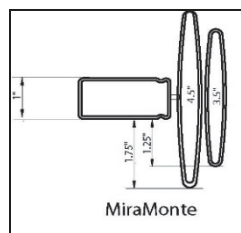
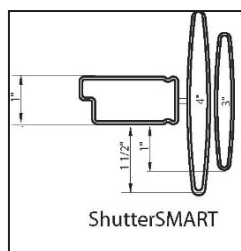
| Situation                                                                                       | ShutterSMART & AllView PLUS Frames                                 | MiraMonte & MiraMonte Premier Frames                             |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------|
| Outside Mount                                                                                   | Standard L Frm, Designer Frm, Hang Strip, Extended Frm, Flat St    | Standard L Frm, Designer Frm, Hang Strip, Extended Frm / Flat St |
| Inside Mount                                                                                    | Z, Trim Z, Elegance Z, Hang Strip, Standard L Frm, Flat St, Flat Z | Z, Deco Z, Elegance Z, Std L Frm, Hang Strip, Flat Z             |
| Sill Bottom Window                                                                              | All Frames available with Sill bottom                              | All Frames available with Sill bottom                            |
| Sliders                                                                                         | Extended Frm                                                       | Extended Frm                                                     |
| French Doors                                                                                    | Slimline Frm, Standard Frm Standard Extended Frm, Flat Standard    | Slimline Frm, Standard Frm Standard Extended Frm, Flat Standard  |
| T-Post Situations                                                                               | All Frames                                                         | All Frames                                                       |
| Molding around window, Protrusions, handles, and cranks may require the use of Frame Extensions | Frame Spacer (1"), Extended Frm (2")                               | Frame Spacer (1"), Extended Frm (2")                             |

### IV. Louver Clearances

After selecting mount and frame type, always check for obstructions and protrusions that may interfere with the louver operation. Check the projection of the louver behind the mounting frame. Usually windows are recessed into the opening so a small projection on an outside mount or inside mount does not create a problem. If additional clearance is needed, a 1" frame spacer is available.



The diagrams and tables below show louver projections.

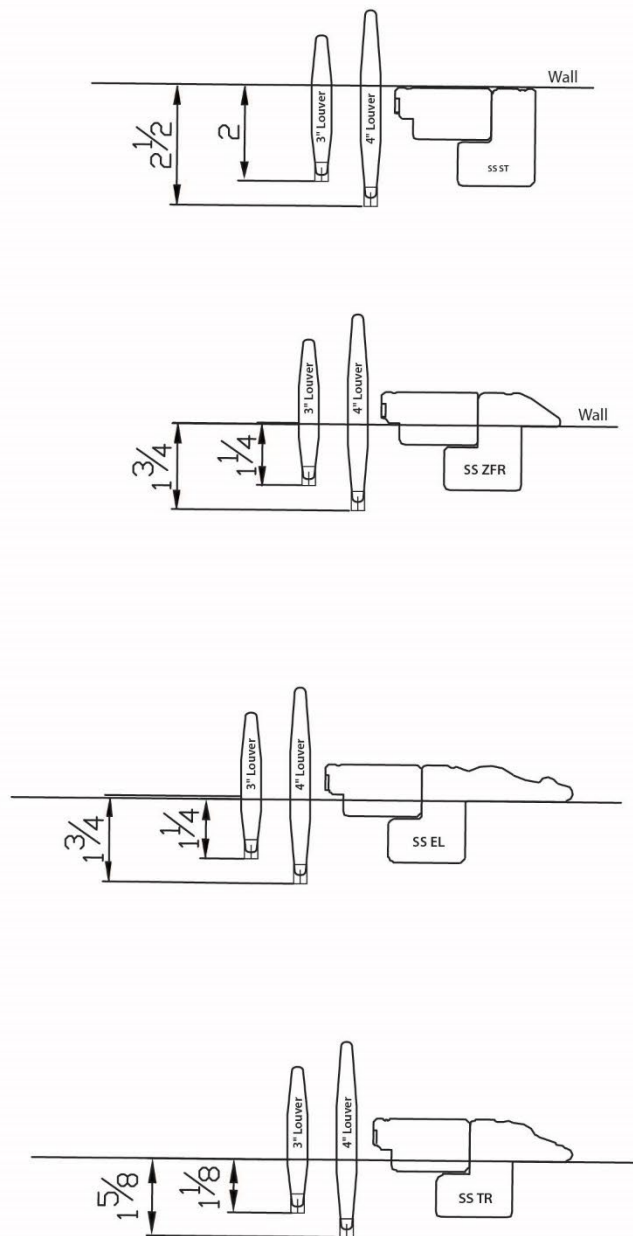


| Amount ShutterSMART & AllView PLUS Louvers Project Beyond Frames |                     |           |               |
|------------------------------------------------------------------|---------------------|-----------|---------------|
|                                                                  | 3" or 3 1/2" Louver | 4" Louver | 4 1/2" Louver |
| Std, Z, Trim Z Frames, Elegance                                  | -                   | 1/4"      | 1/2"          |
| Designer Frame                                                   | -                   | 1/2"      | 3/4"          |
| Hanging Strip (in & out mount)                                   | -                   | 1/4"      | 1/2"          |

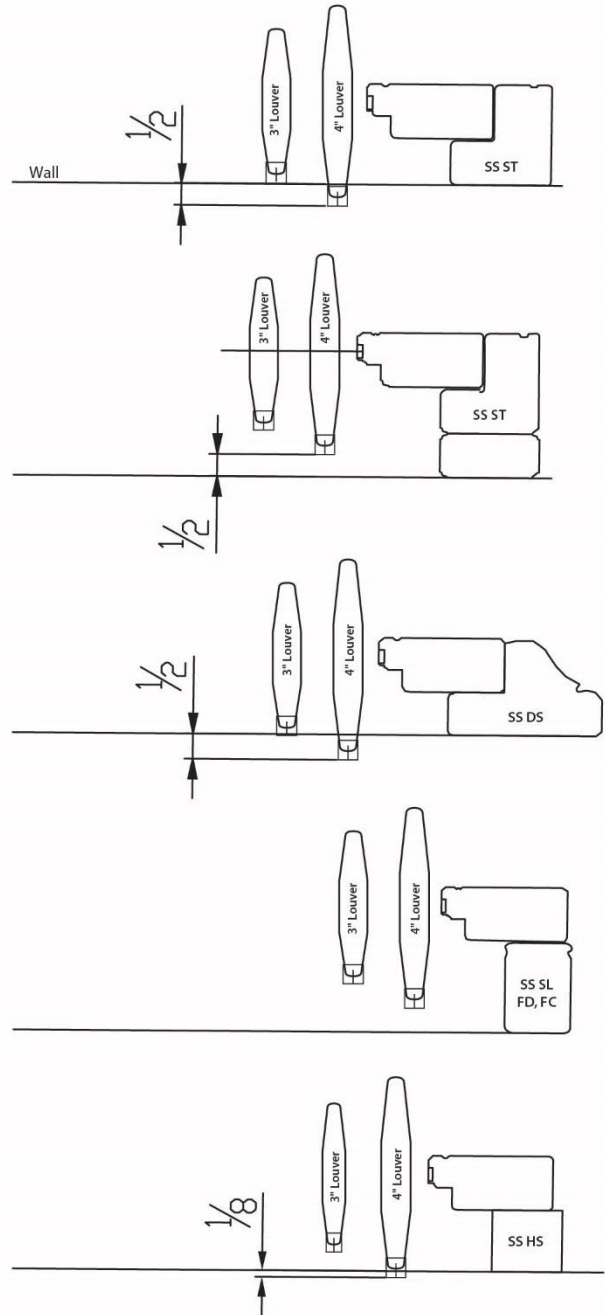
| Amount MiraMonte / MiraMonte Premier Louvers Project Beyond Frames |               |               |
|--------------------------------------------------------------------|---------------|---------------|
|                                                                    | 3 1/2" Louver | 4 1/2" Louver |
| L, Z, Designer, Deco Z, Elegance                                   | 1/2"          | 1"            |
| Hanging Strip (outside mount)                                      | 1 1/4"        | 1 3/4"        |
| Hanging Strip (inside mount)                                       | -             | 1/2"          |

**Note:** The back tilt (offset) option adds an extra 3/4" projection behind the panel. Rear FullView adds 1/4". Add this to the numbers in the tables above.

## Louver Projections for Hidden Tilt & AllView ( Window Depths Requirements )

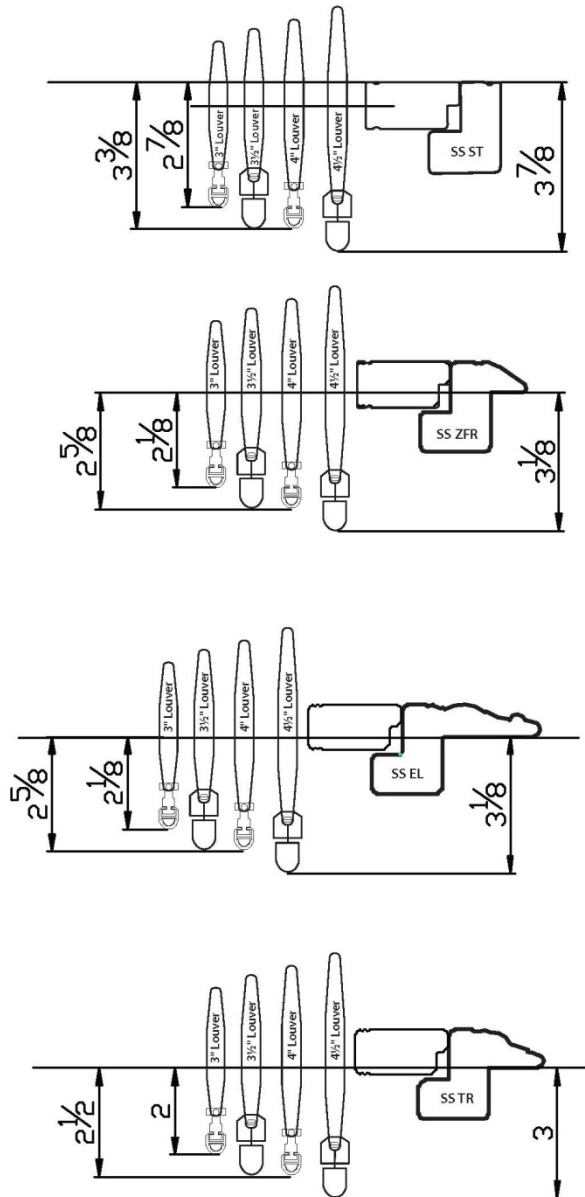


Inside Mount Frames

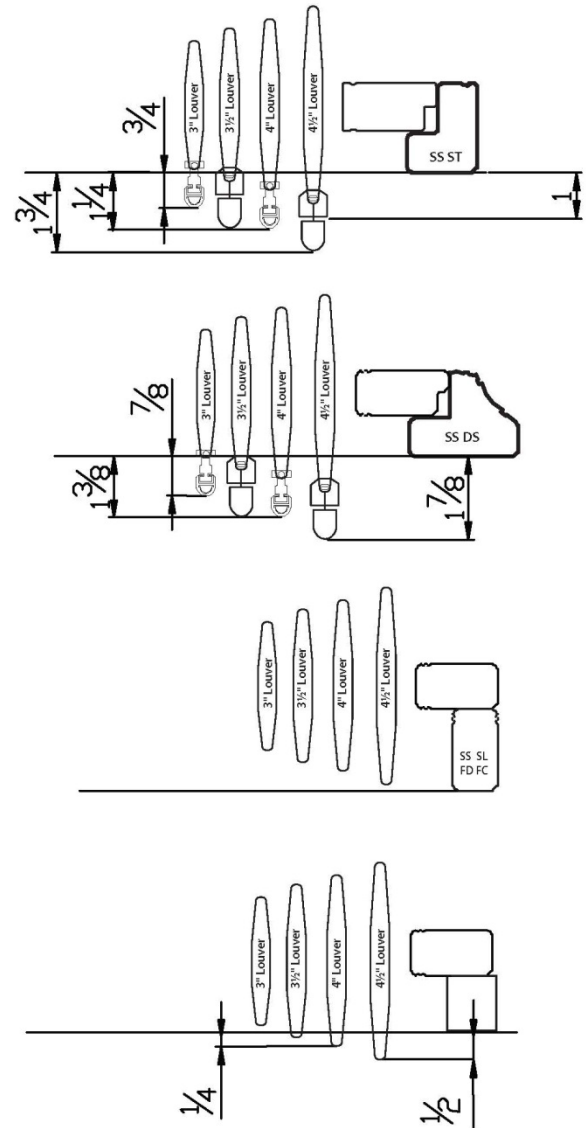


Outside Mount Frames

## Thermacore & Solidcore Louver Projections ( Window Depths Requirements )

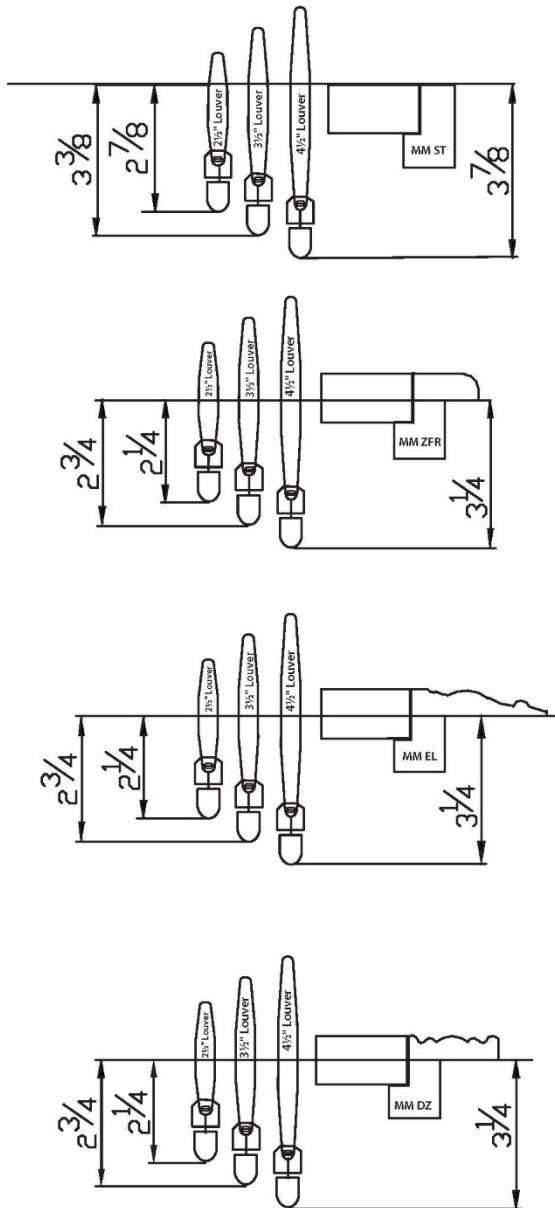


Inside Mount Frames

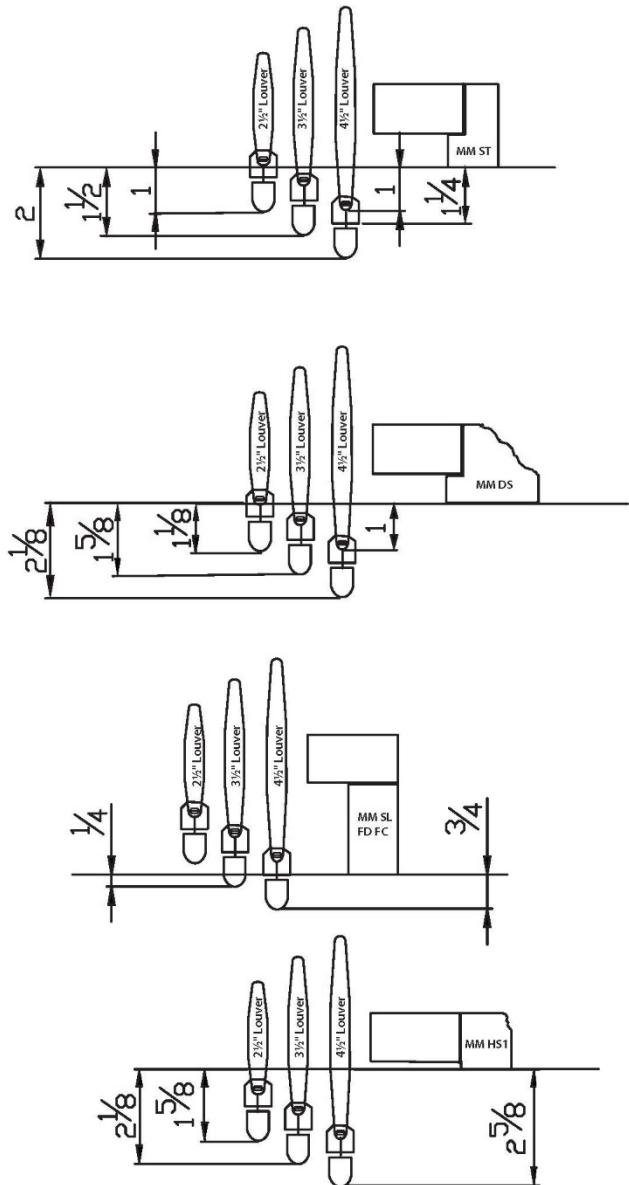


Outside Mount Frames

## Miramonte Louver Projections (Window Depths Requirements)



Inside Mount Frames



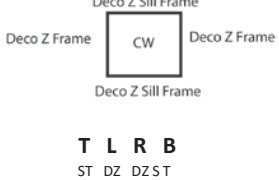
Outside Mount Frames



## V. Number of Frame Sides

Shutters can have frames on all 4 sides, on 3 sides, or on 2 sides. All our Z and Std Frames are interchangeable and can be mixed on any of the 4 frame sides of a shutter.

Following are our recommendations on each type of opening:

| Number of Frame Sides                                                       |                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mount Option                                                                | # of Frame Sides                                                                                                                                    | Description                                                                                                                                                                                                                                                                                                        |
| Outside or Inside                                                           | 4W                                                                 | 4-sided frame for window                                                                                                                                                                                                                                                                                           |
| Sill bottom, outside or inside Mount                                        | 4S                                                                 | 4-sided frame for window w/ a sill carries a flat sill frame on bottom                                                                                                                                                                                                                                             |
|                                                                             | 3W                                                                 | 3-sided frame - no bottom frame; light stop supplied                                                                                                                                                                                                                                                               |
| Crank on bottom inside mount *                                              | 3W                                                                 | 3-sided frame - no bottom frame; light stop supplied                                                                                                                                                                                                                                                               |
| Doors *                                                                     | 3D                                                                 | 3-sided frame with 3/4" bottom clearance for doors                                                                                                                                                                                                                                                                 |
| Café Style                                                                  | 2W                                                                | 2-sided frame for café style shutters used with Hanging Strips. We supply bottom/top light stops.                                                                                                                                                                                                                  |
| Sunburst Arches on top of shutter                                           | 4A                                                               | 4-sided frame with standard frame on top to accommodate a sunburst arch.                                                                                                                                                                                                                                           |
| Arches, Bay windows, Windows reaching ceilings, and other custom situations | <p>CW – Custom Window Config</p>  <p>T L R B<br/>ST DZ DZ ST</p> | <p>Custom frame configurations are available with all “L” and “Z” frames. You can request any “L” or “Z” frame on any side of the window. Flat Sill style frames can be used on any of the 4 sides.</p> <p>Please specify Top, Left, Right and Bottom frames on order form under “CW” in special instructions.</p> |

\* 3W & 3D SolidCore Non-Slider shutters with no bottom frame on large windows will sag. We do not recommend this frame choice on larger shutters and if ordered, warranty will be void.



## VI. Panel Design

When designing panels, you need to consider panel fold direction, size limitations and divider rail requirements. Following is an outline of the most commonly used shutter and panel configurations with their max and min limitations. It is best to design with an even number of panels except for small windows that may require single panels.

### Panel Specifications

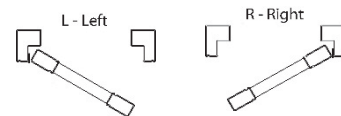
|                                       | Minimum | Maximum                      |
|---------------------------------------|---------|------------------------------|
| Panel Width – Single panel (inches)   |         |                              |
| ShutterSMART ThermaCore               | 8"      | 36"                          |
| ShutterSMART SolidCore                | 8"      | 34"                          |
| AllView PLUS                          | 8"      | 27"                          |
| MiraMonte                             | 8"      | 36"                          |
| Panel Width – Multiple panel (inches) |         |                              |
| ShutterSMART ThermaCore               | 8"      | 26"                          |
| ShutterSMART SolidCore                | 8"      | 24"                          |
| AllView PLUS                          | 8"      | 22"                          |
| Miramonte                             | 8"      | 26"                          |
| Panel Height (inches)                 | 16"     | Varies based on shutter type |

### Shutter Size Limitations

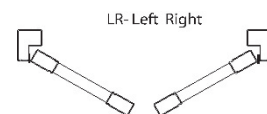
#### Standard Folding Shutters

##### Single Panel

|                         | Width       | Height       |
|-------------------------|-------------|--------------|
| ShutterSmart ThermaCore | 36" + Frame | 114" + Frame |
| ShutterSmart SolidCore  | 34" + Frame | 114" + Frame |
| AllView PLUS            | 34" + Frame | 100" + Frame |
| Miramonte/MM Premier    | 36" + Frame | 114" + Frame |

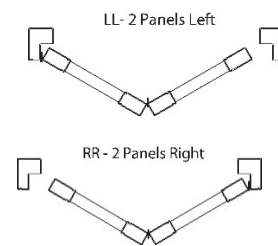


|                         | Width       | Height       |
|-------------------------|-------------|--------------|
| ShutterSmart ThermaCore | 72" + Frame | 114" + Frame |
| ShutterSmart Woodcore   | 68" + Frame | 114" + Frame |
| AllView PLUS            | 68" + Frame | 100" + Frame |
| Miramonte/MM Premier    | 72" + Frame | 114" + Frame |



#### Bi-Fold Panels

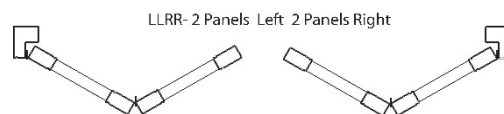
|                         | Width       | Height       |
|-------------------------|-------------|--------------|
| ShutterSmart ThermaCore | 52" + Frame | 114" + Frame |
| ShutterSmart SolidCore  | 48" + Frame | 96" + Frame  |
| AllViewPLUS             | 50" + Frame | 84" + Frame  |
| Miramonte/MM Premier    | 52" + Frame | 114" + Frame |





## Bi-Fold Panels (cont.)

|                         | Width          | Height       |
|-------------------------|----------------|--------------|
| ShutterSmart ThermaCore | 104" + Frame   | 114" + Frame |
| ShutterSmart SolidCore  | 96" + Frame    | 114" + Frame |
| AllView PLUS            | 100" * + Frame | 72" + Frame  |
| Miramonte/MM Premier    | 104" + Frame   | 114" + Frame |

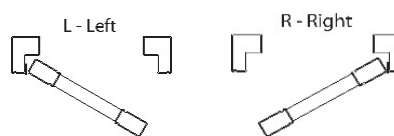


*\*On AllView PLUS, we recommend using T-Posts on bifold panels wider than 96".*

## French Door Shutter

*Available in slimline or standard frames. Sizes below for Slimline frame.*

|                         | Width       | Height       |
|-------------------------|-------------|--------------|
| ShutterSmart ThermaCore | 30" + Frame | 114" + Frame |
| ShutterSmart SolidCore  | 30" + Frame | 114" + Frame |
| AllView PLUS            | 30" + Frame | 100" + Frame |
| Miramonte/MM Premier    | 30" + Frame | 114" + Frame |

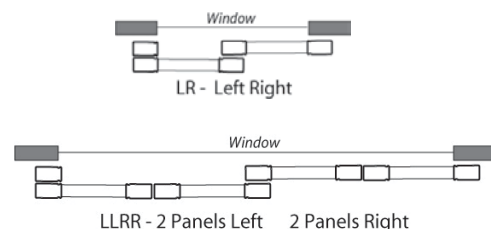


## Track Shutters

|                            | Panel Width | Width     | Height       |
|----------------------------|-------------|-----------|--------------|
| AllView PLUS (4 panels)    | 34"         | 112"      | 100" + Frame |
| AllView PLUS (more panels) | 34"         | unlimited | 100" + Frame |

*Track Shutters do not have side frames and will overlap wall.*

*Track Shutters over 72" require split tilter or divider rail.*



## Bypass Sliding Shutters

|                         | Panel Width | Shutter Width | Height       |
|-------------------------|-------------|---------------|--------------|
| ShutterSmart ThermaCore | 36"         | Unlimited*    | 114" + Frame |
| ShutterSmart SolidCore  | 34"         | Unlimited*    | 114" + Frame |
| AllView PLUS            | 34"         | Unlimited*    | 100" + Frame |
| Miramonte/MM Premier    | 36"         | Unlimited*    | 114" + Frame |



*\*On sliders beyond 142" wide, the top frame is spliced.*

**T-Post Shutters** – Used for wider windows. Draw panel fold direction in the T-Post diagram on the bottom of order form OR call out the panel configuration like LTLRTR or LRTLRL.



## Divider Rails

The use of Dividing Rails makes the shutter stronger and allows more convenient light control. Following are the guidelines.

| Divider Rail Requirements |              |              |                                |                     |
|---------------------------|--------------|--------------|--------------------------------|---------------------|
|                           | ShutterSMART | AllView PLUS | MiraMonte<br>Miramonte Premier | # of Dividing Rails |
| Panel Height              | Over 72"     | Over 66" *   | Over 84"                       | 1 rail required     |
|                           | Over 96"     | Over 84" *   | Over 102"                      | 2 rails required    |

If you specify a dividing rail, we will automatically place it to evenly separate the panel. If you want a custom position, this can be specified by measuring from the bottom of the shutter to the midpoint of the rail.

\*AllView PLUS Track Shutters over 62" require either a split tilter or a divider rail.

**NOTE:** There is a tolerance on the position of the rails:

|                           |                                                                               |
|---------------------------|-------------------------------------------------------------------------------|
| ShutterSMART/AllView PLUS | 3" Louver Panels- rail position may vary up to 1 ¼" from specified position   |
|                           | 4" Louver Panels- rail position may vary up to 1 ¾" from specified position   |
|                           | 3 ½" Louver Panels- rail position may vary up to 1 ½" from specified position |
|                           | 4 ½" Louver Panels- rail position may vary up to 2" from specified position   |
| MiraMonte<br>MM Premier   | 2 ½" Louver Panels- rail position may vary up to 1" from specified position   |
|                           | 3 ½" Louver Panels- rail position may vary up to 1 ½" from specified position |
|                           | 4 ½" Louver Panels- rail position may vary up to 2" from specified position   |

## Split Tilters

The use of Split Tilters allows more convenient light control. When you specify a Split Tilter, they are automatically split to evenly separate the panel. If you want a custom position, this can be specified by measuring from the bottom of the Shutter to the midpoint of the louver. **NOTE:** Similar to divider rails, the position of the Split Tilter may vary up to 1 3/4" from specified position.

## Panel Tilt Options

Shutters are available with three tilt rod options

**Front Tilt** – The tilt rod is placed in the front of the shutter available in all shutters

**Back Tilt** – The tilt rod is placed in the rear hinge side of the shutter available in all shutters

**Rear FullView (SmartView)** – The tilt bar is placed in the rear side of the shutter at the edge of the louvers and nests into the stile body. It gives a full view through the shutters unhindered by a tilt rod. The **SmartView** patented technology is available in ShutterSMART and AllView PLUS. Rear FullView is also available in MiraMonte and MiraMonte Premier.

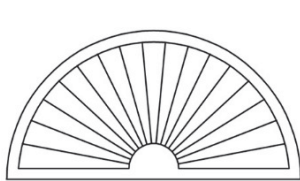
## ARCHES

Arches are available for ShutterSMART, Miramonte All Sunburst Arches, except custom shapes, ship in 6\* weeks. Arch top shutters ship in about 6-8 weeks. Maximum width on all arches is 96" frame tip to tip. Larger windows require 2 or more arches abutted to each other. The minimum width or height is 18" frame tip to tip. Maximum Height is 48" frame tip to tip.

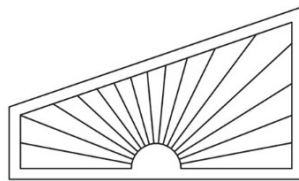
### Sunburst Arches

#### Custom Frame Operable Arches

These operable and semi operable arches come in frames and colors that coordinate with the shutter frame and color. Note that frames and colors are not identical to shutter frame and Color but are a coordinated match that will "look" close. Differences are due to medium density fiberboard construction materials used. These arches are available in 6-8 weeks in Half circle, Eyebrow and Elongated shapes. These arches are not available in Miramonte Stained Wood shutters.



Sunburst Half Circle



Rake Sunburst



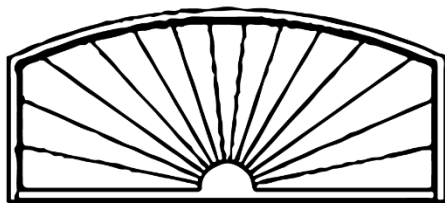
Eyebrow Sunburst



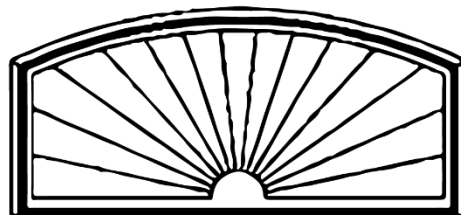
Elongated Sunburst

#### Custom Frame Operable Arches with Separate Frame

Sunbursts are available with separate stand-alone frames that are hinged to the panel on the bottom. These arches take about 6\* weeks. These designs require a template or a detailed drawing. A comparison of the Sunburst arch with and without frame is shown below. Sunbursts with separate frames carry an extra surcharge in addition to the normal sunburst arch surcharge.



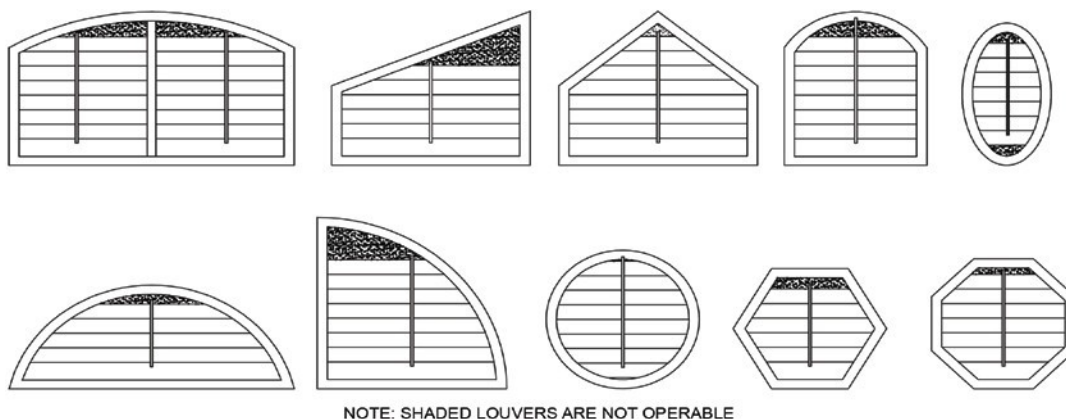
SUNBURST ARCH



SUNBURST ARCH WITH SEPARATE FRAME



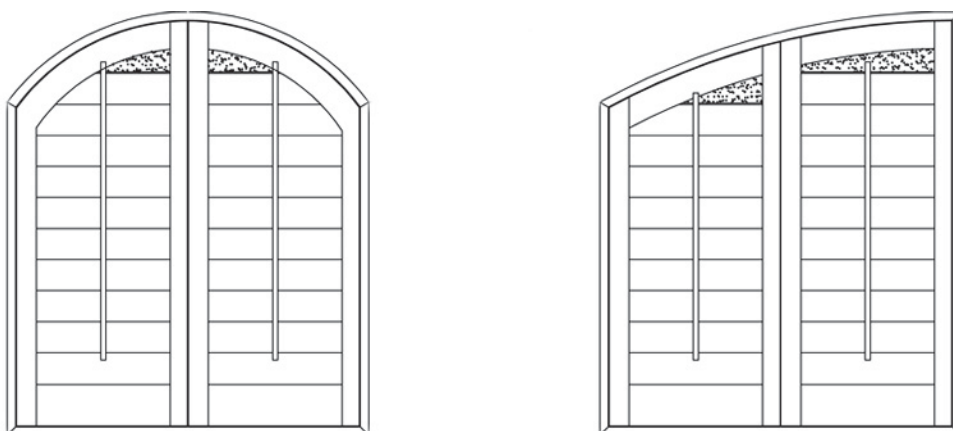
**Other Custom Shapes** – Other custom shapes are also available. These arches take about 6-8\* weeks. These designs require a template or a detailed drawing. The most common custom shapes are shown below. Tilt options of front or rear available. These custom shapes are also available with separate frames that are hinged to the panel. Maximum width on all arches is 96" frame tip to tip. Larger windows require 2 or more arches abutted to each other. The minimum width or height is 18" frame tip to tip. Maximum Height is 48". Note that in all custom shapes, louvers only open to a 90-degree angle.



## Arch Top Shutters

### Arch Top Shutters

The arch top shutter has an arch built into the shutter panel(s). Louvers are operable and this shutter is available in all frames except the extended frame. *The contour of the arch frame meets the side frame legs with a small decorative sill plate.* Note that the arch part of the panel and frames is built with wood and engineered wood and color matched with the shutter. Arch top panels take about 6\* weeks to produce. This arch carries a surcharge. Note that in all arch tops, louvers only open to a 90-degree angle.



\*all lead times are approximates, estimated ship dates are confirmed on sales order confirmations and may vary

# Measuring Arches

## Sunburst Arches -

Sunburst arches face mount around the window opening. Sunburst arches have a separate order form that should be used when ordering. There are two ways to measure for these arches.

### Two Measuring Methods

There are 2 methods for measuring arch windows:

1. Window Size Measuring
2. Frame Size Measuring

#### I. Window Size Measuring

The factory makes all the arch frame additions around opening.  
Ensure proper mounting clearances.

The window size measures both the width and height of the window from the inside of the opening as shown below. All arches are face mounted around the opening and the factory will make the appropriate additions to the opening size based on the frame type selected.



The table below shows the frame additions the factory will make to the window size.

| Factory Frame Additions for Arches    |       |                                  |       |
|---------------------------------------|-------|----------------------------------|-------|
| ShutterSMART                          |       | MiraMonte & MM Premier           |       |
| Standard L Frame (Outside Mount only) | +4"   | Standard L. (Outside Mount only) | +2 ½" |
| Designer Frame (Outside Mount only)   | +5"   | Designer (Outside Mount only)    | +4 ¼" |
| Z Frame                               | +7/8" | Z Frame                          | +1 ¼" |
| Trim Z Frame                          | +2 ¼" | Deco Z Frame                     | +2 ¼" |
| Elegance Z Frame                      | +4 ¼" | Elegance Z Frame                 | +4 ¼" |

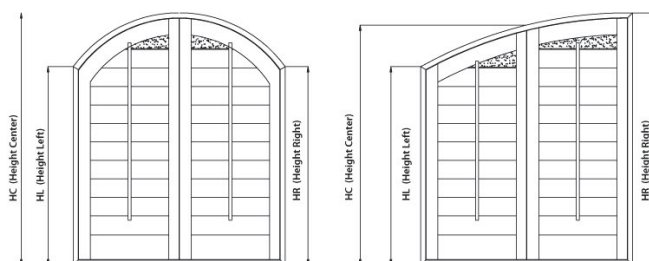
#### II. Frame Size Measuring

The factory makes no additions to this frame tip to tip size.  
Ensure proper mounting clearances.

Frame size measures both the width and height of the shutter from frame tip to tip. This is used only when the arch frame size needs to be different than the standard factory additions and requires a match to a frame size shutter measurement.



**Arch Top Shutters-** Arch top shutters are ordered on the shutter order form. Mark "AR" under shutter type and design the shutter. Measure as you would a normal shutter. Then draw a schematic of the arch top shutter and note the specific required heights (H1, H2 and H) under the special instructions section of the order form.



# INSTALLATION

**Installation** - Installing Shutters is easy. The most important part of installation is designing and measuring the shutters properly. Follow the instructions below for a fast and easy install.

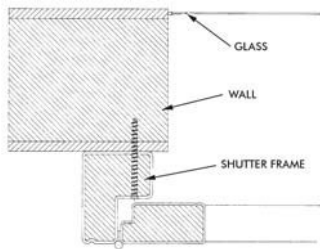
**Note:** for training videos on installation, go to [www.shuttersmart.com](http://www.shuttersmart.com) and login to the dealer section

**Tools required** - Power Drill - Counter Sink Drill - Bit Set #8 - #2 Phillips Bit - Level

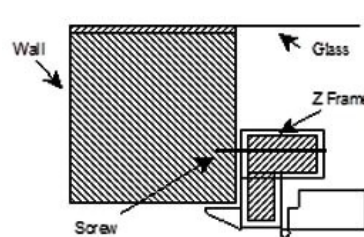
**What's Included** - Shutters come pre hinged and pre framed from the factory to ensure perfect operation.

## 2 Mounting Options -

### Outside Mount



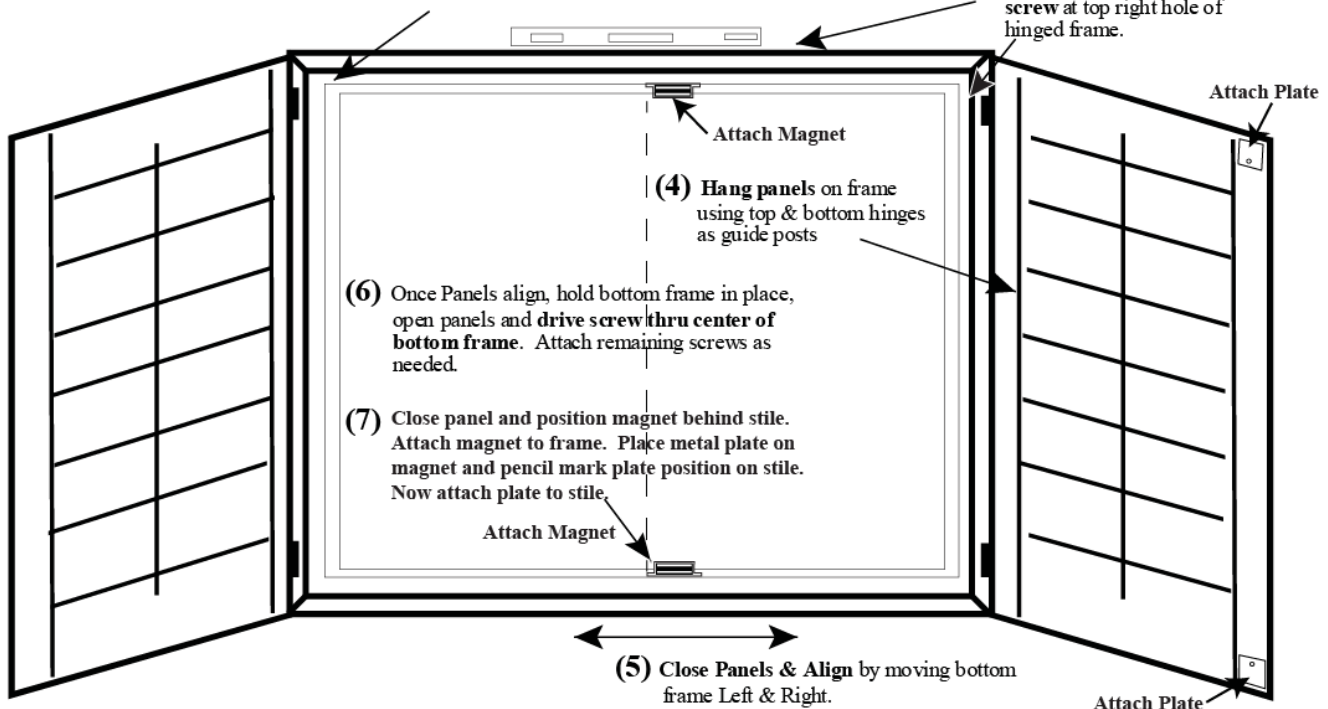
### Inside Mount



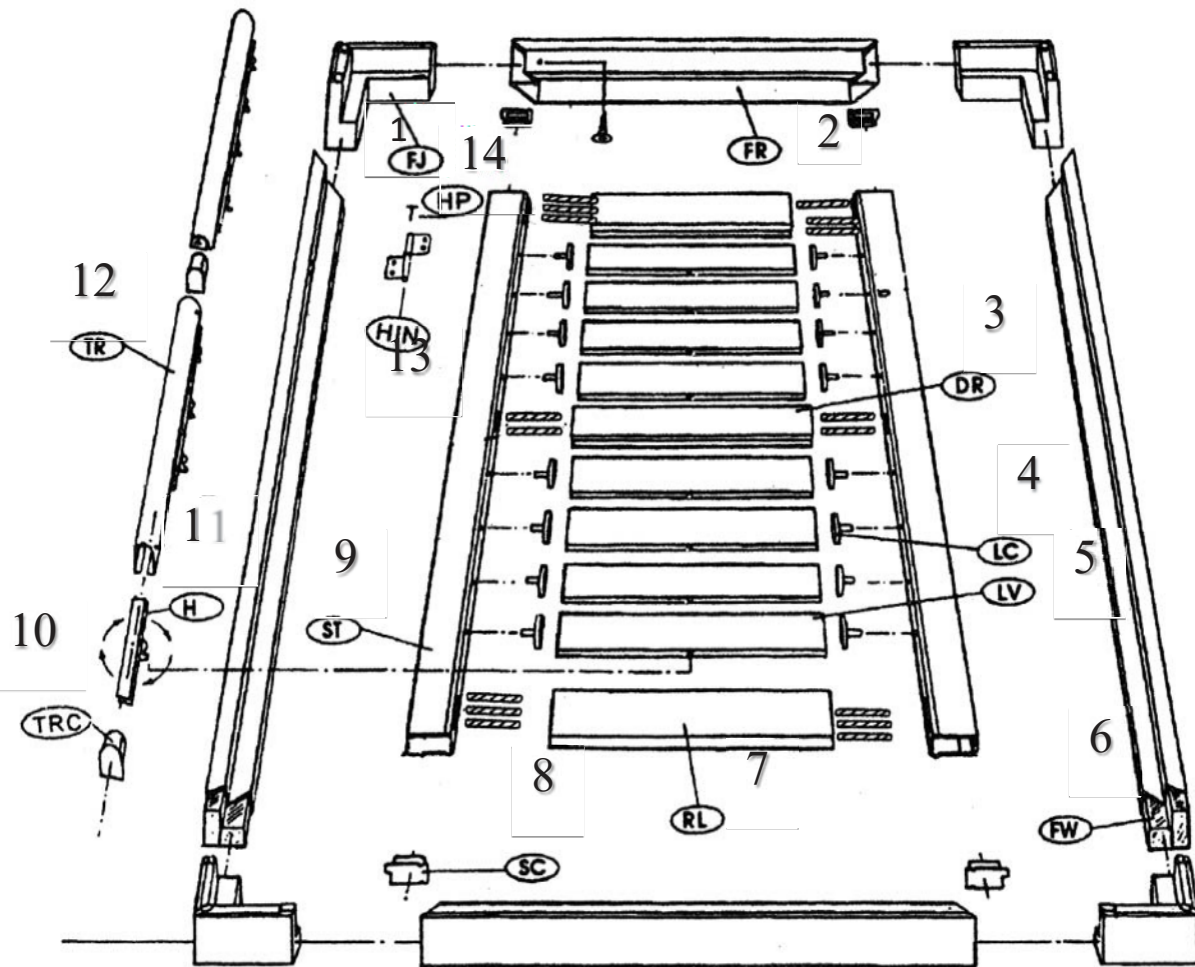
**(1)** Before placing the shutter in the window, Assemble Frame, Predrill 4 installation holes 4" from the top and bottom corners of hinged frame legs.

**(2)** Position Frame around windows top corner, then Drill screw at top hole of hinged frame. (Note that the base of the bottom hinge is closest to frame corner.)

**(3)** Level frame and Attach screw at top right hole of hinged frame.

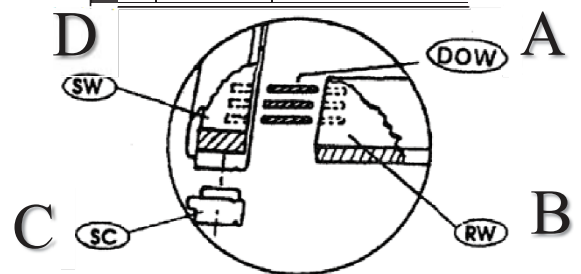


## Exploded View of Shutter



| No. | Code | Description  |
|-----|------|--------------|
| 1   | FJ   | Frame Joint  |
| 2   | FR   | Frame        |
| 3   | DR   | Divider Rail |
| 4   | LC   | Louver Cap   |
| 5   | LV   | Louver       |
| 6   | FW   | Frame Wood   |
| 7   | RL   | Rail         |
| 8   | SC   | Stile Cap    |
| 9   | ST   | Stile        |
| 10  | TRC  | Tilt Rod Cap |
| 11  | H    | Hook         |
| 12  | TR   | Tilt Rod     |
| 13  | HN   | Hinge        |
| 14  | HP   | Hinge Pin    |

|   | Code | Description |
|---|------|-------------|
| A | DOW  | Dowel       |
| B | RW   | Rail Wood   |
| C | SC   | Stile Cap   |
| D | SW   | Stile Wood  |





**PROBLEM / RESOLUTION FORM**  
**PARTS / REPAIRS / REMAKES / WARRANTY**

Date: \_\_\_\_\_  
Dealer Name: \_\_\_\_\_  
P.O. / SideMark: \_\_\_\_\_  
Order No. \_\_\_\_\_ Order Date: \_\_\_\_\_

Product: ☐ AllView PLUS ☐ ShutterSMART (Thermacore) ☐ SolidCore ☐ Miramonte ☐ Miramonte Premier

Line No. \_\_\_\_\_ Size: \_\_\_\_\_ Color: \_\_\_\_\_  
Line No. \_\_\_\_\_ Size: \_\_\_\_\_ Color: \_\_\_\_\_  
Line No. \_\_\_\_\_ Size: \_\_\_\_\_ Color: \_\_\_\_\_

Problem with shutter: (Describe)

---

---

---

---

If damaged, where is the damage located on shutter (please email photos together with this form)?

---

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---

---

How did damage occur?

---

---

---

---

What is needed to correct problem?

---

---

---

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CALIFORNIA DEPARTMENT OF FORESTRY and FIRE PROTECTION  
OFFICE OF THE STATE FIRE MARSHAL

## REGISTERED FLAME RESISTANT PRODUCT

Product:

SHUTTER SMART

Registration No.

F-06801

Product Marketed By:

US POLYMERS INC.

1057 S. VAIL AVENUE

MONTEBELLO, CA 90640

This product meets the minimum requirements of flame resistance established by the California State Fire Marshal for products identified in Section 13115, California Health and Safety Code.

The scope of the approved use of this product is provided in the current edition of the **CALIFORNIA APPROVED LIST OF FLAME RETARDANT CHEMICALS AND FABRICS, GENERAL AND LIMITED APPLICATIONS CONCERNS** published by the California State Fire Marshal.



Deputy State Fire Marshal



## COMPANY POLICIES

### Ordering

Orders are accepted online at [shuttersmart.com](https://shuttersmart.com), by email at [orders@uspolymersinc.com](mailto:orders@uspolymersinc.com) or by fax at 323-727-6891.

All customers must inspect merchandise upon receipt and record any freight damage on the Proof of Delivery. Any damage needs to be reported to USP along with the POD. Hold onto the damaged merchandise so that the trucking companies can verify the claim and pick up the damaged goods. Obvious damage must be reported within 7 days of receipt. Concealed damage must be reported within 10 days. Pictures must be submitted for damage claims. Repairs and damage remakes will be processed as soon as the extent of the damages and the needed resolution are clearly understood.

### Shipping

Orders in California are shipped with our trucks. For out of state shutter shipments, to ensure prompt delivery, we use Package Delivery Services or common carrier standard ground transport curbside delivery. There is no additional charge for delivery to authorized locations throughout the continental US. However, additional charges will be incurred if special services are needed (i.e., Inside delivery, redelivery, re-consignment, or if storage is required because dealer cannot be contacted). For shipments to Alaska, Hawaii, and outside of the conterminous states, dealer will be responsible for freight cost and other charges. We will make reasonable efforts to meet scheduled want date, but we cannot guarantee to meet these dates. We will not be liable for any costs or losses resulting from delivery dates. All orders will ship to primary business address per account. Drop shipments to changing residential locations will carry a residential delivery surcharge.

### Claims & Credit issues

All claims on product must be made within 10 days of invoice date. Claims made beyond 10 days of invoice date will not be honored. All claims or credit requests should be made with customer service. A credit memo will be issued upon approval.

### Freight Damage

All customers should inspect merchandise upon receipt and record any freight damage on the Proof of Delivery. Any damage needs to be reported to USP along with Proof of Delivery. Hold on to any merchandise that is damaged so that the trucking companies can verify the claim. If a damaged shipment is received and no notes are made on the Proof of Delivery stating damage, customers will be solely responsible for merchandise.

Customer needs to pursue directly with freight company any freight damage on freight collect shipments.

### Rework

An RGA is required for all rework goods. Obtain this from customer service. Please note that it is the customers full responsibility to deliver the product back to USP in good shape. Poor packaging causing scratches and damaged panels will be charged to the customer.

### Remakes

If a shutter is deemed to be out of the written specifications on a purchase order form and our specification guidelines, at its sole option USP will remake or repair the shutter. We reserve the right to bring back all shutters that are claimed to be out of specifications for inspection, repair, or remake.

### Warranty Issues

Any claims not filed within 20 days will fall under the guidelines of our warranty statement. Refer to the warranty page in your manual for more details.



## COMPANY POLICIES

### **Color Variations**

Even though strict quality standards are maintained to minimize color variations, we recommend that you not attempt exact color matches from your wood shutter sample panels. Colors vary from dye lot to lot. For best color consistency, order shutters within the same room at the same time. We cannot guarantee exact color matching between orders and will not warranty this.

### **Orders cannot be canceled.**

Since orders are custom made, orders cannot be canceled once placed.

### **Credit Terms & Payment**

US Polymers credit terms are CBD. Credit terms are only extended to customers with excellent credit history. Issues regarding payments should be addressed through customer service.

### **Contact us.**

For any questions, contact our customer service at **800-737-4569** or email: **[CS@uspolymersinc.com](mailto:CS@uspolymersinc.com)**.



## LIFETIME LIMITED WARRANTY

ShutterSMART, a division of U.S. Polymers Inc. (USP), warrants to the original buyer, only, of USP Shutter Products that if installed, used and maintained according to USP's written instructions, the product will be free from manufacturing defects for the reasonable lifetime (fifteen years) of the Product, effective from the date of purchase by the original buyer, from an authorized USP dealer or retailer. No salesperson, dealer, retailer nor any representative of USP has the authority to modify this Warranty in any way, either verbally or in writing. No other warranties are made except as set forth herein, and said Warranty is limited by the following terms and conditions:

This Warranty shall remain in effect only if the Product has been installed, maintained, cleaned, treated and used correctly. This Warranty shall not apply if the Product has been damaged due to alteration, accident, misuse, misapplication, improper installation, abuse, normal wear and tear, exposure to the elements, improper maintenance or handling, fire, flood, or other Acts of God.

### **LIMITED WARRANTY LIMITATIONS**

1 **Product use:** This Limited Warranty applies only in respect to Products that are used strictly for the purpose in which they were designed, manufactured, sold and intended. THIS LIMITED WARRANTY WILL NOT COVER ANY PRODUCTS WHICH ARE NOT PURCHASED FROM AN AUTHORIZED USP DEALER OR RETAILER WHO ACQUIRED THE PRODUCTS DIRECTLY FROM USP.

2 **Warranty Limitations:** USP's liability is Limited solely and exclusively to repair or replacement, at USP's option, of all or any part of the defective Product. USP reserves the right to ask for products to be shipped back for inspection and repairs. Under no circumstances shall USP be liable for consequential or incidental damages resulting from the defective Product. This includes but is not limited to costs of removal and reinstallation, disassembly and/or reassembly, damage or injury to other property, labor costs for any purpose, or any other expense.

3 **LIMITATIONS ON LIABILITY.** THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE FACE HEREOF, EXPRESSLY OR IMPLIED, WRITTEN OR ORAL, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF merchantability or fitness for a particular purpose, whether or not arising from any trade usage or course of dealing, with respect to the products of manufacturer. In no event shall manufacturer be liable for loss of profits, indirect, special or consequential damages arising out of any product covered by this warranty, or incidental damages, including without limitation loss of use, loss of time or inconvenience, or other expenses. In no event shall manufacturer's liability herein exceed the cost of the product. Some states do not allow the exclusion of limitation of incidental damages, so the above limitations or exclusions may not apply to you.

4 **Replacement Parts or Repairs:** USP reserves the right to discontinue or change any of its Shutter Products as currently manufactured, at any time. If USP determines to make a replacement under the terms of this Limited Warranty and exact replacements are not available, USP reserves the right to substitute a part or parts of equal quality at its sole option.

### **EXCLUSIONS FROM LIMITED WARRANTY COVERAGE**

The following are excluded from coverage under this Limited Warranty:

1. Exposure to air pollutants and normal atmosphere conditions may cause vinyl surfaces to gradually suffer accumulation of surface dirt and stains. These are normal occurrences and are not covered under USP's Limited Warranty.
2. Any defect, malfunction or failure to perform, which has occurred because of unreasonable use, improper application or failure to perform reasonable or necessary maintenance.
3. Any damage to the Shutters or components of the Shutters caused by settlement or structural defects of the building in which they are installed.
4. Any damage caused by wind, hail, lightning, rain, or other Acts of God, intentional acts, accidents, negligence, exposure to harmful chemicals or pollutants.



## **LIFETIME LIMITED WARRANTY**

5. Any damage or defect caused by any person, licensed or not, who, after the Product's manufacture, handled, transported or installed the USP Shutter Product, regardless of that person's relationship to USP.
6. Any Shutter which has been repaired or modified or attempted to have been repaired or modified by any person other than a duly authorized representative of USP.
7. Any shutter that has been exposed to excessive sources of heat.
8. Any Shutter Product that is manufactured outside of USP's normal, standard factory specifications. This shall include, but not be limited to, custom manufactured Shutter Products for unusually shaped, or abnormally large applications.

In the event that any part or provision of this limited warranty shall conflict with any present or future law, statute, ordinance, regulation or ruling, the latter shall prevail; provided, however, that the part or provision of this agreement which is effected shall be curtailed and limited only to the extent necessary to bring it within the requirements of law, and all other parts and provisions of this limited warranty shall remain in full force and effect. For service under this Limited Warranty, please contact U. S. Polymers, Inc., 1057 S. Vail Ave., Montebello, CA 90640, telephone (323) 728-3023. Please have available the proof of purchase and the purchase date and location from an authorized USP dealer or retailer, in addition to a detailed description of the problem. All warranty requests must be submitted in writing. USP shall not be liable for shipping costs for product inspection, service or repair, and is not liable for damages or loss occurring in shipping.

### **Maintenance and Care Instructions**

ShutterSMART's Polyclad Hardwood shutter is a very low maintenance product. Like any home furniture, we recommend you use care when handling your shutters. An occasional dusting or cleaning should keep your shutters looking like new for years to come. When cleaning, use a moist towel that will remove all dust. Soap and water or other nonabrasive household cleaners will work well. Do not use abrasive liquids or acetone-based cleaning solutions.

For proper cleaning, open shutter panel and close the louvers upward. Clean both sides of the shutter using a moist cloth. Then tilt the louvers downward and clean the shutters in this position to ensure both sides are completely clean. An occasional cleaning of the surface will keep dirt accumulation and any staining off the product.

Congratulations on your purchase of our award winning Polyclad Hardwood shutters. We hope you enjoy your shutters for years to come.



## LIMITED LIFETIME WARRANTY

U.S. Polymers Inc. (USP) warrants to the original buyer, only, of AllView PLUS Products that if installed, used and maintained according to USP's written instructions, the product will be free from manufacturing defects for the reasonable lifetime (fifteen years) of the Product, effective from the date of purchase by the original buyer, from an authorized USP dealer or retailer. All metal components are warranted for 3 years. No salesperson, dealer, retailer nor any representative of USP has the authority to modify this Warranty in any way, either verbally or in writing. No other warranties are made except as set forth herein, and said Warranty is limited by the following terms and conditions:

This Warranty shall remain in effect only if the Product has been installed, maintained, cleaned, treated and used correctly. This Warranty shall not apply if the Product has been damaged due to alteration, accident, misuse, misapplication, improper installation, abuse, normal wear and tear, exposure to the elements, improper maintenance or handling, fire, flood, or other Acts of God.

### LIMITED WARRANTY LIMITATIONS

1 Product use: This Limited Warranty applies only in respect to Products that are used strictly for the purpose in which they were designed, manufactured, sold and intended.

2 Warranty Limitations: USP's liability is Limited solely and exclusively to repair or replacement, at USP's option, of all or any part of the defective Product. USP reserves the right to ask for products to be shipped back for inspection and repairs. Under no circumstances shall USP be liable for consequential or incidental damages resulting from the defective Product. This includes but is not limited to costs of removal and reinstallation, disassembly and/or reassembly, damage or injury to other property, labor costs for any purpose, or any other expense.

**3 LIMITATIONS ON LIABILITY.** THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE FACE HEREOF, EXPRESSLY, OR IMPLIED, WRITTEN OR ORAL, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF merchantability or fitness for a particular purpose, whether or not arising from any trade usage or course of dealing, with respect to the products of manufacturer. In no event shall manufacturer be liable for loss of profits, indirect, special or consequential damages arising out of any product covered by this warranty, or incidental damages, including without limitation loss of use, loss of time or inconvenience, or other expenses. In no event shall manufacturer's liability herein exceed the cost of the product. Some states do not allow the exclusion of limitation of incidental damages, so the above limitations or exclusions may not apply to you.

For Replacement Parts or Repairs: USP reserves the right to discontinue or change any of its products as currently manufactured, at any time. If USP determines to make a replacement under the terms of this Limited Warranty and exact replacements are not available, USP reserves the right to substitute a part or parts of equal quality at its sole option.

### EXCLUSIONS FROM LIMITED WARRANTY COVERAGE

The following are excluded from coverage under this Limited Warranty:

1. Exposure to air pollutants and normal atmosphere conditions may cause vinyl surfaces to gradually suffer accumulation of surface dirt and stains. These are normal occurrences and are not covered under USP's Limited Warranty.
2. Any defect, malfunction or failure to perform, which has occurred because of unreasonable use, improper application or failure to perform reasonable or necessary maintenance.
3. Any damage to the product or components of the product caused by settlement or structural defects of the building in which they are installed.
4. Any damage caused by wind, hail, lightning, rain, or other Acts of God, intentional acts, accidents, negligence, exposure to harmful chemicals or pollutants.
5. Any damage or defect caused by any person, licensed or not, who, after the Product's manufacture, handled, transported or installed the Product, regardless of that person's relationship to USP.



## LIMITED LIFETIME WARRANTY

6. Any Product which has been repaired or modified or attempted to have been repaired or modified by any person other than a duly authorized representative of USP.

7. Any Product that has been exposed to excessive sources of heat.

8. Any Product that is manufactured outside of USP's normal, standard factory specifications. This shall include, but not be limited to, custom manufactured Products for unusually shaped, or abnormally large applications.

In the event that any part or provision of this limited warranty shall conflict with any present or future law, statute, ordinance, regulation or ruling, the latter shall prevail; provided, however, that the part or provision of this agreement which is effected shall be curtailed and limited only to the extent necessary to bring it within the requirements of law, and all other parts and provisions of this limited warranty shall remain in full force and effect.

For service under this Limited Warranty, please contact U. S. Polymers, Inc., 1057 S. Vail Ave., Montebello, CA 90640, telephone (323) 728-3023. Please have available the proof of purchase and the purchase date and location from an authorized USP dealer or retailer, in addition to a detailed description of the problem. All warranty requests must be submitted in writing. USP shall not be liable for shipping costs for Product inspection, service or repair, and is not liable for damages or loss occurring in shipping.

### Maintenance and Care Instructions

AllView PLUS is a low maintenance product. Like any home furniture, we recommend you use care when handling AllView. An occasional dusting or cleaning should keep your shutters looking like new for years to come. When cleaning, use a moist towel that will remove all dust. Soap and water or other non-abrasive household cleaners will work well. Do not use abrasive liquids or acetone-based cleaning solutions.

For proper cleaning, open shutter panel and close the louvers upward. Clean both sides of the shutter using a moist cloth. Then tilt the louvers downward and clean the panel in this position to ensure both sides are completely clean. An occasional cleaning of the surface will keep dirt accumulation and any staining off the product. Congratulations on your purchase.

## **LIMITED LIFETIME WARRANTY**

All Wood Shutter Products made by U.S. Polymers, Inc. (USP) come with a limited lifetime warranty on material defects and workmanship for as long as the original purchaser owns the shutters, provided that such products were properly installed and maintained. Any resale or other transfer of the product and/or materials voids this warranty.

Miramonte painted wood shutters and Miramonte Premier wood shutters come with a 3-year limited warranty on color fastness of paints. This warranty does not cover any conditions or damages resulting from exposure to elements, excessive heat or humidity, fading or discoloration over time. Wood is a natural product and may have characteristic differences in the grain, pattern variation in the profile and paint effect. This is considered an enhancement to the beauty of natural wood and is not a material defect. No salesperson, dealer, retailer nor any representative of USP has the authority to modify this Warranty in any way, either verbally or in writing. No other warranties are made except as set forth herein, and said Warranty is limited by the following terms and conditions:

This Warranty shall remain in effect only if the Product has been installed, maintained, cleaned, treated and used correctly. This Warranty shall not apply if the Product has been damaged due to alteration, accident, misuse, misapplication, improper installation, abuse, normal wear and tear, exposure to the elements, improper maintenance or handling, fire, flood, or other Acts of God.

### **LIMITED WARRANTY LIMITATIONS**

5 **Product use:** This Limited Warranty applies only in respect to Products that are used strictly for the purpose in which they were designed, manufactured, sold and intended. This limited warranty will not cover any products which are not purchased from an authorized usp dealer or retailer who acquired the products directly from usp.

6 **Warranty Limitations:** USP's liability is Limited solely and exclusively to repair or replacement, at USP's option, of all or any part of the defective Product. USP reserves the right to ask for products to be shipped back for inspection and repairs. Under no circumstances shall USP be liable for consequential or incidental damages resulting from the defective Product. This includes but is not limited to costs of removal and reinstallation, disassembly and/or reassembly, damage or injury to other property, labor costs for any purpose, or any other expense.

7 **LIMITATIONS ON LIABILITY.** THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE FACE HEREOF, EXPRESSLY OR IMPLIED, WRITTEN OR ORAL, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF merchantability or fitness for a particular purpose, whether or not arising from any trade usage or course of viewing, with respect to the products of manufacturer. In no event shall manufacturer be liable for loss of profits, indirect, special or consequential damages arising out of any product covered by this warranty, or incidental damages, including without limitation loss of use, loss of time or inconvenience, or other expenses. In no event shall manufacturer's liability herein exceed the cost of the product. Some states do not allow the exclusion of limitation of incidental damages, so the above limitations or exclusions may not apply to you.

8 **Replacement Parts or Repairs:** USP reserves the right to discontinue or change any of its Shutter Products as currently manufactured, at any time. If USP determines to make a replacement under the terms of this Limited Warranty and exact replacements are not available, USP reserves the right to substitute a part or parts of equal quality at its sole option.

### **EXCLUSIONS FROM LIMITED WARRANTY COVERAGE**

The following are excluded from coverage under this Limited Warranty:

9. Any conditions or damages resulting from exposure to elements, excessive heat or humidity, fading or discoloration overtime
10. Any defect, malfunction or failure to perform, which has occurred because of unreasonable use, improper application or failure to perform reasonable or necessary maintenance.
11. Any damage to the Shutters or components of the Shutters caused by settlement or structural defects of the building in which they are installed.
12. Any damage caused by wind, hail, lightning, rain, or other Acts of God, intentional acts, accidents, negligence, exposure to harmful chemicals or pollutants.
13. Any damage or defect caused by any person, licensed or not, who, after the Product's manufacture, handled, transported or installed the USP Shutter Product, regardless of that person's relationship to USP.
14. Any Shutter which has been repaired or modified or attempted to have been repaired or modified by any person other than a duly authorized representative of USP.

## **LIMITED LIFETIME WARRANTY**

15. Any shutter that has been exposed to excessive sources of heat.

16. Any Shutter Product that is manufactured outside of USP's normal, standard factory specifications. This shall include, but not be limited to, custom manufactured Shutter Products for unusually shaped, or abnormally large applications.

In the event that any part or provision of this limited warranty shall conflict with any present or future law, statute, ordinance, regulation or ruling, the latter shall prevail; provided, however, that the part or provision of this agreement which is effected shall be curtailed and limited only to the extent necessary to bring it within the requirements of law, and all other parts and provisions of this limited warranty shall remain in full force and effect.

For service under this Limited Warranty, please contact U. S. Polymers, Inc., 1057 S. Vail Ave., Montebello, CA 90640, telephone (323) 728-3023. Please have available the proof of purchase and the purchase date and location from an authorized USP dealer or retailer, in addition to a detailed description of the problem. All warranty requests must be submitted in writing. USP shall not be liable for shipping costs for Product inspection, service or repair, and is not liable for damages or loss occurring in shipping.

### **Maintenance and Care Instructions for Miramonte Wood Shutters**

Like any home furniture, we recommend you use care when handling your Miramonte wood shutters. Regular dusting and cleaning should be done. When cleaning, dust or use a slightly moist cloth. Do not use cleaning solutions or abrasive liquids.

For proper cleaning, open shutter panel and close the louvers upward. Clean both sides of the shutter using a slightly moist cloth. Then tilt the louvers downward and clean the shutters in this position to ensure both sides are completely clean. An occasional cleaning of the surface will keep dirt accumulation and any staining off the product.

Congratulations on your purchase and we hope you enjoy your shutters for years to come.

**Thank You for your  
Business & Partnership**



**THE SMART CHOICE**