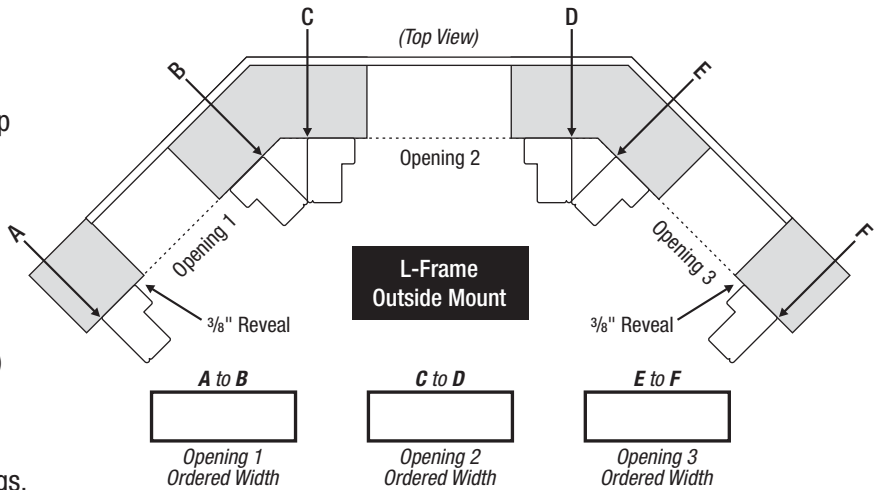


Product Key: **HH** = Heritage® Hardwood Shutters; **NS** = NewStyle® Hybrid Shutters; **PB** = Palm Beach™ Polysatin Shutters

Refer to the appropriate Reference Guide section for specifications.

L-FRAME OUTSIDE MOUNT

- Using the Hunter Douglas EasyAngle® Tool and allowing for a 3/8" reveal, mark **A**. Repeat this step at the other side and mark **F**.
- Using the EasyAngle® Tool, determine and mark positions **B** and **C**. Repeat this step for **D** and **E**.
- Determine the ordered widths of the three shutters. Measure the distance from mark **A** to mark **B** (opening 1). Repeat for **C** to **D** (opening 2) and **E** to **F** (opening 3). Enter these width measurements in the boxes at right.



- Determine the largest inside height of the openings. Measure the inside height at three places for each opening. Enter the *largest* of these nine measurements in the top box at right.

Largest Inside Height

- Enter the correct **FOF** (Frame Overlap Factor) in the middle box at right.

- FOF for 4-sided L-frames: **HH & NS** is 3/4", **PB** is 3/8"
- FOF for 4-sided frame with bottom sill: **HH & NS** is 2 5/8", **PB** is 3 1/8"
- FOF for Sill frame on window sill: **HH & NS** is 1 5/8", **PB** is 1 9/16"

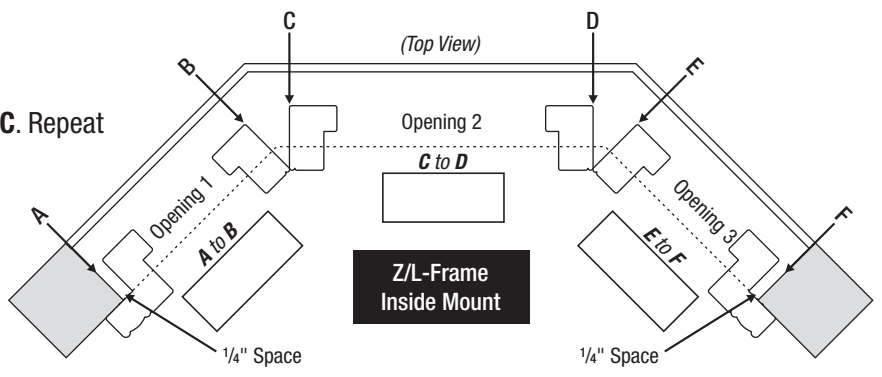
+ FOF (Frame Overlap Factor)

= Ordered Height

- Add the largest inside height measurement to the **FOF** to calculate the ordered height. All three shutters should have the same ordered height.

Z/L-FRAME INSIDE MOUNT

- Using the EasyAngle® Tool, mark positions **B** and **C**. Repeat this step for **D** and **E**.
- Measure inside opening 1 from the wall at **A** to the mark at **B**. This provides a 1/4" space at **A**.
- Measure inside opening 2 from mark **C** to mark **D**. Add 1/4" to determine the ordered width.



- Measure inside opening 3 from the mark at **E** to the wall at **F**. This provides a 1/4" space at **F**.

- Determine the smallest inside height of the openings. Measure the inside height at three places for each opening. Use the *smallest* of these nine measurements as your ordered height for all three shutters.

CALCULATE ORDERED WIDTH:

A to B
Opening 1 Ordered Width

C to D + 1/4"
Opening 2 Ordered Width

E to F
Opening 3 Ordered Width

Smallest Inside Height =
Ordered Height for All Three Openings

(continued)

FOR ALL BAY WINDOW SHUTTERS:

Transfer the information from the worksheet to the Heritage®, NewStyle® or Palm Beach™ order form and indicate that the shutters are for a bay window. Attach this worksheet to the order form.

Order form page number(s) _____ Opening numbers _____ Sidemark _____

Notes:

- Always check for sufficient clearance and any obstructions which may interfere with louver movement.

Bay Window Shutters Worksheet *(continued)*

Product Key: **HH** = Heritage® Hardwood Shutters; **NS** = NewStyle® Hybrid Shutters; **PB** = Palm Beach™ Polysatin Shutters
 Refer to the appropriate Reference Guide section for specifications.

COLONIAL Z-FRAME INSIDE MOUNT

1. Determine ordered widths. Measure **A** to **B** (Opening 1). Subtract $1\frac{3}{4}$ " to calculate ordered width.

HH NS PB	<i>A to B</i>		<i>Ordered Width</i>
		- $1\frac{3}{4}$ " =	
			<i>Opening 1</i>

2. Measure **C** to **D** (Opening 2). Subtract $3\frac{1}{4}$ " to calculate ordered width.

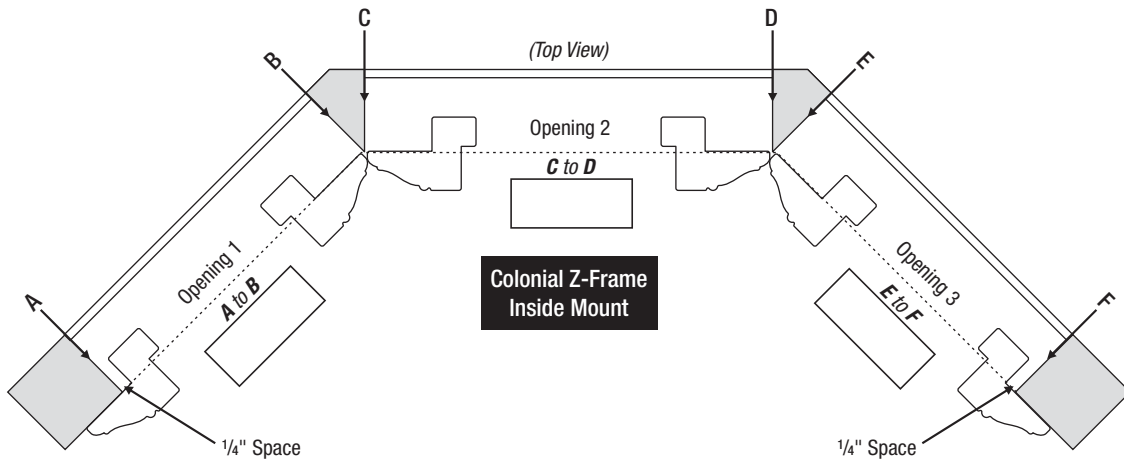
HH NS PB	<i>C to D</i>		<i>Ordered Width</i>
		- $3\frac{1}{4}$ " =	
			<i>Opening 2</i>

3. Measure **E** to **F** (Opening 3). Subtract $1\frac{3}{4}$ " to calculate ordered width.

HH NS PB	<i>E to F</i>		<i>Ordered Width</i>
		- $1\frac{3}{4}$ " =	
			<i>Opening 3</i>

4. Determine the smallest inside height of the openings. Measure the inside height at three places for each opening. Use the *smallest* of these nine measurements. Subtract $\frac{1}{8}$ " to calculate your ordered height for all three openings.

HH NS PB		- $\frac{1}{8}$ " =	
	<i>Smallest Inside Height</i>		<i>Ordered Height for All Three Openings</i>



FOR ALL BAY WINDOW SHUTTERS:

Transfer the information from the worksheet to the Heritage, NewStyle or Palm Beach order form and indicate that the shutters are for a bay window. Attach this worksheet to the order form.

Order form page number(s) _____ Opening numbers _____ Sidemark _____

Notes:

- Always check for sufficient clearance and any obstructions which may interfere with louver movement.

Product Key: **HH** = Heritance® Hardwood Shutters; **NS** = NewStyle® Hybrid Shutters; **PB** = Palm Beach™ Polysatin Shutters

Refer to the appropriate Reference Guide section for specifications.

L-FRAME OUTSIDE MOUNT

1. Determine ordered widths. Measure **A** to **B** (Opening 1). For **NS & HH** shutters subtract 2" and for **PB** shutters subtract 2¼" to calculate ordered width.

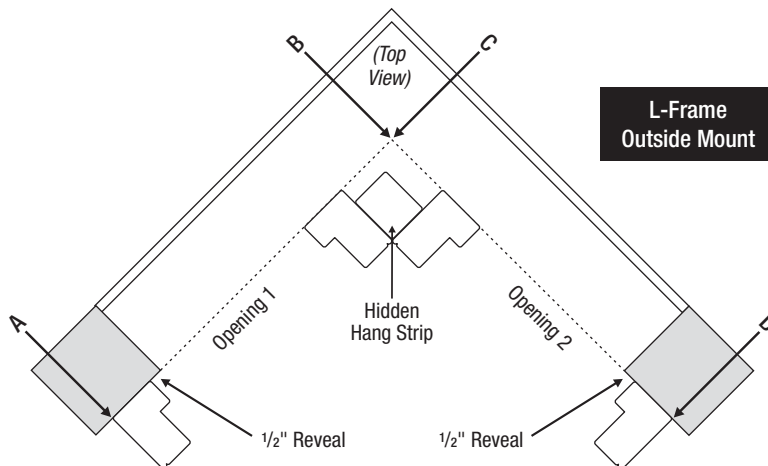
$$\begin{array}{l} \text{HH} \\ \text{NS} \end{array} \begin{array}{c} \text{A to B} \\ \boxed{} \end{array} - 2'' = \boxed{} \begin{array}{l} \text{Opening 1} \\ \text{Ordered Width} \end{array}$$

$$\text{PB} \begin{array}{c} \text{A to B} \\ \boxed{} \end{array} - 2\frac{1}{4}'' = \boxed{} \begin{array}{l} \text{Opening 1} \\ \text{Ordered Width} \end{array}$$

2. Repeat for **C** to **D** (Opening 2).

$$\begin{array}{l} \text{HH} \\ \text{NS} \end{array} \begin{array}{c} \text{A to B} \\ \boxed{} \end{array} - 2'' = \boxed{} \begin{array}{l} \text{Opening 2} \\ \text{Ordered Width} \end{array}$$

$$\text{PB} \begin{array}{c} \text{A to B} \\ \boxed{} \end{array} - 2\frac{1}{4}'' = \boxed{} \begin{array}{l} \text{Opening 2} \\ \text{Ordered Width} \end{array}$$



3. Determine the largest inside height of the openings. Measure the inside height at three places for each opening. Enter the *largest* of these six measurements in the top box at right.

Largest Inside Height

4. Enter the correct **FOF** (Frame Overlap Factor) in the middle box at right.

- FOF for 4-sided L-frames: **HH & NS** is 3¼", **PB** is 3⅛"
- FOF for 4-sided frame with bottom sill: **HH & NS** is 2⅝", **PB** is 3⅛"
- FOF for Sill frame on window sill: **HH & NS** is 1⅝", **PB** is 1⅑/16"

+ **FOF** (Frame Overlap Factor)

5. Add the largest inside height measurement to the **FOF** to calculate the ordered height. The ordered height is the same for both shutters.

= Ordered Height

6. Order one length of hangstrip at the ordered height - ¼" and note as lineal materials on the standard order form.

Z/L-FRAME INSIDE MOUNT

1. Determine ordered widths. Measure **A** to **B** (Opening 1). Subtract ¾" to calculate ordered width.

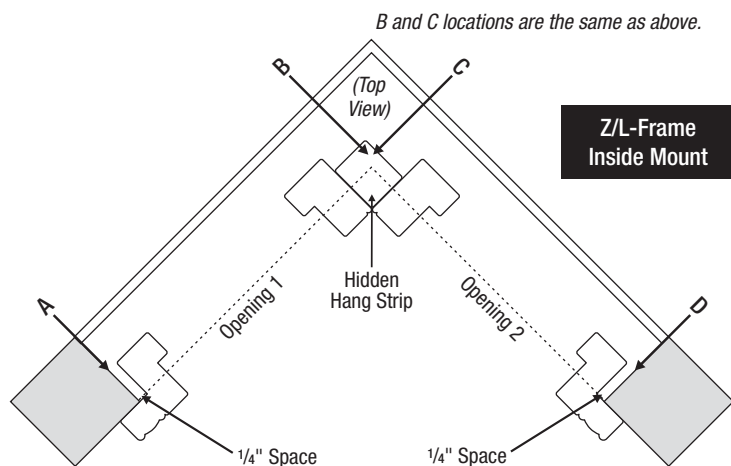
$$\begin{array}{l} \text{HH} \\ \text{NS} \\ \text{PB} \end{array} \begin{array}{c} \text{A to B} \\ \boxed{} \end{array} - \frac{3}{4}'' = \boxed{} \begin{array}{l} \text{Opening 1} \\ \text{Ordered Width} \end{array}$$

2. Repeat for **C** to **D** (Opening 2).

$$\begin{array}{l} \text{HH} \\ \text{NS} \\ \text{PB} \end{array} \begin{array}{c} \text{C to D} \\ \boxed{} \end{array} - \frac{3}{4}'' = \boxed{} \begin{array}{l} \text{Opening 2} \\ \text{Ordered Width} \end{array}$$

3. Determine the smallest inside height of the openings. Measure the inside height at three places for each opening. Use the *smallest* of these six measurements as your ordered height for both shutters.

Smallest Inside Height = Ordered Height for Both Openings



4. Order one length of hangstrip at the ordered height - ¼" and note as lineal materials on the standard order form. (continued)

FOR ALL CORNER WINDOW SHUTTERS:

Transfer the information from the worksheet to the Heritance, NewStyle or Palm Beach order form and indicate that the shutters are for a corner window. Attach this worksheet to the order form.

Order form page number(s) _____ Opening numbers _____ Sidemark _____

Notes:

- Always check for sufficient clearance and any obstructions which may interfere with louver movement.

Corner Window Shutters Worksheet *(continued)*

Product Key: **HH** = Heritage® Hardwood Shutters; **NS** = NewStyle® Hybrid Shutters; **PB** = Palm Beach™ Polysatin Shutters
Refer to the appropriate Reference Guide section for specifications.

COLONIAL Z-FRAME INSIDE MOUNT

1. Determine ordered widths. Measure **A** to **B** (Opening 1). Subtract $2\frac{1}{8}"$ to calculate ordered width.

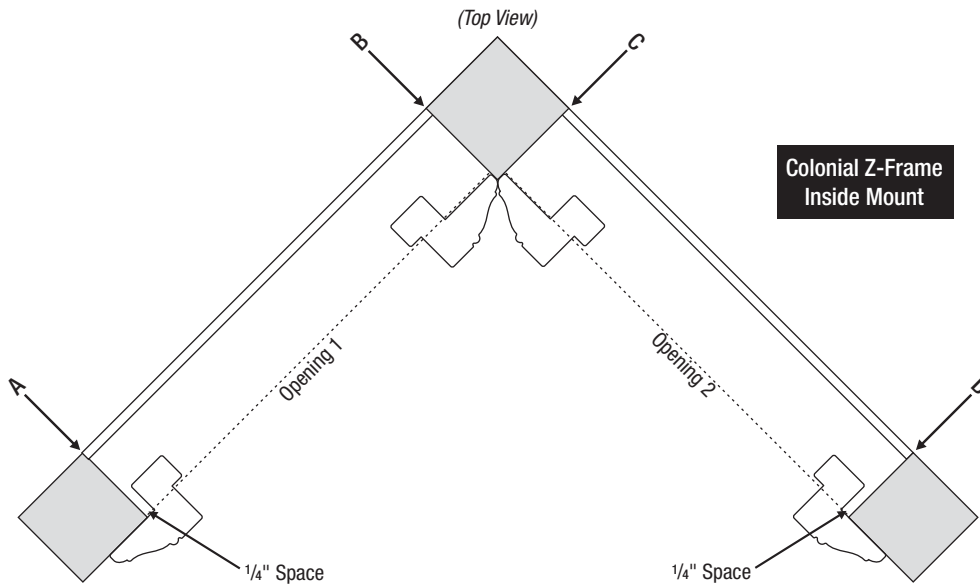
HH ^{A to B}
 NS - $2\frac{1}{8}"$ = *Opening 1*
 PB *Ordered Width*

2. Repeat for **C** to **D** (Opening 2).

HH ^{C to D}
 NS - $2\frac{1}{8}"$ = *Opening 2*
 PB *Ordered Width*

3. Determine the smallest inside height of the openings. Measure the inside height at three places for each opening. Use the *smallest* of these six measurements. Subtract $\frac{1}{8}"$ to calculate your ordered height for both openings.

HH
 NS - $\frac{1}{8}"$ =
 PB *Smallest Inside Height* *Ordered Height for All Three Openings*



FOR ALL CORNER SHUTTERS:

Transfer the information from the worksheet to the Heritage, NewStyle or Palm Beach order form and indicate that the shutters are for a corner window. Attach this worksheet to the order form.

Order form page number(s) _____ Opening numbers _____ Sidemark _____

Notes:

- Always check for sufficient clearance and any obstructions which may interfere with louver movement.

HunterDouglas

PALM BEACH™

Polysatin Shutters

French Door Worksheet Round Style Door Knobs

Sidemark

Line Number

Page Number

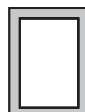
1. Determine L-frame detail and hinge configuration.

If "A" is less than 3/4"
enter 3-sided frame



OR

If "A" is 3/4" or more
enter either a 3-sided
or 4-sided frame



Frame Detail:

3-sided

4-sided

Hinge Detail:

Hinge Left

Hinge Right

2. Determine ordered width for 3 or 4-sided frames.

$$\begin{array}{c} \text{B} \end{array} + \begin{array}{c} \text{MAX. } 1\frac{1}{2}\text{"} \\ \text{A} \end{array} + 1\frac{1}{2}\text{"} = \begin{array}{c} \text{Ordered Width} \end{array}$$

(Recommended overlap plus reveal)

3. Determine the ordered height.

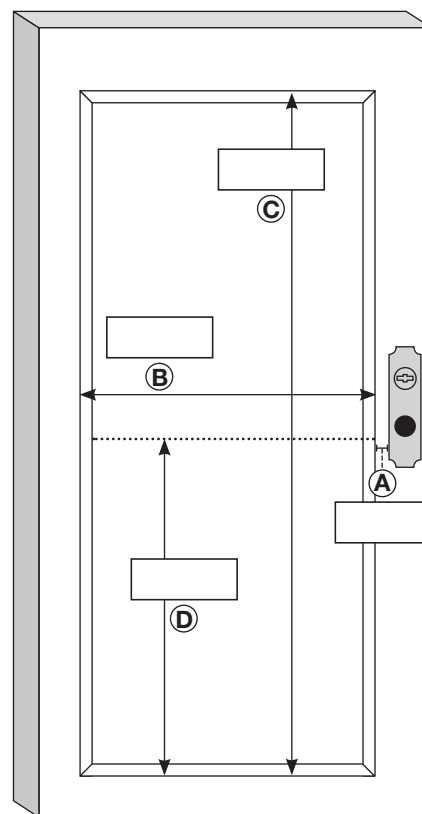
$$\begin{array}{c} \text{C} \end{array} + 3\text{"} = \begin{array}{c} \text{Ordered Height} \end{array}$$

(Frame Overlap)

4. Determine divider rail location.

$$\begin{array}{c} \text{D} \end{array} + 1\frac{1}{2}\text{"} = \begin{array}{c} \text{Divider Rail} \\ \text{Location} \end{array}$$

(Frame Overlap on Bottom)



Round Style Knob

Ordering Notes

1. Transfer final dimensions to your shutter order form.
2. Attach a copy of this worksheet to the order form.
3. Check for louver clearance & order buildout if needed.
4. Split tilt bars are optional in lieu of divider rails.
5. Frame overlap = 1 1/2" per side including reveal.

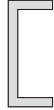
Worksheet Key

- A = Distance between the handle baseplate to glass/molding.
 B = Outside glass/molding measurement width.
 C = Outside glass/molding measurement height.
 D = Outside glass/molding measurement to desired divider rail location.

To ensure exact cut-out locations, french door cut-out frame heights may increase up to 4" and 6" depending on louver size. Use this French Door Cut-out worksheet to determine if there is enough room at the bottom and top of the door to accommodate this potential increase. (Key calculations noted in Section 5.)

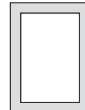
1. Determine frame detail and hinge configuration.

If "A" is less than 3/4" enter 3-sided frame



OR

If "A" is 3/4" or more enter either a 3-sided or 4-sided frame



Frame Detail:

- 3-sided
 4-sided

Hinge Detail:

- Hinge Left
 Hinge Right

Sidemark

Line Number

Page Number

2. Determine ordered width for 3 or 4-sided frames (see ordering note #2 below).

$$\boxed{B} + \boxed{A} \text{ MAX. } 1\frac{1}{2}\text{"} + 1\frac{1}{2}\text{"} = \boxed{\text{Ordered Width}}$$

(Recommended overlap including reveal)

FDC measuring tool must be used to ensure handle rotation

Growth Chart
Cut-out Distance to Top/Bottom of Frame

3. Determine the ordered height (see ordering note #3 below).

$$\boxed{C} + 3\text{"} = \boxed{\text{Ordered Height}}$$

(Recommended top & bottom overlap including reveal)

4. Determine French Door Cut-Out location.

$$\boxed{D} + 1\frac{1}{2}\text{"} = \boxed{\text{French Door Cut-Out Location}}$$

(Recommended overlap including reveal)

Note: Divider Rails are not available for Palm Beach French Door Cut-out.

5. The following calculations help to determine actual finished height with shutter growth.

5a. Determine measurement from center of handle to top of frame.

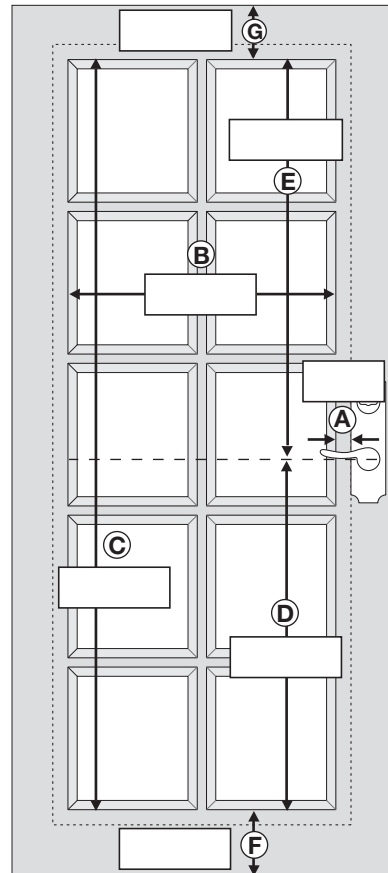
$$\boxed{E} + 1\frac{1}{2}\text{"} = \boxed{\text{Center of Handle to Top Frame}}$$

(Recommended overlap including reveal)

5b. To check for your top and bottom growth, consult the growth chart to the right.

$$\boxed{\text{Use French Door Cut-out Location measurement and enter next largest measurement from chart}} + \boxed{\text{Use Center of Handle to Top of Frame measurement and enter next largest measurement from chart}} = \boxed{\text{Actual Finished Height}}$$

Check for adequate F & G clearance to ensure door can accommodate shutter growth.



<input type="checkbox"/> 2 1/2" Louver	<input type="checkbox"/> 3 1/2" Louver
14 3/4"	16 1/8"
16 7/8"	19 1/4"
19"	22 3/8"
21 1/8"	25 1/2"
23 1/4"	28 5/8"
25 3/8"	31 3/4"
27 1/2"	34 7/8"
29 5/8"	38"
31 3/4"	41 1/8"
33 7/8"	44 1/4"
36"	47 3/8"
38 1/8"	50 1/2"
40 1/4"	53 5/8"
42 3/8"	
44 1/2"	
46 5/8"	
48 3/4"	
50 7/8"	

6. Side-by-side companion door(s) without cut-out: In some cases, there may be side-by-side companion door(s) that do not require a cut-out. If this is the case, please mark "Yes" below to ensure heights are the same and order as an FDCWC for the companion door on the standard order form: Companion Door? YES NO If "Yes", please indicate line #: page

Ordering Notes

- Transfer ordered width and ordered height to your shutter order form and attach worksheet to order.
- L-Frame overlap = 1/2" per side including standard reveal.
- To ensure exact cut-out location, the overall panel height may grow up to 2" top and 2" bottom for a total of 4" growth with 2 1/2" louvers and up to 3" top and 3" bottom for a total of 6" growth for 3 1/2" louvers.
- The french door cut-out is placed behind the handle. A minimum of 3/4" HANDLE PROJECTION is required to clear the cut-out.
- If ordering frame buildout, re-check handle clearance.
- Split tilt bars are optional for view and light control.
- 7. Not available in 4 1/2" louver or Lantana™.**

Worksheet Key

- A = Distance between the handle baseplate to glass/molding, maximum of 1 1/2".
- B = Outside glass/molding measurement width.
- C = Outside glass/molding measurement height.
- D = Bottom outside glass/molding measurement to center of handle.
- E = Top outside glass/molding measurement to center of handle.
- F = Distance from bottom of door to bottom of glass/molding.
- G = Distance from top of door to top of glass/molding.

Heritage® Hardwood Shutters and NewStyle® Hybrid Shutters

French Door Worksheet

Please check one:

Standard French Door

- Standard L-Frame
 Trim L-Frame
 Extended Trim L-Frame
 Hang Strips (FD)

French Door Cut-Out (FDC)

- Trim L-Frame
 Extended Trim L-Frame

*For French Door with Standard L-Frame:
 Enter actual "A" measurement or 1⁵/₈",
 whichever is **less***

*For all other frame options:
 Enter actual "A" measurement or 1³/₈",
 whichever is **less**.*

Sidemark

Line Number

Page Number

1. Determine the ordered width.

$$\boxed{} + \boxed{} + \boxed{} = \boxed{}$$

B A A Ordered Width

2. Determine the ordered height.

$$\boxed{} + \boxed{} + \boxed{} = \boxed{}$$

C A A Ordered Height

3. Determine divider rail location (if French Door Cut-Out, see ordering note #3).

$$\boxed{} + \boxed{} = \boxed{}$$

D A Divider Rail Location

4. For French Door Cut-Outs: Determine the cut-out location (see ordering note #4).

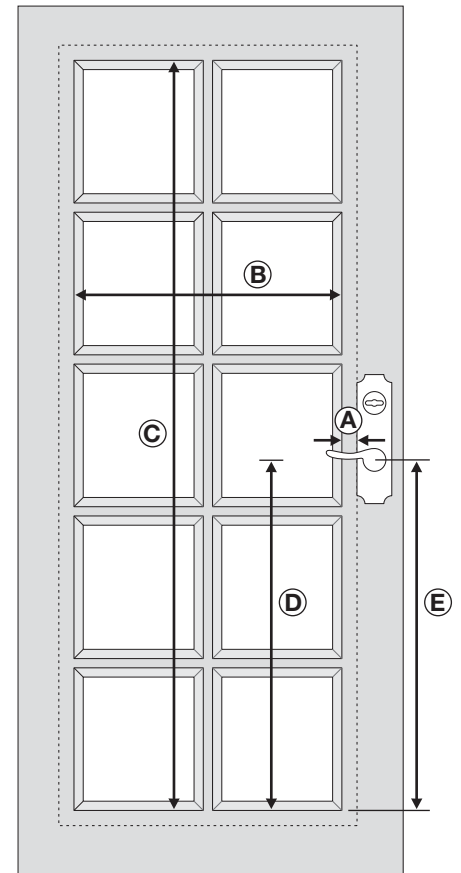
$$\boxed{} + \boxed{} = \boxed{}$$

E A French Door Cut-Out Location

5. **Side-by-side companion door(s) without cut-out:** In some cases, there may be side-by-side companion door(s) that do not require a cut-out. If this is the case, please mark "Yes" below to ensure heights are the same:

Companion Door? YES NO If "Yes", please indicate line #: page #:

FDC measuring tool must be used to ensure handle clearance



Ordering Notes

- Transfer final dimensions to your shutter order form.
- Attach a copy of this worksheet to the order form.
- If using a divider rail with French Door Cut-Outs, **D** and **E** may be the same or otherwise refer to the Reference Guide for the proper divider rail location.
- To ensure exact cut-out locations, the height may increase up to 1" with 2¹/₂" louvers, up to 2" with 3¹/₂" louvers, and up to 4" with 4¹/₂" louvers. Be sure there is enough room at the top and bottom of the door to accommodate this possible increase.

Worksheet Key

- A** = Distance between the handle baseplate to glass/molding; enter actual dimension or 1³/₈" (1⁵/₈" with Standard L-Frame), whichever is **less** (minimum distance is 1¹/₂").
- B** = Outside glass/molding measurement width.
- C** = Outside glass/molding measurement height.
- D** = Outside glass/molding measurement to divider rail location.
- E** = Outside glass/molding measurement to center of handle (French Door Cut-Outs only).