



CHADSWORTH COLUMNS



SHUTTER MEASURING – INSTRUCTIONS

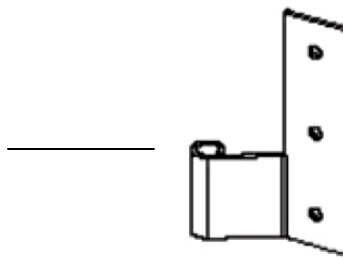
MEASURING

When measuring a window opening it is ideal to measure the width of the window opening at the top, center and bottom. Similarly measure the height of the window left, center and right side. If the shutter is to be functional you need to allow for 1/4" clearance around all 4 sides to the smallest window opening size. You must also allow for a 1/4" gap between the two shutters at the center of the window.

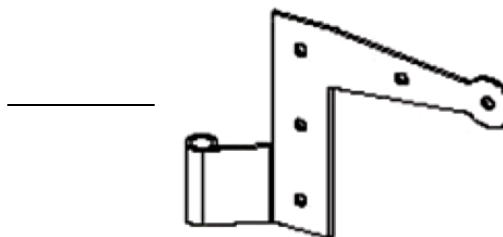
HARDWARE

It is very important that you determine the type of hinge and pintel required to fit your window and wall application.

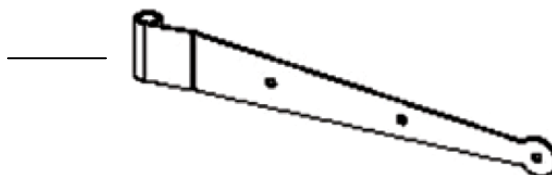
FLAT HINGE



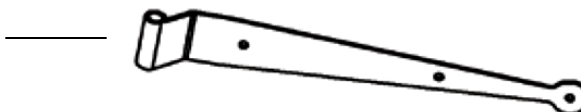
6" L-HINGE



10" STRAP HINGE



12" STRAP HINGE



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SHUTTER MEASURING – INSTRUCTIONS

PINTEL



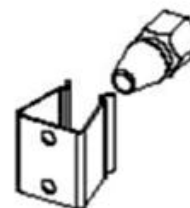
PINTEL SHIM



4" LAG PINTEL



ACORN HOLDBACK



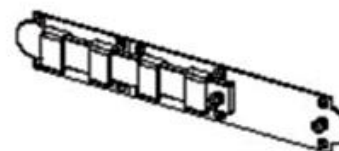
**S HOLDBACK W/ LAG BOLT,
WASHER, COTTER PIN**



RAT-TAIL HOLDBACK



12" SHUTTER SLIDE BOLT



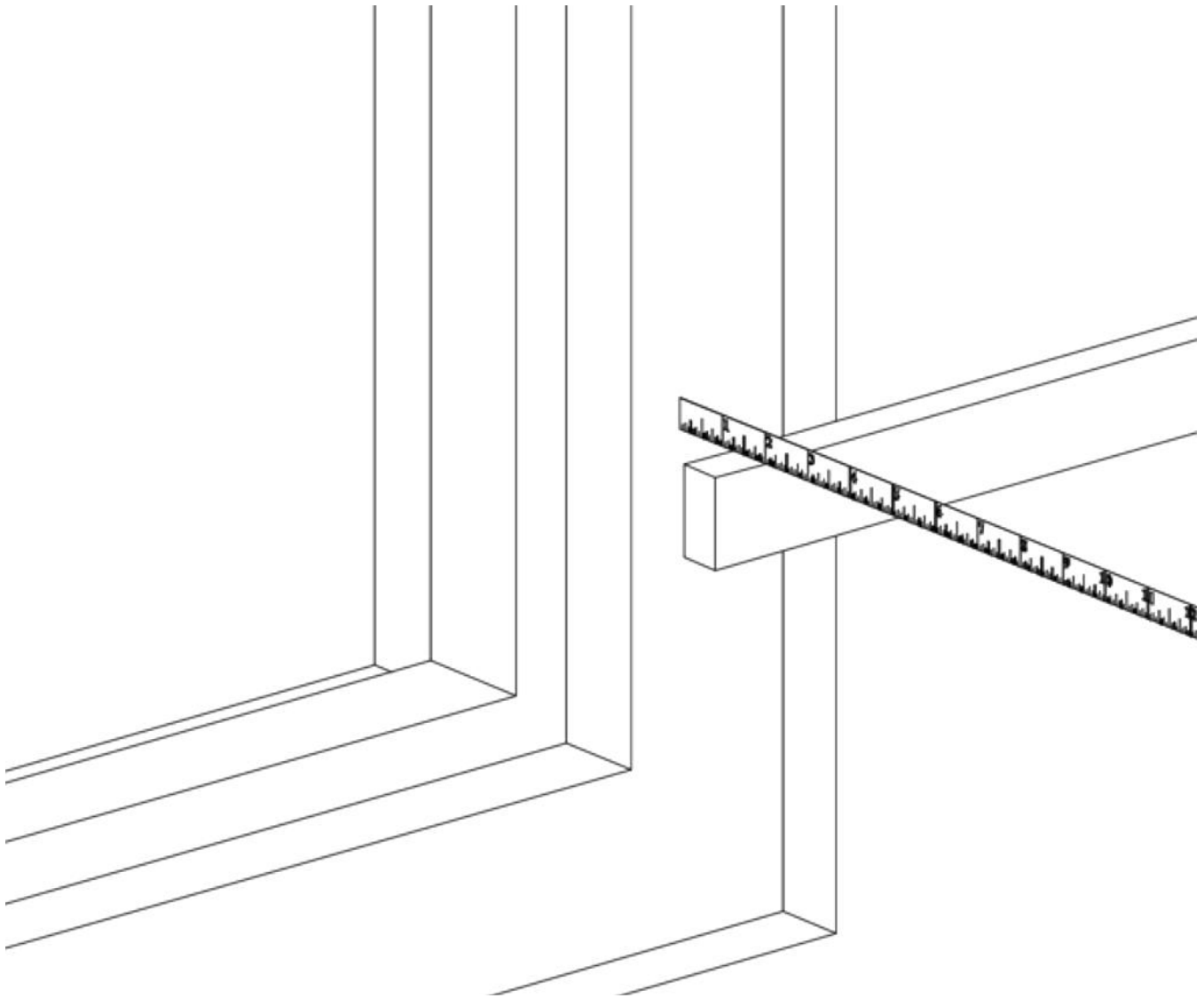
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SHUTTER MEASURING – INSTRUCTIONS

First step is to determine the position of the Pintel on the Window casement.

Measure the depth of the surface that the Pintel will be mounted on and the adjacent wall surface.

This will determine the Pintel height and Hinge combination that best fits the application.

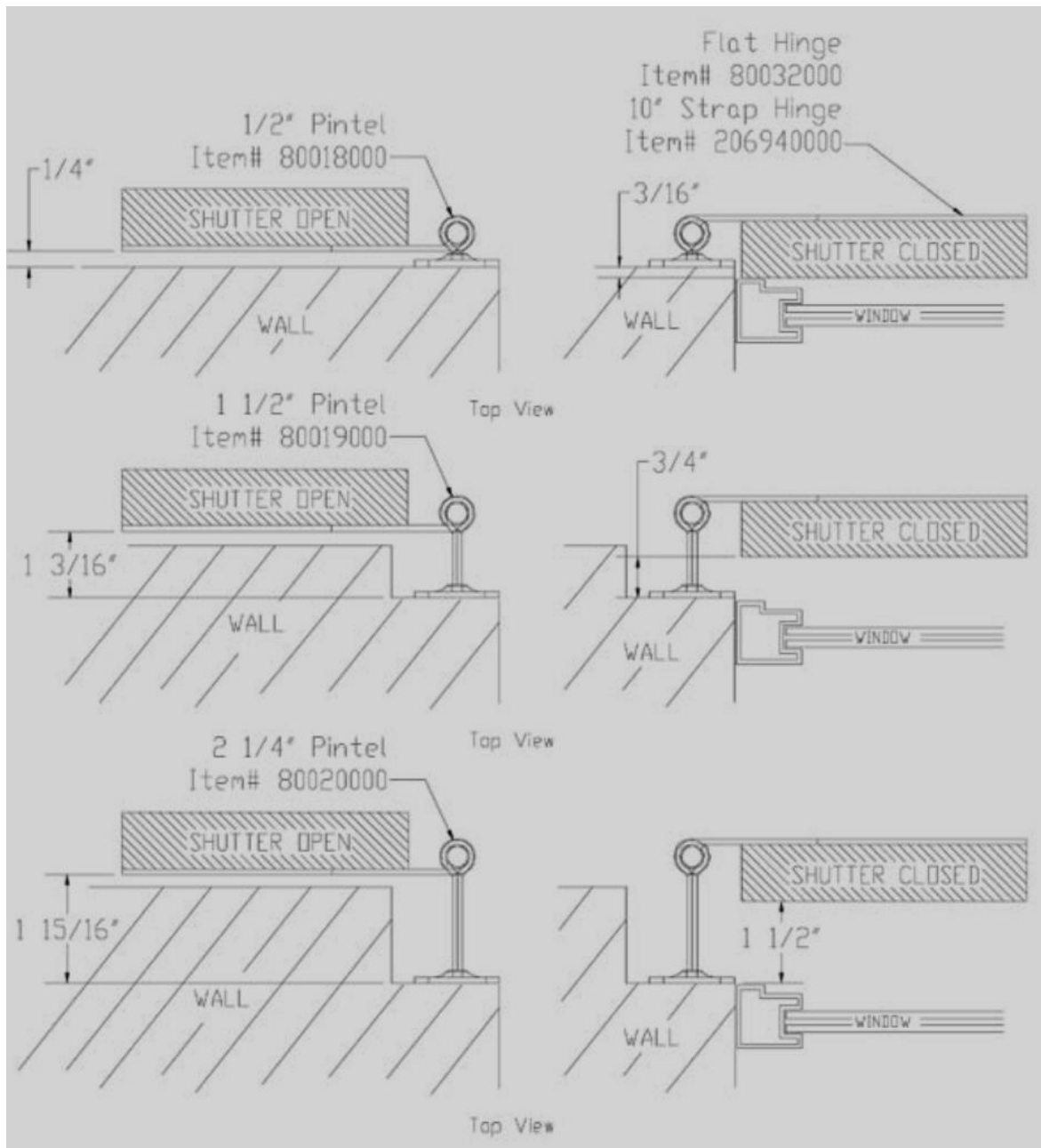


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SHUTTER MEASURING – INSTRUCTIONS

PINTEL AND STRAP HINGE COMBINATION

OPTION #1



The ideal setup is to have the Shutter flush with the casement when the Shutter is in the closed position.

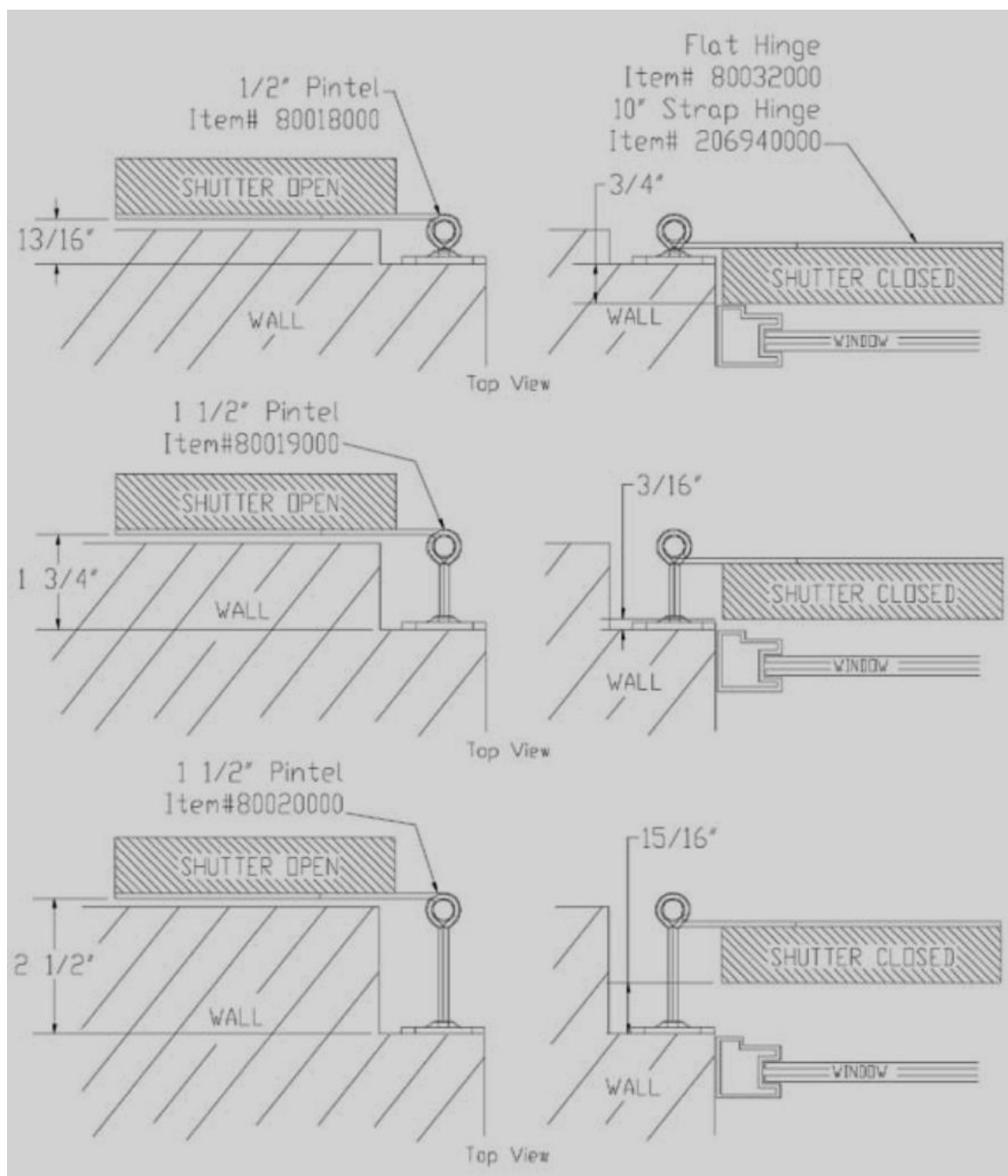
The Pintel Shims can be added to make small adjustments of 1/4", 1/2" and 3/4".

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SHUTTER MEASURING – INSTRUCTIONS

PINTEL AND STRAP HINGE COMBINATION

OPTION #2



The ideal setup is to have the Shutter flush with the casement when the Shutter is in the closed position.

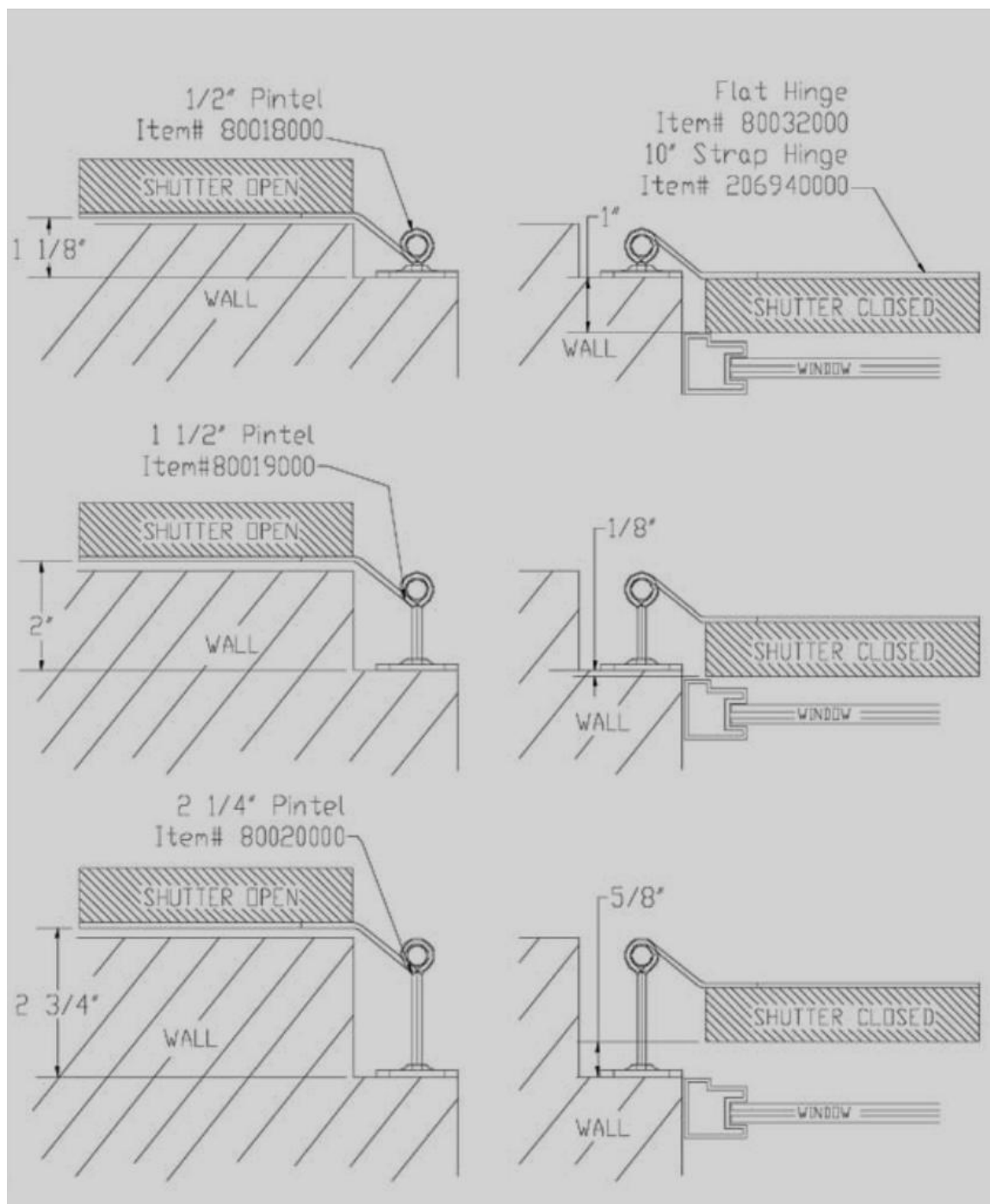
The Pintel Shims can be added to make small adjustments of 1/4", 1/2" and 3/4".

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SHUTTER MEASURING – INSTRUCTIONS

PINTEL AND STRAP HINGE COMBINATION

OPTION #3



The ideal setup is to have the Shutter flush with the casement when the Shutter is in the closed position.

The Pintel Shims can be added to make small adjustments of 1/4", 1/2" and 3/4".

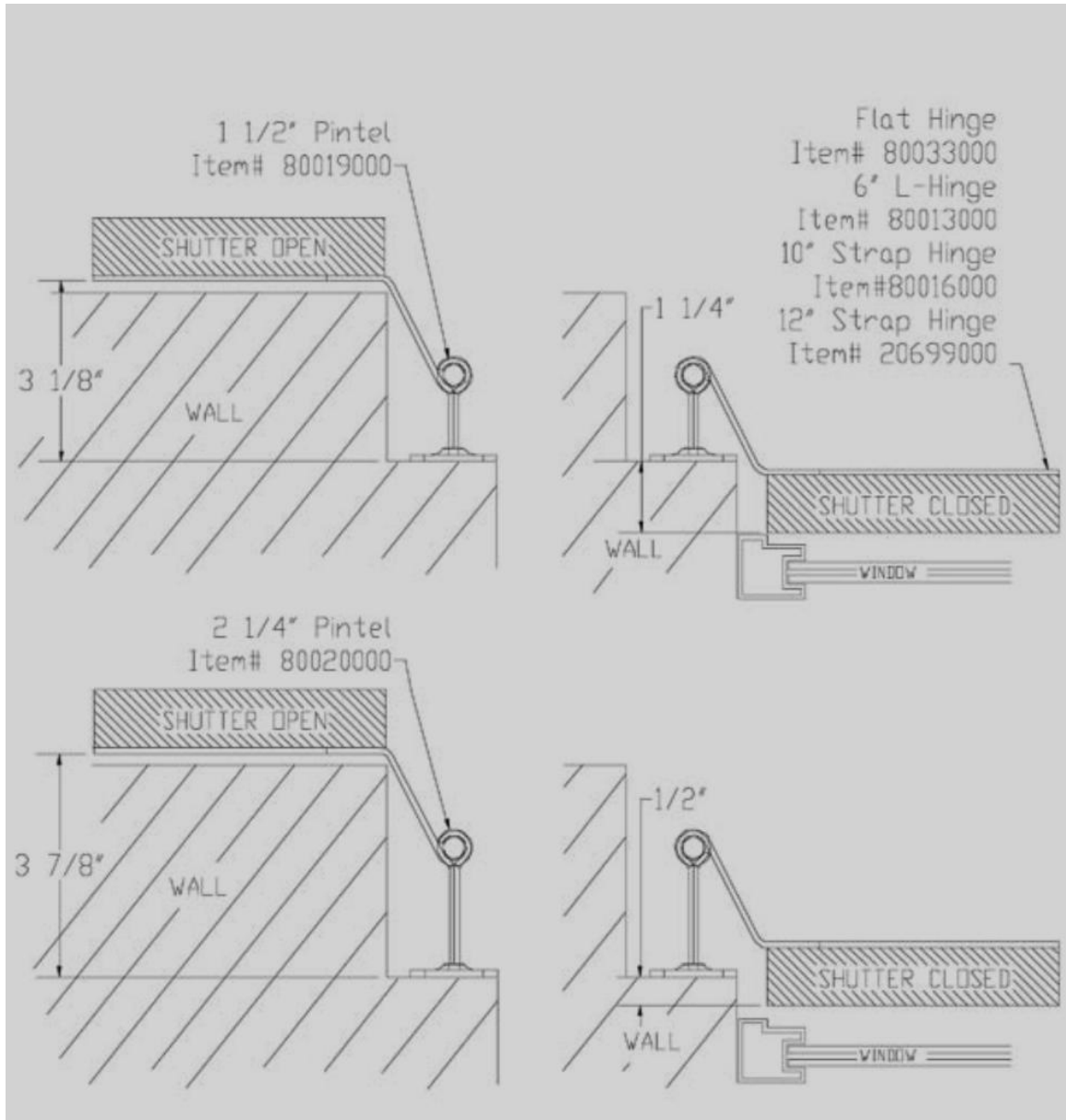
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SHUTTER MEASURING – INSTRUCTIONS

PINTEL AND STRAP HINGE COMBINATION

OPTION #4

$\frac{1}{2}$ " Pintel is not compatible with these hinges.



The ideal setup is to have the Shutter flush with the casement when the Shutter is in the closed position.

The Pintel Shims can be added to make small adjustments of $\frac{1}{4}$ ", $\frac{1}{2}$ " and $\frac{3}{4}$ ".

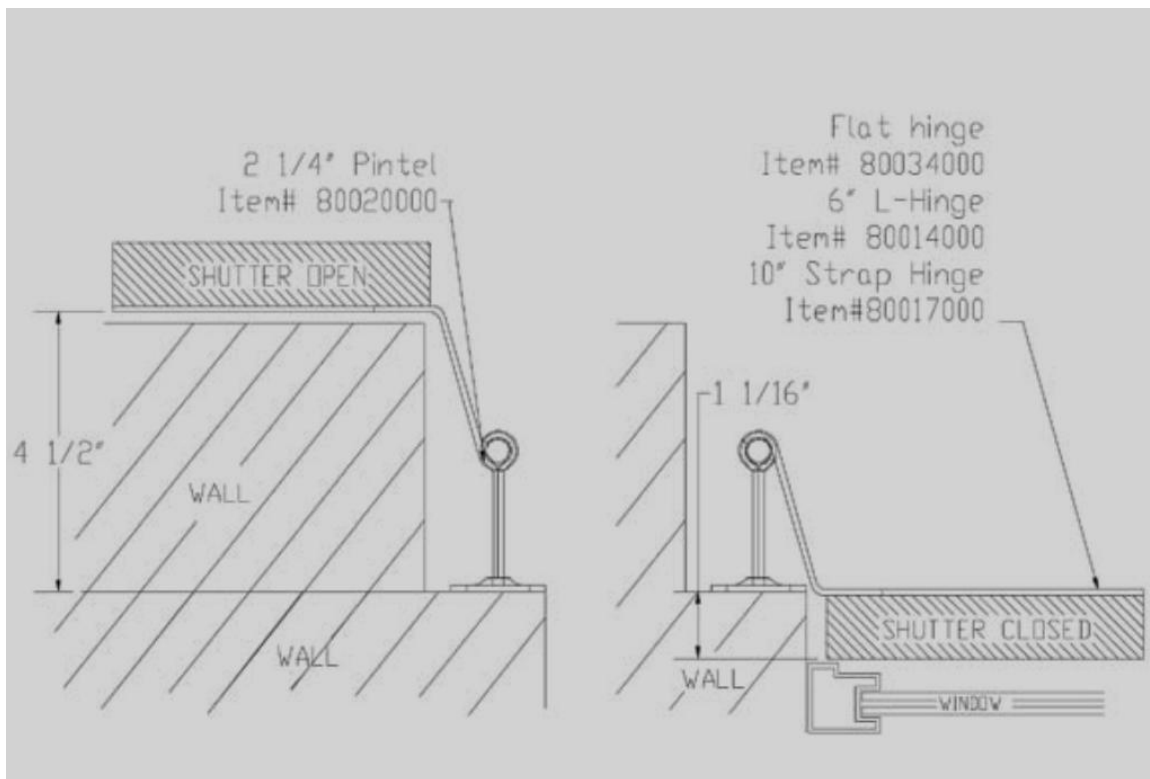
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SHUTTER MEASURING – INSTRUCTIONS

PINTEL AND STRAP HINGE COMBINATION

OPTION #5

$\frac{1}{2}$ " and 1-1/2" Pintels are not compatible with these hinges.



The ideal setup is to have the Shutter flush with the casement when the Shutter is in the closed position.

The Pintel Shims can be added to make small adjustments of 1/4", 1/2" and 3/4".

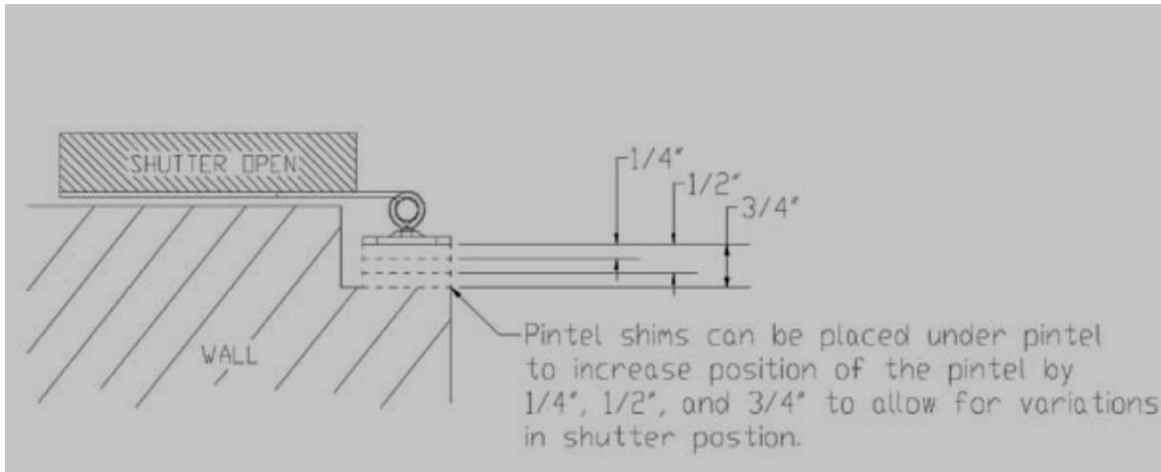
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CHADSWORTH INCORPORATED

277 NORTH FRONT STREET ▪ HISTORIC WILMINGTON, NC 28401 ▪ PHONE: 1.800.486.2118 ▪ FACSIMILE: 1.910.763.3191 ▪ E-MAIL: sales@columns.com

SHUTTER MEASURING – INSTRUCTIONS

PINTEL SHIM



All hardware is made from 304 Stainless Steel, and is Powder coated Black finish.

Shipment

- When you receive your order, please inspect the cartons for visual damage.
- Remove the shutters from the packages and inspect for any concealed damage.
- Count the number of shutters and hardware received as compared to the packing slip.
- In order for Chadsworth to file a freight claim we must file the claim within 5 days of delivery.
- Chadsworth WILL NOT ACCEPT any damage claims if we are not notified within 5 days from the delivery date.

Finish

Chadsworth Shutters are provided either primed or finished.

Warranty

- Architectural Collection Shutters
Limited lifetime warranty on structure. 15-year warranty on finish.
- Classic Collection Shutters
10-year warranty on structure and finish.

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SHUTTER MEASURING – INSTALLATION

Hold the shutters in place in the window opening.

Using shims center the shutter in the opening to create a 1/4" gap around all 4 sides of the shutter, and 1/4" gap between the center of the 2 shutters.

Identify the location of the Hinges and Pintels.

We recommend that the following number of Hinges be used for different height shutters.

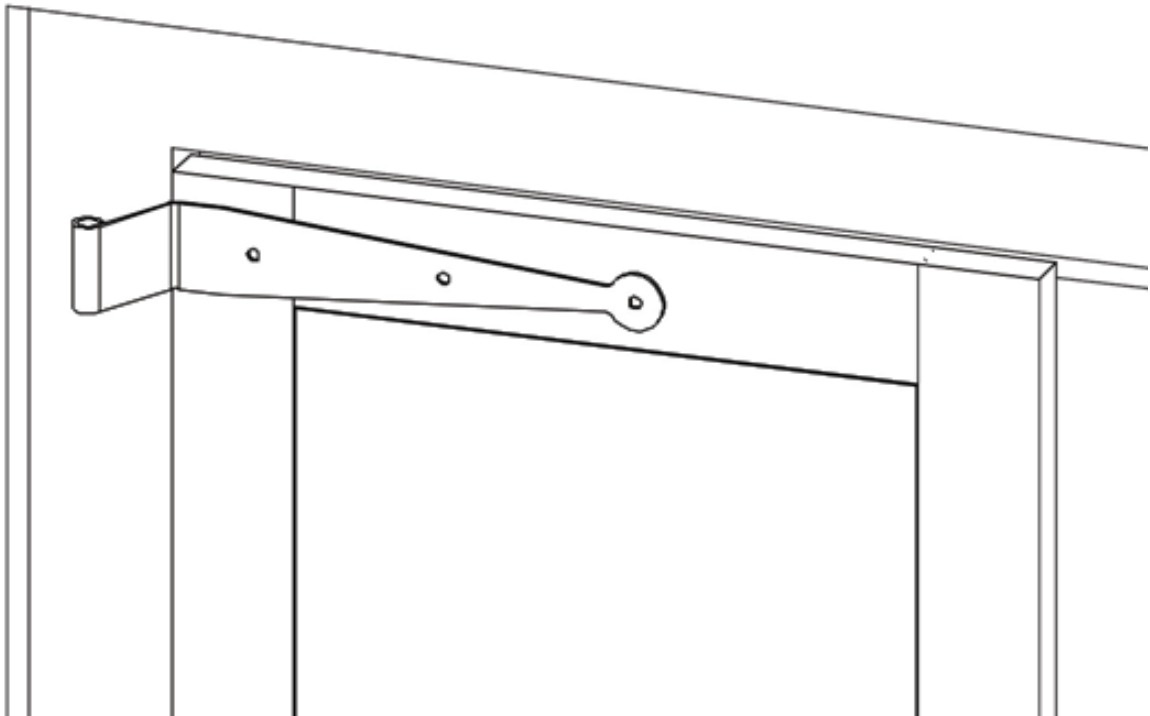
Height up to 48" – 2 Hinges per shutter

Heights from 49" to 96" – 3 Hinges per shutter

Height from 97" to 120" – 4 Hinges per shutter

Identify the locations of the Pintel on the wall and mount each pointing in the upward position, except for the two bottom pintels. These will be mounted after the Strap Hinges are assembled to the shutter and after the shutter has been hung on the top pintel for final assembly.

After the shutter is hung reverse the 2 bottom Pintel pointing downward. This will prevent the shutter from being blown off.



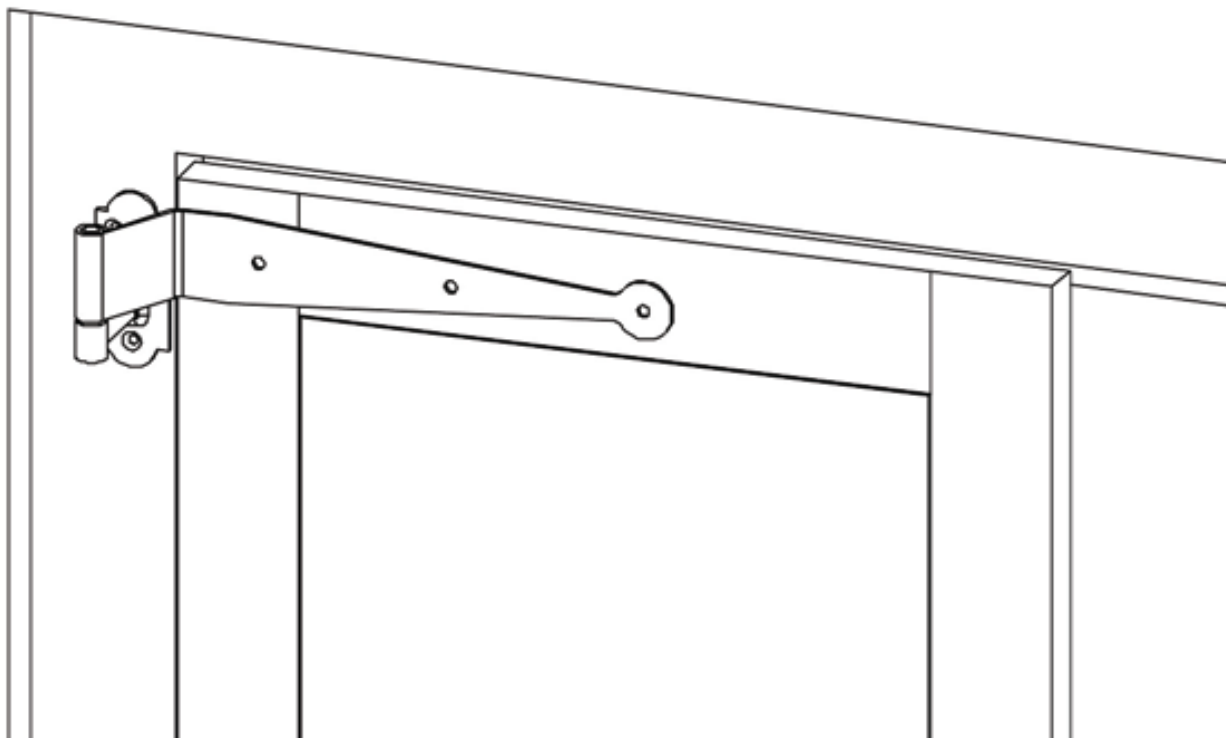
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SHUTTER MEASURING – INSTALLATION

With the Shutters setting in the window opening, attach the Strap Hinge to each Pintel and rotate the Hinge to lay flush with the face of the shutter. Mark the location of the screw holes.



Remove the shutter from the window opening.

Drill 1/8" diameter pilot holes through the face of the stiles. Be careful not to drill through the opposite side of the stile.

Mount the Hinges with the screws provided with the Hardware.

Slide Bolts are normally mounted on the center rail of the outside of the shutter in the open position.

They function best when located in the center of the shutter.

Lay the shutter on a set of horses side by side. Align the pair in the closed position.

Align the large body of the Slide Bolt to the inside edge of the shutter and mark the hole locations.

Drill 1/8" diameter pilot holes through the face of the stiles. Be careful not to drill through the opposite side of the stile.

Screw the large body of the Slide Bolt to the shutter.

Align the Latch portion of the Slide Bolt with the edge of the opposite shutter and mark the hole locations.

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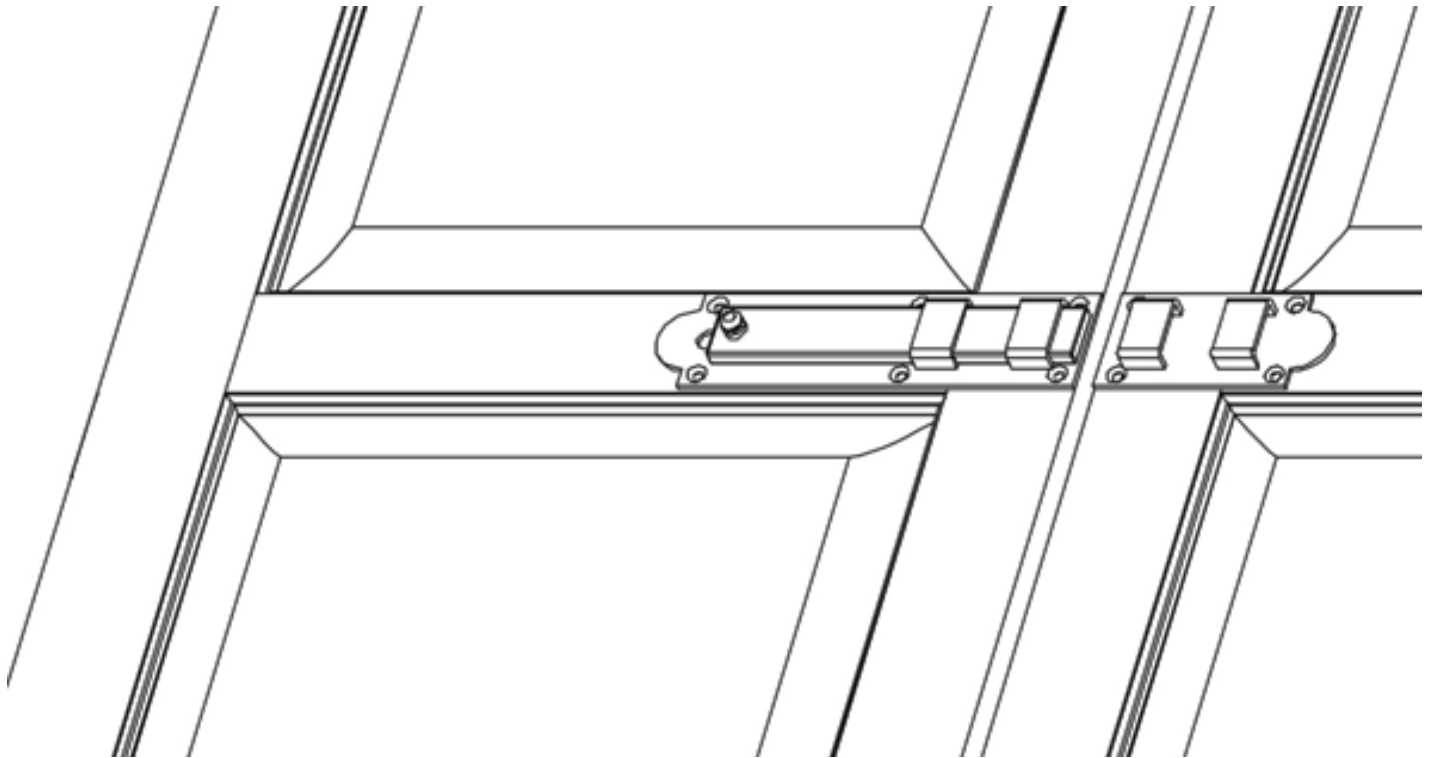
SHUTTER MEASURING – INSTALLATION

Drill 1/8" diameter pilot holes through the face of the stiles.

Be careful not to drill through the opposite side of the stile.

Screw the Latch portion to the shutter.

NOTE: *The Slide Bolt is use as a decorative assent and is not designed as a storm bar holding device.*



Hang the shutters on the Pintel, check for uniform gap clearance and make sure the shutters are plum.

Locate the position of the bottom Pintel on the wall, place the Hinge on the pintel and pivot flush to the shutter and mark the hole locations.

Remove the shutter and assemble the bottom hinge to the shutter.

Again hang the shutter in place and attach the bottom Pintel (In reverse pointing down).

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SHUTTER MEASURING – INSTALLATION

With the shutters in the closed position, locate the Acorn Hold Back Clip 1" down from the upper corner and 11/16" from the edge of the stile. Mark the hole location and Drill 1/8" diameter pilot holes through the face of the stiles. Be careful not to drill through the opposite side of the stile.

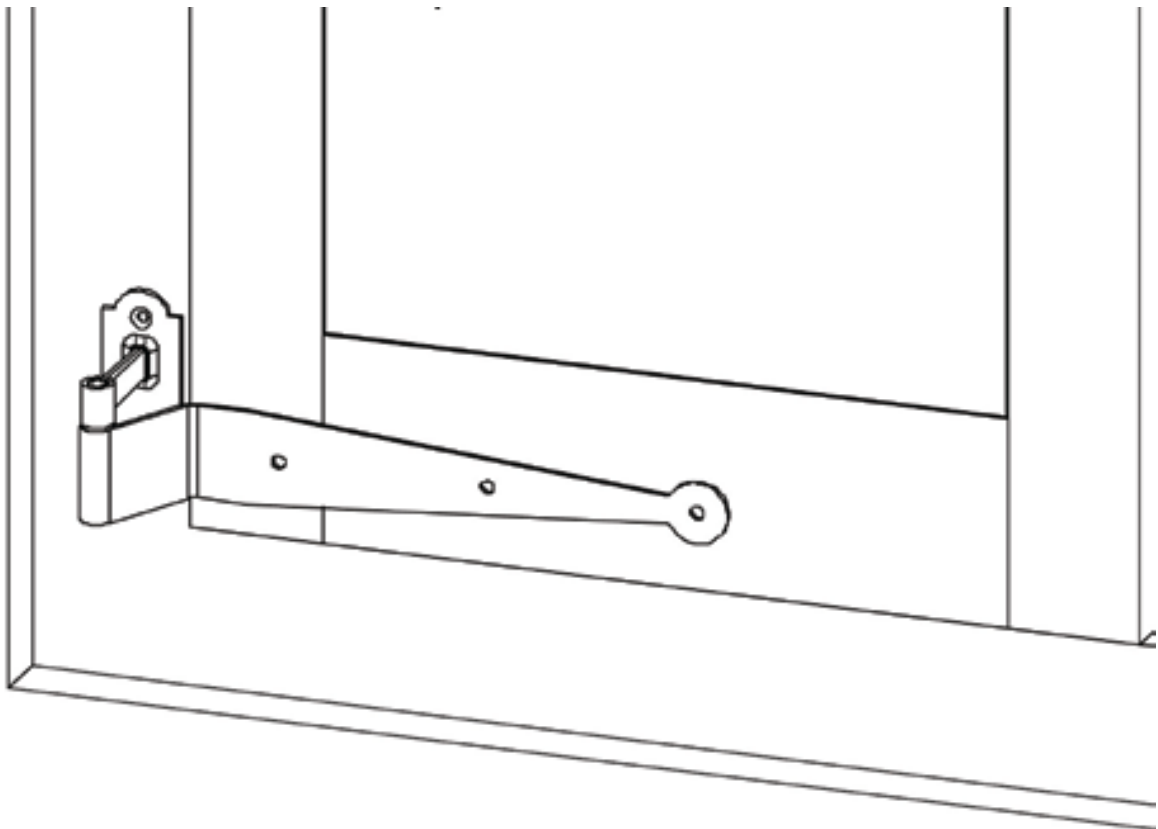
Screw the Hold Back Clip in position.

It is recommended that you use 2 Acorn per shutter.

Shutters larger than 55" in height require 2 sets of Acorns per shutter.

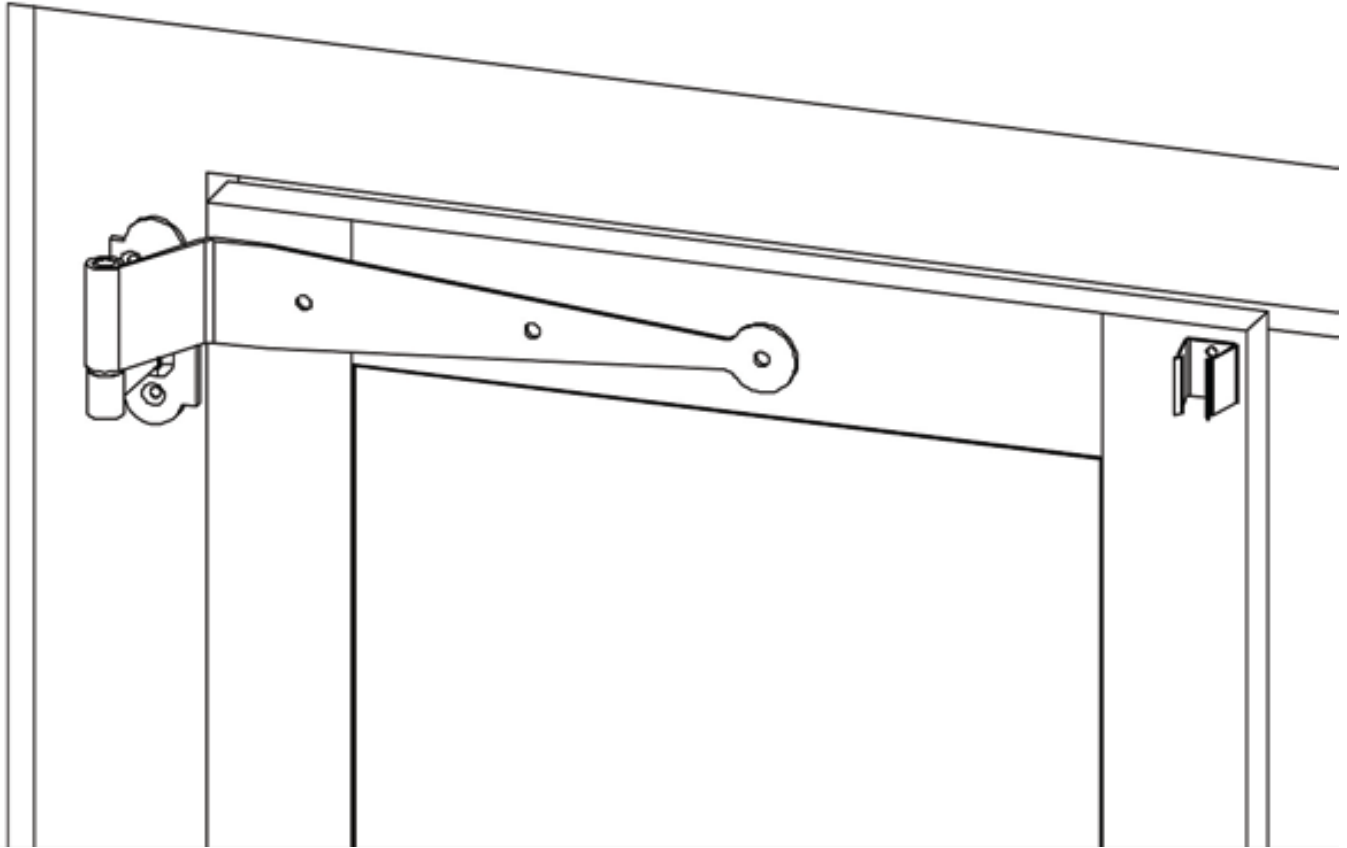
Repeat the above step on the bottom corner of the shutter.

IMPORTANT: *Acorn Holdbacks are recommended for use on the top outside corner and bottom outside corner of each shutter. DO NOT install Acorn Holdbacks in the middle of the shutter.*



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SHUTTER MEASURING – INSTALLATION



Swing the shutter open and mark the location for the Acorn Clip on the wall. If mounting in a wood surface drill a 1/4" pilot hole and mount the Acorn Clip. If mounting in a masonry surface, use the appropriate anchor.

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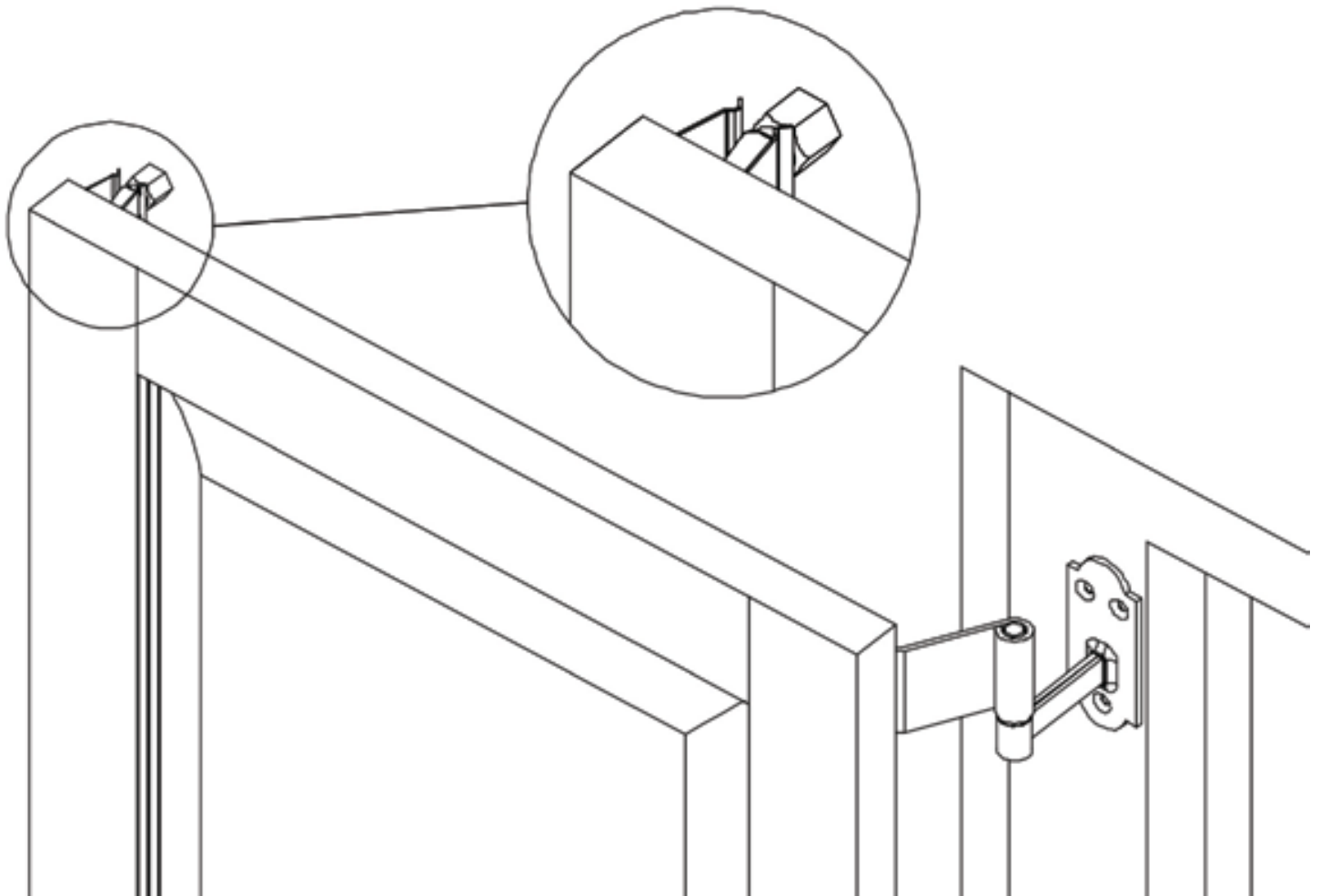
SHUTTER MEASURING – INSTALLATION

After the Acorn clips are attached to the wall and the shutter is locked in the open position you can install the S Holdback or the Rat-tail Holdback.

To install the S Holdback or a Rat-tail Holdback, measure 1 1/2" down from the bottom edge, and 1 3/4" in from the outside edge of the shutter. If mounting in a wood surface drill a 1/4" pilot hole. If mounting in a masonry surface use the appropriate anchor.

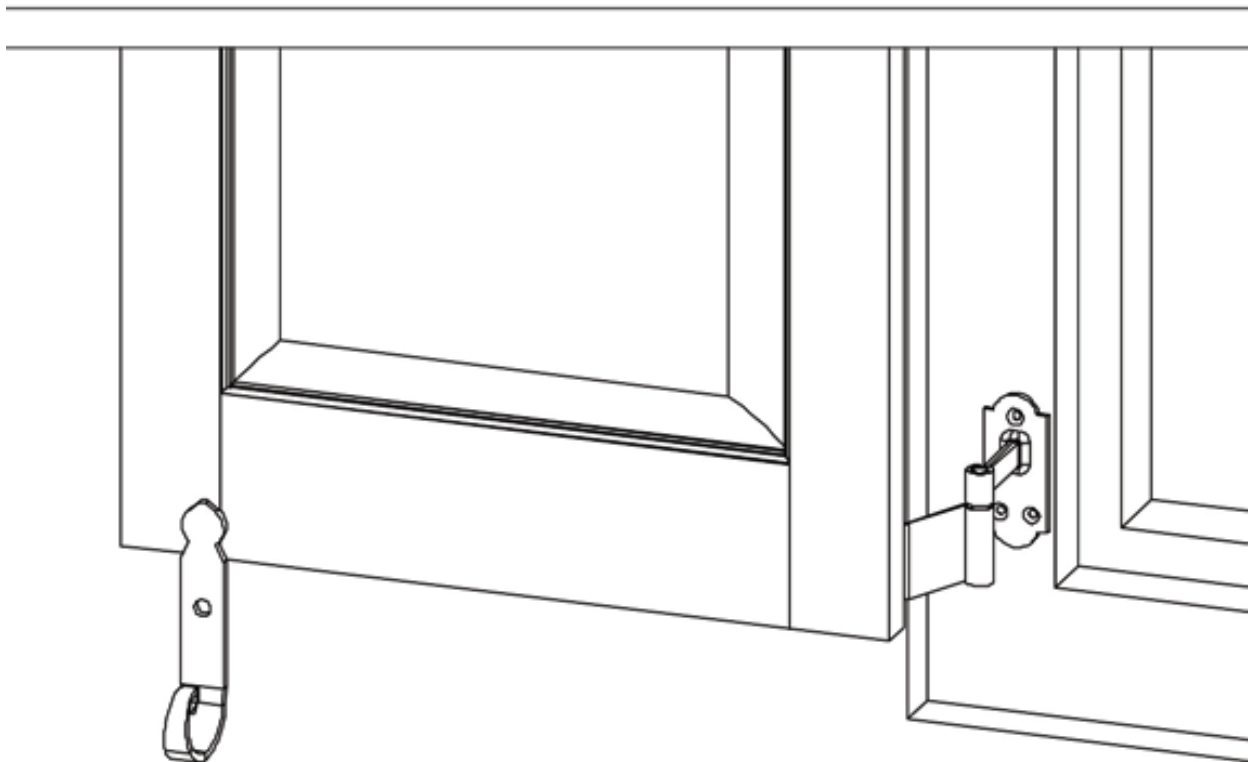
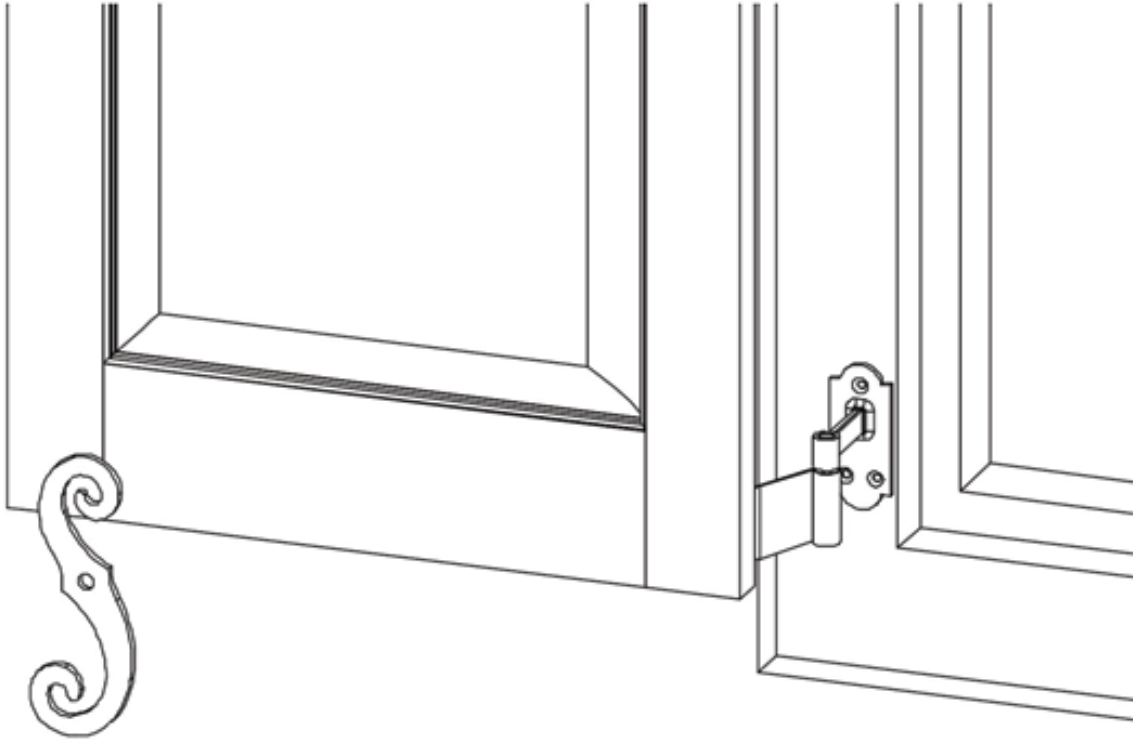
Screw the S Holdback or Rat-tail Holdback in place.

The S Holdback and Rat-tail is recommended as a decorative use as opposed to a functional one.



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SHUTTER MEASURING – INSTALLATION



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