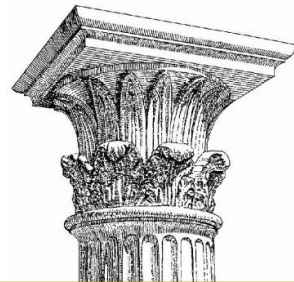


CHADSWORTH COLUMNS



STORM RATED HARDWARE – INSTALLATION

For varying heights of shutters, use the following quantities of hinges per shutter:

Height from 12" to 48", Two hinges per shutter

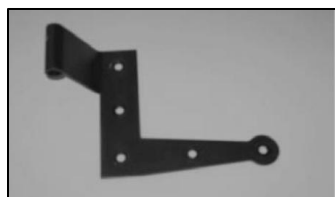
Height greater than 48" to 76", Three hinges per shutter

Height greater than 76" to 102", Four hinges per shutter

L-Hinges and Flat Hinges are the only approved hardware for storm rated mounting. L-Hinges are typically used at the top and bottom of the shutter. Flat Hinges are used between L-Hinges when 3 or 4 hinges are needed.

The L-Hinge is shown for instructional purposes. If a Flat Hinge is being used, follow the same installation methods.

ARCHITECTURAL SHUTTER COLLECTION – HARDWARE



L-Hinge

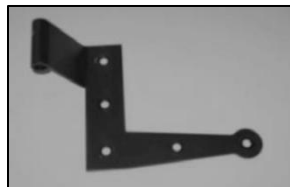


Flat Hinge



#12 x 1" Screw

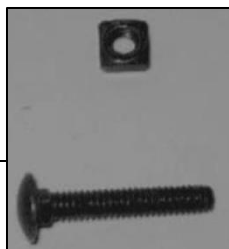
CLASSIC SHUTTER COLLECTION – HARDWARE



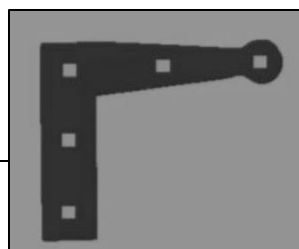
L-Hinge



Flat Hinge



Carriage Bolt &
Square Nut



L-Hinge
Backer Plate



Flat Hinge
Backer Plate

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STORM RATED HARDWARE – INSTALLATION

Architectural Collection Mounting

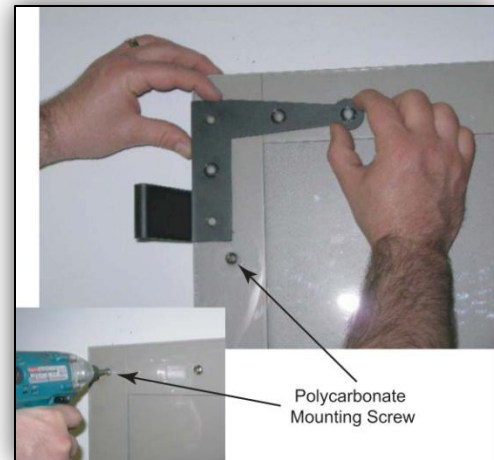
STEP 1

Measure and mark hinge locations as shown. The top and bottom hinges are typically placed 1" from the ends of the shutter.



STEP 2

Align the hinge to the outer edge of the shutter and to one of the marks previously measured. If a Polycarbonate Mounting Screw is in the way, remove it.



STEP 3

Using the hinge as a template, drill 5/32" pilot holes in the shutter. Use caution not to drill completely through the shutter.



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STORM RATED HARDWARE – INSTALLATION

STEP 4

Attach the hinge using the supplied #12 x 1" screws.



STEP 5

Repeat steps 2-4 for the remaining hinge(s).

STEP 6

Repeat steps 1-5 for the other shutter. Make sure to attach hinges to the opposite edge of the shutter as the first. This creates a left and right shutter.

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STORM RATED HARDWARE – INSTALLATION

Classic Collection Mounting

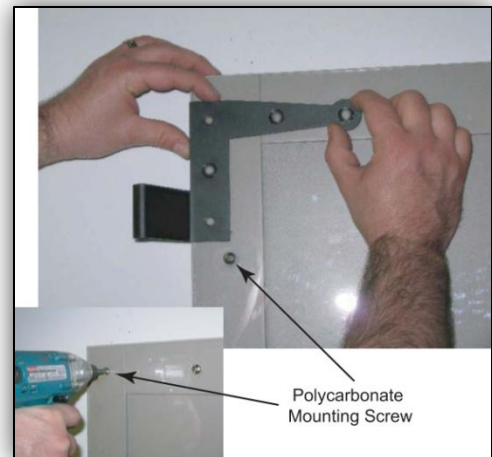
STEP 1

Measure and mark hinge locations as shown. The top and bottom hinges are typically placed 1" from the ends of the shutter.



STEP 2

Align the hinge to the outer edge of the shutter and to one of the marks previously measured. If a Polycarbonate Mounting Screw is in the way, remove it.



STEP 3

Using the hinge as a template, drill 1/4" holes through the shutter. Make sure the drill bit is square to the shutter in all directions. The holes **MUST** be drilled straight.

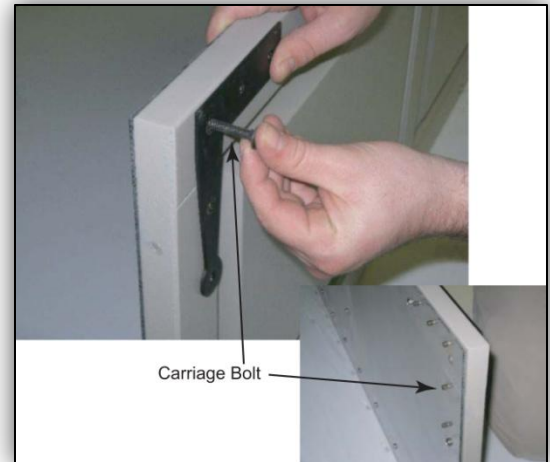


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STORM RATED HARDWARE – INSTALLATION

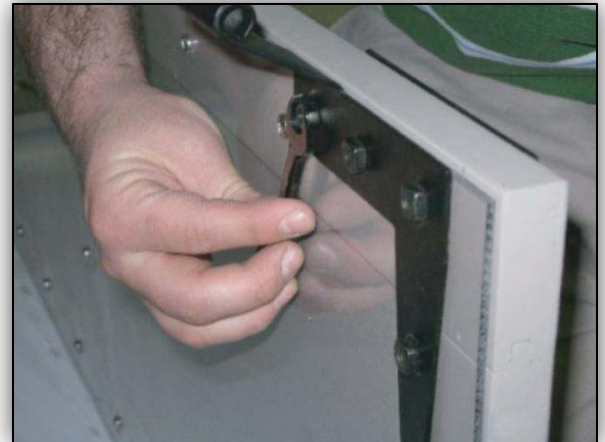
STEP 4-A

Place the Backer Plate on the non-polycarbonate side of the shutter and insert the Carriage Bolts.



STEP 4-B

Attach the hinge to the polycarbonate side of the shutter using the Square Nuts.



STEP 5

Repeat steps 2-4 for the remaining hinge(s).

STEP 6

Repeat steps 1-5 for the other shutter. Make sure to attach hinges to the opposite edge of the shutter as the first. This creates a left and right shutter.

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STORM RATED HARDWARE – INSTALLATION

Pintel Mounting

ANCHOR SPECIFICATIONS

EXISTING STRUCTURE MAY BE CONCRETE, HOLLOW BLOCK OR WOOD FRAMING. FOR PROPER ANCHOR TYPE BASED ON TYPE OF EXISTING STRUCTURE, SEE ANCHOR SCHEDULE BELOW.

ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.

WHERE EXISTING STRUCTURE IS CONCRETE OR HOLLOW CONCRETE BLOCK, MINIMUM EDGE DISTANCE SHALL BE 3" FOR ALL ANCHORS.

WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT PLYWOOD.

MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO OR OTHER EXTERIOR WALL FINISHES.

HINGE PINTEL ALLOWABLE ANCHORS:

TO CONCRETE: 3" FASTENER EDGE DISTANCE
- 3/16" x 1 3/4" EMBED TAPCON OR EQUIVALENT

TO WOOD: 3/4" FASTENER EDGE DISTANCE
- #10 x 1 3/4" EMBED WOOD SCREWS OR EQUIVALENT

STEP 1

Hold the shutters in place in the window opening. Using shims, position the shutter in the opening to create an 1/8" gap around the top, bottom, and hinge side of the shutter. This is only necessary when mounting the shutter in an opening. The 1/8" gap does not apply for overlap conditions.



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STORM RATED HARDWARE – INSTALLATION

STEP 2

Identify the locations of the Pintels on the wall and mount each Pintel pointing in the upward position, except for the bottom pintel. See anchor specifications above for correct fastener.



STEP 3

Mount the bottom Pintel in the downward position. See anchor specifications above for correct fastener. Mounting the bottom Pintel in the downward position prevents the shutter from lifting off.



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STORM RATED HARDWARE – INSTALLATION

STEP 4

If Flat Hinges (not shown) are used between L-Hinges, the corresponding Pintels should point upward.

Once all the Pintels have been fastened to the wall, remove the shims.



STEP 5

Repeat steps 1-4 for the shutter on the opposite side.



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