

ATLANTIC SHUTTER HARDWARE

Storm Rated Installation Instructions

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 COLLECTION ITEMS



L-Hinge



Flat Hinge



#12 x 1" Screw

CLASSIC COLLECTION ITEMS



L-Hinge



Flat Hinge



Carriage Bolt and
Square Nut



L-Hinge Backer Plate



Flat Hinge Backer Plate

ARCHITECTURAL COLLECTION MOUNTING

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



- 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.



Polycarbonate Mounting Screw

- ③ Using the hinge as a template, drill 5/32" pilot holes in the shutter. Use caution not to drill completely through the shutter.





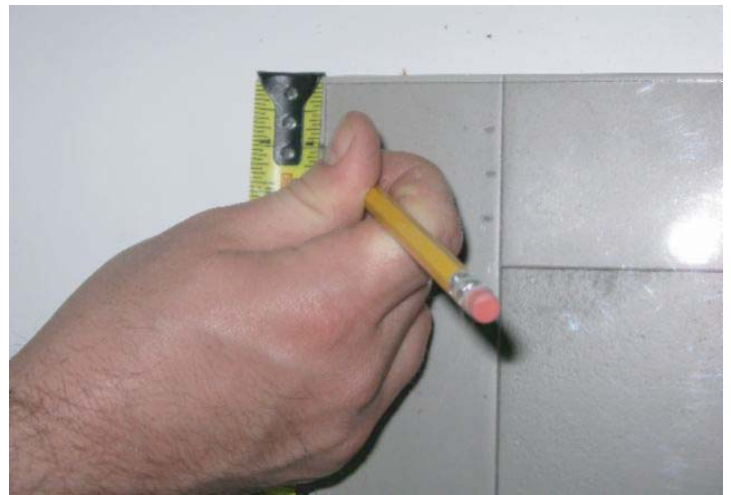
- ④ Attach the hinge using the supplied #12 x 1" screws.

- ⑤ Repeat steps 2-4 for the remaining hinge(s).

- 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.

CLASSIC COLLECTION MOUNTING

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

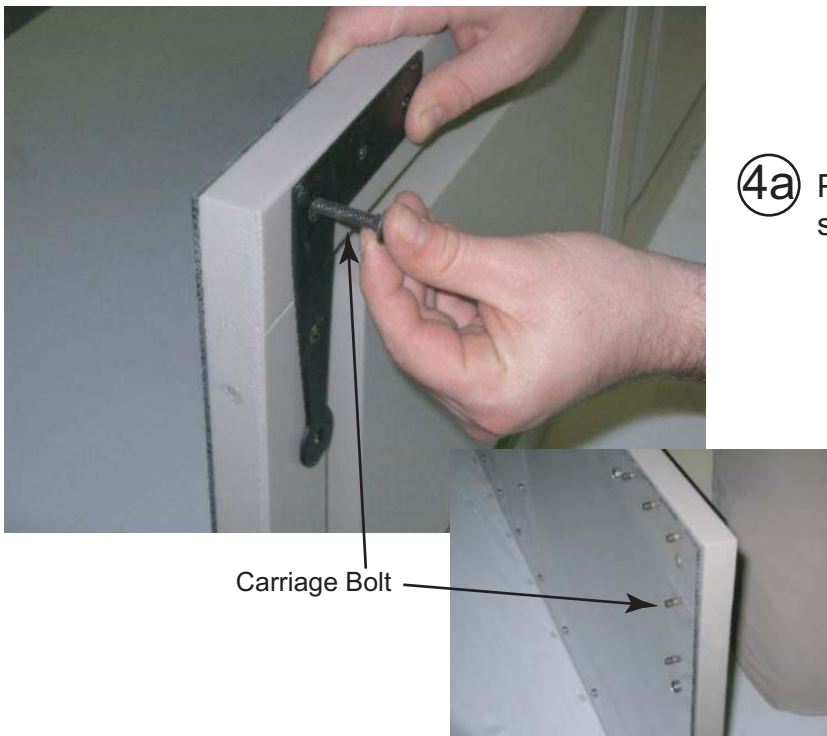


- ② Align the hinge to the outer edge of the shutter and to one of the marks previously measured. If a Polycarbonate Mounting Screw is in the way, remove it.



Polycarbonate Mounting Screw

- 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.



- ④a Place the Backer Plate on the non-polycarbonate side of the shutter and insert the Carriage Bolts.



- ④b Attach the hinge to the polycarbonate side of the shutter using the Square Nuts.

⑤ Repeat steps 2-4 for the remaining hinges.

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.

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

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.



- 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.



- 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.



- 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.



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