

"Miami-Dade County Product Control Approved"  
 Hurricane Shutters and FBC Decorative Shutters  
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 Patent No: U.S. 6,996,934 B2 & 7,131,480 B2  
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Hurricane Shutter Systems - Bahama NOA: 09-0122.07 and Colonial NOA: 09-0122.08, Expiration Date: 11/28/2012  
 Decorative Shutter Systems - Tested and Certified - Florida Building Code TAS 203-94 and ASTM E1233-06

## Installation Instructions: Installing Colonial Shutters with 2 x 4 Guide

### Tools required:

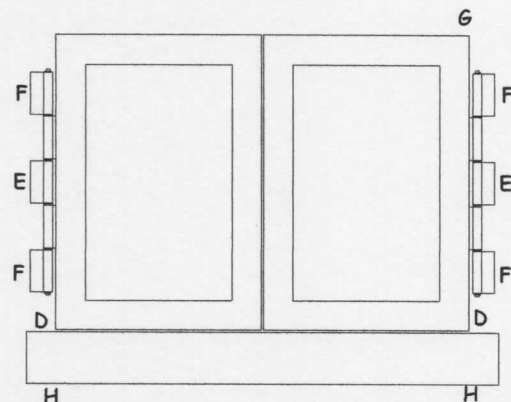
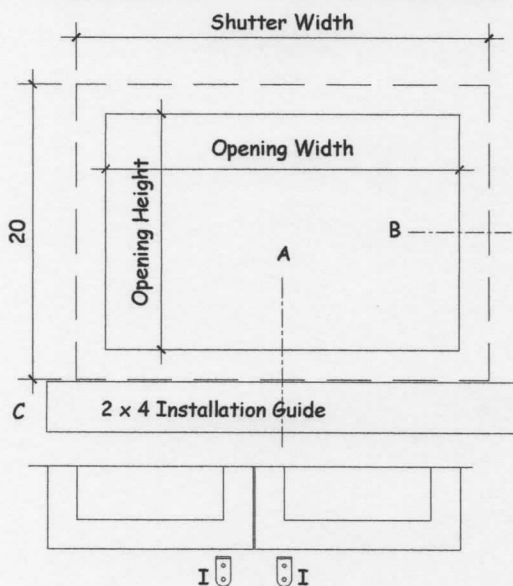
Cordless or elec. hammer drill w/ 5/16" nut driver, Tape measure, Level, Center Punch, Hammer, Pencil and/or Masking tape (to eliminate painting the pencil marks), Pilot drill bit depends on the type of fasteners provided, 2 x 4 - 4" longer then the shutter, and two tap cons or nails to fasten the 2 x 4 to the building

### Items Included:

Fasteners - SS Wood screws or tap cons, 1/4" SS Thumbscrews, and 1/4 x20 Tap

- A Width Center Line - Subtract the opening width from the width of the shutter divide this number by 2 for equal reveal on both sides
- B Height Center Line - Subtract the opening height from the height of the shutter divide this number by 2 for equal reveal on both sides
- C Temporarily fasten a (level) 2 x 4 to the building where you want the bottom (sill) of the shutter, cut the 2 x 4 4" longer then the shutter width (2" on each side)

- D Draw a line on the 2 x 4 where you want the sides (jamb) of the shutter, place the shutter on the 2 x 4
- E Fasten the center hinge (one screw) to the building
- F Push each outside hinge inward, so each hinge is tight to the center hinge (hinge pin is longer then hinge assembly), install one screw in each hinge
- G Check the shutter alignment then install the remainder of the screws
- H Remove the 2 x 4 and patch the holes



- I Make a line 1/4" below the bottom of the shutter at the 1/4" threaded hole (to remove any paint from the hole for the thumbscrew use the 1/4 x 20 Tap to clean the hole), install the thumbscrew through the bracket hole and screw it into the shutter (top of bracket even with line), fasten the bracket to the building

J To open the shutter, remove the thumbscrews, push the shutter outward, install the hold our rods into the holes at the back of the shutter and into the hole in the brackets

L Reinstall the thumbscrew into the threaded holds for storage in the open position