



"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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Miami-Dade County Product Control Approved, Bahama & Colonial Shutters, TAS 201, 202, 203, NOA's @ www.miamidade.gov/building
 FBC Engineered & Certified Decorative Shutters, TAS 202 & ASTM E330-Uniform Static, ASCE 7-10 Wind Loads - Components & Cladding

General Product Description BSI Hurricane Shutter Systems

BSI has developed, tested and certified "Miami-Dade County Product Control Approved" Bahama, Colonial, and Bahama over Colonial Shutter Systems

Our Shutters are the simplest shutter systems on the market to open and close

- Closing Bahama Shutters: One 1/4" thumbscrew on each side at the bottom (sill) of each leaf
- Closing Colonial Shutters: Two 1/4" thumbscrew one on the bottom (sill) & one on the top (head) of each leaf

Most shutters close from the inside depending on the type of window or door

- Inside closing: Single hung, double hung, or horizontal sliding windows, and in swing doors
- Outside closing: Awning, casements, or fixed windows, and out swing doors

Build Out Frame (required for approved hurricane shutters) and Shutters

Custom measured, designed, and manufactured for each opening. Mitered corners and butt connections, welded then sanded to a smooth finish. We use a stamped weld guide to maintain exact slat (louver) tolerances. Slat is welded to the shutter frame and mullion(s) then a back cover is installed to conceal the welds.

Shutter Assembly: Hurricane Shutters has a Build out Frame (BOF) that attaches to the building structure around the window or door opening, then the Shutter attaches to the BOF. We factory assemble the Shutters to the BOF to insure the quality and for ease of installation. Pediments, crossheads, keystones, and decorative millwork can be factory applied to the BOF for an additional fee.

Shutter Finish: Weather resistant TCI or SPRAYLAT powder coatings, RAL colors, Options (some colors and powder types subject to additional fee depending on powder coater's standard colors & types); Acrylic, Epoxy, Polyester, Polyurethane, Hybrid

All components remain with the shutters in the open or closed positions: **No lexan backer, No solid, or slotted backer panels, No added storm bars or clips required for BSI Shutters**

Weight of the shutter on each fastener when attached to the building, our system weighs 6 pounds per square
 Example: 6' wide x 8' high = 378 pounds @ 150 mph = 20 fasteners = 19 pounds on each fastener

Design Pressures	Positive	Negative
Bahama Hurricane Shutter Systems	+84.7 psf	- 113.3 psf
Colonial Hurricane Shutter Systems	+84.7 psf	- 113.3 psf
Bahama over Colonial Hurricane Shutter Systems	+ 77 psf	- 77 psf

Lab Certification: Miami-Dade County (05-1014.01), Florida Building Code (TST1527), Keystone Certifications, Texas Department of Insurance (TDI), IAS-ES (TL-244), AAMA, and WDMA