



"Miami-Dade County Product Control Approved"
 Hurricane Shutters and FBC Decorative Shutters
www.bsishutters.com Email: bsishutters@juno.com
 Patent No: U.S. 6,996,934 B2 & 7,131,480 B2
 2841 Shoreview Drive, Naples FL 34112
 Office: 239-774-2025 Fax: 239-774-9483

Miami-Dade County Product Control Approved, Bahama & Colonial Shutters, TAS 201, 202, 203, NOA's @ www.miamidade.gov/buildingcode/
 FBC Tested, Engineered & Certified Decorative Shutters, TAS 202 & ASTM E330-Uniform Static, TAS 203 & ASTM E1886/E1996-Cyclic

Architectural Specifications Hurricane Shutter Systems

Manufacture: Briscoe Shutters Inc., 2841 Shoreview Drive, Naples, Florida 34112
 Office: 239-774-2025 Fax: 239-774-9484 Email: bsishutters@juno.com

Part 1 General

Miami-Dade County, Product Control Search, Applicant, Briscoe Shutters Inc, www.miamidade.gov/buildingcode/
 Aluminum Bahama Shutters
 NOA #09-0122.07, Expiration Date 11/28/2012, Design Pressures +84.7 psf & -113.3 psf
 Aluminum Colonial Shutters
 NOA #09-0122.08, Expiration Date 11/28/1012, Design Pressures +84.7 psf & -113.3 psf
 Aluminum Bahama over Colonial Shutters
 Bahama - NOA #09-0122.07, Expiration Date 11/28/2012, Design Pressure +77 psf & -77 psf
 Colonial - NOA #09-0122.08, Expiration Date 11/28/2012, Design Pressure +77 psf & -77 psf

Lab Certifications

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

Tests

Large Missile Impact	Florida Building Code TAS 201 and ASTM E1886/1996
Uniform Static Load Test	Florida Building Code TAS 202 and ASTM E 330
Cycle Load Test	Florida Building Code TAS 203 and ASTM E1886/1996
Shop Drawings	Submit shop drawings for shutter approval, type of hardware, & fasteners
Shutters Identification	Numbers stamped on the top of each Build Out Frame & Shutter(s) corresponding with size and/or location

Part 2 Products

Hurricane Bahama Shutter	Build Out Frame and Shutter(s), shutter hinges are on the top (head) attached to the build out frame. Refer to Briscoe Shutters Inc, approved NOA's
Hurricane Colonial Shutter	Build Out Frame and Shutter(s); shutter hinges are on the sides (jamb) attached to the build out frame. Refer to Briscoe Shutters Inc, approved NOA's
Hurricane Bahama over Colonial Shutter	Build Out Frame and Shutters, combination of bahama and colonial shutters Refer to Briscoe Shutters Inc, approved NOA's

Part 3 Material & Assembly Assembly

Build Out Frame	Aluminum Alloy, 6063-T53 & 6005; Tube, Flat Bar & Rod, Architectural Angle 1" (deep) * x 4" (wide) ** x 1/8" (material thickness), Miter cut corners, weld @ miter cut front & back surface
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* Depth of the Build Out Frame depends on the glass location, Miami-Dade County Product Control Approved Specifications, 1", plus maximum deflection

** With of the Build Out Frame minimum 3", standard 4" larger widths available upon request

Shutter Leaf

Shutter Frame	2" x 1-1/2" x 1/8" Rectangle Tube; Miter cut corners, weld @ miter cut front & back surface
Head/Sill Spacer	1" x 1" x 1/8" Square Tube; Weld to shutter frame head & sill at corners and middle at optional vertical mullion
Weld Guides	1" x 1" x 1/8" Architectural Angle (with stamped slots for slats/louvers); Weld at head (top), sill (bottom), & 6" o/c on the inside vertical surface of the shutter frame
Vertical Mullion	1-Right hand & 1-Left hand Weld Guides, required @ clear span over 20.5"; Weld to head (top) and sill (bottom), of the shutter frame
Horizontal Mullion	2" x 1-1/2" x 1/8" Rectangle Tube, required @ vertical clear spans over 48-3/8"; Weld to jamb (sides) of shutter frame
Slats (Louvers)	1/4" x 1" Flat Bar; Slats are placed into the weld guide, welded to the inside jambs (sides) of the shutter frame and optional vertical mullion. Perpendicular opening between each 1/4" x 1" fixed slat is 1/8". Opening between each fixed slat at the 45-degree angle is 1/2"
Weld Guide Back Covers	
Jambs	1/8" x 1" Flat Bar; Weld to shutter frame and at slat 8" o/c
Vertical Mullion	1/8" x 2" Flat Bar; Weld to shutter frame and at slats 8" o/c
Grind & Sand	Grind surface welds and sand to a smooth finish
Hinges	Width & number of hinge leafs is governed by the design pressure, refer to Briscoe Shutters Inc, approved NOA's
Fasteners	We supply all fasteners for a complete installation, Refer to "Miami-Dade County, Product Control Search at (www.miamidade.gov/buildingcode/) for approved fastener manufactures
Hold Close Methods	Refer to Briscoe Shutters Inc, approved NOA's
Hold Open Methods	Refer to Briscoe Shutters Inc, approved NOA's

Part 4 Finish

Shutter Prep	Powder Coating; RAL - Option (additional fee) - Acrylic, Epoxy, Polyester, Polyurethane, Hybrid, Super, and Textures
Powder Coating	Sand blast shutters, hinge leafs, and brackets to remove oils, coolant solutions & wax
Bake Cycle	Apply powder (2 to 5 mill dry thickness)
Color Selection	385 Deg. F @ 10 minutes,
Fastener Finish	Select from manufactures stock color or as selected by the Architect (some colors and powder types subject to additional fee)
Mill Finish Hardware	Manufacturer's coating
Performance Testing;	Hinge Rods & Hold Open Rods
	Flexibility (conical mandrel): 1/8", Impact (Direct/Reverse): 120/120, Hardness (pencil): 2H, Chemical (MEK): 50 double rubs, Oven Bake: 2X, Weathering: 5 yrs

BSI approved NOA's; Printable copies available at www.bsishutters.com, left column, open, NOA & FBC Approvals, or Miami-Dade County, Product Control Search, applicant, Briscoe Shutters Inc at www.miamidade.gov/buildingcode/