

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION SHU-212

Effective Date: May 1, 2013

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **May 2017**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.

Brickhouse Bifold Low Profile Colonial Shutter manufactured by

Eastern Metal Supply, Inc.
9400 Telge Road
Houston, Texas 77095
(800) 996-6061

will be accepted for use in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with this product evaluation.

PRODUCT DESCRIPTION

The Brickhouse Bifold Low Profile Colonial shutters are a permanently mounted shutter system. The shutters are constructed from 6063-T6 aluminum allow unless otherwise denoted on the drawings. The shutters consists of four panels with an overall dimension of 81" wide x 99 ½" high, and each panel has an overall dimension of 20 ⅛" wide x 99 ½" high. Each panel consists of extruded aluminum jambs, top and bottom rails, louver blades, hinges and storm bars. The shutters shall be constructed in accordance with the approved drawings referenced in this product evaluation report.

Product Identification: A permanent label will be applied to the shutter. The label includes the manufacturer's name, the name of the product, Missile Level D, the design pressure rating, and the following applicable standards: ASTM E 1886-04, ASTM E 1996-04 and ASTM E 330-02.

The shutter also has a permanent label with instructions to secure the shutter with storm bars and safety pins during a hurricane event.

LIMITATIONS

Design Drawings: The Colonial shutters shall be installed in accordance with "Brickhouse Bifold Low Profile Colonial Shutter System," job no. 368-0446T-09, sheets 1 of 4 thru 4, dated November 1, 2012, signed and sealed by Brandon T. Jasek, P.E. on April 22, 2013. The referenced drawings will be referred to as the "approved drawings" in this product evaluation report.

Design Wind Pressure: ±60 psf

Note: Shutters shall be in a closed and locked position to achieve the design pressure rating.

Maximum Overall Dimensions: 81" wide x 99 ½" high x 1 ½" deep.

Maximum Dimensions of Individual Panels: 20 ⅛" wide x 99 ½" high x 1 ½" deep.

Separation Distance from Glazed Openings: The shutter shall be separated a minimum of 3 inches from the glazing.

Impact Resistance: This shutter assembly satisfies the Texas Department of Insurance's criteria for protection from windborne debris in both the **Inland I zone** and the **Seaward zone**. The shutter assemblies passed Missile Level D specified in ASTM E 1996-04. The shutter assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

INSTALLATION INSTRUCTIONS

General Installation Requirements:

All shutters shall be installed in accordance with the approved drawings.

Wall Construction: The Colonial shutters shall be secured to the following types of wall framing:

- Wood (minimum Southern Yellow Pine dimension lumber)

Anchorage:

The shutter assembly shall be secured to the wall framing in accordance with page 3 of 4 of the approved drawings. The fasteners shall be long enough to penetrate a minimum of 2 inches into the wall framing.

Note: The manufacturer's installation instructions and the approved drawings shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) and the International Building Code (IBC).