



WALTER A. TILLIT, JR., P.E.

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PRODUCT EVALUATION REPORT

REPORT NO.: 23-0707.02
DATE: July 7, 2023
PRODUCT CATEGORY: Hurricane Shutters
PRODUCT SUB-CATEGORY: Bahama Shutters
PRODUCT NAME: **HINGED AND FOLDING BAHAMA SHUTTERS**
MANUFACTURER: **Reliable Shutter Co.**
180-B Rich Street
Venice, FL 34292

1. PURPOSE OF EVALUATION:

This is a Product Evaluation Report issued by **Walter A. Tillit, Jr., P.E.** (System ID # 1906) to **Reliable Shutter Company**, based on **Rule Chapter No. 61G20-3, Method 1D of the Florida Department of Business and Professional Regulation**.

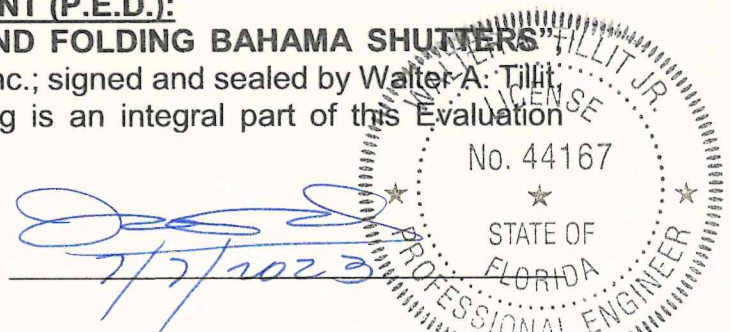
This product is being issued an Evaluation Report as described herein, and has been verified for compliance in accordance with the 2023 Eighth Edition of the Florida Building Code, and to verify that the product is for the purpose intended at least equivalent to that required by the Code.

This Product Evaluation Report shall be subject to review and revision in case of a Building Code Change that may affect its limitations and conditions.

2. EVIDENCE SUBMITTED:

2.1. PRODUCT EVALUATION DOCUMENT (P.E.D.):

Drawing No. 23-077, titled "**HINGED AND FOLDING BAHAMA SHUTTERS**", sheets 1 thru 7 of 7 prepared by Tilteco, Inc.; signed and sealed by **Walter A. Tillit, Jr., P.E.**; dated **07/07/2023**. This drawing is an integral part of this Evaluation Report.



2.2. TEST REPORTS:

Uniform Static loads load in accordance with section 1609.1.2 of the Florida Building Code, per protocol TAS 202 and ASTM E-330 Standard.

Test reports prepared by Fenestration Testing Lab, Reports No. 5221, dated April 21, 2007, signed and sealed by Carlos S. Rionda, P.E., and 5256, dated May 1, 2007, signed and sealed by Carlos S. Rionda, P.E.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On Hinged and Folding Bahama Shutters for maximum anchor spacing vs. design wind load and shutter span based on rational and comparative analysis, and in accordance with section 1604 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated 06/01/07, signed and sealed by Walter A. Tillit, Jr., P.E.

3. MISSILE IMPACT RESISTANCE:

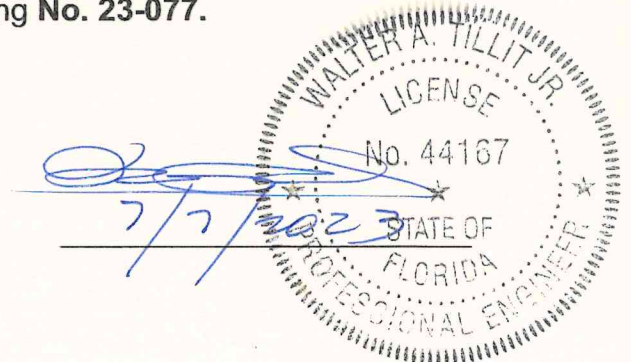
Shutter has not been tested for impact resistance. See item 7 for limitations and conditions of use.

4. WIND LOADS RESISTANCE:

Hinged and Folding Bahama Shutters have been verified to sustain wind pressures. Maximum Shutter Span shall be as indicated on sheet 7 of 7, of Product Evaluation Document (P.E.D.), drawing **No. 23-077**. Maximum Anchor Spacing shall be as indicated on sheet 7 of 7, of Product Evaluation Document (P.E.D.), drawing **No. 23-077**. Hinged and Folding Bahama Shutters have been verified for code compliance to work as a wind load resistant storm shutter assembly, as a Protocol TAS 202 and ASTM E-330.

5. INSTALLATION:

Installation shall be performed strictly in accordance with the details indicated on sheets 3 thru 6 of 7, of Product Evaluation Document (P.E.D.), drawing **No. 23-077**. Minimum separation to glass shall be as indicated on sheet 3, 5, and 6 of 7, of Product Evaluation Document (P.E.D.), drawing **No. 23-077**.



6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

Shall be strictly in accordance with General Notes and Components indicated on sheets 1 and 2 of 7, of Product Evaluation Document (P.E.D.), drawing **No. 23-077**. Anchor specifications shall be as indicated on sheets 1, 3, 4, 5 and 6 of 7, of Product Evaluation Document (P.E.D.), drawing **No. 23-077**.

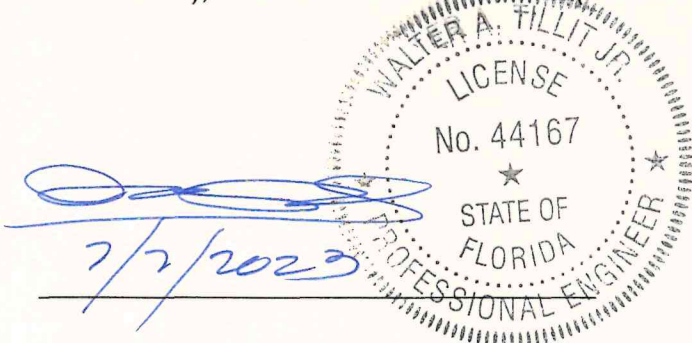
7. LIMITATIONS AND CONDITIONS OF USE:

7.1. Shall be strictly in compliance with General Notes No. 1, 7, 8, 9 and 11, indicated on sheet 1 of 7, of Product Evaluation Document (P.E.D.), drawing **No. 23-077** prepared by Tilteco, Inc. and signed and sealed by Walter A. Tillit, Jr., P.E.

7.2. Product **shall not** be installed within HIGH VELOCITY HURRICANE ZONES as defined on section 202 of the Florida Building Code nor within WIND BORNE DEBRIS REGIONS, as defined by section 202 of the same code.

7.3. Product shall only be installed into poured concrete, concrete block, and wood frame structures.

Product Evaluation Report prepared by Walter A. Tillit, Jr., P.E. (Florida License No. 44167), President of Tilteco, Inc. (Florida CA-0006719).



The image shows a handwritten signature in blue ink, which appears to be "WAT\ma", followed by a date "7/7/2023". To the right of the signature is a circular professional engineer seal for the State of Florida. The seal contains the text "WALTER A. TILLIT JR.", "LICENSE", "No. 44167", "STATE OF FLORIDA", and "PROFESSIONAL ENGINEER" around a central star.

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