



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

PRODUCT EVALUATION REPORT

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FL P.E. License No. 44167
FL C.A. License No. 0006719

REPORT NO.: 23-0721.28

DATE: July 21, 2023

PRODUCT CATEGORY: Hurricane Shutters

PRODUCT SUB-CATEGORY: Colonial Shutters

PRODUCT NAME: ASSA / BERTHA COLONIAL SHUTTER
(WITH STORM BARS)

SUBMITTED BY: American Shutter Systems Association, Inc.
4268 Westroads Drive
West Palm Beach, Florida 33407

1. PURPOSE OF EVALUATION:

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

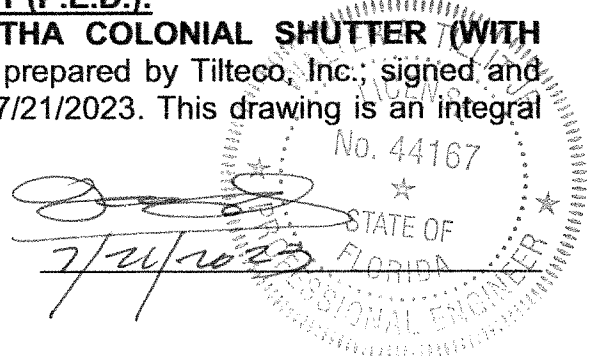
This product is being issued an Evaluation Report as described herein, and has been verified for compliance in accordance with the 2023 8th Edition of the Florida Building Code, and to verify that the product is for the purpose intended at least equivalent to that required by the Code.

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. 23-132, titled "**ASSA/BERTHA COLONIAL SHUTTER (WITH STORM BARS)**", sheets 1 thru 14 of 14, prepared by Tilteco, Inc.; signed and sealed by Walter A. Tillit, Jr., P.E.; dated 7/21/2023. This drawing is an integral part of this Evaluation Report.



2.2. TEST REPORTS:

Large missile impact and fatigue loading under Protocols TAS 201 & 203, as per section 1626 of the Florida Building Code. Uniform Static loads in accordance with section 1626, per TAS 202 Protocol. Test reports prepared by American Testing Lab of South Florida, Report No. 0926.01-07, dated October 10, 2007 signed and sealed by William Mehner, P.E.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On ASSA/Bertha Colonial Shutter (with Storm Bars) for anchor verification vs. design wind load and shutter span based on rational and comparative analysis, in accordance with section 1604 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated 09/17/08, signed and sealed by Walter A. Tillit, Jr., P.E., and on August 11, 2017.

3. MISSILE IMPACT RESISTANCE:

Large missile impact under section 1626 of the Florida Building Code, per TAS 201 Protocol.

4. WIND LOADS RESISTANCE:

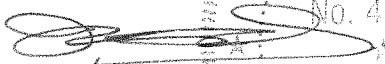
ASSA/Bertha Colonial Shutter (with Storm Bars) has been verified to sustain wind pressures. Maximum Shutter Span shall be as indicated on sheets 3 and 10 of 14, of Product Evaluation Document (P.E.D.), drawing No. **23-132**. Anchor Details shall be as indicated on sheets 4, 5, 6, 11, 12 and 13 of 14, of Product Evaluation Document (P.E.D.), drawing No. **23-132**.

5. INSTALLATION:

Shall be performed strictly in accordance with details indicated on sheets 3 thru 14 of 14, of Product Evaluation Document (P.E.D.), drawing No. **23-132**. Minimum separation to glass shall be as indicated on sheets 7 and 13 of 14, of Product Evaluation Document (P.E.D.), drawing No. **23-132**.

6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

Shall be strictly in accordance with General Notes and Components indicated on sheets 1 and 2 of 14 of Product Evaluation Document (P.E.D.), drawing No. **23-132**. Anchor specifications shall be as indicated on sheets 1, 4, 5, 6, 10, 11 and 12 of 14, of Product Evaluation Document (P.E.D.), drawing No. **23-132**.


7/21/2023
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
WALTER A. TILLIT JR.
LICENSE

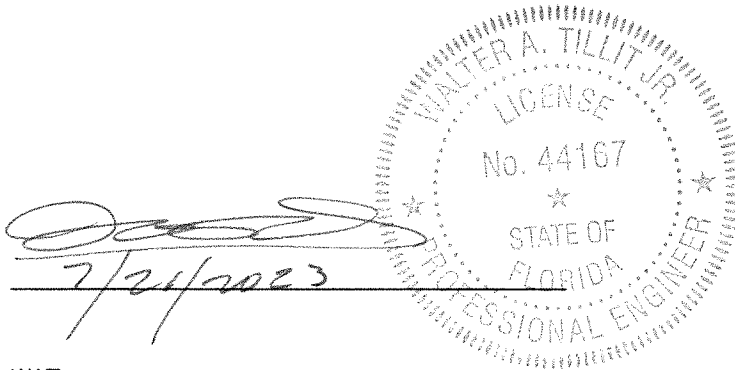
7. LIMITATIONS AND CONDITIONS OF USE:

7.1. Shall be strictly in compliance with General Notes No. 1, 2, 8, 9, 10, 11, 12 and 13, indicated on sheet 1 of 14, of Product Evaluation Document (P.E.D.), drawing No. **23-132** prepared by Tilteco, Inc. and signed and sealed by Walter A. Tillit, Jr., P.E.

7.2. Product **may** be installed within HIGH VELOCITY HURRICANE ZONES as defined on section 202 of the Florida Building Code.

7.3. Product shall only be installed into wood frame, poured concrete or concrete block 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 of Walter A. Tillit, Jr. over the date 7/24/2023. 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.

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