

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

tilteco@aol.com
FL P.E. License No. 44167
FL C.A. License No. 0006719

PRODUCT EVALUATION REPORT

REPORT NO.: 26-0629.06
DATE: June 29, 2026
PRODUCT CATEGORY: Hurricane Shutters
PRODUCT SUB-CATEGORY: Colonial Shutters
PRODUCT NAME: ASSA/BERTHA HV COLONIAL SHUTTER
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.

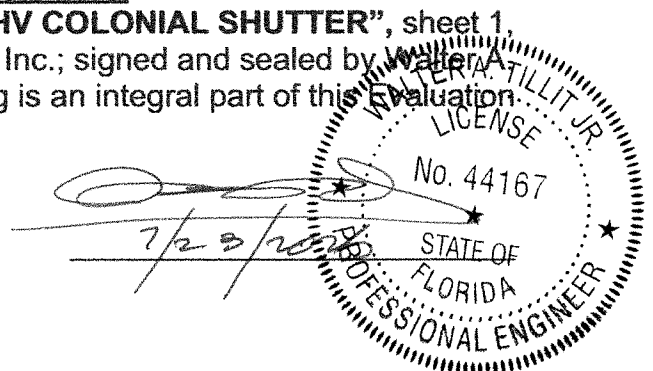
This product is being issued an Evaluation Report as described herein, and has been verified for compliance in accordance with the 2026 9th Edition of the Florida Building Code, and to verify that the product is for the purpose intended at least equivalent to that required by the Code.

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. **26-097**, titled "**ASSA/BERTHA HV COLONIAL SHUTTER**", sheet 1, 2, 3, 3A, 4 thru 14 of 14, prepared by Tilteco, Inc.; signed and sealed by **Walter A. Tillit, Jr., P.E.**; dated 6/29/2026. This drawing is an integral part of this Evaluation Report.



2.2. TEST REPORTS:

Large & Small missile impact and cyclic loading under ASTM E-1886 and ASTM E 1996 Standards, as per section 1609.1.2 of the Florida Building Code. Uniform Static loads in accordance with section 1709.5.2, per ASTM E-330 Standard. Test reports prepared by American Testing Lab of South Florida, Reports No. 1215.01-06, dated December 18, 2006 thru January 4, 2007, Report No. 0131.01-07 dated 03/06/07 signed and sealed by William Mehner, P.E. and Henry Hattem P.E. with addendum dated 07/31/07 signed and sealed by William Mehner, P.E. and Henry Hattem P.E., Report # 1222.01-20, dated 01/21/2021, signed & sealed by Mr. Stephen Warter P.E.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On ASSA/Bertha HV Colonial Shutter for maximum anchor spacing vs. design wind load and shutter span based on rational and comparative analysis, and in accordance with sections 1604 and 2002 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated 02/12/07, revised 07/20/07, signed and sealed by Walter A. Tillit, Jr., P.E., and on August 11, 2017.

On ASSA/Bertha HV Colonial Shutter for New Air Foil Louver Blade Component # A1, as an option to Louver Blade Component A, based on rational and comparative analysis, and in accordance with sections 1604 and 2002 of the Florida Building Code, as well as section 8.5.2 of ASTM E 1996 Standard. Calculations prepared by Tilteco, Inc., dated 10/08/09, signed and sealed by Walter A. Tillit, Jr., P.E.

3. MISSILE IMPACT RESISTANCE:

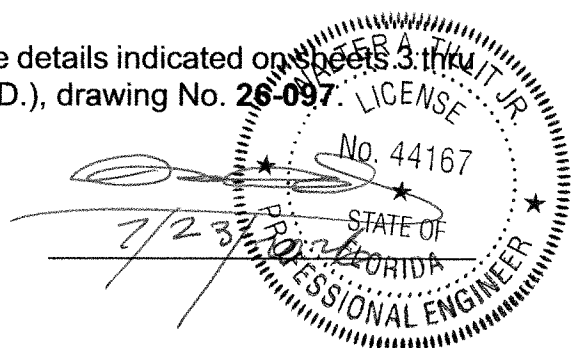
Large & Small missile impact under section 1609.1.2 of the Florida Building Code, as per ASTM E 1886 and ASTM E 1996 Standards, qualifying missile type D, and Small Missile (basic protection).

4. WIND LOADS RESISTANCE:

ASSA/Bertha HV Colonial Shutter has been verified to sustain wind pressures. Maximum Shutter Span shall be as indicated on sheets 3, 3A, 4 and 9 of 14, of Product Evaluation Document (P.E.D.), drawing No. **26-097**. Anchor Details shall be as indicated on sheets 5, 6, 7, 10, 11 and 12 of 14, of Product Evaluation Document (P.E.D.), drawing No. **26-097**. ASSA/Bertha HV Colonial Shutter has been verified for code compliance to work as a porous wind load resistant storm shutter assembly, as per section 3.2.11 of ASTM E 1996 Standard, qualifying Wind Zones 1, 2 and 3.

5. INSTALLATION:

Shall be performed strictly in accordance with the details indicated on sheets 3 thru 14 of 14, of Product Evaluation Document (P.E.D.), drawing No. **26-097**.



Minimum separation to glass shall be as indicated on sheets 3, 4, 5 and 10 of 14, of Product Evaluation Document (P.E.D.), drawing No. **26-097**.

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. **26-097**. Anchor specifications shall be as indicated on sheets 5, 6, 7, 11, 12 and 13 of 14, of Product Evaluation Document (P.E.D.), drawing No. **26-097**.

7. LIMITATIONS AND CONDITIONS OF USE:

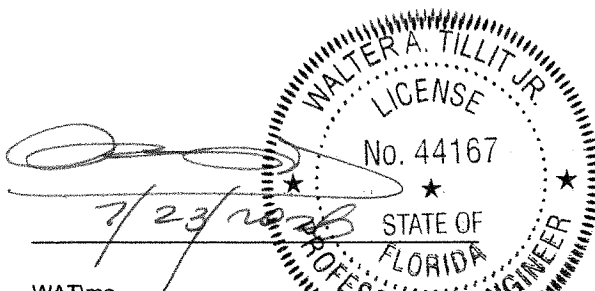
7.1. Shall be strictly in compliance with General Notes No. 1, 2, 8, 9, 10, 11, 12 and 13, indicated on sheet 1 of 14, of Product Evaluation Document (P.E.D.), drawing No. **26-097** prepared by Tilteco, Inc. and signed and sealed by Walter A. Tillit, Jr., P.E.

7.2. Product **shall not** be installed within HIGH VELOCITY HURRICANE ZONES as defined on section 202 of the Florida Building Code.

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

7.4. Product shall only be installed within Wind Zones 1, 2 and 3 as per ASTM E 1996 Standard.

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



WAT\ma
D:\TILTECO ADMIN RECORDS\REPORTS\REPORT.26 \ AMERICAN SHUTTER SYSTEMS ASSOCIATION INC \ ASSA\BERTHA HV COLONIAL SHUTTER\REPORT.DWG # 26-097 \ REPORT # 26-0629.06