

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

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PRODUCT EVALUATION REPORT

REPORT NO.: 25-0619.04

DATE: June 19, 2025

PRODUCT CATEGORY: Impact Protective System

PRODUCT SUB-CATEGORY: Operable

PRODUCT NAME: **IMPACT PROTECTIVE ROLLING SYSTEM/WIND BORNE DEBRI REGION RLL-3 SLAT**

SUBMITTED BY: Rollac Shutters of Texas, Inc.
5331 Orange Street
Pearland, Texas 77581

1. PURPOSE OF EVALUATION:

This is a Product Evaluation Report issued by **Walter A. Tillit, Jr., P.E.** (System ID # 1906) to the **Rollac Shutter of Texas, Inc.**, 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. 25-054 titled "IMPACT PROTECTIVE ROLLING SYSTEM/WIND BORNE DEBRI REGION RLL-3 SLAT", 1 thru 14 prepared by Tilteco, Inc.; signed and sealed by Walter A. Tillit, Jr., P.E.; dated 06/19/2025. This drawing is an integral part of this Evaluation Report.



2.2. TEST REPORTS:

Large missile impact and cyclic loading under TAS 201, TAS 202 and TAS 203 Protocols, as per section 1609.1.2 of the Florida Building Code. Uniform Static loads in accordance with TAS 202 Protocol. Test reports prepared by Fenestration Testing Lab, Report No. 3522 signed and sealed by Joseph C. Chan, P.E., dated August 7, 2002, signed by Roberto Robleto, Testing Manager; Hurricane Test Laboratory, Inc. Reports # 0187-0423-99, signed and sealed by Vinu J. Abraham, P.E., dated April 23, 1999; and 0187-0407-99, signed and sealed by Vinu J. Abraham, dated April 21, 1999.

Testing on Mechanical Properties as per Fenestration Testing Laboratory, Inc. Tensile Test Reports # 3522 signed by Roberto Robleto, Testing Manager, dated November 27, 2002, as per ASTM B557.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On Impact Protective Rolling System for maximum shutter span vs. design wind load, as well as maximum anchor spacing vs. design wind load and shutter span including storm bars, headers and mullions 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 June 27, 2005, amended April 4, 2008, signed and sealed by Walter A. Tillit, Jr., P.E., and on August 21, 2017.

3. MISSILE IMPACT RESISTANCE:

Large missile impact under section 1609.1.2 of the Florida Building Code, as per TAS 201 Protocol.

4. WIND LOADS RESISTANCE:

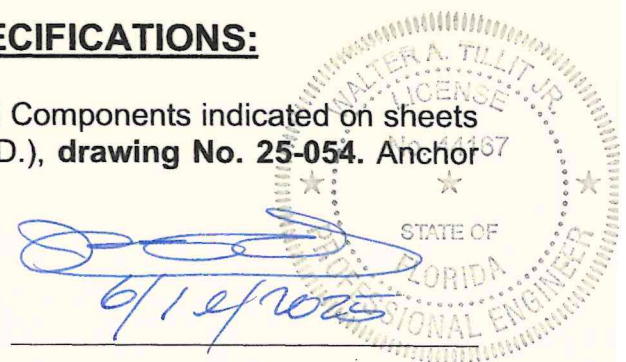
Impact Protective Rolling System has been verified to sustain wind pressures. Maximum Shutter Span shall be as indicated on sheets 11 thru 14 of 14 of Product Evaluation Document (P.E.D.), **drawing No. 25-054** Maximum Anchor Spacing shall be as indicated on sheets 5 thru 10 and 14 of 14 of Product Evaluation Document (P.E.D.), **drawing No. 25-054**.

5. INSTALLATION:

Shall be performed strictly in accordance with the details indicated on sheets 5 thru 10 of 14 of Product Evaluation Document (P.E.D.), **drawing No. 25-054**. Minimum separation to glass shall be as indicated on sheets 5 thru 11 of 14 of Product Evaluation Document (P.E.D.), **drawing No. 25-054**.

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. 25-054**. Anchor



specifications shall be as indicated on sheets 1, 5 thru 10 and 14 of 14 of Product Evaluation Document (P.E.D.), **drawing No. 25-054**.

7. LIMITATIONS AND CONDITIONS OF USE:

7.1. Shall be strictly in compliance with General Notes No. 1, 5, 6 and 9 thru 14, indicated on sheet 1 of 14, of Product Evaluation Document (P.E.D.), **drawing No. 25-054** 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 or out of it.

7.3. Product shall only be installed into poured concrete, concrete block, and wood frame structures, as limited and defined on Product Evaluation Document **No. 25-054**.

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

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