

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

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FL P.E. License No. 44167
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PRODUCT EVALUATION REPORT

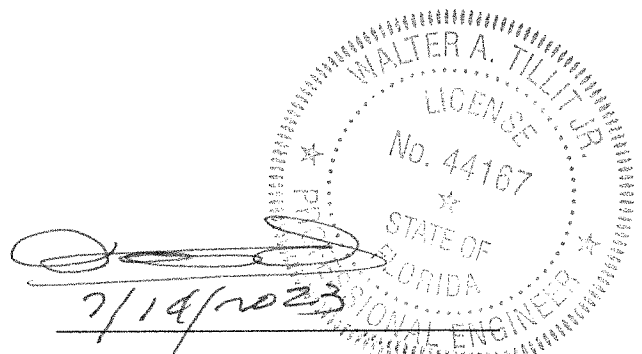
REPORT NO.: 23-0714.19
DATE: July 14, 2023
PRODUCT CATEGORY: Hurricane Shutters
PRODUCT SUB-CATEGORY: Roll Up Shutters
PRODUCT NAME: 58mm SLAT END RETENTION ALUMINUM
ROLL-UP SHUTTER SYSTEM (L.M.I)
SUBMITTED BY: **FOLDING SHUTTER CORP**
1862 Dr. Martin Luther King Blvd.
West Palm Beach, FL 33404

1. PURPOSE OF EVALUATION:

This is a Product Evaluation Report issued by **Walter A. Tillit, Jr., P.E.** (System ID # 1906) to **Folding Shutter Corp**, 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. 23-107, titled “58mm SLAT END RETENTION ALUMINUM ROLL-UP SHUTTER SYSTEM (L.M.I)”, sheets 1 thru 21, including 13A, 13B, prepared by Tilteco, Inc.; signed and sealed by Walter A. Tillit, Jr., P.E.; dated 7/14/2023. This drawing is an integral part of this Evaluation Report.

2.2. TEST REPORTS:

Large missile impact and cyclic loading under TAS 201 & TAS 203 Protocols, as per section 1609 of the Florida Building Code. Uniform Static loads in accordance with Protocol TAS 202 of the Florida Building Code. Test reports prepared by Intertek Laboratory Report # J8053.01-450-18RO and Blackwater Technical Services, Inc, Report # BT-FSC-22-001, signed and sealed by Vinu J Abraham P.E., and Michael Caldwell, P.E, respectively

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On “58mm SLAT END RETENTION ALUMINUM ROLL-UP SHUTTER SYSTEM (L.M.I)” for Maximum span vs. design wind load, as well as anchor spacing vs. design wind load maximum span including 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 12/16/2022, signed and sealed by Walter A. Tillit, Jr., P.E.

3. MISSILE IMPACT RESISTANCE:

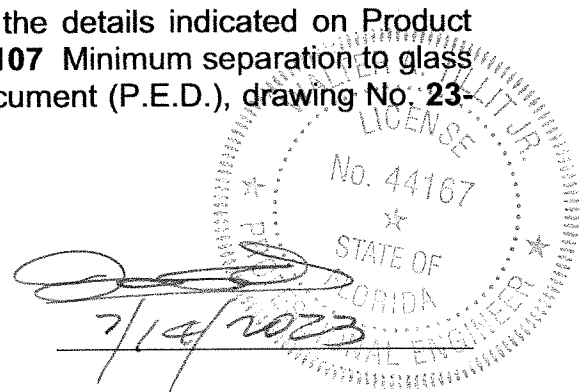
Large missile impact under section 1626 of the Florida Building Code, as per TAS 201 Protocol (Large Missile), 50Ft/Sec, 9Lb 2” X 4”.

4. WIND LOADS RESISTANCE:

“58mm SLAT END RETENTION ALUMINUM ROLL-UP SHUTTER SYSTEM (L.M.I)” has been verified to sustain wind pressures. Slat Span shall be as indicated on sheets 13, 13A & 13B of Product Evaluation Document (P.E.D.), drawing No. 23-107. Maximum Anchor Spacing shall be as indicated on sheets 14, 15 & 17 of Product Evaluation Document (P.E.D.), drawing No. 23-1073. Mullion, span shall be as indicated on sheets 19, 20, 21 of Product Evaluation Document (P.E.D.), drawing # 23-107

5. INSTALLATION:

Shall be strictly performed in accordance with the details indicated on Product Evaluation Document (P.E.D.), drawing No. 23-107 Minimum separation to glass shall be as indicated on Product Evaluation Document (P.E.D.), drawing No. 23-107, sheets 13, 13A, 13B, & 17.



6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

Shall be strictly in accordance with General Notes and Components indicated on sheets 1 thru 3 of Product Evaluation Document (P.E.D.), drawing No. **23-107**. Anchor specifications shall be as indicated on sheet 1 of Product Evaluation Document (P.E.D.), drawing No. **23-107**.

7. LIMITATIONS AND CONDITIONS OF USE:

7.1. Shall be strictly in compliance with General Notes No.1, 2 and 10 thru 15, indicated on sheet 1 of Product Evaluation Document (P.E.D.), drawing No. **23-107** 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 poured concrete, grouted cell concrete block or wood frame structures, as limited and defined on Product Evaluation Document No. **23-107**

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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