

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

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PRODUCT EVALUATION REPORT

REPORT NO.: 23-0724.02

DATE: July 24, 2023

PRODUCT CATEGORY: Impact Protective Systems

PRODUCT SUB-CATEGORY: Operable

PRODUCT NAME: **IMPACT PROTECTIVE ROLLING SYSTEM
WITH END RETENTION 55mm SLAT LARGE
MISSILE IMPACT RESISTANT**

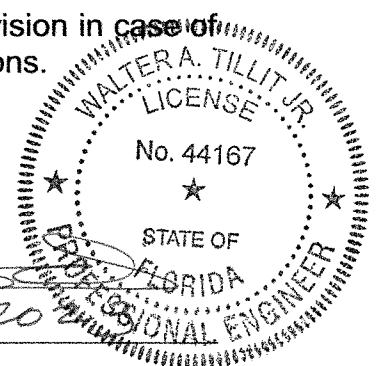
SUBMITTED BY: **ROLLINGSHIELD, INC**
9875 NW 79th AVENUE.
HIALEAH GARDENS, FL 33016

1. PURPOSE OF EVALUATION:

This is a Product Evaluation Report issued by **Walter A. Tillit, Jr., P.E.** (System ID # 1906) to **Rollingshield, Inc.**, 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. 23-119, titled **“IMPACT PROTECTIVE ROLLING SYSTEM WITH END RETENTION 55mm SLAT LARGE MISSILE IMPACT RESISTANT”**, sheets 1 thru 15 (includes 13A) , prepared by Tilteco, Inc.; signed and sealed by Walter A. Tillit, Jr., P.E.; dated 7/24/2023. 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 1626 of the Florida Building Code. Uniform Static loads in accordance with Protocol TAS 202 of the Florida Building Code. Test reports prepared by Fenestration Testing Laboratory Reports 10615, 10616, 5565, 5539, 22-1042, & MED-1066 signed and sealed by Idalmis Ortega, P.E.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On **“Impact Protective Rolling System with END RETENTION 55mm SLAT LARGE MISSILE IMPACT RESISTANT”** for Maximum span vs. design wind load, as well as anchor spacing vs. design wind load and Abatement span including mullions, based on rational and comparative analysis, and in accordance with sections 1616 and 2003 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated 12/16/2021, 11/23/2022, 12/9/2022, & 7/19/2023 signed and sealed by Walter A. Tillit, Jr., P.E.

3. MISSILE IMPACT RESISTANCE:

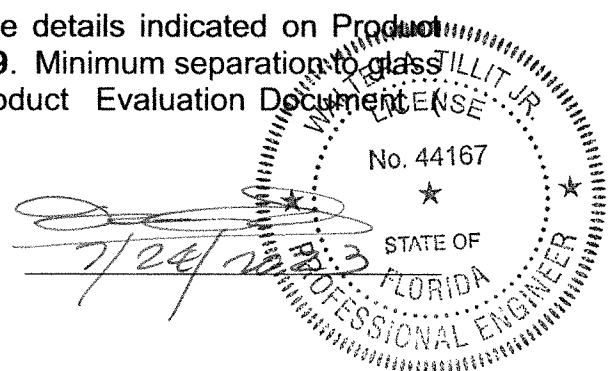
Large missile impact under section 1626 of the Florida Building Code, as per TAS 201 Protocol (Large Missile), 50Ft/Sec, 9Lb 2” X 4”.

4. WIND LOADS RESISTANCE:

“Impact Protective Rolling System with END RETENTION 55mm SLAT LARGE MISSILE IMPACT RESISTANT” has been verified to sustain wind pressures. Slat Span shall be as indicated on sheets 13 thru 15 of Product Evaluation Document (P.E.D.), drawing No. **23-119**. Maximum Anchor Spacing shall be as indicated on sheet 13 of Product Evaluation Document (P.E.D.), drawing No. **23-119**. Mullion, Storm Bar and Header span shall be as indicated on sheet 15 of Product Evaluation Document (P.E.D.), drawing # **23-119**.

5. INSTALLATION:

Shall be strictly performed in accordance with the details indicated on Product Evaluation Document (P.E.D.), drawing No. **23-119**. Minimum separation to glass shall be as indicated on sheets 13 & 14 of Product Evaluation Document (P.E.D.), drawing No. **23-119**.



6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

Shall be strictly in accordance with General Notes and Components indicated on sheets 1 thru 5 of Product Evaluation Document (P.E.D.), drawing No. **23-119**. Anchor specifications shall be as indicated on sheet 1 of Product Evaluation Document (P.E.D.), drawing No. **23-119**.

7. LIMITATIONS AND CONDITIONS OF USE:

7.1. Shall be strictly in compliance with General Notes No.1, 2 and 12 thru 17, indicated on sheet 1 of Product Evaluation Document (P.E.D.), drawing No. **23-119** 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 poured concrete or grouted cell concrete block, as limited and defined on Product Evaluation Document No. **23-119**

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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