

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

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PRODUCT EVALUATION REPORT

REPORT NO.: 23-0714.21
DATE: July 14, 2023
PRODUCT CATEGORY: Doors
PRODUCT SUB-CATEGORY: Roll Up Doors
PRODUCT NAME: 18'-1" MAX. WIDE 20 GAGE SLAT ROLL UP DOOR
SUBMITTED BY: Metro Door, LLC
821 Industrial Dr.
Lewisburg, TN 37091

1. PURPOSE OF EVALUATION:

This is a Product Evaluation Report issued by **Walter A. Tillit, Jr., P.E.** (System ID # 1906) to **Metro Door, LLC.** based on **Rule Chapter No. 61G20-3, Method 1D of the Florida Department of Business and Professional Regulation.**

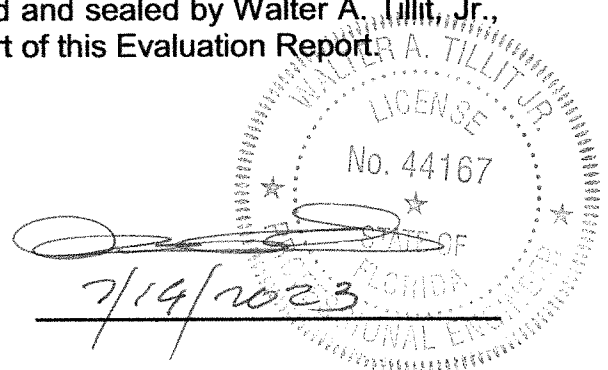
This product is being issued an Evaluation Report as described herein and has been verified for compliance in accordance with the **2023** 8th Edition of the Florida Building Code, and to verify that the product is for the purpose intended at least equivalent to that required by the Code.

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 23-109, titled "18'-1" MAX. WIDE 20 GAGE SLAT ROLL-UP DOOR", sheets 1 thru 7 of 7, 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 Florida TAS 201 and 203 Protocols, as per sections 1626 & 1609.1.2 of the Florida Building Code. Uniform Static loads in accordance with Protocol TAS 202. Test reports prepared by Blackwater Technical Service Inc., Report No. BT-MTD-20-001 signed and sealed by Michael Caldwell, P.E. dated July 26, 2020.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On 18'-1" Max. Wide 20 Gage Slat Roll Up Door for maximum anchor spacing vs. design wind load and door span based on rational and comparative analysis, and in accordance with sections 1616 & 1604 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated March 2, 2020, 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 Protocol TAS 201. (50 ft/sec, 9lbs 2 x 4)

4. WIND LOADS RESISTANCE:

18'-1" Max. Wide 20 Gage Slat Roll Up Door has been verified to sustain wind pressures. Maximum Door Span shall be as indicated on sheet 7 of 7 of Product Evaluation Document (P.E.D.), drawing No. **23-109**. Maximum Anchor Spacing shall be as indicated on sheet 7 of 7 of Product Evaluation Document (P.E.D.), drawing No. **23-109**

5. INSTALLATION:

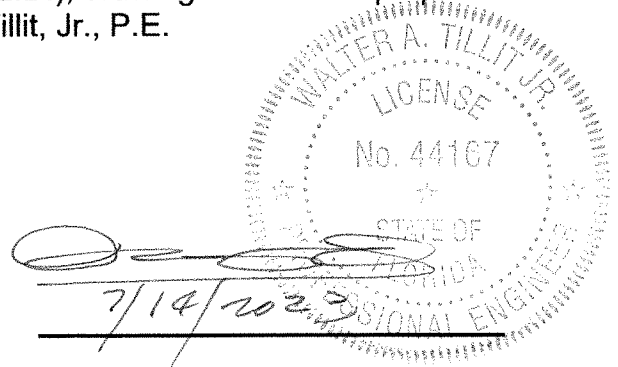
Shall be performed strictly in accordance with the details indicated on sheets 2, 4 & 6 of Product Evaluation Document (P.E.D.), drawing No. **23-109**.

6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

Shall be strictly in accordance with General Notes and Components indicated on sheets 2, 3, & 5 of 7 of Product Evaluation Document (P.E.D.), drawing No. **23-109**. Anchor specifications shall be as indicated on sheets 1 and 7 of 7 of Product Evaluation Document (P.E.D.), drawing No. **23-109**.

7. LIMITATIONS AND CONDITIONS OF USE:

7.1. Shall be strictly in compliance with General Notes No. 1, 12, 13, 14 and 15, indicated on sheet 1 of 3, of Product Evaluation Document (P.E.D.), drawing No. **23-109** prepared by Tilteco, Inc. and signed and sealed by Walter A. Tillit, Jr., P.E.

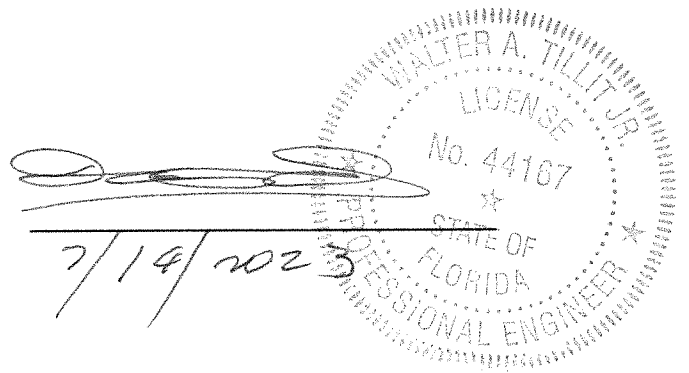


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7.2. Product **may be** installed within HIGH VELOCITY HURRICANE ZONES as defined on section 202 of the Florida Building Code, or out of them

7.3. Product shall only be installed into poured concrete and steel frame structures, as limited and defined on Product Evaluation Document No. **23-109**

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



7/14/2023

WALTER A. TILLIT JR.
LICENSE
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STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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\ DRWG # 23-109 \ REPORT # 23-0714.21