

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

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PRODUCT EVALUATION REPORT

REPORT No.: 23-0707.01

DATE: July 7, 2023

PRODUCT CATEGORY: Exterior Doors

PRODUCT SUB-CATEGORY: Sliding Exterior Door Assemblies

PRODUCT NAME: PANORAMAH SERIES 2 AND 3 TRACK SLIDING
GLASS DOOR

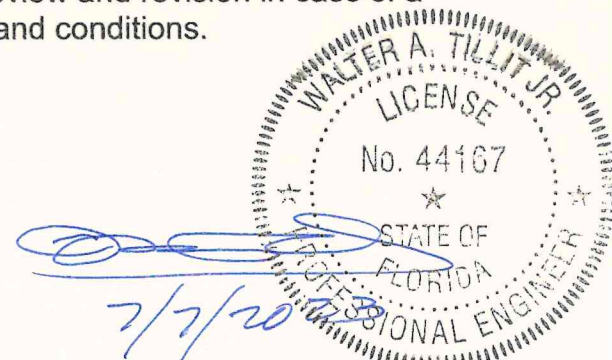
MANUFACTURER: Jofebar Metal Works
Rua D. Marcos da Cruz 1240
4455-482 Perafita, Matosinhos Portugal

1. PURPOSE OF EVALUATION:

This is a Product Evaluation Report issued by **Walter A. Tillit, Jr., P.E.** (System ID # 1906) to **Jofebar Metal Works**, 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 Eighth 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. 23-076, titled "SERIES VPF 8000 OUTSWING ALUMINUM CASEMENT WINDOWS- LMI (TYPICAL AND HEAVY SYSTEMS)" sheets 1 thru 22 of 22 prepared by Tilteco, Inc.; signed and sealed by Walter A. Tillit, Jr., P.E.; dated 7/7/2023. This drawing is an integral part of this Evaluation Report.

2.2. TEST REPORTS:

Impact and Cyclic Tests as per protocol TAS-201, TAS-203, Uniform Static Load as per Protocol TAS 202 per sections 1626 and 1609.1.2, respectively of the Florida Building Code.

Test reports prepared by Blackwater Testing Inc., Report No. BT-JOF-18-00, dated 07/18/2019 signed and sealed by Constantin Bortes, P.E.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On "PANORAMAH SERIES 2 AND 3 TRACK SLIDING GLASS DOOR" for Maximum Pressure Rating vs. Maximum anchor spacing, maximum width and height, and Maximum Glass Size, based on rational, comparative analysis and ASTM E-1300-09a in accordance with sections 1604, 1616 and 2404.1 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated 12/19/2018, signed and sealed by Walter A. Tillit, Jr., P.E.

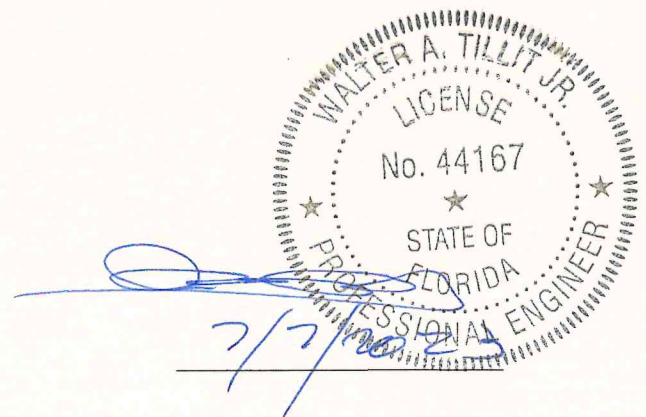
3. MISSILE IMPACT RESISTANCE:

Large Missile Impact resistance is provided per TAS 201 (9 lbs., 50 feet/sec, Large Missile).

4. WIND LOADS RESISTANCE:

On "PANORAMAH SERIES 2 AND 3 TRACK SLIDING GLASS DOOR" has been verified to keep sustain wind pressures. Maximum Glass Panel Dimensions, Panel Width, & Panel Height shall be as indicated on sheet 6 and 7 of Product Evaluation Document (P.E.D), Drawing No. 23-076.

Maximum Design Pressure Rating for Stiles Top and Bottom connections and Jamb Connection and Maximum Fasteners Spacing for applicable substrates shall be as indicated on sheet 22, of Product Evaluation Document (P.E.D), Drawing No. 23-076.



5. INSTALLATION:

Installation shall be performed strictly in accordance with General Notes # 1 thru 7 and 9 thru 11, indicated on sheet 1 and details indicated on sheet 8 thru 21 of Product Evaluation Document (P.E.D.), drawing No. **23-076**

Gaskets and setting blocks used at installations comply with section 2411.3.4 of the Florida Building Code as specified on Bill of Materials (components 20, 41 and 42) on Sheet 2 of Product Evaluation Document (P.E.D.), drawing No. **23-076**.

6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

Shall be strictly in accordance with General Notes and Components indicated on sheets 1, 2, 3, 4 and 5, of Product Evaluation Document (P.E.D.), **Drawing No. 23-076**.

Anchor specifications shall be as indicated on Note 8, sheet 1 of Product Evaluation Document (P.E.D.), Drawing No. **23-076**.

7. LIMITATIONS AND CONDITIONS OF USE:

7.1. Shall be strictly in compliance with General Notes No. 1 thru 5, indicated on sheet 1 of Product Evaluation Document (P.E.D.), Drawing No. **23-076** 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 and out of it.

7.3. Product shall only be installed into substrates with limitations as indicated on sheets 22 and General Note 8, sheet 1 of Product Evaluation Document (P.E.D.), Drawing No. **23-076**.

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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TRACK SLIDING GLASS DOOR / HIGH LOADS \ DRWG # 23-076 \ REPORT # 23-0707.01

