



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

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PRODUCT EVALUATION REPORT

REPORT No.: 20-0731.01

DATE: July 31, 2020

PRODUCT CATEGORY: Exterior Doors

PRODUCT SUB-CATEGORY: Swinging Exterior Door Assemblies

PRODUCT NAME: PERFORMANCE COMMERCIAL OUTSWING
ENTRANCE DOOR LARGE AND SMALL
MISSILE IMPACT

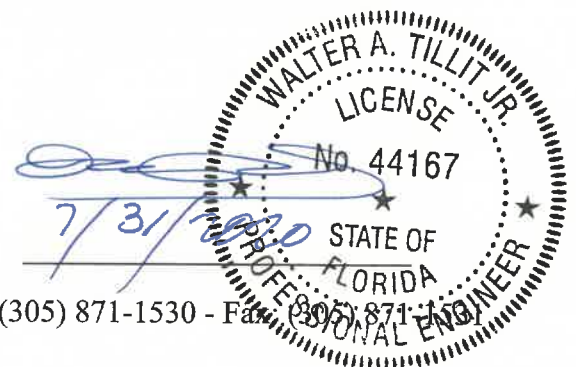
MANUFACTURER: Alumina Distribution Center
15002 NW 107 Ave, Suite # 1
Hialeah Gardens, FL 33018

1. PURPOSE OF EVALUATION:

This is a Product Evaluation Report issued by **Walter A. Tillit, Jr., P.E.** (System ID # 1906) to **ALUMINA DISTRIBUTION CENTER** 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 2020 Seventh 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. **20-235**, titled "**Performance Commercial Outswing Entrance Door Large and Small Missile Impact**" sheets 1 thru 33 of 33 (INCLUDES 11A, 12A, 13A, 16A, 17A, 20A, 21A, 22A, 23A, 24A, 25A, 26A, 28A) prepared by **Tilteco, Inc.**; signed and sealed by **Walter A. Tillit, Jr., P.E.**; dated 07/31/2020. This drawing is an integral part of this Evaluation Report.

2.2. TEST REPORTS:

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

Test Reports prepared by Fenestration Testing Laboratory Report #10553 signed and sealed by Ms. Dalmis Ortega, P.E.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On "**Performance Commercial Outswing Entrance Door Large and Small Missile Impact**" for Maximum Pressure Rating vs. Maximum anchor spacing, maximum Door's width and height, and Maximum Glass Size, based on rational and comparative analysis, and in accordance with sections 1604 and 1616 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated 04/03/2019, 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:

"**Performance Commercial Outswing Entrance Door Large and Small Missile Impact**" has been verified to sustain wind pressures. Maximum Glass Panel Dimensions, maximum Door width and heights shall be as indicated on sheet 32 of Product Evaluation Document (P.E.D.), Drawing No. **20-235**.

Maximum Design Pressure Rating for Door, Door Jamb Mullions, Jambs, Head/Sill and their connections for applicable substrates shall be as indicated on sheet 33, of Product Evaluation Document (P.E.D.), Drawing No. **20-235**



5. INSTALLATION:

Installation shall be performed strictly in accordance with General Notes #5, 6, 8, 10, 12, 13, 14 and 15, indicated on sheet 1, and details indicated on sheets 5 thru 31, of Product Evaluation Document (P.E.D.), drawing No. **20-235**.

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 28, 29A, 29B, 30) on Sheet 4 of Product Evaluation Document (P.E.D.), drawing No. **20-235**.

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. **20-235**.

Anchor specifications shall be as indicated on sheet 1, of Product Evaluation Document (P.E.D.), Drawing No. **20-235**.

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. **20-235** 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 1620.2 of the Florida Building Code and out of it.

7.3. Product shall only be installed into poured concrete, grouted concrete block, Aluminum, Steel and wood structures with limitations indicated on sheet 1, note 7 of Product Evaluation Document (P.E.D.), Drawing No. **20-235**.

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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COMMERCIAL OUTSWING ENTRANCE DOOR LARGE AND SMALL MISSILE IMPACT \ DRWG # 20-235\ REPORT #
20-0731.01

