

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

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PRODUCT EVALUATION REPORT

REPORT No.: 23-0811.01

DATE: August 11, 2023

PRODUCT CATEGORY: Exterior Doors

PRODUCT SUB-CATEGORY: Sliding Exterior Door Assemblies

PRODUCT NAME: **SERIES 26000 HIGH IMPACT SLIDING
GLASS DOOR LARGE & SMALL
MISSILE**

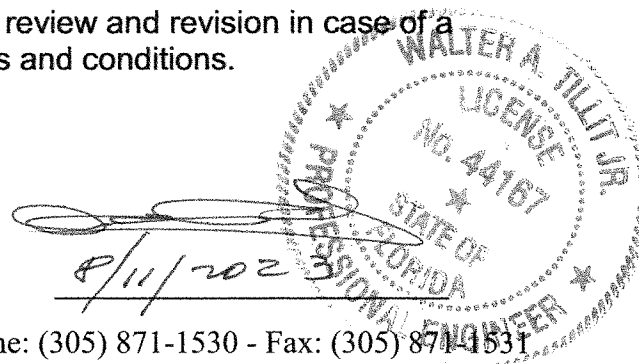
MANUFACTURER: **GIG Windows & Doors**
290 West 78th Road
Hialeah, FL 33014

1. PURPOSE OF EVALUATION:

This is a Product Evaluation Report issued by **Walter A. Tillit, Jr., P.E.** (System ID # 1906) to **GIG Windows & Doors**, 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. 23-173, titled “**SERIES 26000 HIGH IMPACT SLIDING GLASS DOOR LARGE & SMALL MISSILE**” sheets 1 thru 26 (includes 17A, 18A, 19A, 20A & 20B) prepared by **Tilteco, Inc.**; signed and sealed by **Walter A. Tillit, Jr., P.E.**; dated **8/11/2023**. 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 Fenestration Testing Lab Inc., Reports No.11026, 12031 & 12031.01 signed and sealed by Idalmis Ortega, P.E.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On Series 26000 High Impact Sliding Glass Door Large & Small Missile for Maximum Pressure Rating vs. Maximum anchor spacing, maximum width and height, and Maximum Glass Size, based on rational and comparative analysis, in accordance with sections 1604 and 1616 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated 02/05/2020, 03/27/2017, 05/11/2020, and 08/05/2021 signed and sealed by Walter A. Tillit, Jr., P.E. Glass Verified per ASTM E-1300-09a, per section 2404.1 of the Florida Building Code.

3. MISSILE IMPACT RESISTANCE:

Large and Small Missile Impact resistance is provided per TAS 201, as applicable (Large Missile 50 ft/sec, Small Missile 130 ft/sec)

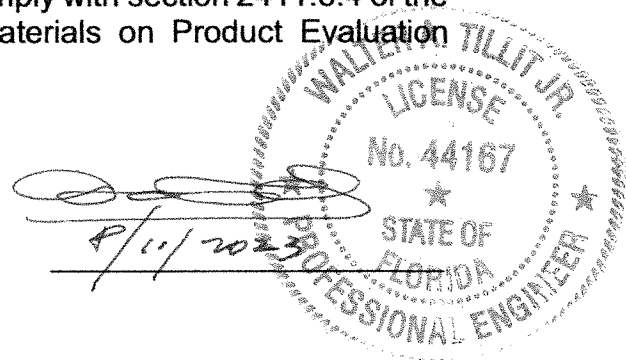
4. WIND LOADS RESISTANCE:

On Series 26000 High Impact Sliding Glass Door Large & Small Missile has been verified to keep sustain wind pressures. Maximum Glass Panel Dimensions, door width and height shall be as indicated on sheets 8 and 9 of Product Evaluation Document (P.E.D.), Drawing No. **23-173**

5. INSTALLATION:

Installation shall be performed strictly in accordance with General Notes # 3 thru 11, indicated on Product Evaluation Document (P.E.D.), drawing No. **23-173**.

Gaskets and setting blocks used at installations comply with section 2411.3.4 of the Florida Building Code as specified on Bill of Materials on Product Evaluation Document (P.E.D.), drawing No. **23-173**.



6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

Shall be strictly in accordance with General Notes and Components indicated on, Product Evaluation Document (P.E.D.), **Drawing No. 23-173.**

Anchor specifications shall be as indicated on sheet 1, Note 9 of Product Evaluation Document (P.E.D.), Drawing No. **23-173.** Max anchor spacing shall be as indicated Product Evaluation Document (P.E.D), Drawing No. **23-173.**

7. LIMITATIONS AND CONDITIONS OF USE:

7.1. Shall be strictly in compliance with General Notes No. 1 thru 8, indicated on sheet 1 of Product Evaluation Document (P.E.D.), Drawing No. **23-173** 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 of Product Evaluation Document (P.E.D.), Drawing No. **23-173.**

7.4. Product shall only be installed for Maximum pressure ratings as indicated on sheets 8, 9, 16 & 25 of Product Evaluation Document (P.E.D.), Drawing No 23-173

Product Evaluation Report prepared by Walter A. Tillit, Jr., P.E. (Florida License No. 44167), President of Tilteco, Inc. (Florida CA-0026719).

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