



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

PRODUCT EVALUATION REPORT

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FL P.E. License No. 44167
FL C.A. License No. 0006719

REPORT No.: 23-0919.11

DATE: September 19, 2023

PRODUCT CATEGORY: Window

PRODUCT SUB-CATEGORY: Storefront

PRODUCT NAME: HIGH IMPACT SERIES JAZZ 70000
ALUMINUM STOREFRONT SYSTEM WITH
LARGE & SMALL MISSILE LAMINATED
AND INSULATED GLASS

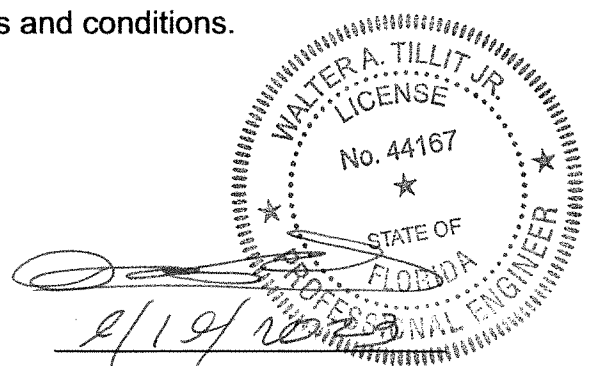
MANUFACTURER: GIG WINDOWS & DOORS
290 West 78th Road
Hialeah, FL 33014

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. 23-204, titled "HIGH IMPACT SERIES JAZS 7000 ALUMINUM STOREFRONT SYSTEM WITH LARGE & SMALL MISSILE LAMINATED AND INSULATED GLASS" sheets 1 thru 43 (includes 30A & 31A) prepared by **Tilteco, Inc.**; signed and sealed by **Walter A. Tillit, Jr., P.E.**; dated 8/30/2023. 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 and AAMA 501 per sections 1626, 1609.1.2, and 2411.3.2.1.1, respectively of the Florida Building Code.

Test reports prepared by Fenestration Testing Lab Inc., Report No.10553, dated 03/15/2019, signed and sealed by Idalmis Ortega, P.E.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On "HIGH IMPACT SERIES JAZS 7000 ALUMINUM STOREFRONT SYSTEM WITH LARGE & SMALL MISSILE LAMINATED AND INSULATED GLASS" for Maximum Pressure Rating vs. Maximum anchor spacing, Maximum Mullion and Horizontal Span, 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 03/26/2019 and 5/02/2013, signed and sealed by Walter A. Tillit, Jr., P.E.

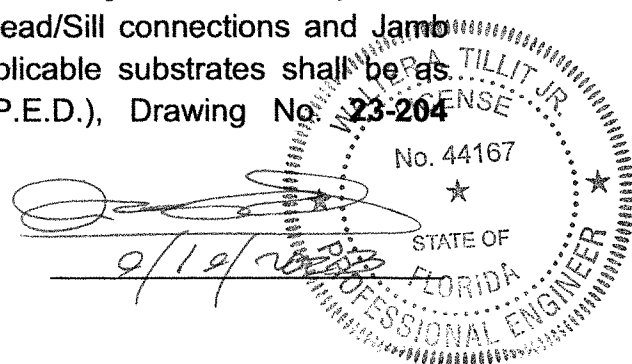
3. MISSILE IMPACT RESISTANCE:

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

4. WIND LOADS RESISTANCE:

On **HIGH IMPACT SERIES JAZS 7000 ALUMINUM STOREFRONT SYSTEM WITH LARGE & SMALL MISSILE LAMINATED AND INSULATED GLASS** has been verified to keep sustain wind pressures. Maximum Glass Panels Dimensions, Mullion Spans, & Horizontal Spans shall be as indicated on Product Evaluation Document (P.E.D.), Drawing No. **23-204 (Applicable to System # 1 & # 2).**

Maximum Design Pressure Rating for Mullions Head/Sill connections and Jamb Connection Maximum Fasteners Spacing for applicable substrates shall be as indicated on Product Evaluation Document (P.E.D.), Drawing No. **23-204 (Applicable to System # 1 & # 2).**



5. INSTALLATION:

Installation shall be performed strictly in accordance with General Notes # 3 thru 11, indicated on sheet 1 and details indicated on Product Evaluation Document (P.E.D.), drawing No. **23-204 (System # 1 & #2)**.

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 19, 20, and 21) on Product Evaluation Document (P.E.D.) **Drawing No. 23-204 (System # 1 & # 2)**.

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. 23-204 (System # 1 & # 2)**.

Anchor specifications shall be as indicated on Product Evaluation Document (P.E.D.), **Drawing No. 23-204 (System # 1 & # 2)**.

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. **23-204** 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 Product Evaluation Document (P.E.D.), Drawing No. **23-204 (System # 1 & # 2)**.

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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