

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

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

PRODUCT EVALUATION REPORT

REPORT NO.: 23-0714.05

DATE: July 14, 2023

PRODUCT CATEGORY: Panel Walls

PRODUCT SUB-CATEGORY: Glass Walls (New Technology)

PRODUCT NAME: **PILKINGTON PROFILIT SERIES 70 HI GLAZING SYSTEM**

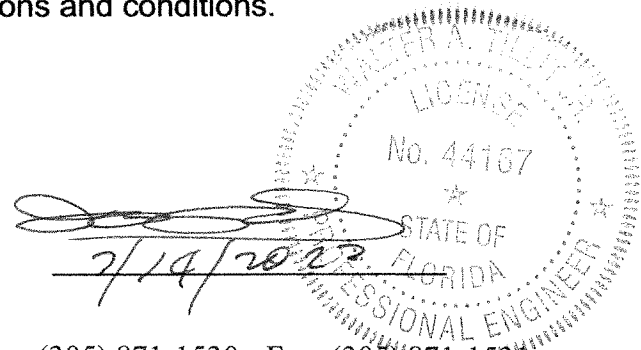
MANUFACTURER: **Technical Glass Products**
8107 Bracken PL SE
Snoqualmie, WA 98065-9258

1. PURPOSE OF EVALUATION:

This is a Product Evaluation Report issued by **Walter A. Tillit, Jr., P.E.** (System ID # 1906) to **Technical Glass Products**, 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. **23-090**, titled "**PILKINGTON PROFILIT SERIES 70 HI GLAZING SYSTEM**", sheets 1 thru 5 of 5 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:

Impact and Cyclic loads per Protocol TAS 201 and 203, per sections 1626 and 1609.1.2 of the Florida Building Code. Uniform Static loads as per Protocol TAS 202 as well as verification of water, air infiltration and forced entry per sections 1626 and 1609.1 of the Florida Building Code and as per AAMA 501, per section 2411.3.2.1.1 of the Florida Building Code.

Test reports prepared by Fenestration Testing Lab, Report No. 4421, dated 01/31/06, signed and sealed by Mr. Edmundo Largaespada, P.E.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On Pilkington Profilit Series 70 HI Glazing System for maximum anchor spacing vs. design wind load and panel length 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 02/29/08, signed and sealed by Walter A. Tillit, Jr., P.E. Glass verified per ASTM E-1300 per Section 2404.1 of The Florida Building Code.

3. MISSILE IMPACT RESISTANCE:

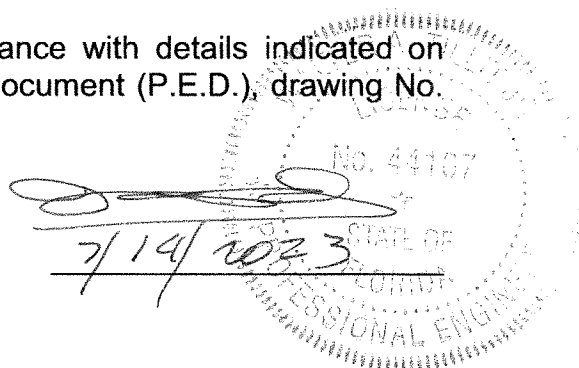
Large missile impact resistant per section 1626 and 1609.1.2 of the Florida Building Code per Protocol TAS 201.

4. WIND LOADS RESISTANCE:

Glazing System has been verified to sustain wind pressures. Maximum panel length shall be as indicated on sheet 1 of 5 of Product Evaluation Document (P.E.D.), drawing No. **23-090**. Maximum Anchor Spacing for applicable substrates shall be as indicated on sheets 1 and 4 of 5, of Product Evaluation Document (P.E.D.), drawing No. **23-090**.

5. INSTALLATION:

Installation shall be performed strictly in accordance with details indicated on sheets 1, 4 and 5 of 5, of Product Evaluation Document (P.E.D.), drawing No. **23-090**


7/14/2023
STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 44107

6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

Shall be strictly in accordance with General Notes and Components indicated on sheets 1, 2, and 3 of 5, of Product Evaluation Document (P.E.D.), drawing No. **23-090**.

Anchor specifications shall be as indicated on sheets 1, 2 and 3 of 5, of Product Evaluation Document (P.E.D.), drawing No. **23-090**.

7. LIMITATIONS AND CONDITIONS OF USE:

7.1. Shall be strictly in compliance with General Notes No. 1, 7 and 9 thru 14, indicated on sheet 1 of 5 of Product Evaluation Document (P.E.D.), drawing No. **23-090** 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, concrete block and metal (aluminum or steel) structures with the limitations indicated on sheet 4 of 5 of Product Evaluation Document (P.E.D.), drawing No. **23-090**.

7.4. Product is limited to installation within 30 feet above grade. See note* on sheet 3 of P.E.D Drawing No. **23-090** for requirements for above 30 feet installation

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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