

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

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PRODUCT EVALUATION REPORT

REPORT NO.: 23-0714.06

DATE: July 14, 2023

PRODUCT CATEGORY: Panel Walls

PRODUCT SUB-CATEGORY: Glass Walls (New Technology)

PRODUCT NAME: **DOUBLE & SINGLE SPAN PROFILIT
K25/60/7 GLAZING WALL 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**, manufacturer, 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.

7/14/2023

2. EVIDENCE SUBMITTED:

2.1. PRODUCT EVALUATION DOCUMENT (P.E.D.):

Drawing No. 23-091, titled “**DOUBLE & SINGLE SPAN PROFILIT K25/60/7 GLAZING WALL SYSTEM**”, sheets 1 thru 19 of 19 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:

Uniform static loads as per Section 1709.5.2 (ASTM E-330) and verification of water, air infiltration and forced entry per sections 1403.2 of the Florida Building Code and as per AAMA 501 (per section 1709.8.4) of the Florida Building Code. Test reports prepared by Architectural Testing Lab, Report No. 77709.01-120-32, dated 01/31/08, signed by John D. Miller III and Reports No. 76844.01-501-44, dated 10/16/07, and No. 76844.02-501-44, dated 10/18/07, signed and sealed by Michael Clay, Laboratory Manager.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On Double and Single Span Profilit K25/60/7 Glazing Wall System for maximum anchor spacing vs. design wind load and panel length based on rational, comparative analysis and ASTM E-1300, and in accordance with sections 1604, 2002 and 2404.1 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated 02/15/08, signed and sealed by Walter A. Tillit, Jr., P.E.

3. MISSILE IMPACT RESISTANCE:

No impact resistance is provided. See limitations and conditions of use on item 7, page 3 of this Evaluation Report.

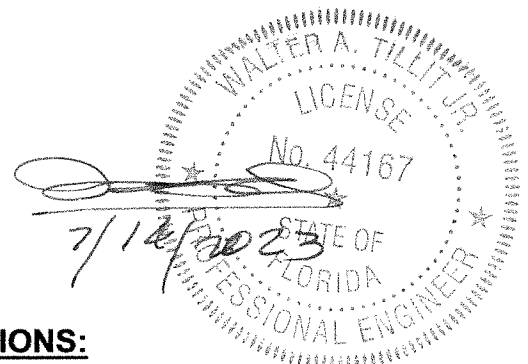
4. WIND LOADS RESISTANCE:

Double and Single Span Profilit K25/60/7 Glazing Wall System has been verified to sustain wind pressures. Maximum panel length shall be as indicated on sheets 4 and 14 of Product Evaluation Document (P.E.D.), drawing No. 23-091. Maximum Anchor Spacing for applicable substrates shall be as indicated on sheets 4 and 14 of 19, of Product Evaluation Document (P.E.D.), drawing No. 23-091.

5. INSTALLATION:

Installation shall be performed strictly in accordance with details indicated on sheets 5 thru 10 and 15 thru 19 of 19, of Product Evaluation Document (P.E.D.), drawing No. 23-091.

6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:



Shall be strictly in accordance with General Notes and Components indicated on sheets 1, 2, 3, 11, 12 and 13 of 19, of Product Evaluation Document (P.E.D.), drawing No. **23-091**.

Anchor specifications shall be as indicated on sheets 1 and 11 of 19, of Product Evaluation Document (P.E.D.), drawing No. **23-091**.

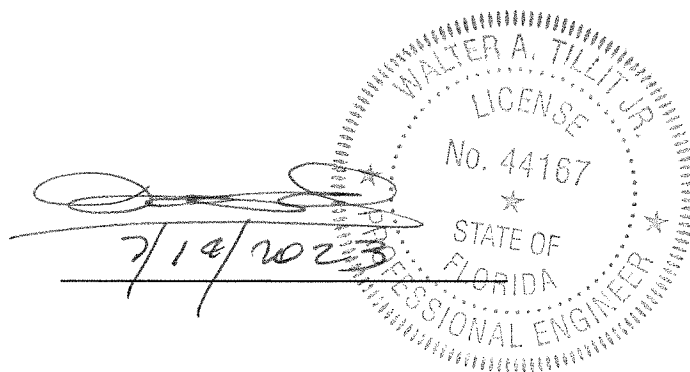
7. LIMITATIONS AND CONDITIONS OF USE:

7.1. Shall be strictly in compliance with General Notes No. 1, 9 and 15 thru 17, indicated on sheet 1 of 19, as well as General Notes No. 1, 9, 15 and 16 indicated on sheet 11 of 19 of Product Evaluation Document (P.E.D.), drawing No. **20-257** prepared by Tilteco, Inc. and signed and sealed by Walter A. Tillit, Jr., P.E.

7.2. Product **shall not** be installed within HIGH VELOCITY HURRICANE ZONES as defined on section 202 of the Florida Building Code nor shall it be installed within Wind-Borne Debris Regions as defined by Section 202 of the Florida Building Code.

7.3. Product shall only be installed into poured concrete, concrete block, metal (aluminum or steel) and wood structures with the limitations indicated on sheets 4 and 14 of 19 of Product Evaluation Document (P.E.D.), drawing No. **23-091**.

Product Evaluation Report prepared by Walter A. Tillit, Jr., P.E. (Florida License No. 44167) , President of Tilteco, Inc. (Florida CA-0006719).



7/14/2023

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PROFILIT K25/60/7 GLAZING WALL SYSTEM\ DRWG # 23-091\ REPORT # 23-0714.06