TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY

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.:	**25-1204.01**
DATE:	December 4, 2025
PRODUCT CATEGORY:	Structural Components
PRODUCT SUB-CATEGORY:	Products introduced as a result of new Technology
PRODUCT NAME:	**BLADE # 1 HORIZONTAL ALUMINUM LOUVER SYSTEM**
SUBMITTED BY:	**PARADISE AWNINGS CORPORATION DBA PARADISE ARCHITECTURAL PANELS & STEEL.** 4310 N.W. 36TH AVENUE MIAMI, FL 33142

1. PURPOSE OF EVALUATION:

This is a Product Evaluation Report Revision issued by **Walter A. Tillit, Jr., P.E.** (System ID # 1906) to **Paradise Architectural Panels & Steel**, 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. 24-122, titled "**BLADE # 1 HORIZONTAL ALUMINUM LOUVER SYSTEM**", sheets 1 thru 7, prepared by Tilteco, Inc.; signed and sealed by

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/15/2025

Walter A. Tillit, Jr., P.E.; **dated 12/3/2025**. This drawing is an integral part of this Evaluation Report.

2.2. TEST REPORTS:

Large missile impact and cyclic loadings under Protocols TAS 201 and 203, per sections 1626 and 1609.1.2 of the Florida Building Code, and AMCA 540.

Uniform Static loads in accordance with Protocol TAS 202.

Test Reports prepared by QAI Laboratories Reports # QA-1162a, QA-1162b and QA-1162c respectively, dated 10/13/2025 signed and sealed by IdaLmis Ortega, P.E.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On Blade # 1 Horizontal Aluminum Louver System for maximum panel width vs. design wind load, as well as maximum anchor spacing vs. design wind load and louver span based on rational and comparative analysis, and in accordance with sections 1616 and 1604 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated 12/4/2025, signed and sealed by Walter A. Tillit, Jr., P.E.

3. MISSILE IMPACT RESISTANCE:

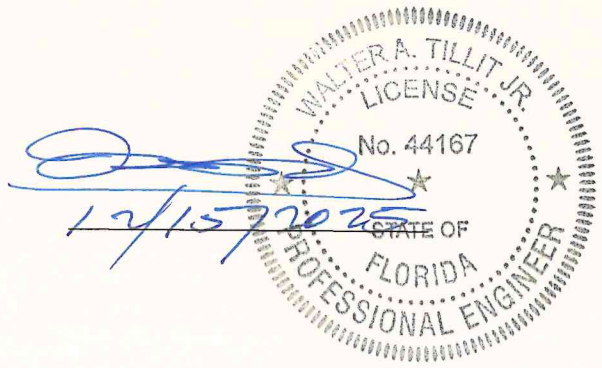
Large missile impact under sections 1626 and 1609.1.2 of the Florida Building Code, as per Protocol TAS 201, and AMCA 540, per section 1609.1.2.1. of the Florida Building Code.(9Lb 2" x4", 50 ft/sec).

4. WIND LOADS RESISTANCE:

Blade #1 Horizontal Aluminum Louver System has been verified to sustain wind pressures. Maximum & Minimum Panel width & Height shall be as indicated on sheets 3, 4, 5, & 7 of Product Evaluation Document (P.E.D.), Drawing No. **24-122**. Maximum Anchor Spacing shall be as indicated on sheet 7 of Product Evaluation Document (P.E.D.), drawing No. **24-122**.

5. INSTALLATION:

Shall be performed strictly in accordance with details indicated on sheets 3, 4 & 6 of Product Evaluation Document (P.E.D.), drawing No. **24-122**.



6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

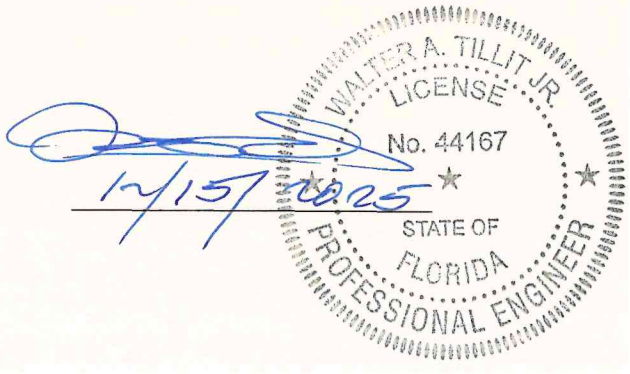
Shall be strictly in accordance with General Notes and Components indicated on sheets 1 and 2 of Product Evaluation Document (P.E.D.), drawing No. **24-122**. Anchor specifications shall be as indicated on sheet 1 of Product Evaluation Document (P.E.D.), drawing No.**24-122**.

7. LIMITATIONS AND CONDITIONS OF USE:

7.1. Shall be strictly in compliance with General Notes No. 1 and 6 thru 10 indicated on sheet 1 of Product Evaluation Document (P.E.D.), Drawing No **24-122** 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 poured concrete, grouted concrete block, wood frame and steel or aluminum substrates as per General Note 5, sheet 1 of Product Evaluation Document Drawing # **24-122**.

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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