



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

## **PRODUCT EVALUATION REPORT**

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FL P.E. License No. 44167  
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**REPORT NO.:** 24-0122.01

**DATE:** January 22, 2024

**PRODUCT CATEGORY:** Structural Components

**PRODUCT SUB-CATEGORY:** Pre-Engineered AC Stands

**PRODUCT NAME:** **ALUMINUM STANDS FOR ROOF TOP EQUIPMENT**

**MANUFACTURER:** **F & L Aluminum Parts, Inc**  
2087 N. Powerline Rd. Suite # 1,  
Pompano Beach, FL 33069

### **1. PURPOSE OF EVALUATION:**

This is a Product Evaluation Report issued by **Walter A. Tillit, Jr., P.E.** (System ID # 1906) to F & L Aluminum Parts, Inc., 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. 24-010 Titled "**ALUMINUM STANDS FOR ROOF TOP EQUIPMENT**" sheets 1 thru 10 of 10 prepared by Tilteco, Inc.; signed and sealed by Walter A. Tillit, Jr., P.E.; dated 1/22/2024. This drawing is an integral part of this Evaluation Report.

1/22/2024

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

**2.2. TEST REPORTS:**

No Testing was used or required. See item 2.3 below.

**2.3. STRUCTURAL ENGINEERING CALCULATIONS:**

On **Aluminum Stands for Roof Top Equipment** for maximum pressure rating vs stand & Equipment Dimensions based on rational analysis, and in accordance with sections 1604, 1616, 2002 and 2003 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated 11/15/2023, signed and sealed by Walter A. Tillit, Jr., P.E.

**3. MISSILE IMPACT RESISTANCE:**

Not Applicable Not required

**4. WIND LOADS RESISTANCE:**

**Aluminum Stands for Roof Top Equipment** have been verified to sustain wind pressures. Maximum Pressure Rating (Lateral & Uplift) shall be as indicated on schedules on sheets 7 thru 10 of Product Evaluation Document (P.E.D.), drawing **No. 24-010** Required Anchor for connection to Host Structure, as applicable, shall be as indicated on sheet 5, of Product Evaluation Document (P.E.D.), drawing **No. 24-010**.

**5. INSTALLATION:**

Installation shall be performed strictly in accordance with details indicated on sheets 3 thru 6, of Product Evaluation Document (P.E.D.), drawing **No.24-010**.

**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.24-010**.

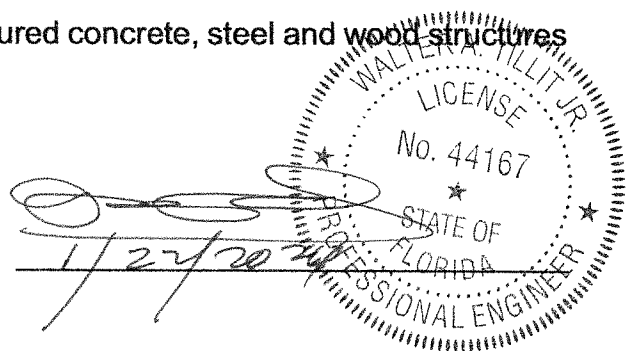
Anchor specifications shall be as indicated on sheet 5, of Product Evaluation Document (P.E.D.), drawing **No.24-010**.

**7. LIMITATIONS AND CONDITIONS OF USE:**

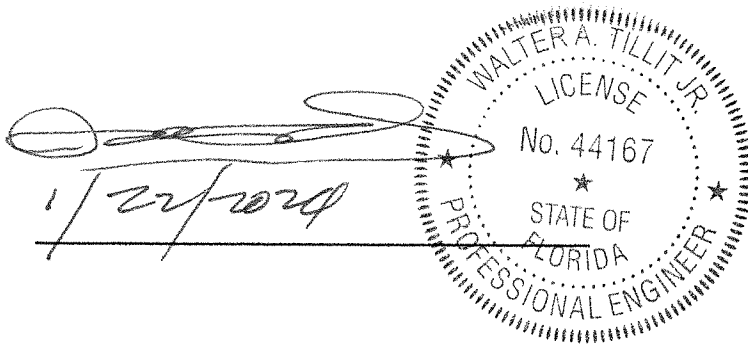
7.1. Shall be strictly in compliance with General Notes No. 1 thru 15, indicated on sheet 1 Product Evaluation Document (P.E.D.), drawing **No.24-010** prepared by Tilteco, Inc. and signed and sealed by Walter A. Tillit, Jr., P.E.

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, steel and wood structures (with limitations indicated on Sheet 4).

  
1/22/2024

7.4 Equipment Tie Down shall equal or exceed generic details indicated on sheet 6, as well as additional Guidelines applicable to specific equipment manufacturers, as well as Tie Down conditions not covered by this report needing a site specific.



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Top Equipment \ DRWG # 24-010 \ REPORT # 24-0122.01