

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

## PRODUCT EVALUATION REPORT

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**REPORT NO.:** 24-0418.01  
**DATE:** April 18, 2024  
**PRODUCT CATEGORY:** Structural Components  
**PRODUCT SUB-CATEGORY:** Pre-Engineered AC Stands  
**PRODUCT NAME:** ALUMINUM WALL MOUNTED BRACKET STAND FOR AIR CONDITIONING UNIT  
**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.

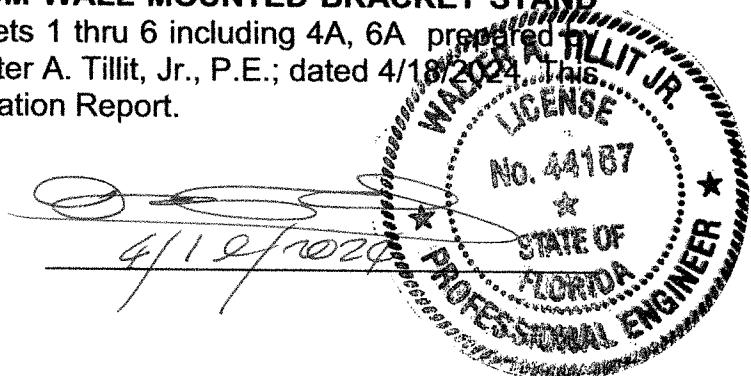
This product is being issued an Evaluation Report as described herein, and has been verified for compliance in accordance with the 2023 Eighth Edition of the Florida Building Code, and to verify that the product is for the purpose intended at least equivalent to that required by the Code.

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. 24-039 Titled "ALUMINUM WALL MOUNTED BRACKET STAND FOR AIR CONDITIONING UNIT" sheets 1 thru 6 including 4A, 6A prepared by Tilteco, Inc.; signed and sealed by Walter A. Tillit, Jr., P.E.; dated 4/18/2024. This drawing is an integral part of this Evaluation Report.



**2.2. TEST REPORTS:**

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

**2.3. STRUCTURAL ENGINEERING CALCULATIONS:**

On **Aluminum Wall Mounted Bracket Stand for Air Conditioning Unit** 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 4/18/2024, signed and sealed by Walter A. Tillit, Jr., P.E.

**3. MISSILE IMPACT RESISTANCE:**

Not Applicable Nor required

**4. WIND LOADS RESISTANCE:**

**Aluminum Wall Mounted Bracket Stand for Air Conditioning Unit** have been verified to sustain wind pressures. Maximum Pressure Rating (Lateral & Uplift) shall be as indicated on schedules on General Note # 1, sheet 1 of Product Evaluation Document (P.E.D.), drawing **No. 24-039** Required Anchor for connection to Host Structure, as applicable, shall be as indicated on sheet 2, 6 & 6A, of Product Evaluation Document (P.E.D.), drawing **No. 24-039**

**5. INSTALLATION:**

Installation shall be performed strictly in accordance with details indicated on sheets 3 thru 6A, of Product Evaluation Document (P.E.D.), drawing **No. 24-039**.

**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. 24-039**.

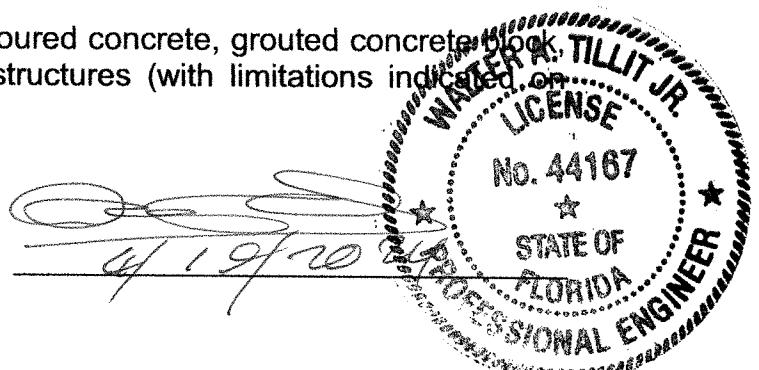
Anchor specifications shall be as indicated on sheet 2, of Product Evaluation Document (P.E.D.), drawing **No. 24-039**.

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

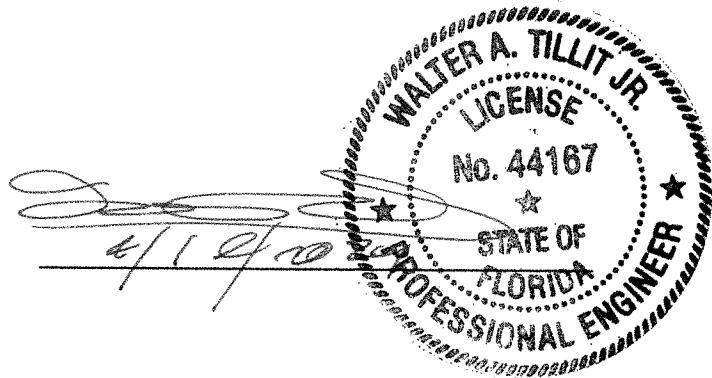
7.1. Shall be strictly in compliance with General Notes No. 1 thru 15, indicated on sheet 1 Product Evaluation Document (P.E.D.), drawing **No. 24-039** prepared by Tilteco, Inc. and signed and sealed by Walter A. Tillit, Jr., P.E.

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, hollow concrete block steel and wood structures (with limitations indicated on Sheets 6 & 6A).



7.4 Equipment Tie Down shall equal or exceed details indicated on sheets 6, 3, 4, 4A.



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D:\TILTECO ADMIN RECORDS \P. E. REPORT.24 \F & L ALUMINUM PARTS, INC \ **Aluminum Wall Mounted Bracket Stand for Air Conditioning Unit** \ DRWG # 24-039 \ REPORT # 24-0418.01