

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.: 25-0502.01

DATE: May 2, 2025

PRODUCT CATEGORY: Structural Components

PRODUCT SUB-CATEGORY: Pre-Engineered AC Stands

PRODUCT NAME: ROOF TOP EQUIPMENT TIE DOWN TO
ALUMINUM STANDS AND CONCRETE
SLAB ON GRADE

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. 25-045 Titled "ROOF TOP EQUIPMENT TIE DOWN TO ALUMINUM STANDS AND CONCRETE SLAB ON GRADE" sheets 1 thru 9 of 9 prepared by Tilteco, Inc.; signed and sealed by Walter A. Tillit, Jr., P.E.; dated 5/2/2025. This drawing is an integral part of this Evaluation Report.

5/19/2025

2.2. TEST REPORTS:

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

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On **Roof Top Equipment Tie Down to Aluminum Stands & Concrete Slab on Grade**. for maximum pressure rating vs required tie down based on rational analysis, and in accordance with sections 1604, 1616, 2002, 2003 and 2210 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated 4/24/2025 and 5/15/2025, signed and sealed by Walter A. Tillit, Jr., P.E.

3. MISSILE IMPACT RESISTANCE:

Not Applicable Not required

4. WIND LOADS RESISTANCE:

Roof Top Equipment Tie Down to Aluminum Stands & Concrete Slab on Grade have been verified to sustain wind pressures. Maximum Pressure Rating (Lateral & Uplift) shall be as indicated on schedule on sheet 9 of Product Evaluation Document (P.E.D.), drawing **No. 25-045**.

5. INSTALLATION:

Installation shall be performed strictly in accordance with details indicated on sheets 3 thru 8, of Product Evaluation Document (P.E.D.), drawing **No.25-045**.

6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

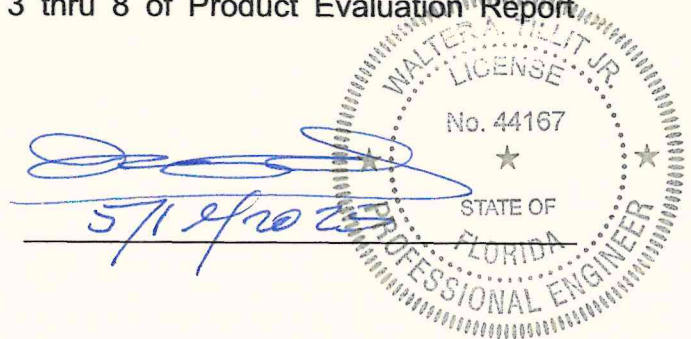
Shall be strictly in accordance with General Notes and Components indicated on sheets 1 and 2, of Product Evaluation Document (P.E.D.), drawing **No.25-045**.

7. LIMITATIONS AND CONDITIONS OF USE:

7.1. Shall be strictly in compliance with General Notes No. 1 thru 10, indicated on sheet 1 Product Evaluation Document (P.E.D.), drawing **No.25-045** 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. Tie Down Installation shall only be installed into Aluminum Stands or Concrete Slab on grade as indicated on sheets 3 thru 8 of Product Evaluation Report document (P.E.D) Drawing # **25-045**



7.4 Equipment Tie Down installation shall equal or exceed generic details indicated on sheets 3 thru 8.

7.5 Certification of Aluminum Stand & Concrete Slab on grade design not included on this Evaluation.



A handwritten signature in blue ink is written over a horizontal line, with the date "5/14/05" written below it. To the right of the signature is a circular professional engineer seal. The seal contains the text "WALTER A. TILLIT JR." at the top, "LICENSE" below it, "No. 44167" in the center, "STATE OF FLORIDA" below the center, and "PROFESSIONAL ENGINEER" at the bottom. Two stars are positioned on either side of the "STATE OF FLORIDA" text.

WATILL

D:\TILTECO ADMIN RECORDS \ P. E. REPORT.25 \ F & L ALUMINUM PARTS, INC \ Roof Top Equipment TIE
DOWN TO ALUMINUM STANDS & CONCRETE SLAB ON GRADE\ DRWG # 25-045 \ REPORT # 25-0502.01