Engineering Express® (EX)
Product Evaluation Report

February 13, 2025

Application Number:	FL 47334.1
EX Project Number:	24-81899
Product Manufacturer:	All Coast Fabrication
Manufacturer Address:	1320 N Andrews Ave Deerfield Beach, FL 33069
Product Name & Description:	Aluminum Stands for Mechanical Units (Light & Heavy Duty)

Scope of Evaluation:

This Product Evaluation Report is being issued in accordance with the requirements of the Florida Department of Business and Professional Regulation (Florida Building Commission) Rule Chapter 61G20-3.005, F.A.C., for statewide acceptance per Method 1 (d). The product noted above has been tested and/or evaluated as summarized herein to show compliance with standard ASCE 7-22 (ASD) and the Florida Building Code Eighth Edition (2023) and is, for the purpose intended, at least equivalent to that required by the Standard and Code. Re-evaluation of this product shall be required following pertinent Florida Building Code or ASCE Standard modifications or revisions.

Substantiating Data:

- **PRODUCT EVALUATION DOCUMENTS**

EX Performance Evaluation document # 24-81899 titled “Aluminum Stands for Mechanical Units”, prepared by Engineering Express, Inc., signed & sealed by RICHARD NEET, P.E. is an integral part of this Evaluation Report.

- **TEST REPORTS**

No testing is required, nor was used in the evaluation of this product.

- **STRUCTURAL ENGINEERING CALCULATIONS**

Structural engineering calculations have been prepared which evaluate the product based on comparative and/or rational analysis to qualify the following design criteria (per ADM 2020):

1. Maximum Allowable Size/Pressure Combinations.
2. Anchor Capacity

Impact Resistance:

Not Applicable.

Wind Load Resistance:

This product has been designed to resist wind loads as indicated on its respective Performance Evaluation document (i.e. engineering document).

Installation:

The product listed above shall be installed in strict compliance with the Performance Evaluation document (i.e. engineering document), along with all components noted therein.

The product components shall be of the material specified in the Performance Evaluation document (i.e. engineering document).

Limitations & Conditions of Use:

Use of each product shall be in strict accordance with its respective Performance Evaluation document (i.e. engineering document) as noted herein.

All supporting host structures shall be designed to resist all superimposed loads and shall be of a material listed in each product's respective anchor schedule. Host structure conditions which are not accounted for in each product's respective anchor schedule shall be designed for on a site-specific basis by a registered professional engineer.

All components which are permanently installed shall be protected against corrosion, contamination, and other such damage at all times. Any alteration to the respective Performance Evaluation document will invalidate it. This product has been designed for use inside and outside of the High Velocity Hurricane Zone (HVHZ & NON-HVHZ).

Respectfully,

RICHARD NEET, P.E.
ENGINEERING *EXPRESS*®
#PE86488 | Cert. Auth. 9885

RICHARD NEET
LICENSE
No. P.E. 86488
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Digitally signed by Richard Neet
Date: 2025.02.13 13:37:45-05'00'