Engineering Express®
Product Evaluation Report

April 29, 2024

Application Number: FL #22415.1
EX Project Number: 24-72784

Product Manufacturer: DiversiTech Corp

Manufacturer Address: 6650 Sugarloaf Pkwy, Suite 100
Duluth, Ga

Product Name: QUICK SLING MINISPLIT SUPERSTANDS
Product Description: QSMS Steel Mechanical Equipment Stands

Scope of Evaluation:

This Product Evaluation Report is being issued in accordance with the requirements of the Florida Department of Community Affairs (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 the Florida Building Code 8th Edition (2023) and is, for the purpose intended, at least equivalent to that required by the Code. Re-evaluation of this product shall be required following pertinent Florida Building Code modifications or revisions.

Substantiating Data:

- **PRODUCT EVALUATION DOCUMENTS**

Drawing #24-72784 titled "QUICK SLING MINISPLIT SUPERSTANDS", sheets 1-13, prepared by Engineering Express, signed & sealed by Richard Neet, P.E. are an integral part of this Evaluation Report.

- **TEST REPORTS**

Physical structural testing is not required for this type of product. However, testing was performed by Applied Technical Services in Marietta, GA under the direction of Randall M Bachtel. PE. Results were considered along with calculations (see next section) to determine the product performance.

- **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 AISC 360-16)

1. Stand Integrity
2. Maximum Allowable Design Pressures
3. Anchor Capacity for Various Substrates

No 33% increase in allowable stress has been used in the design of this product.

Impact Resistance:

Not applicable to this product.

Wind Load Resistance

This product has been designed to resist wind loads as indicated in the design schedule(s) on the Product Evaluation Document (i.e. engineering drawing).

Installation

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

The product components shall be of the material specified in the Product Evaluation Document (i.e. engineering drawing).

Limitations & Conditions of Use:

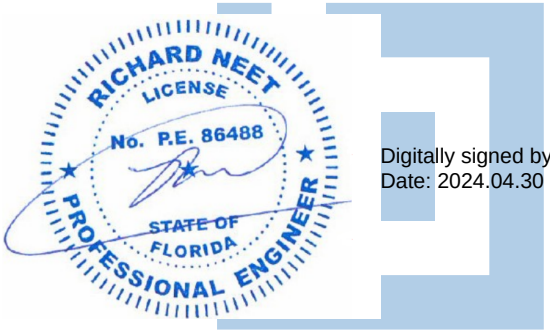
Use of this product shall be in strict accordance with the Product Evaluation Document (i.e. engineering drawing) as noted herein.

All supporting host structures shall be designed to resist all superimposed loads and shall be of a material listed in this product's respective anchor schedule. Host structure conditions which are not accounted for in this 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.

This product has been designed for use within and outside of the High Velocity Hurricane Zone (HVHZ).

Respectfully,



Digitally signed by Richard Neet
Date: 2024.04.30 10:50:24-04'00'

Richard Neet, PE
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