
PRODUCT EVALUATION REPORT

14OCT18

Application Number: FL 22415.2

RMB Engr. Project #: 217-052

Product Manufacturer: QuickSling LLC / DiversiTech Inc.

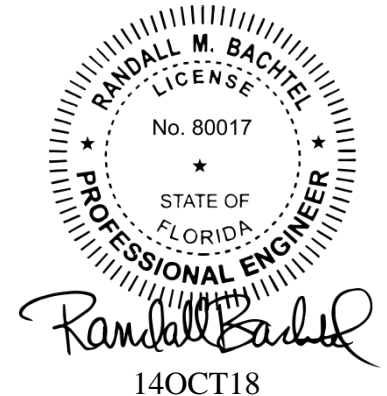
Manufacturer Address: 391 West Water St, Taunton, MA 02780

Product Name: QUICKSLING SUPERSTANDS
QSSB48-12, -12M, -18, -18M, -24, -24M
QSSX48-12, -12M, -18, -18M, -24, -24M

QSSB62-12, -12M, -18, -18M, -24, -24M
QSSX62-12, -12M, -18, -18M, -24, -24M

QSSB74-12, -12M, -18, -18M, -24, -24M
QSSX74-12, -12M, -18, -18M, -24, -24M

Product Description: QuickSling SuperStands for VRF A/C Condenser Units



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 including Miami-Dade, per **Method 1(D)**. The product noted above has been tested and evaluated as summarized herein to show compliance with the Florida Building Code – 6th Edition (2017) 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**

DiversiTech drawing titled: “**FL-44215.2-SuperStand-DWG**”, sheets 1-13 prepared by RMB Engineering LLC, signed and sealed by Randall M. Bachtel, P.E. FL 80017 is an integral part of this Evaluation Report.

- **TEST REPORTS**

No testing is required by the Florida Building Code 6th Edition for this Evaluation Report. Structural testing of the QSSB74-24 with QSSX3001-24 stand (WORST CASE STAND DIMENSIONS) was completed at Applied Technical Services in Marietta, GA in August 2018, under the direction of Randall M. Bachtel, P.E. even though this testing was not required. Test results show that both the QSSB74-24 and QSSX3001-24 each have the structural capacity to carry their maximum payload weight along with exposure to the 180 MPH maximum wind pressure (140 psf) on the maximum side face area allowed (LENGTH x HEIGHT).

- **STRUCTURAL ENGINEERING CALCULATIONS**

Structural engineering calculations have been prepared which evaluate the product based on comparative and/or rational analyses to qualify the following design criteria:

1. Maximum Allowable Size of the equipment /condenser(s) being mounted (Length , Width and Height)
2. Maximum weight of the equipment /condenser being mounted.
3. Anchor Capacity (shear and pullout)

IMPACT RESISTANCE:

Not Applicable.

WIND LOAD RESISTANCE:

Each product has been designed to resist wind loads as indicated in the schedule(s) on the DWG: “*FL-44215.2-SuperStand-DWG*”, sheets 1-13.

INSTALLATION:

Each product listed above shall be installed in strict compliance with its respective Product Evaluation Document (i.e. “*FL-44215.1-SuperStand-INS*”, sheets 1-2) along with all components noted therein.

Each product component shall be of the material specified in that products respective Product Evaluation Document (i.e. “*FL-44215.2-SuperStand-DWG*”, sheets 1-13.

LIMITS AND CONDITIONS OF USE:

Use of each product shall be in strict accordance with its respective Product Evaluation Document (i.e. “*FL-44215.2-SuperStand-DWG*”, sheets 1-13. as noted herein.

All supporting host structures shall be designed separate from this product evaluation to resist all superimposed loads and shall be of a material listed in each products 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.

All of the products in the QuickSling SUPERSTAND series have been designed for use within the High Velocity Hurricane Zone (HVHZ) including the Miami-Dade local region.

END OF REPORT – 14OCT18