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## PRODUCT EVALUATION REPORT

14OCT18

Application Number: FL 22415.1

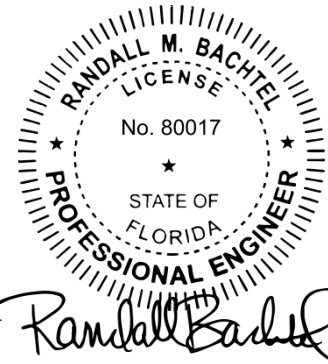
RMB Engr. Project Number: 217-051

Product Manufacturer: QuickSling LLC / DiversiTech Inc.

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

Product Name: MINI-SPLIT SUPERSTANDS  
QSMS3001-12, 12M QSMS3001-12EXT, -12EXTM  
QSMS3001-18, 18M QSMS3001-18EXT, -18EXTM  
QSMS3001-24, 24M QSMS3001-24EXT, -24EXTM

Product Description: QuickSling SuperStands for mini-split A/C Condenser Units



14OCT18

### ***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-44215.1-MiniSplit SuperStand-DWG*”, sheets 1-12 prepared by RMB Engineering LLC, signed and sealed by Randall M. Bachtel, P.E. FL 80017 is an integral part of this Evaluation Report.

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- **TEST REPORTS**

No testing is required by the Florida Building Code 6<sup>th</sup> Edition for this Evaluation Report. Structural testing of the QSMS3001-24 and QSMS3001-24EXT stands (WORST CASE STAND DIMENSIONS) was completed at Applied Technical Services in Marietta, GA in September 2018, under the direction of Randall M. Bachtel, P.E. even though this testing was not required. Test results show that both the QSMS3001-24 and QSMS3001-24EXT 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-44215.1-MiniSplit SuperStand-DWG*”, sheets 1-12.

## ***INSTALLATION:***

Each product listed above shall be installed in strict compliance with its respective Product Evaluation Document (i.e. “*FL-44215.1-MiniSplit-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-44215.1-MiniSplit SuperStand-DWG*”, sheets 1-12).

## ***LIMITS AND CONDITIONS OF USE:***

Use of each product shall be in strict accordance with its respective Product Evaluation Document (i.e. “*FL-44215.1-MiniSplit SuperStand-DWG*”, sheets 1-12) as noted herein.

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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 Mini-Split QSMS3001 series have been designed for use within the High Velocity Hurricane Zone (HVHZ) including the Miami-Dade local region.**

**END OF REPORT – 14OCT18**