

**ENGINEERING EXPRESS®  
EXPERT PRODUCT EVALUATION REPORT**

October 18, 2017

Application Number: FL 11291.2-R7  
EX Project Number: 16-3080Product Manufacturer: Storm Smart Industries, Inc.  
Manufacturer Address: 6182 Idlewild Street  
Fort Myers, FL 33966Product Name & Description: Storm Catcher Wind Abatement Screen System  
(HVHZ & Non-HVHZ)**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 the Florida Building Code Sixth 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**

EX drawing #16-3080 titled "Storm Catcher Wind Abatement Screen System", sheets 1-36, prepared by Frank L. Bennardo, P.E., Inc., signed & sealed by Frank L. Bennardo, P.E. is an integral part of this Evaluation Report.

- **TEST REPORTS**

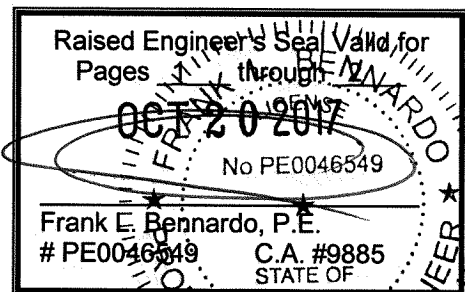
Uniform static structural performance has been tested in accordance with TAS 201, 202 & 203 and ASTM E330, E1886, E1996 test standards per test report(s) #09-665 (signed by Julio E. Gonzalez, PE), #13-890 (signed by Marlin D. Brinson, PE), #15-5892, #15-5893, #17-7199, #17-7449 & #17-7543 (signed by Idalmis Ortega, PE) by Fenestration Testing Laboratory, Inc.

Testing for Self-Ignition Temperature, Rate & Extent of Burn and Smoke Density were performed according to ASTM D1929, ASTM D2843, ASTM D635 per Test Reports HETI-17-F301, F302, F303, F304, F305 (signed by Rafael E. Droz-Seda, PE).

See attached letter signed by Frank L. Bennardo qualifying product for UV requirements per ASTM G154 and ASTM G155,

- **STRUCTURAL ENGINEERING CALCULATIONS**

Structural engineering calculations have been prepared which evaluate the product based on comparative and/or rational



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analysis to qualify the following design criteria:

1. Maximum Allowable Anchor Spacing
2. Maximum Allowable Deflections

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

### ***Impact Resistance:***

This product has been tested and designed to resist large and small missile impact.

### ***Wind Load Resistance***

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

### ***Installation***

Each product listed above shall be installed in accordance with separate engineering documents. This Product Evaluation Document (i.e. engineering drawing) provides no instructions for installation, only that the product has been designed to perform under load as shown with all components noted therein.

Each product component shall be of the material specified in that product's respective Product Evaluation Document (i.e. engineering drawing).

### ***Limitations & Conditions of Use:***

Use of each product shall be in strict accordance with its respective 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 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.

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