

GD Foreman PE, SE, AIA PA.

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August 31, 2023

Application Number: 20744-R4

Product Manufacturer: Storm Smart , Inc.
6182 Idlewild Street
Fort Myers, FL 33966

Product Name and Description: Roll-up Screen Mullions HVHZ and 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 2(b). The product notes above has been calculated to be used with the tested and approved Storm Smart Roll-up Screen system. The Roll-up Screen system has been approved and is installed under a separate approval number. The Roll-up Screen Mullion product has been calculated in compliance with the Florida Building Code 2023, ASCE 7-22 (referenced in the FBC 2023), Aluminum Design Manual, and published fastener technical data, for the purpose intended as required by the Code. Re-evaluation of this product shall be required follow any pertinent subsequent Florida Building Code modifications or revisions.

Substantiating Data:

Gary D Foreman PE SE AIA, PA drawings titled “*Storm Smart, Inc, Roll-up Screen Mullions, HVHZ and non-HVHZ*” sheets 1 through 15 prepared by Gary D Foreman PE SE AIA PA, signed and sealed by Gary D Foreman PE is an integral part of this Evaluation Report.

Structural engineering calculations have been prepared which evaluate the product passed upon comparative and /or rational analysis to qualify the following design criteria:

- Anchor Spacing
- Maximum allowable size and pressure combinations for listed mullion shapes and alloys
- Anchor Capacity

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

All pressures listed are un-factored asd values.

Each product has been designed to resist ASD wind loads as indicated in the design schedules in the product evaluation document.

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Installation

Each product listed above shall be installed in strict compliance with the Product Evaluation Document along with all components noted therein.

Each product component shall be the material specified in that product's respective Product Evaluation Document.

Limitations & Conditions of Use

Use of each product shall be in strict accordance with its respective Product Evaluation Document as noted herein.

All supporting host structures shall be designed to resist all superimposed loads and shall be of 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 on a site-specific basis by a registered professional engineer.

All components which are permanently installed shall be protected against corrosion, contamination, galvanic action and other such damage at all times.

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

Gary D Foreman

Digitally signed by Gary D Foreman
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