



## PRODUCT APPROVAL EVALUATION REPORT

|                                                                                                           |                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Product Manufacturer:</u><br>Perfect Storm Screen.<br>12901 Southwest 89 court<br>Miami, Florida 33176 | <u>Product Name/Model &amp; Description:</u><br>Perfect storm screen screening systems - (LMI & SMI)<br>Large missile impact and small missile impact |
|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

**Scope:** This product has been evaluated by the below-signed Florida Professional Engineer for compliance with the Code noted herein and is, for the purpose intended, at least equivalent to that required by the Code, in accordance with section 553.842 F.S. & chapter 61G20-3.005 F.A.C. Evaluation of this product shall be required following applicable Code modifications or revisions.

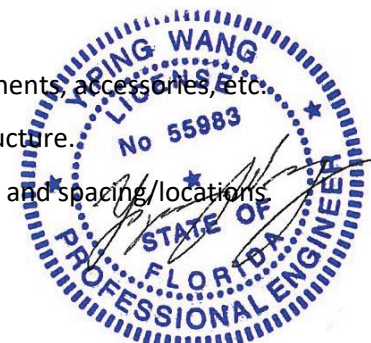
**Code:** 7<sup>th</sup> Edition Florida Building Code (2020) / 8<sup>th</sup> Edition Florida Building Code (2023), inclusive of all Supplements effective as of this report date.

**Compliance Method:** 61G20-3.005 (1)(d) – Evaluation Report from a licensed Professional Engineer

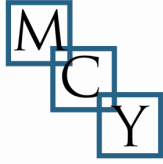
**Product Description:** Product Approval **Drawing #AD22-06**, prepared by MCY Engineering, signed and sealed by Yiping Wang, P.E., is an integral part of this Evaluation Report.

### Limitations & Conditions of Use:

- This product has been evaluated for use **inside and outside of the HVHZ** (High-Velocity Hurricane Zone)
- Impact Resistance: **Large and Small Missile Impact**
- Refer to Product Approval Drawing noted above for:
  - Maximum allowable wind loads at the related maximum allowable size(s).
  - Other load limitations applicable to the product, if any.
  - Overall dimensions and material/ grade of main product components, accessories, etc.
  - Illustrated diagrams of the attachment of the product to the structure.
  - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.



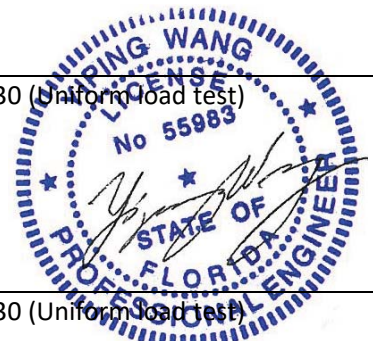
November 15th, 2023

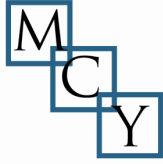


## Test Reports:

### Mandatory Tests (Tested in accordance with Florida Building Code Tests Protocols)

| Test Lab                              | Report Number                                                                  | Test Report Date | Test Standard & Description                                                        |
|---------------------------------------|--------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------|
| Hurricane Engineering & Testing, Inc. | HETI-11-3340<br><i>Signed and sealed<br/>by Rafael E. Droz-<br/>Seda. P.E.</i> | 12.12.2011       | ASTM E330 (uniform static test)                                                    |
| Hurricane Engineering & Testing, Inc. | HETI-11-3341<br><i>Signed and sealed<br/>by Rafael E. Droz-<br/>Seda. P.E.</i> | 12.12.2011       | TAS 201 (large and small missile impact)<br>TAS 203 (cyclic wind pressure loading) |
| Hurricane Engineering & Testing, Inc. | HETI-11-3343<br><i>Signed and sealed<br/>by Rafael E. Droz-<br/>Seda. P.E.</i> | 12.12.2011       | ASTM E330 (uniform static test)                                                    |
| Hurricane Engineering & Testing, Inc. | HETI-11-3336<br><i>Signed and sealed<br/>by Rafael E. Droz-<br/>Seda. P.E.</i> | 12.12.2011       | TAS 201 (large missile impact)<br>TAS 203 (cyclic wind pressure loading)           |
| Hurricane Engineering & Testing, Inc. | HETI-12-4057<br><i>Signed and sealed<br/>by Rafael E. Droz-<br/>Seda. P.E.</i> | 09.21.2012       | TAS 201 (large missile impact)<br>TAS 203 (cyclic wind pressure loading)           |
| Hurricane Engineering & Testing, Inc. | HETI-12-4056<br><i>Signed and sealed<br/>by Rafael E. Droz-<br/>Seda. P.E.</i> | 09.21.2012       | ASTM E330 (Uniform load test)                                                      |
| Hurricane Engineering & Testing, Inc. | HETI-11-3335<br><i>Signed and sealed<br/>by Rafael E. Droz-<br/>Seda. P.E.</i> | 12.12.2011       | ASTM E330 (Uniform load test)<br><br>November 15th, 2023                           |





**MCY ENGINEERING, INC.**  
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|---------------------------------------|----------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------|
| Hurricane Engineering & Testing, Inc. | <i>HETI-12-4060</i><br><i>Signed and sealed</i><br><i>by Rafael E. Droz-Seda. P.E.</i> | 09.21.2012 | ASTM E330 (Uniform load test)                                                      |
| Hurricane Engineering & Testing, Inc. | <i>HETI-12-4061</i><br><i>Signed and sealed</i><br><i>by Rafael E. Droz-Seda. P.E.</i> | 09.21.2012 | TAS 201 (large missile impact)<br>TAS 203 (cyclic wind pressure loading)           |
| Hurricane Engineering & Testing, Inc. | <i>HETI-11-3345</i><br><i>Signed and sealed</i><br><i>by Rafael E. Droz-Seda. P.E.</i> | 12.12.2011 | TAS 201 (large and small missile impact)<br>TAS 203 (cyclic wind pressure loading) |
| Hurricane Engineering & Testing, Inc. | <i>HETI-11-3344</i><br><i>Signed and sealed</i><br><i>by Rafael E. Droz-Seda. P.E.</i> | 12.12.2011 | TAS 201 (large and small missile impact)<br>TAS 203 (cyclic wind pressure loading) |

**Engineering Analysis:** The following engineering analyses and/or calculations have been performed:

- No comparative analysis has been performed for conditions other than those tested.
- No rational analysis has been performed.
- Anchor calculations are based on manufacturer's published anchor capacity, anchor Notice of Acceptance by Miami Dade County.



November 15th, 2023