

Product Evaluation Report

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Product Manufacturer

QMI Security Solutions
1661 Glenlake Ave.
Itasca, IL 60143

Product Name, Model and/or Description

Stormsafe Screen – Operable Impact Screen
HVHZ

Code: Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code

Compliance Method: 61G20-3.005(1)(a) – Certification Method

Product Name, Model and/or Designation: Products covered by this evaluation include the following.

- QMI Stormsafe Screen – Operable Impact Screen – HVHZ

Product Testing, Materials and Certification:

- NAMI Waiver of Retest No. W-2113
 - Waiver of Retest based on PTC Report No. RAER_2791_Rev1_SMI Test Equivalency Evaluation using LMI and SMI test reports listed below.
- LMI Test Reports by Certified Testing Laboratories, 1924 Premier Row, Orlando, FL 32809.
 - QMI Stormsafe Screen – Operable Impact Screen – Non-HVHZ: Test Report No. CTLA-1366W-3 to ASTM E330-02, ASTM E1886-02 and ASTM E1996-02
 - QMI Stormsafe Screen – Operable Impact Screen - HVHZ: Test Report No. CTLA-1366W, dated 4/5/2005, signed and sealed by Ramesh Patel, P.E. to TAS 201, TAS 202 and TAS 203
- SMI Test Report by Intertek, 2658 Electronics Way, West Palm Beach, Florida 33407
 - Impact and Cyclic Testing on Series 28 Op/Egress Operable Impact Screen, Test Report Number No. Q4160.01-450-18 R1, TAS 201/203 (Small Missile) and ASTM E1886-13a/ASTM E1996-17, signed and sealed by Tanya A. Dolby, P.E.

Product Installation Instructions:

- PTC PDG Drawing No. QMI0004, Rev. B, dated 1/28/24, signed and sealed by Robert. J. Amoruso, QMI Stormsafe Screen – Operable Impact Screen – HVHZ; Installation and Anchorage Details.

Engineering Analysis & Evaluation: The following evaluations, engineering and/or rational analysis/calculations have been performed.

- Screen anchorage has been verified by calculation prepared, signed, and sealed by Robert J. Amoruso, P.E. in accordance with the current edition of the Florida Building Code.

Limitations & Conditions of Use:

- This product has been evaluated for use inside the HVHZ (High Velocity Hurricane Zone).
- Refer to Product Installation Instructions noted above for:
 - Maximum allowable wind loads at related maximum allowable size(s).
 - Overall dimensions and material/grade of main product components, accessories, etc.
 - Illustrated diagrams of the attachment of the product to substrate structure of 18 GA. steel studs of 50 ksi yield strength.
 - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.
- Site wind pressures shall be determined by a licensed professional engineer in accordance with the current edition of the Florida Building Code (and/or ASCE 7 as referenced in the current edition of the Florida Building Code) for components and cladding based on allowable stress design.



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- Site conditions not covered in this product evaluation document are subject to additional engineering analysis by a licensed professional engineer or registered architect as required by the authority having jurisdiction.
- Adequacy of the existing structural substrates as a main wind force resisting system capable of withstanding and transferring applied product loads to the foundation is the responsibility of the licensed professional engineer or registered architect acting as the design professional of record for the project of installation.

Certificate of Independence per Product Approval Rule 61G20-3.009

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. does not have, nor will acquire, any financial interest in the company manufacturing or distributing product(s) covered by this Product Evaluation Report.

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. do not have, nor will acquire any financial interest in any other entity involved in the approval process or testing of the product(s) covered by this Product Evaluation Report.

Evaluated By:
Robert J. Amoruso, P.E.
FL P.E. License Number 49752

