

Product Evaluation Report

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Product Manufacturer

QMI
1661 Glenlake Ave.
Itasca, IL 60143

Product Name, Model and/or Description

Stormsafe Screen – Fixed 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 – Fixed Impact Screen - HVHZ

Product Testing, Materials and Certification:

- Test Reports by Certified Testing Laboratories, 1924 Premier Row, Orlando, FL 32809.
 - Fixed Impact Screen - HVHZ: Report No. CTLA-1366W-1, dated 4/5/2005, signed and sealed by Ramesh Patel, P.E. to TAS 201, TAS 202 and TAS 203
- Test Report by Intertek, 2658 Electronics Way, West Palm Beach, FL 33407
 - Fixed Impact Screen - HVHZ: Project/Test Report No. N3182.01-450-18-R0, dated 10/18/23, signed and sealed by Tanya A. Dolby, P.E. to TAS 201 and TAS 203, Small Missile Impact for Porous Impact Protection Device and ASTM E1886-13a and ASTM E1996-17.

Product Installation Instructions:

- PTC PDG Drawing No. QMI0003, Rev. B, dated 9/25/23, signed and sealed by Robert. J. Amoruso, *QMI Stormsafe Screen – Fixed Impact Screen – HVHZ; Installation and Anchorage Details.*

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

- The screen anchorage has been verified by calculations prepared, signed, and sealed by Robert J. Amoruso, P.E. in accordance with the current edition of the Florida Building Code.
 - PTC PDG Report No. 1693, Rev. 1 for Fixed Impact Screen
 - PTC PDG Report No. 1692-1693 Addendum, Rev. 0
- Material Testing Equivalency Evaluation: Equivalency of Standards has verified by comparison of standards used in testing to those currently required in the Florida Building Code as meeting Florida Building Code at the revision levels required by the code.
 - PTC PDG Report No. 2367-EER for Impact Screen Testing Standards Equivalency Evaluation.

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.

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

