

Product Evaluation Report

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Product Manufacturer

CAT 5 Hurricane Screens, LLC.
13474 Chambord St.
Brooksville, FL 34613

Product Name, Model and/or Description

Wind Abatement System

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

Compliance Method: Product Approval Rule 61G20-3.005(1)(d) – Product Evaluation Report by a Licensed Professional Engineer

Product Category/Sub-Category: Shutters/Fabric Storm Panel

Product Name, Model and/or Designation; Test Report No.; and Installation Drawing No.:

- Wind Abatement System
 - Test reports and associated laboratory drawings by Certified Testing Laboratories, Orlando, FL
 - CTLA-1523W, 78" x 120" Wind Abatement System, Geotextile Polypropylene Fabric Storm Protection Screen Testing to ASTM E330-02, ASTM E 1886-02 and ASTM E 1996-02 to Design Pressure of + 90 psf - 90 psf. Dated 5/19/06, Signed and Sealed by Ramesh Patel, P.E., FL License No. 20224.
 - CTLA-1827W, 144" x 180" Wind Abatement System, Geotextile Polypropylene Fabric Storm Protection Screen Testing to ASTM E330-02, ASTM E 1886-02 and ASTM E 1996-02 to Design Pressure of + 60 psf - 60 psf. Dated 4/17/08, Signed and Sealed by Ramesh Patel, P.E., FL License No. 20224.
 - PTC Product Design Group Drawing No. CAT0005, Rev. C, dated 1/16/18, *CAT5 Hurricane Screens Wind Abatement System – Installation Anchorage Details*, signed and sealed by Robert. J. Amoruso, P.E.

Engineering Analysis & Evaluation:

- PTC Product Design Group Report No. 989, Rev. 4, *CAT5 Hurricane Screens Wind Abatement System - Anchorage Engineering*, signed and sealed by Robert J. Amoruso, P.E.

Performance Testing:

- ASTM E330-02, Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference
- ASTM E1886-02, Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Storm Shutters Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials
- ASTM E1996-02, Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters Impacted by Windborne Debris in Hurricanes

Limitations & Conditions of Use:

- This product has not been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
- 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.
 - 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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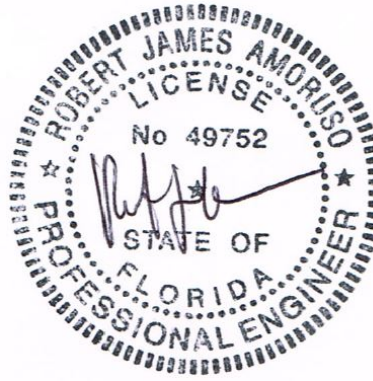
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- Site conditions not covered in this product evaluation document are subject to additional engineering analysis by a licensed professional engineer or registered architect as required by the authority having jurisdiction.
- Adequacy of the existing 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.



Digitally signed
by Robert J
Amoruso
Date:
2023.10.12
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Evaluated By:
Robert J. Amoruso, P.E.
FL P.E. License Number 49752

