

Product Evaluation Report

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<u>Manufacturer</u>	<u>Product Series, Model and/or Description</u>
HMF EXPRESS 2501 Northchase Parkway SE Wilmington, NC 28405	Series Borrow Lite Steel Frame, Impact (HMF0006) TRANSOM – SIDELIGHT FOR SWINGING DOOR ASSEMBLIES

Code: Current Edition of the Florida Building Code including 6th Edition (2017) FBC.

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

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

- PTC Product Design Group Drawing No. HMF0006, Original Issue, dated 2/27/19, Series Borrow Lite Steel Frame, Transom – Sidelight for Swinging Door Assemblies, Impact, Installation Anchorage Details, signed and sealed by Robert J. Amoruso, P.E., FL No. 49752.
 - Test Report No. TEL02991414, dated 10/14/2015 by Testing Evaluation Laboratories, Inc.
 - ASTM E330-02
 - ASTM E1886-05
 - ASTM E1996-09

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

- Anchorage and product verification has been substantiated by calculation (PTC Report. No. 2568-Calc) 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 not been evaluated for use inside the HVHZ (High Velocity Hurricane Zone).
- This product is Impact Resistance, therefore a protective impact-rated device (i.e., shutter(s)) is not required.
- This product has not been evaluated for water penetration but may be used under the following exceptions per the Florida Building Code.
 - Installed in non-habitable areas.
 - Installed in habitable locations protected by an overhang or canopy such that the overhang ratio (oh) = oh length / oh height is equal to or greater than 1.
 - where: OH Length = The horizontal measure of how far an overhang over a door projects out from the door's surface. OH Height = The vertical measure of the distance from the door's sill to the bottom of the overhang over a door.
- 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 the 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 7-10 for components and cladding based on allowable stress design.
- 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.



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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 PE License No. 49752

