
EQUIVALENCY EVALUATION REPORT

Project No.: ACE-2025-126

Report No.: ACE-EER-1168, Rev. 0

Product Description: Series Borrow Lite Steel Frame, Impact, Transom – Sidelight for Swinging Door Assemblies (HMF0006)

Product Manufacturer: HMF Express LLC, 2501 Northchase Pkwy SE, Wilmington, NC 28405

Compliance Method: Product Approval Rule 61G20-3.015(4)(d) – Equivalency of Standards

Documentation/References:

- Drawing No. HMF0006, Rev. C, 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

Non-HVHZ Testing Equivalency Evaluation – Test Report shown above.

The following table shows the performance standards used in testing and those in the current edition of the FBC.

Standard Used in Testing		Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code		Comments
Description	Revision Level	Building Volume (FBC)	Residential Volume (FRC)	
ASTM E330	02	14	14	Acceptable
ASTM E1886	05	13a	13a	Acceptable
ASTM E1996	09	14a	14a	Acceptable

Based upon review of testing conducted and reported in the test report listed above, these products were tested in a manner consistent with the current versions of the ASTM standards listed in the 8th Edition (2023) Florida Building Code. Therefore, testing follows the 8th Edition (2023) Florida Building Code requirements.

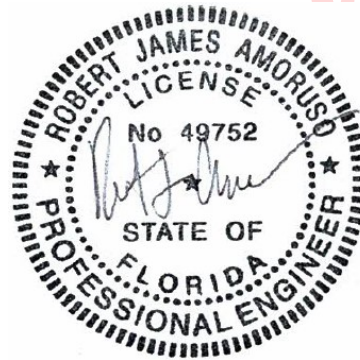
ASTM E1996 Testing Evaluation:

- 1) Wind Zone 4 testing
 - a. ASTM E1996-14 moved Wind Zone 4 criteria to the non-mandatory appendix. As indicated in Appendix X4.1, ASTM E1996-14a the Wind Zone 4 requirement, though non-mandatory, is still present and may be specified when needed to meet specific building codes requirements. Those requirements are detailed in Sections 1609.1.2.2, 1609.1.2.4 and 1609.3 of the Florida Building Code. Based on a review of the test reports, those parameters are met.
- 2) The Missile Level and Impact Speed used in testing are consistent with those currently required by the Florida Building Code.
- 3) The static load (ASTM E330) and cyclic load (ASTM E1886/E1996) parameters used in testing are consistent with those currently required by the Florida Building Code.

**Certificate of Independence per Product
Approval Rule 61G20-3.009**

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Robert J. Amoruso, P.E., does not have, nor will he 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.



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