

Product Evaluation Report

Report No. ACE-PER-1253, Rev. 0 | Project No. ACE-2026-141 | 9/2/26 | Page 1 of 3

Product Manufacturer

New Era Door Corp.
dba Custom Door and Millwork
2787 N. Airport Rd., Unit No. 410
Fort Myers, Florida 33907

Product Name, Model and/or Description

Impact Double Glazed Door with Transom – Outswing and Inswing
Impact Double Opaque Entry Door – Outswing and Inswing

Code: Current Edition of the Florida Building Code including the 9th Edition (2026) Florida Building Code

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

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

- Impact Double Glazed Doors with Transom – Outswing and Inswing
 - CDM0003, Rev. F, dated 9/2/26 signed and sealed by Robert J. Amoruso, Custom Door and Millworks, Impact Double Glazed Door with Transom – Outswing and Inswing – Installation Anchorage Details
 - CTLA 1850W-1, dated September 09, 2008
- Impact Double Opaque Entry Door – Outswing and Inswing
 - CDM0004, Rev. F, dated 9/2/26, signed and sealed by Robert J. Amoruso, Custom Door and Millworks, Impact Double Opaque Entry Door – Outswing and Inswing – Installation Anchorage Details
 - CTLA 1850W, dated September 09, 2008

Component Approvals:

- Laminate Glass Interlayer: Uvekoll Laminated Glass Interlayer by Allnex USA Inc. per current Miami-Dade Notice of Acceptance found [here](#).

Engineering Analysis & Evaluation:

- Anchorage engineering (Report No. 1133-Calc & 1119-Calc) in accordance with the current edition of the Florida Building Code, signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752.
- Report No. ACE-RAER1-1253, Rev. 0, dated 9/2/26, signed and sealed by Robert J. Amoruso, P.E. FL No. 49752, Title: Product Evaluation of Door Lock Component Interchangeability to Custom Door & Millworks Wood Entry Doors
 - Von Duprin (Allegion) WS9827/9927 and/or WS9857/9957 Multi-Point exit device can be used as a replacement for the Emtek 8450 Cylinder Lock with single cylinder dead bolt & steel surface bolts with strike plates used in testing.
- Report No. ACE-RAER2-1253, Rev. 0, dated 9/2/26, signed and sealed by Robert J. Amoruso, P.E. FL No. 49752, Inswing Door Evaluation.

Amoruso Consulting Engineering, LLC
FBPE Registration No. 38327
Robert J. Amoruso, FL P.E. No. 49752

226 N. Nova Rd., #142
Ormond Beach, FL 32174
rjaengpe@gmail.com

Product Evaluation Report

Report No. ACE-PER-1253, Rev. 0 | Project No. ACE-2026-141 | 9/2/26 | Page 2 of 3

- Window glazing verified using ASTM E1300-24.

Performance Standards (used in testing):

- ASTM E330-02, Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.
- ASTM E331-00, Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference.
- ASTM E547-00, Water Penetration of Exterior Windows and Doors by Static Air Pressure Difference.
- ASTM E283-04, Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen
- ASTM E1886-05, Standard Test Method for Performance of Exterior Windows, Glazed Curtain Walls, Doors, and Storm Shutters Impacted by Missiles and Exposed to Cyclic Pressure Differentials.
- ASTM E1996-05, Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Storm Shutters Impacted by Windborne Debris in Hurricanes.

Limitations & Conditions of Use:

- The following product has been evaluated for outside the High Velocity Hurricane Zone (HVHZ).
 - Impact Double Glazed Doors with Transom – Outswing and Inswing
 - Impact Double Opaque Entry Door – Outswing and Inswing
- The following product will not require an approved impact protective system when used in wind borne debris regions.
 - Impact Double Glazed Doors with Transom – Outswing and Inswing
 - Impact Double Opaque Entry Door – Outswing and Inswing
- 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.
- 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.

Product Evaluation Report

Report No. ACE-PER-1253, Rev. 0 | Project No. ACE-2026-141 | 9/2/26 | Page 3 of 3

Certificate of Independence per Product Approval Rule 61G20-3.009

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.

Robert J. Amoruso, P.E., does 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.



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Robert J
Amoruso

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Evaluated by:
Robert J. Amoruso, P.E.
FL P.E. License No. 49752

Amoruso Consulting Engineering, LLC
FBPE Registration No. 38327
Robert J. Amoruso, FL P.E. No. 49752

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