

Product Evaluation Report

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Product Manufacturer

Elixir Door and Metals Company
1215 Pope Drive
Douglas, GA 31533

Product Name, Model and/or Description

Non-Impact Glazed or Opaque, Inswing or Outswing, Painted Steel or Vinyl Laminated Steel Doors with or without Storm Door – X

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

Compliance Method: 61G20-3.005(1)(a) – Certification Mark or Listing

Product Testing, Materials and Certification: Test Reports by Construction Consulting Laboratory

- ELIX0050: # CCL-20-165, dated 9/28/20 to ASTM E330-14
- ELIX0051: # CCL-20-166, dated 9/28/20 to ASTM E330-14
- ELIX0052: # CCL-20-167, dated 9/28/20 to ASTM E330-14
- ELIX0053: # CCL-20-168, dated 9/28/20 to ASTM E330-14

Product Installation Instructions: All drawings listed below by PTC Product Design Group, Revision B, dated 1/25/21, signed and sealed by Robert. J. Amoruso, P.E.

- ELIX0050: Model 402-14 Non-Impact Outswing Vinyl Laminated Steel Door w/Storm Door
- ELIX0051: Model 402-20S Non-Impact Outswing Vinyl Laminated Steel Door w/Storm Door
- ELIX0052: Model 407 Non-Impact Outswing Vinyl Laminated Steel Door w/Storm Door
- ELIX0053: Model 430-W9 Non-Impact Outswing Vinyl Laminated Steel Door w/Storm Door

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

- PTC PDG Report No. 1933 Anchorage Engineering for doors *shown on drawings ELIX0050, ELIX0051, ELIX0052 and ELIX0053*, signed and sealed by Robert J. Amoruso, P.E.

Limitations & Conditions of Use:

- This product has NOT been evaluated for use inside the HVHZ (High Velocity Hurricane Zone).
- This product will require an impact protection device in wind-borne debris region.
- Refer to Product Installation Instructions noted above for:
 - Maximum allowable wind loads at related maximum allowable size(s).
 - Maximum allowed sizes of fenestration components.
 - 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.



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Certificate of Independence per Product Approval Rule 61G20-3.009

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

