

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 Inswing or Outswing Steel Doors
X, OX, XO

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

- ELIX0047: #CCL-20-169, dated October 16, 2020 to ASTM E330-14, Model AVIF7N, XO or OX
- ELIX0049: #CCL-20-170, dated October 16, 2020 to ASTM E330-14, Model BVIF7N, X w/o Storm Door
- ELIX0049: #CCL-20-171, dated October 16, 2020 to ASTM E330-14, Model BVIF7S, X w/Storm Door

Product Installation Instructions:

- ELIX0047, Rev. B: Non-Impact Model AVIF7N IS Steel Doors
- ELIX0049, Rev. B: Non-Impact Model BVIF7N & BVIF7S IS Steel Doors

Engineering Analysis & Evaluation: Anchorage to structural substrate has been verified by calculation (PTC PDG Calc. No. 1931, Rev. 0) 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 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).
 - 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.



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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

