

Product Evaluation Report

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Product Manufacturer

Renaissance Windows and Doors
13340 International Parkway
Jacksonville, FL 32218

Product Name, Model and/or Description

Series 8400 Vinyl Sliding Glass Door – OX, XO, OXO, OXXO

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 Name, Model and/or Designation: Products covered by this evaluation include the following.

- Series 8400 Vinyl Sliding Glass Door:
 - OX and XO
 - OXO
 - OXXO

Product Testing, Materials and Certification (as applicable):

- Testing:
 - Intertek/ATI Inc. G5681-01-901-44-r0 (OX, 96x83 & 96x96 frame heights), dated 5/24/17, testing conduct to AAMA/WDMA/CSA 101/I.S.2/A440-08/11.
 - Intertek/ATI Inc. E9674-01-901-44-r0 (OXO, 130x84 frame height), dated 9/2/15, testing conduct to AAMA/WDMA/CSA 101/I.S.2/A440-08/11.
 - Intertek/ATI Inc. D4937-01-901-44-r0 (OXXO, 142x80 frame height), dated 4/3/14, testing conduct to AAMA/WDMA/CSA 101/I.S.2/A440-08.

Product Installation Instructions:

- PTC PDG Drawing No. RWD0024, signed and sealed by Robert. J. Amoruso, Renaissance Windows and Doors, Series 8400 Vinyl Sliding Glass Door - OX, XO, OXO, OXXO Fin & Through-Frame Installation Anchorage Details.

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

- Anchorage to structural substrate has been verified by calculation (PTC PDG Calc. No. 2663) prepared by Robert J. Amoruso, P.E. in accordance with the current edition of the Florida Building Code.
- Glazing evaluated using ASTM E1300-12AE1 and found to be acceptable.

Performance Standards (used in testing):

- AAMA/WDMA/CSA 101/I.S. 2/A440-08
- AAMA/WDMA/CSA 101/I.S. 2/A440-11

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 protective device when used in Wind Borne Debris Regions.
- 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.



PTC Product Design Group, LLC | PO Box 520775 | Longwood, FL 32752-0775
321-690-1788 | FBPE Certification of Authorization No. 25935

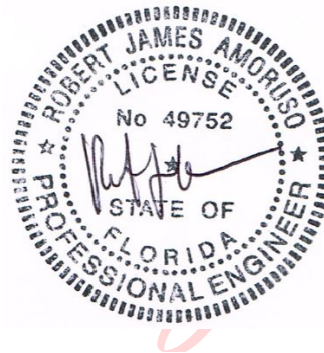
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- Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.
- Site wind pressures shall be determined by a licensed professional engineer in accordance with the current edition of the Florida Building Code (and/or ASCE 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.

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. PTC Product Design Group, LLC and Robert J. Amoruso, P.E. do 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.



Digitally signed
by Robert J
Amoruso
Date:
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Evaluated By:
Robert J. Amoruso, P.E.
FL P.E. License Number 49752

