

# 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 8500 Vinyl Single Hung Window - Single  
Series 8500 Vinyl Single Hung Window - Twin  
Series 8500 Vinyl Single Hung Window - Triple

**Code:** Current Edition of the Florida Building Code including the 7th Edition (2020) Florida Building Code

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

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

- Series 8500 Vinyl Single Hung Window – Single
  - National Certified Testing Laboratory Report No. NCTL-210-4105-02, dated 3/1/18, Series 8500 Vinyl Tilt Single Hung Window tested to AAMA/WDMA/CSA 101/I.S.2/A440-08 and 11, Class R-PG35, 53.125" x 63" (Nominal 52 x 63).
  - PTC PDG Drawing No. RWD0015, first issue, dated 12/11/19, signed and sealed by Robert. J. Amoruso, Renaissance Windows and Doors, Series 8500 Single Hung Window, Installation Anchorage Details.
- Series 8500 Vinyl Single Hung Window – Twin
  - National Certified Testing Laboratory Report No. NCTL-210-4105-04, dated 3/16/18, Series 8500 Vinyl Twin Single Hung Window tested to AAMA/WDMA/CSA 101/I.S.2/A440-08 and 11, Class R-PG35, 96.5" x 72" (Nominal 97 x 72).
  - PTC PDG Drawing No. RWD0018, first issue, dated 12/11/19, signed and sealed by Robert. J. Amoruso, Renaissance Windows and Doors, Series 8500 Single Hung Window, Installation Anchorage Details.
- Series 8500 Vinyl Single Hung Window – Triple
  - National Certified Testing Laboratory Report No. NCTL-210-4105-02A, dated 3/16/18, Series 8500 Vinyl Triple Single Hung Window tested to AAMA/WDMA/CSA 101/I.S.2/A440-08 and 11, Class R-PG40, 108.75" x 72" (Nominal 109 x 72).
  - Gateway size testing based on National Certified Testing Laboratory Report No. NCTL-210-4105-02, dated 3/1/18, Series 8500 Vinyl Tilt Single Hung Window tested to AAMA/WDMA/CSA 101/I.S.2/A440-08 and 11.
  - PTC PDG Drawing No. RWD0018, first issue, dated 12/11/19, signed and sealed by Robert. J. Amoruso, Renaissance Windows and Doors, Series 8500 Single Hung Window, Installation Anchorage Details.

### **Engineering Analysis & Evaluation:**

- Series 8500 Vinyl Single Hung Window – Single
  - Anchorage engineering (Report No. 2542-Calc) in accordance with the current edition of the Florida Building Code for Series 8500 Vinyl Fixed Window signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752.
- Series 8500 Vinyl Single Hung Window – Twin & Triple
  - Anchorage to structural substrate has been verified by calculation (PTC PDG Calc. No. 2554, Rev. 0) prepared by Robert J. Amoruso, P.E. in accordance with the current edition of the Florida Building Code.

### **Performance Standards (used in testing):**

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



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## Limitations & Conditions of Use:

- The following product has not been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
  - Series 8500 Vinyl Single Hung Window - Single
  - Series 8500 Vinyl Single Hung Window - Twin
  - Series 8500 Vinyl Single Hung Window – Triple
- The following product will require an approved impact protective system when used in wind borne debris regions.
  - Series 8500 Vinyl Single Hung Window - Single
  - Series 8500 Vinyl Single Hung Window - Twin
  - Series 8500 Vinyl Single Hung Window – Triple
- 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.

## 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.

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

