Equivalency Evaluation Report

Product Manufacturer	Product Name, Model, Series and/or Description
Sunset Windows and Doors, LLC 910 Warehouse Road, Unit 110104 Orlando, FL 32803	Series V-750 Vinyl Impact Horizontal Sliding Window with 1-1/2" Sill Riser, Large Missile Impact - HVHZ

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

Compliance Method: Product Approval Rule 61G20-3.015(4)(d) – Equivalency of Standards

Product Testing, Materials and Certification:

- NCTL Test Report No. 210-4227-04, dated 3/4/22, signed and sealed by Douglas J. McDougall, PE No. 28392 on 3/14/22.
  - PRODUCT TYPE: OX or XO
  - SERIES/ MODEL: V-750 Horizontal Sliding window
  - TAS 201, 202 and 203 per 2020 FBC HVHZ Test Protocols
  - Certification by National Accreditation and Management Institute, Inc.
    - NAMI Notice of Product Certification No. NI0115611.01 (Kuraray America SG Interlayer)
    - NAMI Notice of Product Certification No. NI0115611 (Kuraray America Trosifol PVB)

- Intertek Test Report No. N2982.01-106-18, Dated 1/8/23, signed and sealed by Tanya A. Dolby, FL PE No. 93536 on 1/11/23; Lineal UPVC Plastics Testing.
  - Rate of Burning ASTM D635-14; Class CC1G155
  - Self-Ignition Temperature ASTM D1929-16; 860 deg. F > 650 deg. F
  - Average Smoke Density Rating ASTM D2843-16; 71.6 < 75
  - ASTM G155-13, Cycle 1, Accelerated Weathering for 4500 Hours
  - Tensile Strength Difference: Exposed & Unexposed ASTM D638-03 +0.6 % < 10%, Exposed per Section 2615 of The Florida Building Code.

Performance Testing:

- TAS 201, 202 and 203 per 2020 FBC HVHZ Test Protocols
- ASTM D635-14
- ASTM D1929-16
- ASTM D2843-16
- ASTM D638-03
- ASTM G155-13

Equivalency Evaluation of AAMA/ASTM Performance Testing:

- Testing conducted to ASTM standards listed above have been reviewed against the current requirements of the Florida Building Code including the 8th Edition (2023) FBC and found to be in conformance with the following 2023 FBC Standards.
  - ASTM D635-14
  - ASTM D1929-16
  - ASTM D2843-16
  - ASTM D638-03
  - ASTM G155-13

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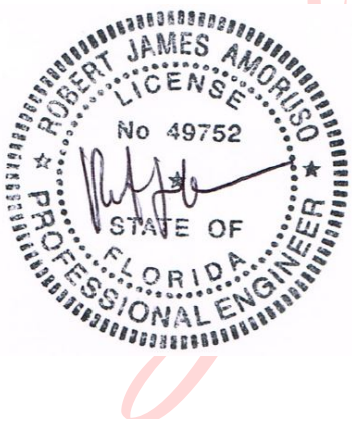
Equivalency Evaluation of TAS 201, TAS 202 and TAS 203 Performance Testing:

- Testing conducted to TAS 201, TAS 202 and TAS 203 have been reviewed against the current requirements of the Florida Building Code including the 8th Edition (2023) FBC and found to be in conformance.

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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Date: 2023.11.30 19:50:26 -05'00'

Evaluated by:
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