Equivalency Evaluation Report

Product Manufacturer	Product Name, Model and/or Description
Shwinco Architectural Products, LLC 171 Jet Services Way Dothan, AL 36303	Series 9500 Vinyl Awning Window – LMI 6500 Security Series Vinyl Awning Window

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

Compliance Methods: Product Approval Rule 61G20-3.015(5)(d) – Equivalency of Standards

- Series 9500 Vinyl Awning Window
  - Test Report No. J0530.04-550-18 by Intertek, Lithia Springs, GA, signed and sealed by Vinu J. Abraham, Florida P.E. to TAS 201-94, TAS 202-94 and TAS 203-94
  - Test Report No. J0530.07-550-18 by Intertek, Lithia Springs, GA, signed and sealed by Vinu J. Abraham, Florida P.E to AAMA/WDMA/CSA 101/I.S.2/A440-11 & 17 and ASTM E1886/E1996
  - Test Report No. NCTL-210-4199-4 by NCTL, Orlando, FL, signed and sealed by Douglas J. McDougall, Florida P.E. to TAS 201-94, TAS-202-94 and TAS 203-94.
  - Test Report No. NCTL-210-4199-4A by NCTL, Orlando, FL, to AAMA/WDMA/CSA 101/I.S.2/A440-17 & 11 and ASTM E1886-05/ASTM E1996-05/09.
  - PTC Product Design Group Drawing No. SHW0001, Rev. B, dated 6/19/23, signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752

- 6500 Security Series Vinyl Awning Window
  - Test Report No. NCTL-210-4214-3 by NCTL for ASTM E2395-18.
  - Test Report No. NCTL-210-4199-4A by NCTL for AAMA/WDMA/CSA 101/I.S.2/A440-11 & 17.
  - Test Report No. J0530.07-550-18 by Intertek, Lithia Springs, GA, to AAMA/WDMA/CSA 101/I.S.2/A440-11 & 17
  - PTC Product Design Group Drawing No. SHW0006, Rev. A, dated 6/19/23, signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752

Performance Standards (used in testing):

- TAS201-94
- TAS202-94
- TAS203-94
- AAMA/WDMA/CSA 101/I.S.2/A440-11 & 17
- ASTM E1886-05
- ASTM E1996-05/09
- ASTM E2395-18

Equivalency Evaluation:

The Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code – Building and Residential require the following revision levels for the product testing standards listed above.

- TAS201-94
- TAS202-94
- TAS203-94
- AAMA/WDMA/CSA 101/I.S.2/A440-11 & 17
- ASTM E1886-13a
- ASTM E1996-17

- ASTM E2395 and ASTM F588 are not referenced in the FBC or FRC.

The above code-referenced performance standards were reviewed against the revision level of the standards employed in testing and found to be equivalent. Therefore, all testing is in conformance with the Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code – Building and Residential Volumes and HVHZ TAS 201, TAS 202 and TAS 203 Test Protocols.

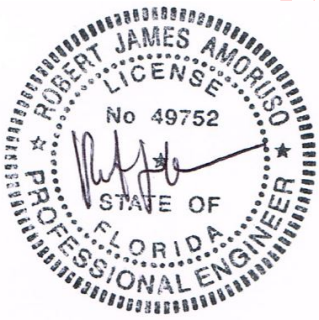
ASTM E2395 is not referenced in the FBC or FRC. ASTM E2395 is a non-mandatory test standard for security performance of window and door assemblies with impact glazing.

ASTM F588 is not referenced in the FBC or FRC. It was used in conjunction with ASTM E2395 testing.

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.



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Date: 2023.11.21 15:39:13 -05'00'

Evaluated by:
Robert J. Amoruso, P.E.
FL PE License No. 49752