



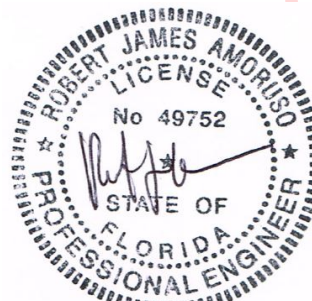
Equivalency Evaluation Report

Date:	July 30, 2023
Report #:	2066-EER
Report Revision No.:	3
Project #:	423-0209
Product Mfg.:	Simpson Door Company 400 W. Simpson Ave McCleary, WA 98557
Product Description:	Impact Series 7001 Inswing Style Fixed Glazed Wood Door
Product Category:	Exterior Doors
Product Sub-Category:	Swinging Exterior Door Assemblies
Compliance Method:	Product Approval Rule 61G20-3.015(4)(d) – Equivalence of Standards
Prepared By:	Robert J. Amoruso, P.E. Florida P.E. No. 49752 PTC Product Design Group, LLC, PO Box 520775, Longwood, FL 32752-0775 Florida C of A No. 25935

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PTC Product Design Group, LLC and Robert J. Amoruso, P.E. do not have, nor will acquire, any financial interest in the company manufacturing or distributing product(s) covered by this Product Evaluation Report.

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by Robert J
Amoruso
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Evaluated by:
Robert J. Amoruso, P.E.
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SCOPE

To perform an equivalency of standards evaluation for Simpson Door Company Impact Series 7001 Inswing Style Fixed Glazed Wood Door for conformance to the Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code excluding the High Velocity Hurricane Zone (HVHZ).

PERFORMANCE AND TESTING STANDARDS

Reference 2 conducted testing to the following standard. See testing standard equivalency evaluation (Ref. 5)

1. ASTM E330-02, Standard Test Method for Structural Performance of Exterior windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.
2. ASTM E547-00 Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference
3. ASTM E283-04, Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen
4. ASTM E1886-04, Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by missile(s) and Exposed to Cyclic Pressure Differentials
5. ASTM E1996-03, Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes

EQUIVALENCY EVALUATION

The following table shows the performance standards used in testing and those in the current edition of the FBC.

Standard Used in Testing		Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code		Comments
Description	Revision Level	Building Volume (FBC)	Residential Volume (FRC)	
ASTM E330	02	14	14	See Evaluation Below
ASTM E283	04	04(2012)	04 (2012)	
ASTM E547	00	n/a	n/a	
ASTM E1886	04	13a	13a	
ASTM E1996	03	14a	14a	



ASTM E1996 TESTING EVALUATION:

- 1) Wind Zone 4 testing
 - a. ASTM E1996-14 moved Wind Zone 4 criteria to the non-mandatory appendix. As indicated in Appendix X4.1, ASTM E1996-14a, the Wind Zone 4 requirement, though non-mandatory, is still present and may be specified when needed to meet specific building codes requirements. Those requirements are detailed in Sections 1609.1.2.2, 1609.1.2.4 and 1609.3 of the Florida Building Code. Based on a review of the test reports, those parameters are met.
- 2) The Missile Level and Impact Speed used in testing are consistent with those currently required by the Florida Building Code and ASTM E1996.
- 3) The static load (ASTM E330) and cyclic load (ASTM E1886/E1996) parameters used in testing are consistent with those currently required by the Florida Building Code.

PERFORMANCE TEST STANDARDS EQUIVALENCY EVALUATION: AAMA and/or ASTM's Listed Above:

Based on review of performance standards used in testing and comparing them to the current revision levels in the 8th Edition (2023) Florida Building Code, it has been concluded:

- that no material or substantive revisions or changes to theses referenced standards have occurred (where applicable) that affect the results of design, testing or engineering of the approved product(s), and
- that the performance standard revision levels listed above represented in the 8th Edition (2023) Florida Building Code are met.

SUPPORTING DOCUMENTS

1. Test Reports by Construction Consulting Laboratory, International
 - a. CCLI-05-128, dated September 19, 2005
 - b. CCLI-07-136, dated July 23, 2007