

Equivalency Evaluation Report

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Product Manufacturer

Simpson Door Company
400 W. Simpson Ave
McCleary, WA 98557

Product Name, Model and/or Description

SERIES 7901 INSWING AND OUTSWING GLAZED WOOD DOOR

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 Name, Model and/or Designation - Test Report No. - Installation Drawing No.: Products covered by this evaluation include the following.

- Installation Drawing No. SIMP0013, Original Issue, dated 7/10/17, *Series 7901 Inswing and Outswing Glazed Wood Door, Installation Anchorage Details*, Signed and Sealed by Robert J. Amoruso, P.E.
 - Test Report No. CCLI-16-003, Dated 6/8/17, SIMPSON DOOR SERIES 7901 IN-SWING / OUT-SWING Glazed Wood Door – tested to the following standards:
 - ASTM E330-02
 - ASTM E283-04
 - ASTM E547-00
 - ASTM E1886-05
 - ASTM E1996-09
 - Test Report No. CCLI-16-004, Dated 6/8/17, SIMPSON DOOR SERIES 7901 IN-SWING / OUT-SWING Opaque Wood Door – tested to the following standards:
 - ASTM E330-02
 - ASTM E283-04
 - ASTM E547-00
 - ASTM E1886-05
 - ASTM E1996-09
- NAMI Certifications
 - To Test Report No. CCLI-16-003, Fully Glazed
 - NI013312, Series 7901 Wood Inswing Side-Hinged Door, 55 psf Design Pressure with 0 psf water test pressure.
 - NI013312.01, Series 7901 Wood Outswing Side-Hinged Door, 55 psf Design Pressure with 2.86 psf water test pressure.
 - To Test Report No. CCLI-16-004, Opaque
 - NI013312.02, Series 7901 Wood Panel Inswing Side-Hinged Door, 55 psf Design Pressure with 0 psf water test pressure.
 - NI013312.03, Series 7901 Wood Panel Outswing Side-Hinged Door, 55 psf Design Pressure with 0 psf water test pressure.



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Equivalency Evaluation per Product Approval Rule 61G20-3.015(4)(d):

Performance Testing

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	05	13a	13a	
ASTM E1996	09	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.

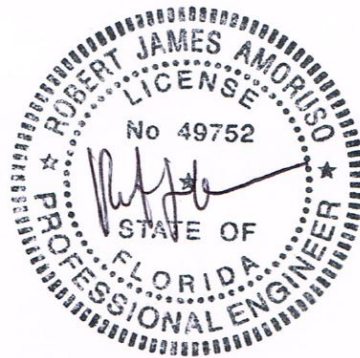


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Certificate of Independence per Product Approval Rule 61G20-3.009

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

