



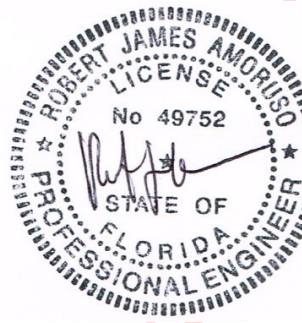
Product Evaluation Report

Date:	July 30, 2023
Report #:	1840-PER
Report Revision No.:	5
Project #:	423-0209
Product Mfg.:	Simpson Door Company 400 W. Simpson Ave McCleary, WA 98557
Product Description:	Series "Dowel" and Series "Mortise and Tenon" Wood French Door
Product Category:	Exterior Doors
Product Sub-Category:	Swinging Exterior Door Assemblies
Compliance Method:	Product Approval Rule 61G20-3.005(1)(a) – Certification Mark or Listing
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

CERTIFICATE OF INDEPENDENCE

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.

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.



Digitally signed
by Robert J
Amoruso
Date:
2023.09.05
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Evaluated by:
Robert J. Amoruso, P.E.
Florida PE License No. 49752



SCOPE

Evaluate Simpson Door Company Series “Dowel” and Series “Mortise and Tenon” Wood French Door - Non-Impact 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).

The engineering analysis (Reference 3) determines the anchorage of the product to the supporting substrate and the product evaluation report (this document) summarizes Current Edition FBC compliance verification and appropriate Limitations and Conditions of Use.

DESCRIPTION OF PRODUCT – INSTALLATION REQUIREMENTS

See Reference 1 for a description of the product, its installation and other pertinent data related to its approved use.

CODE CONFORMANCE

This product is designed to comply with the Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code excluding the High Velocity Hurricane Zone (HVHZ).

LIMITATIONS AND CONDITIONS OF USE

This product evaluation report contains or refers to specifications, technical details and installation details and/or methods that pertain to the proper use and/or installation of the product specified herein. Specific limitations and conditions of its use including but not limited to the following are contained in Reference 1 and are the subject of Product Approval in accordance with the State of Florida Product Approval Rule 61G20-3.

- Design Pressure Rating (psf)
- Installation substrate requirements.
- Installation anchor requirements.
- Installation restrictions.
- Product description.
- Product components.

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, Curtain Walls, and Doors 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 Leakage through Exterior Windows, Curtain Walls and Doors under Specified Pressure Differences across the Specimen*

SUPPORTING DOCUMENTS

1. Drawings:
 - a. SIMP1060, Revision B, dated April 14, 2015, signed and sealed by Robert J. Amoruso, Simpson Door Company Glazed & Opaque I.S. and O.S. Exterior Wood Doors – Installation Anchorage Details.
 - b. SIMP1062, Revision B, dated April 14, 2015, signed and sealed by Robert J. Amoruso, Simpson Door Company Glazed & Opaque I.S. and O.S. Exterior Wood Doors with Sidelights – Installation Anchorage Details.
2. Test Reports by Construction Consulting Laboratory, International
 - a. CCLI-10-115, dated October 6, 2010, Series “Dowel” and Series “Mortise and Tenon” Wood Entry Doors (SIMP1060)
 - b. CCLI-10-162, dated August 10, 2010, Series “Dowel” and Series “Mortise and Tenon” Wood Entry Doors (SIMP1062)
3. Calculations
 - a. PTC Report No. 1741, *50 PSF Double Door with surface bolts, Anchorage Engineering*, dated 4/14/15, signed and sealed by Robert J. Amoruso.
 - b. PTC Report No. 1742, *35 PSF Double Door with w/o surface bolts, Anchorage Engineering*, dated 4/14/15, signed and sealed by Robert J. Amoruso.
 - c. PTC Report No. 1743, *40 PSF Double Door with multipoint lock, Anchorage Engineering*, dated 4/14/15, signed and sealed by Robert J. Amoruso.
 - d. PTC Report No. 1744, *35 PSF Single Door with w/o surface bolts, Anchorage Engineering*, dated 4/14/15, signed and sealed by Robert J. Amoruso.
 - e. PTC Report No. 1745, *40 PSF Single Door with multipoint lock, Anchorage Engineering*, dated 4/14/15, signed and sealed by Robert J. Amoruso.
 - f. PTC Report No. 1746, *50 PSF Single Door with surface bolts, Anchorage Engineering*, dated 4/14/15, signed and sealed by Robert J. Amoruso.
 - g. PTC Report No. 1748, *50 PSF Single Door, Anchorage Engineering*, dated 4/14/15, signed and sealed by Robert J. Amoruso.
 - h. PTC Report No. 1749, *50 PSF Single Door with Sidelights, Anchorage Engineering*, dated 4/14/15, signed and sealed by Robert J. Amoruso.