

Product Evaluation Report

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Product Manufacturer

Simpson Door Company
400 Simpson Ave.
McCleary, WA 98557

Product Name, Model and/or Description

Mahogany Thoro-Hung Westar Glazed Double Outswing Door - Impact Rated (SIMP0017)
Impact 10ft. Glazed Wood Entry Door (SIMP0018)
Impact 10ft. Opaque Wood Entry Door (SIMP0019)
Hemlock Fir I/S Door W/ & W/O Sidelites & Transom (SIMP0020)
Mahogany Inswing Door W/ & W/O Sidelites & Transom (SIMP0021)
Mahogany Opaque Single Outswing Door w/Sidelites & Transom (SIMP0022)
Hemlock/Fir Opaque Single Outswing Door w/Sidelites & Transom (SIMP0022)
Hemlock/Fir Glazed Double Inswing Door w/Sidelites (True Divided Lites) (SIMP0023)
Hemlock/Fir Glazed Double Outswing Door w/Sidelites (True Divided Lites) (SIMP0024)
High Impact Wood Inswing Doors with/without Sidelites & Transoms (SIMP0026)
High Impact Wood Outswing Doors with/without Sidelites & Transoms (SIMP0027)

Code: Current Edition of the Florida Building Code including the 7th Edition (2020) Florida Building Code

Compliance Method: Product Approval Rule 61G20-3.005(1)(d) – Product Evaluation Report by a Licensed Professional Engineer

Product Installation Drawings: By PTC Product Design Group, LLC.

- Drawing No. SIMP0017, Mahogany Thoro Hung Westar Glazed Double Outswing Door - Impact Rated – Installation Details, signed and sealed by Robert J. Amoruso, P.E. , FL License No. 49752.
- Drawing No. SIMP0018, Impact 10ft. Glazed Wood Entry Door – Installation Details, signed and sealed by Robert J. Amoruso, P.E. , FL License No. 49752.
- Drawing No. SIMP0019, Impact 10ft. Opaque Wood Entry Door – Installation Details, signed and sealed by Robert J. Amoruso, P.E. , FL License No. 49752.
- Drawing No. SIMP0020, Hemlock Fir I/S Door W/ & W/O Sidelites & Transom – Installation Details, signed and sealed by Robert J. Amoruso, P.E. , FL License No. 49752.
- Drawing No. SIMP0021, Mahogany Inswing Door W/ & W/O Sidelites & Transom – Installation Details, signed and sealed by Robert J. Amoruso, P.E. , FL License No. 49752.
- Drawing No. SIMP0022, Mahogany Opaque Single Outswing Door w/Sidelites & Transom & Hemlock/Fir Opaque Single Outswing Door w/Sidelites & Transom – Installation Details, signed and sealed by Robert J. Amoruso, P.E. , FL License No. 49752.
- Drawing No. SIMP0023, Hemlock/Fir Glazed Double Inswing Door w/Sidelites (True Divided Lites) – Installation Details, signed and sealed by Robert J. Amoruso, P.E., FL License No. 49752.
- Drawing No. SIMP0024, Hemlock/Fir Glazed Double Outswing Door w/Sidelites (True Divided Lites) – Installation Details, signed and sealed by Robert J. Amoruso, P.E., FL License No. 49752.
- Drawing No. SIMP0026, Simpson Door Co., High Impact Wood Inswing Doors with/without Sidelites and Transoms – Installation Anchorage Details, signed and sealed by Robert J. Amoruso, P.E., FL License No. 49752.
- Drawing No. SIMP0027, Simpson Door Co., High Impact Wood Outswing Doors with/without Sidelites and Transoms – Installation Anchorage Details, signed and sealed by Robert J. Amoruso, P.E., FL License No. 49752.

Engineering Analysis & Evaluation:

- PTC Anchorage Engineering Reports – reviewed for current edition of Florida Building Code.
 - Report No. 833, signed and sealed by Douglas J. McDougall, P.E.
 - Report No. 1011, 1016, 1022, 1023, 1034, and 1044, signed and sealed by Paul E. Winter, P.E.
 - Report No. 2401, Rev. 1, Installation anchorage details for Simpson Door Co., Series “High Impact” Wood Doors with/without Sidelites, signed and sealed by Robert J. Amoruso, P.E., FL License No. 49752



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- PTC Report No. 2714-EER, Simpson Door Company, *Equivalency of Standards Evaluation Report*, dated 6/18/21, signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752

Product Performance Testing: By National Certified Testing Laboratories.

- SIMP0017
 - NCTL-210-4190-8, dated 09/03/20 to the following test procedures.
 - ASTM E-283-91
 - ASTM E-330-90
 - ASTM E-331-93
 - ASTM E-1886-02
 - ASTM E-1996-02
- SIMP0018 & SIMP0019
 - NCTL-210-4190-11, dated 09/03/20 to the following test procedures.
 - TAS 201-1994
 - TAS 202-1994
 - TAS 203-1994
 - NCTL-210-4190-12, dated 09/03/20 to the following test procedures.
 - ASTM E-283-91
 - ASTM E-330-02
 - ASTM E-331-00
 - ASTM E-1886-02
 - ASTM E-1996-02
 - NCTL-210-4190-13, dated 09/03/20 to the following test procedures.
 - ASTM E-283-91
 - ASTM E-330-02
 - ASTM E-331-00
 - ASTM E-1886-02
 - ASTM E-1996-02
 - NCTL-210-4190-14, dated 09/03/20 to the following test procedures.
 - ASTM E-283-91
 - ASTM E-330-02
 - ASTM E-331-00
 - ASTM E-1886-02
 - ASTM E-1996-02
 - NCTL-210-4190-15, dated 09/03/20 to the following test procedures.
 - ASTM E-283-91
 - ASTM E-330-02
 - ASTM E-331-00
 - ASTM E-1886-02
 - ASTM E-1996-02
 - NCTL-210-3260-3, dated 02/19/07 to the following test procedures.
 - ASTM E-283-91
 - ASTM E-330-02
 - ASTM E-331-00
 - ASTM E-1886-02
 - ASTM E-1996-02
- SIMP0020
 - NCTL-210-3029-2, dated 09/03/20 to the following test procedures.
 - ANSI/AAMA/NWWDA 101/I.S.2-97
- SIMP0021



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- NCTL-210-3029-1, dated 09/03/20 to the following test procedures.
 - ASTM E-283-91
 - ASTM E-330-90
 - ASTM E-331-93
- SIMP0022
 - NCTL-210-4190-3, dated 09/03/20 to the following test procedures.
 - ANSI/AAMA/NWWDA 101/I.S.2-97
 - NCTL-210-4190-4, dated 09/03/20 to the following test procedures.
 - ANSI/AAMA/NWWDA 101/I.S.2-97
- SIMP0023
 - NCTL-210-4190-6, dated 09/03/20 to the following test procedures.
 - ASTM E-283-91
 - ASTM E-330-90
 - ASTM E-331-93
- SIMP0024
 - NCTL-210-4190-5, dated 09/03/20 to the following test procedures.
 - ASTM E-283-91
 - ASTM E-330-90
 - ASTM E-331-93
- SIMP0026 & SIMP0027
 - NCTL-210-4190-16, dated 09/03/20 to the following test procedures.
 - ASTM E283-04
 - ASTM E330-02(10)
 - ASTM E331-00(09)
 - ASTM E547-00
 - ASTM E1886-05/09
 - ASTM E1996-06/09

Limitations & Conditions of Use:

- This product has not been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
- Refer to Product Installation Instructions noted above for:
 - Maximum allowable wind loads at related maximum allowable size(s).
 - Overall dimensions and material/grade of main product components, accessories, etc.
 - Illustrated diagrams of the attachment of the product to substrate structure.
 - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.
- Site wind pressures shall be determined by a licensed professional engineer in accordance with the current edition of the Florida Building Code (and/or ASCE 7 as referenced in the current edition of the Florida Building Code) for components and cladding based on allowable stress design.
- Site conditions not covered in this product evaluation document are subject to additional engineering analysis by a licensed professional engineer or registered architect as required by the authority having jurisdiction.
- Adequacy of the existing structural substrates as a main wind force resisting system capable of withstanding and transferring applied product loads to the foundation is the responsibility of the licensed professional engineer or registered architect acting as the design professional of record for the project of installation.



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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.

Evaluated By:
Robert J. Amoruso, P.E.
FL P.E. License Number 49752

