

W. W. Schaefer Engineering & Consulting, P.A. (CA #6809)

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ENGINEER'S EVALUATION REPORT #WWS-276

Prepared for:

Pella Corporation
102 Main Street
Pella, IA 50219
Phone: 641-621-1000

Prepared by:

Warren W. Schaefer, P.E.
Florida Professional Engineer #44135

Manufacturer: Pella Corporation

Product Category: Doors

Evaluation Method: 1-D (Engineer's evaluation)

Product model & name: Pella Architect Aluminum Clad Wood Out-swing Doors

Documents that must accompany this report:

W. W. Schaefer Engineering & Consulting drawing No. 1729

Door size restrictions and assembly requirements:

See drawing NO. 1729

Maximum allowable design pressure:

See drawing No. 1729

Installation requirements:

See drawing No. 1729

Code compliance:

Code section(s) considered with this evaluation:

Chapters 17 & 24 of the FBC

Glass:

All glass meets the current ASTM E1300 standard.

Mullions:

Mullion conditions stated in this approval have been tested in accordance with TAS-201, 202 & 203 and meet the requirements of FBC.

Wood Coatings:

All wood members shall be of an approved durable species or be treated in an approved method with an approved preservative per applicable codes and standards

Test Standards applicable to the testing of these doors:
TAS-201, 202 & 203

Test Laboratory: Architectural Testing, Inc.

Test report numbers: Stork Twin City Testing (now known as Element) No. TCT003842P;
Element No.'s ESP033751P.1, ESP033751P.2, ESP033751P.6 & ESP033751P.10.

Note: All HVHZ test reports have been signed & sealed by a Florida PE.

General report notes & system limitations:

1. All size & installation conditions shown in this report and the referenced drawing No. 1729 are based off the referenced test reports and/or engineering analysis in accordance with the Florida Building Code.
2. Doors shall be constructed in accordance with the descriptions in this report, and the manufacturer's state approved quality assurance entity specifications.
3. This product is approved for use in & outside of the High Velocity Hurricane Zones (HVHZ).
4. Job required design wind pressure shall be calculated in accordance with the Florida Building Code Chapter 16 and ASCE 7 Minimum Design Loads for Buildings and Other Structures (0.85 directionality factor may apply per the current ASCE 7 standard).
5. These doors are both small & large missile impact rated for use in wind zone 4 & missile level "D" locations and need not be shuttered.

Quality Assurance Entity: Window & Door Manufacturers Association (WDMA)

JUN 04 2021

Warren W. Schaefer, P.E.
Florida P.E. #44135

