

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

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ENGINEER'S EVALUATION REPORT #WWS-300

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: Windows

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

Product model & name: Aluminum Clad Wood Direct Set Impact Window

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1287

Window size restrictions and assembly requirements:

See drawing No. 1287

Maximum allowable design pressure:

See drawing No. 1287

Installation requirements:

See drawing No. 1287

Code compliance:

Code section(s) considered with this evaluation:

FBC Chapters 17 & 24

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

Glass:

All glass meets the current ASTM E1300 standard.

Test Standards applicable to the testing of these windows:

TAS-201, 202 & 203

Test Laboratory: Architectural Testing, Inc. (ATI), Element Material Technology and Stork Twin City Testing Corporation. Note that Element Materials Technology was previously Stork Twin City Testing Corporation.

Test report numbers: ATI No. 97274.01-201-18, 97275.01-201-18 & 97276.01-201-18; Element No. TCT008189P.rev, ESP022230P.1, ESP037716P.1 & ESP037716P.2; Stork No. 180-6691

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. 1287 are based off the referenced test reports and/or engineering analysis in accordance with the Florida Building Code.
2. Windows 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 windows are both small & large missile impact rated for use in wind zone 4 & missile level "D" locations and need not be shuttered.
6. When applicable, all safety glass requirements must be met per FBC chapter 24.

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

JUL 18 2022

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

