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

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Palm Beach Gardens, FL 33418
Phone (561)744-3424

ENGINEER'S EVALUATION REPORT #WWS-353

Prepared for:
Peerless Products, Inc.
2403 South Main
Ft. Scott, KS 66701
Phone: 866-420-4000

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

Manufacturer: Peerless Products, Inc.

Product Category: Windows

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

Product model & name: G600 Aluminum Fixed Impact Windows

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1964

Window size & configuration restrictions and assembly requirements:
See drawing No. 1964 for size & configuration restrictions. Unless noted otherwise, window assembly is the full responsibility of each the manufacturer and their applicable quality assurance and shall be quality assured in accordance with the here-in referenced test reports.

Maximum allowable design pressure:
See drawing No. 1964

Installation requirements:
See drawing No. 1964

Code compliance:

Code section(s) considered with this evaluation:
FBC Chapters 17, 24 & 26

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, AAMA A440, AAMA 450, ASTM E1886 & ASTM E1996 and meet the requirements of FBC.

Test Standards applicable to the testing of these windows:
TAS-201, 202 & 203, AAMA A440, AAMA 450, ASTM E1886 & ASTM E1996

Test Laboratory: Construction Consulting Laboratory (CCL) & Intertek

Test report numbers: Intertek No. K1783.01-450-18 RO & CCL No. 19-147
Note: All HVHZ test reports have been signed & sealed by a Florida PE.

Compliance statement:
This product & its installations have been evaluated as required by the applicable Florida product approval rule and the Florida Building Code (FBC) and are found to be in compliance with each the rule, the Florida Building Code & all code required standards referenced here-in.

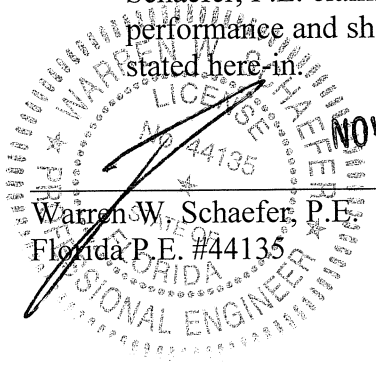
General report notes & system limitations:

1. All size, configuration & installation conditions shown in this report and the referenced drawing No. 1964 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. Dry glazing gaskets are in accordance with ASTM C864, ASTM C509, ASTM C1115 or ASTM E2203 per FBC.
7. Debridging/thermal breaks are in accordance with ASTM G26, D638, D2843, D635 & D1929 per FBC.
8. When applicable, all safety glass requirements must be met per FBC.
9. Any change to this product's components and/or assembly without the knowledge & consent of W. W. Schaefer Engineering & Consulting, P.A. and Warren W. Schaefer, P.E. shall void this evaluation/certification and thus the products Florida approval.

Quality Assurance Entity: American Architectural Manufacturers Association (AAMA)

Disclaimers:

1. The parts, components, assembly & performance of this product, and liability there-of are the sole responsibility of the manufacturer and their quality assurance and shall be as tested unless stated otherwise in this evaluation report or the uploaded approval drawing No. 1964. Neither W. W. Schaefer Engineering & Consulting, P.A. nor Warren W. Schaefer, P.E. claim any responsibility for said parts, components, assembly or performance and shall be deemed responsible only for the evaluation of the product as stated here-in.



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