

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

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ENGINEER'S EVALUATION REPORT #WWS-282

Prepared for:

Kawneer Company, Inc.
555 Guthridge Court
Norcross, GA 30092
Phone: 770-449-5555

Prepared by:

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

Manufacturer: Kawneer Company, Inc.

Product Category: Sliding doors

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

Product model & name: HPX Large Missile Impact Sliding Glass Doors

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1692

Door size restrictions and assembly requirements:

See drawing No. 1692

Maximum allowable design pressure:

See drawing No. 1692

Installation requirements:

See drawing No. 1692

Code compliance:

Code section(s) considered with this evaluation:

FBC Chapters 17 & 24

Glass:

All glass meets the current ASTM E1300 standard.

Test Standards applicable to the testing of these doors:

TAS-201, 202 & 203

Test Laboratory: Architectural Testing, Inc. (Previously named Hurricane Test Laboratory, Inc.) & American Test Lab, Inc.

Test report numbers: ATLNC 1021.01-03 & HTL 0049-0111-09. 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. 1692 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.
6. When applicable, all safety glass requirements must be met per FBC chapter 24.

Quality Assurance Entity: Architectural Testing Inc. (ATI)

AUG 15 2017

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