

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

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Palm Beach Gardens, FL 33418
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ENGINEER'S EVALUATION REPORT #WWS-279

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 Small Missile Impact Sliding Glass Doors

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1469

Door size restrictions and assembly requirements:

See drawing No. 1469

Maximum allowable design pressure:

See drawing No. 1469

Installation requirements:

See drawing No. 1469

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.)

Test report numbers: 0049-0111-09 & 0049-0822-05. 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. 1469 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 small missile impact rated and may not be installed at elevations below 30 ft. above grade or at any code designated large missile impact location without an approved shutter.
6. Dry glazing gaskets are in accordance with ASTM C864 per FBC chapter 24.
7. 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