

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-311

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: Swing Doors

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

Product model & name: 350/500 IR 8 ft. Tall Dry Glazed Out-Swing Aluminum Storefront LMI Doors

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1695

Door size restrictions and assembly requirements:

See drawing No. 1695

Maximum allowable design pressure:

See drawing No. 1695

Installation requirements:

See drawing No. 1695

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 this door system:

TAS-201, 202 & 203, ASTM E330, ASTM E1886, ASTM E1996, ASTM E283, ASTM E331 & AAMA 1304

Test Laboratory: Intertek Architectural Testing, Inc. (Previously named Hurricane Test Laboratory, Inc.)

Test report numbers:

D3741.01-550-18, D3741.02-550-18, D3741.03-550-18, D3741.04-550-18, D3741.05-550-18, D3741.08-550-18, D3741.09-550-18, G049-0805-10, G049-0804-10, G049-0201-09, G049-0310-08, G049-1005-06, G049-1201-05, G049-0111-06, L2619.02-550-18 R0 & L2619.01-550-18 R0

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. 1695 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 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 or ASTM C509 per FBC chapter 24.
7. See water resistance limitation as noted on drawing 1695 sheet 1.

Quality Assurance Entity: Architectural Testing, Inc.

AUG 05 2021

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

