

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

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Phone (561)744-3424

ENGINEER'S EVALUATION REPORT #WWS-315

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: Doors

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

Product model & name: IR350/500 HW LMI Out-Swing Zone 4 Doors

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1821

Door size restrictions and assembly requirements:

See drawing No. 1821

Maximum allowable design pressure:

See drawing No. 1821

Installation requirements:

See drawing No. 1821

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, ASTM E1886, ASTM E1996 & ASTM E330

Test Laboratory: Architectural Testing, Inc. (ATI) & Intertek

Test report numbers: ATI reports B3877.01-550-18 & B5564.01-550-18; Intertek reports I7023.01-550-18 R0 & I7023.01-550-18 R1.

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. 1821 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" & "E" locations and need not be shuttered. See drawing 1821 for missile level requirements.
6. Dry glazing gaskets are in accordance with ASTM C864 per FBC chapter 24.
7. All safety glass requirements must be met per FBC chapter 24.
8. These door units are not approved for use where water infiltration resistance is required by the door. Unless units are installed in non-habitable areas where the unit & the area are designed to accept water infiltration, units shall be installed only at locations protected by a canopy or overhang where-by the overhang(oh) ratio is equal to or more than 1.0 per FBC.

Quality Assurance Entity: Architectural Testing, Inc.

JUL 12 2022

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

