

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

7480 150th Court North
Palm Beach Gardens, FL 33418
Phone (561)744-3424

ENGINEER'S EVALUATION REPORT #WWS-215

Prepared for:

Kawneer Company, Inc.
555 Guthridge Court
Norcross, GA 30092-3503
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 Wind Zone 3 LMI Out-swing Doors

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1822

Door size restrictions and assembly requirements:

See drawing No. 1822

Maximum allowable design pressure:

See drawing No. 1822

Installation requirements:

See drawing No. 1822

Code compliance:

Code section(s) considered with this evaluation:

FBC Chapter 17

Test Standards applicable to the testing of these doors:

ASTM E330, ASTM E1886, ASTM E1996 & AAMA 1304

Test Laboratory: Architectural Testing, Inc. (ATI)

Test report numbers: B3880.01-550-18 & B3877.01-550-18

General report notes & system limitations:

1. All size & installation conditions shown in this report and the referenced drawing No. 1822 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 for non-HVHZ (Not approved for use in 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 3 & missile level "D" locations and need not be shuttered.
6. Glazing gaskets were tested in accordance with ASTM C864 per FBC section 2411.3.4.
7. This door system is not approved for use where water infiltration resistance is required by the door. Unless units are installed in non-habitable areas where the unit and 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: (ATI) Architectural Testing, Inc., York, PA

JAN 06 2015

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

