

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-254

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: 350/500-IR Standard Wind Zone 3 LMI Out-swing Doors

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1882

Door size restrictions and assembly requirements:

See drawing No. 1882

Maximum allowable design pressure:

See drawing No. 1882

Installation requirements:

See drawing No. 1882

Code compliance:

Code section(s) considered with this evaluation:

FBC Chapter 17

Test Standards applicable to the testing of these doors:

ASTM E330, ASTM E283, ASTM E331, ASTM E1886, ASTM E1996 & AAMA 1304

Test Laboratory: Architectural Testing, Inc. (ATI)

Glass:

All glass meets the current ASTM E1300 standard.

Test report numbers: D3741.01-550-18, D3741.02-550-18, D3741.03-550-18, D3741.04-550-18, D3741.05-550-18, D3741.06-550-18, D3741.07-550-18, D3741.08-550-18, D3741.09-550-18, L2619.01-550-18 RO & L2619.02-550-18 RO

General report notes & system limitations:

1. All size & installation conditions shown in this report and the referenced drawing No. 1882 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 non-HVHZ locations (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. Dry glazing gaskets are in accordance with ASTM C864, ASTM C509, ASTM C1115 or ASTM E2203 per FBC.
7. These door units are not approved for use where water infiltration resistance is required by the door except when all conditions stated in the "WATER RATING NOTE" on drawing 1882 sheet 1 are met.

Quality Assurance Entity: (ATI) Architectural Testing, Inc., York, PA

DEC 18 2020

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

