

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-270

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

Product Category: Doors

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

Product model & name: 350IR/350HW Entrance Swinging & Auto Showroom Bi-fold Doors

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1902

Door size restrictions and assembly requirements:

See drawing NO. 1902

Maximum allowable design pressure:

+/-70 psf

Installation requirements:

See drawing No. 1902

Code compliance:

Code section(s) considered with this evaluation:

Chapters 17 & 24 of the Florida Building Code

Glass:

All glass meets the current ASTM E1300 standard.

Test Standards applicable to the testing of these windows:

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

Test Laboratory: Architectural Testing, Inc./Intertek

Test report numbers: E4056.01-550-18 & E4056.02-550-18. Note that all TAS test reports are signed and sealed by a Florida PE.

General report notes & system limitations:

1. All size & installation conditions shown in this report and the referenced drawing No. 1902 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 have been tested to standards the same or equivalent to those referenced in ASTM E2203 or ASTM C864 & meet the requirements of FBC.
7. 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 chapter 17.

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

FEB 16 2016

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

