

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

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ENGINEER'S EVALUATION REPORT #WWS-210

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: Windows/Storefront

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

Product model & name: IR501T & IR501UT Storefront System (SMI Dry Glazed)

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1759

Window size restrictions and assembly requirements:

See drawing NO. 1759

Maximum allowable design pressure:

Varies with mullion/framing conditions. See drawing No. 1759 for design pressure requirements.

Installation requirements:

See drawing No. 1759

Code compliance:

Code section(s) considered with this evaluation:

FBC Chapters 17, 24 & 26

Mullions:

Mullion conditions stated in this approval have been tested in accordance with TAS-201, 202 & 203 and meet the requirements of FBC.

Test Standards applicable to the testing of these Storefronts:

TAS-201, 202 & 203, ASTM E-330, ASTM E-1886 & ASTM E1996

Note: Testing meets the requirements of AAMA-501

Test Laboratory: Architectural Testing, Inc. (Previously known as Hurricane Test Laboratory, Inc.)

Test report numbers: Architectural Testing numbers G049-0605-11, G049-0901-10 & B8875.01-550-18. & Intertek numbers K3725.03-550-18 R0 & K3725.04-550-18 R0.
Note that all HVHZ test reports have been 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. 1759 are based off the referenced test reports and/or engineering analysis in accordance with the Florida Building Code.
2. Storefront systems 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 storefront systems are small missile impact rated for use in wind zone 4 & missile level "D" locations and must be shuttered when required by code if in a large missile impact location.
6. Dry glazing gaskets are in accordance with ASTM C864 or ASTM C509 per FBC. See attached for glazing gasket information & data sheets.
7. When applicable, all safety glass requirements must be met per FBC.
8. Difference between IR501T & IR501UT: IR501T parts have just the outer cavity thermally poured and debridged. The IR501UT parts have both the inner & outer cavities thermally poured and debridged.

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

JUL 16 2020

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