

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-305

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: Storefront

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

Product model & name: IR501 LMI & SMI Aluminum Store Front System

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1461

Storefront size restrictions and assembly requirements:

See drawing No. 1461

Maximum allowable design pressure:

See drawing No. 1461

Installation requirements:

See drawing No. 1461

Code compliance:

Code section(s) & standards considered with this evaluation:

FBC Chapters 17 & 24 and AAMA 501.

Mullions:

Mullion conditions stated in this approval have been tested in accordance with TAS-201, 202 & 203, ASTM E330, ASTM E1886 & ASTM E1996 and meet the requirements of FBC & AAMA 450.

Glass:

All glass meets the current ASTM E1300 standard.

Test Standards applicable to the testing of this storefront system:

TAS-201, 202 & 203, ASTM E330, ASTM E331, ASTM E283, ASTM E1886, ASTM E1996 & AAMA 501

Test Laboratory: Intertek Architectural Testing, Inc. (Previously named Hurricane Test Laboratory, Inc.)

Test report numbers: G049-0201-08, G049-0303-07, G049-1201-05, G049-0111-06, G4449.02-550-18, G4449.03-550-18, G4449.04-550-18, K3725.01-550-18 R2 & K3725.02-550-18 R2. 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. 1461 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 large & small missile impact rated for use in wind zone 4 & missile level "D" locations and need not be shuttered.
6. Dry glazing gaskets are in accordance with ASTM C864 or ASTM C509 per FBC chapter 24.

Quality Assurance Entity: Architectural Testing, Inc.

JUL 15 2020

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

