

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-264

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

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

Product model & name: 8430TL Single Hung Window (LMI & SMI)

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1897

Window size restrictions and assembly requirements:

See drawing NO. 1897

Maximum allowable design pressure:

+/-90 psf

Installation requirements:

See drawing No. 1897

Code compliance:

Code chapter(s) considered with this evaluation:

Chapters 17 & 24 of the Florida Building Code

Glass:

All glass meets the current ASTM E1300 standard.

Mullions:

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

Test Standards applicable to the testing of these windows:

TAS-201, 202 & 203

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

Test report numbers: G049-0201-07, G049-1202-04 & G049-0503-05

General report notes & system limitations:

1. All size & installation conditions shown in this report and the referenced drawing No. 1897 are based off the referenced test reports and/or engineering analysis in accordance with the Florida Building Code.
2. Windows 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 windows are both small & 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 & meet the requirements of FBC.

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

JUN 03 2015

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

