

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

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ENGINEER'S EVALUATION REPORT #WWS-146

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

Product model & name: 8225TL (L.M.I. & S.M.I.) Project-Out Window

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1615

Window size restrictions and assembly requirements:

Maximum frame size = 65" x 41"
Overall window systems: See drawing No. 1615.

Maximum allowable design pressure:

+/-65 psf

Installation requirements:

See drawing NO. 1615

Code compliance:

Code section(s) considered with this evaluation:
FBC Chapter 17

Test Standards applicable to the testing of these windows:

TAS 201, TAS 202, TAS 203, ASTM E283, ASTM E330, ASTM E331, ASTM F588,
ASTM E1886 & ASTM E1996

Test Laboratory: Hurricane Test Laboratory, LLC

Test report numbers: G049-0503-08

General report notes & system limitations:

1. All size & installation conditions shown in this report and the referenced drawing No. 1615 are based off the referenced test reports and/or engineering analysis in accordance with the Florida Building Code.
2. Window 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 and 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).
5. These windows are both large & small missile impact rated for use in wind zone 4 & missile level "D" locations and need not be shuttered.

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

JAN 06 2015

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

