

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-135

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: Series 8400TL Aluminum Non-impact Double Hung Window

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1494

Window size restrictions and assembly requirements:

Single window: 60" x 99"

Multiple windows: See drawing No. 1494

Maximum allowable design pressure:

Single window: +/-50 psf with annealed I.G. glass option 1; +/-70 psf with tempered I.G. glass option 2

Multiple windows: +/-50 psf with annealed I.G. glass option 1; +/-70 psf with tempered I.G. glass option 2

Installation requirements:

See drawing NO. 1494

Code compliance:

Code section(s) considered with this evaluation:

FBC Chapter 17

Test Standards applicable to the testing of these windows:

AAMA/WDMA/CSA/101/I.S.2/A440

Test Laboratory: Hurricane Test Laboratory, LLC

Test report numbers: G049-0901-04

General report notes & system limitations:

1. All size & installation conditions shown in this report and the referenced drawing No. 1494 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 not approved for use in 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 non-impact rated and must be shuttered where required by code.

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

JUL 28 2020

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

