

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-320

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: Windows

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

Product model & name: FG623 Window Wall System (SMI)

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1581

Window size restrictions and assembly requirements:

See drawing No. 1581

Maximum allowable design pressure:

See drawing No. 1581

Installation requirements:

See drawing No. 1581

Code compliance:

Code section(s) considered with this evaluation:

FBC Chapters 17, 24 & 26

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 FBC.

Test Standards applicable to the testing of these windows:

TAS-201, 202 & 203 and AAMA 501

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

Test report numbers: Hurricane Test Lab report #0049-0807-01 & Architectural Testing report #9643.02-550-18. 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. 1581 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). These windows are small missile impact rated and may not be installed at elevations below 30 ft. above grade or at any code designated large missile impact location without an approved shutter.
5. Dry glazing gaskets are in accordance with ASTM C864 per FBC.
6. When applicable, all safety glass requirements must be met per FBC chapter 24.

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

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

JAN 10 2017

