

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

15211 97th Road N
West Palm Beach, FL 33412
Ph/Fx: (561) 225-1982

PRODUCT EVALUATION

PRODUCT: KAWNEER 1600 WALL CURTAINWALL SYSTEM - SYSTEM 1 (CAPTURED)
and SYSTEM 2 (SSG) - LARGE AND SMALL MISSILE (HVHZ)

MANUFACTURER: KAWNEER, INC.
555 GUTHRIDGE COURT
NORCROSS, GA 30092

To all concerned,

The Kawneer 1600 Wall System 1 (Captured) and System 2 (SSG) Curtainwall System has been tested per TAS 201, 202, and 203 by Hurricane Test Lab, Architectural Testing Inc, Intertek B&C, and Construction Research Lab, with results shown in the test reports listed on page 3 of this report. The testing listed is equivalent to AAMA 501-2015.

Technical Documentation:

1. Drawing "1600-IR-HVHZ", dated 12/16/24, signed and sealed by Scott Wolters, PE.
2. Test Reports listed on page 3, by Hurricane Test Lab, Architectural Testing Inc, and Intertek B&C, signed and sealed by Vinu J. Abraham, PE.
3. Test Reports listed on page 3, by Construction Research Lab, signed and sealed by Nari Balsara, PE.
4. Supplemental Calculations to support 1600-IR-HVHZ, signed and sealed by Scott Wolters, PE.

I have reviewed this submittal per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). Based on the limitations listed below and those provided in the documents above, this product meets all the requirements of the 8th Edition (2023) Florida Building Code generally, and chapters 16, 20, and 24 specifically, including the HVHZ provisions.

Limitations: This system has been tested and approved for use inside and outside the HVHZ. It is large and small missile impact resistance, and shutters are not required in windborne debris regions.

Maximum Design Pressures: Varies - See Mullion Charts on 1600-IR-HVHZ, Sheet 14-21.
Glass Charts on 1600-IR-HVHZ, Sheets 22-27.
Anchor Charts on 1600-IR-HVHZ, Sheets 28-38.

The lowest pressure applies to the entire system.

Glass: Design pressures for each glass type are based on the testing listed above and ASTM E1300-16. See 1600-IR-HVHZ, Sheets 22-27 for complete glass descriptions.

Glass Types 1, 5, 11, 13, 15, & 17:

The Saflex PVB Interlayer is manufactured by the Eastman Chemical Company, per NOA# 23-0713.18.

Glass Types 2, 6, 12, 14, 16, & 18:

The Butacite PVB Interlayer is manufactured by Kuraray America Inc, per NOA# 23-0717.28.

Glass Type 3 & 10:

The Saflex HP Interlayer is manufactured by the Eastman Chemical Company, per NOA# 23-0713.20.

Glass Types 4, 7, 7D, & 9:

The Sentryglas Interlayer is manufactured by Kuraray America Inc, per NOA# 23-0717.30.

Glass Type 8:

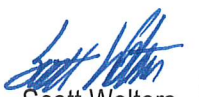
The Saflex CP Interlayer is manufactured by the Eastman Chemical Company, per NOA# 23-0713.21.

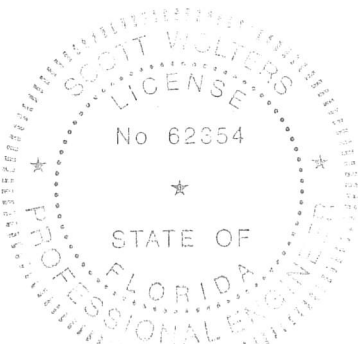
Mullions and Reinforcing: Please see the Mullion Charts on Sheets 14-21 of 1600-IR-HVHZ for allowable mullion heights, spacing, and pressures for mullions with and without reinforcing.

Anchors: Please see the Anchor Charts and Details on Sheets 28-38 of 1600-IR-HVHZ for the allowable anchors and Design Pressures at the head, sill, jambs, and mid-span anchors.

If you have any questions or need more information concerning this approval please contact me.

Thank you,


Scott Wolters
FL PE# 62354
DEC 18 2024



SPECIALIZING IN IMPACT RESISTANT CURTAINWALLS, STOREFRONTS, & WINDOWS

Kawneer 1600 Wall System 1 & System 2 Test Reports:

By Hurricane Test Lab:	0049-0202-05	0049-0423-03	0242-0102-01
	0049-0406-01	0049-0512-03	0049-0105-02
	0049-1106-00	0049-1003-03	G049-0602-06
	00348-0802-04	0049-0702-00	0049-0911-98

Signed and Sealed by Vinu Abraham, PE.

By Architectural Testing, Inc: B3877.01-550-18
B8873.01-550-18
E6308.01-550-18

Signed and Sealed by Vinu Abraham, PE.

By Intertek B&C:	I0292.01-550-18-R1	K5373.01-201-18
	I0702.01-550-18-R0	
	J0847.01-550-18-R0	

Signed and Sealed by Vinu Abraham, PE.

By Construction Research Lab: Test Report 7058
Test Report 7059
Test Report 7060

Signed and Sealed by Nari Balsara, PE.