

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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PRODUCT EVALUATION

PRODUCT: HACI 2000 SERIES BRONZE FIXED WINDOWS

MANUFACTURER: HISTORICAL ARTS & CASTINGS, INC.
5580 WEST BAGLEY PARK ROAD
WEST JORDAN, UT 84081

To all concerned,

The 2000 Series Bronze Fixed Windows, manufactured by Historical Arts & Castings, have been tested per TAS 201, 202, & 203 by Hurricane Test Lab, with results shown in test reports 0222-1211-06 (Specimens 1-4).

Technical Documentation:

1. Drawing "2000 Series Fixed Window", dated 12/12/22, signed and sealed by Scott Wolters, PE.
2. Test Reports listed above by Hurricane Test Lab, signed and sealed by Vinu J. Abraham, PE.
3. Supplemental Calculations to support "2000 Series Fixed Window", 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 7th Edition (2020) 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 resistant, and shutters are not required in windborne debris regions.

Overall Limitations:

Elevations 1 & 2

Max. Frame Height:	111 ¼"
Max. Frame Width:	55 ¼"
Max. DLO Size:	48 ¼" x 104 ¼"
Max. Design Pressure:	+/- 70 psf

Elevation 3

Max. Frame Height:	120"
Max. Frame Width:	Unlimited
Max. Mullion Spacing:	46 1/4"
Max. DLO size:	42 3/4" x 112 1/4"
Max. Design Pressure:	+/- 70 psf

Glass: Design pressures for each glass type are limited by the testing listed above and ASTM E1300-09.

Glass Type A: 9/16" Laminated – 3/16" Heat Strengthened
0.025" Urethane Adhesive
0.125" Saf-Glas Interlayer (NOA# 22-0809.04)
0.025 Urethane Adhesive
3/16" Heat Strengthened

Max. Size: 42 3/4" x 112"
Max. Design Pressure: +/- 70 psf

Glass Type B: 9/16" Laminated - 1/4" Heat Strengthened
0.015" Urethane Adhesive
0.070" Saf-Glas Interlayer (NOA# 22-0809.04)
0.015" Urethane Adhesive
1/4" Heat Strengthened

Max. Size: 48 1/4" x 104 1/4"
Max. Design Pressure: +/- 70 psf

Framing: All extrusions are Bronze 380 or 385 Alloy, as shown on Sheet 7 of "2000 Series Fixed Window", unless otherwise noted.

Mullion Reinforcement: Please see the Details and notes on Sheets 5 & 6 of "2000 Series Fixed Window" for reinforcing requirements.

Anchors:

Please see the Anchor Chart on Sheet 6 and the anchor details on Sheets 4-6 of "2000 Series Fixed Windows" for the allowable anchors at the head, sill, and jambs. Location and Spacing requirements are shown on the Elevation views on Sheets 2-3.

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

Thank you,


Scott Wolters
FL PE# 62354
DEC 19 2022

