

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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PRODUCT EVALUATION

PRODUCT: REYNAERS CS77 SERIES FIXED WINDOWS (HVHZ)

MANUFACTURER: REYNAERS, INC.
11201 N TATUM BLVD
PHOENIX, AZ 85028

To all concerned,

The CS77 Series Fixed Window, manufactured by Reynaers, Inc. is a single lite aluminum fixed window that may be mulled with other CS77 Fixed or Casement Windows. The window has been tested per TAS 201, 202, and 203 by Architectural Testing, Inc. with results shown in test reports G3983.01-450-18 and G4624.01-450-18.

Technical Documentation:

1. Drawing "CS77FIX-HZ" dated 10/17/23 (Rev. 1), signed and sealed by Scott Wolters, PE.
2. Test Reports listed above by Architectural Testing, Inc. signed and sealed by Vinu Abraham, PE.
3. Supplemental Calculations to support CS77FIX-HZ, 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 window is approved for use inside and outside of the HVHZ. It is large and small missile impact resistant, and shutters are required for installations in the HVHZ that are more than 30 ft. above grade.

Overall Dimensions:

Frames with Glass Type 1 Only

Maximum Frame Width:	94 1/2"
Maximum Frame Height:	141 3/4"
Air Infiltration per TAS 202:	0.02 cfm/ft ² (at 6.24 psf)
Water Test Pressure per TAS 202:	12 psf

Frames with Glass Type 1 or 2

Maximum Frame Width:	48"
Maximum Frame Height:	96 7/16"
Air Infiltration per TAS 202:	0.02 cfm/ft ² (at 6.24 psf)
Water Test Pressure per TAS 202:	12 psf

Maximum Design Pressure:	+/- 65 psf
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Glass: Type 1: 1 11/16" Insulated Laminated
5/16" Heat Strengthened
5/8" Air Space (Aluminum Spacer)
5/16" Heat Strengthened
0.090" SentryGlas Interlayer (NOA# 23-0717.30)
5/16" Heat Strengthened

Type 2: 1 7/16" Insulated Laminated
1/4" Heat Strengthened
5/8" Air Space (Aluminum Spacer)
1/4" Heat Strengthened
0.090" SentryGlas Interlayer (NOA# 23-0717.30)
1/4" Heat Strengthened

Mullions: Windows up to 48" x 96 7/16" may be mullied with other CS77 Fixed or Casement Windows using the Reynaers 0060371.5 Aluminum Tube Mullion. The mullion may require 1/4" x 4" steel reinforcing, as shown in the chart on Sheets 5 & 6 of CS77FIX-HZ.

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

Thank you,

