

# WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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## PRODUCT EVALUATION

PRODUCT: REYNAERS CS77 SERIES CASEMENT WINDOWS

MANUFACTURER: REYNAERS, INC.  
21430 NORTH 15<sup>TH</sup> LANE, SUITE 111  
PHOENIX, AZ 85027

To all concerned,

The CS77 Series Casement Window, manufactured by Reynaers, Inc. is an aluminum casement window set in an aluminum frame that may be mulled with other CS77 Casement or Fixed Windows. The window has been tested per TAS 201, 202, and 203 by Architectural Testing, Inc. with results shown in test reports G3983.02-450-18 and G4624.01-450-18.

### Technical Documentation:

1. Drawing "CS77CASELMI" dated 7/30/18, 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 "CS77CASELMI" drawing, 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 6<sup>th</sup> Edition (2017) 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 impact resistant. Shutters are not required.

<u>Overall Dimensions:</u>	Maximum Design Pressure:	+/- 65 psf
	Maximum Frame Width:	48"
	Maximum Frame Height:	96 7/16"


Glass: 1 7/16" Insulated Laminated  
1/4" Heat Strengthened  
(Tempered for openings > 30 ft above grade)  
5/8" Air Space (Aluminum Spacer)  
1/4" Heat Strengthened  
0.090" SentryGlas Interlayer (NOA# 17-0808.02)  
1/4" Heat Strengthened

Mullions: Windows may be mullied with other CS77 Casement or Fixed Windows using the Reynaers 0060371.5 Aluminum Tube Mullion. 1/4" x 4" steel reinforcing is required for elevations with frame heights > 80" or windloads >45 psf.

Hardware: Sobinco Hinges, (2) per vent  
Sobinco Locking Hardware, (10) per vent  
(See Bill of Materials on Sheet 7/7 for more info)

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

Thank you,

  
Scott Wolters  
FL PE# 62354  
DEC 13 2018

