

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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PRODUCT EVALUATION

PRODUCT: REYNAERS CS77 SERIES TILT & TURN INSWING CASEMENT WINDOWS (HVHZ)

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

To all concerned,

The CS77 Series Tilt & Turn 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 Intertek B&C, with results shown in test report J8597.01-450-18.

Technical Documentation:

1. Drawing "CS77T&T-HZ" dated 10/17/23 (Rev. 1), signed and sealed by Scott Wolters, PE.
2. Test Reports listed above by Intertek B&C. signed and sealed by Vinu Abraham, PE.
3. Supplemental Calculations to support CS77T&T-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:

Maximum Frame Width:	48"
Maximum Frame Height:	96 7/16"
Air Infiltration per TAS 202:	0.27 cfm/ft ² (at 6.24 psf)
Water Test Pressure per TAS 202:	9.75 psf
Maximum Design Pressure:	+/- 65 psf

Glass:

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 mulled 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 Sheet 5 of CS77T&T-HZ.

Hardware:

Sobinco Hinges, (2) per vent
Sobinco Locking Hardware, (14) 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
OCT 17 2023

