

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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PRODUCT EVALUATION

PRODUCT: HARMON UCW8000i SERIES CURTAINWALL SYSTEM

MANUFACTURER: HARMON, INC.
550 WEST CYPRESS ROAD, SUITE 305
FORT LAUDERDALE, FL 33309

To all concerned,

The UCW8000i Series Curtainwall System, manufactured by Harmon Inc, has been tested per TAS 201, 202, and 203 by Intertek B&C, with results shown in test reports R3230.01-450-32, R3230.07-450-32, R3230.08-450-32, and R3230.09-450-32. The testing listed is equivalent to AAMA 501-2015.

Technical Documentation:

1. Drawing "UCW8000i", dated 12/20/24, signed and sealed by Scott Wolters, PE.
2. Test Reports listed above by Intertek B&C, signed and sealed by Tanya Dolby, PE.
3. Supplemental Calculations to support UCW8000i-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, for use outside of the High Velocity Hurricane Zone.

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

Maximum Design Pressures: Varies - See Glass Chart on UCW8000i-HZ , Sheet 14,
and Mullion Charts on UCW8000i-HZ, Sheet 15.

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. Please see the Glass Chart on UCW8000i Sheet 14 for allowable sizes and Design pressures.

Glass Type GL-03: 1 3/8" Laminated/Insulated (LMI)
5/16" Tempered
1/2" Air Space (Alum Spacer-Black)
1/4" Heat Strengthened
0.100" Kuraray SGX Interlayer (NOA# 23-0717.26)
1/4" Heat Strengthened

Glass Type GL-07: 1 3/8" Laminated/Insulated (SMI)
5/16" Heat Strengthened
1/2" Air Space (Alum Spacer-Black)
1/4" Heat Strengthened
0.060" Kuraray Trosifol PVB Interlayer (NOA# 23-0717.26)
1/4" Heat Strengthened

Glass Type GL-09: 1 3/8" Laminated/Insulated (SMI)
5/16" Tempered
1/2" Air Space (Alum Spacer-Black)
1/4" Heat Strengthened
0.060" Kuraray Trosifol PVB Interlayer (NOA# 23-0717.26)
1/4" Heat Strengthened

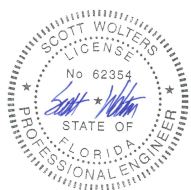
Mullions and Reinforcing: Please see the Mullion Charts on UCW8000i Sheet 15 for allowable mullion heights, spacing, and pressures for mullions with and without reinforcing.

Anchors: Please see the Anchor Notes and Details on UCW8000i Sheets 16-19 for the allowable anchors at the head, sill, jambs, and mid-span anchors. Other anchors may be used based on project specific calculations by a Florida Licensed Professional Engineer or Architect, as approved by the Authorities Having Jurisdiction.

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

Thank you,


Scott Wolters
FL PE# 62354
JAN 06 2025



Digitally signed
by Scott Wolters
Date: 2025.01.06
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