

L. Roberto Lomas P.E.

1432 Woodford Rd.
Lewisville, NC 27023
434-688-0609
rlomas@lrlomaspe.com

Engineering Evaluation Report

Report No.: 513065D

Manufacturer: Velux America, LLC.
85 Spencer Drive, Unit A
Wells, ME 04090

Product Line: CWS2 Dome Skylight – Impact – Modified Acrylic

Compliance:

The above mentioned product has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61G20-3.005 method 1(d). The product listed herein complies with requirements of the Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-02308 Revision C, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Report No.: C7450.03-250-44 signed by J.P. McDonald
Architectural Testing, Inc., Windham, NH
AAMA/WDMA/CSA 101/I.S.2/A440
Design pressure: ± 45.11 psf (Safety Factor of 2 positive, 1.5 negative)
Water penetration resistance 12.11psf
3. Report No.: C7452.02-250-44 signed by J.P. McDonald
Architectural Testing, Inc., Chelmsford, MA
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4
Cyclic Load Test, ± 45.0 psf design pressure
4. Test report No.: C7452.01-250-44 signed and sealed by Joseph A. Reed P.E.
Architectural Testing, Inc., Chelmsford, MA
TAS 201 Large Missile Impact Test, Level D, Wind Zone 4
TAS 202 Uniform Static Air Pressure, ± 45.0 psf design pressure, safety factor of 2, 15.04psf water penetration.
TAS 203 Cyclic Pressure loading ± 45.0 psf design pressure
5. Anchor calculations, report number 513065-1B, prepared, signed, and sealed by L. Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: ± 45.0 psf
- Unit size: 51" x 94 1/4"
- Units must be glazed, according to glazing details in approval drawing.
- This product is not rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame material to be rigid PVC.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-02308 Revision C.

Certification of Independence:

Please note that I don't have nor will acquire a financial interest in any company manufacturing or distributing the product(s) for which this report is being issued. Also, I don't have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).

