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Engineering Evaluation Report

Report No.: 514133

Manufacturer: Centor North America Inc.
966-130 Corporate Blvd.
Aurora, IL 60502

Product Line: 400 Series/Model 405 Folding Outward Opening Door with Aluminum Trim, Impact

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 current Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-03199, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: UL-SV3063820170915 signed and sealed by Alexis Spyrou P.E.
UL LLC, Northbrook, IL 60062
AAMA/WDMA/CSA 101/I.S.2/A440-11
Design pressure: ± 55.0 psf
Water penetration resistance 8.35psf
ASTM E1886-05 and ASTM E1996-09
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4
ASTM E1886/ E1996 Cyclic Load Test, ± 55.0 psf design pressure
TAS 201-94 Large Missile Impact Test, Level D, Wind Zone 4
TAS 202 -94 Uniform Static Air Pressure, ± 55.0 psf design pressure, 8.35psf water penetration.
TAS 203-94 Cyclic Pressure loading ± 82.5 psf design pressure
3. Anchor calculations, report number 514133-1, prepared, signed and sealed by Luis Roberto Lomas P.E.
4. Comparative analysis, report number 514133-2, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: Refer to approval drawing.
- Maximum unit size: Unlimited number of panels in unlimited configurations are approved as long as individual panel area does not exceed 30.08 ft² and uses vertical conditions as shown in approval drawing, and maximum frame area does not exceed 294.27ft²
- Units must be glazed per ASTM E1300-04/09, according with glass details in approval drawing.
- This product is 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 Extruded Aluminum 6063-T6.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03199.

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).

