L. Roberto Lomas P.E.

400 S. Palm Ave. Indialantic, FL 32903 434-688-0609 rllomas@lrlomaspe.com

# **Engineering Evaluation Report**

Report No.: 511373B

## Manufacturer: Stergis Windows & Doors, Inc. 79 Walton St Attleboro, MA 02703

Product Line: Stormgate REP CA PVC Casement Window – 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(a). The product listed herein complies with requirements of the current Florida Building Code.

## Supporting Technical Documentation:

- 1. Approval document: drawing number 08-00830 Revision B, prepared, signed and sealed by Luis Roberto Lomas P.E.
- Test Report No. CTLA-1742W-1 signed and sealed by Ramesh Patel, P.E. Certified Testing Laboratories, Orlando, FL ASTM E1886 and ASTM E1996 Large Missile Impact, Level D, Wind Zone 4 Cyclic Load Test, ±50.0psf design pressure
  Test Report No : 60765 02 100 47, signed by Stephen D. Shapk and Misbael L. Mag
- Test Report No.: 69765.02-109-47, signed by Stephen D. Shank and Michael L. Mackereth Architectural Testing, Inc., York, PA AAMA/WDMA/CSA 101/I.S.2/A440 Design pressure: ±50.0psf Water penetration resistance 9.75psf
- 4. Anchor calculations, report number 511373-1B, prepared, signed and sealed by Luis Roberto Lomas P.E.

#### Limitations and Conditions of use:

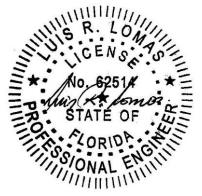
- Design pressure: ±50.0 psf
- Unit size: 37" x 75"
- Units must be glazed per ASTM E1300, according to glazing details in approval drawing.
- This product is not rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame material to be extruded rigid PVC.

#### Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-00830 Revision B.

#### 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).



Luis R. Lomas, P.E. FL No.: 62514 03/25/2022