# L. Roberto Lomas P.E.

# **Engineering Evaluation Report**

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

Report No.:512033C

**Manufacturer:** Stergis Windows & Doors, Inc.

79 Walton St

Attleboro, MA 02703

Product Line: Stormgate Impact NC Double Hung Window – Small Missile 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:

- Approval document: drawing number 08-01414 Revision C, titled Stormgate Impact NC Double Hung Window Small Missile Impact, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 2. Test Report No. A4318.01-250-44 signed by J.P. McDonald

Architectural Testing Laboratories, Chelmsford, Massachusetts

ASTM E1886 and ASTM E1996

Small Missile Impact, Level A, Wind Zone 4

Cyclic Load Test, ±50.0psf design pressure

3. Test Report No.: ESP009376P-12R/010588P-12R, signed and sealed by Ramesh Patel P.E

Element Materials Technology, Wausau, WI.

AAMA/WDMA/CSA 101/I.S.2/A440

Design pressure: ±50.0psf Water penetration resistance 7.5psf

4. Anchor calculations, report number 512033-1B, prepared, signed and sealed by Luis Roberto Lomas P.E.

#### Limitations and Conditions of use:

• Design pressure: ±50.0 psf

• Unit size: 47 3/8" x 71 3/8"

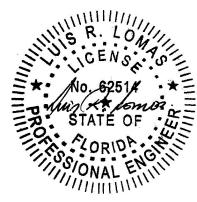
- Units must be glazed per ASTM E1300, according to glazing details in approval drawing.
- This product is not rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions, when
  installed 30ft or higher above ground level.
- Frame material to be extruded rigid PVC.

# Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-01414 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).



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