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## Engineering Evaluation Report

Report No.: 514359

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

**Product Line:** Series 623.620 Vinyl SGD, Large and 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:**

1. Approval document: drawing number 08-03367, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Report No.: ESP009160P-3 signed and sealed by Ramesh Patel P.E.  
Element Materials Technology, Wausau, WI  
AAMA/WDMA/CSA 101/I.S.2/A440-05  
Design pressure:  $\pm 50.0$ psf  
Water penetration resistance 7.5psf
3. Report No.: ESP009160P signed and sealed by Ramesh Patel P.E.  
Element Materials Technology, Wausau, WI  
ASTM E1886-05 and ASTM E1996-05  
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4  
ASTM E1886/ E1996 Cyclic Load Test,  $\pm 50.0$ psf design pressure
4. Anchor calculations, report number 514359-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

### **Limitations and Conditions of use:**

- Maximum design pressure:  $\pm 50.0$ psf
- Panel size: 48 15/16" x 91 1/4"
- Units must be glazed per ASTM E 1300-04/09, 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 08-03367.

### **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).

