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## Engineering Evaluation Report

Report No.: 515258

**Manufacturer:** Eastern Architectural Systems  
16341 Domestic Avenue  
Ft. Myers, FL 33913

**Product Line:** Series “279.043” Vinyl Double Hung Window - Impact

### **Compliance:**

The product listed herein complies with requirements of the current Florida Building Code.

### **Supporting Technical Documentation:**

1. Approval document: drawing number 08-03977, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: P9404.02-109-47 signed by Jonathan Dodd  
Intertek, Pittsburg, PA  
AAMA/WDMA/CSA 101/I.S.2/A440      Design pressure:  $\pm 60.0$ psf  
Water penetration resistance: 7.52psf (with sill extension 10005131)  
9.19psf (with sill extension 10005139)  
ASTM E1886 & E1996      Large Missile Impact, Level D, Wind Zone 4  
Cyclic Load Test,  $\pm 60.0$ psf design pressure
3. Test report No.: P9409.04-501-18 signed and sealed by Tanya A. Dolby P.E.  
Intertek, Pittsburg, PA  
TAS 201/ TAS 203 Large Missile Impact, Level D, Wind Zone 4  
Cyclic Pressure loading,  $\pm 60.0$ psf design pressure  
TAS 202      Design pressure,  $\pm 60.0$ psf  
Water penetration resistance: 7.52psf (with sill extension 10005131)  
9.19psf (with sill extension 10005139)
4. Anchor calculations, report number 515258-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

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

- Design pressure:       $\pm 50.0$ psf (with sill extension 10005131)  
                                  $\pm 60.0$ psf (with sill extension 10005139)
- Unit size:              52” x 75”
- Units must be glazed per ASTM E1300, according to glazing 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 PVC.

### **Installation:**

Units must be installed in accordance with manufacturer’s installation instructions and approval document 08-03977.

### **Certification of Independence:**

Please note that I do not 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 do not have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).

