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## Engineering Evaluation Report

Report No.: 513042B

**Manufacturer:** Eastern Architectural Systems  
16341 Domestic Ave.  
FT Myers, FL 33912

**Product Line:** Series 176 PW Fixed Window – 72" x 84" 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 08-02293 Revision B, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Report No.: ESP011976P signed and sealed by Ramesh C. Patel P.E.  
Element Materials Technology, Wausau, WI  
AAMA/WDMA/CSA 101/I.S.2/A440-08  
Design pressure:  $\pm 120.0$ psf  
Water penetration resistance 15.0psf  
ASTM E1886-05 and ASTM E1996-09  
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4  
ASTM E1886/ E1996 Cyclic Load Test,  $\pm 80.0$ psf design pressure
3. Report No.: ESP011976P-2 signed and sealed by Ramesh C. Patel P.E.  
Element Materials Technology, Wausau, WI  
AAMA/WDMA/CSA 101/I.S.2/A440-08  
Design pressure:  $\pm 120.0$ psf  
Water penetration resistance 15.0psf  
ASTM E1886-05 and ASTM E1996-09  
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4  
ASTM E1886/ E1996 Cyclic Load Test,  $\pm 80.0$ psf design pressure
4. Report No.: ESP011976P-2D signed and sealed by Ramesh C. Patel P.E.  
Element Materials Technology, Wausau, WI  
TAS 201-94 Large Missile Impact Test, Level D, Wind Zone 4  
TAS 202-94 Uniform Static Air Pressure,  $\pm 120.0$ psf design pressure, water penetration resistance:  $\pm 15.0$ psf  
TAS 203-94 Cyclic Pressure loading  $\pm 80.0$ psf design pressure.
5. Report No.: ESP011976P-D signed and sealed by Ramesh C. Patel P.E.  
Element Materials Technology, Wausau, WI  
TAS 201-94 Large Missile Impact Test, Level D, Wind Zone 4  
TAS 202-94 Uniform Static Air Pressure,  $\pm 120.0$ psf design pressure, water penetration resistance:  $\pm 15.0$ psf  
TAS 203-94 Cyclic Pressure loading  $\pm 80.0$ psf design pressure.
6. Anchor calculations, report number 513042-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

### Limitations and Conditions of use:

- Maximum design pressure:  $\pm 80.0$ psf
- Maximum unit size: 72" x 84"
- Units must be glazed per ASTM E1300-04, see installation instructions for glass options.
- 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 rigid PVC.

**Installation:** Units must be installed in accordance with approval document, 08-02293 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).

