Product Evaluation Report

February 16, 2017

Application Number:	FL# 21990.1-R0
EX Project Number:	18-6344
Product Manufacturer:	Apple Fasteners, Inc
Manufacturer Address:	2850 Appleton Street Camp Hill, Pennsylvania 17011
Product Name & Description:	Series storage shed Single Hung Window

Scope of Evaluation:

This Product Evaluation Report is being issued in accordance with the requirements of the Florida Department of Business and Professional Regulation (Florida Building Commission) Rule Chapter 61G20-3.005, F.A.C., for statewide acceptance per Method 1(d). The product noted above has been tested and/or evaluated as summarized herein to show compliance with the Florida Building Code Sixth Edition (2017) and is, for the purpose intended, at least equivalent to that required by the Code. Re-evaluation of this product shall be required following pertinent Florida Building Code modifications or revisions.

Substantiating Data:

- **PRODUCT EVALUATION DOCUMENTS**

EX drawing #18-6344 titled "Series storage shed Single Hung Window", sheets 1- 4, prepared by Engineering Express, signed & sealed by Frank L. Bennardo, P.E. is an integral part of this Evaluation Report.

- **TEST REPORTS**

Test was conducted in accordance with AAMA 1701.2-95
Uniform static structural performance has been tested per ASTM E330, air leakage performance per ASTM E283 and water Penetration performance per ASTM E547, per test report(s) No. D9979.01-109-44, by Architectural Testing, Inc. Signed and sealed by Michael D. Stremmel, P.E.

STRUCTURAL ENGINEERING CALCULATIONS

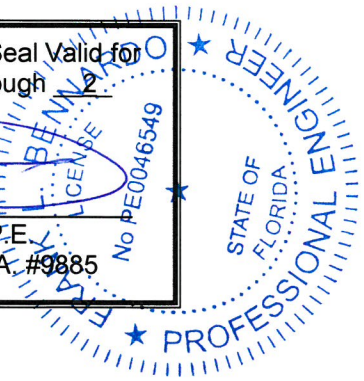
Structural engineering calculations have been prepared which evaluate the product based on comparative and/or rational analysis to qualify the following design criteria:

1. Anchor Spacing
2. Maximum Allowable Size/Pressure Combinations
3. Glass Capacity
4. Anchor Capacity

No 33% increase in allowable stress has been used in the design of each product.

Raised Engineer's Seal Valid for
Pages 1 through 2

Frank L. Bennardo, P.E.
PE0046549 C.A. #9885



Impact Resistance:

Impact resistance has not been demonstrated.

Wind Load Resistance

Each product has been designed to resist wind loads as indicated in the design schedule(s) on its respective Product Evaluation Document (i.e. engineering drawing).

Installation

Each product listed above shall be installed in strict compliance with its respective Product Evaluation Document (i.e. engineering drawing), along with all components noted therein.

Each product component shall be of the material specified in that product's respective Product Evaluation Document (i.e. engineering drawing).

Limitations & Conditions of Use:

Use of each product shall be in strict accordance with its respective Product Evaluation Document (i.e. engineering drawing) as noted herein.

All supporting host structures shall be designed to resist all superimposed loads and shall be of a material listed in each product's respective anchor schedule. Host structure conditions which are not accounted for in each product's respective anchor schedule shall be designed for on a site-specific basis by a registered professional engineer.

All components which are permanently installed shall be protected against corrosion, contamination, and other such damage at all times.

Each product has been designed for use outside the High Velocity Hurricane Zone (HVHZ) only.