

**ENGINEERING EXPRESS® EXPERT
PRODUCT EVALUATION REPORT**

August 17, 2018

Application Number: FL10706.2-R2
EX Project Number: 17-4669Product Manufacturer: Best Rolling Doors, Inc.
Manufacturer Address: 9770 N.W. 79th Avenue
Hialeah Gardens, FL

Product Name & Description: Steel Roll-Up Doors (NON-HVHZ)

Scope of Evaluation:

This Product Evaluation Report is being issued in accordance with the requirements of the Florida Department of Community Affairs (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 #17-4669 titled "Steel Roll-Up Doors (NON-HVHZ)", 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**

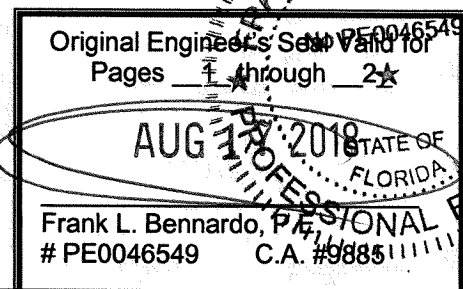
Uniform static structural performance has been tested in accordance with TAS 202 test standard per test report(s) #06-208, 07-208 (signed and sealed by Carlos S. Rionda, PE) and 08-208 (signed and sealed by Michael Wenzel, PE) by Fenestration Testing Laboratory, Inc. (FTL).

Large missile impact resistance and cyclic loading performance have been tested in accordance with TAS 201 and 203 test standards per test report(s) #06-208, 07-208 (signed and sealed by Carlos S. Rionda, PE) and 08-208 (signed and sealed by Michael Wenzel, PE) by Fenestration Testing Laboratory, Inc. (FTL).

- **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. Maximum Allowable Spans
2. Anchor Spacing
3. Maximum Allowable Size/Pressure Combinations
4. Anchor Capacity



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

This product evaluation does not consider separation from glazing and is evaluated as a door only. Insulation material shall be EPS-expanded polystyrene insulation manufactured by Dyplast Products LLC company, Miami-Dade County notice of acceptance # 17-1207.05 or latest version.

Impact Resistance:

Large Missile Impact Resistance has been demonstrated as evidenced in previously listed test reports, and is accounted for in the engineering design of this product.

Wind Load Resistance

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

Installation

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

The product components shall be of the material specified in the Product Evaluation Document (i.e. engineering drawing).

Limitations & Conditions of Use:

Use of this product shall be in strict accordance with the 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 this product's respective anchor schedule. Host structure conditions which are not accounted for in this 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.

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