

L. Roberto Lomas P.E.

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## Engineering Evaluation Report

Report No.: 513836A

**Manufacturer:** Nan Ya Plastics Corporation  
8989 North Loop East  
Houston, TX 77029

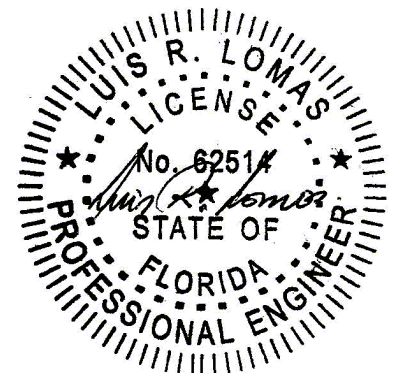
**Product Line:** 8' Inswing Door LPR (X/XX) – Impact HVHZ

### 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(d). The product listed herein complies with requirements of the current Florida Building Code.

### Supporting Technical Documentation:

- Approval document: drawing number 08-02983, prepared, signed and sealed by Luis Roberto Lomas P.E.
- Test report No.: CTLA 1420W signed and sealed by Ramesh Patel, P.E.  
Certified Testing Laboratories, Orlando, FL  
TAS 201 Large Missile Impact Test, Level D, Wind Zone 4  
TAS 202 Uniform Static Air Pressure,  $\pm 50.0$ psf design pressure, 7.5psf water penetration.  
TAS 203 Cyclic Pressure loading  $\pm 50.0$ psf design pressure
- Test report ETC-05-255-16776.1 signed and sealed by Joseph Labora Doldan P.E.  
ETC Laboratories, Rochester, NY  
Fiberglass testing  
ASTM D2843 Smoke density 52.1%  
ASTM D635 Rate of burning C1  
ASTM D1929 Self ignition temperature 1060 °F  
ASTM D638 Tensile strength unexposed 11,860 psi  
Tensile strength Xenon arc exposed 11,063 psi
- Test report ETC-05-255-16777.1 signed and sealed by Joseph Labora Doldan P.E.  
ETC Laboratories, Rochester, NY  
Cellular PVC testing  
ASTM D2843 Smoke density 49.6%  
ASTM D635 Rate of burning C1  
ASTM D1929 Self ignition temperature 950 °F  
ASTM D638 Tensile strength unexposed 6,019 psi  
Tensile strength Xenon arc exposed 6,014 psi
- Test report ETC-05-255-17144-7 signed and sealed by Joseph Labora Doldan P.E.  
ETC Laboratories, Rochester, NY  
Rigid PVC testing  
ASTM D2843 Smoke density 37.4%  
ASTM D635 Rate of burning C1  
ASTM D1929 Self ignition temperature 900 °F  
ASTM D638 Tensile strength unexposed 6,140 psi  
Tensile strength Xenon arc exposed 6,053 psi
- Test report ETC-06-255-17412.1 signed and sealed by Joseph Labora Doldan P.E.  
ETC Laboratories, Rochester, NY  
Phenolic Foam testing  
ASTM E84 flame spread index 10  
Smoke developed index 95  
Test report ETC-06-255-17900.0 signed and sealed by Joseph Labora Doldan P.E.  
ETC Laboratories, Rochester, NY  
Phenolic Foam testing  
ASTM D1929 Self ignition temperature 1100 °F
- Anchor calculations, report number 513836-1, prepared, signed and sealed by Luis Roberto Lomas P.E.



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

- Maximum design pressure:  $\pm 50.0$ psf
- Maximum unit size: 111 3/16" x 95 1/2"
- Approved configurations: XX/X, X/XX, X/X, XX, X.
- Units must be glazed per ASTM E1300 see installation instructions for details.
- 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 foam PVC.

### **Installation:**

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-02983.

### **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).

