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## Engineering Evaluation Report

Report No.: 514027A

**Manufacturer:** Nan Ya Plastics Corporation USA  
8989 North Loop East, Suite 800  
Houston, TX 77029

**Product Line:** Series "LPS Gliding Patio Door" Glazed Fiberglass SGD w/Sill Riser & Bubble Cover, XXO 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 08-03118, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: NCTL-210-4058-01 signed by Mark Bennett.  
National Certified Testing Laboratories, Orlando, FL.  
AAMA/WDMA/CSA 101/I.S.2/A440  
CSA A440S1-09  
Design pressure:  $\pm 50.0$ psf  
Water penetration resistance  $6.0$ psf (with standard sill)  
 $7.5$ psf (with sill riser)  
 $15.0$ psf (with sill riser and bubble cover)  
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4  
Cyclic Load Test,  $\pm 50.0$ psf design pressure
3. Anchor calculations, report number 514027-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

**Limitations and Conditions of use:**

- Design pressure:  $\pm 50.0$ psf
- Unit size:  $106" \times 82 \frac{3}{16}"$
- Approved configurations: XXO, OXX, XX, OX, XO.
- Units must be glazed per ASTM E1300-04/09, see installation instructions for glass details.
- This product is not 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 CO-EX or composite.

**Installation:**

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03118.

**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).

