

L. Roberto Lomas P.E.

208 7th Ave

Indialantic, FL 32903

434-688-0609

rlomas@lrlomaspe.com

Engineering Evaluation Report

Report No.: 514309E

Manufacturer: Nan Ya Plastics Corporation U.S.A.
8989 North Loop East
Houston, TX 77029

Product Line: SLPS Patio Door Lite 8'0 OS - Large Missile Impact - HVHZ

Compliance: The product listed herein complies with requirements of the current Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-03323 Revision E, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Report No.: NCTL 210-4112-04 signed and sealed by Douglas J. McDougall P.E.
National Certified Testing Laboratories, Orlando, FL
TAS 202 Design pressure: ± 50.0 psf
Water penetration resistance 6.0psf (with soft pvc frame)
7.5psf (with standard frame)
0.5psf (with standard frame and 1/2" sill riser)
TAS 201 & TAS 203 Large Missile Impact, Level D, Wind Zone 4
Cyclic design pressure loading ± 50.0 psf
3. Report No.: NCTL 210-4103-07 Rev. 4 signed by Christopher Bennett
AAMA/WDMA/CSA 101/I.S.2/A440, CSA A440S1
Design pressure: ± 50.0 psf Water penetration resistance: 7.5psf
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4
Cyclic Load Test, ± 50.0 psf design pressure
4. Test report No.: CTLA 1420W signed and sealed by Ramesh Patel P.E.
Certified Testing Laboratories, Orlando, FL
TAS 201/TAS 203 Large Missile Impact Test, Level D, Wind Zone 4
Cyclic Pressure loading ± 50.0 psf design pressure
TAS 202 Uniform Static Air Pressure, ± 50.0 psf design pressure, 7.50psf water penetration.
5. Test report No.: NCTL 210-3893-2 signed and sealed by Gerard J. Ferrara P.E.
National Certified Testing Laboratories, Orlando, FL
TAS 201/TAS 203 Large Missile Impact Test, Level D, Wind Zone 4
Cyclic Pressure loading ± 45.0 psf design pressure
TAS 202 Uniform Static Air Pressure, ± 45.0 psf design pressure, 7.50psf water penetration.
6. Anchor calculations, report number 514309-1C, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Design pressure: Refer to approval drawing
- Panel size: 35 3/4" x 95 1/4"
- Approved configurations: X, X/O, O/X, OX, XO, OX/O, XO/O, XX, XX/O, O/XX, OOX, O/OX, OO/X, OXX, XXO, OXX/O, O/XXO.
- Units must be glazed per ASTM E1300, according to glazing details in approval drawing.
- 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 Composite.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03323 Revision E.

Certification of Independence:

Please note that I do not 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 do not have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).

