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Engineering Evaluation Report

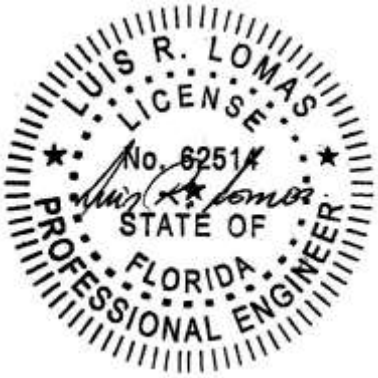
Report No.: 512680C

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

Product Line: Series In-Swing Transom, Vinyl Transom Window, GTI 12020 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 08-01970, Revision B, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Report No.: ETC-08-209-21133.0 signed by Joseph L Doldan, P.E.
   ETC Laboratories, Rochester, NY
   TAS 201 Large Missile Impact Test, Level D, Wind Zone 4
   TAS 202 Uniform Static Air Pressure, ±80.0psf design pressure, 12.0psf water penetration.
   TAS 203 Cyclic Pressure loading ±80.0psf design pressure
3. Rigid PVC Plastic Testing:
   Test report ETC-05-255-17144.1, signed and sealed by Joseph Labora Doldan P.E.
   ETC Laboratories, Rochester, NY, ASTM D638
   Tensile strength of unexposed samples 6,140psi
   Tensile strength of 4500 hour Xenon Arc exposed samples 6,053psi
   Self-ignition 900ºF
   ASTM D635 Rate of burning classification: C-1 (10mm/min, 0.38in/min)
   ASTM D2843 Smoke density rating: 37.4
4. Phenolic Foam Board Testing:
   Test report ETC-06-255-17412.1, signed and sealed by Joseph Labora Doldan P.E.
   ETC Laboratories, Rochester, NY, ASTM E84
   Flame spread Index: 10
   Smoke developed index: 95
5. SMC Fiberglass Testing:
   Test report ETC-05-255-16776.1, signed and sealed by Joseph Labora Doldan P.E.
   ETC Laboratories, Rochester, NY, ASTM D638
   Tensile strength of unexposed samples 11,860psi
   Tensile strength of 4500 hour Xenon Arc exposed samples 11,063psi
   Self-ignition 1060ºF
   ASTM D635 Rate of burning classification: C-1 (15.2mm/min, 0.60in/min)
   ASTM D2843 Smoke density rating: 52.1
6. Cellular PVC Testing:
   Test report ETC-05-255-16777.1, signed and sealed by Joseph Labora Doldan P.E.
   ETC Laboratories, Rochester, NY, ASTM D638
   Tensile strength of unexposed samples 6,019psi
   Tensile strength of 4500 hour Xenon Arc exposed samples 6,014psi
   Self-ignition 950ºF
   ASTM D635 Rate of burning classification: C-1 (10.2mm/min, 0.4in/min)
   ASTM D2843 Smoke density rating: 49.6
7. Anchor calculations, report number 512680-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.



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10/05/2020

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Limitations and Conditions of use:

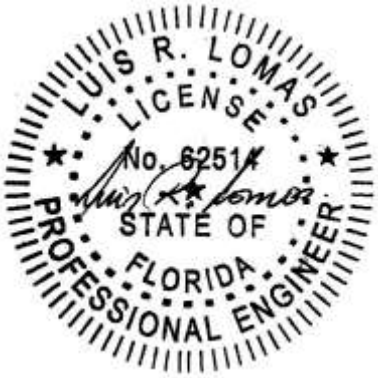
- Maximum design pressure: ±80.0psf
- Maximum unit size: 145 3/8" x 24"
- Units must be glazed per ASTM E1300, according to glazing details in approval drawing.
- This product is rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame material to be foam PVC.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-01970 Revision B.

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).



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