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Engineering Evaluation Report

Report No.: 511589E

Manufacturer: **Tapco Incorporated**
1815 McCullough Blvd.
Tupelo, MS 38801

Product Line: 200 Series Aluminum Mulled Hurricane Screen – Impact

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

Supporting Technical Documentation:

1. Approval document: drawing number 08-01024, Revision B, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test Report No. NCTL 210-3657-1 signed and sealed by Gerard J. Ferrara P.E.
   National Certified Testing Laboratories, Orlando, FL
   ASTM E330 Design pressure: ±70.0psf
   ASTM E1886 and ASTM E1996 Large Missile Impact, Level E, Wind Zone 4
   Cyclic Load Test, ±70.0psf design pressure
3. Test Report No. NCTL 210-3657-1A signed and sealed by Gerard J. Ferrara P.E.
   National Certified Testing Laboratories, Orlando, FL
   TAS 201/TAS 203 Large Missile Impact Test, Level E, Wind Zone 4
   Cyclic Pressure loading ±70.0psf design pressure
   TAS 202 Uniform Static Air Pressure, ±70.0psf design pressure
4. Test Report No. NCTL 210-3737-1 signed and sealed by Gerard J. Ferrara P.E.
   National Certified Testing Laboratories, Orlando, FL
   TAS 201/TAS 203 Large Missile Impact Test
   Cyclic Pressure loading ±50.0psf design pressure
   TAS 202 Uniform Static Air Pressure, ±50.0psf design pressure.
5. Test Report No. NCTL 210-3737-1A signed and sealed by Gerard J. Ferrara P.E.
   National Certified Testing Laboratories, Orlando, FL
   ASTM E330 Design pressure: ±50.0psf
   ASTM E1886 and ASTM E1996 Large Missile Impact, Level D, Wind Zone 4
   Cyclic Load Test, ±50.0psf design pressure
6. Mullion Analysis with anchor calculations, report number 511589-1, -2 and -3 prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Design pressure: See approval document.
- Panel size: See approval document.
- 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, up to wind zone 3.
- Impact Missile Level E for fixed units and Level D for operable units.
- Frame and mullion material to be extruded Aluminum 6005-T5.
- Screen material to be .035" stainless steel with 12 x 12 strands per square inch and .048" open space between strands. Mesh finish may be natural or painted.

Installation:
Units must be installed in accordance with manufacturer's installation instructions and approval document 08-01024 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).

LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Luis R. Lomas, P.E.
FL No.: 62514
12/30/2023