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Engineering Evaluation Report

Report No.: 511195F

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

Product Line: 985HV Aluminum Hurricane Screen – Impact HVHZ

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

Supporting Technical Documentation:

1. Approval document: drawing number 08-00770, revision C, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test Report No. NCTL 210-3612-1 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, (structural loads only).
3. Test Report No. NCTL 210-3612-1A 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
4. Anchor calculations, report number 511195-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Design pressure: ±50.0psf
- Vertical mullion height: 96”
- Horizontal mullion width: 51 1/4"
- Sash size: 49” x 46”
- Approved configurations: Unlimited number of sashes mulled vertically and horizontally in any combination of operable and fixed sashes as long as individual sash size does not exceed sash sizes stated herein and vertical mullion does not exceed 96” long or horizontal mullion does not exceed 51 1/4” long.
- 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 and sash material to be extruded Aluminum 6063-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 08-00770 Revision C.

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