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Engineering Evaluation Report

Report No.: 514449A

Manufacturer: Bovard Studio, Inc.
2281 Business Highway 34
Fairfield, IA 52556

Product Line: 6000 Series Fixed Window Muller - Impact HVHZ

Compliance:

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

Supporting Technical Documentation:

1. Approval document: drawing number 08-03445 revision A, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: ESP034329P.FW Impact signed and sealed by Jason R. Steen P.E.
Element Materials Technology, Des Moines, IA.
TAS 201/ TAS 203
Large Missile Impact Test, Level D, Wind Zone 4
Cyclic Pressure loading ± 85.0 psf design pressure
TAS 202
Uniform Static Air Pressure, ± 100.25 psf design pressure, 15.05psf water penetration.
3. Report No.: ESP034329P signed by Brian S. Escherich
Element Materials Technology, Des Moines, IA.
AAMA/WDMA/CSA 101/I.S.2/A440
Design pressure: ± 100.25 psf
Water penetration resistance 12.96psf
4. Report No.: ESP034329P.ASTM FW signed by Brian S. Escherich
Element Materials Technology, Des Moines, IA.
ASTM E1886/ E1996
Large Missile Impact, Level D, Wind Zone 4
Cyclic Load Test, ± 85.0 psf design pressure
5. Anchor calculations, report number 514449-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Design pressure: Refer to installation drawing
- Unit size: Refer to installation drawing.
- 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 aluminum 6063-T6.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03445, revision A.

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).

