L. Roberto Lomas P.E.
208 7th Avenue
Indialantic, FL 32903
434-688-0609
rllomas@lrlomaspe.com

Engineering Evaluation Report

Report No.: 514696B

Manufacturer: Boyd Aluminum Manufacturing
3248 East Division
Springfield, MO 65801

Product Line: 2400 Series Fixed over Casement Outswing Window - Impact

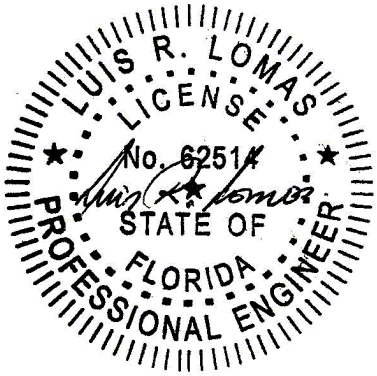
Compliance:
The product listed herein complies with requirements of the current Florida Building Code.

Supporting Technical Documentation:
1. Approval document: drawing number 08-03601 Revision A, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: ESP020908P.4 signed by Brian S. Escherich
   Element Materials Technology, Des Moines, IA
   AAMA/WDMA/CSA 101/I.S.2/A440
   Design pressure: ±100.3psf
   Water penetration resistance 15.0psf
3. Test report No.: ESP020908P signed by Brian S. Escherich
   Element Materials Technology, Des Moines, IA
   ASTM E1886/E1996
   Large Missile Impact, Level D, Wind Zone 3.
   Cyclic Load Test, ±70.0psf design pressure.
4. Anchor calculations, report number 514696-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:
- Design pressure: ±70.0psf
- Unit size: 40” x 87”
- Approved configurations: O/X
- Units must be glazed per ASTM E1300, according to glazing details in approval drawing.
- 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.
- Frame material to be Aluminum 6063-T5 and 6063-T6.

Installation:
Units must be installed in accordance with manufacturer’s installation instructions and approval document 08-03601, Revision A.
When the product specified herein is installed within 3000 ft. of a saltwater coastline, all anchors and clips must comply with saltwater environment corrosion resistance requirements of FBC Chapter 17.

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).



Luis R. Lomas, P.E.
FL No.: 62514
07/21/2026