

*L. Roberto Lomas P.E.*

233 W. Main St  
Danville, VA 24541  
434-688-0609  
rlomas@lrlomaspe.com

## Engineering Evaluation Report

**Report No.: 512499A**

**Manufacturer:** US Aluminum – Division of C.R. Laurence Co., Inc.  
720 Cel-River Road  
Rock Hill, SC 29730

**Product Line:** Series 450 Center Glazed Store Front

### **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(d). The product listed herein complies with requirements of the Florida Building Code.

### **Supporting Technical Documentation:**

1. Approval document: drawing number 08-01813, Revision A, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: ATI 79428.03-801-47 signed and sealed by Joseph Reed, P.E.  
Architectural Testing Inc., Southlake, TX  
ASTM E330-02 Design pressure  $\pm 30.0$ psf  
Water penetration: 8.0psf
3. Test report No.: ATLNC 0724.01-06 signed and sealed by David Johnson P.E.  
American Test Lab, Inc., Brevard, NC  
TAS 202-94 Uniform Static Air Pressure,  $\pm 65.00$ psf design pressure, 15.0 water penetration
4. Anchor calculations, report number 512499-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

### **Limitations and Conditions of use:**

- Maximum design pressure:  $\pm 30.0$ psf (Refer to Installation Instruction for smaller sizes rating)
- Units must be glazed per ASTM E1300-04, see installation instructions for glass details.
- This product is not rated to be used in the HVHZ.
- This product is not impact resistant and requires impact protection in wind borne debris regions.
- Frame material to be extruded Aluminum 6063-T5.

**Installation:** Units must be installed in accordance with approval document, 08-01813, Revision A.

**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).

