

Engineering Evaluation Report

Report: 101284

Joshua Royce, P.E.
3 Indian Springs Rd
Red Lion, PA 17356

Manufacturer: Tubelite, Inc.
3056 Walker Ridge Drive NW, Suite G
Walker, Michigan 49544

Product: Series TU24000 Storefront – Non-Impact

Description of Product:

The frame is extruded 6063-T5 aluminum thermally broken aluminum. All vertical frame members ran through with horizontal members being square cut and butted. Horizontal members are secured the vertical members using #10-16 x 1-1/2" mechanical fasteners. Four anchors are located at the head and sill members and three anchors at each intermediate horizontal.

Submitted Technical Documentation:

1. Test Report C4480.01-450-44 dated 05/01/2013 dated 07/15/2013, signed and sealed Vinu Abraham, P.E. (FL P.E. 53820) of Architectural Testing, Inc. located in West Palm Beach, FL.
AAMA 501-05:
ASTM E283-04(12): Air Infiltration: 6.24 psf
ASTM E331-00(09): Water Infiltration: 12.0 psf
ASTM E330-02(10): Design Pressure: +/-30 psf
2. Installation Drawing report number 101284D signed and sealed by Joshua Royce P.E.
3. Anchor Calculation report number 101284A signed and sealed by Joshua Royce P.E.
4. Quality Assurance from Architectural Testing Inc. (York, PA)

Limitations of Use:

1. Maximum product design pressure of +/- 30 psf.
2. Maximum product size of 174-7/8" wide by 124-1/4" high. Maximum bay size of 47-1/8" wide by 124-1/4" high. Units may extend horizontally to an indefinite length provided the maximum tested bay size is not exceeded in width.
3. Maximum transom daylight opening of 70-5/8" wide by 12-3/8" high. Maximum daylight opening of 47-1/8" wide by 95-1/8" high.
4. Not rated for use in the High Velocity Hurricane Zone (HVHZ).
5. Product is not impact resistant and will require the use of an impact protection system if installed in the Wind Borne Debris Region.

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Limitations of Use (Continued):

6. Glazing must comply with ASTM E1300. The tested glazing consisted of two sheets of 1/4" fully tempered glass separated by a 1/2" PVC spacer.
7. Glazing – Exterior glazed with push in wedge gaskets (#P2728). A 7/16" glazing bite was utilized on all lites. See glazing detail included in drawing package 101284D for further details.
8. Units must be installed as per the manufactures installation instructions and the Units must be installed as per the manufactures installation instructions and the installation documented in drawing 101284D.
9. The installation details described herein are generic and may not reflect actual conditions for a specific site. If site conditions cause installation to deviate from the requirements detailed herein, a licensed engineer or architect shall prepare site specific documents for use with this document

Compliance:

The above listed products have been shown to demonstrate compliance with the 2014 Florida Building Code and with the Florida Department of Business and Professional Regulation for Statewide Product Approval as per Rule 61G20-3.

Certificate of Independence:

In accordance with Rule 61G20-3, I do not have, nor do I ever intend to acquire, any financial interest in any manufacturing company associated with this evaluation report. I also do not have any financial interest in the manufacturing company or any company associated with the manufacturing company.

Joshua Royce, P.E.
Date: 04/29/15
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