BUILDING DROPS
398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

Product Evaluation Report

of

Tubelite, Inc.
E4500 Series Non-Thermal Storefront
(Non-HVHZ)(Non-Impact)

for

Florida Product Approval

FL# FL16042

Report No. 7199

Current Florida Building Code

Method:	**1 – D (Engineering Evaluation)**
Category:	**Panel Walls**
Sub – Category:	**Storefronts**
Product:	**E4500 Series Non-Thermal Storefront**
Materials:	**Aluminum 6063-T5**
Product Dimensions:	**See Installation Instructions, TLI007**

Prepared for:
Tubelite, Inc.
3056 Walker Ridge Drive N.W.
Walker, Michigan 49544

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 9/5/2023

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HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.10.04 07:16:27 -04'00'

Hermes F. Norero, P.E.
Florida P.E. No. 73778

398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

Manufacturer: **Tubelite, Inc.**

Product Category: Panel Walls

Product Sub-Category: Storefronts

Compliance Method: State Product Approval Method (1)(d)

Product Name: **E4500 Series Non-Thermal Storefront (Non-HVHZ)(Non-Impact)**

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Tubelite, Inc.** based on Method 1d of the State of Florida Product Approval, Florida Department of Business and Professional Regulation - Florida Building Commission.

Hermes F. Norero, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the current Florida Building Code.

See Installation Instructions **TLI007**, signed and sealed by Hermes F. Norero, P.E. (FL # 73778) for specific use parameters.

Limits of Use:

1. This product has been evaluated and is in compliance with the Current Florida Building Code, **excluding** the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the Current Florida Building Code and **does require** an impact resistant covering.
4. Site conditions that deviate from the details of installation instructions **TLI007** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **TLI007** for size and design pressure limitations.

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Quality Assurance: The manufacturer has demonstrated compliance of products in accordance with the Current Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Architectural Testing, Inc., an Intertek Company** (FBC Organization #: QUA1844).

Performance Standards: The product described herein has been evaluated per:

- ASTM E 283-04(12)
- ASTM E 331-00(09)
- ASTM E 330-14
- AAMA 501-15

Referenced Data:

1. Product Testing performed by **Architectural Testing, Inc.**
   (FBC Organization # TST4311)

Report:	Report Date:
C1529.01-450-44	10/26/12

2. Quality Assurance
   Architectural Testing, Inc., an Intertek Company
   (FBC Organization #: QUA1844)

Installation:

Refer to Installation Instructions, **TLI007**, for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to installation instructions, **TLI007**, for design pressures dependent on size options.

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Equivalence of Test Standards:

Various test standards have been evaluated for differences in test methodology, if any, between tested editions of the test standards listed below and those editions referenced in the current Florida Building Code. Tubelite Inc. has tested their products to the following test standard edition(s):

1) ASTM E 283-04
2) ASTM E 331-00
3) ASTM E 330-02
4) AAMA 501-05

Chapter 35 of the current Florida Building Code references the following editions of the above mentioned test standards:

1) ASTM E 283-04(12)
2) ASTM E 331-00(09)
3) ASTM E 330-14
4) AAMA 501-15

After review of the above mentioned referenced standards and editions, it has been found that the results and tests carried out meet the requirements for compliance. All referenced standards have been found to be equivalent.

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