BUILDING DROPS
1900 NE MIAMI CT. SUITE 2-15, MIAMI, FL 33132

Product Evaluation Report

of

Tubelite, Inc.
14000 ForceFront Storm® Storefront Framing
(WZ3) (Impact)

for

Florida Product Approval

FL# FL48458

Report No. 12022

Current Florida Building Code

Method:	**1 – D (Engineering Evaluation)**
Category:	**Panel Walls**
Sub – Category:	**Storefronts**
Product:	**14000 ForceFront Storm® Storefront Framing**
Materials:	**Aluminum 6063-T5**
Product Dimensions:	**See Installation Instructions, TLI043**

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: 09/25/2026

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

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.10.25 15:09:16 -04'00'

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

Manufacturer:	**Tubelite, Inc.**
Product Category:	Panel Walls
Product Sub-Category:	Storefronts
Compliance Method:	State Product Approval Method (1)(d)
Product Name:	**14000 ForceFront Storm® Storefront Framing (WZ3) (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, 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 **TLI043**, 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 not require** an impact resistant covering in Wind Zone 3 or less.
4. 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 in Wind Zone 4.
5. Site conditions that deviate from the details of installation instructions **TLI043** require further engineering analysis by a licensed engineer or registered architect.
6. See Installation Instructions **TLI043** for size and design pressure limitations.

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Quality Assurance:

The manufacturer has demonstrated compliance of manufacture 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:

- AAMA 501-24
- ASTM E283-19
- ASTM E330-14(21)
- ASTM E331-00(23)
- ASTM E1886-19
- ASTM E1996-23

Referenced Data:

1. Product Testing performed by **Quast Consulting & Testing, Inc.**
   (FBC Organization # TST8039)
   Report #: QCT25-7631.01, Report Date: 08/31/2026
   Report #: QCT25-7631.02, Report Date: 06/25/2026
   Report #: QCT25-7631.03, Report Date: 11/17/2025
   Report #: QCT25-7631.04, Report Date: 11/18/2025

Installation:

Refer to Installation Instructions (**TLI043**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**TLI043**) for design pressures based on size, configuration, and glass types.

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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 E283-26
2) ASTM E1996-20/26

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

1) ASTM E283-19
2) ASTM E1996-23

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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