



BUILDING DROPS

A Perfect Solution in Every Drop

Certificate of Authorization: 29578

398 East Dania Beach Blvd.

Suite 338

Dania Beach, FL 33004

954.399.8478 PH

954.744.4738 FX

contact@buildingdrops.com

Product Evaluation Report *of*

**Quaker Window Products
Series “B500/T500 (#8050)” Thermally Broken
Aluminum Single Hung Window (Impact)**

for
Florida Product Approval

FL# FL

Report No. 2322

**Florida Building Code 2010
Per Rule 9N-3**

Method: 1 – A (Certification)
Category: Windows
Sub – Category: Single Hung

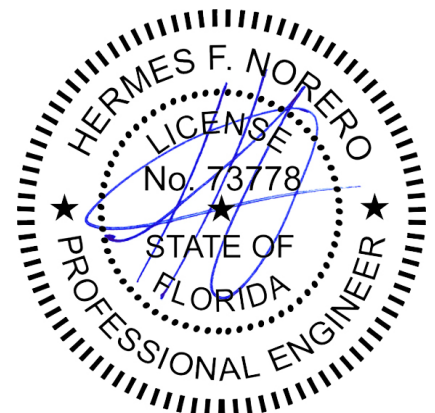
**Product: *Series “B500/T500 (#8050)” Thermally Broken
Aluminum Single Hung***
Material: Aluminum 6063-T6
Product Dimensions: 48.000” X 90.125”

Prepared For:
Quaker Window Products
504 Highway 63 South
Freeburg, MO 65035

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 02/26/2013

Contents:

Evaluation Report Pages 1 – 4
Installation Details Page 5



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



BUILDING DROPS

A Perfect Solution in Every Drop

Certificate of Authorization: 29578

FL#:

Date: 02/26/2013

Report No: 2322

| | |
|------------------------------|--------------------------------------------------------------------------------------------------------------|
| Manufacturer: | Quaker Window Products |
| Product Category: | Windows |
| Product Sub-Category: | Single Hung |
| Compliance Method: | State Product Approval Rule 9N-3.005 (1)(a) |
| Product Name: | Series "B500/T500 (#8050)" Thermally Broken Aluminum Single Hung Window (Impact) 48.000" X 90.125" |

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Quaker Window Products** based on Rule Chapter No. 9N-3.005, Method 1a of the State of Florida Product Approval, Department of Community Affairs - 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 2010 Florida Building Code.

See Installation Instructions **QWP012**, 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 2010 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 Section 1609.1.2 of the 2010 Florida Building Code and does not require an impact resistant covering.
4. Site conditions that deviate from the details of drawing **QWP012** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **QWP012** for size and design pressure limitations.



BUILDING DROPS

A Perfect Solution in Every Drop

Certificate of Authorization: 29578

FL#:

Date: 02/26/2013

Report No: 2322

Certification Agency: The manufacturer has demonstrated compliance of window products in Accordance with the Florida Building Code and Rule 9N-3.005 (3) for manufacturing under a Certification Agency through **National Accreditation & Management Institute, Inc.** (FBC Organization # CER1773)

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

- ASTM E1886-02/05
- ASTM E1996-02/05
- AAMA 506-08

Referenced Data:

1. Product Testing performed by **Architectural Testing, Inc.**
(FBC Organization # TST 1795)
Report #: B3993.01-201-44, Report Date: 02/03/2012
2. Product Testing performed by **Architectural Testing, Inc.**
(FBC Organization # TST 1910)
Report #: C5558.01-801-47, Report Date: 02/14/2013
3. Certification Agency
National Accreditation & Management Institute, Inc.
(FBC Organization #: CER 1773)



BUILDING DROPS

A Perfect Solution in Every Drop

Certificate of Authorization: 29578

FL#:

Date: 02/26/2013

Report No: 2322

Installation: 1. Approved anchor types and substrates are as follows:

Nail Fin Installation:

- A. For two by (2X) wood frame substrate, use **#10 Wood Screw** type wood frame anchors of sufficient length to achieve minimum embedment of 1.50" into wood framing.

- B. For steel stud substrate, use **#10 ITW TEK Screw** type steel stud anchors of sufficient length to achieve minimum 3 threads penetration beyond steel structure.

Refer to Installation Instructions (**QWP012**) for anchor spacing and more details of the installation requirements.

Design Pressure:

| Design Pressure | |
|-----------------|--------|
| Positive | 60 PSF |
| Negative | 60 PSF |

Hermes F. Norero, P.E.

Florida No. 73778

Page 4 of 5



BUILDING DROPS

A Perfect Solution in Every Drop
Certificate of Authorization: 29578

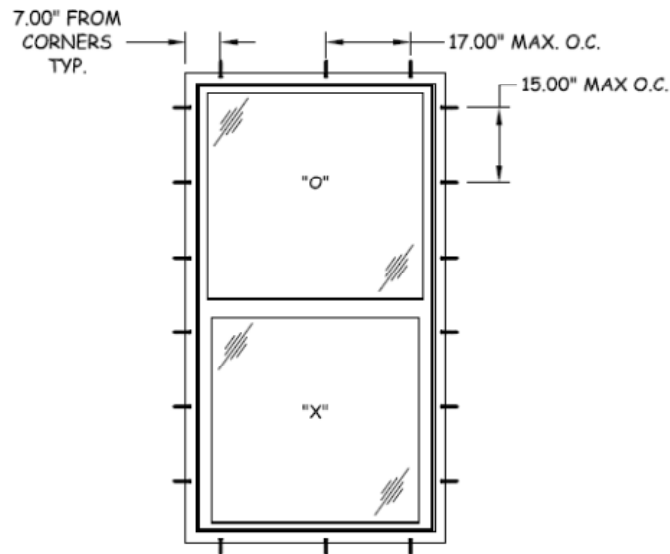
FL#: _____
Date: 02/26/2013
Report No: 2322

Installation Method

Quaker Window Products

Series "B500/T500 (#8050)" Thermally Broken

Aluminum Single Hung Window (Impact)



ANCHOR LAYOUT