



# BUILDING DROPS

A Perfect Solution in Every Drop

Certificate of Authorization: 29578

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## Product Evaluation Report of

**Quaker Window Products Co. Inc.**

**“Series 340(E700) Frame  
With Impact Louver Insert”**

*for*

Florida Product Approval

**FL# FL**

**Report No. 2130**

**Florida Building Code 2010**

**Per Rule 9N-3**

**Method: 1 – D (Engineering Evaluation)**  
**Category: Panel Walls**  
**Sub – Category: Wall Louver**

**Product: Series H200 (IRS) Louver System**  
**Material: 6063-T6 Aluminum**  
**Product Dimensions: 72” x 17.125” Max. O.A.**

**Prepared For:**

**Quaker Window Products Co. Inc.**  
**504 Highway 63 South**  
**Freeburg, MO 65035**

**Prepared by:**

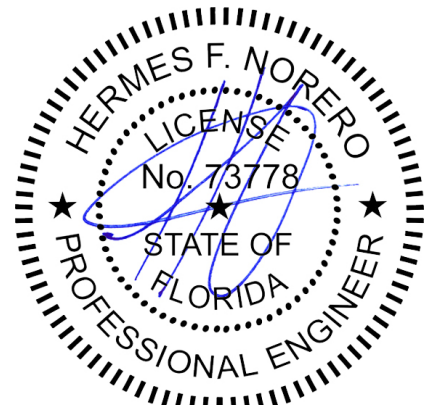
**Hermes F. Norero, P.E.**

Florida Professional Engineer # 73778

Date: 07/17/12

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



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<b>Manufacturer:</b>	<b>Quaker Window Products Co. Inc.</b>
<b>Product Category:</b>	Panel Walls
<b>Product Sub-Category:</b>	Wall Louver
<b>Compliance Method:</b>	State Product Approval Rule 9N-3.005 (1)(d)
<b>Product Name:</b>	<b>Series 340(E700) Frame with Impact Louver Insert</b> Max. 72" x 17.125" O.A.

**Scope:** This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Quaker Window Products Co. Inc.** based on Rule Chapter No. 9N-3.005, Method 1d 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 **QWP011**, 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 **QWP011** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **QWP011** for size and design pressure limitations.



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**Quality Assurance:** 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 quality assurance program audited by an approved quality assurance entity through the **National Accreditation and Management Institute (FBC Organization #: QUA 1789)**

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

- AAMA 450-00
- ASTM E330-97
- ASTM E1886-02
- ASTM E1996-02

**Referenced Data:**

1. Product Testing performed by **Architectural Testing, Inc.**  
**(FBC Organization #: TST 1795)**  
Report #: Report Date:  
A1706.01-801-47 8/16/2010  
B3994.01-201-44 3/16/2012
2. Product Testing performed by **Quast Consulting and Testing Inc.**  
**(FBC Organization #: TST 8039)**  
QCT11-2263.01 9/30/2011
3. Quality Assurance  
**National Accreditation and Management Institute**  
**(FBC Organization #: QUA 1789)**

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

- A. For 2x wood buck substrate (min. SG = 0.42), use **#10 Wood Screw** type installation anchors of sufficient length to achieve a minimum embedment of 1.50" into the wood substrate.
- B. For metal stud substrates, use **#10 Self-Drilling** type installation anchors of sufficient length to achieve a minimum 3 threads penetration beyond metal structure.

Refer to Installation Instructions (**QWP011**) for anchor spacing and more details of the installation requirements.

**Design Pressure:**

Design Pressure	
Positive	50 PSF
Negative	50 PSF

**Installation Method:** Please refer to installation instructions, **QWP011**, for anchor methods, selection, spacing, and further details of installation.