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Product Evaluation Report
of

Diversified Window Solutions, Inc.

Fin & Flange Header and Sill Kit
for

Florida Product Approval

FL#

Report No. 1175

Florida Building Code 2007

Per Rule 9N-3

Method: 1 – D (Engineering Evaluation)
Category: Shutters
Sub – Category: Storm Panels

Product: *Fin & Flange Header and Sill Kit*
Material: Aluminum 6063-T5
Product Dimensions: 103" Maximum Height

Prepared For:
Diversified Window Solutions, Inc.
215 Pineda St
Longwood, FL 32750

Prepared by:
Kristina S. Daugherty, P.E.
Florida Professional Engineer # 68455
Date: 11/03/2010

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11-8-10
Kristina S. Daugherty, P.E.
Florida No. 68455



Manufacturer: Diversified Window Solutions, Inc.
Product Category: Shutters
Product Sub-Category: Storm Panels
Compliance Method: State Product Approval Rule 9N-3.005 (1)(d)
Product Name: Fin & Flange Header and Sill Kit
103" Maximum Height

Scope: This is a Product Evaluation Report issued by Kristina S. Daugherty, P.E. (FL # 68455) for **Diversified Window Solutions, 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.

Kristina S. Daugherty, 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 2007 Florida Building Code.

See Installation Instructions, signed and sealed by Kristina S. Daugherty, P.E. (FL # 68455) for specific use parameters.

Limits of Use:

1. This product has been evaluated and is in compliance with the 2007 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 2007 Florida Building Code and does not require an impact resistant covering.
4. Site conditions that deviate from the details of drawing require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions, for size and design pressure limitations.

Kristina S. Daugherty, P.E.
Florida No. 68455



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 **National Accreditation and Management Institute** (FBC Organization #: QUA1789)

Performance Standards:

The product described herein has been tested per:

- AAMA/WDMA /CSA 101/I.S.2/A440-05
- ASTM E1886-02
- ASTM E1996-02
- TAS 201-94
- TAS 202-94
- TAS 203-94

Referenced Data:

1. Product Testing performed by **National Certified Testing Laboratory, Inc.** (FBC Organization # TST1589)
Report #:NCTL-210-3057-1, Report Date: 7/14/04
2. Product Testing performed by **National Certified Testing Laboratory, Inc.** (FBC Organization # TST1589)
Report #:NCTL-210-3057-1A, Report Date: 7/14/04
3. Product Testing performed by **National Certified Testing Laboratory, Inc.** (FBC Organization # TST1589)
Report #:NCTL-210-3057-2, Report Date: 7/14/04
4. Product Testing performed by **National Certified Testing Laboratory, Inc.** (FBC Organization # TST1589)
Report #:NCTL-210-3057-2A, Report Date: 7/14/04
5. Quality Assurance
National Accreditation and Management Institute
(FBC Organization #QUA1789)

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

Through 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 1.5" into wood framing.

Through Frame Installation:

- B. For concrete or masonry substrate where one by (1X), non-structural, wood bucking is employed, use **1/4" diameter ITW Tapcon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.
- C. For concrete or masonry substrate where wood bucking is NOT employed, use **1/4" diameter ITW Tapcon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.

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

Design Pressure:

Design Pressure	
Size	DP
103" Max. Height	+/- 60 PSF

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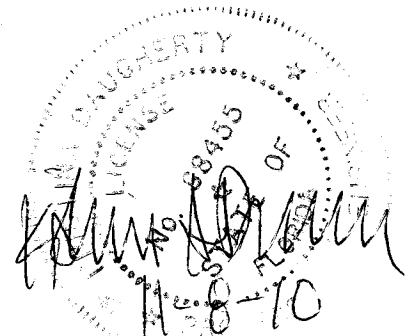
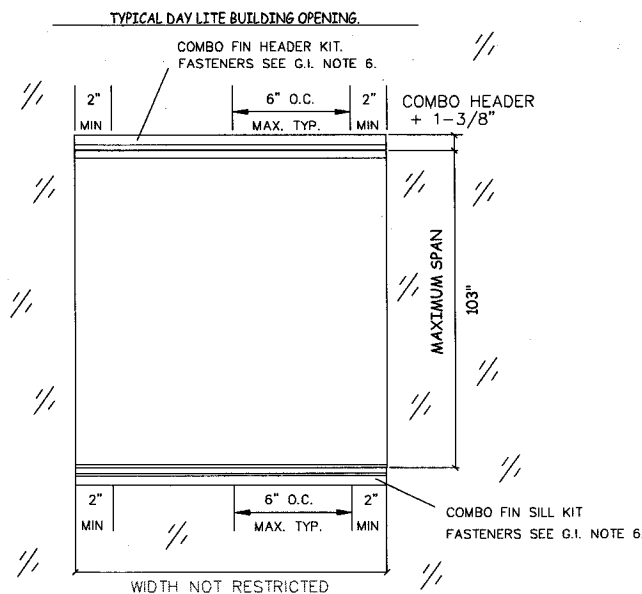
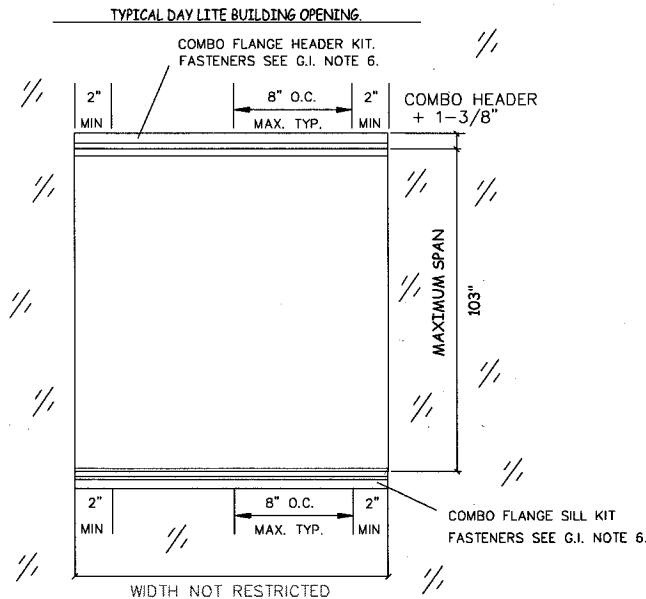


Installation Method

Diversified Window Solutions, Inc.

Fin & Flange Header and Sill Kit

+/-60 PSF



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