



BUILDING DROPS

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Product Evaluation Report *of*

**Pioneer Industries
Piocane Series
Double Outswing Exterior Steel Doors**

for
Florida Product Approval

**FL# FL7971
Report No. 3918**

5th Edition Florida Building Code 2014

Method: 1 – D (Engineering Evaluation)
Category: Exterior Doors
Sub – Category: Swinging Exterior Door Assemblies

Product: *Piocane Series Steel Double Entrance Doors*
Material: *Galvanized Steel*
Product Dimensions: *99.87" x 98.12"*

Prepared For:
Pioneer Industries
171 South Newman Street
Hackensack, NJ 07061

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 08/07/2015

Contents:

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2015.08.28 17:03:58 -04'00'



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



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Date: 08/07/2015

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Manufacturer: Pioneer Industries

Product Category: Panel Walls

Product Sub-Category: Storefronts

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

Product Name: Piocane Series Glazed Storefront
99.87" x 98.12"

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

See Installation Instructions **PI001**, 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 Florida Building Code, including 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 2014 Florida Building Code and does not require an impact resistant covering.
4. Site conditions that deviate from the details of drawing **PI001** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **PI001** 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 State Rules for manufacturing under a quality assurance program audited by an approved quality assurance entity through **National Accreditation & Management Institute** (FBC Organization #: QUA1789).

Performance Standards:

The product described herein has been tested per:

- TAS 201-94
- TAS 202-94
- TAS 203-94

Referenced Data:

1. Product Testing performed by **Fenestration Testing Laboratory**
(FBC Organization # TST1657)
Report #: 09-1599 Date: 7/15/2009
2. Quality Assurance
National Accreditation & Management Institute
(FBC Organization #: QUA1789)



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

Frame Jambs:

- A. For two by (2X) wood frame substrate, use **3/8" Lag Screws** type wood frame anchors of sufficient length to achieve minimum embedment of 3" into wood framing.
- B. For concrete or masonry substrate where wood bucking is NOT employed, use **3/8" diameter Red Head Dynabolt Sleeve Anchor** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.50" into concrete or masonry.
- C. For CMU substrate, use **3/16" diameter steel wire** type CMU anchors.
- D. For CMU substrate, use **steel T-Strap** type CMU anchors.

Frame Sill:

- E. For two by (2X) wood frame substrate, use **#14 Wood Screws** type wood frame anchors of sufficient length to achieve minimum embedment of 1.50" into wood framing.
- F. 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 (**PI001**) for anchor spacing and more details of the installation requirements.

Design Pressure: +/- 70 PSF