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Product Evaluation Report
of
Pioneer Industries
Piocane Series
Glazed Outswing Door

for
Florida Product Approval
FL#

Report No. 1290

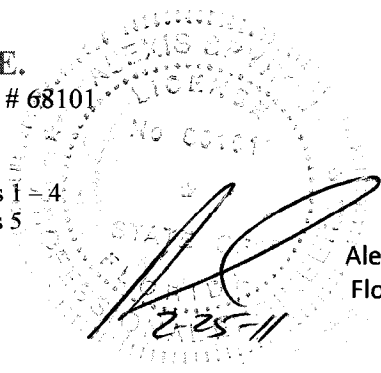
Florida Building Code 2007
Per Rule 9N-3

Method: 1 – D (Engineering Evaluation)
Category: Exterior Doors
Sub – Category: Swinging Exterior Door Assembly
Product: *Piocane Series Glazed Outswing Door*
Material: *Galvanized Steel*
Product Dimensions: *99.5" x 97.5" (TESTED)*

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

Prepared by:
Alexis Spyrou, P.E.
Florida Professional Engineer # 68101
Date: 2/22/11

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Evaluation Report Pages 1 – 4
Installation Details Pages 5



Alexis Spyrou, P.E.
Florida No. 68101



Manufacturer: Pioneer Industries
Product Category: Exterior Doors
Product Sub-Category: Swinging Exterior Door Assembly
Compliance Method: State Product Approval Rule 9N-3.005 (1)(d)
Product Name: Piocane Series Glazed Outswing Door
96" x 96" (TESTED)

Scope: This is a Product Evaluation Report issued by Alexis Spyrou, P.E. (FL # 68101) for **Pioneer Industries** based on Rule Chapter No. 9N-3.005, Method 1d of the State of Florida Product Approval, Department of Community Affairs - Florida Building Commission.

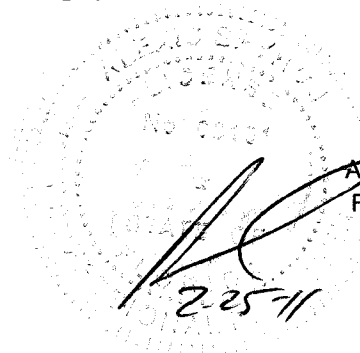
Alexis Spyrou, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the 2007 Florida Building Code.

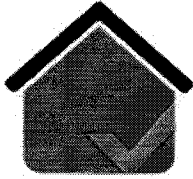
See Installation Instructions **PI002**, signed and sealed by Alexis Spyrou, P.E. (FL # 68101) for specific use parameters.

Limits of Use:

1. This product has been evaluated and is in compliance with the 2007 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 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 **PI002** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **PI002** for size and design pressure limitations.



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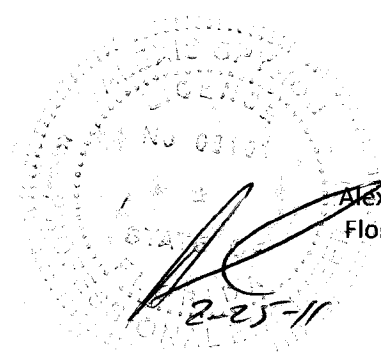
Quality Assurance: The manufacturer has demonstrated compliance of window products in Accordance with the Florida Building Code and Rule 9N-3.005 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity through **National Accreditation & Management Institute** (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 #: 10-660 Date: 2/21/2011

 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:

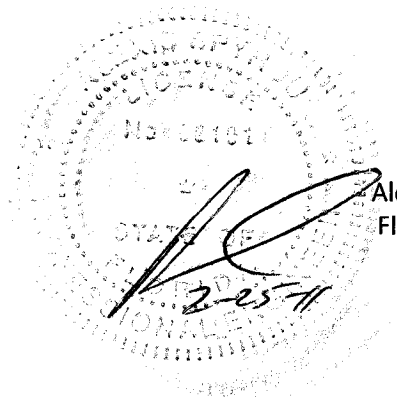
- A. For two by (2X) wood frame substrate, use **3/8" Lag Screws** type wood frame anchors of sufficient length to achieve minimum embedment of 3" into wood framing.
- B. For concrete or masonry substrate where wood bucking is NOT employed, use **3/8" diameter Red Head Dynabolt Sleeve Anchor** type concrete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

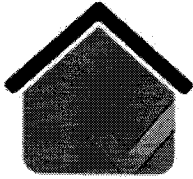
- E. For two by (2X) wood frame substrate, use **#14 Wood Screws** type wood frame anchors of sufficient length to achieve minimum embedment of 1.50" into wood framing.
- F. For concrete or masonry substrate where wood bucking is NOT employed, use **1/4" diameter ITW Tapcon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.

Refer to Installation Instructions (PI002) for anchor spacing and more details of the installation requirements.

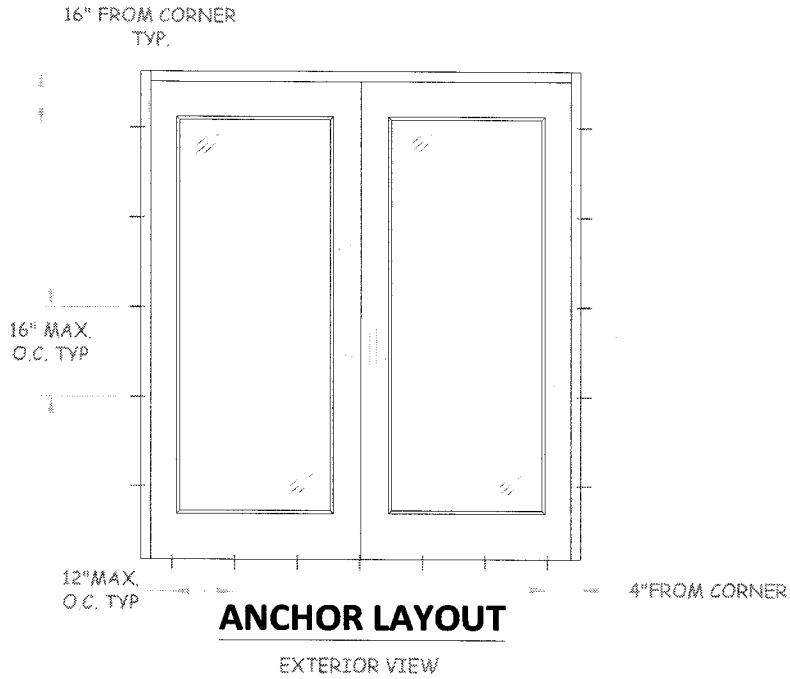
Design Pressure: +/- 50 PSF



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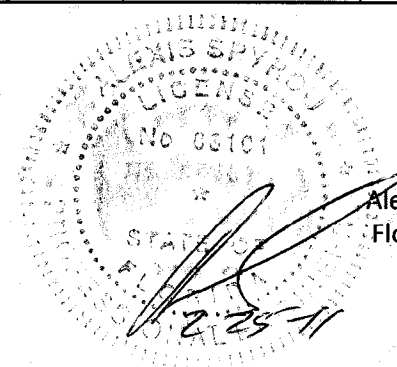
Installation Method
Pioneer Industries
Piocane Series
Glazed Outswing Door



| ANCHOR SCHEDULE | | | | | |
|-----------------|--------------------------------------|----------------------|--------------------------|----------------------------|------------|
| SUBSTRATE | ANCHOR | MIN. EMBEDMENT (IN.) | MIN. EDGE DISTANCE (IN.) | MAXIMUM O.C. SPACING (IN.) | |
| | | | | JAMBS | SILL |
| CONCRETE/CMU | 3/16" WIRE ANCHOR | N/A | N/A | EVERY 2 COURSES OF CMU* | N/A |
| | T-STRAP ANCHOR | N/A | N/A | EVERY 2 COURSES OF CMU* | N/A |
| | 3/8" RED HEAD DYNABOLT SLEEVE ANCHOR | 1.50 | 2.25 | SEE LAYOUT | N/A |
| | 1/4" ITW TAPCON ANCHOR | 1.25 | 2.50 | N/A | SEE LAYOUT |
| WOOD | 3/8" LAG SCREW | 3.00 | 1.50 | SEE LAYOUT | N/A |
| | #14 WOOD SCREW | 1.50 | 0.75 | N/A | SEE LAYOUT |

*A minimum of five (5) anchors is required on each jamb.

Note: No anchors are used through the frame head.



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