



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Pittsburgh Corning Corporation
800 Presque Isle Drive
Pittsburgh, PA 15239

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Lightwise 3-1/2" Energy Efficient Glass Block Window with Vinyl Frame

APPROVAL DOCUMENT: Drawing No. EEGBP, titled "High Performance Systems Energy Efficient Glass Block Panels w/ Vinyl Frame", sheets 1 through 3 of 3, dated 07/10/2014, prepared by Pittsburgh Corning Corporation, signed and sealed by Hermes F. Norero, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1, evidence page E-1 and Green Sustainable Attributes (G.S.A) page G-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



[Signature]
04/13/2015

NOA No. 14-0722.17
Expiration Date: April 23, 2020
Approval Date: April 23, 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **EEGBP**, titled "High Performance Systems Energy Efficient Glass Block Panels w/ Vinyl Frame", sheets 1 through 3 of 3, dated 07/10/2014, prepared by Pittsburgh Corning Corporation, signed and sealed by Hermes F. Norero, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
6) Forced Entry Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of Lightwise 3-1/2" Energy Efficient Glass Block Windows with Vinyl Frame, prepared by Intertek/Architectural Testing, Inc., Test Report No. **A3859.01-501-18**, dated 10/07/2010, with revision 1 dated 12/02/2014, signed and sealed by Michael D. Stremmel, P.E.

C. CALCULATIONS

1. Product evaluation report # 2915 prepared by Building Drops, Inc., complying with the 2010 and 5th edition (2014) FBC, dated 01/30/2015, signed and sealed by Hermes F. Norero, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0607.02**, issued to The Vinyl Company, Inc., for their White Rigid PVC Extrusions, approved on 06/05/2014 and expiring on 06/05/2019.
2. Notice of Acceptance No. **13-0708.08**, issued to Cardinal Systems, Inc., for their PVC Extrusions used as glass block spacers, approved on 09/12/2013 and expiring on 12/11/2015.
3. Test report on computer simulation per **NFRC 100-2010** and **NFRC 200-2010** of a Light Wise 3 1/2" Energy Efficient Glass Block Window with Vinyl Frame, performed by Intertek/Architectural Testing, Inc., Test Report No. **99309.01-116-45**, dated 03/16/2010 and revised on 12/03/2014, signed by Michael J. Thoman.

F. STATEMENTS

1. Statement letter of code conformance to 2010 and 5th edition (2014) FBC and of no financial interest issued by Building Drops, Inc., dated 01/30/2015, signed and sealed by Hermes F. Norero, P.E.



04/13/2015

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 14-0722.17
Expiration Date: April 23, 2020
Approval Date: April 23, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

GREEN SUSTAINABLE ATTRIBUTES (GSA)

SCOPE: This document is solely for the purpose of verification of Sustainable Attributes of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control.

G.8 – U-FACTOR (THERMAL TRANSMITTANCE) BTU/HR-FT²-°F	
Component Name	U-Value
3.5" x 7.75" x 7.75" Glass Block w/ Solarban 70 Center Layer	0.30

G.9 – SHGC-FACTOR (SOLAR HEAT GAIN COEFFICIENT) BTU/HR-FT²	
Component Name	SHGC- Value
3.5" x 7.75" x 7.75" Glass Block w/ Solarban 70 Center Layer	0.25



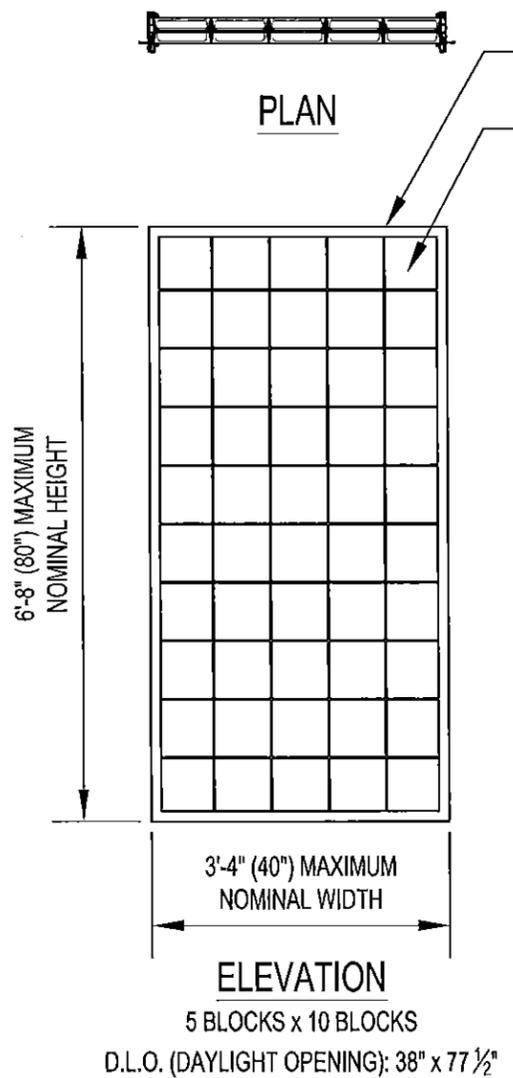
04/13/2015

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 14-0722.17
Expiration Date: April 23, 2020
Approval Date: April 23, 2015

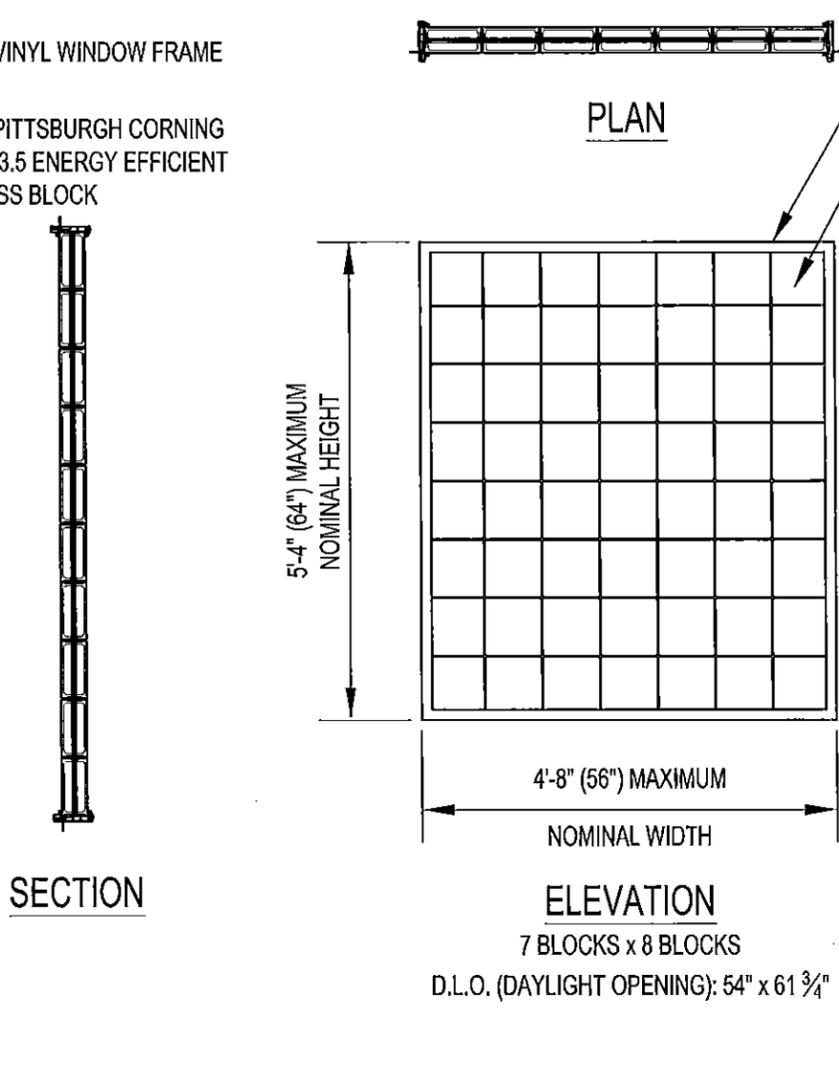
REVISIONS		
REV	DESCRIPTION	DATE
1	CORRECTED D.L.O. AND ADJUSTED ROUGH OPENING ON SIZING CHARTS BY 1/4"	10/27/14

**High Performance Systems
Energy Efficient Glass Block Panels Sizing Chart
Design Pressure Rating ± 90.0 PSF**

*NOMINAL GLASS BLOCK PANEL SIZE	**REQUIRED ROUGH OPENING SIZE (WIDTH x HEIGHT)	*NOMINAL GLASS BLOCK PANEL SIZE	**REQUIRED ROUGH OPENING SIZE (WIDTH x HEIGHT)	*NOMINAL GLASS BLOCK PANEL SIZE	**REQUIRED ROUGH OPENING SIZE (WIDTH x HEIGHT)
8" x 16"	9 3/4" x 17 5/8"	24" x 64"	25 1/2" x 65"	48" x 40"	49 1/4" x 41 3/8"
8" x 24"	9 3/4" x 25 1/2"	24" x 72"	25 1/2" x 73"	56" x 8"	57 1/8" x 9 3/4"
8" x 32"	9 3/4" x 33 1/2"	24" x 80"	25 1/2" x 80 7/8"	56" x 16"	57 1/8" x 17 5/8"
8" x 40"	9 3/4" x 41 3/8"	32" x 8"	33 1/2" x 9 3/4"	56" x 24"	57 1/8" x 25 1/2"
8" x 48"	9 3/4" x 49 1/4"	32" x 16"	33 1/2" x 17 5/8"	56" x 32"	57 1/8" x 33 1/2"
8" x 56"	9 3/4" x 57 1/8"	32" x 24"	33 1/2" x 25 1/2"	56" x 40"	57 1/8" x 41 3/8"
8" x 64"	9 3/4" x 65"	32" x 32"	33 1/2" x 33 1/2"	64" x 8"	65" x 9 3/4"
8" x 72"	9 3/4" x 73"	32" x 40"	33 1/2" x 41 3/8"	64" x 16"	65" x 17 5/8"
8" x 80"	9 3/4" x 80 7/8"	32" x 48"	33 1/2" x 49 1/4"	64" x 24"	65" x 25 1/2"
16" x 8"	17 5/8" x 9 3/4"	32" x 56"	33 1/2" x 57 1/8"	64" x 32"	65" x 33 1/2"
16" x 16"	17 5/8" x 17 5/8"	32" x 64"	33 1/2" x 65"	64" x 40"	65" x 41 3/8"
16" x 24"	17 5/8" x 25 1/2"	32" x 72"	33 1/2" x 73"	72" x 8"	73" x 9 3/4"
16" x 32"	17 5/8" x 33 1/2"	32" x 80"	33 1/2" x 80 7/8"	72" x 16"	73" x 17 5/8"
16" x 40"	17 5/8" x 41 3/8"	40" x 8"	41 3/8" x 9 3/4"	72" x 24"	73" x 25 1/2"
16" x 48"	17 5/8" x 49 1/4"	40" x 16"	41 3/8" x 17 5/8"	72" x 32"	73" x 33 1/2"
16" x 56"	17 5/8" x 57 1/8"	40" x 24"	41 3/8" x 25 1/2"	72" x 40"	73" x 41 3/8"
16" x 64"	17 5/8" x 65"	40" x 32"	41 3/8" x 33 1/2"	80" x 8"	80 7/8" x 9 3/4"
16" x 72"	17 5/8" x 73"	40" x 40"	41 3/8" x 41 3/8"	80" x 16"	80 7/8" x 17 5/8"
16" x 80"	17 5/8" x 80 7/8"	40" x 48"	41 3/8" x 49 1/4"	80" x 24"	80 7/8" x 25 1/2"
24" x 8"	25 1/2" x 9 3/4"	40" x 56"	41 3/8" x 57 1/8"	80" x 32"	80 7/8" x 33 1/2"
24" x 16"	25 1/2" x 17 5/8"	40" x 64"	41 3/8" x 65"	NOTE: *BASED ON 8"x8" NOMINAL SIZED GLASS BLOCK. **ROUGH OPENING = ACTUAL SIZE + 1/2"	
24" x 24"	25 1/2" x 25 1/2"	40" x 72"	41 3/8" x 73"		
24" x 32"	25 1/2" x 33 1/2"	48" x 8"	49 1/4" x 9 3/4"		
24" x 40"	25 1/2" x 41 3/8"	48" x 16"	49 1/4" x 17 5/8"		
24" x 48"	25 1/2" x 49 1/4"	48" x 24"	49 1/4" x 25 1/2"		
24" x 56"	25 1/2" x 57 1/8"	48" x 32"	49 1/4" x 33 1/2"		



**NON IMPACT RESISTANT
DESIGN PRESSURE RATING
± 90.0 PSF**



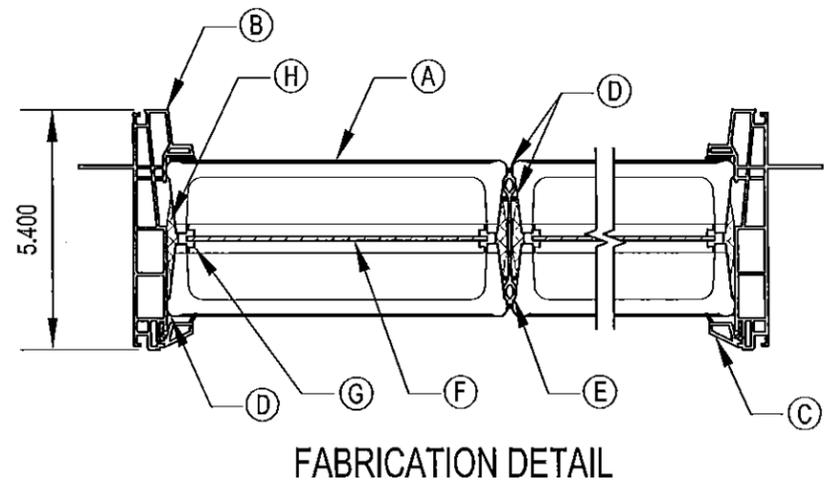
**NON IMPACT RESISTANT
DESIGN PRESSURE RATING
± 60.0 PSF**

**High Performance Systems
Energy Efficient Glass Block Panels Sizing Chart
Design Pressure Rating ± 60.0 PSF**

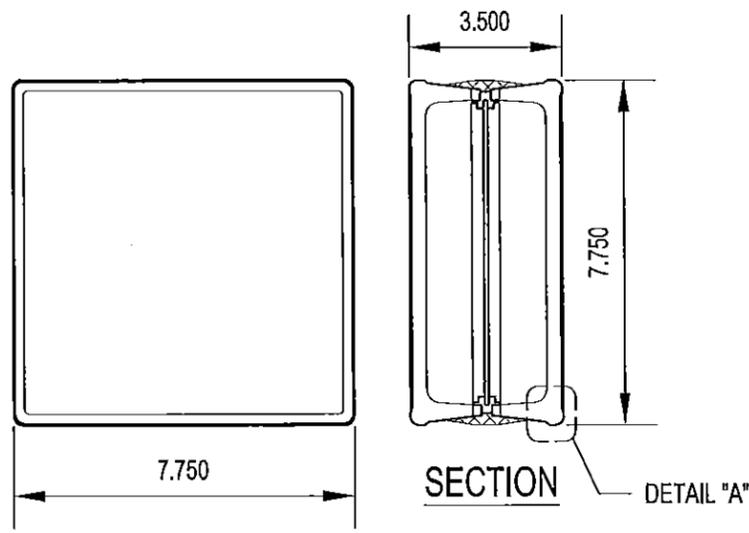
*NOMINAL GLASS BLOCK PANEL SIZE	**REQUIRED ROUGH OPENING SIZE (WIDTH x HEIGHT)
48" x 48"	49 1/4" x 49 1/4"
48" x 56"	49 1/4" x 57 1/8"
48" x 64"	49 1/4" x 65"
56" x 48"	57 1/8" x 49 1/4"
56" x 56"	57 1/8" x 57 1/8"
64" x 48"	65" x 49 1/4"

NOTE: *BASED ON 8"x8" NOMINAL SIZED GLASS BLOCK.
**ROUGH OPENING = ACTUAL SIZE + 1/2"

<p>Approved as complying with the Florida Building Code Date <u>04/23/2015</u> NOA# <u>14-0722-17</u> Miami Dept. Product Control By <u>[Signature]</u></p>		<p align="center">TITLE High Performance Systems Energy Efficient Glass Block Panels w/ Vinyl Frame</p>		
		<p align="center">PITTSBURGH CORNING CORP. 800 PRESQUE ISLE DRIVE PITTSBURGH, PA 15239</p>		
<p>SCALE 1/2" = 1'-0"</p>	<p>DWG. NO. EEGBP-001</p>	<p>DATE 07/10/2014</p>	<p>REV 1</p>	
<p>BY LBA</p>	<p>SHEET 1 OF 3</p>			



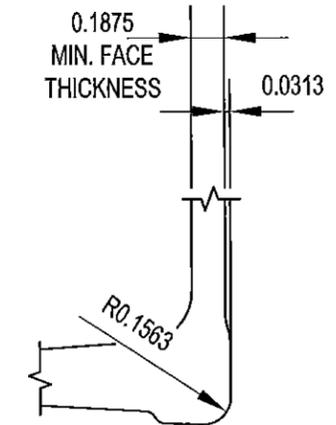
- A 8"x8"x3.5" PITTSBURGH CORNING ENERGY EFFICIENT GLASS BLOCK
- B 2" GLASS BLOCK VINYL FRAME, DIE # 4246
- C GLAZING BEAD, DIE # 1851
- D PITTSBURGH CORNING GLASS BLOCK SEALANT
- E PITTSBURGH CORNING VINYL SPACER
- F GLASS INSERT WITH LOW-EMISSIVITY COATING
- G LOW THERMAL CONDUCTING SPACER
- H BUTYL BASED SEALANT



ELEVATION

(A) 8x8x3.5 ENERGY EFFICIENT GLASS BLOCK

REVISIONS		
REV	DESCRIPTION	DATE
1	REDUCED SHIM SPACE PER SIDE FROM 3/8" TO 1/4"	10/27/14



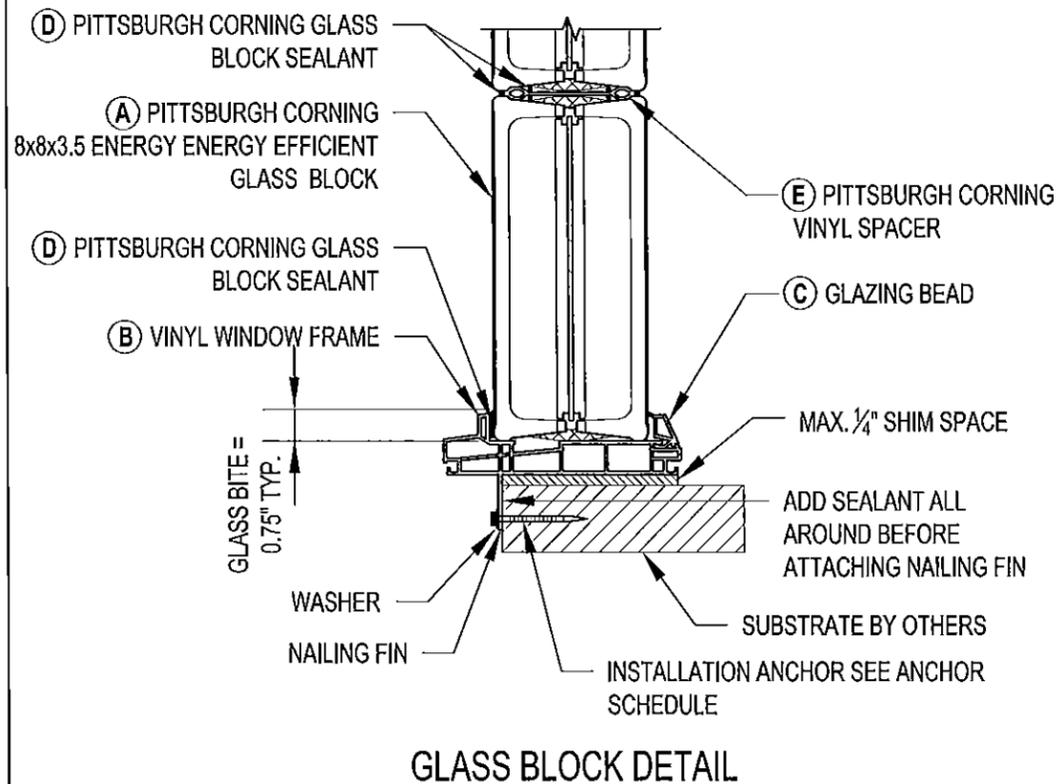
DETAIL "A"
FULL SCALE

SPECIFICATION NOTES:

- **GLASS BLOCK UNITS:** 8"x8"x3.5" (nominal size) Pittsburgh Corning Energy Efficient Glass Block.
- **FRAME:** Extruded and dual durometer white rigid PVC. Frame corners are mitered and welded. Extrusions by The Vinyl Company, Inc. of Toronto, Canada (AAMA Certified Profile Licensee Code Designation VIP-1), and approved by Miami-Dade (NOA).
- **PLASTIC SPACERS:** Extruded rigid PVC. Rigid PVC plastic spacers extruded by Cardinal Systems, Inc. approved by Miami-Dade (NOA).
- **WINDOW SIZES:** See sizing chart for nominal and rough opening dimensions.
- **FRAMING AND JOINT SEALANT:** Pittsburgh Corning Glass Block Sealant. One part neutral fast curing structural silicone sealant.
- **SEALANT LOCATIONS:** All horizontal and vertical exterior glass block joints; two beads each above and below "long" horizontal spacer (no sealant required for "short" vertical spacers); perimeter joints between glass block and vinyl frame (both exterior and interior sides); and add sealant all around sill before attaching nailing fin.
- **ANCHOR SCHEDULE:**
 - 1) For wood substrates (min. S.G. = 0.55), use #10 x 2" long pan head wood screws with #10 washers, 6" from corners and 7" max. o.c. thereafter. Installation shall maintain min. 3/4" edge distance.
 - 2) For steel substrates (min. 18 GA., Fy = 33 KSI), use #10-16 Hilti Kwik-Flex or Elco-Dril Flex fasteners of sufficient length to achieve minimum 3 threads penetration beyond steel structure at 6" from corners and 7" max. o.c. thereafter. Installation shall maintain min. 5/16" edge distance.
- **SHIM SPACES:** Shim spaces to be no more than 1/4" per side.

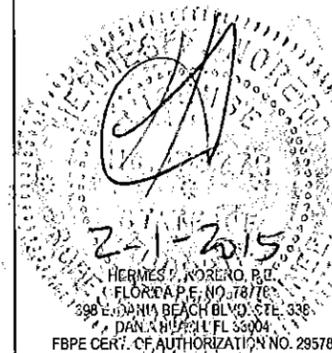
INSTALLATION NOTES:

- Complete Window System only available from Pittsburgh Corning Corporation.
- This System is not intended to be installed piece by piece with spacers.
- Separate dissimilar materials.



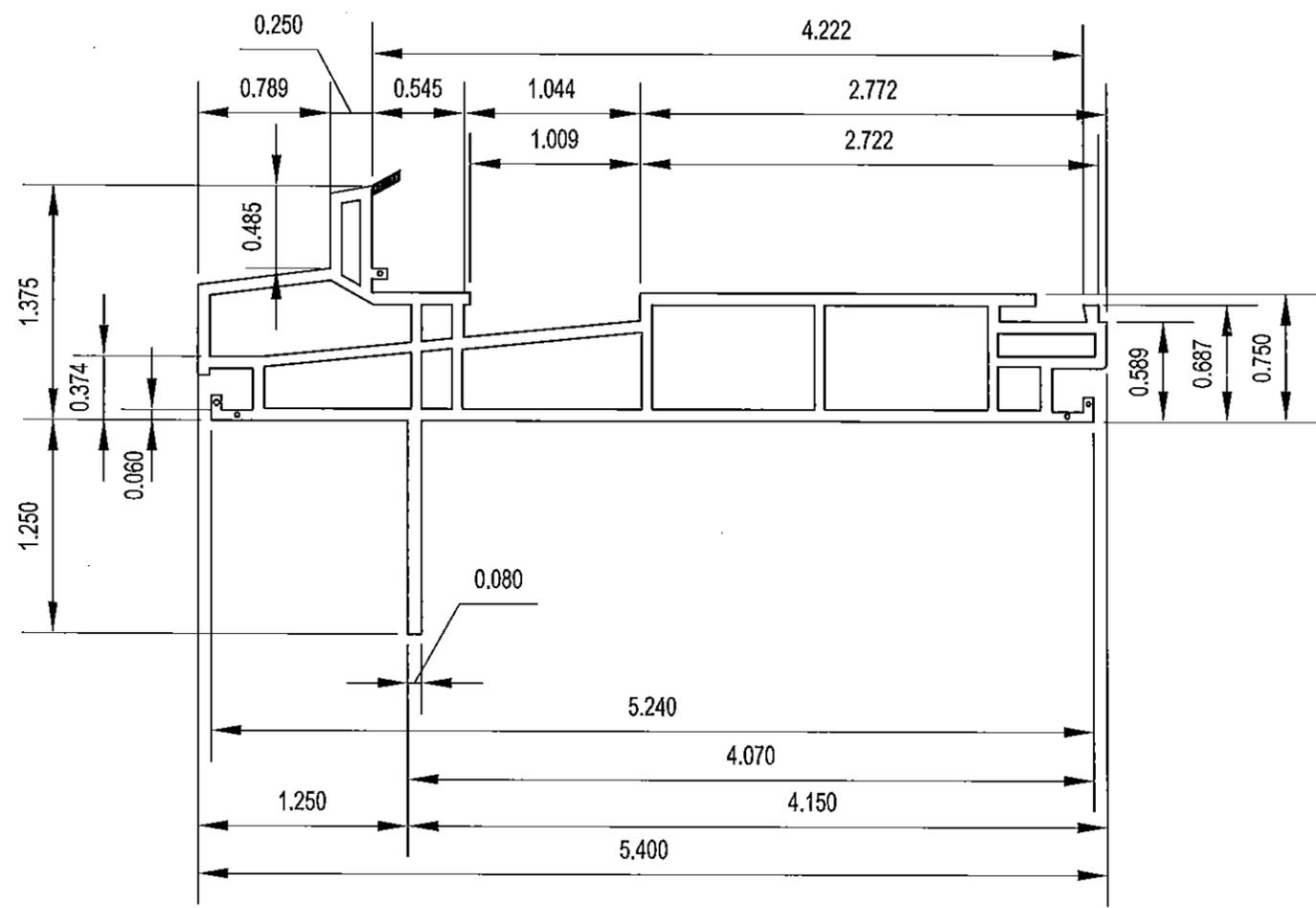
GLASS BLOCK DETAIL

Approved as complying with the Florida Building Code
 Date 04/23/2015
 NOA# 14-0722-17
 Miami Dade Product Control
 By *[Signature]*



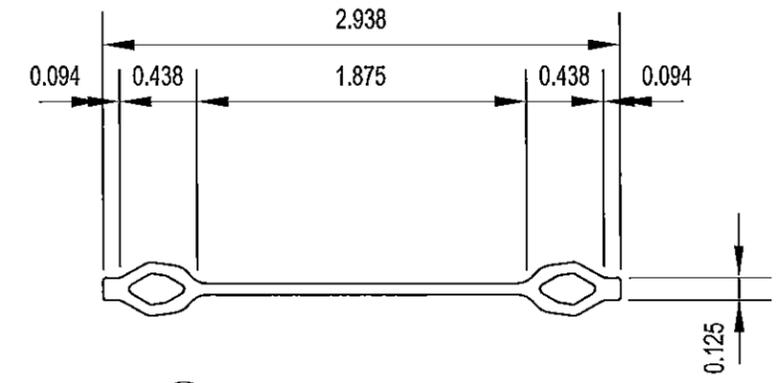
TITLE			
High Performance Systems Energy Efficient Glass Block Panels w/ Vinyl Frame			
PITTSBURGH CORNING CORP. 800 PRESQUE ISLE DRIVE PITTSBURGH, PA 15239			
SCALE	DWG. NO.	REV	
3" = 1'-0"	EEGBP-002	1	
BY	DATE	SHEET	
LBA	07/10/2014	2 OF 3	

REVISIONS		
REV	DESCRIPTION	DATE
1	REMOVED "J" FIN FROM VINYL FRAME DETAIL	10/27/14

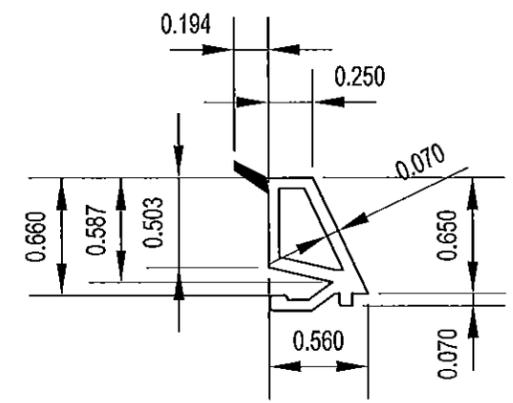


WALL THICKNESS: 0.070
 INSIDE: 0.060
 ○ : 0.060

(B) VINYL FRAME DETAIL
 DIE # 4246
 THE VINYL COMPANY
 APPROVED BY MIAMI-DADE (NOA)



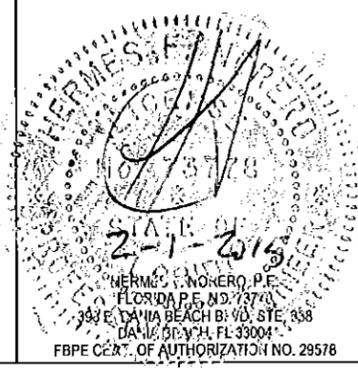
(E) VINYL SPACER DETAIL
 CARDINAL SYSTEMS, INC.
 APPROVED BY MIAMI-DADE (NOA)



WALL THICKNESS: 0.060

(C) GLAZING BEAD DETAIL
 DIE # 1851
 THE VINYL COMPANY
 APPROVED BY MIAMI-DADE (NOA)

Approved as complying with the
 Florida Building Code
 Date 04/23/2015
 NOA# 14-0722-17
 Miami Dade Product Control
 By [Signature]



TITLE			
High Performance Systems Energy Efficient Glass Block Panels w/ Vinyl Frame			
PITTSBURGH CORNING CORP. 800 PRESQUE ISLE DRIVE PITTSBURGH, PA 15239			
SCALE	DWG. NO.	REV	
FULL	EGBBP-003	1	
BY	DATE	SHEET	
LBA	07/10/2014	3 OF 3	