



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/buldingcode](http://www.miamidade.gov/buldingcode)

**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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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: Glass Block Mortar System.**

**APPROVAL DOCUMENT:** Drawing No. A, B and C, titled "Glass Block Mortar System: 4" Thick Hollow and 3" Thick Solid GB and Generic Construction Details-Isometric Views", sheets 1 through 3 of 3, dated 06/14/07, prepared for Pittsburgh Corning Corporation, signed and sealed by Carol D. Hays, Ph.D., P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Small Missile Impact Resistant (Thickset 90 and Vistabrick Series)**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*Carlos M. Utrera*  
7/16/07

NOA No. 07-0626.10  
Expiration Date: August 9, 2012  
Approval Date: August 9, 2007  
Page 1

**Pittsburgh Corning Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **A, B** and **C**, titled "Glass Block Mortar System: 4" Thick Hollow and 3" Thick Solid GB and Generic Construction Details-Isometric Views", sheets 1 through 3 of 3, dated 06/14/07, prepared for Pittsburgh Corning Corporation, signed and sealed by Carol D. Hays, Ph.D., P.E.

**B. TESTS**

1. Small Missile Impact Test per FBC TAS 201-94; Uniform Static Air Pressure and Air Infiltration Test per FBC TAS 202-94 and Cyclic Wind Pressure Loading per FBC, TAS 203-94, prepared by Architectural Testing, Inc., Test Report No. **66795.01-109-18**, dated 06/19/07, signed and sealed by Michael D. Stremmel, P.E.

**C. CALCULATIONS**

1. Channel and Fastener Calculations, prepared by Engineering Analytics, Inc., dated 06/11/07, signed and sealed by Carol D. Hays, Ph.D., P.E.

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Code compliance letter issued by Engineering Analytics, Inc., dated 06/22/07, signed and sealed by Carol D. Hays, Ph.D., P.E.
2. No financial interest letter issued by Pittsburgh Corning Corporation, dated 06/21/07, signed by Nicholas T. Loomis, P.E.
3. Code compliance letter issued by Architectural Testing, Inc., dated 06/19/07, signed and sealed by Michael D. Stremmel, P.E.



7/16/07

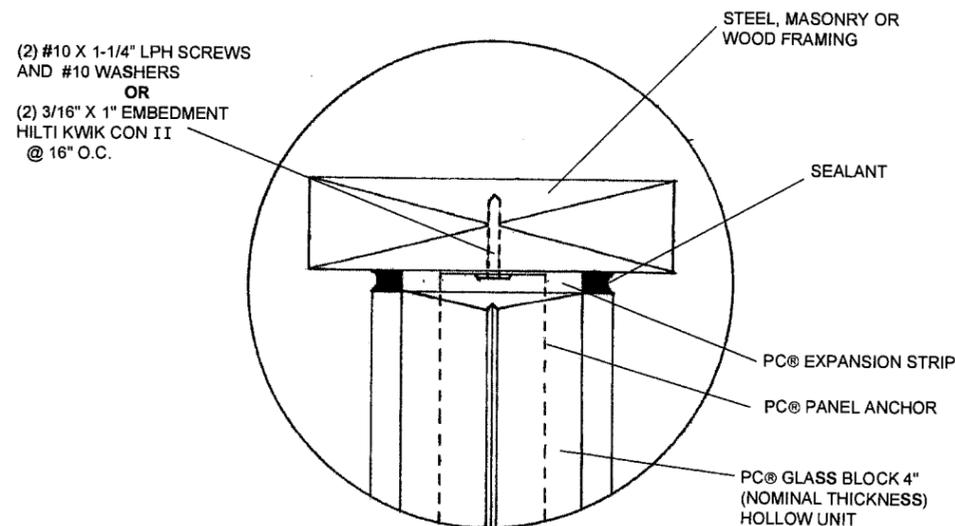
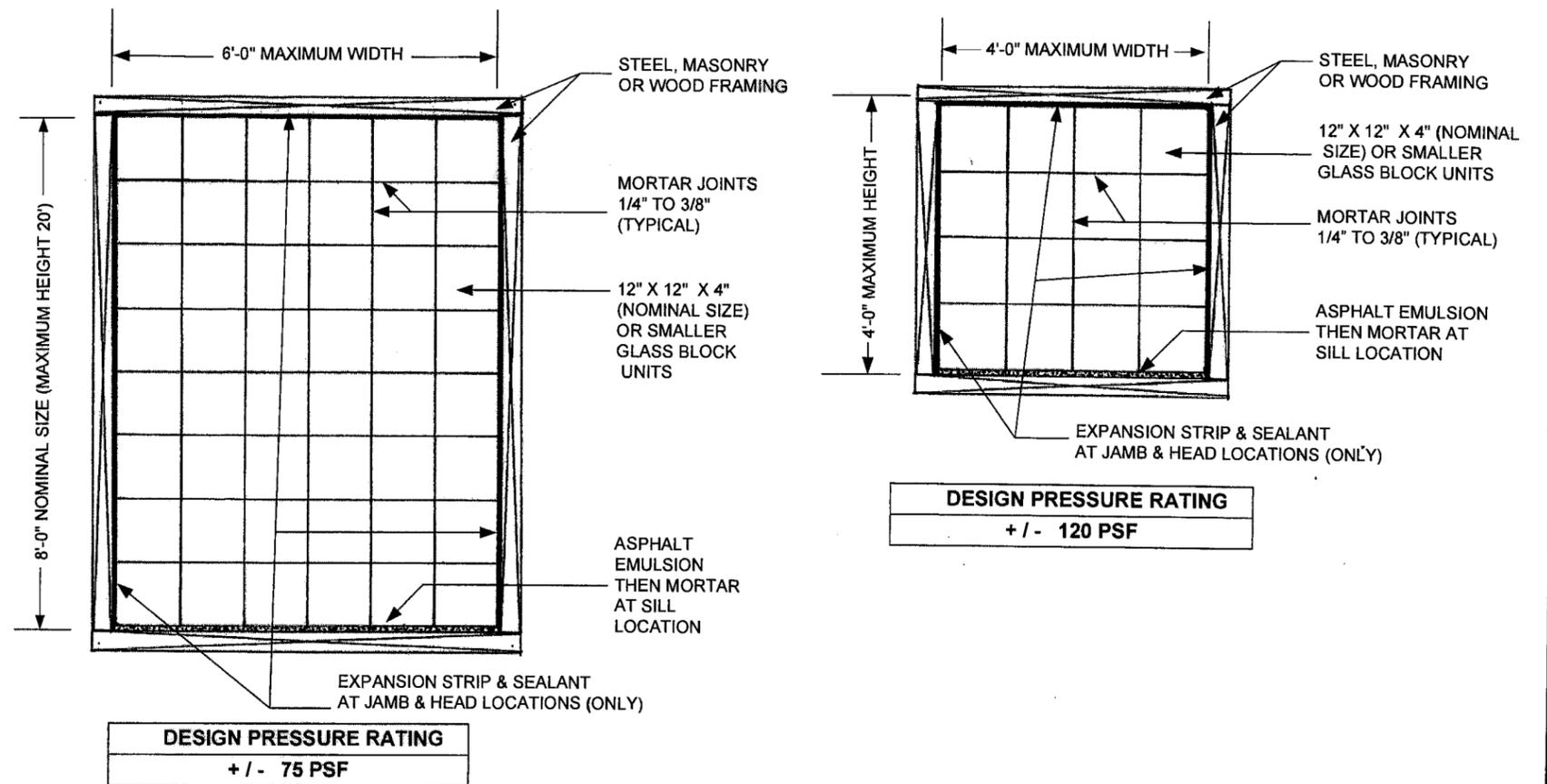
Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 07-0626.10

Expiration Date: August 9, 2012  
Approval Date: August 9, 2007

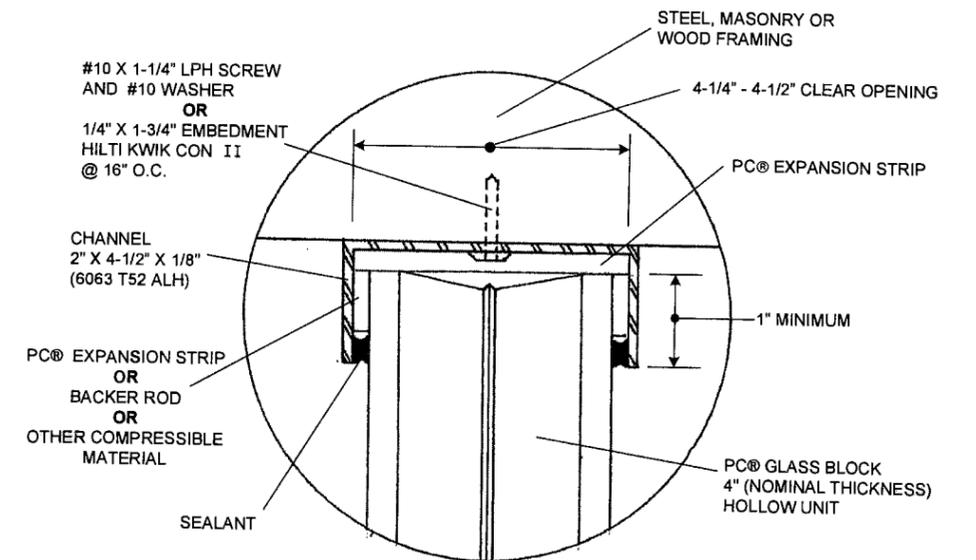
PITTSBURGH CORNING GLASS BLOCK HOLLOW UNITS (NOMINAL) 4" THICK					
SERIES	PATTERNS	NOMINAL DIMENSIONS	FACE THICKNESS	LARGE MISSILE IMPACT RESISTANT	SMALL MISSILE IMPACT RESISTANT
PREMIERE All 4" thick (nominal) Glass Block	All Patterns	12" X 12" X 4" and all other smaller face sizes	.187" (.375" for 12" X 12")	No	No
THICKSET®-60 All 4" thick (nominal) Glass Block	All Patterns	8" x 8" x 4" and all other smaller face sizes	.375"	No	No
THICKSET®-90 All 4" thick (nominal) Glass Block	All Patterns	8" x 8" x 4" and all other smaller face sizes	.750"	No	Yes Can be used without hurricane protection above 30 ft. from grade
INSOLAR™ All 4" thick (nominal) Glass Block (with inserts)	All Patterns	8" x 8" x 4" and all other smaller face sizes	.187"	No	No

**SPECIFICATIONS (For nominal 4" Thick Hollow Glass Block):**

- Glass Block Units:** 12" x 12" x 4" (nominal size) or smaller (face dimensions). Glass block thickness must be minimum 4" nominal (3-7/8" actual). Glass block units may be colored, may have fibrous glass inserts (LX inserts), may have glass inserts with coatings (INSOLAR™ Series), and may have metallic oxide coatings (Solar Reflective Coatings), as manufactured by Pittsburgh Corning Corporation.
- Mortar:** Type "S" per ASTM C270.
- Reinforcement:** Ladder Type, 9-gauge, 2" wide with butt-welded crosswires spaced at 16" o.c., hot-dipped galvanized or stainless steel, as available from Pittsburgh Corning Corporation. Placement is at horizontal joints (only) at a spacing of no more than 16" o.c. vertically. **Note:** Placement of reinforcing for 12" x 12" x 4" (nominal sized) glass block is at every horizontal joint.
- Panel Anchors:** Hot-dipped galvanized 20-gauge perforated steel strips, 24" long by 1-3/4" wide, or stainless steel 22-gauge perforated steel strips, 16" long by 1-3/4" wide, as available from Pittsburgh Corning Corporation. Placement is at both jamb and head locations, anchored with #10 x 1-1/4" long panhead screws with #10 washers (2 per panel anchor into wood frames) or (1) 3/16" diameter Hilti Kwik Con II (1" embedment depth into masonry or concrete) All **Spacing** to be no more than 16" o.c. **Note:** Placement of panel anchors for 12" x 12" x 4" (nominal sized) glass block is at every joint up both jambs and across the head. Embedment of panel anchors into mortar joints shall be at least 12 inches.
- Channels:** Aluminum (6063-T52ALH) 2" x 4-1/2" x 1/8", as available from Julius Blum & Co., Inc. (1-800-526-6293), or equal. Placement is at both jamb and head locations, anchored with (1) 1/4" diameter Hilti Kwik Con II (1-3/4" embedment depth into masonry or concrete) @ 16" o.c.
- Expansion Material:** Polyethylene type, 3/8" thick, as available from Pittsburgh Corning Corporation. Placed at both jamb and head locations.
- Sealant:** Silicone type. Placed at both jamb and head locations and on both exterior and interior sides.
- Asphalt Emulsion:** A water-based asphalt emulsion, by Karnak Chemical Corporation (Karnak 100, 1-800-526-4236), or equal.



**PANEL ANCHOR RESTRAINT  
DETAIL**



**CHANNEL RESTRAINT  
DETAIL**

Approved as complying with the  
Pittsburgh Corning Code  
Date: 08/09/2007  
By: PE 36806  
6/22/07

*Carole J. Hays*  
PE 36806  
6/22/07

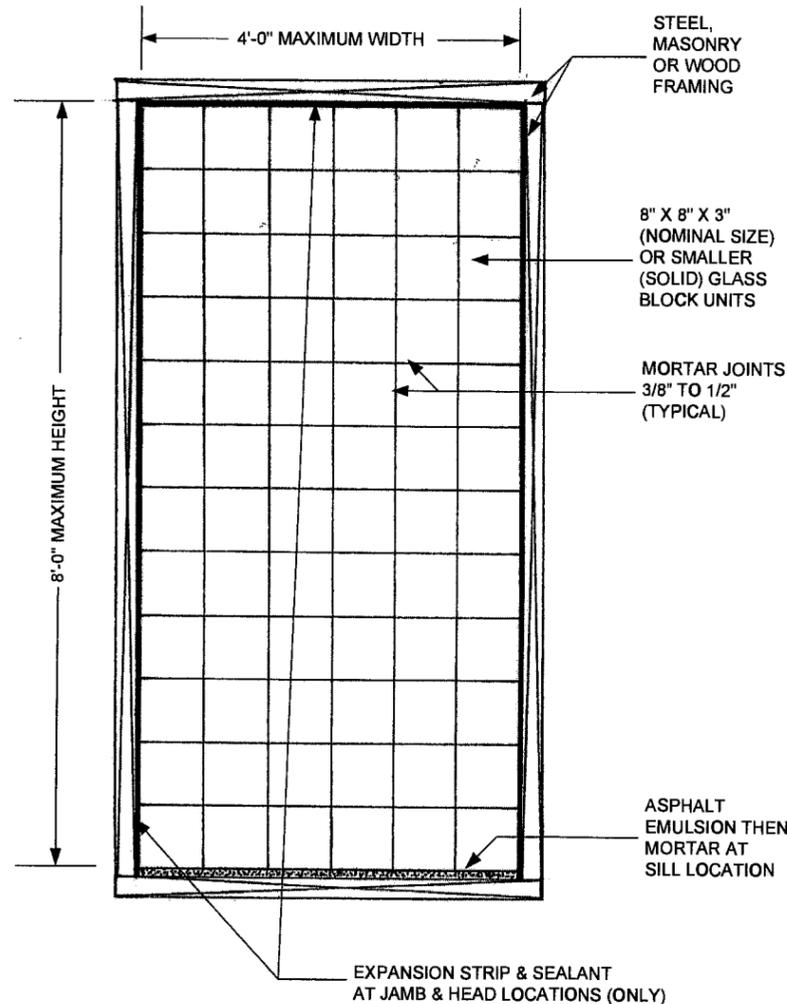
TITLE: GLASS BLOCK MORTAR SYSTEM: 4" THICK HOLLOW GLASS BLOCK						Pittsburgh Corning Corporation 800 Presque Isle Drive Pittsburgh, PA 15239	DWG. # <b>A</b>	SHEET 1 OF 3
DESIGN: N.T.L.	SCALE: N.T.S.	REV	①	②				
DRAWN: N.T.L.	DATE: 06-14-07	BY						
CHECK:	DATE:	DATE						

**PITTSBURGH CORNING GLASS BLOCK SOLID UNITS (NOMINAL) 3" THICK**

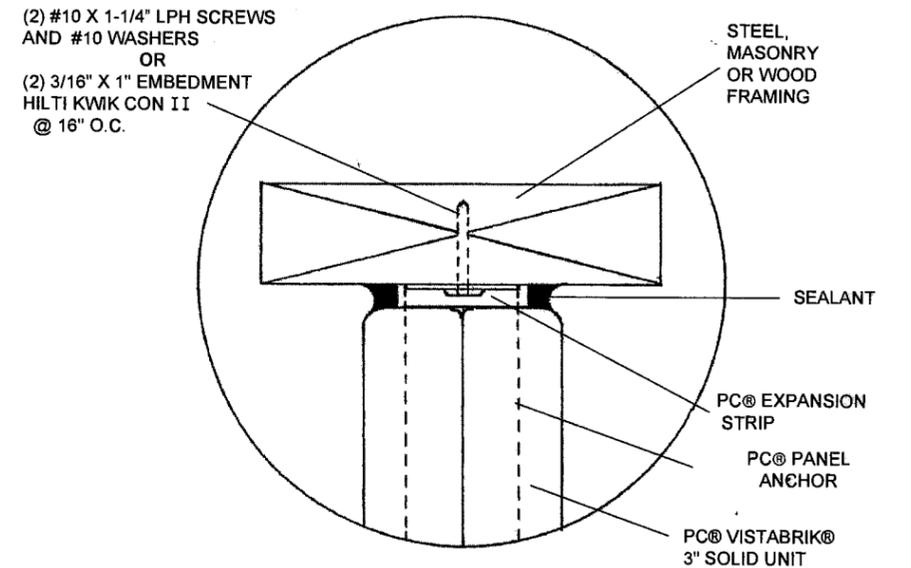
SERIES	PATTERNS	NOMINAL DIMENSIONS	FACE THICKNESS	LARGE MISSILE IMPACT RESISTANT	SMALL MISSILE IMPACT RESISTANT
VISTABRIK® Solid Units All 3" thick (nominal)	All Patterns	8" x 8" x 3" and all other smaller face sizes	3" (nominal) thick solid units	No	Yes Can be used without hurricane protection above 30 ft. from grade

**SPECIFICATIONS (For nominal 3" Thick Solid Glass Block):**

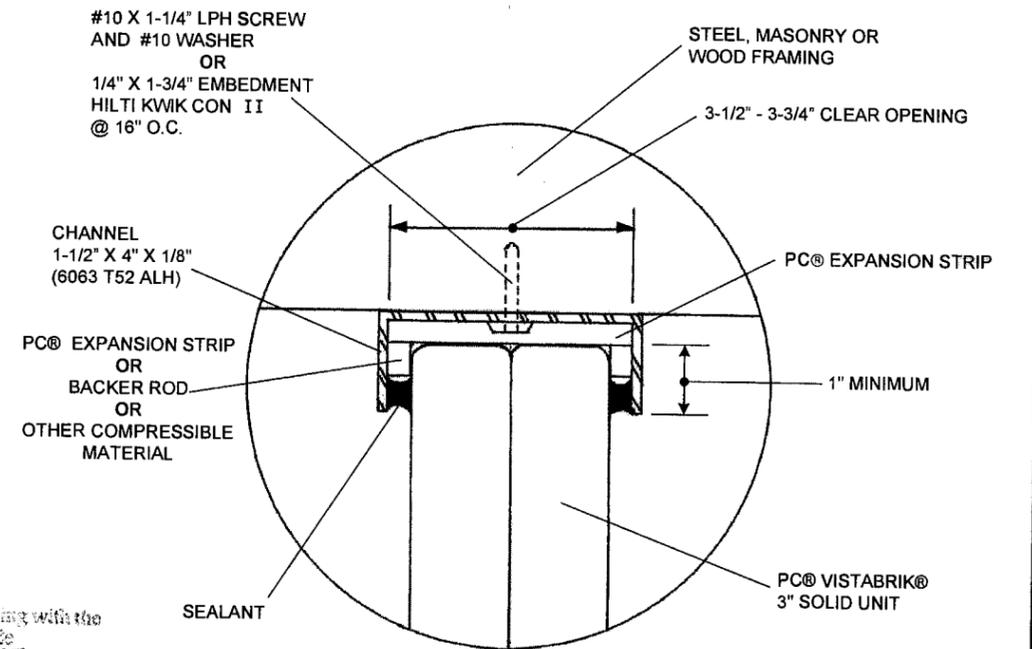
- Glass Block Units:** 8" x 8" x 3" (nominal size) or smaller (face dimensions). Solid glass block must be minimum 3" thick, as manufactured by Pittsburgh Corning Corporation.
- Mortar:** Type "S" per ASTM C270.
- Reinforcement:** Ladder Type, 9-gauge, 1-5/8" wide with butt-welded crosswires spaced at 16" o.c., hot-dipped galvanized or stainless steel, as available from Pittsburgh Corning Corporation. Placement is at horizontal joints (only) at a spacing of no more than 16" o.c. vertically.
- Panel Anchors:** Hot-dipped galvanized 20-gauge perforated steel strips, 24" long by 1-3/4" wide, or stainless steel 22-gauge perforated steel strips, 16" long by 1-3/4" wide, as available from Pittsburgh Corning Corporation. Placement is at both jamb and head locations, anchored with #10 x 1-1/4" long panhead screws with #10 washers (2 per panel anchor into wood frames) or (1) 3/16" diameter Hilti Kwik Con II (1" embedment depth into masonry or concrete) All **Spacing** to be no more than 16" o.c. Embedment of panel anchors into mortar joints shall be at least 12 inches.
- Channels:** Aluminum (6063-T52ALH) 1-1/2" x 4" x 1/8", as available from Julius Blum & Co., Inc. (1-800-526-6293), or equal. Placement is at both jamb and head locations, anchored with (1) 1/4" diameter Hilti Kwik Con II (1-3/4" embedment depth into masonry or concrete) @ 16" o.c.
- Expansion Material:** Polyethylene type, 3/8" thick, as available from Pittsburgh Corning Corporation. Placed at both jamb and head locations.
- Sealant:** Silicone type. Placed at both jamb and head locations and on both exterior and interior sides.
- Asphalt Emulsion:** A water-based asphalt emulsion, by Karnak Chemical Corporation (Karnak 100, 1-800-526-4236), or equal.



<b>DESIGN PRESSURE RATING</b>
+/- 80 PSF



**PANEL ANCHOR RESTRAINT  
DETAIL**



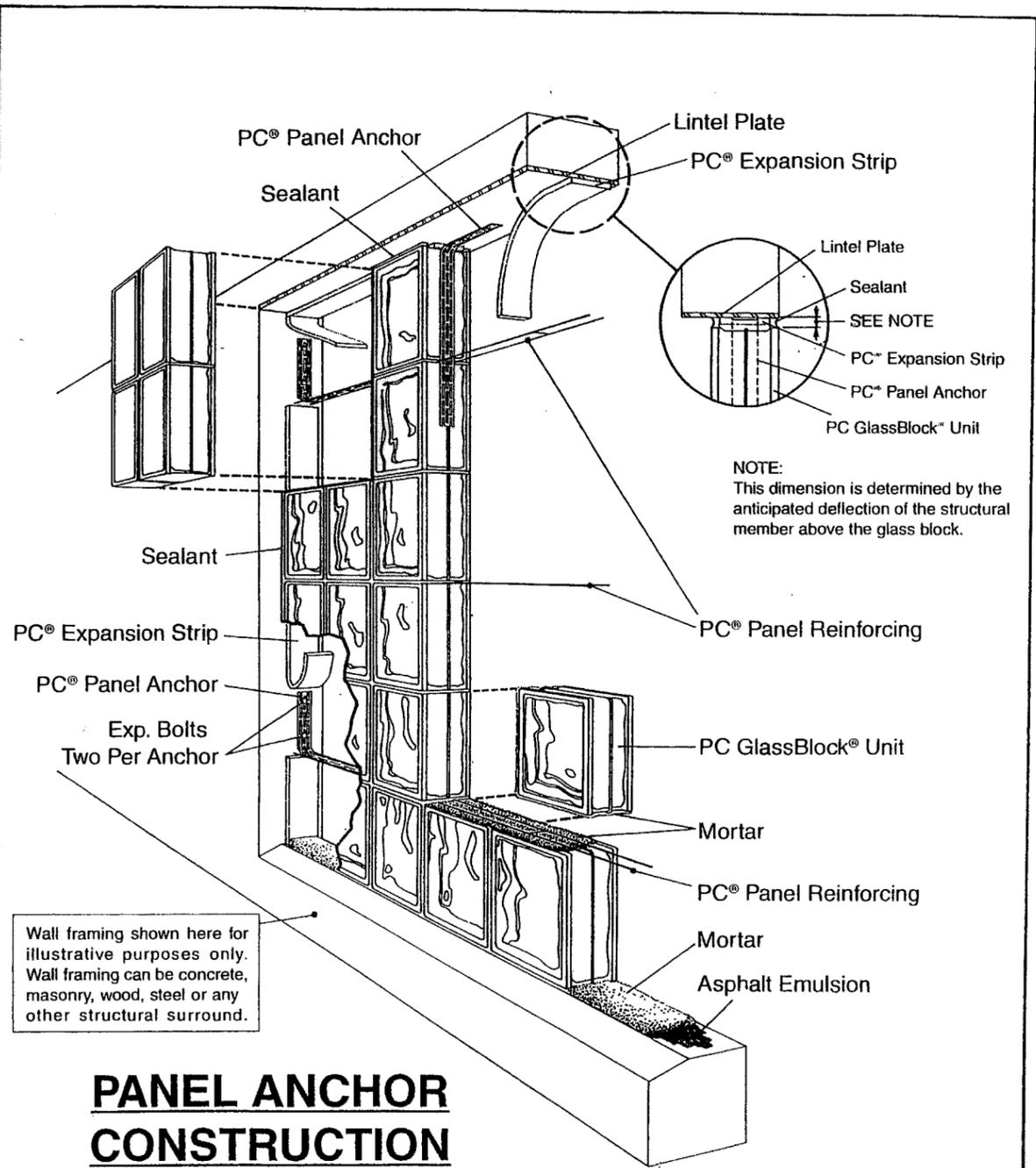
**CHANNEL RESTRAINT  
DETAIL**

Approved as complying with the  
Fire's Building Code  
Date 08/09/2007  
NOA# 07-0626-10  
Material Control  
Division  
By *[Signature]*

*Carle J. Hays  
PE 36806  
6/22/07*

**TITLE: GLASS BLOCK MORTAR SYSTEM: 3" THICK SOLID GLASS BLOCK**

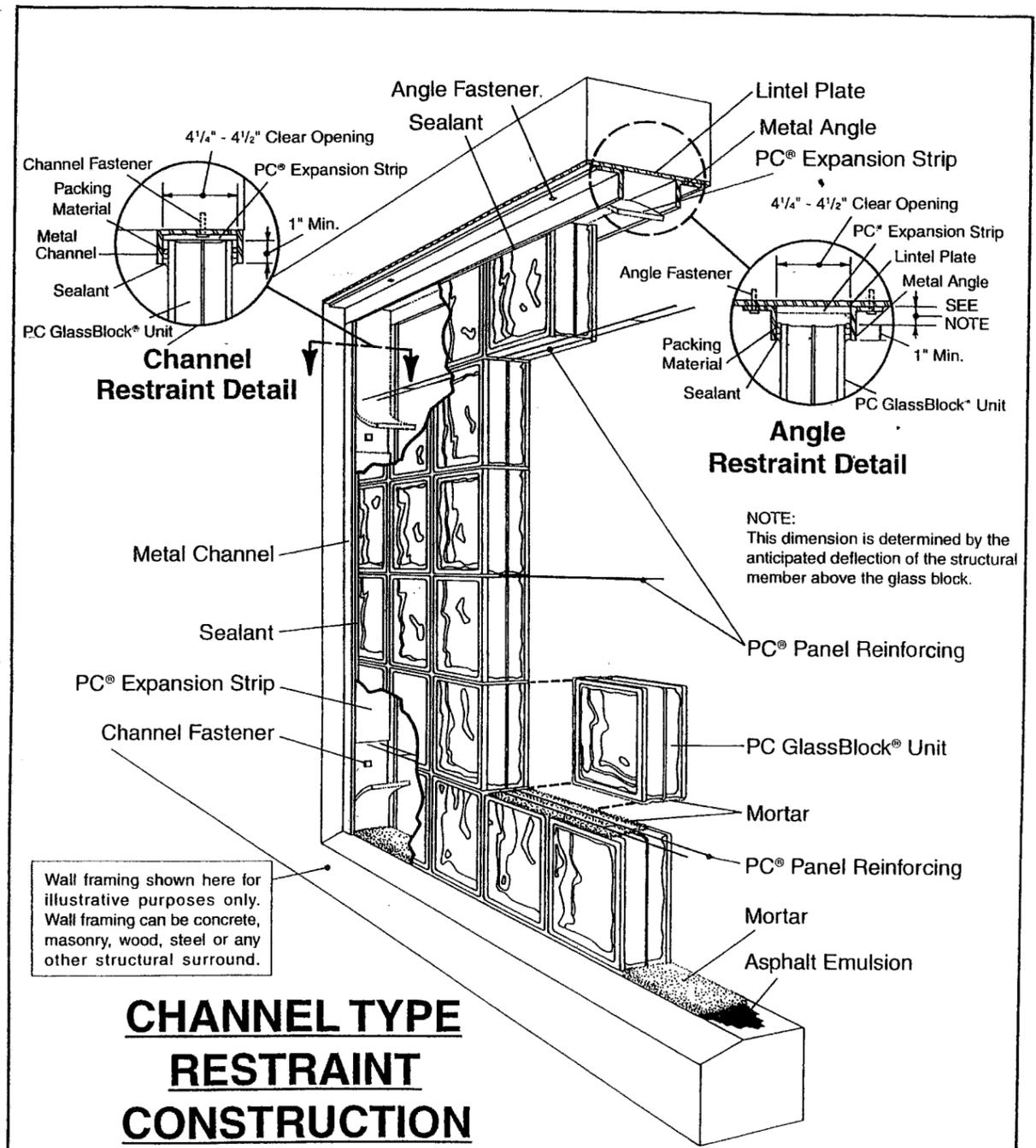
DESIGN: N.T.L.	SCALE: N.T.S.	REV	①	②	Pittsburgh Corning Corporation 800 Presque Isle Drive Pittsburgh, PA 15239	DWG. #	SHEET
DRAWN: N.T.L.	DATE: 06-14-07	BY				B	2
CHECK:	DATE:	DATE					
							3



Wall framing shown here for illustrative purposes only. Wall framing can be concrete, masonry, wood, steel or any other structural surround.

### PANEL ANCHOR CONSTRUCTION

**PITTSBURGH CORNING**  
800 Presque Isle Drive  
Pittsburgh, PA 15239-2799  
724-327-6100 • FAX 724-387-3806



Wall framing shown here for illustrative purposes only. Wall framing can be concrete, masonry, wood, steel or any other structural surround.

### CHANNEL TYPE RESTRAINT CONSTRUCTION

**PITTSBURGH CORNING**  
800 Presque Isle Drive  
Pittsburgh, PA 15239-2799  
724-327-6100 • FAX 724-387-3806

Approved as complying with the Florida Building Code  
Date 08/09/2007  
NOAH 07-0626-10  
Miami Data Product Control Division  
By *[Signature]*

*Case 2. Hays  
PE 36806  
6/22/07*

TITLE: GLASS BLOCK MORTAR SYSTEM: GENERIC CONSTRUCTION DETAILS – ISOMETRIC VIEWS						Pittsburgh Corning Corporation 800 Presque Isle Drive Pittsburgh, PA 15239	DWG. # <b>C</b>	SHEET 3 OF 3
DESIGN: N.T.L.	SCALE: N.T.S.	REV	①	②				
DRAWN: N.T.L.	DATE: 06-14-07	BY						
CHECK:	DATE:	DATE						