



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

Seves Glass Block, Inc.
10576 Broadview Road
Broadview Heights, OH 44147

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: 4” Thick Hollow and 3” Thick Solid Glass Block Systems with Mortar

APPROVAL DOCUMENT: Drawing No. **Mortar-001 Rev 1**, titled “Glass Block Mortar System 4” Thick Hollow and 3” Thick Solid Glass Block”, sheets 1 through 4 of 4, dated 03/16/2012 and last revised on 11/09/2020, prepared by the manufacturer, signed and sealed by Hermes F. Norero, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant (Thickset 90 and Vistabrik Series Only)

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 **revises NOA # 18-0725.05** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



Ishaq I. Chanda

NOA No. 20-1110.07
Expiration Date: August 9, 2022
Approval Date: February 25, 2021
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. **Evidence submitted under previous NOA's**
 - A. **DRAWINGS “Submitted under NOA # 15-0217.12”**
 1. Drawing No. **Mortar-001**, titled “Glass Block Mortar System 4” Thick Hollow and 3” Thick Solid Glass Block”, sheets 1 through 4 of 4, dated 03/16/2012 with revision 2 dated 11/18/2014, prepared by the manufacturer, signed and sealed by Hermes F. Norero, P.E.
 - B. **TESTS “Submitted under NOA # 07-0626.10”**
 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
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Premiere Series (4” thick) and Solid VISTABRIK (3” thick) Glass Block, prepared by Architectural Testing, Inc., Test Report No. **66795.01-109-18**, dated 06/19/2007, signed and sealed by Michael D. Stremmel, P.E.
 - C. **CALCULATIONS “Submitted under NOA # 12-0406.06”**
 1. Anchor calculations prepared by Building Drops, dated 04/03/2012, signed and sealed by Hermes F. Norero, P.E.

“Submitted under NOA # 07-0626.10”
 2. Channel and Fastener Calculations, prepared by Engineering Analytics, Inc., dated 06/11/2007, signed and sealed by Carol D. Hays, Ph.D., P.E.
 - D. **QUALITY ASSURANCE**
 1. Miami-Dade Department of Regulatory and Economic Resources (RER)
 - E. **MATERIAL CERTIFICATIONS**
 1. None.
 - F. **STATEMENTS “Submitted under NOA # 15-0217.12”**
 1. Statement letter of code conformance to the 5th edition (2014) of the FBC and of no financial interest issued by Building Drops, dated 10/10/2014, signed and sealed by Hermes F. Norero, P.E.

“Submitted under NOA # 12-0406.06”
 2. Statement letter of code conformance to 2010 FBC and of no financial interest, issued by Building Drops, dated 04/03/2012, signed and sealed by Hermes F. Norero, P.E.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1110.07
Expiration Date: August 9, 2022
Approval Date: February 25, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under NOA # 17-0821.13

A. DRAWINGS

1. Drawing No. **Mortar-001**, titled "Glass Block Mortar System 4" Thick Hollow and 3" Thick Solid Glass Block", sheets 1 through 4 of 4, dated 03/16/2012, prepared by the manufacturer, signed and sealed by Hermes F. Norero, P.E. on 04/25/2017.

B. TESTS

1. None.

C. CALCULATIONS

1. Product Evaluation Report No. 4741, prepared by Building Drops, dated 04/12/2017, 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. None.

F. STATEMENTS

1. Statement letter of code conformance to the 6th Edition (2017) FBC issued by Building Drops, dated 12/15/2017, signed and sealed by Hermes F. Norero, P.E.
2. Testing schedule letter issued by Intertek, dated 12/08/2017, signed by Vicki L. McElwain.
3. Agreement and bill of sale dated 08/24/2016.
4. Declaration of the ownership dated 12/01/2016.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1110.07
Expiration Date: August 9, 2022
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. Evidence submitted under previous approval

A. DRAWINGS

1. None.

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
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of Premiere Series (4" thick) and Glass Block Window, prepared by Intertek, Test Report No. **H8798.01-109-18**, dated 06/04/2018, signed and sealed by Joseph A. Reed, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 6th Edition (2017) FBC issued by Building Drops, dated 12/15/2017, signed and sealed by Hermes F. Norero, P.E.
2. Testing schedule letter issued by Intertek, dated 12/08/2017, signed by Vicki L. McElwain.
3. Agreement and bill of sale dated 08/24/2016.
4. Declaration of the ownership dated 12/01/2016.

G. OTHERS

1. Test proposal No. **17-0913**.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1110.07
Expiration Date: August 9, 2022
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. New evidence submitted

A. DRAWINGS

1. Drawing No. **Mortar-001 Rev 1**, titled "Glass Block Mortar System 4" Thick Hollow and 3" Thick Solid Glass Block", sheets 1 through 4 of 4, dated 03/16/2012 and last revised on 11/09/2020, prepared by the manufacturer, signed and sealed by Hermes F. Norero, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

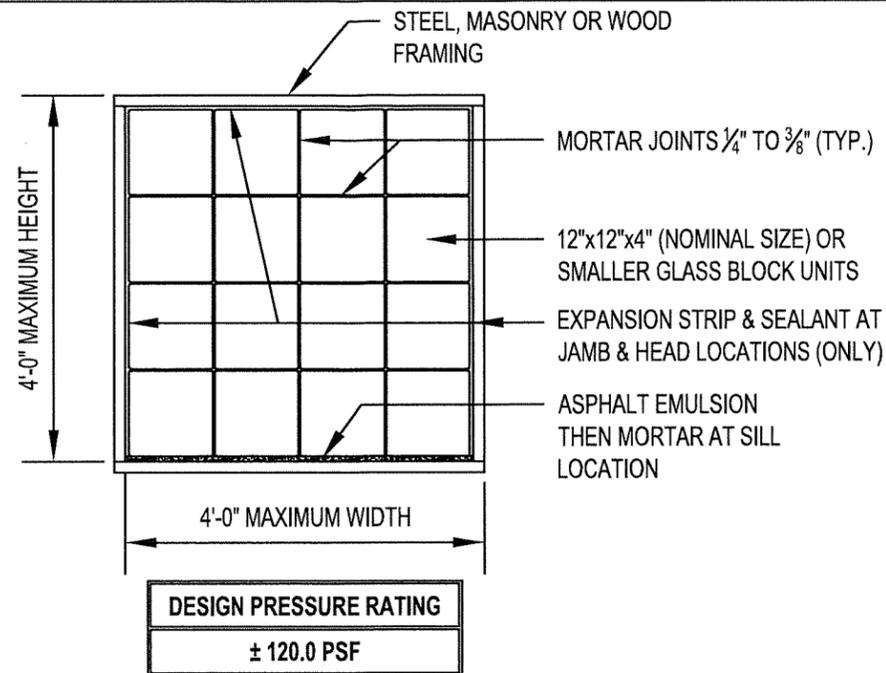
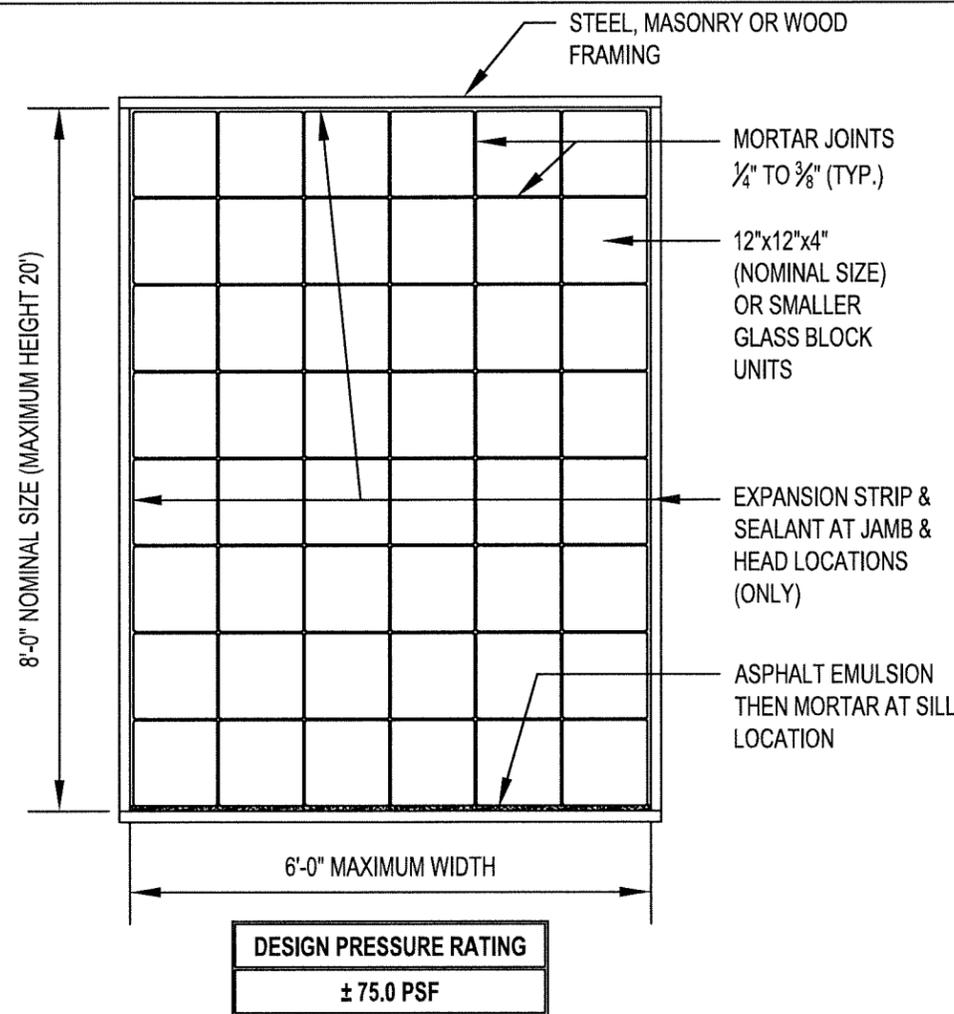
1. Statement letter of code conformance to the 7th Edition (2020) FBC issued by Building Drops, dated 11/09/2020, signed and sealed by Hermes F. Norero, P.E.
2. Agreement and bill of sale dated 08/24/2016 (submitted under previous approval).
3. Declaration of the ownership dated 12/01/2016 (submitted under previous approval)

G. OTHERS

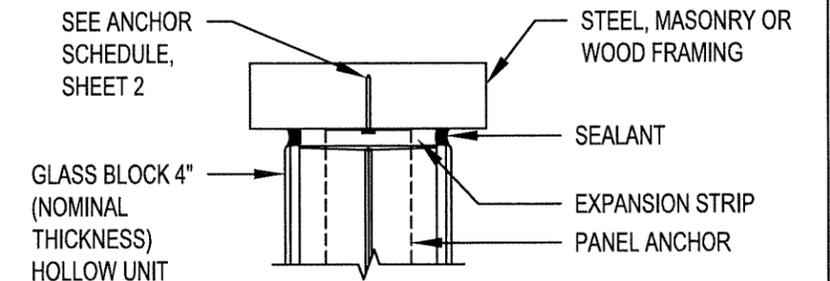
1. This NOA revises NOA# **18-0725.05**, 08/09/2022.

Ishaq I. Chanda

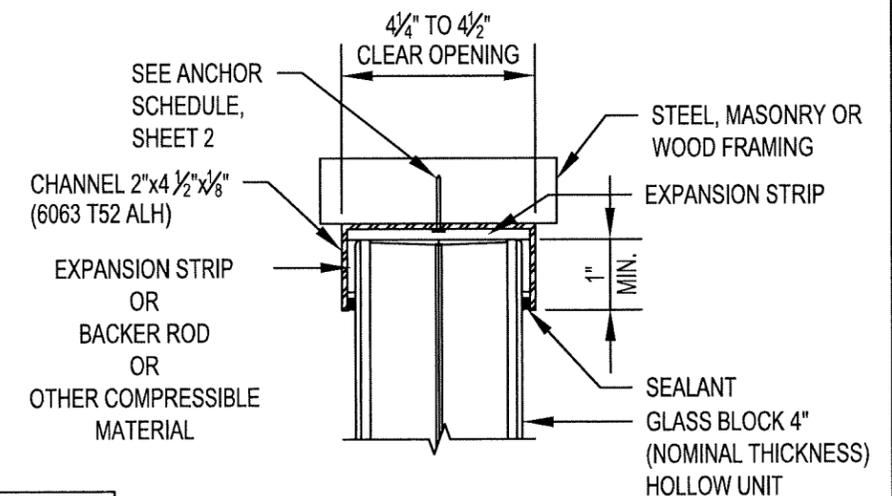
Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1110.07
Expiration Date: August 9, 2022
Approval Date: February 25, 2021



| REVISIONS | | |
|-----------|---------------------|-----------|
| REV | DESCRIPTION | DATE |
| 1 | 2020 FBC NOTE ADDED | 6/29/2020 |



**PANEL ANCHOR RESTRAINT
DETAIL**
SCALE: 3" = 1'-0"

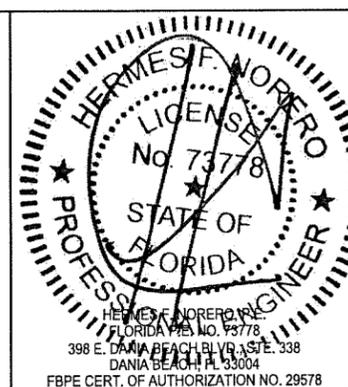


**CHANNEL RESTRAINT
DETAIL**
SCALE: 3" = 1'-0"

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1110.07
Expiration Date 08/09/2022
By *Ismael I. Chanik*
Miami-Dade Product Control

GENERAL NOTES:
1. THESE PRODUCTS HAVE BEEN TESTED TO HVHZ PROTOCOLS
TAS 201, 202, & 203-94 AND COMPLY WITH THE 2020 (7TH EDITION)
FLORIDA BUILDING CODE.

Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2020.11.09 10:27:43 +01'00'



| | | | |
|--|-----------------|--------------|--|
| TITLE | | | |
| Glass Block Mortar System 4" Thick Hollow Glass Block | | | |
| SEVES GLASS BLOCK, INC. 10576 BROADVIEW ROAD BROADVIEW HEIGHTS, OH 44147 | | | |
| SCALE | DWG. NO. | REV | |
| 1/2" = 1'-0" | MORTAR-001 | 1 | |
| BY LMS | DATE 03/16/2012 | SHEET 1 OF 4 | |

| SEVES GLASS BLOCK HOLLOW UNITS (NOMINAL) 4" THICK | | | | | |
|--|--------------|---|--------------------------------------|--------------------------------|---|
| SERIES | PATTERNS | NOMINAL DIM. | FACE THICKNESS | LARGE MISSILE IMPACT RESISTANT | SMALL MISSILE IMPACT RESISTANT |
| PREMIERE All 4" thick (nominal) Glass Block | All patterns | 12"x12"x4" and all other smaller face sizes | 0.187" (0.375" for 12"x12") | No | No |
| THICKSET® 60 All 4" thick (nominal) Glass Block | All patterns | 8"x8"x4" and all other smaller face sizes | 0.375" | No | No |
| THICKSET® 90 All 4" thick (nominal) Glass Block | All patterns | 8"x8"x4" and all other smaller face sizes | 0.750" | No | Yes Can be used without hurricane protection above 30 ft. from grade |
| ENERGY SAVINGS All 4" thick (nominal) Glass Block (with inserts) | All patterns | 8"x8"x4" and all other smaller face sizes | 0.187" (With 0.125" glass insert) | No | No |

SPECIFICATIONS (FOR NOMINAL 4" THICK HOLLOW GLASS BLOCK):

- **GLASS BLOCK UNITS:** 12"x12"x4" (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 glass inserts with coatings (Energy Savings Glass Block), and may have metallic oxide coatings (Solar Reflective Coatings), as manufactured by Seves Glass Block.
- **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 Seves Glass Block Inc. Placement is at horizontal joints (only) at a spacing of no more than 16" o.c. vertically. **Note:** Placement of reinforcing for 12"x12"x4" (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 Seves Glass Block. Placement is at both jamb and head locations. See anchor schedule for specific anchor types and spacing. **Note:** Placement of panel anchors for 12"x12"x4" (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"x4 1/2"x1/8", as available from Julius Blum & Co., Inc. (1-800-526-6293), or equal. Placement is at both jamb and head locations. See anchor schedule for specific anchor types and spacing.
- **EXPANSION MATERIAL:** Polyethylene type, 3/8" thick, as available from Seves Glass Block. 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.

| REVISIONS | | |
|-----------|---------------------|-----------|
| REV | DESCRIPTION | DATE |
| 1 | 2020 FBC NOTE ADDED | 6/29/2020 |

REQUIRED MINIMUM ANCHOR SPACING

| SIZE | DESIGN PRESSURE | ALUMINUM ANGLE / CHANNEL SPACING | | STEEL PANEL ANCHOR SPACING | |
|---------|-----------------|----------------------------------|---------------------------------|--|--|
| | | HEAD | JAMBS | HEAD | JAMBS |
| 48"x48" | +120/-120 PSF | 2" FROM CORNER, 16" O.C. | 2" FROM CORNER, 11" O.C. | MAX. 16" O.C. (MIN. (2) ANCHORS PER LOCATION) | MAX. 16" O.C. (MIN. (2) ANCHORS PER LOCATION) |
| 48"x96" | +80/-80 PSF | 2" FROM CORNER, 16" O.C. | 2" FROM CORNER, 16" O.C. | MAX. 16" O.C. (MIN. (2) ANCHORS PER LOCATION) | MAX. 16" O.C. (MIN. (2) ANCHORS PER LOCATION) |
| 72"x96" | +75/-75 PSF | 2" FROM CORNER, 16" O.C. | 2" FROM CORNER, 11 1/2" O.C. | MAX. 16" O.C. (MIN. (2) ANCHORS PER LOCATION) | MAX. 16" O.C. (MIN. (2) ANCHORS PER LOCATION) |

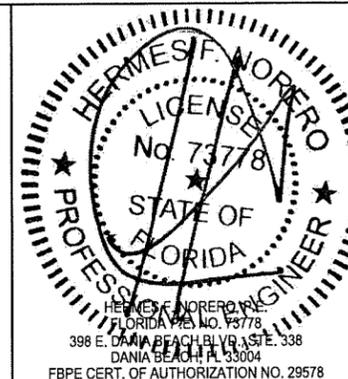
ANCHORAGE SCHEDULE

| SUBSTRATE | MATERIAL DATA | FASTENER | MIN. EMBEDMENT (E) | MIN. EDGE DISTANCE (E.D.) |
|-----------|--|--|---|---------------------------|
| STEEL | MIN. 18 GA. f _y = 33 KSI | #10 SDS SAE GR. 5 SCREW (FLAT HEAD) | 3 THREADS PENETRATION BEYOND STEEL FRAMING | N/A |
| CONCRETE | MIN. f _c = 3000 PSI | 3/16" Ø HILTI KWIK CON II (FLAT HEAD) | 1" | 2 1/2" |
| MASONRY | CONFORMS TO ASTM C90 GROUT CONFORMS TO ASTM C476 MIN. GROUT f _c = 2000 PSI | 3/16" Ø HILTI KWIK CON II (FLAT HEAD) | 1" | 2 1/2" |
| WOOD | MIN. S.G. = 0.55 | #10 WOOD SCREW (FLAT HEAD) | 1 1/2" | 3/4" |

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1110.07

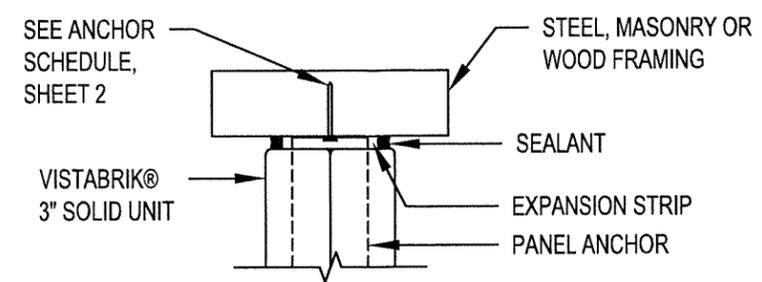
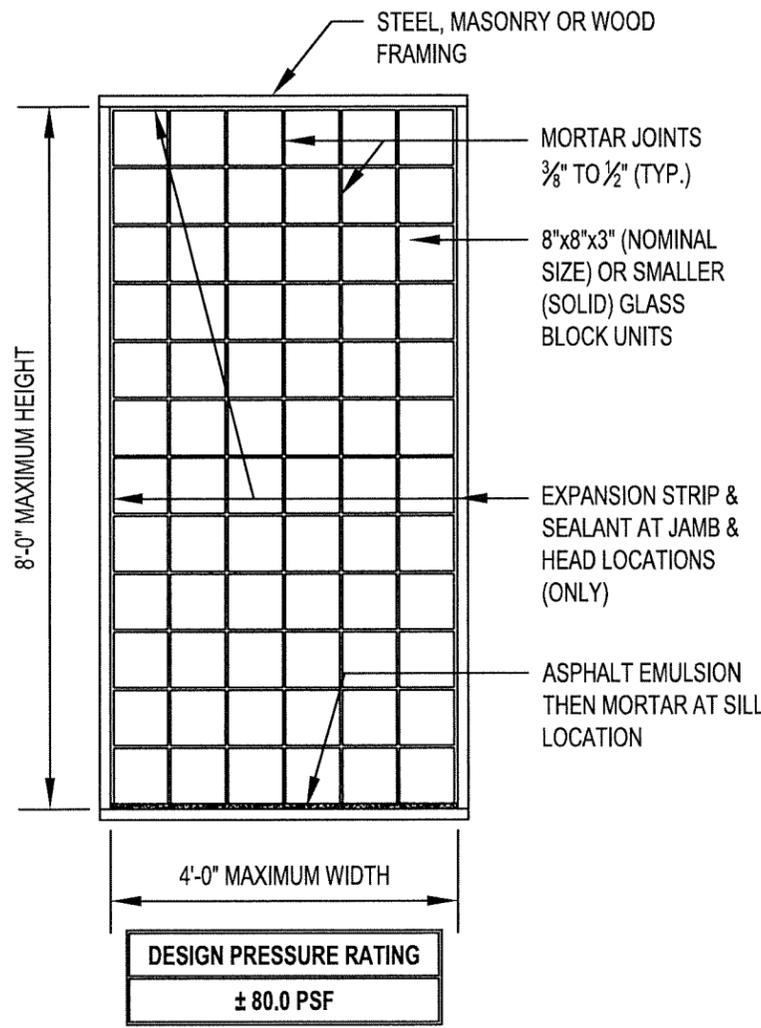
Expiration Date 08/09/2022

By Ishag I. Chank
Miami-Dade Product Control

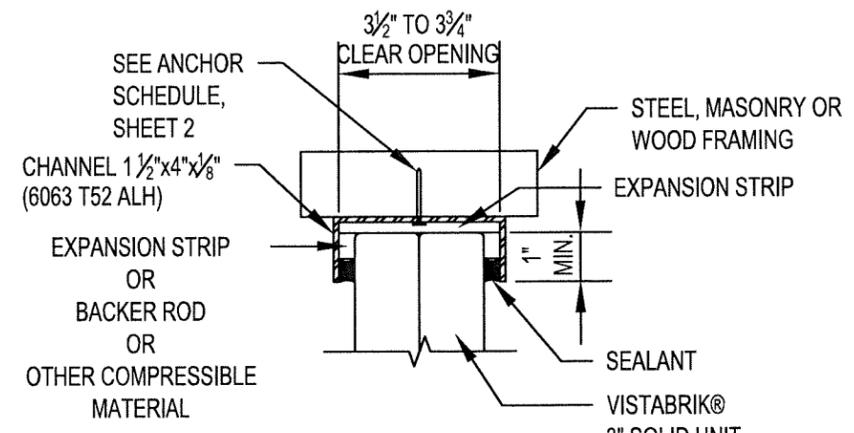


| | | | |
|--|------------------------|-----------------|--|
| TITLE Glass Block Mortar System 4" Thick Hollow Glass Block | | | |
| SEVES GLASS BLOCK, INC. 10576 BROADVIEW ROAD BROADVIEW HEIGHTS, OH 44147 | | | |
| SCALE 1/2" = 1'-0" | DWG. NO. MORTAR-001 | REV 1 | |
| BY LMS | DATE 03/16/2012 | SHEET 2 OF 4 | |

| REVISIONS | | |
|-----------|---------------------|-----------|
| REV | DESCRIPTION | DATE |
| 1 | 2020 FBC NOTE ADDED | 6/29/2020 |



**PANEL ANCHOR RESTRAINT
DETAIL**
SCALE: 3" = 1'-0"



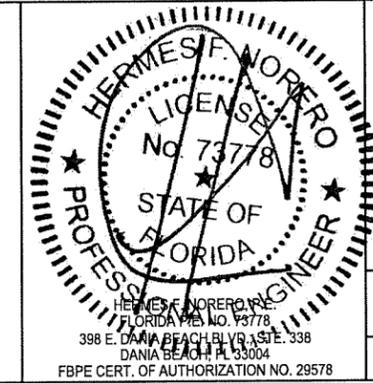
**CHANNEL RESTRAINT
DETAIL**
SCALE: 3" = 1'-0"

SPECIFICATIONS (FOR NOMINAL 3" THICK SOLID GLASS BLOCK):

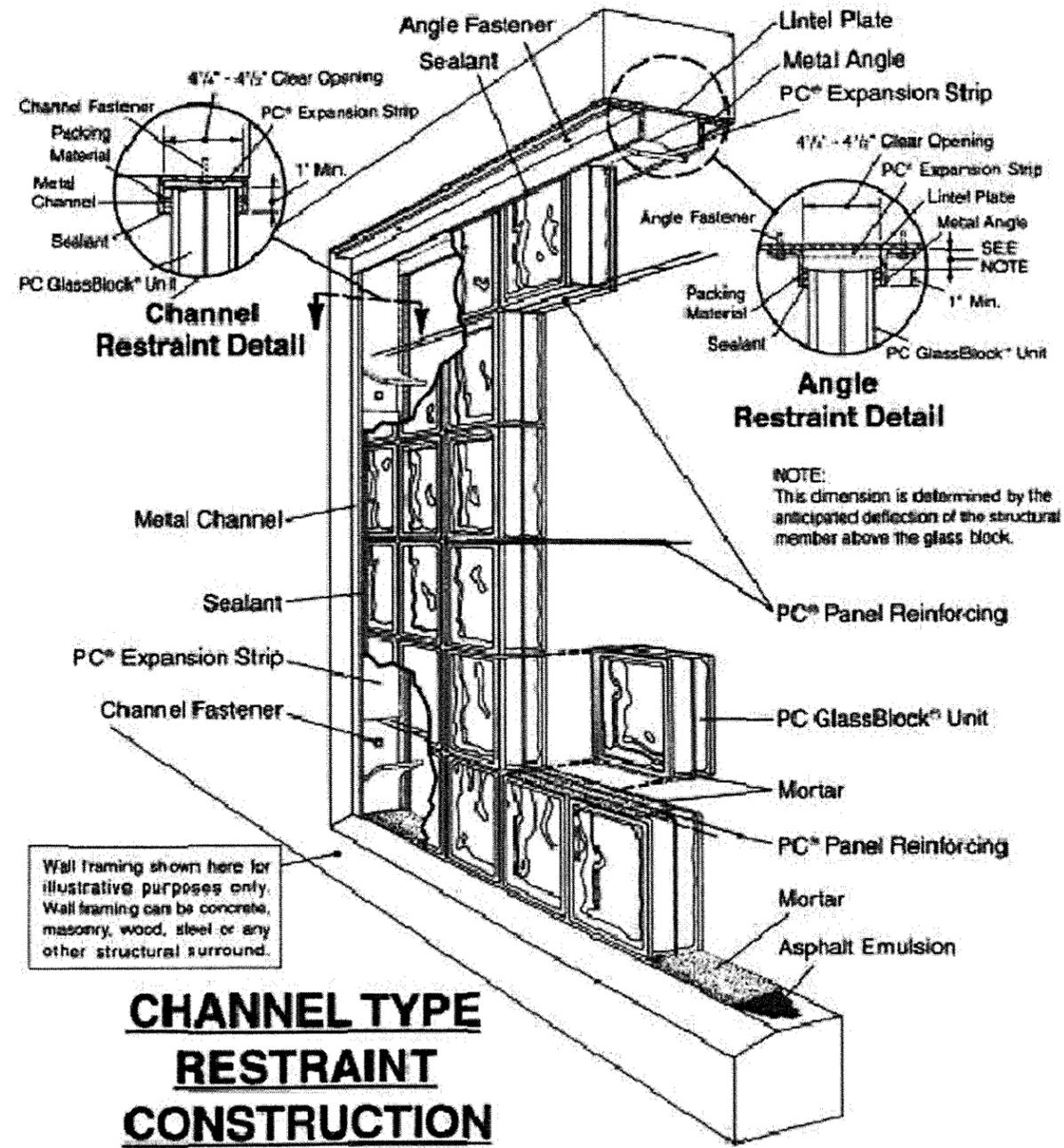
- GLASS BLOCK UNITS:** 8"x8"x3" (nominal size) or smaller (face dimensions). Solid glass block must be minimum 3" thick, as manufactured by Seves Glass Block.
- MORTAR:** Type "S" per ASTM C270.
- REINFORCEMENT:** Ladder Type, 9-gauge, 1 5/8" wide with butt-welded crosswires spaced at 16" o.c., hot-dipped galvanized or stainless steel, as available from Seves Glass Block Inc. 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 Seves Glass Block. Placement is at both jamb and head locations. See anchor schedule for specific anchor types and spacing. Embedment of panel anchors into mortar joints shall be at least 12 inches.
- CHANNELS:** Aluminum (6063-T52ALH) 1 1/2"x4"x1/8", as available from Julius Blum & Co., Inc. (1-800-526-6293), or equal. Placement is at both jamb and head locations. See anchor schedule for specific anchor types and spacing.
- EXPANSION MATERIAL:** Polyethylene type, 3/8" thick, as available from Seves Glass Block. 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.

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-1110.07
Expiration Date 08/09/2022
By Ismael L. Chanik
Miami-Dade Product Control

| SEVES GLASS BLOCK INC. SOLID UNITS (NOMINAL) 3" THICK | | | | | |
|---|--------------|---|--------------------------------|--------------------------------|---|
| SERIES | PATTERNS | NOMINAL DIM. | FACE THICKNESS | LARGE MISSILE IMPACT RESISTANT | SMALL MISSILE IMPACT RESISTANT |
| VISTABRIK® Solid Units All 3" thick (nominal) | All patterns | 8"x8"x3" and all other smaller face sizes | 3" (nominal) thick solid units | No | Yes Can be used without hurricane protection above 30 ft. from grade |



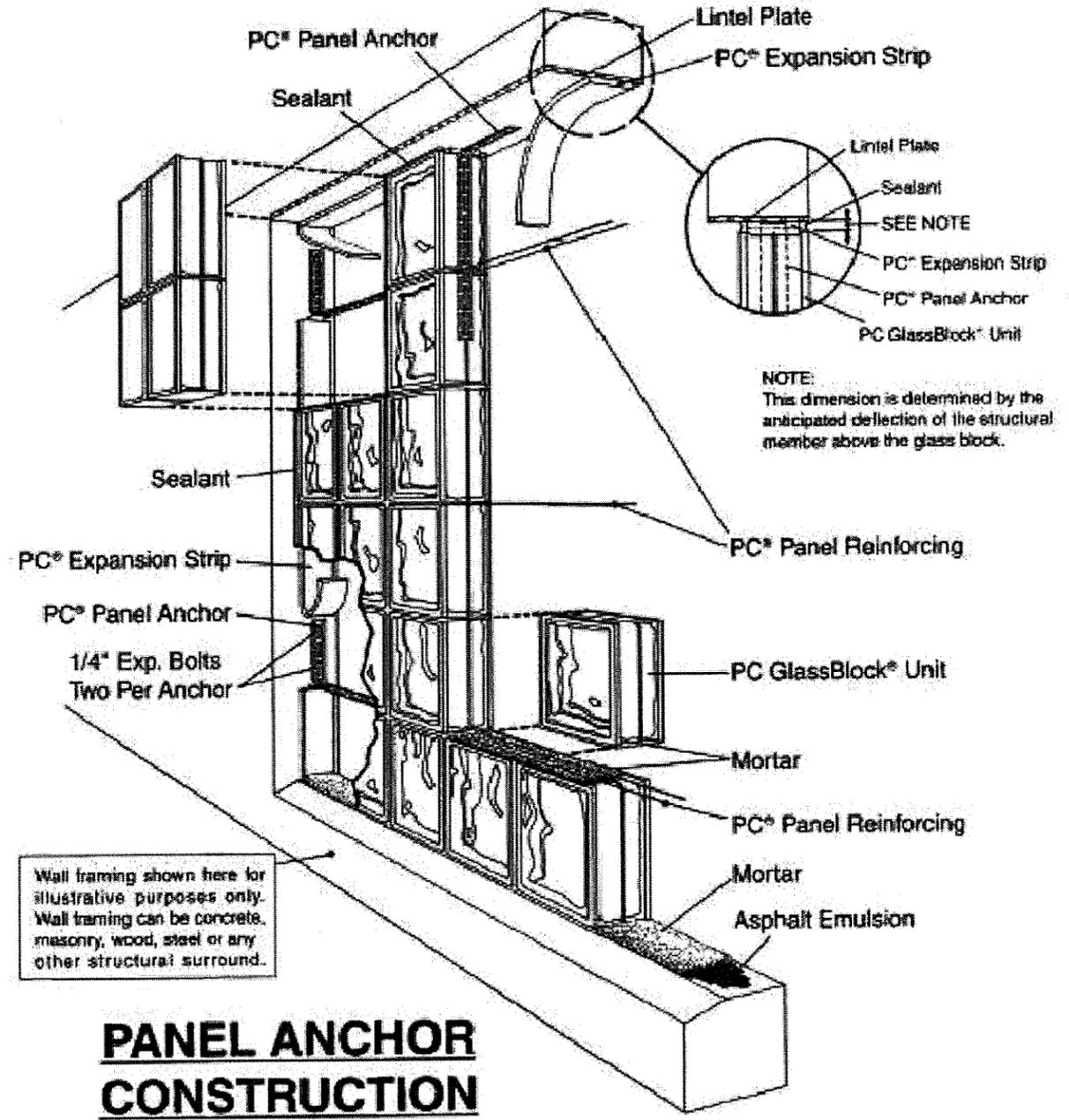
| | | | |
|--|------------------------|-----------------|--|
| TITLE Glass Block Mortar System 3" Thick Solid Glass Block | | | |
| SEVES GLASS BLOCK, INC. 10576 BROADVIEW ROAD BROADVIEW HEIGHTS, OH 44147 | | | |
| SCALE 1/2" = 1'-0" | DWG. NO. MORTAR-001 | REV 1 | |
| BY LMS | DATE 03/16/2012 | SHEET 3 OF 4 | |



**CHANNEL TYPE
RESTRAINT
CONSTRUCTION**

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

NOTE:
This dimension is determined by the anticipated deflection of the structural member above the glass block.



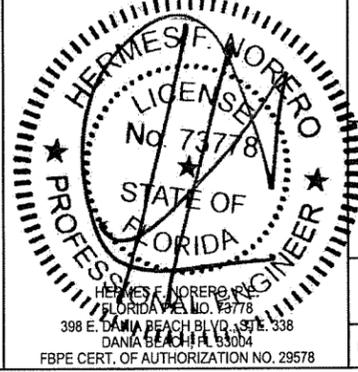
**PANEL ANCHOR
CONSTRUCTION**

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

NOTE:
This dimension is determined by the anticipated deflection of the structural member above the glass block.

| REVISIONS | | |
|-----------|---------------------|-----------|
| REV | DESCRIPTION | DATE |
| 1 | 2020 FBC NOTE ADDED | 6/29/2020 |

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-1110.07
Expiration Date 08/09/2022
By *Iskay I. Chank*
Miami-Dade Product Control



| | | | |
|--|--------|----------|------------|
| TITLE | | | |
| Glass Block Mortar System Generic Construction Details - Isometric Views | | | |
| SEVES GLASS BLOCK, INC. 10576 BROADVIEW ROAD BROADVIEW HEIGHTS, OH 44147 | | | |
| SCALE | NTS | DWG. NO. | MORTAR-001 |
| BY | LMS | DATE | 03/16/2012 |
| SHEET | 4 OF 4 | REV | 1 |