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Product Approval
USER: Public User

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 Application Detail

FL # FL25879
Application Type New
Code Version 2017
Application Status Approved

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

Comments
 Archived

Product Manufacturer Seves Glass Block, Inc. (Formally known as Pittsburgh Corning Corp.)
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 tony.kava@sevesglassblock.com

Authorized Signature Anton Kava
 tony.kava@sevesglassblock.com

Technical Representative
Address/Phone/Email

Quality Assurance Representative
Address/Phone/Email

Category Windows
Subcategory Fixed

Compliance Method Certification Mark or Listing

Certification Agency National Accreditation & Management Institute
Validated By National Accreditation & Management Institute

Referenced Standard and Year (of Standard)	<u>Standard</u>	<u>Year</u>
	TAS 201	1994
	TAS 202	1994
	TAS 203	1994

Equivalence of Product Standards
Certified By

Product Approval Method Method 1 Option A

Date Submitted 01/29/2018
 Date Validated 01/30/2018
 Date Pending FBC Approval
 Date Approved 02/06/2018

Summary of Products

FL #	Model, Number or Name	Description
25879.1	4" Thick Hollow and 3" Solid Glass Block Systems with Mortar	HVHZ Rated Glass Block Fixed Window
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Refer to Installation Instructions and Product Evaluation Report for allowable design pressures, sizes, configurations, installation requirements and limits of use.		Certification Agency Certificate FL25879_R0_C_CAC_NI013848.01-R1.pdf FL25879_R0_C_CAC_NI013848.02-R1.pdf FL25879_R0_C_CAC_NI013848.03-R1.pdf FL25879_R0_C_CAC_NI013848.04-R1.pdf FL25879_R0_C_CAC_NI013848-R1.pdf Quality Assurance Contract Expiration Date 09/30/2019 Installation Instructions FL25879_R0_II_MORTAR-001_SS_2017-12-12.pdf Verified By: Hermes F. Norero, P.E. Florida P.E. 73778 Created by Independent Third Party: Yes Evaluation Reports FL25879_R0_AE_PER4812_SS_2017-12-12.pdf Created by Independent Third Party: Yes

[Back](#) [Next](#)

Contact Us :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

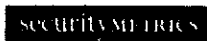
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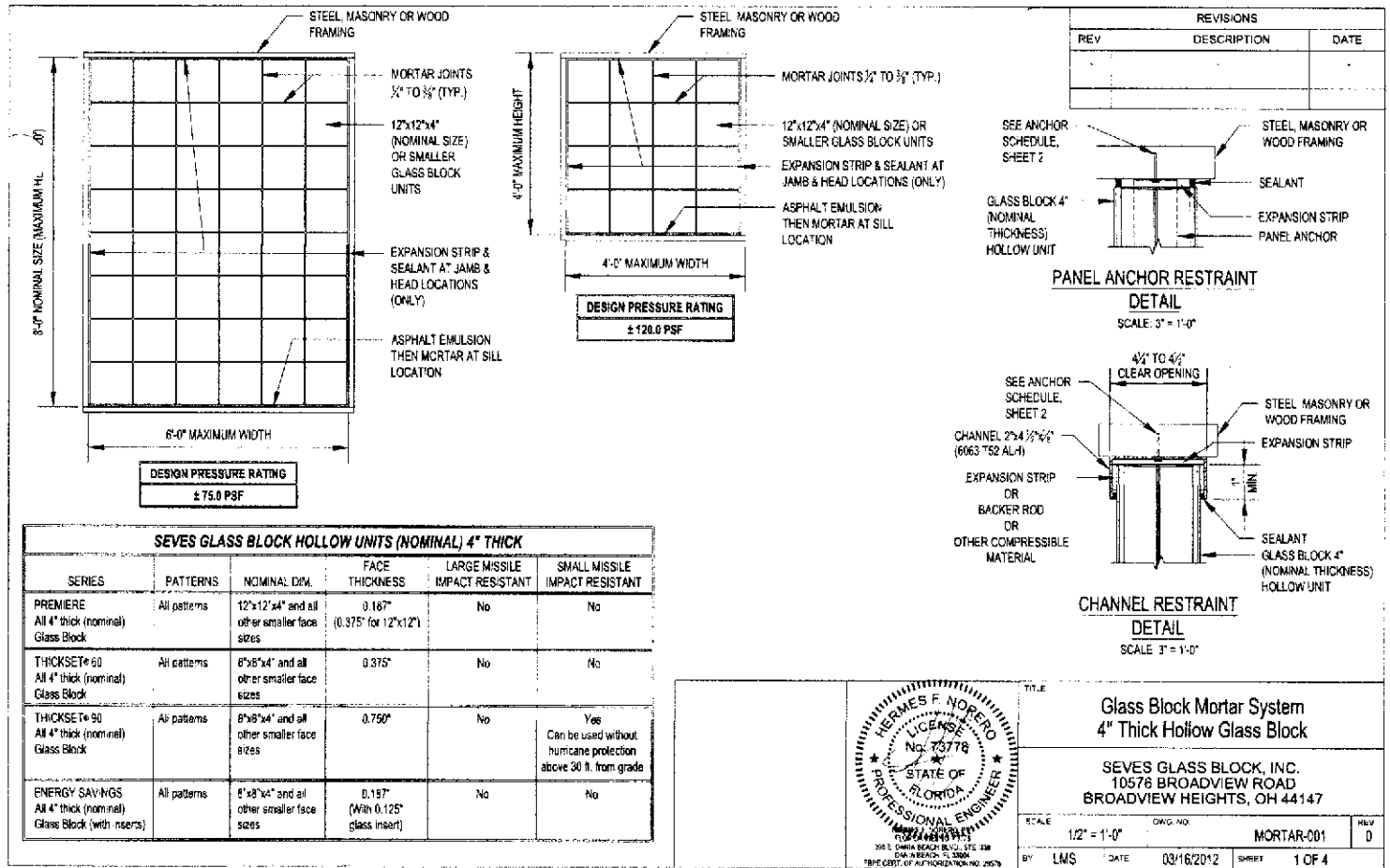
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Product Approval Accepts:



Credit Card
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REVISIONS		
REV	DESCRIPTION	DATE

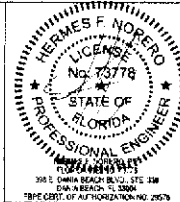
DESIGN PRESSURE RATING
± 75.0 PSF

DESIGN PRESSURE RATING
± 120.0 PSF

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

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

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" 5/8" and all other smaller face sizes	0.167" (0.375" for 12"x12")	No	No
THICKSET® 60 All 4" thick (nominal) Glass Block	All patterns	8"x8" 5/8" and all other smaller face sizes	0.375"	No	No
THICKSET® 90 All 4" thick (nominal) Glass Block	All patterns	8"x8" 5/8" and all other smaller face sizes	0.750"	No	Yes Can be used without hurricane protection above 30 ft. from grade
ENERGY SAVING All 4" thick (nominal) Glass Block (with inserts)	All patterns	8"x8" 5/8" and all other smaller face sizes	0.157" (With 0.125" glass insert)	No	No



TITLE: **Glass Block Mortar System
4" Thick Hollow Glass Block**

SEVES GLASS BLOCK, INC.
10578 BROADVIEW ROAD
BROADVIEW HEIGHTS, OH 44147

SCALE: 1/2" = 1'-0" DWG. NO: MORTAR-001 REV: 0

BY: LMS DATE: 03/16/2012 SHEET: 1 OF 4

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 built-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 1/2" wide, or stainless steel 22-gauge perforated steel strips, 18" long by 1 1/2" 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"x1/4", 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 Kemak Chemical Corporation (Kemak 100, 1-800-526-4236), or equal.

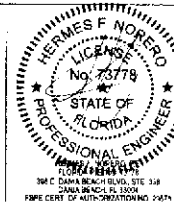
REVISIONS		
REV	DESCRIPTION	DATE

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	3/4" Ø H.L.T.I. KWIK CON II (FLAT HEAD)	1"	2 1/2"
MASONRY	CONFORMS TO ASTM C90 GROUT CONFORMS TO ASTM C478 MIN. GROUT F _c = 2000 PSI	3/4" Ø H.L.T.I. 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"

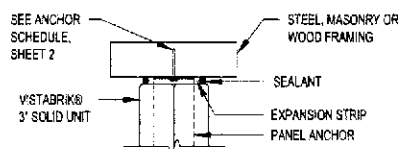
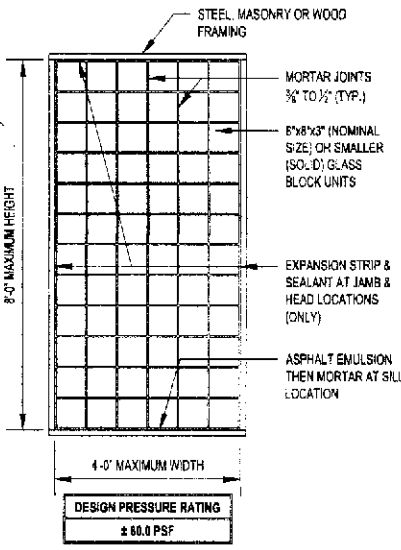


**Glass Block Mortar System
4" Thick Hollow Glass Block**

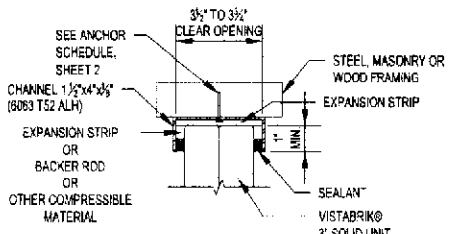
SEVES GLASS BLOCK, INC.
10576 BROADVIEW ROAD
BROADVIEW HEIGHTS, OH 44147

SCALE	1/2" = 1'-0"	DWG. NO.	MORTAR-001	REV	0
BY	LMS	DATE	03/16/2012	SHEET	2 OF 4

REVISIONS		
REV	DESCRIPTION	DATE



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

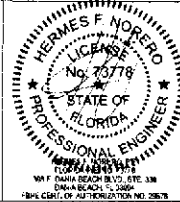


**CHANNEL RESTRAINT
DETAIL**
SCALE: 3" = 1'-0"

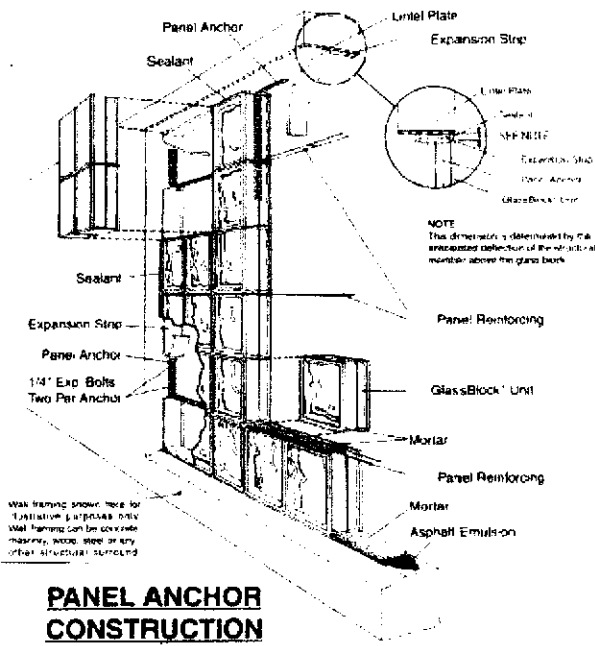
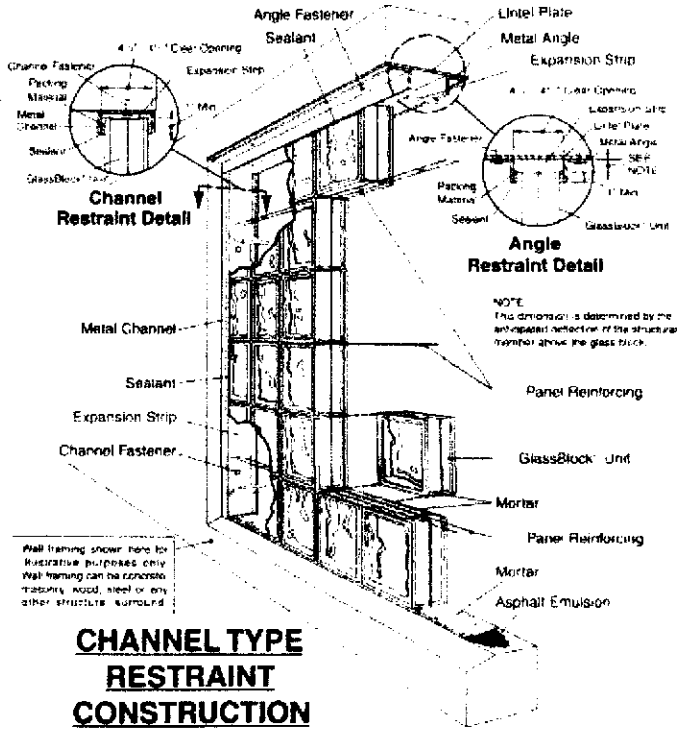
SPECIFICATIONS (FOR NOMINAL 3" THICK SOLID GLASS BLOCK):

- **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 1/2" wide with butt-welded crosswires spaced at 18" 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 1/2" wide, or stainless steel 22-gauge perforated steel strips, 16" long by 1 1/2" 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"x3/8", 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 Kamak Chemical Corporation (Kamak 100, 1-800-526-4235), or equal.

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



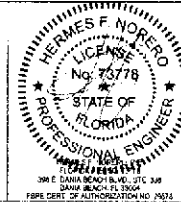
TITLE			
Glass Block Mortar System 3" Thick Solid Glass Block			
SEVES GLASS BLOCK, INC. 10576 BROADVIEW ROAD BROADVIEW HEIGHTS, OH 44147			
SCALE	1/2" = 1'-0"	DWG. NO.	MORTAR-001
BY	LMS	DATE	03/16/2012
		SHEET	3 OF 4
		REV	0



**CHANNEL TYPE
RESTRAINT
CONSTRUCTION**

**PANEL ANCHOR
CONSTRUCTION**

REVISIONS		
REV	DESCRIPTION	DATE



TITLE
Glass Block Mortar System
Generic Construction Details - Isometric Views

SEVES GLASS BLOCK, INC.
10578 BROADVIEW ROAD
BROADVIEW HEIGHTS, OH 44147

SCALE: NTS DWG. NO. MORTAR-001 REV. 0

BY: LMS DATE: 03/16/2012 SHEET: 4 OF 4