



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

**CONTRACTOR LICENSING SECTION**  
(305) 375-2527 FAX (305) 375-2558

**CONTRACTOR ENFORCEMENT DIVISION**  
(305) 375-2966 FAX (305) 375-2908

**PRODUCT CONTROL DIVISION**  
(305) 375-2902 FAX (305) 372-6339

**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**Pittsburgh Corning Corporation**  
**800 Presque Isle Drive**  
**Pittsburgh ,PA 15239**

Your application for Notice of Acceptance (NOA) of:

**Vinyl Framed 2" Glass Block LightWise Window**

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

**ACCEPTANCE NO.: 01-0410.14**  
**EXPIRES: 11/01/2006**

Raul Rodriguez  
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL  
CONDITIONS  
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.  
Director  
Miami-Dade County  
Building Code Compliance Office

**APPROVED: 11/01/2001**

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

**1. SCOPE**

- 1.1 This approves a glass block PVC fixed window as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

**2. PRODUCT DESCRIPTION**

The **2" LightWise Window** and its components shall be constructed in strict compliance with the following document: Drawing No. **2LW-1**, titled "2 LightWise Windows – New and Renovation Construction", Sheets 1 thru 2 of 2, dated 02/26/01, 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 Division. These documents shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

- 3.1 This approval applies to single unit applications of a glass block PVC fixed window, as shown in the approved drawings.

**4. INSTALLATION:**

- 4.1 The glass block PVC fixed window and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters): the installation of this unit **will require** a hurricane protection system.

**5. LABELING**

- 5.1 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".

**6. BUILDING PERMIT REQUIREMENTS**

- 6.1 Application for building permit shall be accompanied by two copies of the following:
- 6.1.1 This Notice of Acceptance.
  - 6.1.2 Duplicate copies of the approved drawings, as identified in section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
  - 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

  
Candido F Font PE. , Sr. Product Control Examiner  
Product Control Division

Pittsburgh Corning Corporation.

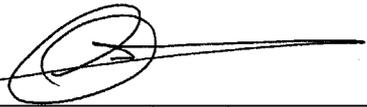
ACCEPTANCE No.: 01-0410.14

APPROVED: NOV 01 2001

EXPIRES: NOV 01 2006

**NOTICE OF ACCEPTANCE: STANDARD CONDITIONS**

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
  - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
  - b) The product is no longer the same product (identical) as the one originally approved.
  - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
  - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
  - a) Unsatisfactory performance of this product or process.
  - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance number preceded by the words Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all times. The engineer does not need to reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Acceptance contains pages 1, 2, this last page 3.

  
Candido F. Font, PE, Sr. Product Control Examiner  
Product Control Division

**END OF THIS ACCEPTANCE**

Pittsburgh Corning Corporation.

ACCEPTANCE No.: 01-0410.14

APPROVED: NOV 01 2001

EXPIRES: NOV 01 2006

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. TESTS:**

1. Test report No. **01-37882.01** prepared by Architectural Testing, Inc, reported on 11/22/00, signed and sealed by Allen Reeves, P.E. for the following tests:
  - 1) Air Infiltration Test, per PA02-94.
  - 2) Uniform Static Air Pressure Test, Loading per PA02-94.
  - 3) Water Resistance Test, per PA02-94.
  - 4.) Force Entry Test, per SFBC 3603.2 (b) and PA 202-94Along with the manufacturer's parts and section drawings, marked-up by Architectural Testing, Inc.

**B. DRAWING:**

1. Drawing No. **2LW-1**, titled "2 LightWise Windows – New and Renovation Construction", Sheet 1 thru 2 of 2, prepared by manufacturer, dated 02/26/01.

**C. CALCULATIONS:**

1. Anchor Calculations prepared by Engineering Analytics, Inc., dated 04/02/01, signed and sealed by C. D. Hays, PE.
2. Anchor Calculations prepared by Engineering Analytics, Inc., dated 10/02/01, signed and sealed by C. D. Hays, PE.

**D. STATEMENTS:**

1. Statement letter of "No Financial Interest, issued by Pittsburgh Corning Corporation, dated 03/15/01, signed by N. T. Loomis, Senior Systems Engineer.
2. Statement letter of conformance, issued by Engineering Analytics, Inc., dated April 2, 2001, signed and sealed by C. D. Hays, P.E
3. Laboratory Compliance Letter issued by Architectural Testing, Inc., dated on 11/22/00, signed and sealed by Allen Reeves, P.E.

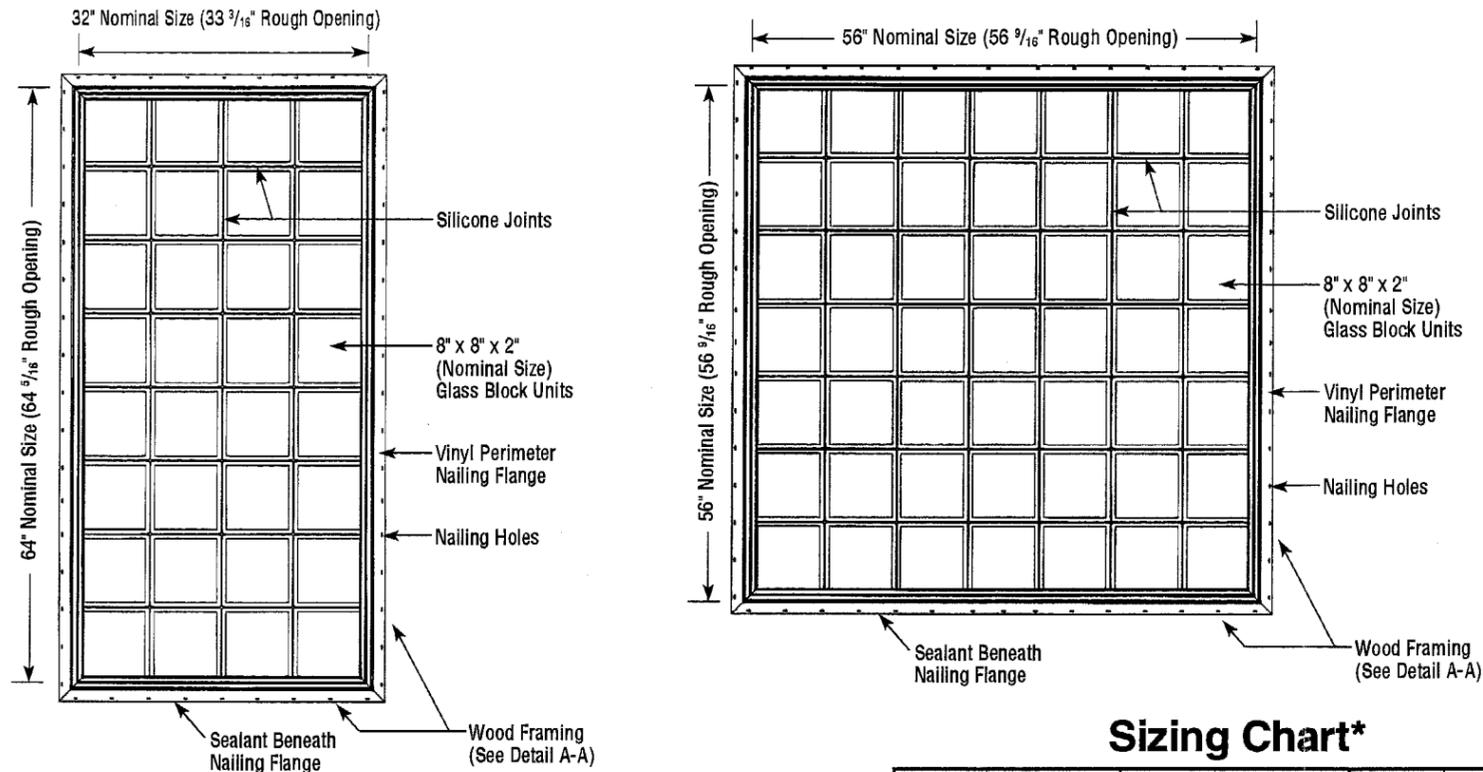
**E. CERTIFICATIONS:**

1. Product Control Notice of Acceptance # 01-0327.02 issue to Custom Window Extrusions, Inc. dated 07/12/2001, expiring on 07/12/2006.

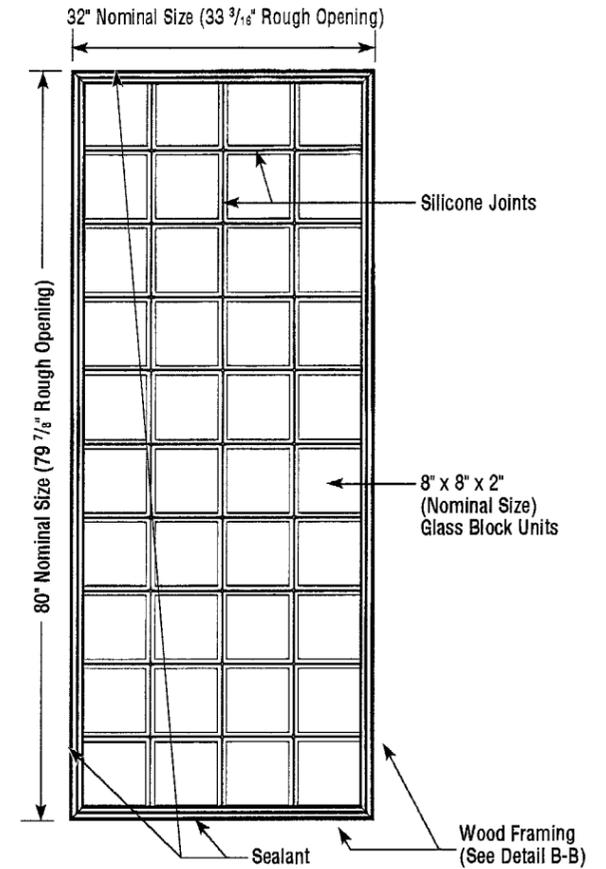


Candido F. Font, PE, Sr. Product Control Examiner  
Product Control Division

## New Construction Installation (as tested sizes)



## Renovation Construction Installation (as tested size)



### Specifications:

- Glass Block Units: 8" x 8" x 2" (nominal size) IceScapes® (pattern used) or DECORA®.
- Frame: Extruded **WHITE RIGID PVC** (Notice of Acceptance No. 01-0327.02). Frame corners are mitered and welded. **EXTRUSIONS BY CUSTOM WINDOW EXTRUSIONS INC.**
- Window Sizes: See adjoining sizing chart for nominal and rough opening dimensions.
- Framing Sealant: Silicone type. Apply a bead of sealant between vinyl nailing flange and framing before nailing. Also seal the blind stop to the vinyl frame and seal the drywall screw heads. Use Pecora 896 or equal.
- Joint Sealants: Silicone type. G.E. 2801 or equivalent for perimeter (glass block to vinyl frame) joints and G.E. 1201 or equivalent for glass block joints.
- Anchorage: Secure window unit with 11 gauge x 1 3/4" galvanized roofing nails with 3/8" diameter heads—3" in from all four corners and other nailing hole around perimeter (9" on center maximum spacing). Secure 1" x 1 1/2" wood blind stop over vinyl nailing flange with #8 x 2" long drywall screws through the wood stop, nailing flange and into the wood frame. Place screws 3" in from each corner and 8" on center (maximum spacing) in between.

Design Pressure Rating
+/- 60 PSF

### Sizing Chart\*

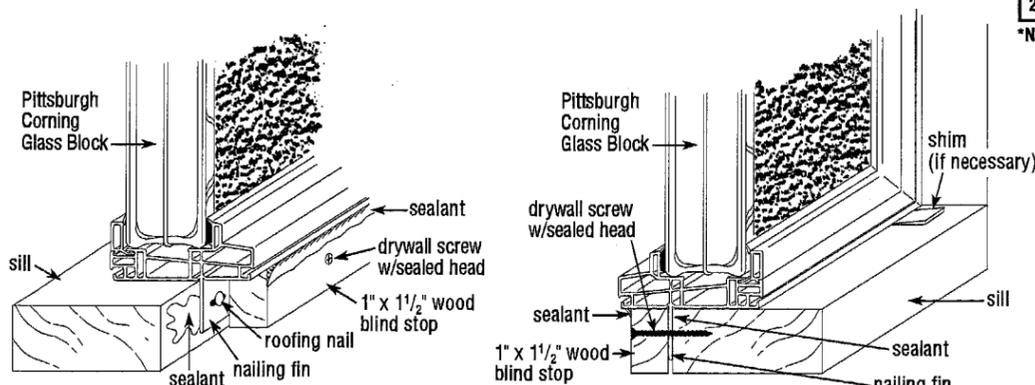
*Nominal Glass Block Panel Size	Required Rough Opening Size (width x height)	*Nominal Glass Block Panel Size	Required Rough Opening Size (width x height)	*Nominal Glass Block Panel Size	Required Rough Opening Size (width x height)
8" x 16"	9 13/16" x 17 5/8"	24" x 64"	25 3/8" x 64 5/16"	48" x 40"	48 3/4" x 40 15/16"
8" x 24"	9 13/16" x 25 3/8"	24" x 72"	25 3/8" x 72 1/8"	48" x 48"	48 3/4" x 48 3/4"
8" x 32"	9 13/16" x 33 3/16"	24" x 80"	25 3/8" x 79 7/8"	48" x 56"	48 3/4" x 56 9/16"
8" x 40"	9 13/16" x 40 15/16"	32" x 8"	33 3/16" x 9 13/16"		
8" x 48"	9 13/16" x 48 3/4"	32" x 16"	33 3/16" x 17 5/8"	56" x 8"	56 9/16" x 9 13/16"
8" x 56"	9 13/16" x 56 3/16"	32" x 24"	33 3/16" x 25 3/8"	56" x 16"	56 9/16" x 17 5/8"
8" x 64"	9 13/16" x 64 5/16"	32" x 32"	33 3/16" x 33 3/16"	56" x 24"	56 9/16" x 25 3/8"
8" x 72"	9 13/16" x 72 1/8"	32" x 40"	33 3/16" x 40 15/16"	56" x 32"	56 9/16" x 33 3/16"
8" x 80"	9 13/16" x 79 7/8"	32" x 48"	33 3/16" x 48 3/4"	56" x 40"	56 9/16" x 40 15/16"
16" x 8"	17 5/8" x 9 13/16"	32" x 56"	33 3/16" x 56 3/16"	56" x 48"	56 9/16" x 48 3/4"
16" x 16"	17 5/8" x 17 5/8"	32" x 64"	33 3/16" x 64 5/16"	56" x 56"	56 9/16" x 56 9/16"
16" x 24"	17 5/8" x 25 3/8"	32" x 72"	33 3/16" x 72 1/8"	64" x 8"	64 5/16" x 9 13/16"
16" x 32"	17 5/8" x 33 3/16"	32" x 80"	33 3/16" x 79 7/8"	64" x 16"	64 5/16" x 17 5/8"
16" x 40"	17 5/8" x 40 15/16"	40" x 8"	40 15/16" x 9 13/16"	64" x 24"	64 5/16" x 25 3/8"
16" x 48"	17 5/8" x 48 3/4"	40" x 16"	40 15/16" x 17 5/8"	64" x 32"	64 5/16" x 33 3/16"
16" x 56"	17 5/8" x 56 3/16"	40" x 24"	40 15/16" x 25 3/8"		
16" x 64"	17 5/8" x 64 5/16"	40" x 32"	40 15/16" x 33 3/16"		
16" x 72"	17 5/8" x 72 1/8"	40" x 40"	40 15/16" x 40 15/16"	72" x 8"	72 1/8" x 9 13/16"
16" x 80"	17 5/8" x 79 7/8"	40" x 48"	40 15/16" x 48 3/4"	72" x 16"	72 1/8" x 17 5/8"
24" x 8"	25 3/8" x 9 13/16"	40" x 56"	40 15/16" x 56 9/16"	72" x 24"	72 1/8" x 25 3/8"
24" x 16"	25 3/8" x 17 5/8"			72" x 32"	72 1/8" x 33 3/16"
24" x 24"	25 3/8" x 25 3/8"				
24" x 32"	25 3/8" x 33 3/16"	48" x 8"	48 3/4" x 9 13/16"	80" x 8"	79 7/8" x 9 13/16"
24" x 40"	25 3/8" x 40 15/16"	48" x 16"	48 3/4" x 17 5/8"	80" x 16"	79 7/8" x 17 5/8"
24" x 48"	25 3/8" x 48 3/4"	48" x 24"	48 3/4" x 25 3/8"	80" x 24"	79 7/8" x 25 3/8"
24" x 56"	25 3/8" x 56 9/16"	48" x 32"	48 3/4" x 33 3/16"	80" x 32"	79 7/8" x 33 3/16"

\*Note: Based on 8" x 8" nominal glass block.

### Specifications:

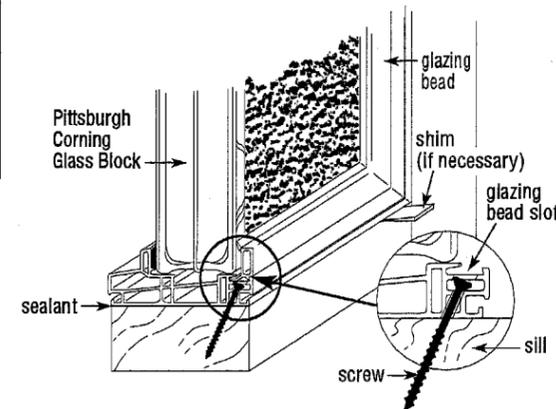
- Glass Block Units: 8" x 8" x 2" (nominal size) IceScapes® (pattern used) or DECORA®.
- Frame: Extruded **WHITE RIGID PVC** (Notice of Acceptance No. 01-0327.02). Frame corners are mitered and welded.
- Window Sizes: See adjoining sizing chart for nominal and rough opening dimensions.
- Nailing Flange: For existing construction, remove nailing flange by cutting with a razor knife.
- Framing Sealant: Silicone type. Apply a bead of sealant between vinyl window frame and framing on exterior side. Use Pecora 896 or equal.
- Joint Sealants: Silicone type G.E. 2801 or equivalent for perimeter (glass block to vinyl frame) joints and G.E. 1201 or equivalent for glass block joints.
- Anchorage: Secure window unit with #8 x 2 1/2" long galvanized wood screws through the glazing bead slot on the interior side at 6" in from each corner and 12" on center (maximum spacing) in between.

Design Pressure Rating
+/- 60 PSF



Detail A-A (Exterior View)

Detail A-A (Interior View)

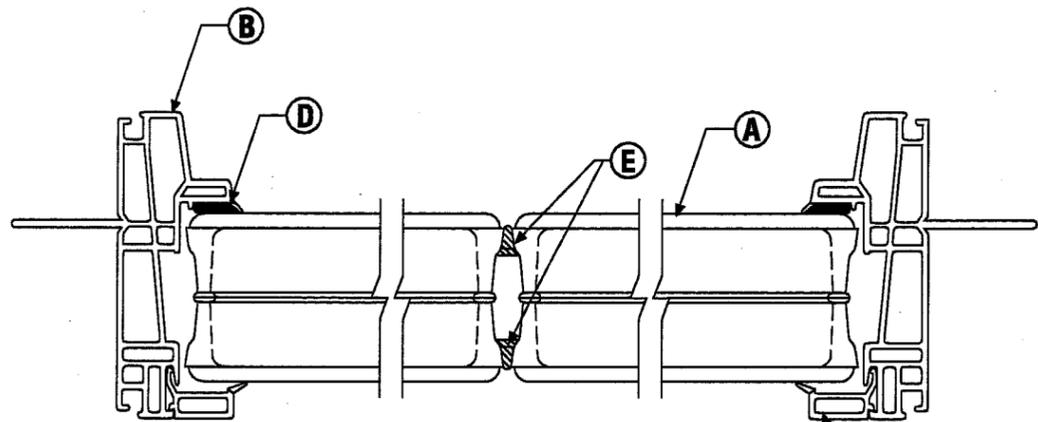


Detail B-B

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE **NOV 01 2001**  
BY   
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. **01-0410.14**

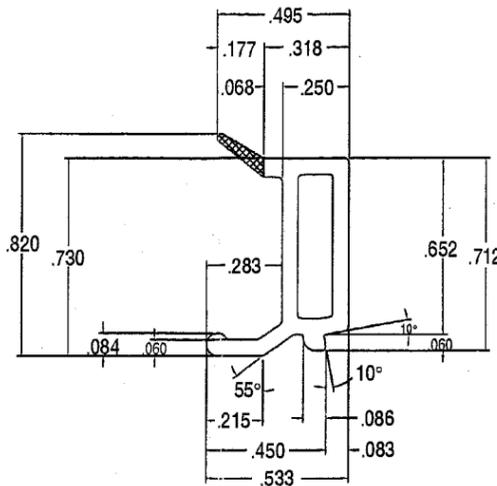
TITLE 2" LightWise® WINDOWS — NEW and RENOVATION CONSTRUCTION					
DESIGN	G.W.S.	SCALE	N.T.S.	REV.	① ②
DRAWN	G.W.S.	DATE	2-26-01	BY	G.W.S.
CHECK	N.T.L.	DATE	2-26-01	DATE	9-4-01
PITTSBURGH CORNING CORP. 800 PRESQUE ISLE DRIVE PITTSBURGH, PA 15239				DRAWING #	SHEET
				2 LW-1	1 OF 2

*CDH*  
*10/2/01*  
*PE 36804*  
CAROL D HAYS



- (A) 8" x 8" x 2" GLASS BLOCK
- (B) 5425 2" GLASS BLOCK FRAME
- (C) 5426 OR 5427 GLAZING BEAD
- (D) SILICONE SEAL (G.E. 2801)
- (E) SILICONE SEAL (G.E. 1201)

**2" Glass Block Frame Layout (No. 30A-0003-001)**



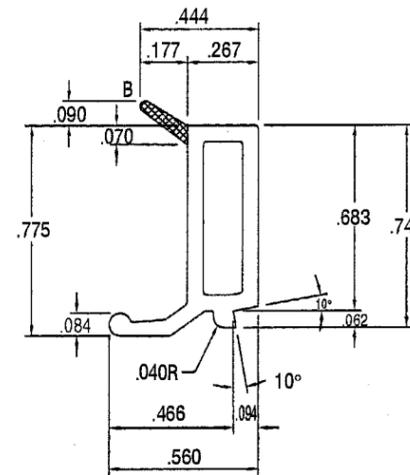
**5426 2" Glazing Bead Detail (No. 30A-0003-004)**

NOTES:  
 WALL THICKNESS  
 UNMARKED = .060±10%  
 RADII:  
 UNMARKED = .015R  
 A = .007R  
 B = .030R  
 C = .075R  
 D = .095R  
 F = FULL

NOTE:  
 1.)  = RIGID PVC  
 2.)  = FLEXIBLE PVC



Actual Size



**5427 2" Glazing Bead Detail (No. 30A-0003-005)**

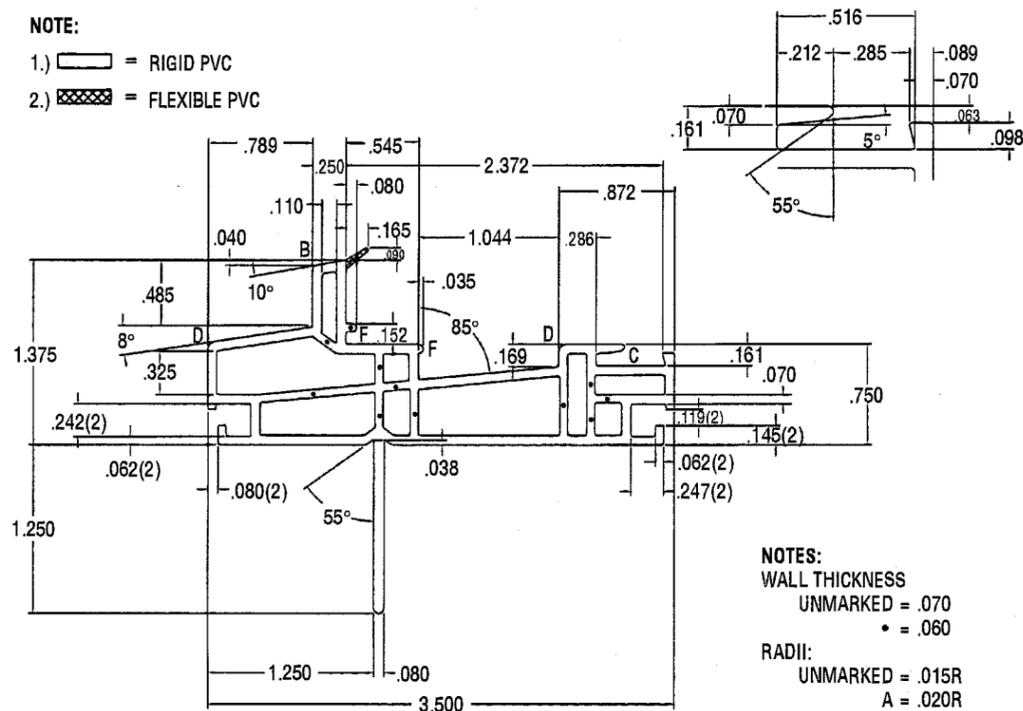
NOTES:  
 WALL THICKNESS  
 UNMARKED = .060±10%  
 RADII:  
 UNMARKED = .015R  
 A = .007R  
 B = .020R  
 C = .030R  
 D = .050R  
 E = .090R

NOTE:  
 1.)  = RIGID PVC  
 2.)  = FLEXIBLE PVC



Actual Size

NOTE:  
 1.)  = RIGID PVC  
 2.)  = FLEXIBLE PVC



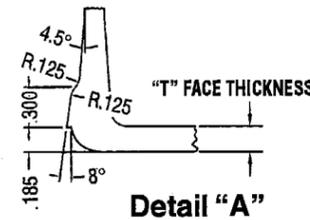
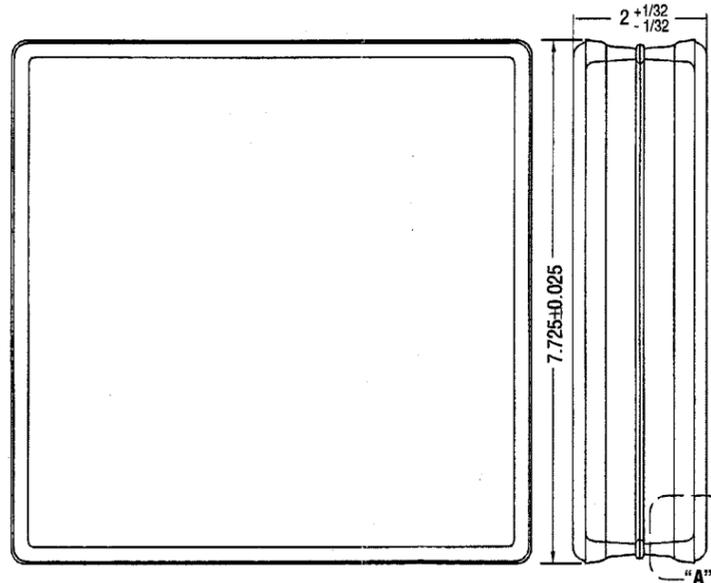
**5425 2" Glass Block Frame Detail (No. 30A-0003-003)**

NOTES:  
 WALL THICKNESS  
 UNMARKED = .070  
 • = .060  
 RADII:  
 UNMARKED = .015R  
 A = .020R  
 B = .025R  
 C = .030R  
 D = .062R  
 F = FULL

ESTIMATED AREA = 1.065 SQ. IN.

CAROL D HAYS

**8" x 8" x 2" Glass Block Detail (No. 30A-0003-002)**



PATTERN	"T" FACE THICKNESS	NOMINAL SIZE
DECORA®	0.1875	8" x 8" x 2"
IceScapes®	0.1875	8" x 8" x 2"

APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE **NOV 01 2001**  
 BY   
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. **01-0410-14**

TITLE 2" LightWise® WINDOWS DETAILS

DESIGN	G.W.S.	SCALE	N.T.S.	REV.	①	②
DRAWN	G.W.S.	DATE	2-26-01	BY	G.W.S.	
CHECK	N.T.L.	DATE	2-26-01	DATE	9-4-01	

PITTSBURGH CORNING CORP.  
 800 PRESQUE ISLE DRIVE  
 PITTSBURGH, PA 15239

DRAWING # **2 LW-2** SHEET **2** OF **2**

*CDHays*  
 10/21/01  
 PE36806