



**MIAMI-DADE COUNTY**  
**BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)**  
**BOARD AND CODE ADMINISTRATION DIVISION**

**MIAMI-DADE COUNTY, FLORIDA**  
**PRODUCT CONTROL SECTION**  
 11805 SW 26<sup>th</sup> Street, Room 208  
 Miami, Florida 33175-2474  
 T (786) 315-2590 F (786) 315-2599

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

**NOTICE OF ACCEPTANCE (NOA)**

**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 BNC-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. BNC 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:**

**Series "LightWise 3" Window" Glass Blocks with Aluminum Clad Wood Frame – N. I.**

**APPROVAL DOCUMENT:** Drawing No. **LWAW-001**, titled "350 Series LightWise 3" Window with Aluminum Clad Wood Frame", sheets 1 through 4 of 4, dated 10/06/10 with revision "1" dated 04/11/11, prepared by Engineering Analysis, Inc., 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 Approval date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: None.**

**LIMITATIONS:** Miami-Dade County Product Control Approved External Shutters Or Protective Devices Shall Be Required.

**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 I, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



*J. Gascon*  
 5/23/11

**NOA No. 10-1130.04**  
**Expiration Date: June 02, 2016**  
**Approval Date: June 02, 2011**  
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **LWAW-001**, titled "350 Series LightWise 3" Window with Aluminum Clad Wood Frame", sheets 1 through 4 of 4, dated 10/06/10 with revision "1" dated 04/11/11, prepared by Engineering Analysis, Inc., signed and sealed by Carol D. Hays, Ph. D., 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  
4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of glass block window system, prepared by Architectural Testing, Inc., Test Report No. **ATI A3141.01-501-18**, dated 10/14/10, signed and sealed by Michael D. Stremmel, P. E.

**C. CALCULATIONS**

1. Anchor calculations and structural analysis, complying with FBC-2007, prepared by Engineering Analysis, Inc., dated 11/30/10, signed, sealed and dated 05/05/11 by Carol D. Hays, Ph. D., P. E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Building and Neighborhood Compliance Department (BNC).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **10-0909.05** revises **99-0113.05** issued to Mikron Industries, Inc. (a division of Quanex) for "**White PVC Extrusions for Windows and Doors qualifying for AAMA 303, Voluntary Specification for Poly (Vinyl Chloride) (PVC) Exterior Profiles by AAMA Fenestration Exterior Profile Certification Program**" dated 10/1/2010, expiring on 9/30/2011.

**F. STATEMENTS**

1. Statement letter of conformance and compliance with the FBC-2007, dated April 27, 2011, signed and sealed by Carol D. Hays, Ph. D., P. E.
2. Statement letter of no financial interest, dated April 27, 2011, signed and sealed by Carol D. Hays, Ph. D., P. E.



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 10-1130.04  
Expiration Date: June 02, 2016  
Approval Date: June 02, 2011

**Pittsburgh Corning Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS (CONTINUED)**

3. Laboratory compliance letter for Test Report No. **ATI A3141.01-501-18**, issued by Architectural Testing, Inc., dated 10/14/10, signed and sealed by Michael D. Stremmel, P. E.
4. Laboratory addendum letter for Test Report No. **ATI A3141.01-501-18**, issued by Architectural Testing, Inc., dated 04/05/11, signed and sealed by Michael D. Stremmel, P. E.

**G. OTHERS**

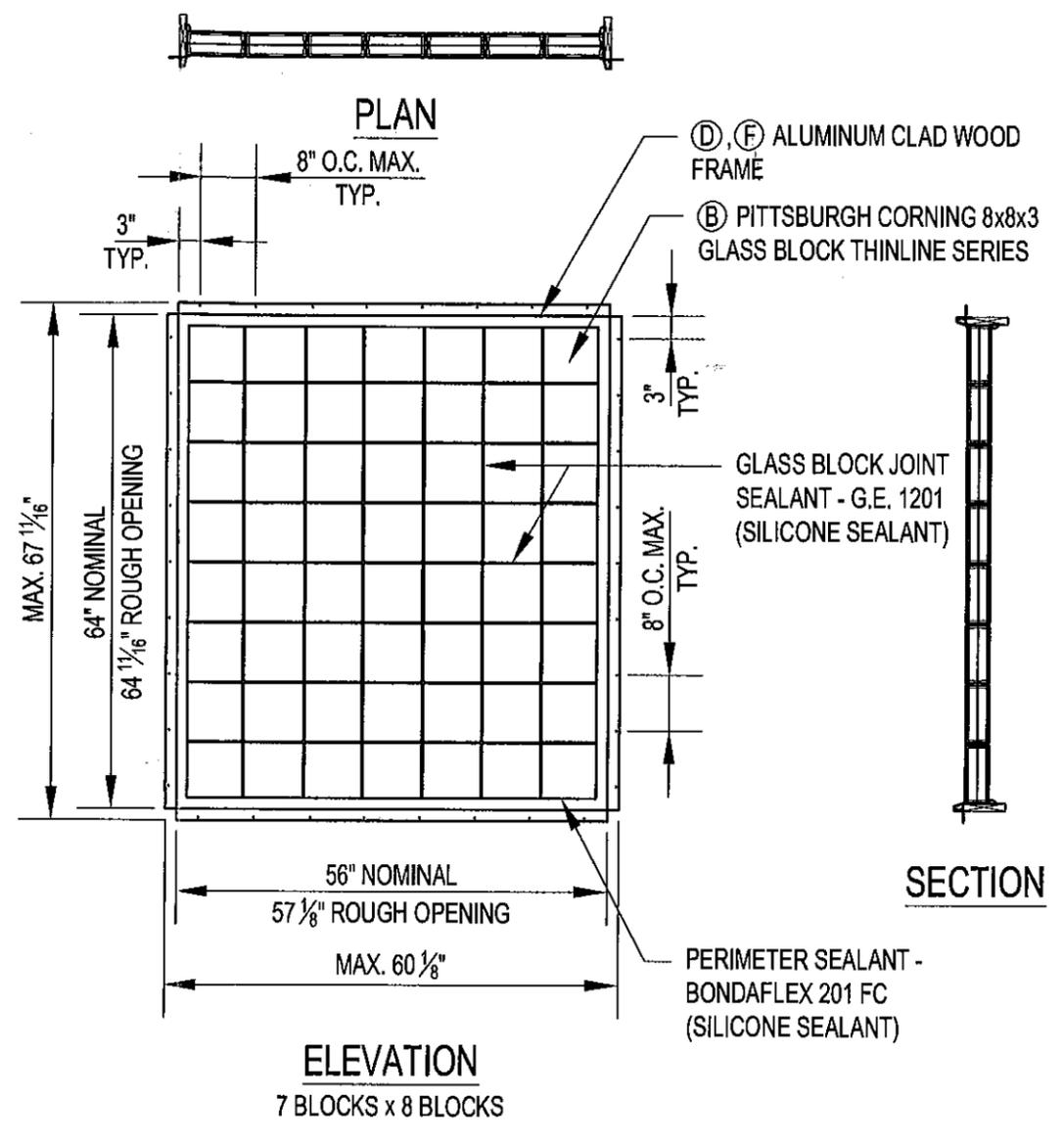
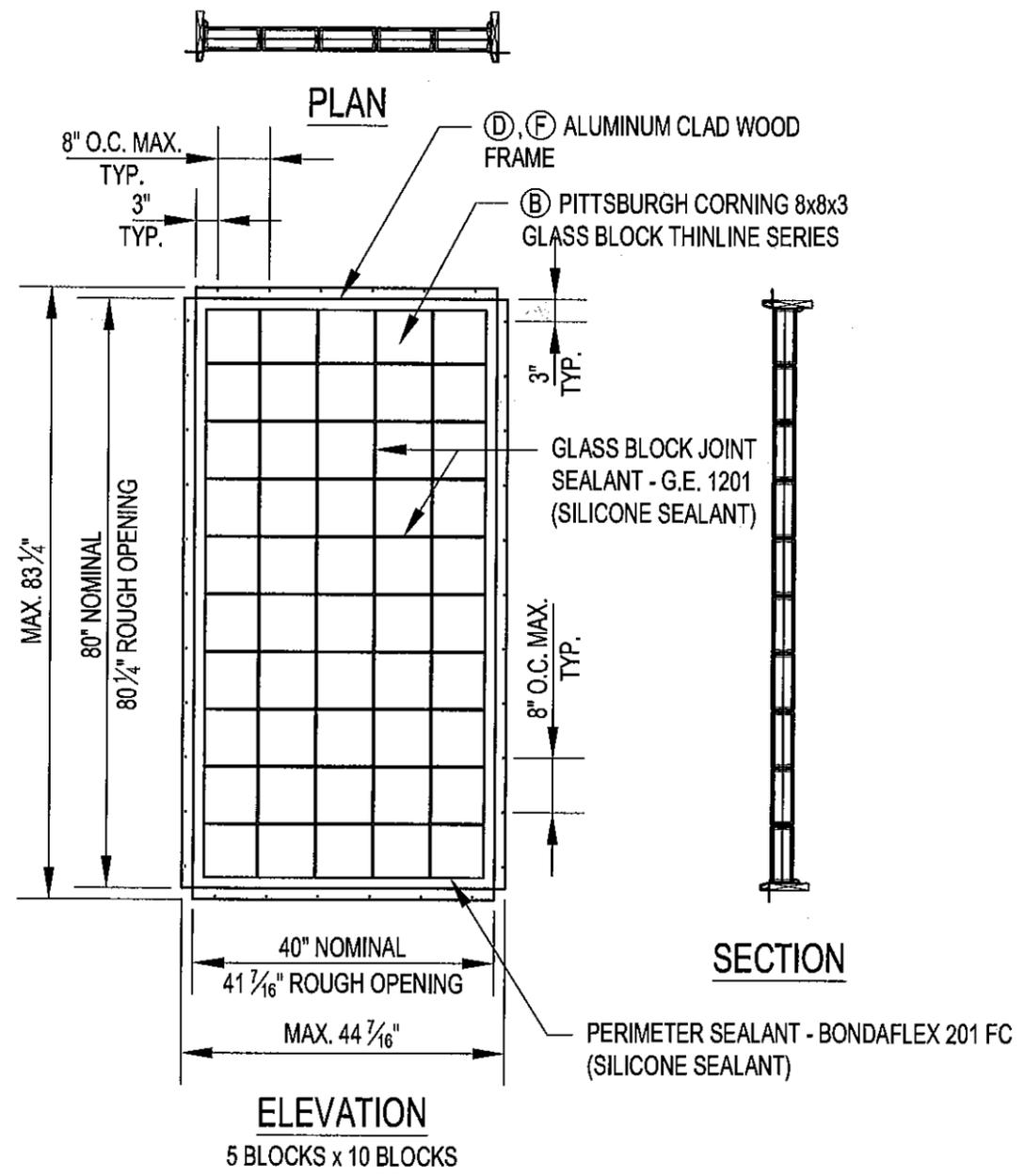
1. None.



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Jaime D. Gascoth, P. E.  
Product Control Section Supervisor  
NOA No. 10-1130.04  
Expiration Date: June 02, 2016  
Approval Date: June 02, 2011

REVISIONS		
REV	DESCRIPTION	DATE
1	CHANGES AS PER MIAMI-DADE COUNTY BNC DEPT.	04/11/11



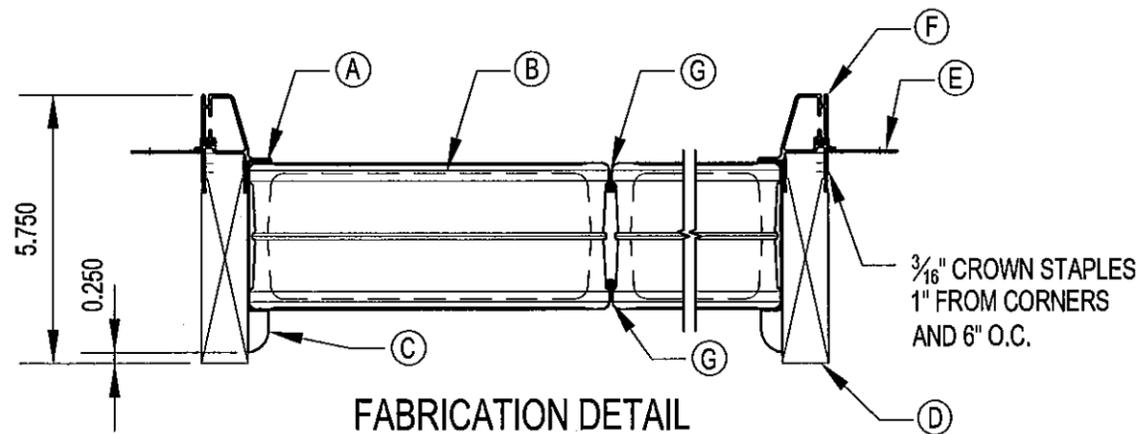
**NON IMPACT RESISTANT**  
**DESIGN PRESSURE RATING**  
**± 60.0 PSF**

Approved as complying with the  
 Florida Building Code  
 Date 06/02/2011  
 NOA# 10-1130.04  
 Miami Dade Product Control  
 By *[Signature]*

*Carve & Hays*  
 PE 76806  
 4/27/11

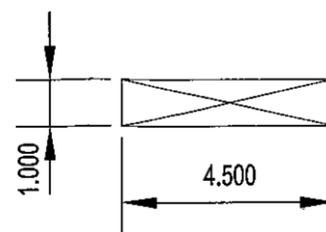
TITLE LightWise 3" Window with Aluminum Clad Wood Frame		
PITTSBURGH CORNING CORP. 800 PRESQUE ISLE DRIVE PITTSBURGH, PA 15239		
SCALE 1/2" = 1'-0"	DWG. NO. LWAW-001	REV 1
BY LBA	DATE 04/11/2011	SHEET 1 OF 4

REVISIONS		
REV	DESCRIPTION	DATE
1	CHANGES AS PER MIAMI-DADE COUNTY BNC DEPT.	04/11/11

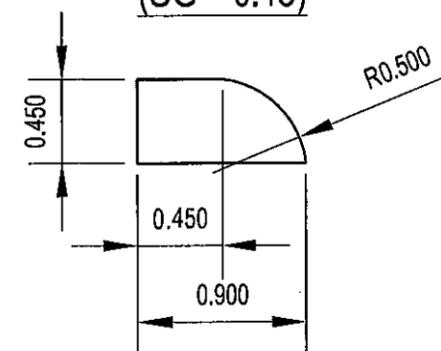


**FABRICATION DETAIL**

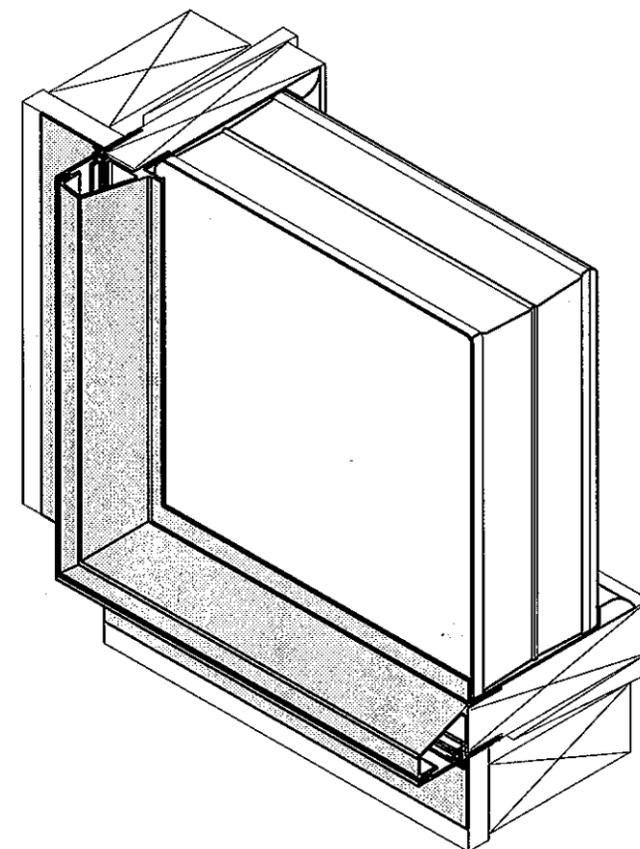
- A PERIMETER SEALANT - BONDIFLEX 201 FC (SILICONE SEALANT)
- B 8"x8"x3" PITTSBURGH CORNING GLASS BLOCK
- C RADIATA PINE (SG = 0.48) WOOD STOP (SECURED WITH 1" LONG BRAD NAILS (F 1667 NLBRD-14) - 1" FROM EACH CORNER AND 8" ON CENTER)
- D TREATED RADIATA PINE WOOD FRAME (SG = 0.48)
- E NAILING FIN RIGID WHITE PVC (REGRIND PVC, FLEXIBLE PVC, POLYURETHANE HINGE)
- F ALUMINUM FRAME (6063 T-5, t=0.050 MIN.) (SECURED WITH 3/16" CROWN STAPLES - 1" FROM EACH CORNER AND 6" ON CENTER)
- G GLASS BLOCK JOINT SEALANT - G.E. 1201 (SILICONE SEALANT)



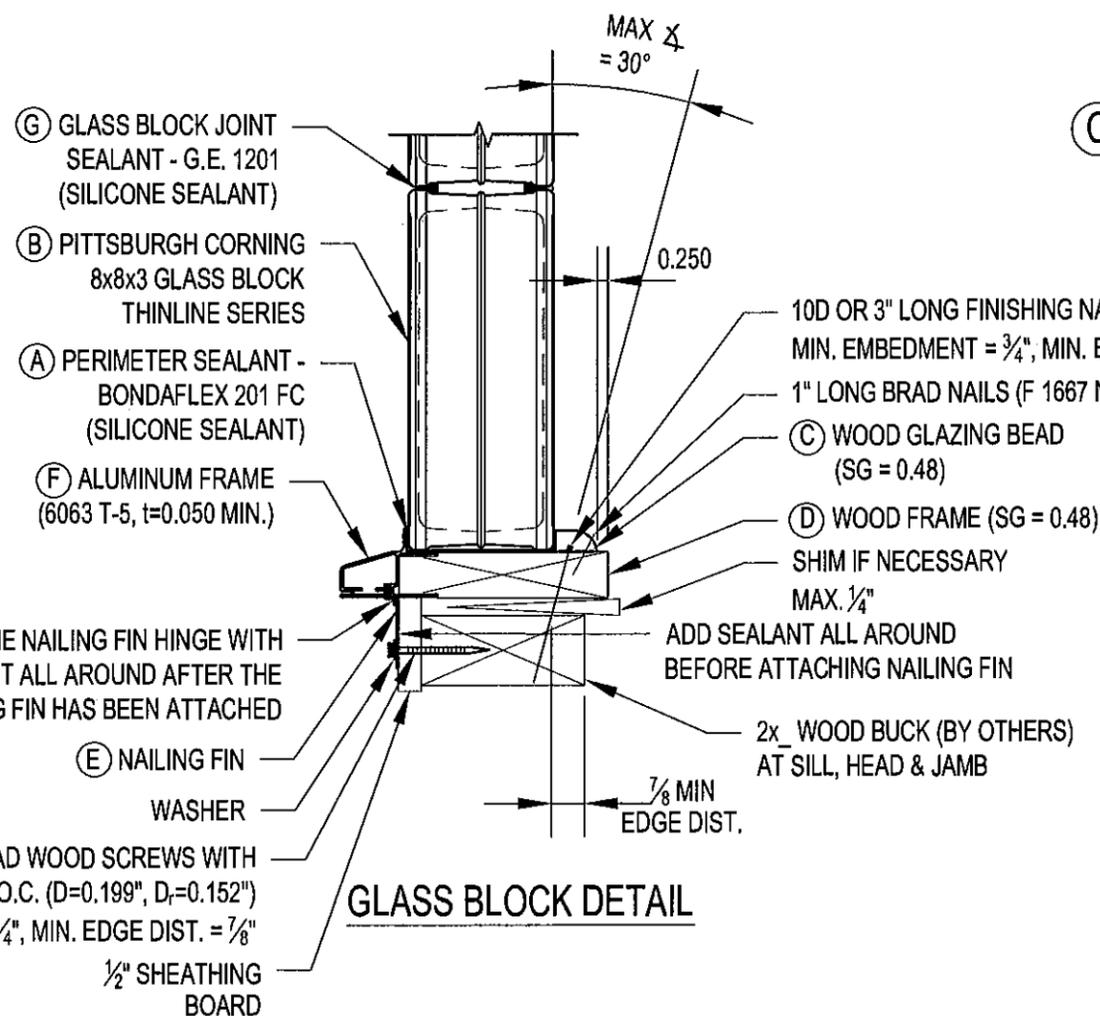
**D WOOD FRAME DETAIL (SG = 0.48)**



**C WOOD GLAZING BEAD DETAIL (SG = 0.48) SCALE: 1:1**



**ISOMETRIC CORNER DETAIL**



**GLASS BLOCK DETAIL**

#10 x 2" LONG PAN HEAD WOOD SCREWS WITH #10 WASHERS @ 8" O.C. (D=0.199", D<sub>r</sub>=0.152") MIN. EMBEDMENT = 1 1/4", MIN. EDGE DIST. = 7/8" 1/2" SHEATHING BOARD

10D OR 3" LONG FINISHING NAILS (F 1667 NLFHS-09) (MIN. 0.148"Ø) @ 8" O.C. MIN. EMBEDMENT = 3/4", MIN. EDGE DIST. = 1/2" (SEE NOTES)  
1" LONG BRAD NAILS (F 1667 NLBRD-14) @ 8" O.C. (SEE NOTES)

**ANCHORAGE NOTES:**

- REMOVE WOOD (STOP) GLAZING BEAD.
- SECURE WOOD FRAME WITH 10D (3" LONG) FINISHING NAILS (F 1667 NLFHS-09) 4" FROM ALL ENDS AND 8" O.C. MAKE SURE FINISHING NAILS ARE SLIGHTLY COUNTERSUNK.
- REPLACE WOOD (STOP) GLAZING BEAD SECURED WITH 1" LONG BRAD NAILS (F 1667 NLBRD-14) 1" FROM ALL ENDS AND 8" O.C.
- COVER THE NAILING FIN HINGE WITH SEALANT ALL AROUND AFTER THE NAILING FIN HAS BEEN ATTACHED

Approved as complying with the Florida Building Code  
Date 06/02/2011  
NOA# 10-1130.04  
Miami Dade Product Control  
By *[Signature]*

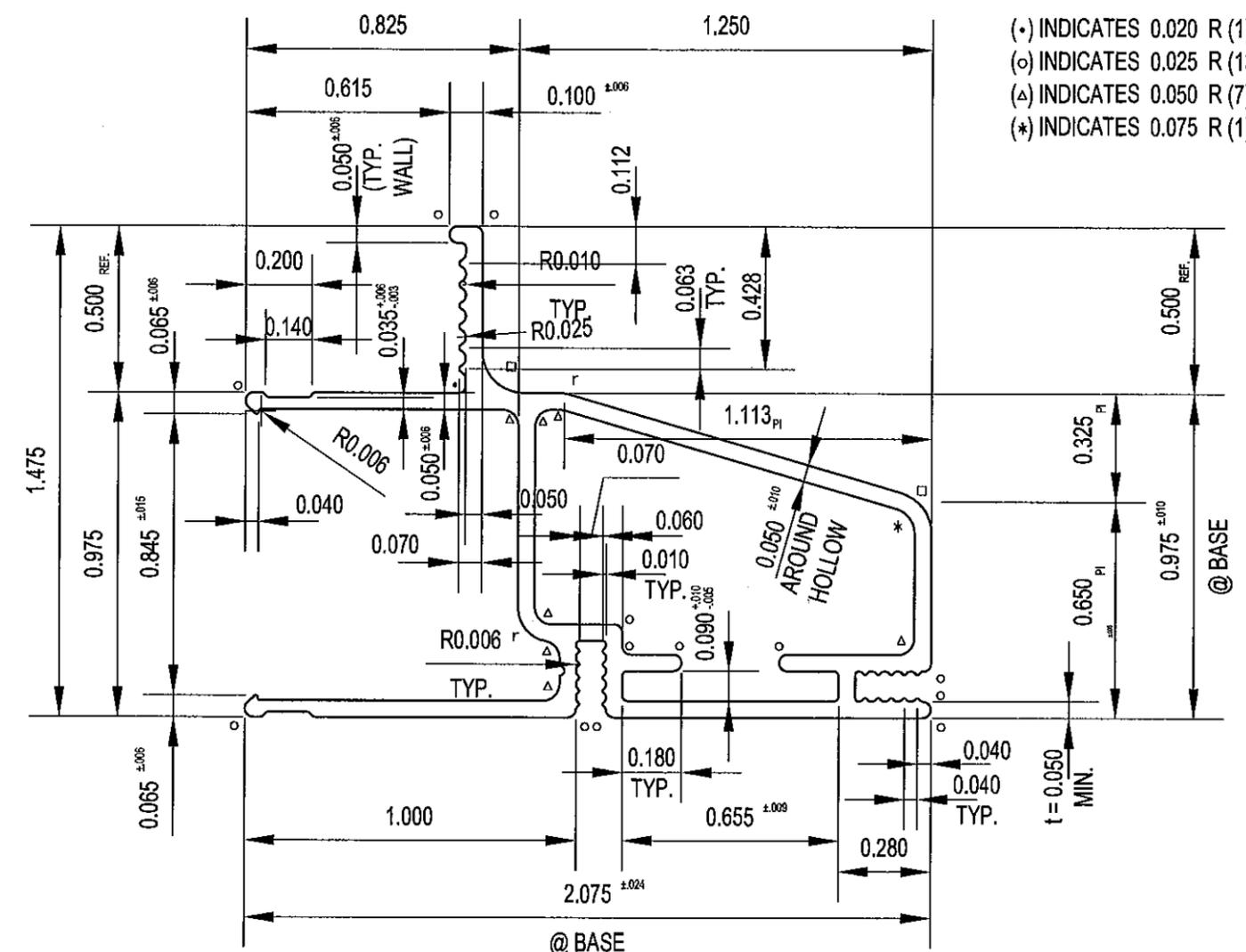
*Case J King  
PE 96806  
4/27/11*

TITLE LightWise 3" Window with Aluminum Clad Wood Frame			
PITTSBURGH CORNING CORP. 800 PRESQUE ISLE DRIVE PITTSBURGH, PA 15239			
SCALE 3"=1'-0"	DWG. NO. LWAW-002	REV 1	
BY LBA	DATE 04/11/2011	SHEET 2 OF 4	

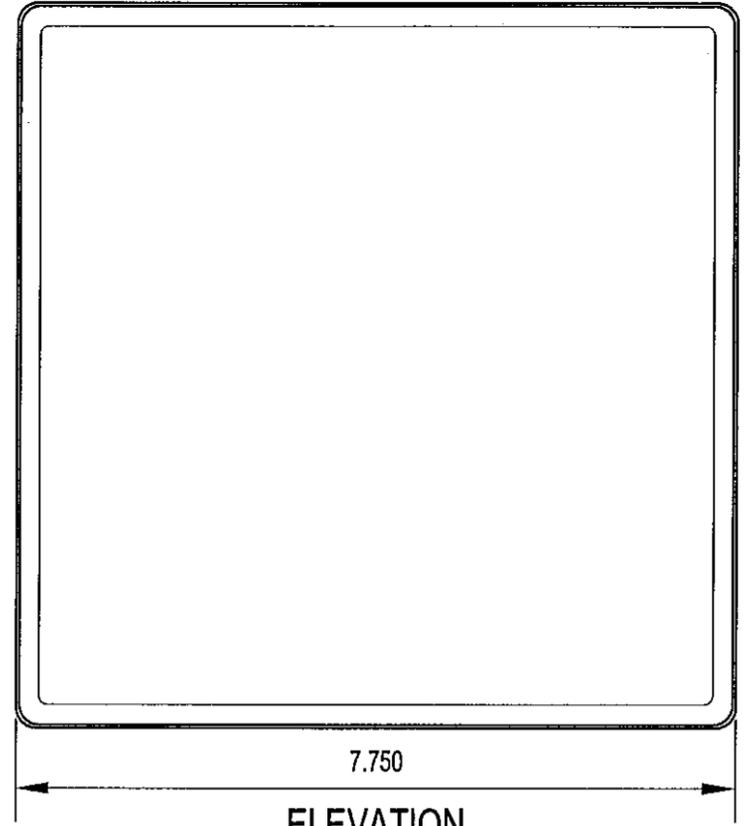
REVISIONS		
REV	DESCRIPTION	DATE
1	CHANGES AS PER MIAMI-DADE COUNTY BNC DEPT.	04/11/11

(•) INDICATES 0.020 R (1)  
 (○) INDICATES 0.025 R (13)  
 (△) INDICATES 0.050 R (7)  
 (\*) INDICATES 0.075 R (1)

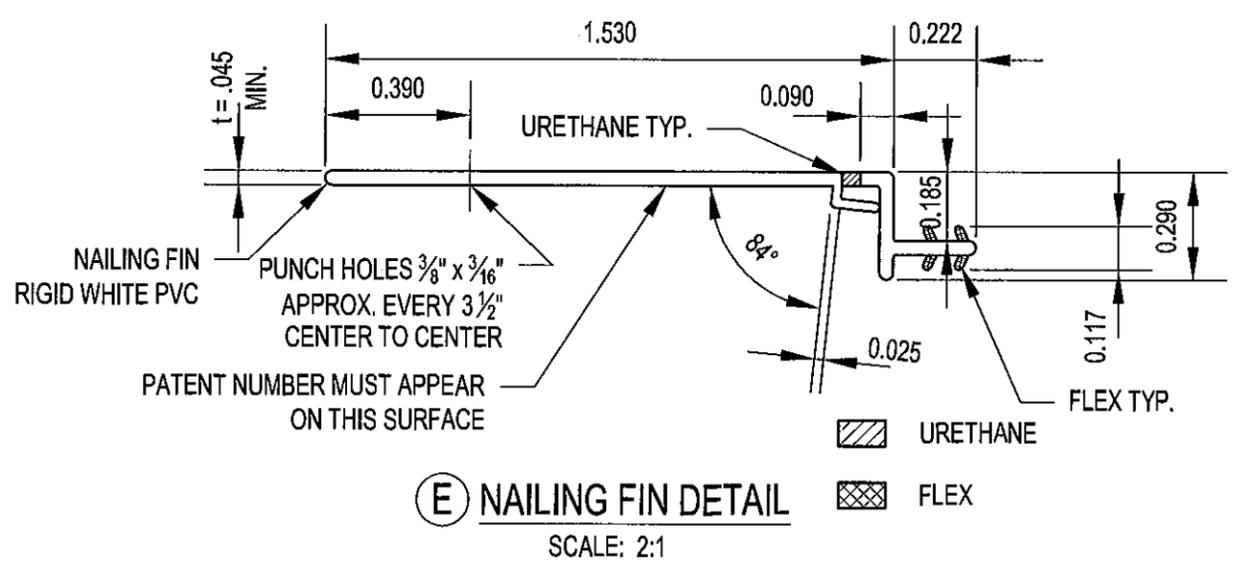
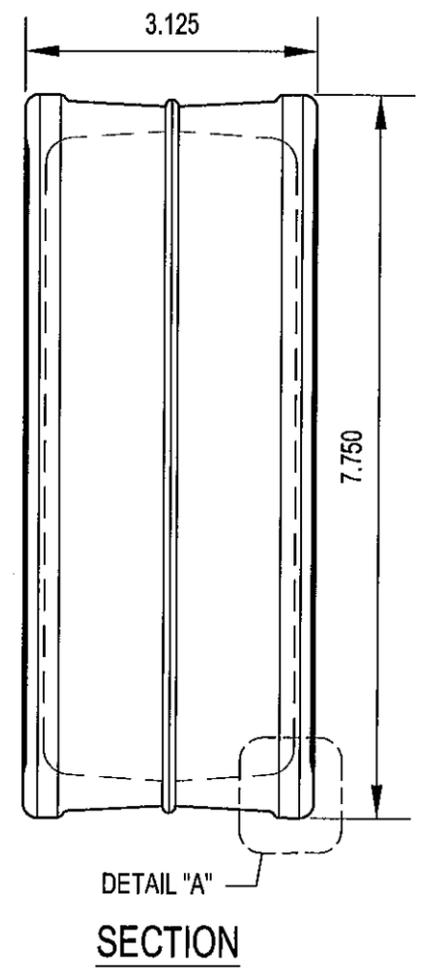
(r) INDICATES 0.100 R (2)  
 (□) INDICATES 0.125 R (2)  
 ALL UNSPECIFIED CORNERS & FILLETS TO BE 0.015 R



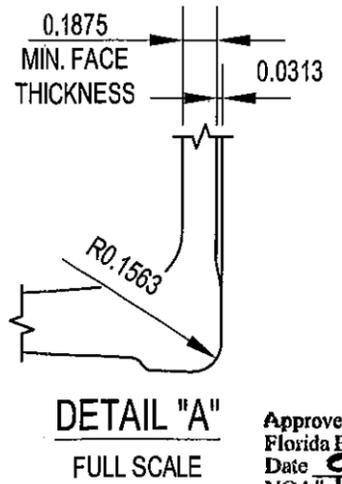
**(F) ALUMINUM CLAD WOOD FRAME DETAIL**  
 (6063T-5) (SG = 0.48)  
 SCALE: 2:1



**(B) 8x8x3 GLASS BLOCK**  
 SCALE: 1/2" = 1"



**(E) NAILING FIN DETAIL**  
 SCALE: 2:1



**DETAIL "A"**  
 FULL SCALE

Approved as complying with the  
 Florida Building Code  
 Date 06/02/2011  
 NOA# 10-1130.04  
 Miami-Dade Product Control  
 By [Signature]

*Carol J. Hays*  
 PE 36806  
 4/27/11

TITLE LightWise 3" Window with Aluminum Clad Wood Frame			
PITTSBURGH CORNING CORP. 800 PRESQUE ISLE DRIVE PITTSBURGH, PA 15239			
SCALE VARIES	DWG. NO. LWAW-003	REV 1	
BY LBA	DATE 04/11/2011	SHEET 3 OF 4	

## LightWise® Aluminum Clad Wood Windows 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)
16" x 16"	18 1/4" x 18 1/4"	32" x 32"	33 3/4" x 33 3/4"	48" x 56"	49 1/8" x 57 1/8"
16" x 24"	18 1/4" x 26"	32" x 40"	33 3/4" x 41 7/16"	48" x 64"	49 1/8" x 64 1 1/16"
16" x 32"	18 1/4" x 33 3/4"	32" x 48"	33 3/4" x 49 1/8"	56" x 16"	57 1/8" x 18 1/4"
16" x 40"	18 1/4" x 41 7/16"	32" x 56"	33 3/4" x 57 1/8"	56" x 24"	57 1/8" x 26"
16" x 48"	18 1/4" x 49 1/8"	32" x 64"	33 3/4" x 64 1 1/16"	56" x 32"	57 1/8" x 33 3/4"
16" x 56"	18 1/4" x 57 1/8"	32" x 72"	33 3/4" x 72 7/16"	56" x 40"	57 1/8" x 41 7/16"
16" x 64"	18 1/4" x 64 1 1/16"	32" x 80"	33 3/4" x 80 1/4"	56" x 48"	57 1/8" x 49 1/8"
16" x 72"	18 1/4" x 72 7/16"	40" x 16"	41 7/16" x 18 1/4"	56" x 56"	57 1/8" x 57 1/8"
16" x 80"	18 1/4" x 80 1/4"	40" x 24"	41 7/16" x 26"	64" x 16"	64 1 1/16" x 18 1/4"
24" x 16"	26" x 18 1/4"	40" x 32"	41 7/16" x 33 3/4"	64" x 24"	64 1 1/16" x 26"
24" x 24"	26" x 26"	40" x 40"	41 7/16" x 41 7/16"	64" x 32"	64 1 1/16" x 33 3/4"
24" x 32"	26" x 33 3/4"	40" x 48"	41 7/16" x 49 1/8"	64" x 40"	64 1 1/16" x 41 7/16"
24" x 40"	26" x 41 7/16"	40" x 56"	41 7/16" x 57 1/8"	64" x 48"	64 1 1/16" x 49 1/8"
24" x 48"	26" x 49 1/8"	40" x 64"	41 7/16" x 64 1 1/16"	72" x 16"	72 7/16" x 18 1/4"
24" x 56"	26" x 57 1/8"	40" x 72"	41 7/16" x 72 7/16"	72" x 24"	72 7/16" x 26"
24" x 64"	26" x 64 1 1/16"	48" x 16"	49 1/8" x 18 1/4"	72" x 32"	72 7/16" x 33 3/4"
24" x 72"	26" x 72 7/16"	48" x 24"	49 1/8" x 26"	72" x 40"	72 7/16" x 41 7/16"
24" x 80"	26" x 80 1/4"	48" x 32"	49 1/8" x 33 3/4"	80" x 16"	80 1/4" x 18 1/4"
32" x 16"	33 3/4" x 18 1/4"	48" x 40"	49 1/8" x 41 7/16"	80" x 24"	80 1/4" x 26"
32" x 24"	33 3/4" x 26"	48" x 48"	49 1/8" x 49 1/8"	80" x 32"	80 1/4" x 33 3/4"

NOTES: \*BASED ON 8"x8" NOMINAL SIZED GLASS BLOCK.

\*\*ROUGH OPENING = ACTUAL SIZE + 1/2"

REVISIONS		
REV	DESCRIPTION	DATE
1	CHANGES AS PER MIAMI-DADE COUNTY BNC DEPT.	04/11/11

### SPECIFICATIONS:

- GLASS BLOCK UNITS:** 8"x8"x3" (nominal size) Thinline Series DECORA pattern or Thinline Series IceScapes pattern.
- FRAME:** Extruded Aluminum Clad Wood Framed (radiata pine) Window. Radiata Pine Specific Gravity = 0.48. Frame corners are mitered and mechanically fastened with (2) #8 x 1 1/4" screws on wood frame & (2) #6 x 1 1/2" sheet metal screws on aluminum frame (6063 T-5, t=0.050 min.) (Aluminum cladding is powder coated).
- WINDOW SIZES:** See sizing chart for nominal and rough opening dimensions.
- FRAMING SEALANT:** Silicone type. Apply a bead of sealant between nailing fin and framing before securing with wood screws. After securing the nailing fin apply a bead of sealant over the nailing fin hinge all around.
- JOINT SEALANTS:** Bondaflex 201 FC or equivalent for perimeter (glass block to aluminum and wood frame) joints and G.E. 1201 or equivalent for glass block joints.
- ANCHORAGE:** Secure nailing fin with #10 x 2" long pan head wood screws with #10 washers (D=0.199", D<sub>r</sub>=0.152"), starting 3" in from all corners and 8" on center maximum spacing. Secure window unit from the inside with 10D or 3" long finishing nails (F 1667 NLFHS-09) through wood frame, shim and 2 x \_\_\_ framing (by others) after removing wood stop. Secure wood stop with 1" long brad nails (F 1667 NLBRD-14) 1" from each corner and spaced no more than 8" on center. All finishing nails (F 1667 NLFHS-09) should be driven as close to perpendicular to the frame as tools will allow. Finishing nails (F 1667 NLFHS-09) can be countersunk and puttied over before optional staining of wood. **NOTE: Securement of the wood stop from the factory should not be solely relied upon for anchorage of the window unit to the framing members.**
- SHIM SPACES:** Shim spaces to be no more than 1/4" per side. See anchorage above for spacing.
- CODE:** Designed as per the Florida Building Code (FBC) 2007 including Supplement 2009 and adopted standards.

*Came I Hang  
RE 36806  
4/27/11*

Approved as complying with the  
Florida Building Code  
Date 06/02/2011  
NOA# 10-1130.04  
Miami Dade Product Control  
By [Signature]

TITLE LightWise 3" Window with Aluminum Clad Wood Frame			
PITTSBURGH CORNING CORP. 800 PRESQUE ISLE DRIVE PITTSBURGH, PA 15239			
SCALE NTS	DWG. NO. LWAW-004	REV 1	
BY LBA	DATE 04/11/2011	SHEET 4 OF 4	