



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

PGT Industries
1070 Technology Drive
Nokomis, FL 34275

Your application for Notice of Acceptance (NOA) of:

Series PW-701 Aluminum Fixed Window - Non-Impact & Impact Resistant

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.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 01-0102.01
EXPIRES: 09/13/2006

**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: 09/13/2001

PGT Industries

ACCEPTANCE No.: 01-0102.01

APPROVED: SEP 13 2001

EXPIRES: SEP 13 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This approves an aluminum 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

- 2.1 The **Series PW-701 Aluminum Fixed Window – Non-Impact and Large Missile Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No **4231**, Sheets 1 through 8 of 8, titled "PW-701 Aluminum Fixed Window," dated 8/13/01, prepared by manufacturer, signed and sealed by Robert L. Clark, 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 Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1 This approval applies to single unit applications only, as shown in approved drawings.
3.2 Non-Impact Resistant windows, for Design Pressure Rating vs. Window Size, see Comparative Analysis Tables in Sheet 8 of 8 of approved drawings.
3.3 Impact Resistant windows, see Design Pressure Rating in Sheet 1 of 8 of approved drawings.

4. INSTALLATION

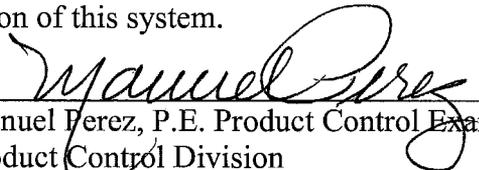
- 4.1 The aluminum fixed window and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): to determine whether the installation requires a hurricane protection system or not, see corresponding table in approved drawing.

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 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.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

PGT Industries

ACCEPTANCE No.: 01-0102.01

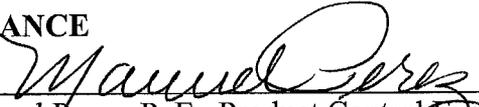
APPROVED: SEP 13 2001

EXPIRES: SEP 13 2006

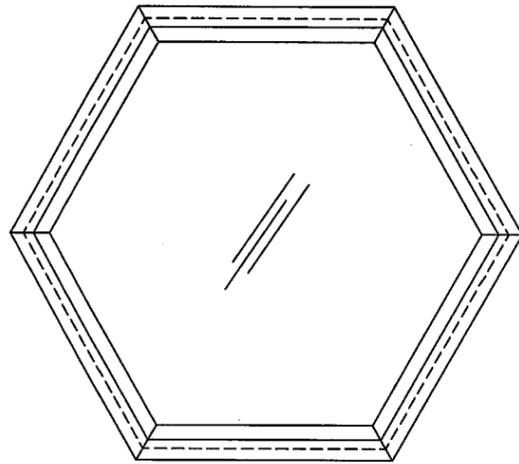
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

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, and this last page 3.

END OF THIS ACCEPTANCE

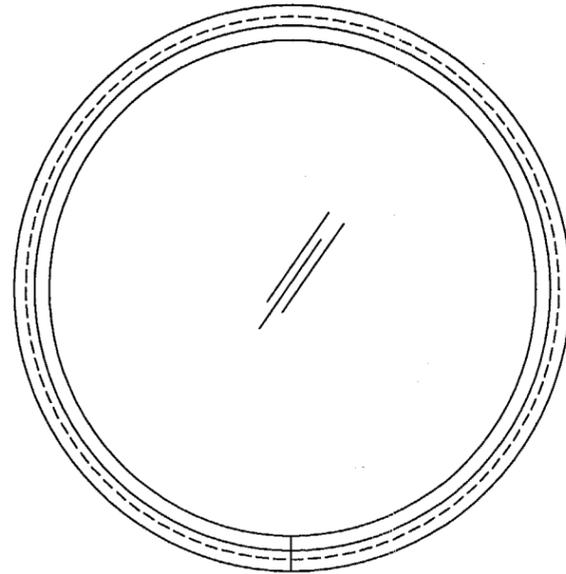


Manuel Perez, P. E., Product Control Examiner
Product Control Division



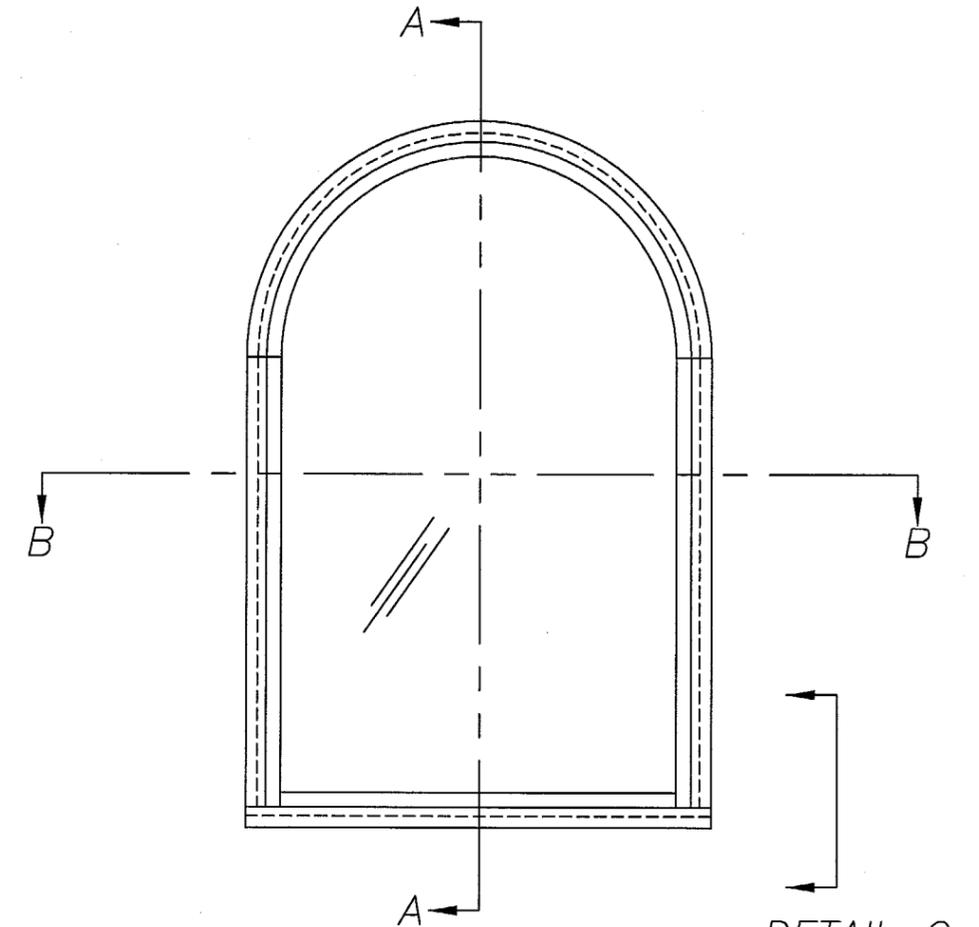
HEXAGON

60" BETWEEN FLATS
Maximum Area 21.65 sq. ft.



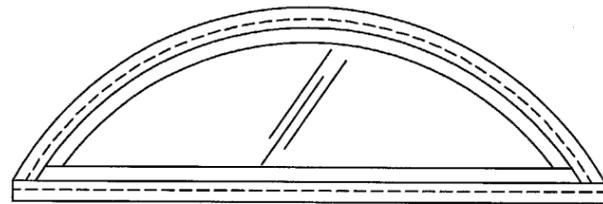
FULL CIRCLE

ø60"
Maximum Area 19.64 sq. ft.



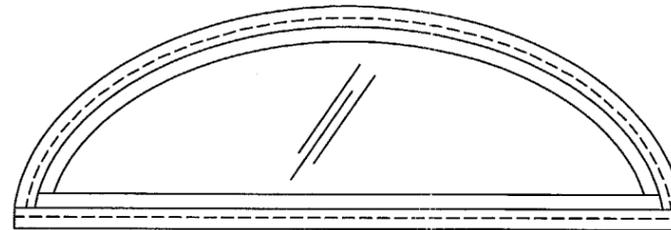
ARCH.

48" X 96"
Maximum Area 30.28 sq. ft.



FAN

96" X 47"
Maximum Area 24.47 sq. ft.



ELLIPTICAL

96" X 47"
Maximum Area 24.61 sq. ft.

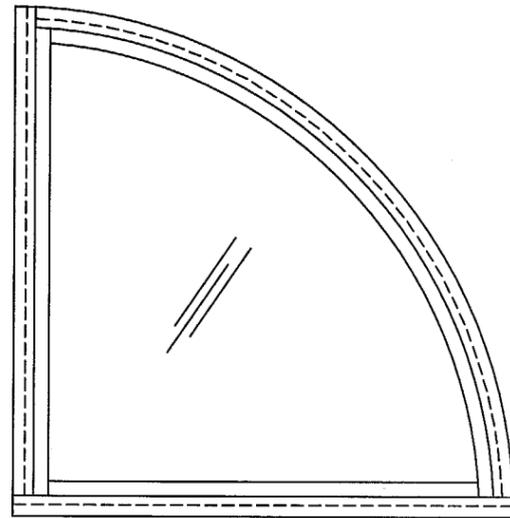
LARGE MISSILE IMPACT WINDOWS

- 1.) GLAZING: 7/16" LAMINATED W/INTERLAYER DUPONT BUCACITE PVB
- 2.) CONFIGURATIONS: 0
- 3.) DESIGN PRESSURE RATING:
+60.0 PSF & -60.0 PSF (3/16" HEAT STRENGTHENED/.090/3/16" HEAT STRENGTHENED LAMI)
+36.0 PSF & -36.0 PSF (3/16" ANNEALED/.090/3/16" ANNEALED)
- 4.) ANCHOR MAXIMUM SPACING: 12.000"
- 5.) NO SHUTTERS REQUIRED
- 6.) ALL FRAME JOINTS TO BE SEAM WELDED
- 7.) REFERENCE TEST REPORT: FTL-2797

R. L. Clark
8/22/02
Robert L. Clark, P.E.
PE #39712
Structural

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE SEP 13 2001
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0102-01

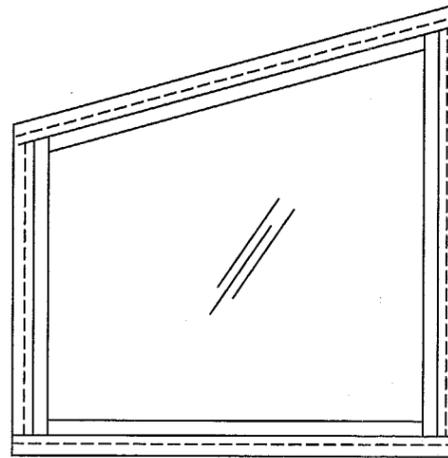
PGT INDUSTRIES	Revsd By: _____ Date: _____	Revisions:
	Drawn By: <u>F.K.</u> Date: <u>8/13/01</u>	<u>REDRAWN</u>
	Description: <u>ELEVATIONS, 7/16 LAMINATED GLASS</u>	
Title: <u>ALUMINUM FIXED WINDOW</u>		
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model: <u>PW-701</u>
Scale: <u>NTS</u>	Sheet: <u>1 of 8</u>	Drawing No. <u>4231</u>
Rev: <u>C</u>		



QUARTER CIRCLE

68" X 68"

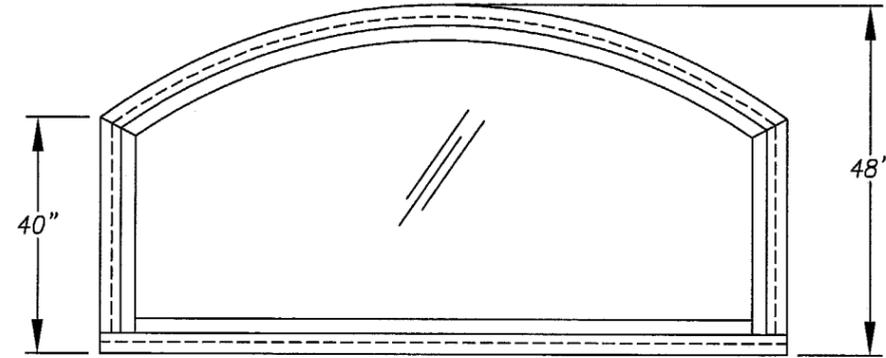
Maximum Area 25.22 sq. ft.



TRAPEZOID

48" x 96"

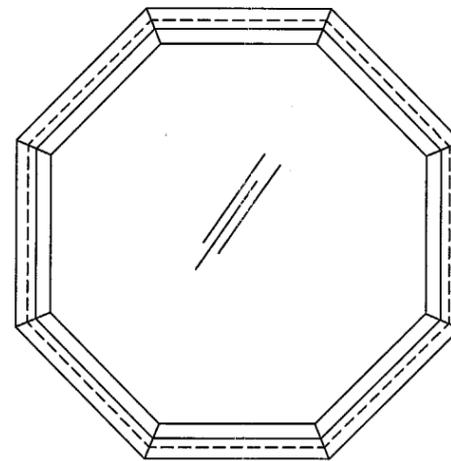
Maximum Area 30.28 sq. ft.



EYEBROW

96" x 48"

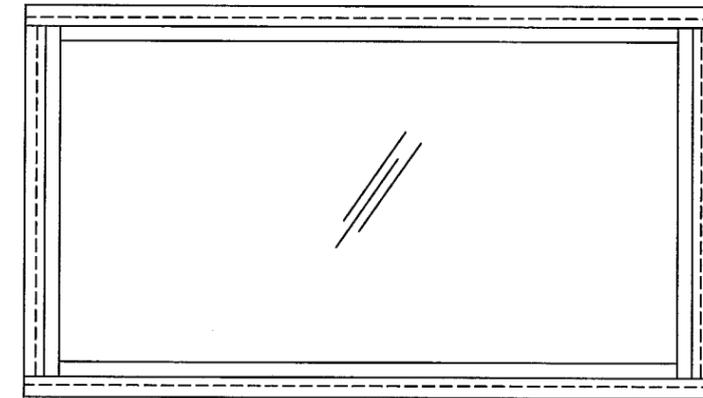
Maximum Area 30.24 sq. ft.



OCTAGON

60" x 60"

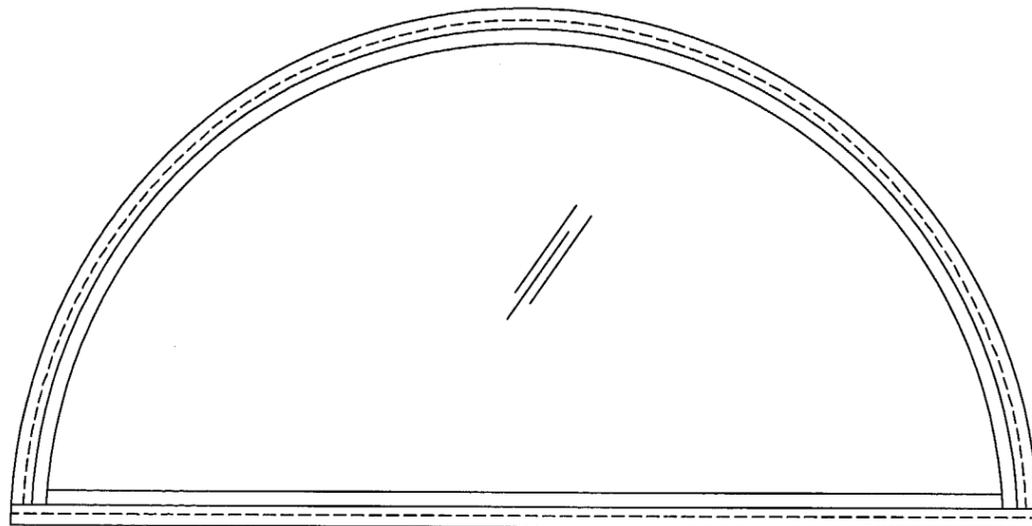
Maximum Area 20.71 sq. ft.



RECTANGLE

48" x 96"

Maximum Area 32.00 sq. ft.



HALF CIRCLE

96" x 48"

Maximum Area 25.13 sq. ft.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE SEP 13 2001
BY Maurice [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0102-01

LARGE MISSILE IMPACT WINDOWS CONT.

Robert L. Clark
8/22/01

Robert L. Clark, P.E.
PE #39712
Structural



1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

Series/Model:
PW-701

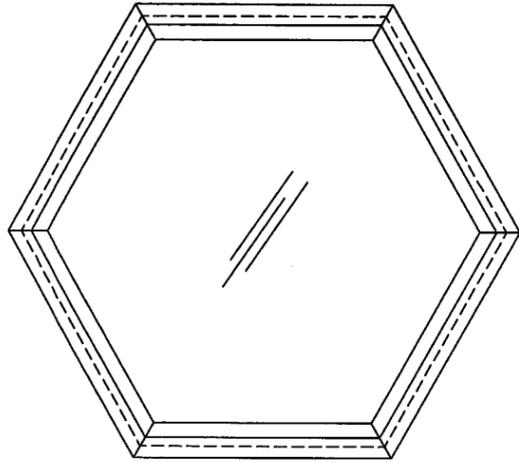
Scale:
NTS

Sheet:
2 of 8

Drawing No.
4231

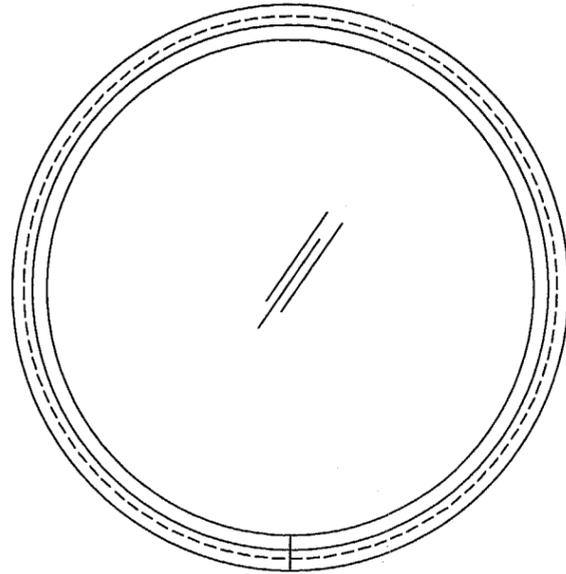
Rev:
C

Revsd By:	Date:	Revisions:
Drawn By: F.K.	Date: 8/13/01	REDRAWN
Description: ELEVATIONS, 7/16 LAMINATED GLASS		
Title: ALUMINUM FIXED WINDOW		



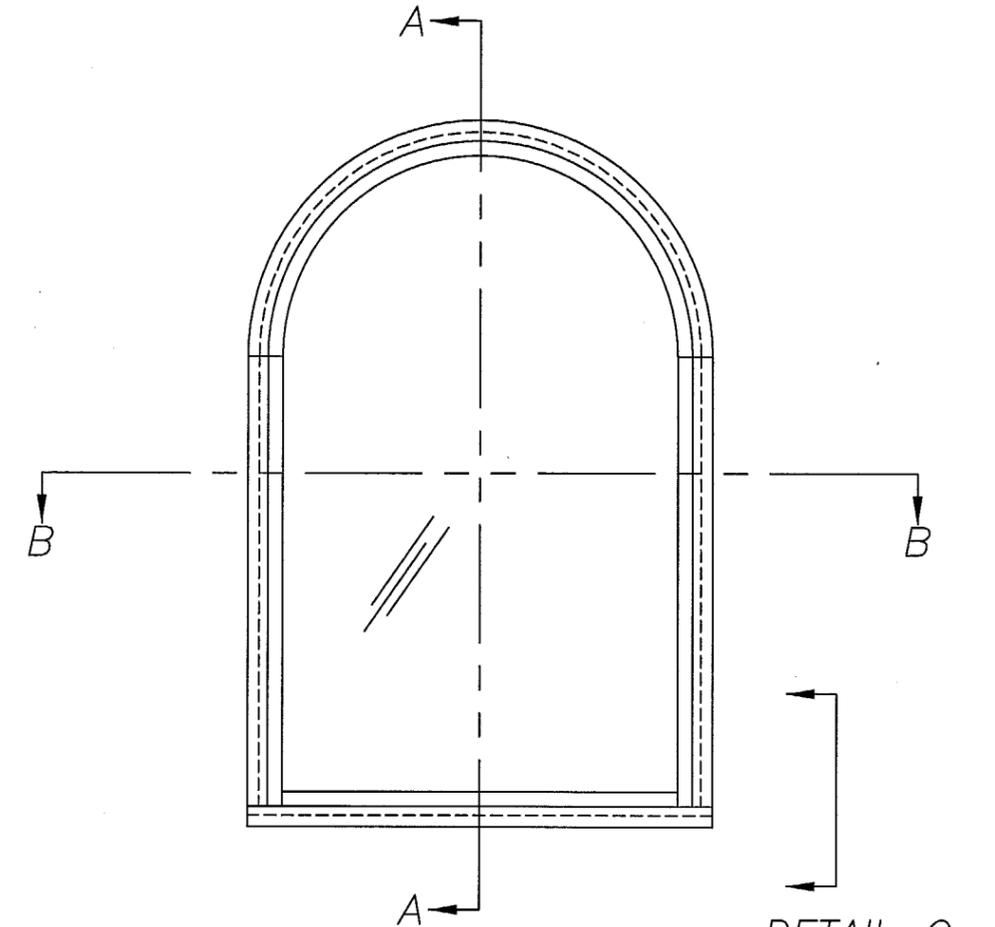
HEXAGON

60" BETWEEN FLATS
Maximum Area 21.65 sq. ft.



FULL CIRCLE

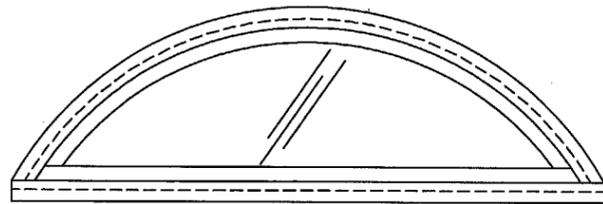
ø60"
Maximum Area 19.64 sq. ft.



ARCH.

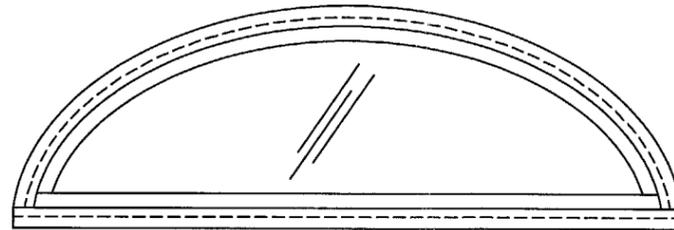
60" x 120"
Maximum Area 47.32 sq. ft.

DETAIL C
SEE SHT. 7



FAN

120" x 55"
Maximum Area 35.20 sq. ft.



ELLIPTICAL

120" x 48"
Maximum Area 31.46 sq. ft.

NON-IMPACT WINDOWS

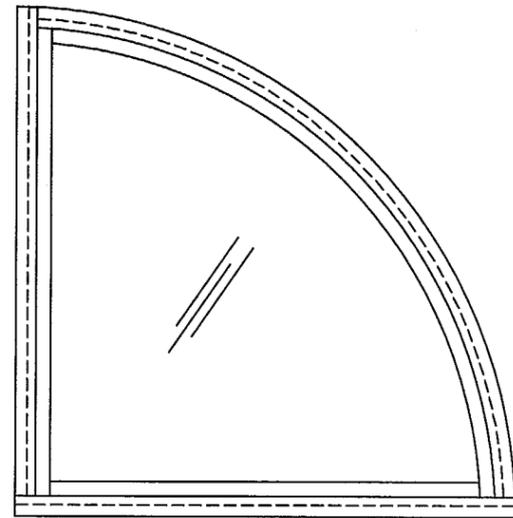
- 1.) GLAZING: 3/16" TEMPERED
- 2.) CONFIGURATIONS: 0
- 3.) FOR DESIGN PRESSURE RATING SEE COMPARATIVE ANALYSIS ON SHT. 8 OF 8
- 4.) ANCHOR MAXIMIM SPACING: 12.000"
- 5.) SHUTTERS REQUIRED AT ALL INSTALLATIONS
- 6.) ALL FRAME JOINTS TO BE SEAM WELDED
- 7.) REFERENCE TEST REPORTS: FTL-2763, 2780 & 2816

Robert L. Clark
8/22/01

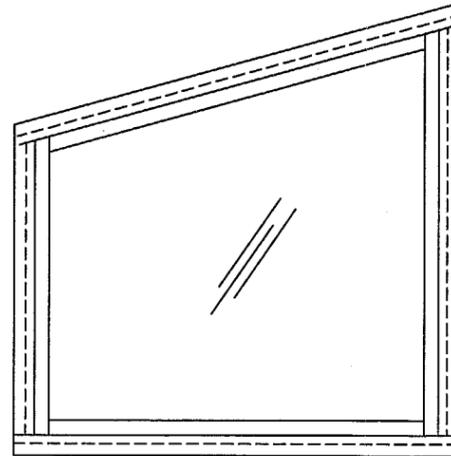
Robert L. Clark, P.E.
PE #39712
Structural

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE SEP 13 2001
BY Manned Arz
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0102-01

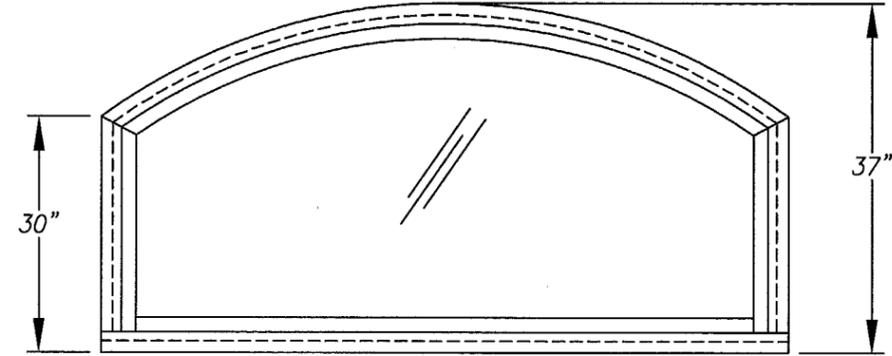
	Revsd By: Date:	Revisions:
	Drawn By: F.K. Date: 8/13/01	REDRAWN
	Description: ELEVATIONS, 3/16 TEMPERED GLASS	
Title: ALUMINUM FIXED WINDOW		
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model: PW-701
Scale: NTS	Sheet: 3 of 8	Drawing No. 4231
		Rev: C



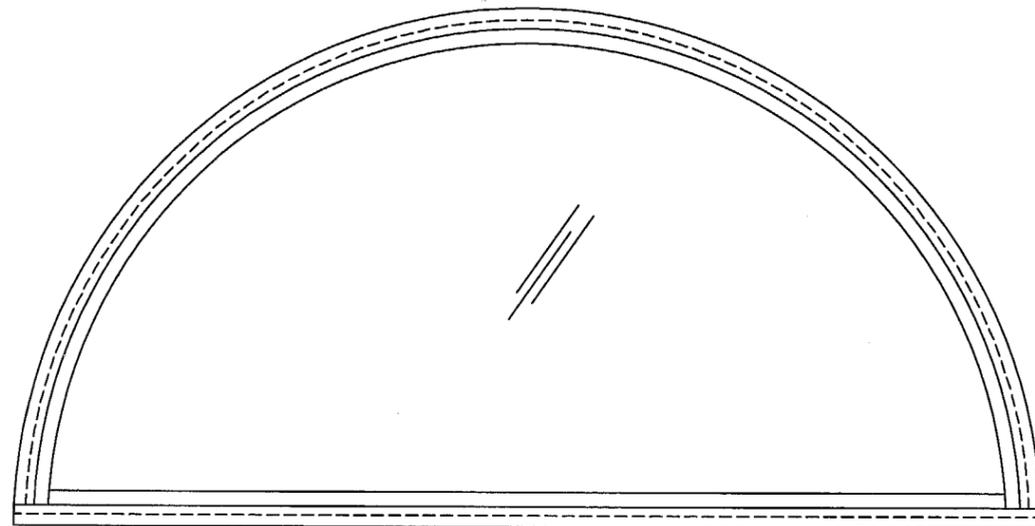
QUARTER CIRCLE
68" x 68"
Maximum Area 25.22 sq. ft.



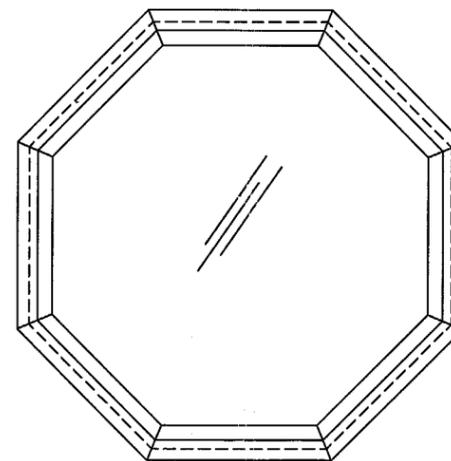
TRAPEZOID
60" x 120"
Maximum Area 43.75 sq. ft.



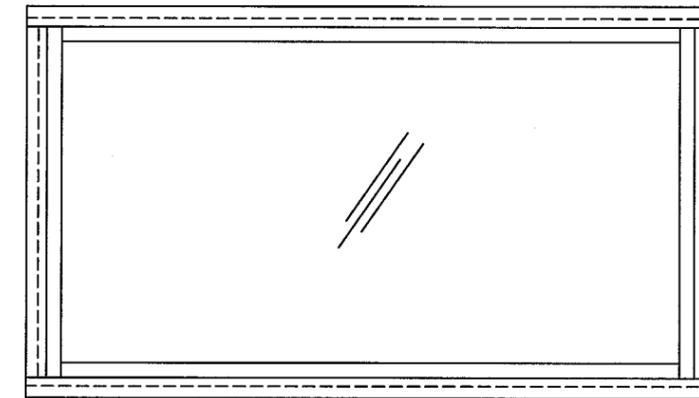
EYEBROW
74" x 37"
Maximum Area 17.83 sq. ft.



HALF CIRCLE
120" x 60"
Maximum Area 39.27 sq. ft.



OCTAGON
60" x 60"
Maximum Area 20.71 sq. ft.



RECTANGLE
60" x 120"
Maximum Area 50.00 sq. ft.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **SEP 13 2001**
BY *Mannet Perez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0102-01

NON-IMPACT WINDOWS CONT.

R. L. Clark
8/22/01
Robert L. Clark, P.E.
PE #39712
Structural

PGT
INDUSTRIES

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

Series/Model:
PW-701

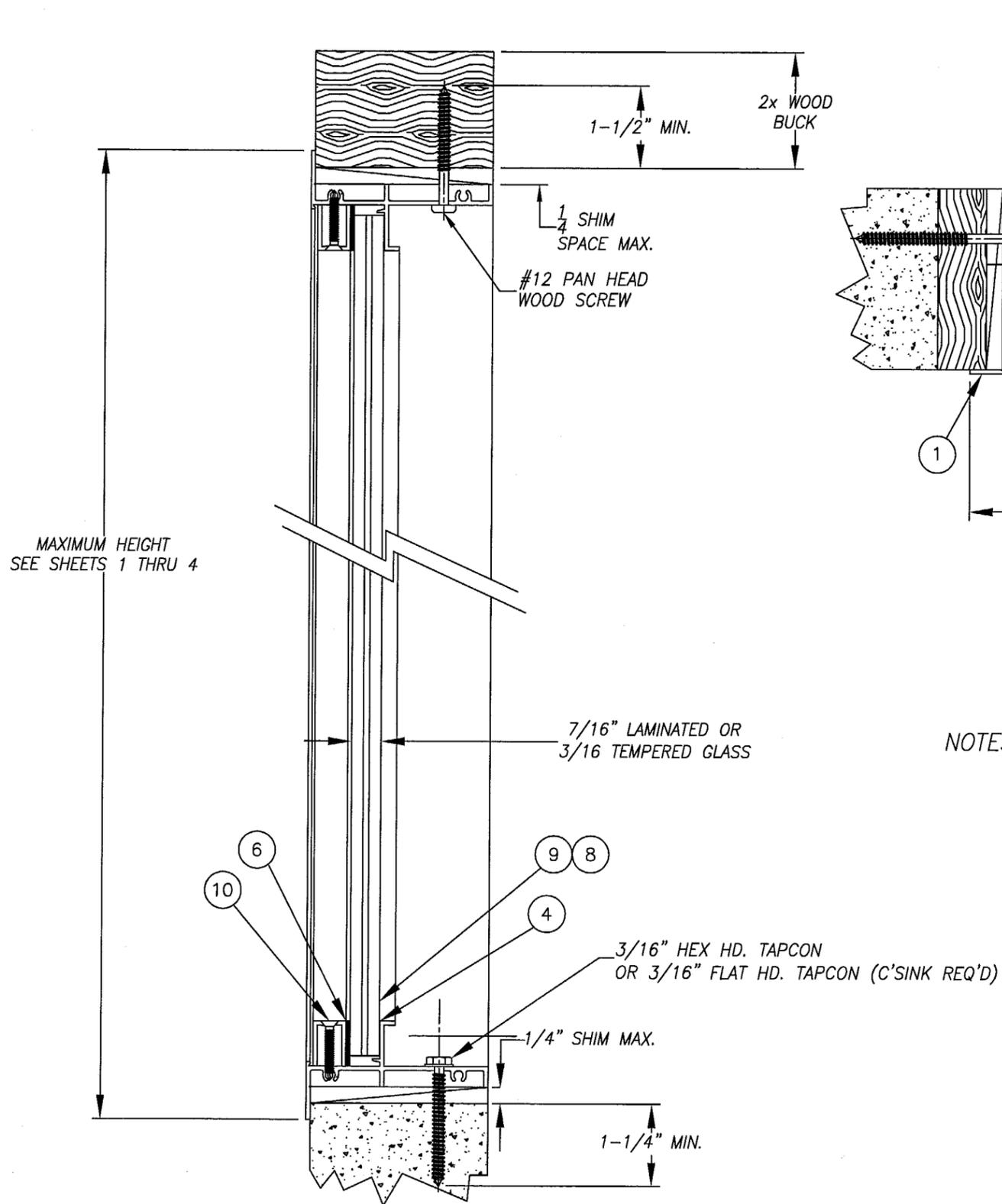
Scale:
NTS

Sheet:
4 of 8

Drawing No.
4231

Rev:
C

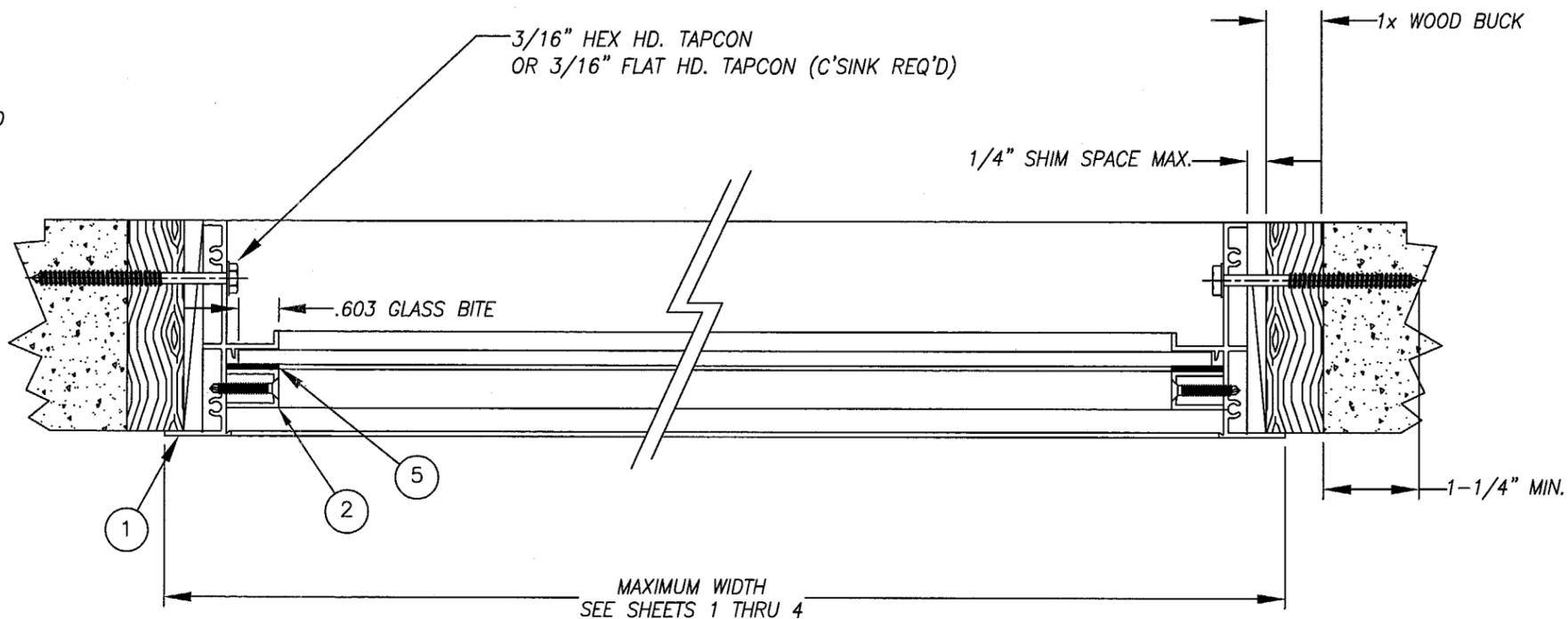
Revsd By:	Date:	Revisions:
Drawn By: F.K.	Date: 8/13/01	REDRAWN
Description: ELEVATIONS, 3/16 TEMPERED GLASS		
Title: ALUMINUM FIXED WINDOW		



MAXIMUM HEIGHT
SEE SHEETS 1 THRU 4

SECTION A-A
TYPICAL SECTION

& INSTALLATION INTO CONCRETE AT SILL & WOOD AT HEAD



SECTION B-B
TYPICAL SECTION
& ALTERNATE INSTALLATION INTO CONCRETE

NOTES: 1. MAXIMUM OVERALL DIMENSIONS ARE APPLICABLE TO SECTIONED ARCH. SHAPES. ANCHORAGE METHODS ARE APPLICABLE TO ALL SHAPES SHOWN ON SHEETS 1 THROUGH 4 OF 8.

2. REFERENCE TEST REPORTS: FTL-2763, FTL-2780, FTL-2797 & FTL-2816

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **SEP 13 2001**
BY *Manuel S...*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **01-0162-01**

Robert L. Clark
8/25/02
Robert L. Clark, P.E.
PE #39712
Structural



1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

Series/Model:
PW-701

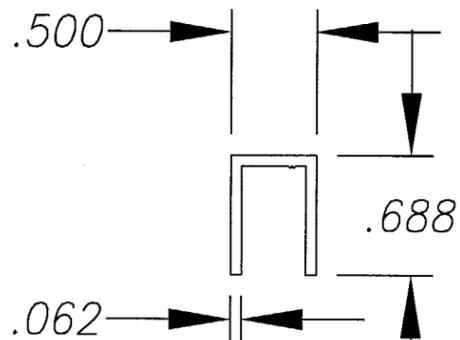
Scale:
NTS

Sheet:
5 of 8

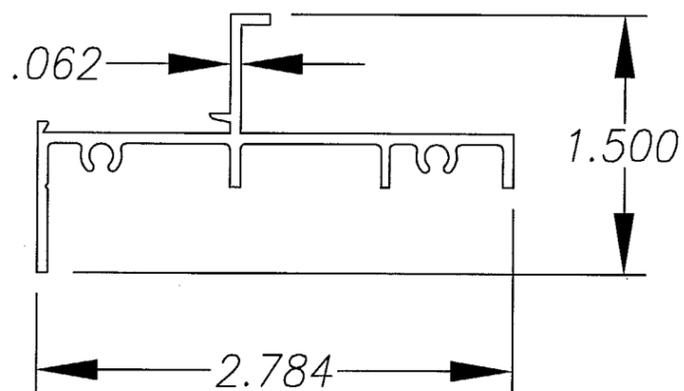
Drawing No.
4231

Rev:
C

Revsd By:	Date:	Revisions:
Drawn By: F.K.	Date: 8/13/01	REDRAWN
Description: SECTIONAL & ANCHORAGE VIEWS		
Title: ALUMINUM FIXED WINDOW		
Series/Model:	Scale:	Sheet:
PW-701	NTS	5 of 8
Drawing No.	4231	Rev: C



② PW-701 U-CHANNEL GLAZING BEAD



① PW-701 FRAME EXTRUSION

REFERENCE TEST REPORTS: FTL-2763, FTL-2780, FTL-2797 & 2816

Robert L. Clark
 Robert L. Clark, P.E.
 PE #39712
 Structural

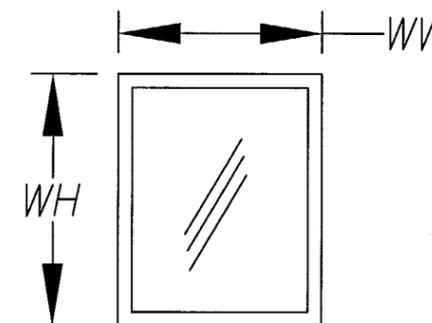
BILL OF MATERIAL

MK.	PART #	DESCRIPTION	VENDOR	VENDOR #
1	612242	FRAME HEAD, SILL & JAMB	6063-T5	AF-12242
2	6533402	U-CHANNEL GLAZING BEAD	6063-T5	AF-533402
3	7834	#8 x 3/4 PN. PH. SMS	SPENCER OR =	
4	62899C/62501C	SILICON BACK BEDDING	DOW/G.E. OR =	
5	61412K	CLOSED CELL FOAM TAPE FOR 3/16 GLASS	TAPE SPECIALISTS OF FL OR =	
6	62BV1510	CLOSED CELL FOAM TAPE FOR 7/16 GLASS	TAPE SPECIALISTS OF FL OR =	
7	6SM55W	SEAM SEALER	SCHNEE/MOREHEAD OR =	SM5504
8		3/16 TEMPERED GLASS	TRIPLE DIAMOND GLASS OR =	
9	SEE NOTE	7/16 LAMI (.187HS/.090/.187HS)	TRIPLE DIAMOND GLASS OR =	
10	7PWSW	#6 x 7/8 FL. PH. TEK	SPENCER OR =	
11	SEE NOTE	7/16 LAMI (.187A/.090/.187A)	TRIPLE DIAMOND GLASS OR =	

NOTE: ITEM 9 & 11 USES DUPONT BUTACITE PVB INTERLAYER

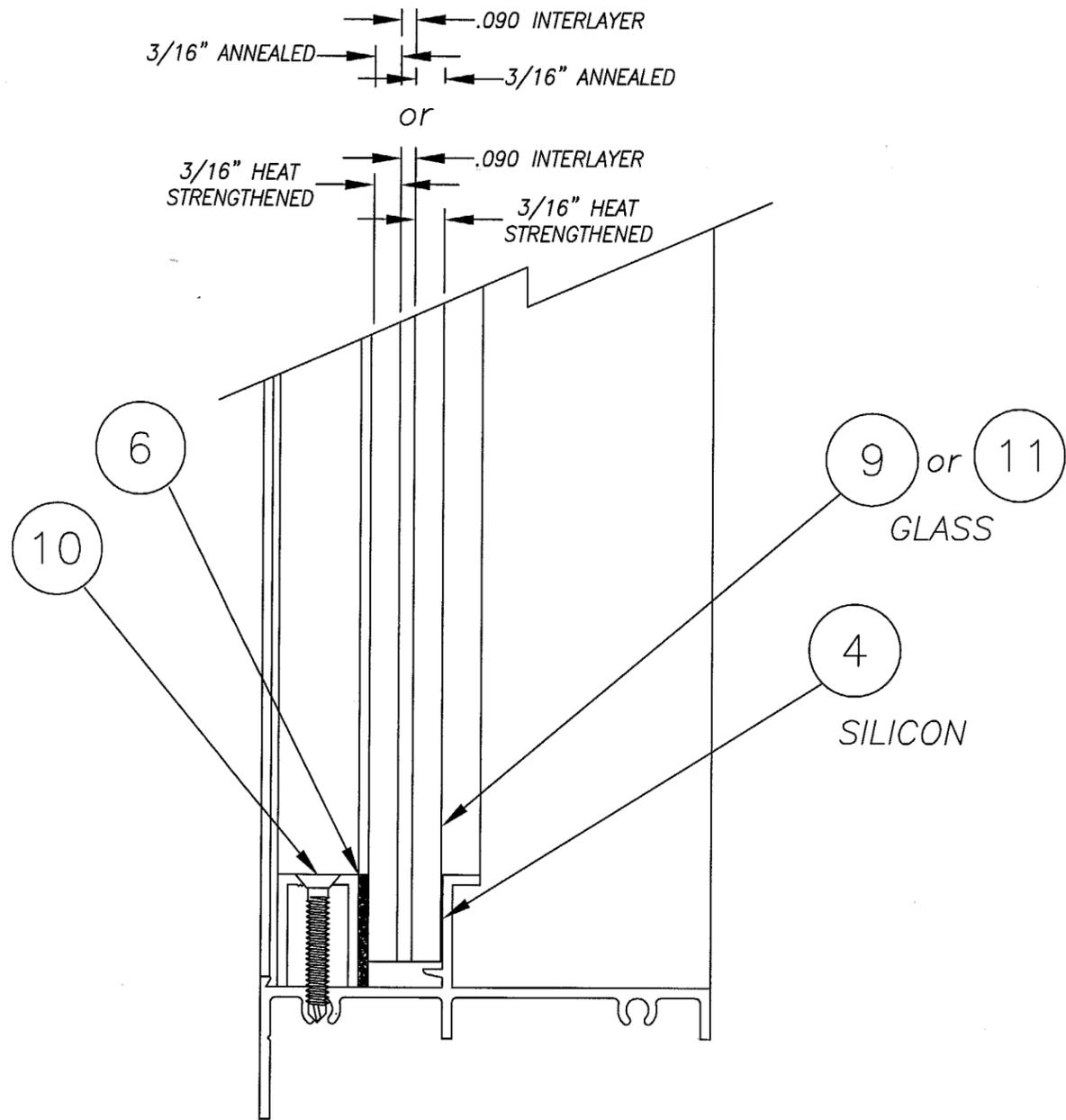
VISIBLE LIGHT CALCULATION

WINDOW WIDTH "TIP TO TIP" - 3.00"
 WINDOW HEIGHT "TIP TO TIP" - 3.00"

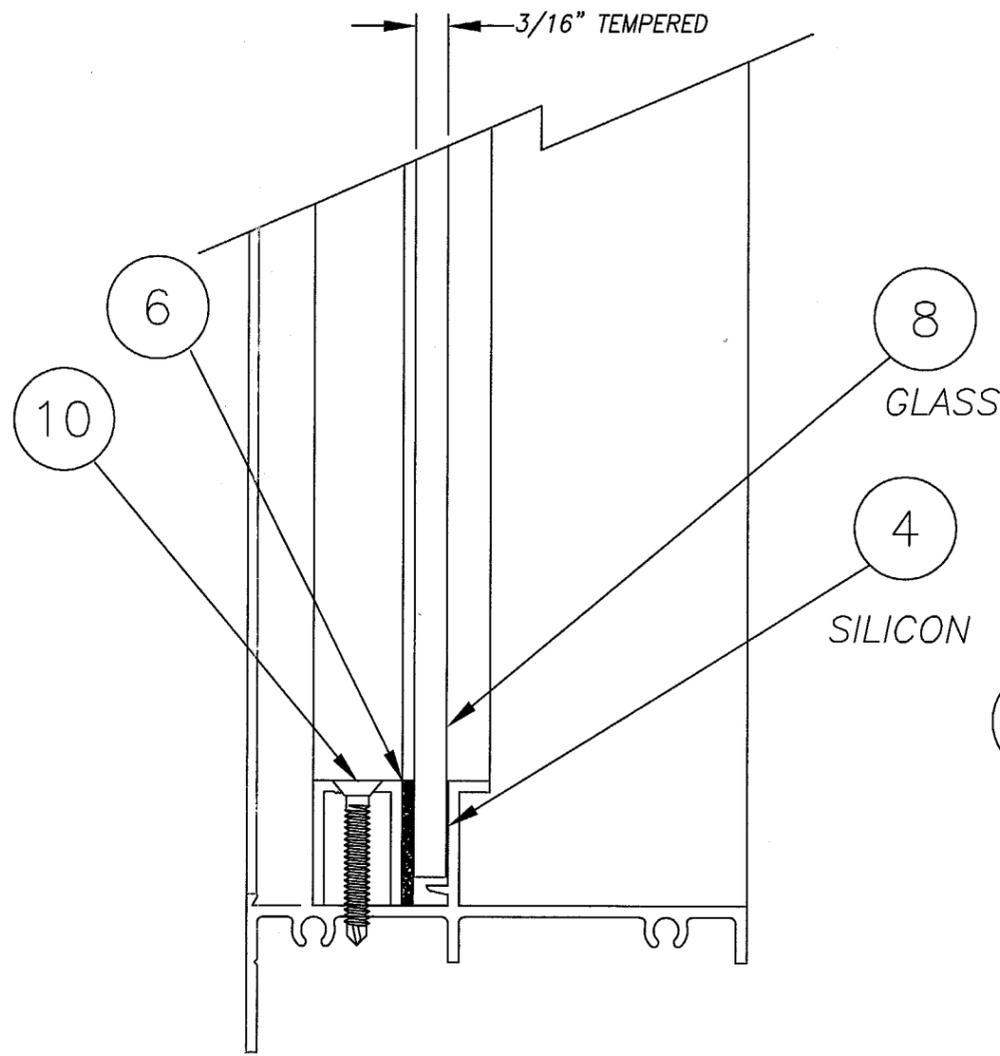


APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE SEP 13 2001
 BY *Manuel*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-0102-01

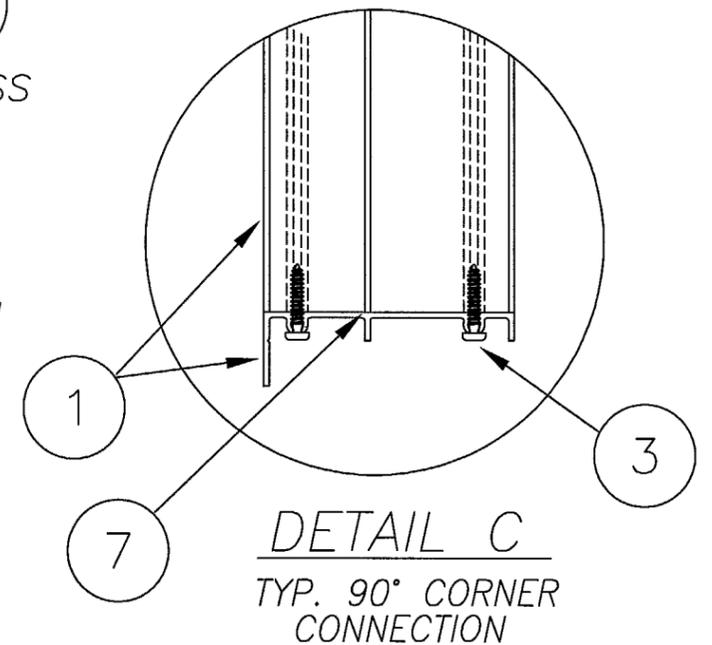
	Revsd By: _____ Date: _____	Revisions:
	Drawn By: F.K. Date: 8/13/01	REDRAWN
	Description: EXTRUSION PROFILES & B.O.M.	
Title: ALUMINUM FIXED WINDOW		
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model: PW-701
Scale: NTS	Sheet: 6 of 8	Drawing No. 4231
Rev: C		



TYPICAL GLAZING DETAIL
7/16" LAMINATED GLASS



TYPICAL GLAZING DETAIL
3/16" TEMPERED GLASS



APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE SEP 13 2001
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0102-01

REFERENCE TEST REPORTS: FTL-2763, FTL-2780, FTL-2797 & 2816

[Signature]
8/22/01
Robert L. Clark, P.E.
PE #39712
Structural

PGT
INDUSTRIES

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

Series/Model:
PW-701

Scale:
NTS

Sheet:
7 of 8

Drawing No.
4231

Rev:
C

Revsd By:	Date:	Revisions:
Drawn By: F.K.	Date: 8/13/01	REDRAWN
Description: GLAZING & CORNER DETAIL		
Title: ALUMINUM FIXED WINDOW		

3/16" TEMPERED GLASS

NOTES:

- 1.) Negative Design Loads based on Comparative Analysis and Glass Table ASTM E1300.
- 2.) Positive Design Loads based on Comparative Analysis and Water Test Pressure.
- 3.) Numbers are for #12 screws or 3/16" Tapcons.
- 4.) Anchor maximum spacing: 12"

Negative Design Loads

Window Heights	Window Widths								
	19.125	24.000	26.500	37.000	48.000	60.000	97.000	111.000	120.000
26.000	135.00	135.00	135.00	135.00	135.00	135.00	135.00	122.90	112.60
39.000	135.00	135.00	135.00	135.00	135.00	135.00	79.40	70.00	66.10
51.000	135.00	135.00	135.00	135.00	90.60	80.30	77.40	63.00	55.90
60.000	135.00	135.00	135.00	135.00	90.60	58.00	58.00	58.00	57.40

Positive Design Loads

Window Heights	Window Widths								
	19.125	24.000	26.500	37.000	48.000	60.000	97.000	111.000	120.000
26.000	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
39.000	100.00	100.00	100.00	100.00	100.00	100.00	79.40	70.00	66.10
51.000	100.00	100.00	100.00	100.00	90.60	80.30	77.40	63.00	55.90
60.000	100.00	100.00	100.00	100.00	90.60	58.00	58.00	58.00	57.40

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE SEP 13 2001
 BY Manned
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-0102-01

REFERENCE TEST REPORTS: FTL-2763, FTL-2780, & 2816


 Robert L. Clark, P.E.
 PE #39712
 Structural



	Revsd By:	Date:	Revisions:			
	Drawn By: F.K.	Date: 8/13/01	REDRAWN			
	Description: COMPARATIVE ANALYSIS, NON-IMPACT					
Title: ALUMINUM FIXED WINDOW						
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model: PW-701	Scale: NTS	Sheet: 8 of 8	Drawing No. 4231	Rev: C