



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

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

NOTICE OF ACCEPTANCE (NOA)

**PGT Industries
1070 Technology Drive
Nokomis, FL 34275**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 "PW-701" Aluminum Picture Window-LMI

APPROVAL DOCUMENT: Drawing No. 4259-4, titled "Aluminum Picture Window, Impact", sheets 1 through 10 of 10, prepared by manufacturer, dated 7/14/03, with revision "A", dated 12/15/03, 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.

MISSILE IMPACT RATING: Large and Small Missile Impact

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 consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**



**NOA No 03-1105.01
Expiration Date: February 19, 2009
Approval Date: February 19, 2004
Page 1**

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **4259-4**, titled "Aluminum Picture Window, Impact", sheets 1 through 10 of 10, prepared by manufacturer, dated 7/14/03, with revision "A" dated 12/15/03, signed and sealed by Robert L. Clark, 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) Large 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 an aluminum picture window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3835**, dated 07/18/03, signed and sealed by Joseph Chan, P.E.
2. 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) Large 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 an aluminum picture window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3850**, dated 07/31/03, signed and sealed by Joseph Chan, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300-98, and structural analysis, prepared by manufacturer, dated 10/31/03, signed and sealed by Robert L. Clark, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **02-0828.15** issued to E.I. DuPont DeNemours for "DuPont Butacite PVB Material" dated 11/21/02, expiring on 12/11/05.
2. Notice of Acceptance No. **01-0205.02** issued to Solutia, Inc. for "Saflex / Keepsafe Maximum" dated 5/17/01, expiring on 5/21/06.


Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 03-1105.01

Expiration Date: February 19, 2009

Approval Date: February 19, 2004

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Laboratory compliance letter for Test Report no. **FTL-3835**, issued by Fenestration Testing Laboratory, Inc., dated 08/25/03, signed and sealed by Joseph Chan, P.E.
2. Laboratory compliance letter for Test Report no. **FTL-3850**, issued by Fenestration Testing Laboratory, Inc., dated 08/21/03, signed and sealed by Joseph Chan, P.E.

G. OTHER

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).



Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 03-1105.01
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NOTES: LARGE MISSILE WINDOWS

1. GLAZING OPTIONS:
 - A. 7/16" LAMINATED GLASS COMPRISED OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.
 - B. 7/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.
 - C. 1 1/16" LAMI I.G. GLASS COMPRISED OF (1) LITE OF 3/16" HEAT STRENGTHENED GLASS, A 7/16" AIRSPACE AND 7/16" LAMINATED GLASS WHICH IS COMPRISED OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.
 - D. 1 1/16" LAMI I.G. GLASS COMPRISED OF (1) LITE OF 3/16" HEAT STRENGTHENED GLASS, A 7/16" AIRSPACE AND 7/16" LAMINATED GLASS WHICH IS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.
2. DESIGN PRESSURE RATINGS: (FLANGED - SEE SHEET 5, TABLE 1 AND INTEGRAL FIN - SEE SHEET 6, TABLE 2)
 - A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-98 (AND ASTM E 1300-94 OUTSIDE MIAMI-DADE COUNTY).
 - B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-98 (AND ASTM E 1300-94 OUTSIDE MIAMI-DADE COUNTY).
 - C. DESIGN PRESSURES UNDER 40 P.S.F. NOT APPLICABLE IN MIAMI-DADE COUNTY.
3. FLANGED UNIT ANCHORAGE: SINGLE ROW OF FASTENERS LOCATED AS FOLLOWS: (SEE SHEET 10, DETAILS C, D & E)

HEAD & SILL: MAX. 8 1/2" FROM CORNERS
MAX. 11" O.C.

JAMBS: \triangle MAX. 8 1/2" FROM CORNERS
MAX. 11" O.C.

(DESIGN PRESSURE LIMITED TO 60 P.S.F. WHEN ANCHORING WITH #12 SCREWS)
4. INTEGRAL FIN UNIT ANCHORAGE WITH NAILS: SINGLE ROW OF .130 DIA. x 2 1/2" LG. NAILS AS FOLLOWS: (SEE SHEET 10, DETAIL A)

HEAD & SILL: AT EACH CORNER
MAX. 5" O.C.

JAMBS: AT EACH CORNER
MAX. 5" O.C.
5. INTEGRAL FIN UNIT ANCHORAGE WITH #12 SCREWS: SINGLE ROW OF SCREWS AS FOLLOWS: (SEE SHEET 10, DETAIL B)

HEAD & SILL: MAX. 8 1/2" FROM CORNERS
MAX. 11" O.C.

JAMBS: \triangle MAX. 8 1/2" FROM CORNERS
MAX. 11" O.C.

(DESIGN PRESSURE LIMITED TO 60 P.S.F. WHEN ANCHORING WITH #12 SCREWS)
6. SHUTTER REQUIREMENT: NONE REQUIRED
7. NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME.
8. REFERENCE TEST REPORTS: FTL-3835 & FTL-3850

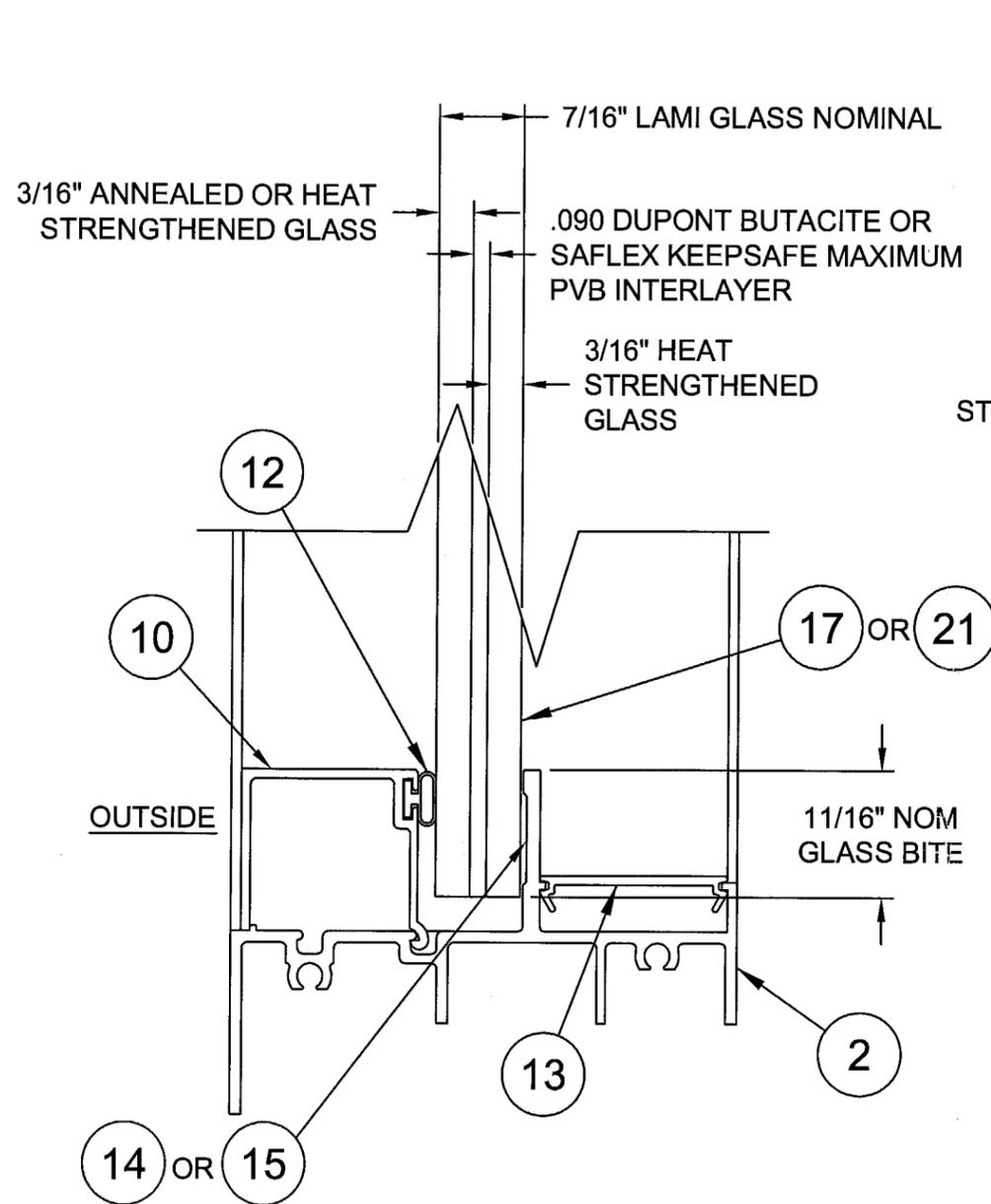
NOA DRAWING TABLE OF CONTENTS	
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Approved as complying with the
Florida Building Code
Date 02/19/04
NOA# 03-1105.01
Miami Dade Product Control
Div
By *Cherodae Roman*

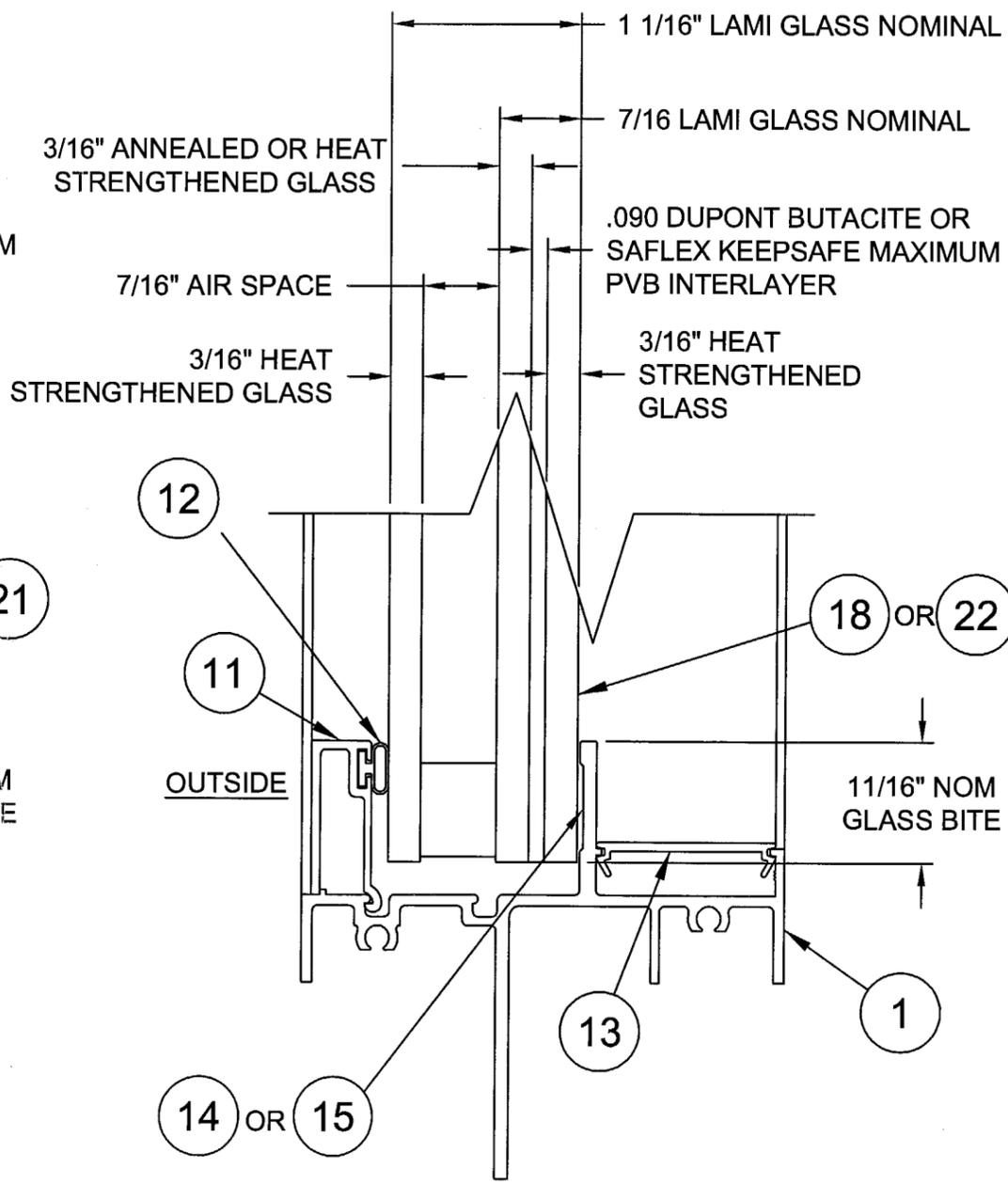
R/L Clark
12/16/03

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

Revsd By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	PGT Visibly Better	Description: NOTES & TABLE OF CONTENTS					
Revsd By:	Date:	Revisions:				Title: ALUMINUM PICTURE WINDOW, IMPACT	Series/Model: PW-701	Scale: NTS	Sheet: 1 of 10	Drawing No. 4259-4	Rev: A
Revsd By: F.K.	Date: 12/15/03	Revisions: A	REDUCE ANCHOR SPACING								
Drawn By: F.K.	Date: 7/14/03	Checked By:	Date:								



**7/16" LAMI GLAZING DETAIL
FLANGED OR INTEGRAL FIN FRAME
(FLANGE FRAME SHOWN)**



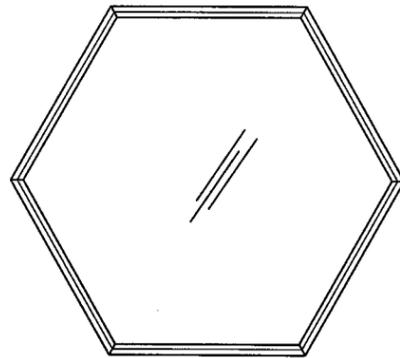
**1 1/16" LAMI I.G. GLAZING DETAIL
FLANGED OR INTEGRAL FIN FRAME
(INTEGRAL FIN FRAME SHOWN)**

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Miami Dade Product Control
Division
By [Signature]

[Signature]
12/16/03

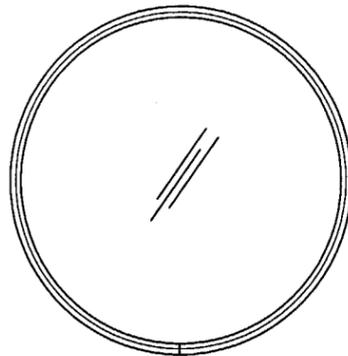
Revsd By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	PGT Visibly Better	Description: GLAZING DETAILS				
Revsd By:	Date:	Revisions:				Title: ALUMINUM PICTURE WINDOW, IMPACT				
Revsd By: F.K.	Date: 12/15/03	Revisions: A	NO CHANGE THIS SHEET			Series/Model: PW-701	Scale: NTS	Sheet: 2 of 10	Drawing No. 4259-4	Rev: A
Drawn By: F.K.	Date: 7/14/03	Checked By:	Date:							

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



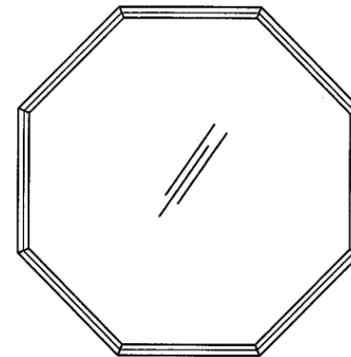
HEXAGON

MAX. SIZE = 60" BETWEEN FLATS
OR MAX. AREA = 21.65 SQ. FT.



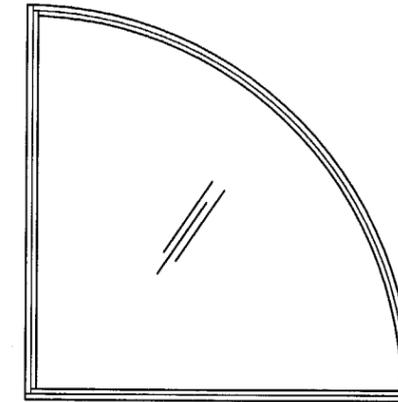
FULL CIRCLE

MAX. SIZE = 60" DIA.
OR MAX. AREA = 19.63 SQ. FT.



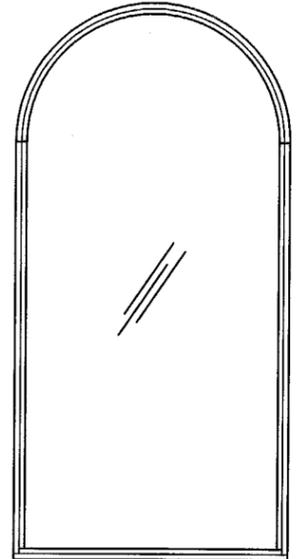
OCTAGON

MAX. SIZE = 60" BETWEEN FLATS
OR MAX. AREA = 20.71 SQ. FT.



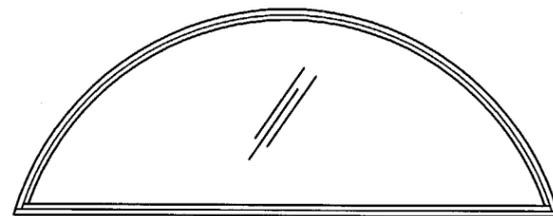
QUARTER CIRCLE

MAX. SIZE = 68" X 68"
OR MAX. AREA = 25.22 SQ. FT.



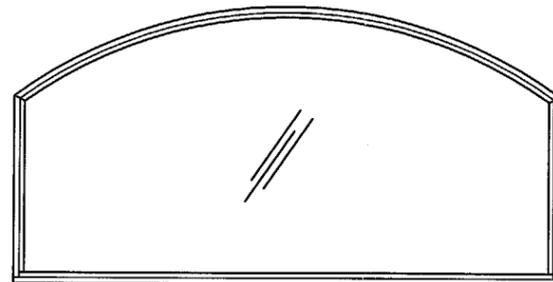
ARCH.

MAX. SIZE = 48" X 96"
OR MAX. AREA = 30.28 SQ. FT.



FAN

MAX. SIZE = 96" X 47"
OR MAX. AREA = 24.47 SQ. FT.



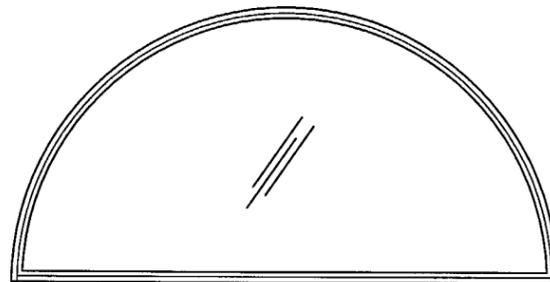
EYEBROW

MAX. SIZE = 96" X 48"
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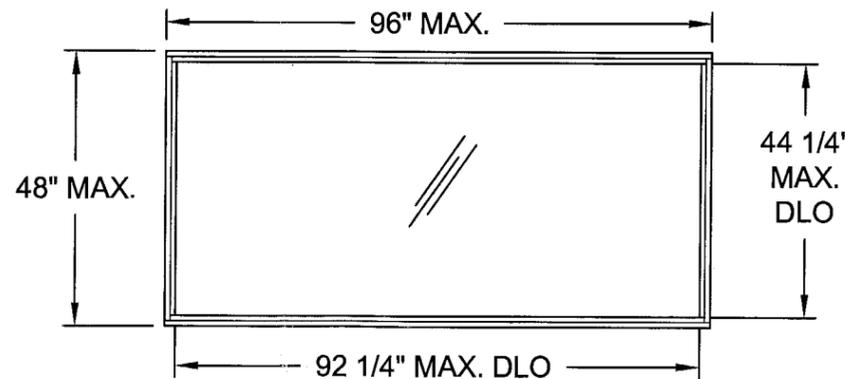
ELLIPTICAL

MAX. SIZE = 96" X 47"
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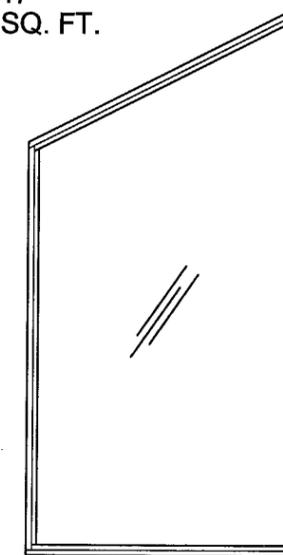
HALF CIRCLE

MAX. SIZE = 96" X 48"
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RECTANGLE

MAX. SIZE = 48" X 96"
OR MAX. AREA = 32.00 SQ. FT.



TRAPEZOID

MAX. SIZE = 48" X 96"
OR MAX. AREA = 31.99 SQ. FT.

NOTE:

FOR ANCHORAGE INFORMATION SEE NOTE 3, SHEET 1
AND SHEET 10, DETAILS C, D & E.

Revsd By:	Date:	Revisions:	
Revsd By:	Date:	Revisions:	
Revsd By:	Date:	Revisions:	
Drawn By:	Date:	Checked By:	Date:
F.K.	7/14/03		
NO CHANGE THIS SHEET			

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274



Description:

FLANGED ELEVATIONS

Title:

ALUMINUM PICTURE WINDOW, IMPACT

Series/Model:

PW-701

Scale:

NTS

Sheet:

3 of 10

Drawing No.

4259-4

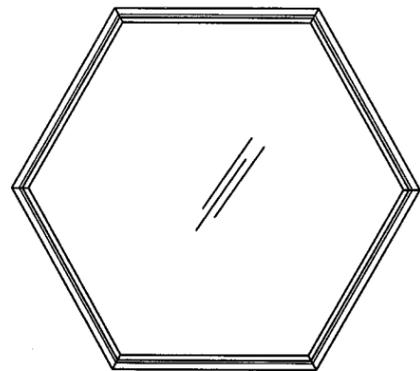
Rev:

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By: *Cherone Bernu*

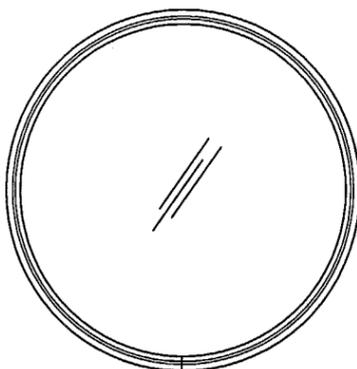
R. L. Clark
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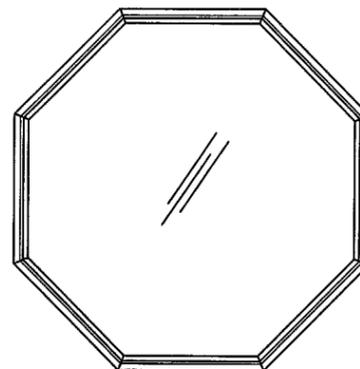
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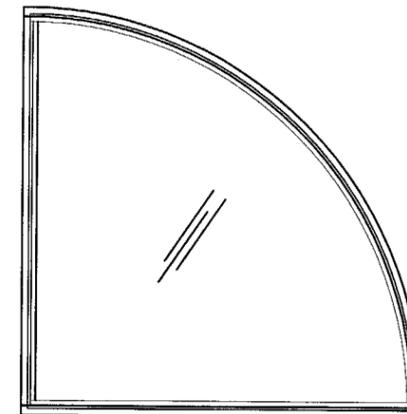
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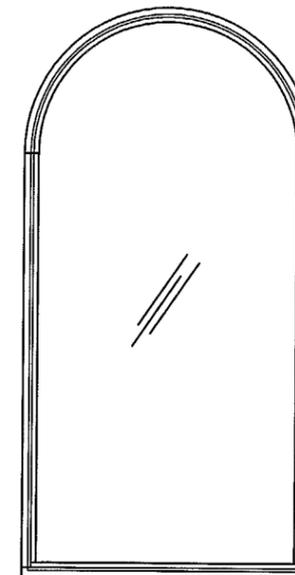
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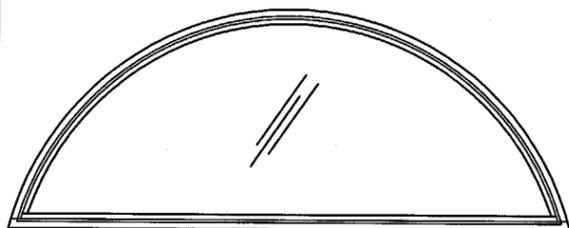
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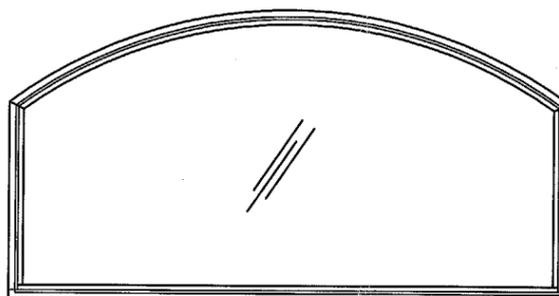
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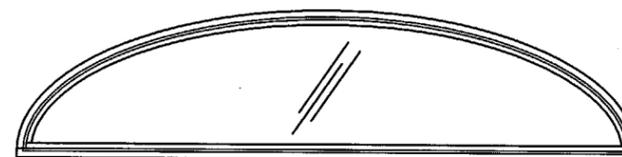
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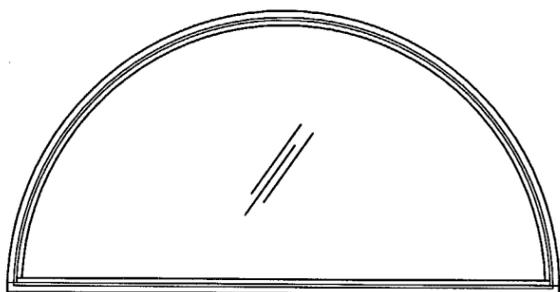
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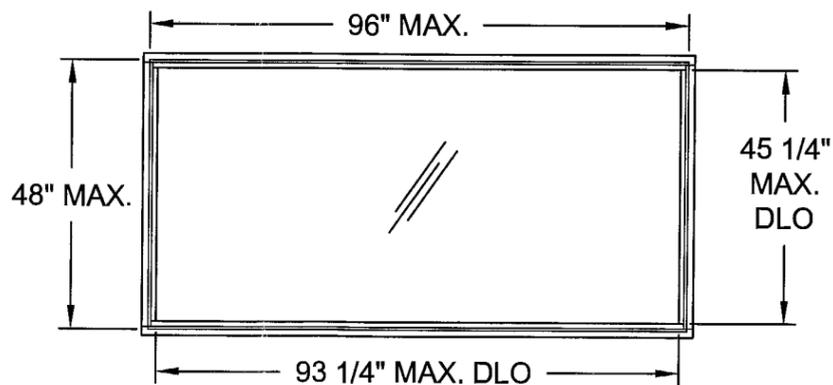
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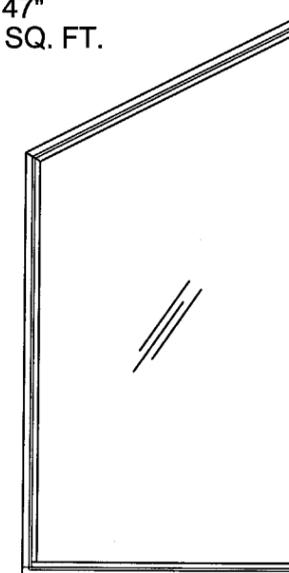
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NOTE:

FOR ANCHORAGE INFORMATION SEE NOTES 4 & 5, SHEET 1
AND SHEET 10, DETAILS A & B.

Approved as complying with the
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Date 02/19/04
NOA# 03-1105.01
Miami Dade Product Control
Division
By *[Signature]*

[Signature]
12/16/03

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Revsd By:	Date:	Revisions:				Title: ALUMINUM PICTURE WINDOW, IMPACT				
Revsd By:	Date:	Revisions:	NO CHANGE THIS SHEET			Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
Drawn By:	Date:	Checked By:	Date:			PW-701	NTS	4 of 10	4259-4	A

COMPARATIVE ANALYSIS TABLE 1.													
WINDOW WIDTH		WINDOW HEIGHT											
		28.500		34.000		39.500		45.000		46.500		48.000	
49.000	A&C	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0
AREA SQ.FT.		9.698		11.569		13.441		15.313		15.823		16.333	
54.500	A&C	80.0	-80.0	80.0	-80.0	80.0	-80.0	76.7	-76.7	74.0	-75.2	74.0	-74.0
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0
AREA SQ.FT.		10.786		12.868		14.950		17.031		17.599		18.167	
60.000	A&C	80.0	-80.0	80.0	-80.0	74.0	-74.0	69.9	-69.9	67.2	-68.6	67.2	-67.2
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0
AREA SQ.FT.		11.875		14.167		16.458		18.750		19.375		20.000	
65.500	A&C	80.0	-80.0	80.0	-80.0	68.5	-68.5	63.5	-63.5	61.3	-62.3	61.3	-61.3
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0
AREA SQ.FT.		12.964		15.465		17.967		20.469		21.151		21.833	
71.000	A&C	80.0	-80.0	79.4	-79.4	63.7	-63.7	57.9	-57.9	56.1	-57.1	56.1	-56.1
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0
AREA SQ.FT.		14.052		16.764		19.476		22.188		22.927		23.667	
76.500	A&C	80.0	-80.0	76.8	-76.8	59.7	-59.7	52.8	-52.8	51.9	-52.1	51.9	-51.9
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0
AREA SQ.FT.		15.141		18.063		20.984		23.906		24.703		25.500	
82.000	A&C	80.0	-80.0	74.1	-74.1	56.5	-56.5	48.3	-48.3	47.6	-48.0	47.6	-47.6
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0
AREA SQ.FT.		16.229		19.361		22.493		25.625		26.479		27.333	
87.500	A&C	80.0	-80.0	70.7	-70.7	53.6	-53.6	43.6	-43.6	43.4	-43.2	43.4	-43.4
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0
AREA SQ.FT.		17.318		20.660		24.002		27.344		28.255		29.167	
93.000	A&C	80.0	-80.0	69.1	-69.1	51.4	-51.4	42.5	-42.5	40.7	-41.0	40.7	-40.7
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	79.4	-79.4
AREA SQ.FT.		18.406		21.958		25.510		29.063		30.031		31.000	
96.000	A&C	80.0	-80.0	68.8	-68.8	50.4	-50.4	41.6	-41.6	39.4	-40.1	39.4	-39.4
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	76.6	-76.6
AREA SQ.FT.		19.000		22.667		26.333		30.000		31.000		32.000	

NOTES:
1. TABLE 1 PRESSURES ARE BASED ON THE LARGEST TESTED SIZE RECTANGULAR WINDOW ANCHORED WITH 1/4" TAPCONS. DESIGN PRESSURES ARE LIMITED TO +/-60 P.S.F. WHEN ANCHORING WITH #12 SCREWS. △
2. ALL MAXIMUM SIZES SHOWN ON SHEET 3 ARE QUALIFIED TO THE PRESSURE OF A 32 SQ. FT. UNIT IN TABLE 1.
3. ALL SHAPES LESS THAN THE MAXIMUM SIZE, QUALIFY TO PRESSURE FOR THE MAXIMUM SIZE LISTED IN TABLE 1, OR TO THE PRESSURE FOR THE SMALLEST RECTANGULAR SIZE IN TABLE 1, WHICH THEIR OVERALL WIDTH AND HEIGHT DIMENSIONS COMPLETELY FIT WITHIN.

Revsd By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	PGT Visibly Better	Description: FLANGED UNIT DESIGN PRESSURES						
Revsd By:	Date:	Revisions:				Title: ALUMINUM PICTURE WINDOW, IMPACT						
Revsd By:	Date:	Revisions:	CHANGE NOTE 1 ANCHORING WITH #12 SCREWS	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model:	Scale:	Sheet:	Drawing No.	Rev:			
Drawn By:	Date:	Checked By:	Date:		PW-701	NTS	5 of 10	4259-4	A			

Approved as complying with the
Florida Building Code
Date 02/19/04
NOAH 02-1105.01
Miami Code Product Control
Division
By: *Charles Berna*

Robert L. Clark
12/2/03

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

COMPARATIVE ANALYSIS TABLE 2.

GLASS TYPE: A. 7/16" LAMINATED GLASS (3/16"A, .090, 3/16HS) FTL-3835
 B. 7/16" LAMINATED GLASS (3/16"HS, .090, 3/16HS) FTL-3835
 C. 1 1/16" LAMI I.G., 3/16HS, 7/16" SPACE, 7/16" LAMI (3/16A, .090, 3/16" HS) FTL-3850
 D. 1 1/16" LAMI I.G., 3/16HS, 7/16" SPACE, 7/16" LAMI (3/16HS, .090, 3/16" HS) FTL-3850

WINDOW WIDTH		WINDOW HEIGHT											
		28.500		34.000		39.500		45.000		46.500		48.000	
49.000	A&C	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	79.4	-80.0	79.4	-79.4
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0
AREA SQ.FT.		9.698		11.569		13.441		15.313		15.823		16.333	
54.500	A&C	80.0	-80.0	80.0	-80.0	78.9	-78.9	74.3	-74.3	71.9	-73.1	71.9	-71.9
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0
AREA SQ.FT.		10.786		12.868		14.950		17.031		17.599		18.167	
60.000	A&C	80.0	-80.0	80.0	-80.0	72.2	-72.2	67.8	-67.8	65.0	-66.4	65.0	-65.0
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0
AREA SQ.FT.		11.875		14.167		16.458		18.750		19.375		20.000	
65.500	A&C	80.0	-80.0	78.9	-78.9	65.5	-65.5	61.7	-61.7	59.6	-60.7	59.6	-59.6
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0
AREA SQ.FT.		12.964		15.465		17.967		20.469		21.151		21.833	
71.000	A&C	80.0	-80.0	75.3	-75.3	61.1	-61.1	56.4	-56.4	54.6	-55.5	54.6	-54.6
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0
AREA SQ.FT.		14.052		16.764		19.476		22.188		22.927		23.667	
76.500	A&C	80.0	-80.0	72.6	-72.6	57.1	-57.1	51.5	-51.5	51.0	-51.3	51.0	-51.0
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0
AREA SQ.FT.		15.141		18.063		20.984		23.906		24.703		25.500	
82.000	A&C	80.0	-80.0	69.4	-69.4	53.8	-53.8	47.2	-47.2	46.6	-46.9	46.6	-46.6
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0
AREA SQ.FT.		16.229		19.361		22.493		25.625		26.479		27.333	
87.500	A&C	80.0	-80.0	66.4	-66.4	51.0	-51.0	42.6	-42.6	43.1	-42.7	43.1	-43.1
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0
AREA SQ.FT.		17.318		20.660		24.002		27.344		28.255		29.167	
93.000	A&C	80.0	-80.0	65.0	-65.0	48.9	-48.9	41.2	-41.2	40.4	-40.2	40.4	-40.4
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	79.7	-79.7	76.0	-76.0
AREA SQ.FT.		18.406		21.958		25.510		29.063		30.031		31.000	
96.000	A&C	80.0	-80.0	63.9	-63.9	48.0	-48.0	40.2	-40.2	39.0	-38.9	39.0	-39.0
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	76.9	-76.9	73.1	-73.1
AREA SQ.FT.		19.000		22.667		26.333		30.000		31.000		32.000	

NOTES:

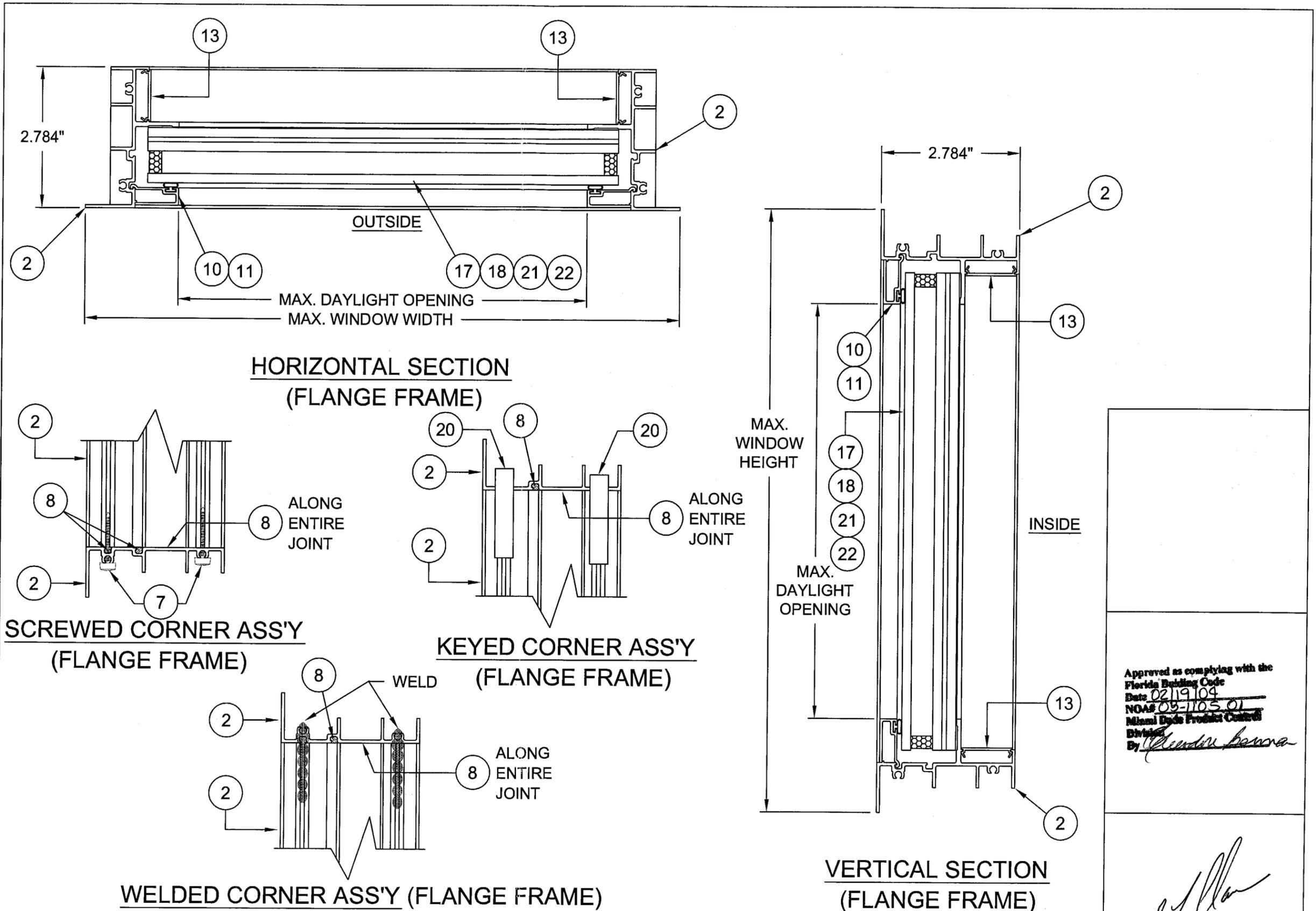
- TABLE 2 PRESSURES ARE BASED ON THE LARGEST TESTED SIZE RECTANGULAR WINDOW ANCHORED WITH 1/4" TAPCONS. DESIGN PRESSURES ARE LIMITED TO +/-60 P.S.F. WHEN ANCHORING WITH #12 SCREWS.
- ALL MAXIMUM SIZES SHOWN ON SHEET 4 ARE QUALIFIED TO THE PRESSURE OF A 32 SQ. FT. UNIT IN TABLE 2.
- ALL SHAPES LESS THAN THE MAXIMUM SIZE, QUALIFY TO PRESSURE FOR THE MAXIMUM SIZE LISTED IN TABLE 2, OR TO THE PRESSURE FOR THE SMALLEST RECTANGULAR SIZE IN TABLE 2, WHICH THEIR OVERALL WIDTH AND HEIGHT DIMENSIONS COMPLETELY FIT WITHIN.

Revsd By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	PGI Visibly Better	Description: INTEGRAL FIN UNIT DESIGN PRESSURES					
Revsd By:	Date:	Revisions:				Title: ALUMINUM PICTURE WINDOW, IMPACT					
Revsd By:	Date:	Revisions:		P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model: PW-701	Scale: NTS	Sheet: 6 of 10	Drawing No. 4259-4	Rev: A	CHANGE NOTE 1 ANCHORING WITH #12 SCREWS	
Drawn By:	Date:	Checked By:	Date:							F.K. 7/14/03	

Approved as complying with the
 Florida Building Code
 Date: 02/19/04
 NOAS 03-1105.01
 Miami Code Product Control
 Division
 By: *[Signature]*

[Signature]
 12/16/03

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

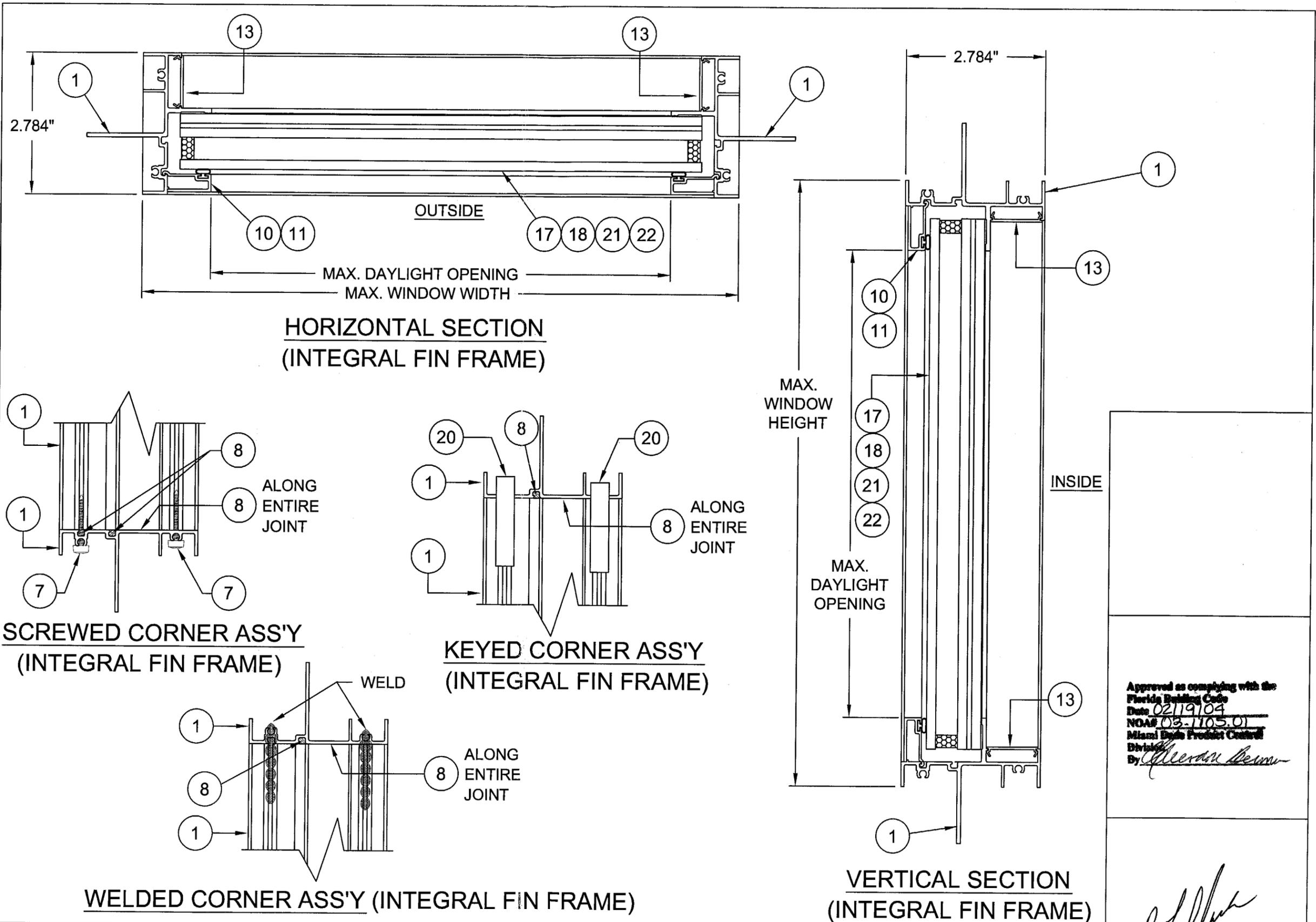


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 Florida Building Code
 Date 02/19/04
 NOAC 03-1105.01
 Miami Code Prohibit Control
 By *Clendon Barrow*

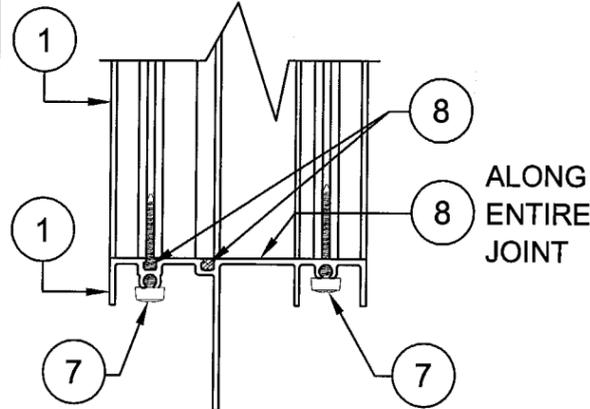
R. L. Clark
 12/16/03

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

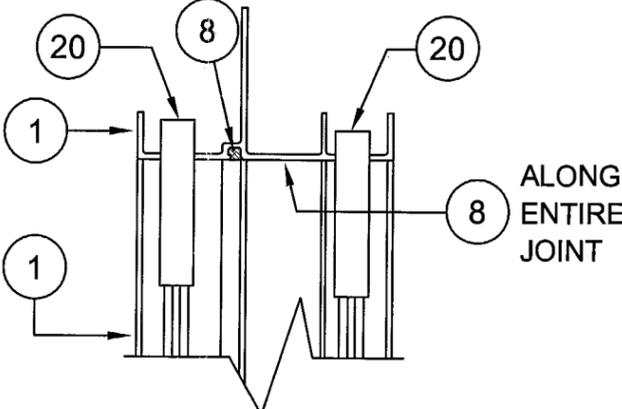
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Revsd By:	Date:	Revisions:				Title: ALUMINUM PICTURE WINDOW, IMPACT				
Revsd By: F.K.	Date: 12/15/03	Revisions: A	NO CHANGE THIS SHEET			Series/Model: PW-701	Scale: NTS	Sheet: 7 of 10	Drawing No. 4259-4	Rev: A
Drawn By: F.K.	Date: 7/14/03	Checked By:	Date:							



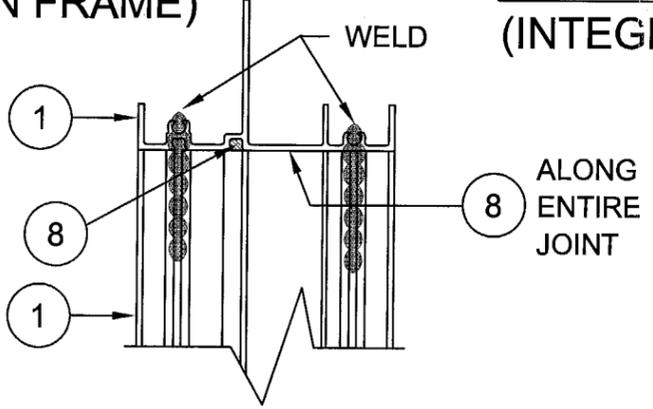
**HORIZONTAL SECTION
(INTEGRAL FIN FRAME)**



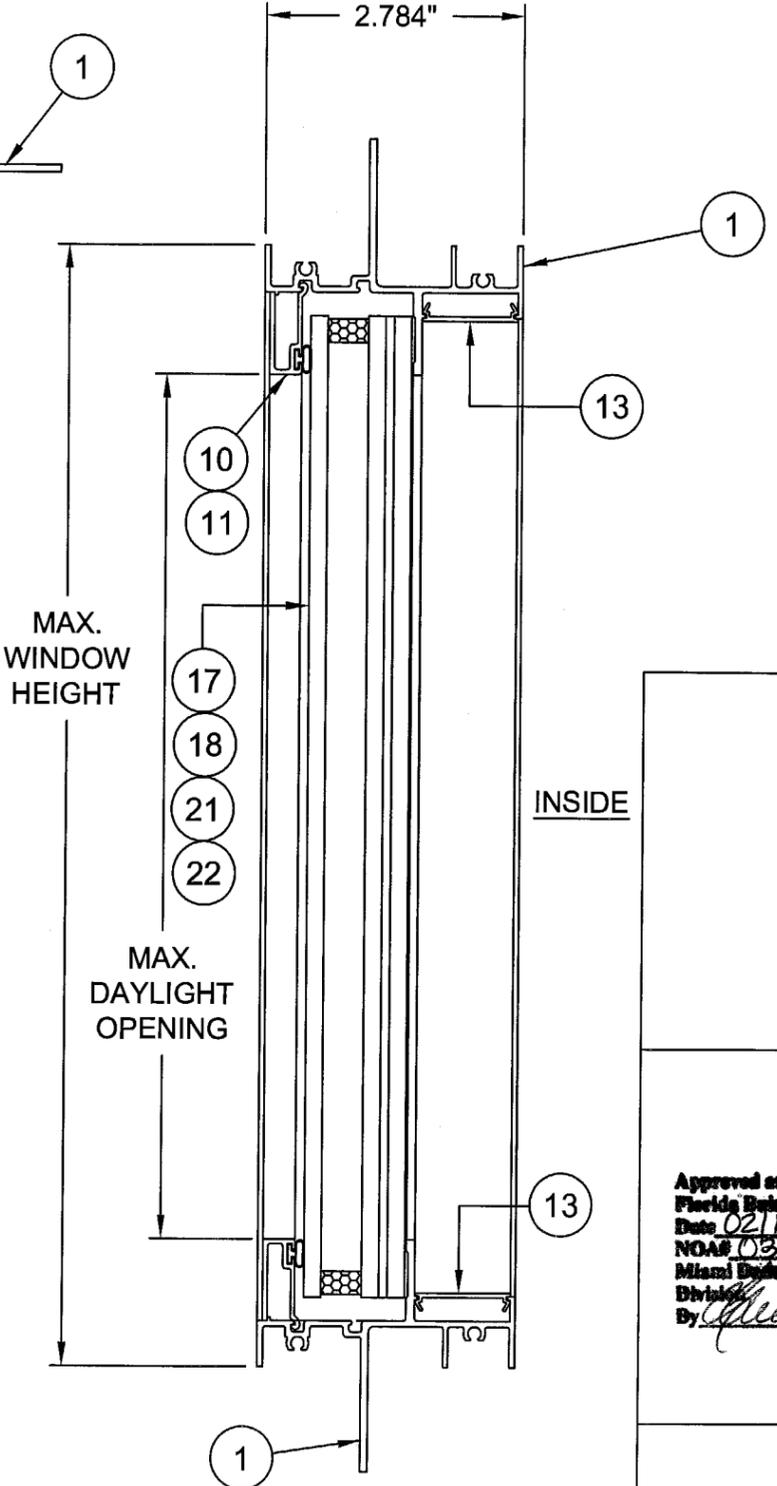
**SCREWED CORNER ASS'Y
(INTEGRAL FIN FRAME)**



**KEYED CORNER ASS'Y
(INTEGRAL FIN FRAME)**



WELDED CORNER ASS'Y (INTEGRAL FIN FRAME)



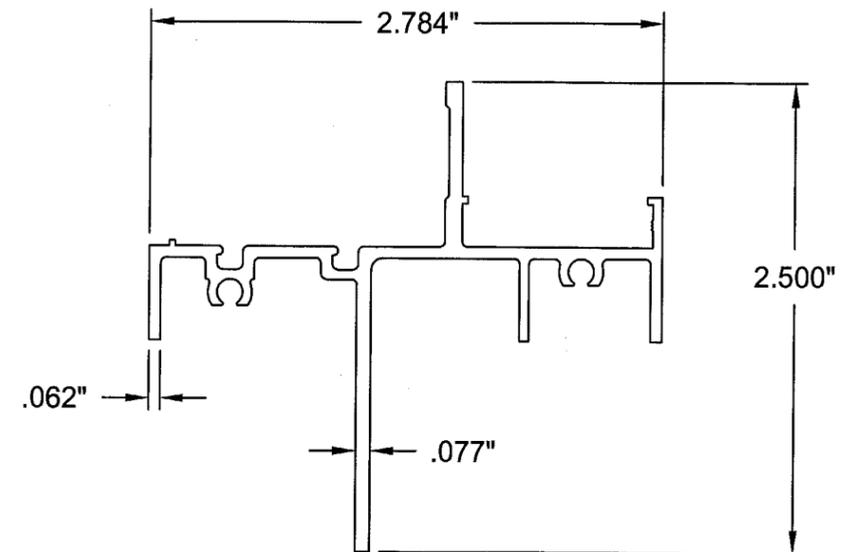
**VERTICAL SECTION
(INTEGRAL FIN FRAME)**

Approved as complying with the
Florida Building Code
Date 02/19/04
NOAR 03-1103.01
Miami Dade Product Control
Division
By *Michael Demm*

R. L. Clark
12/14/03
Robert L. Clark, P.E.
PE #39712
Structural

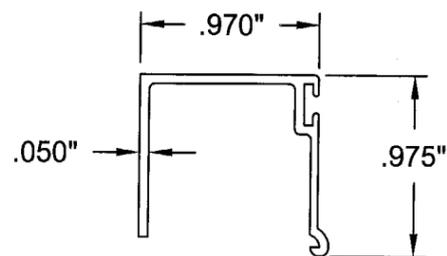
Revsd By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	PGI Visibly Better	Description: SECTIONS, INTEGRAL FIN				
Revsd By:	Date:	Revisions:				Title: ALUMINUM PICTURE WINDOW, IMPACT				
Revsd By: F.K.	Date: 12/15/03	Revisions: A	NO CHANGE THIS SHEET			Series/Model: PW-701	Scale: NTS	Sheet: 8 of 10	Drawing No. 4259-4	Rev: A
Drawn By: F.K.	Date: 7/14/03	Checked By:	Date:							

ITEM	DWG NO.	PART #	DESCRIPTION
1	4256A	64256	INTEGRAL FIN FRAME HEAD, SILL & JAMB
2	4253	64253	FLANGED FRAME HEAD, SILL & JAMB
7	1155	781PQX	#8 X 1 QUAD PN SMS STAINLESS STEEL
8			SCHNEE-MOREHEAD SM5504 ACRYL-R NARROW JOINT SEALANT OR EQUAL
10	4255	64255	7/16 LAMI GLASS BEAD
11	4254	64254	1 1/16 LAMI I.G. GLASS BEAD
12	1224	6TP247	VINYL BULB WEATHERSTRIP (THICK)
13	4224		INSTALLATION FASTENER COVER
14			DOW CORNING 899 GLAZING SEALANT
15			DOW CORNING 995 SILICONE STRUCTURAL SEALANT, BLACK
17			7/16" LAMI GLASS: 3/16" ANNEALED - .090 DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB INTERLAYER - 3/16" HEAT STRENGTHENED
18			1 1/16" LAMI I.G. GLASS: 3/16" HEAT STRENGTHENED OUTBOARD - 7/16" AIRSPACE - 3/16" ANNEALED - .090 DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB INTERLAYER - 3/16" HEAT STRENGTHENED
20	4262	64262	ARCHITECTURAL CORNER KEY
21			7/16" LAMI GLASS: 3/16" HEAT STRENGTHENED - .090 DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB INTERLAYER - 3/16" HEAT STRENGTHENED
22			1 1/16" LAMI I.G. GLASS: 3/16" HEAT STRENGTHENED OUTBOARD - 7/16" AIRSPACE - 3/16" HEAT STRENGTHENED - .090 DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB INTERLAYER - 3/16" HEAT STRENGTHENED



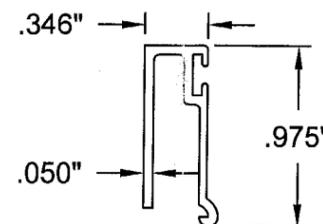
ITEM 1, INTEGRAL FIN FRAME

MAT'L: 6063-T5
DWG NO. 4256A



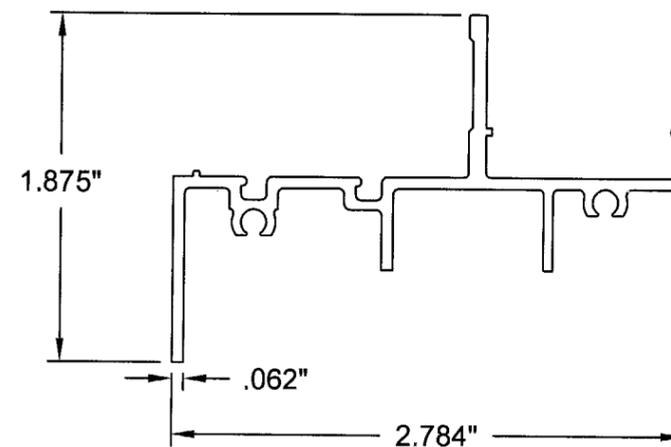
**ITEM 10,
7/16 LAMI GLASS BEAD**

MAT'L: 6063-T5
DWG NO. 4255



**ITEM 11,
1 1/16 LAMI I.G. GLASS BEAD**

MAT'L: 6063-T5
DWG NO. 4254



ITEM 2, FLANGED FRAME

MAT'L: 6063-T5
DWG NO. 4253

Approved as complying with the
Florida Building Code
Date 02/19/04
NOA# 03-1105.01
Miami Code Product Control
By *[Signature]*

[Signature]
12/16/03

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

Revsd By:	Date:	Revisions:	
Revsd By:	Date:	Revisions:	
Revsd By:	Date:	Revisions:	
Revsd By:	Date:	Revisions:	
Drawn By:	Date:	Checked By:	Date:
F.K.	12/15/03	A	
F.K.	7/14/03		

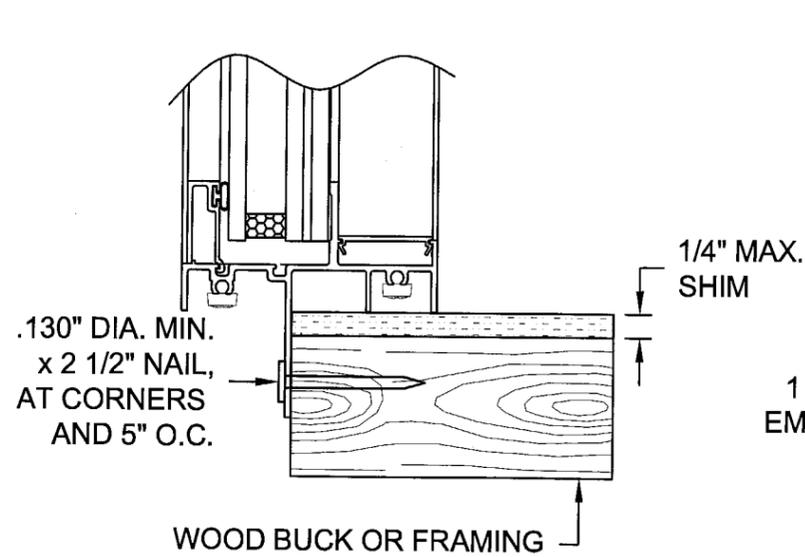
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



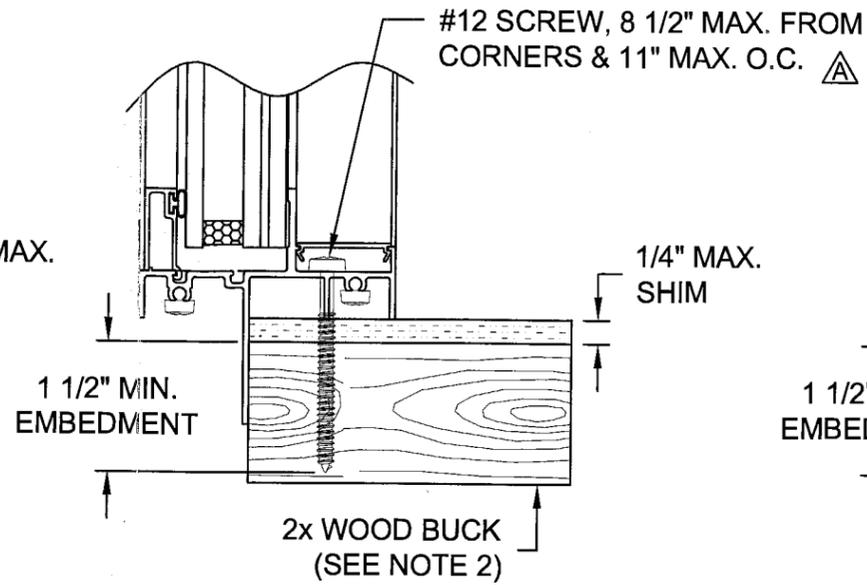
Description:
EXTRUSION PROFILES & PARTS LIST

Title:
ALUMINUM PICTURE WINDOW, IMPACT

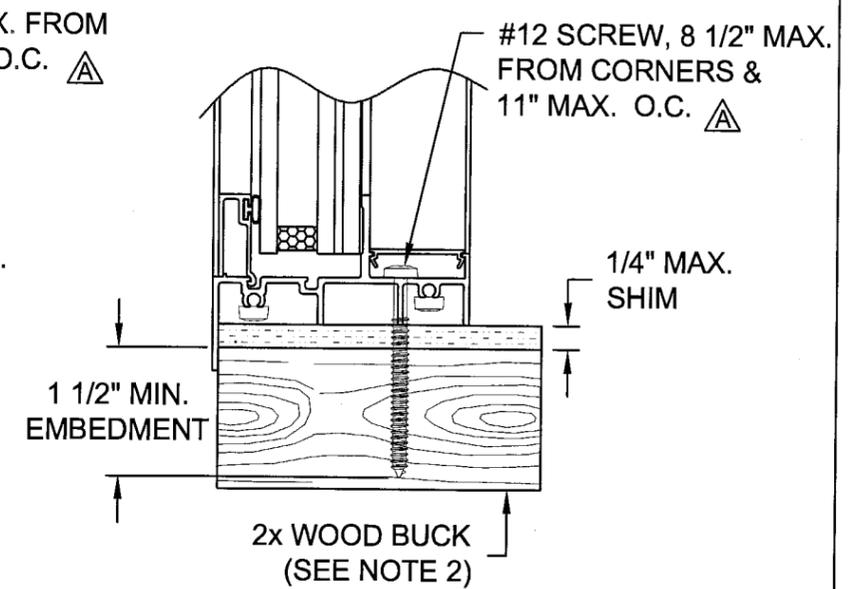
Series/Model: PW-701 Scale: NTS Sheet: 9 of 10 Drawing No. 4259-4 Rev: A



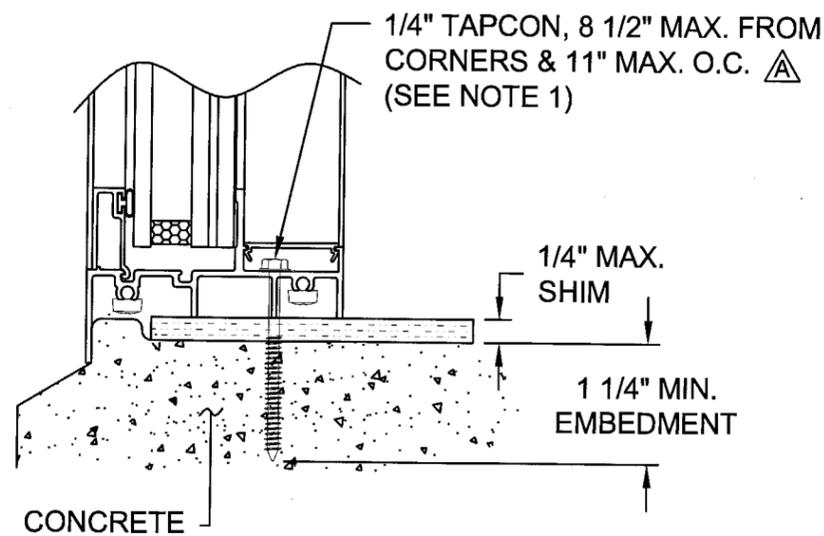
INTEGRAL FIN DETAIL A



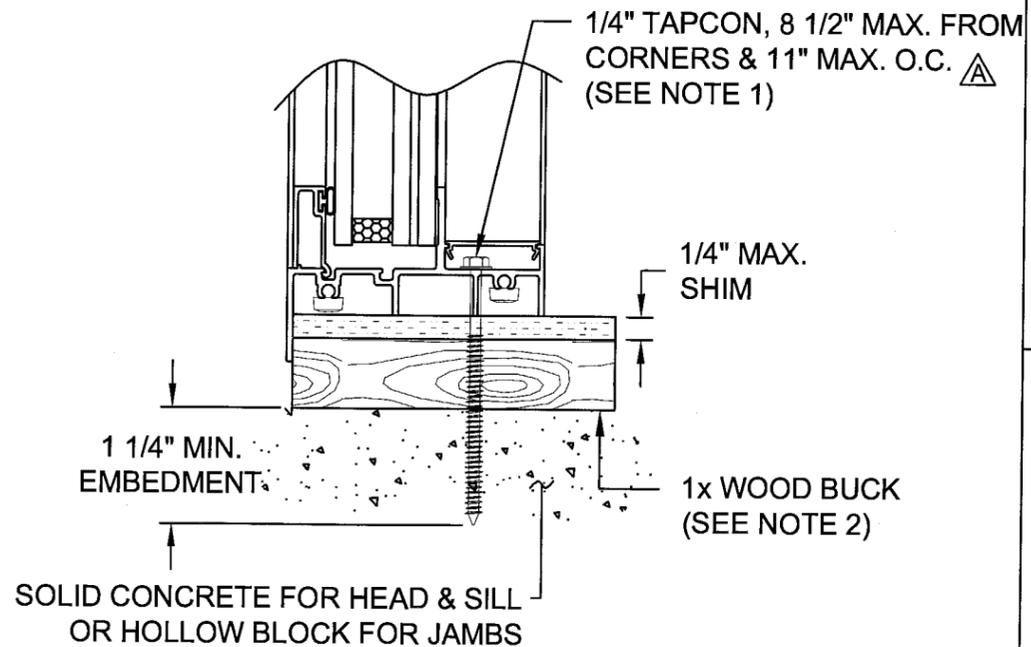
INTEGRAL FIN DETAIL B



FLANGED DETAIL C



FLANGED DETAIL D (SILL ONLY)



FLANGED DETAIL E

NOTES:

1. USE ONLY MIAMI-DADE COUNTY APPROVED ELCO TAPCONS. \triangle
2. A - IN MIAMI-DADE COUNTY INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED, PROPERLY ATTACHED TO TRANSFER LOAD AND TO BE REVIEWED BY BUILDING OFFICIAL.
- B - OUTSIDE MIAMI-DADE COUNTY INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY BUILDING OFFICIAL.

Approved as complying with the
 Building Code
 Date: 02/19/04
 NO. 03-1103.01
 Miami Dade Product Control
 Division
 By: *[Signature]*

[Signature]
 12/14/03

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

Revsd By:	Date:	Revisions:	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	PGT Visibly Better	Description: ANCHORAGE - HEAD, SILL AND JAMBS				
Revsd By:	Date:	Revisions:			Title: ALUMINUM PICTURE WINDOW, IMPACT				
Revsd By:	Date:	Revisions:			Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
Drawn By:	Date:	Checked By:			Date:	PW-701	NTS	10 of 10	4259-4
F.K.	12/15/03	A		CHANGE NOTE 1 AND FASTENER SPACING					
F.K.	7/14/03								