



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/pera/

PGT Industries, Inc.
1070 Technology Drive
North Venice, 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 and accepted by Miami-Dade County PERA -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. PERA 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 "PW-520 Vinyl" White PVC Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. 5190-1 titled "Vinyl Picture Window, Large Missile Impact", sheets 1 through 10 of 10, prepared by manufacturer, dated 08/04/08 with the latest revision "B" dated 10/18/11, prepared by PGT Industries, Inc., signed and sealed by Anthony Lynn Miller, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

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 revises NOA No. 08-0820.15 and consists of this page 1, 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
2/9/12

NOA No. 11-1114.18
Expiration Date: January 08, 2014
Approval Date: February 16, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA's No. 08-0820.15)
2. Drawing No. 5190-1 titled "Vinyl Picture Window, Large Missile Impact", sheets 1 through 10 of 10, prepared by manufacturer, dated 08/04/08 with the latest revision "B" dated 10/18/11, prepared by PGT Industries, Inc., signed and sealed by Anthony Lynn Miller, 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
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with marked-up drawings and installation diagram of a vinyl fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s FTL-5712 and FTL-5729, dated 08/13 and 09/09/08, all signed and sealed by Carlos S. Rionda, P. E.

(Submitted under NOA No. 08-0820.15)

C. CALCULATIONS

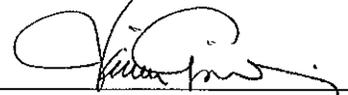
1. Anchor verification calculations and structural analysis, complying with FBC-2004 and 2007, prepared by PGT Industries, Inc., dated 11/25/08, signed and sealed by Robert L. Clark, P. E.
(Submitted under previous NOA No. 08-0820.15)
2. Complies with ASTM E1300-02/ 04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 11-0624.01 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Butacite® PVB Interlayer" dated 09/08/11, expiring on 12/11/16.
2. Notice of Acceptance No. 11- 0830.09 issued to Mikron Industries, Inc., for their "White Rigid PVC Exterior Extrusions for Windows and Doors" dated 10/6/11, expiring on 12/26/16.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 11-1114.18
Expiration Date: January 08, 2014
Approval Date: February 16, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

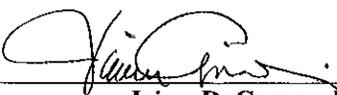
F. STATEMENTS

1. Statement letter of conformance and compliance with the FBC-2007 (with the 2009 supplement) and FBC-2010, dated 10/26/11, signed and sealed by Anthony Lynn Miller, P. E.
2. Statement letter of no financial interest and independence, dated 10/26/11, signed and sealed by Anthony Lynn Miller, P. E.
3. Letter of *Adoption of as his Own, the Work of another Engineer* per Section 61G15-27.001 of the F.B.P.E., dated 10/07/11 signed and sealed by Anthony Lynn Miller, P. E.
4. Statement letter of conformance and compliance with the FBC, dated 08/12/08, signed and sealed by Robert L. Clark, P. E.
(Submitted under previous NOA No. 08-0820.15)
5. Statement letter of no financial interest and independence, dated 08/12/08, signed and sealed by Robert L. Clark, P. E.
(Submitted under previous NOA No. 08-0820.15)
6. Laboratory compliance letter for Test Reports No.'s **FTL-5712** and **FTL-5729**, dated 08/13 and 09/09/08, all signed and sealed by Carlos S. Rionda, P.E.
(Submitted under previous NOA No. 08-0820.15)
7. Laboratory compliance letter for Test Report No. **ATI-84576.01-401-47**, dated 10/31/08, signed and sealed by Joseph A. Reed, P. E. *(For Reference only)*
(Submitted under previous NOA No. 08-0820.15)

G. OTHERS

1. Notice of Acceptance No. **08-0820.15**, issued to PGT Industries, Inc. for their Series "PW-701 Aluminum Picture Window, Non-Impact", approved on 01/08/09 and expiring on 02/19/14.
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
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with marked-up drawings and installation diagram of a vinyl fixed window, prepared by Architectural Testing, Inc., Test Report No. **ATI-84576.01-401-47**, dated 10/31/08, signed and sealed by Joseph A. Reed, P. E. *(For Reference only)*
(Submitted under NOA No. 08-0820.15)



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 11-1114.18
Expiration Date: January 08, 2014
Approval Date: February 16, 2012

NOTES: LARGE MISSILE WINDOWS

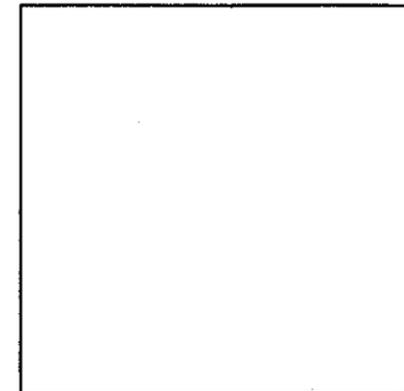
1. GLAZING OPTIONS:
 - A. 7/8" LAMI I.G. GLASS COMPRISED OF (1) LITE OF 3/16" TEMPERED OR ANNEALED GLASS, AIRSPACE AND 5/16" LAMINATED GLASS WHICH IS COMPRISED OF (2) LITE OF 1/8" ANNEALED GLASS WITH AN .090 INTERLAYER OF DUPONT PVB.
 - B. 1" LAMI I.G. GLASS COMPRISED OF (1) LITE OF 3/16" TEMPERED OR ANNEALED GLASS, AIRSPACE AND 5/16" LAMINATED GLASS WHICH IS COMPRISED OF (2) LITES OF 1/8" ANNEALED GLASS WITH AN .090 INTERLAYER OF DUPONT PVB.
2. DESIGN PRESSURE RATINGS: (SEE TABLE 1 AND NOTES BELOW)
 - A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND ASTM E 1300-02 GLASS TABLES .
 - B. POSITIVE DESIGN LOADS BASED ON TESTED PRESSURE, WATER TEST PRESSURE, AND ASTM E 1300-02 GLASS TABLES .
3. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION.
4. FOR ANCHORAGE INFORMATION SEE SHEETS 9 AND 10.
5. SHUTTER REQUIREMENT: NONE REQUIRED FOR UNITS LESS THAN 30'.
6. REFERENCES: TEST REPORTS, FTL-5712 & FTL-5729.
 ELCO TEXTRON NOA: 04-0721.01, 03-0225.05
 ANSI/AF&PA NDS-2005 FOR WOOD CONSTRUCTION
7. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

NOA DRAWING TABLE OF CONTENTS	
	SHEET
GENERAL NOTES.....	1
ELEVATIONS.....	2,3
GLAZING DETAILS.....	4
GLAZING DETAILS.....	5
SECTIONS, BOX FRAME.....	6
CORNER ASS'Y, BOX FRAME.....	6
SECTIONS, I.F. FRAME.....	7
CORNER ASS'Y, I.F. FRAME.....	7
EXTRUSION PROFILES.....	8
PARTS LIST.....	8
ANCHORAGE, BOX FRAME.....	9
ANCHORAGE, INTEGRAL FIN.....	10

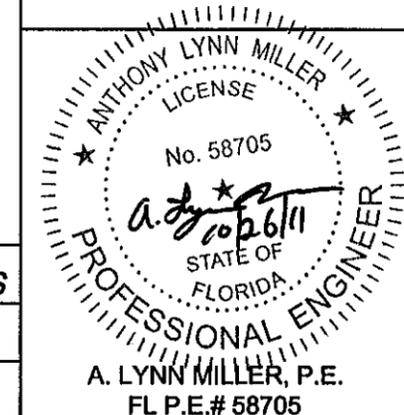
TABLE 1. DESIGN PRESSURES (PSF)
 GLASS TYPES: A. 7/8" LAMINATED INSULATED GLASS (3/16"A - AIRSPACE - 1/8"A., .090, 1/8"A.)
 B. 1" LAMINATED INSULATED GLASS (3/16"A. - AIRSPACE 1/8"A., .090, 1/8"A.)

WINDOW HEIGHT	GLASS TYPE	WINDOW WIDTH							
		59.000		60.000		61.000		62.000	
44.000	A,B	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	18.03 SQ.FT.		18.33 SQ.FT.		18.64 SQ.FT.		18.94 SQ.FT.	
45.000	A,B	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+79.6	-79.6
	AREA	18.44 SQ.FT.		18.75 SQ.FT.		19.06 SQ.FT.		19.38 SQ.FT.	
46.000	A,B	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+78.5	-78.5
	AREA	18.85 SQ.FT.		19.17 SQ.FT.		19.49 SQ.FT.		19.81 SQ.FT.	
47.000	A,B	+80.0	-80.0	+79.9	-79.9	+79.0	-79.0	+77.4	-77.4
	AREA	19.26 SQ.FT.		19.58 SQ.FT.		19.91 SQ.FT.		20.24 SQ.FT.	
48.000	A,B	+80.0	-80.0	+78.8	-78.8	+78.0	-78.0	+76.3	-76.3
	AREA	19.67 SQ.FT.		20.00 SQ.FT.		20.33 SQ.FT.		20.67 SQ.FT.	

- NOTE:**
1. THE MAXIMUM ALLOWABLE DESIGN PRESSURE FOR 1/2 CIRCLES IS +/-80.0 PSF FOR ALL SIZES.
 2. IF A TEMPERED CAP IS USED MAX. DP IS +/-50.0 PSF.



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. **11-1114-18**
 Expiration Date **07/08/2014**
 By *[Signature]*
 Miami Dade Product Control

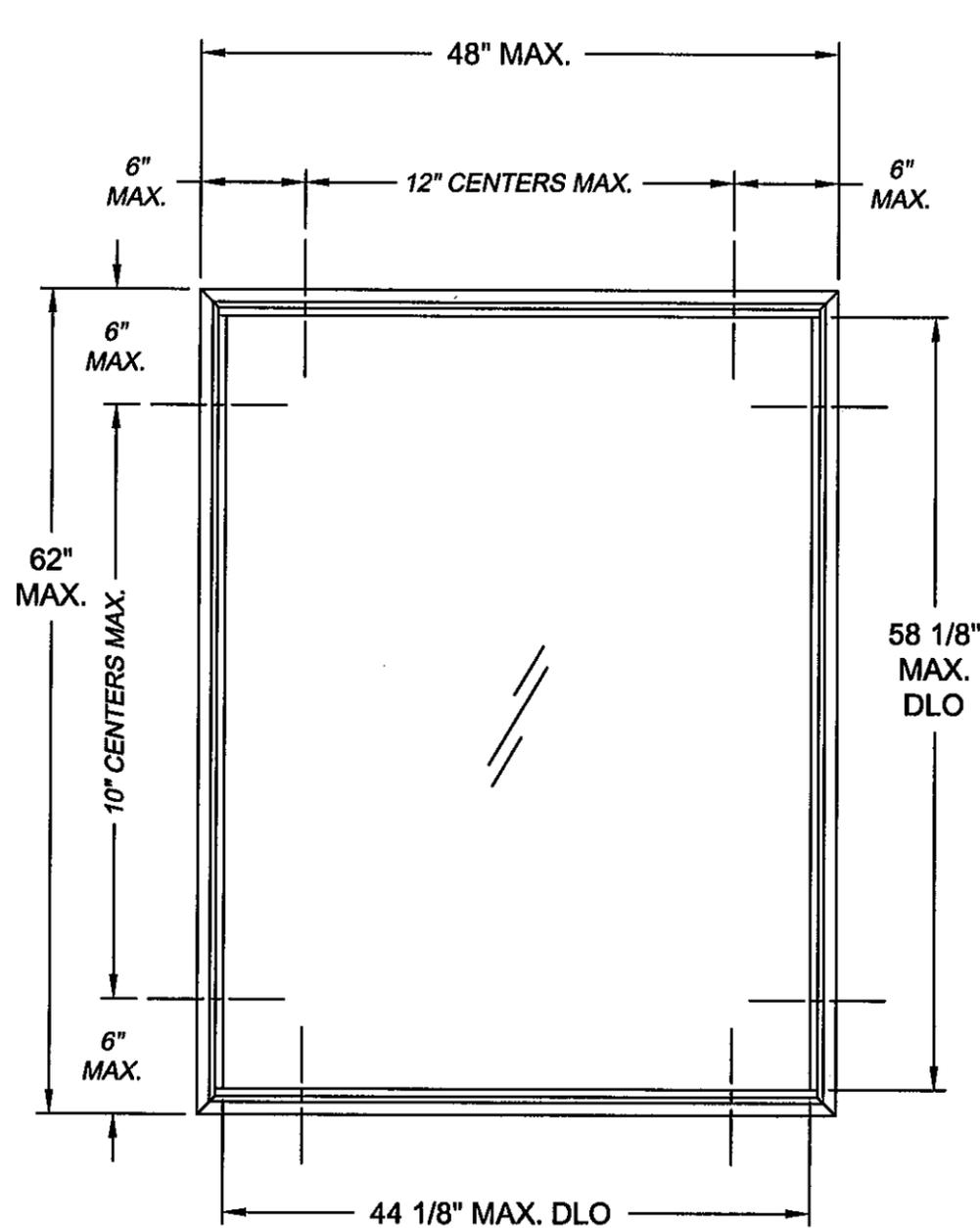


Revsd By: D.G.	Date: 11/25/08	Revisions: A	PER MIAMI-DADE LETTER DATED 10/31/08
Revsd By: J.J.	Date: 10/18/11	Revisions: B	FBC 2010 CODE CHANGE
Revsd By:	Date:	Revisions:	
Drawn By: D.G.	Date: 8/4/08	Checked By:	Date:

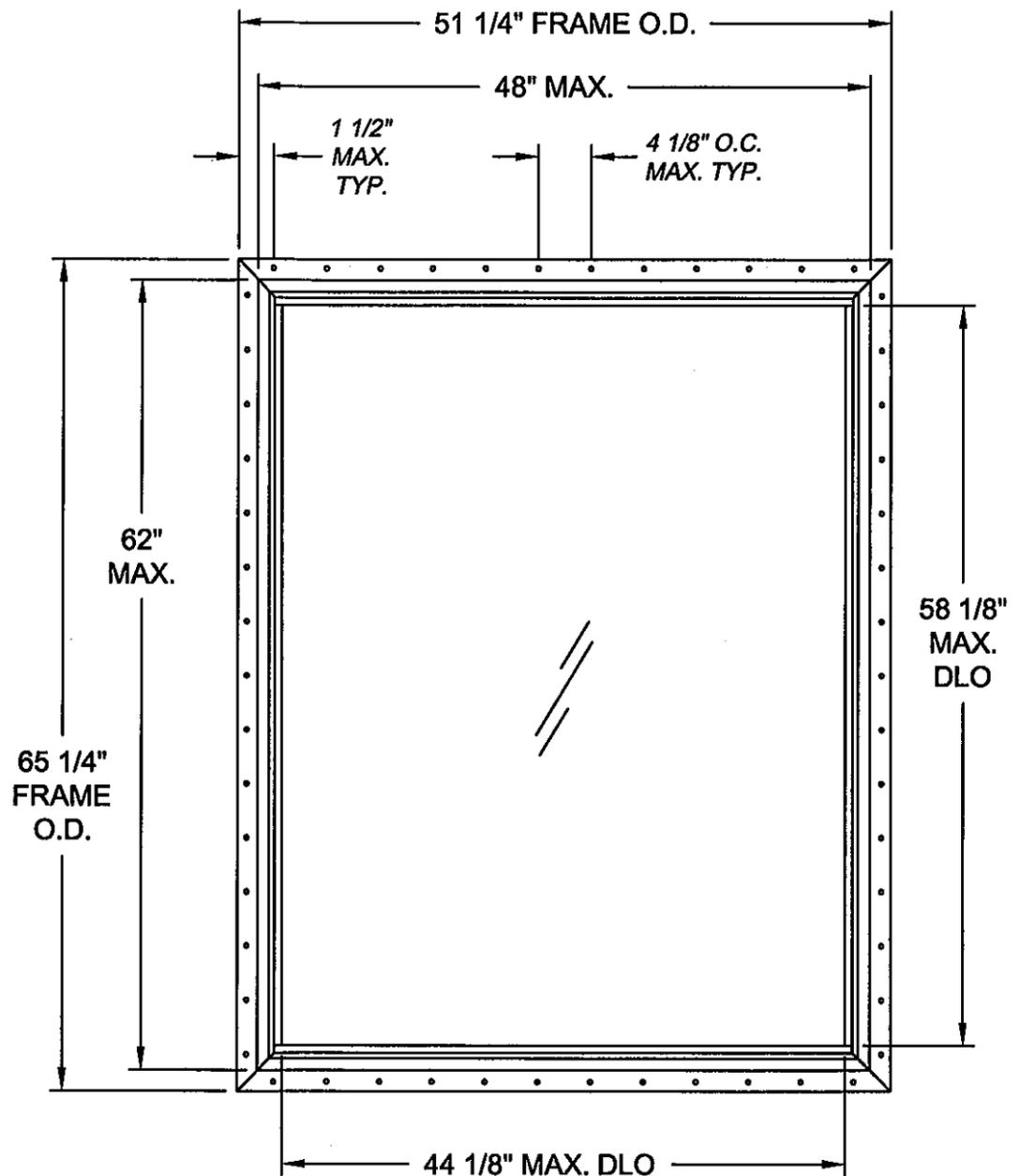
1070 TECHNOLOGY DRIVE
 NOKOMIS, FL 34275
 P.O. BOX 1529
 NOKOMIS, FL 34274



Description: NOTES, TABLE OF CONTENTS & PRESSURES			
Title: Vinyl Picture Window, Large Missile Impact			
Series/Model: PW-520	Scale: NTS	Sheet: 1 of 10	Drawing No. 5190-1
			Rev: B

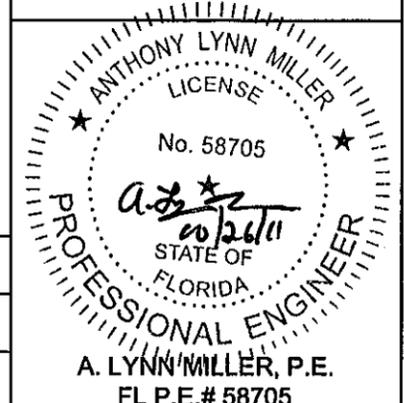


BOX FRAME
MAX. SIZE = 48" X 62"



INTEGRAL FIN
MAX. SIZE = 48" X 62"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **11-114.18**
Expiration Date **07/08/2014**
By *[Signature]*
Miami Dade Product Control



NOTE:
FOR ANCHORAGE INFORMATION SEE SHEETS 9 AND 10.

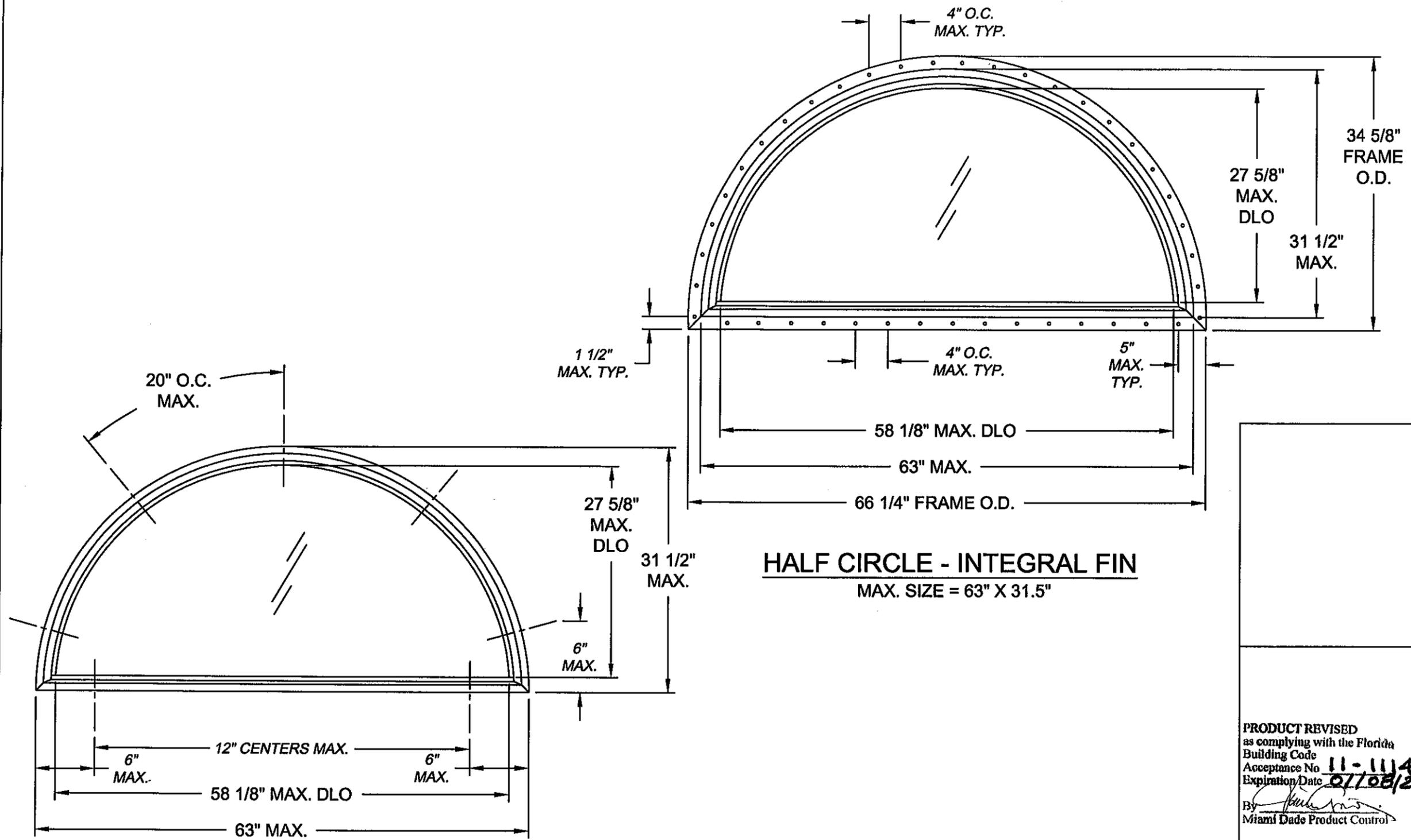
Revsd By: D.G.	Date: 11/25/08	Revisions: A	PER MIAMI-DADE LETTER DATED 10/31/08
Revsd By: J.J.	Date: 10/18/11	Revisions: B	NO CHANGE THIS SHEET
Revsd By:	Date:	Revisions:	
Drawn By: D.G.	Date: 8/04/08	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274



Description: ELEVATIONS			
Title: Vinyl Picture Window, Large Missile Impact			
Series/Model: PW-520	Scale: NTS	Sheet: 2 of 10	Drawing No. 5190-1
			Rev: B



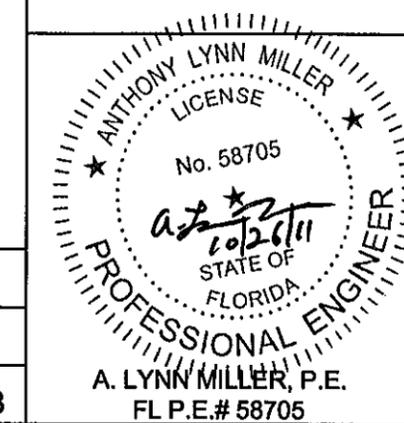
HALF CIRCLE - BOX FRAME
MAX. SIZE = 63" X 31.5"

HALF CIRCLE - INTEGRAL FIN
MAX. SIZE = 63" X 31.5"

NOTE:

FOR ANCHORAGE INFORMATION SEE SHEETS 9 AND 10.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **11-1114.18**
Expiration Date **01/08/2014**
By *[Signature]*
Miami Dade Product Control

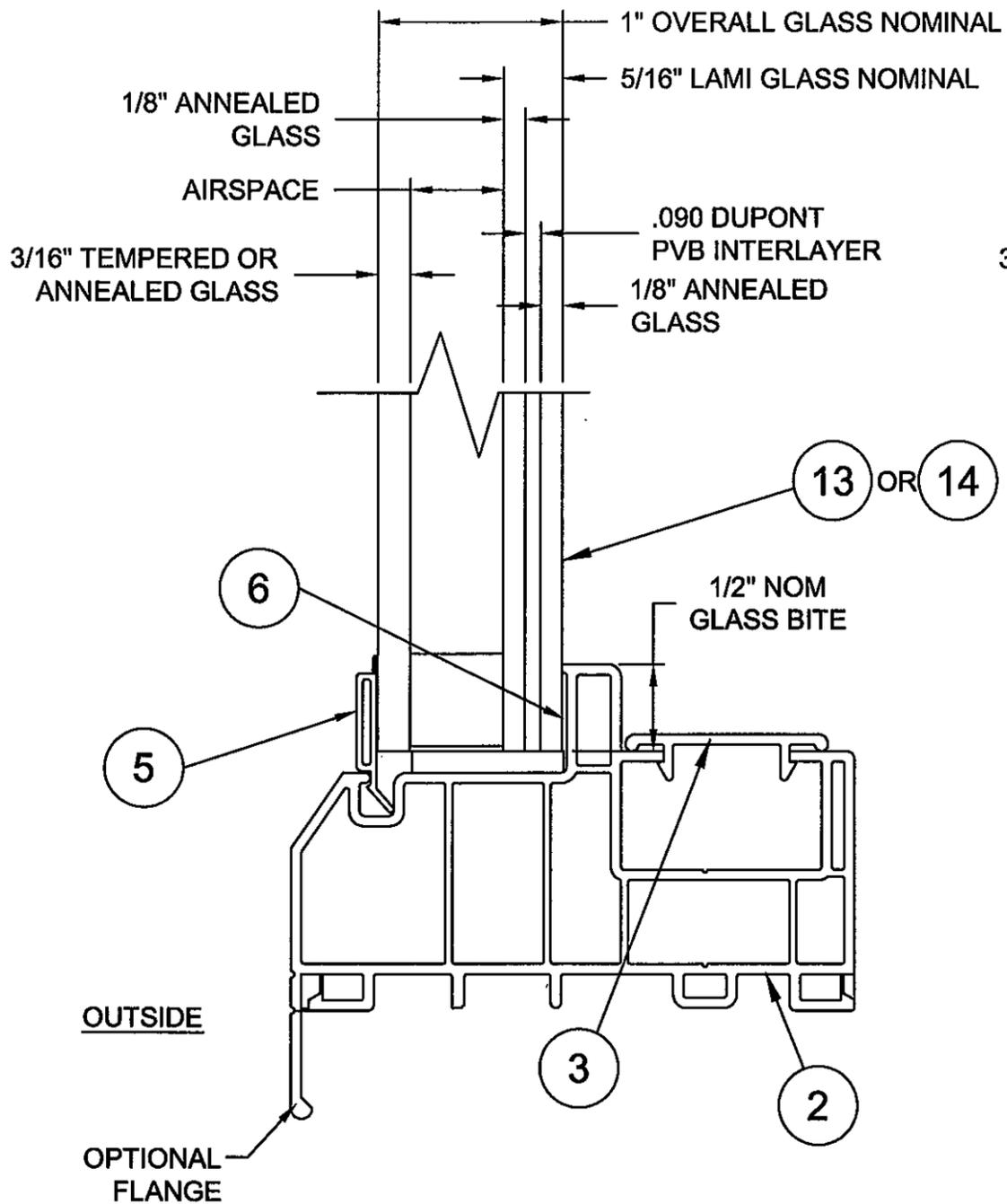


Revsd By: D.G.	Date: 11/25/08	Revisions: A	PER MIAMI-DADE LETTER DATED 10/31/08
Revsd By: J.J.	Date: 10/18/11	Revisions: B	NO CHANGE THIS SHEET
Revsd By:	Date:	Revisions:	
Drawn By: D.G.	Date: 8/04/08	Checked By:	Date:

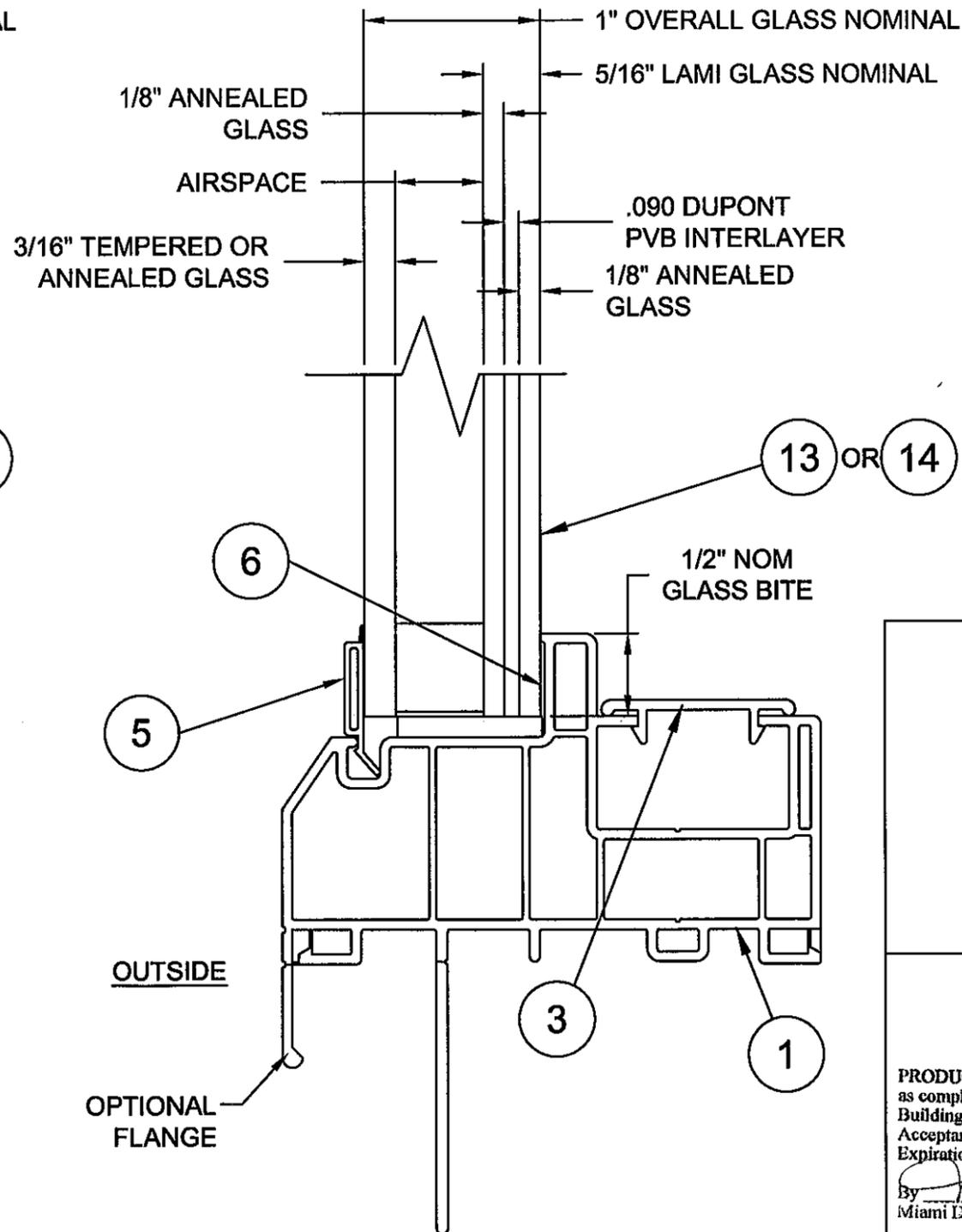
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



Description: ELEVATIONS			
Title: Vinyl Picture Window, Large Missile Impact			
Series/Model: PW-520	Scale: NTS	Sheet: 3 of 10	Drawing No. 5190-1
			Rev: B

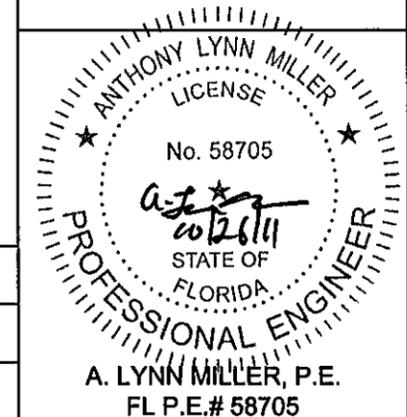


**1" LAMI I.G. GLAZING DETAIL
WITH 5/16" LAMI GLASS
BOX OR INTEGRAL FIN FRAME
(BOX FRAME SHOWN)**



**1" LAMI I.G. GLAZING DETAIL
WITH 5/16" LAMI GLASS
BOX OR INTEGRAL FIN FRAME
(INTEGRAL FIN FRAME SHOWN)**

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1114-18
Expiration Date 01/08/2014
By *[Signature]*
Miami Dade Product Control

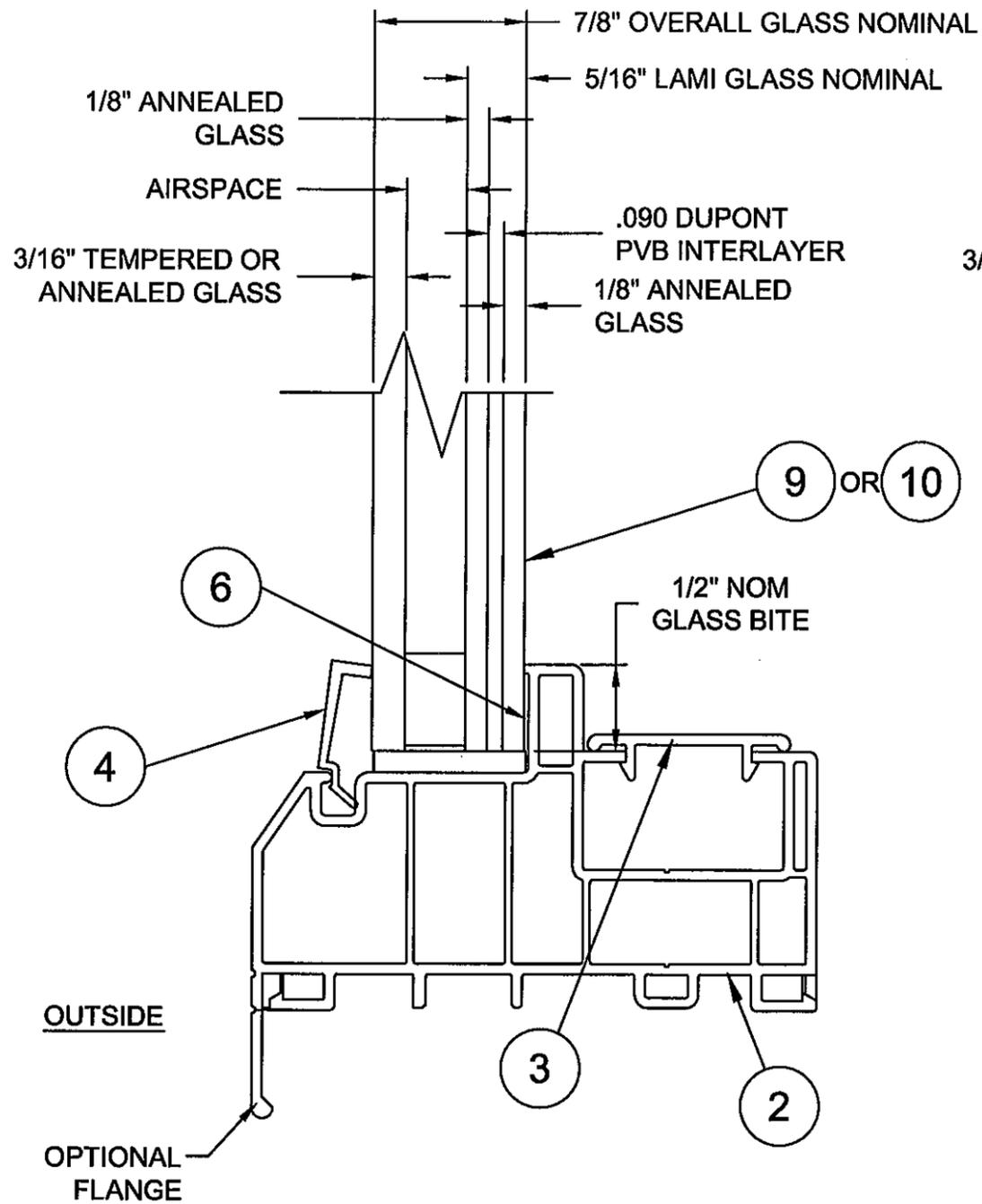


Revsd By: D.G.	Date: 11/25/08	Revisions: A	PER MIAMI-DADE LETTER DATED 10/31/08
Revsd By: J.J.	Date: 10/18/11	Revisions: B	NO CHANGE THIS SHEET
Revsd By:	Date:	Revisions:	
Drawn By: D.G.	Date: 8/4/08	Checked By:	Date:

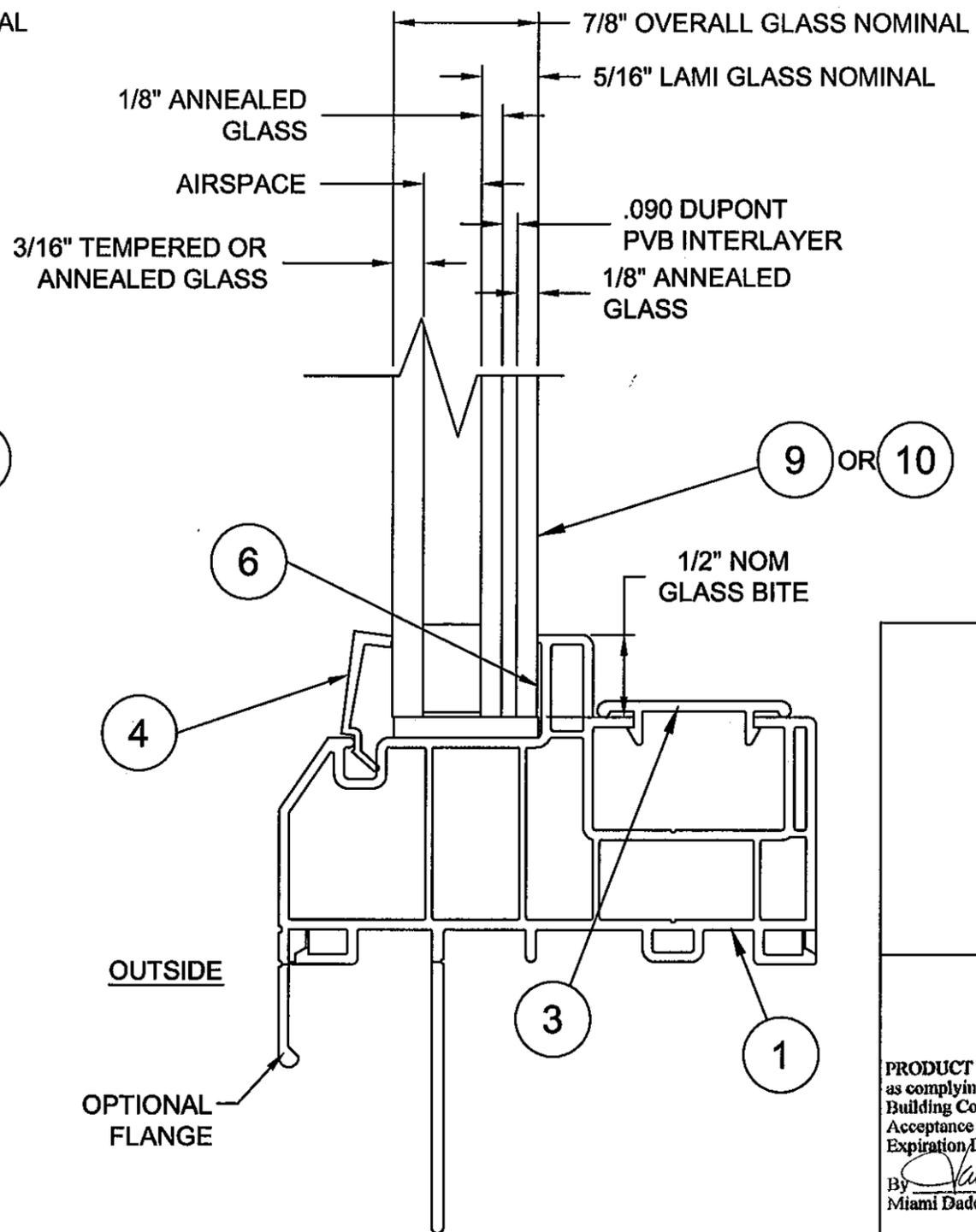
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



Description: GLAZING DETAILS			
Title: Vinyl Picture Window, Large Missile Impact			
Series/Model: PW-520	Scale: FULL	Sheet: 4 of 10	Drawing No. 5190-1
			Rev: B

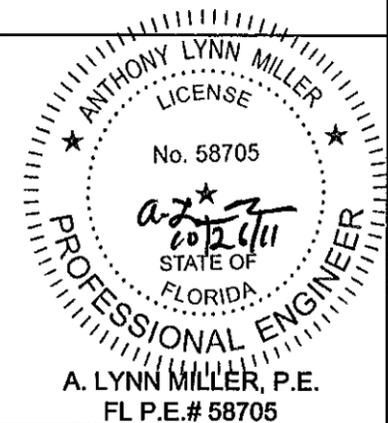


**7/8" LAMI I.G. GLAZING DETAIL
WITH 5/16" LAMI GLASS
BOX OR INTEGRAL FIN FRAME
(BOX FRAME SHOWN)**



**7/8" LAMI I.G. GLAZING DETAIL
WITH 5/16" LAMI GLASS
BOX OR INTEGRAL FIN FRAME
(INTEGRAL FIN FRAME SHOWN)**

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1114.18
Expiration Date 01/28/2014
By *[Signature]*
Miami Dade Product Control



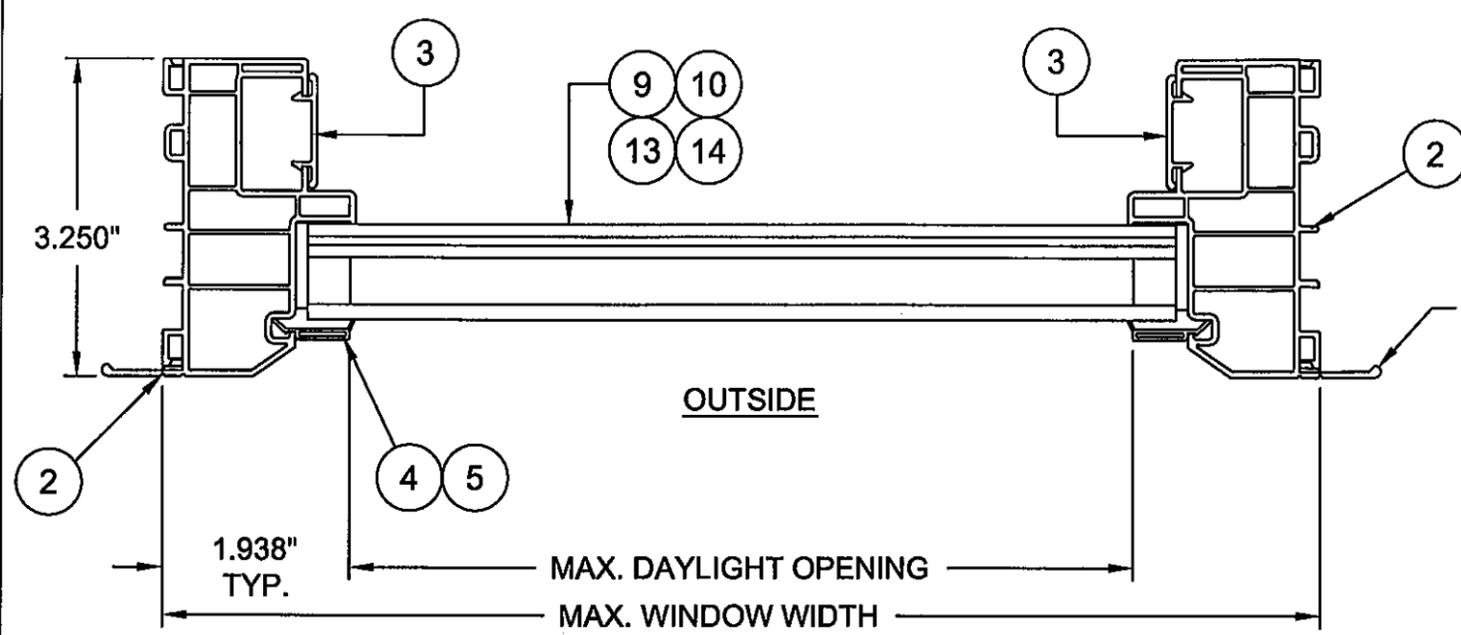
Revsd By: D.G.	Date: 11/25/08	Revisions: A	PER MIAMI-DADE LETTER DATED 10/31/08
Revsd By: J.J.	Date: 10/18/11	Revisions: B	NO CHANGE THIS SHEET
Revsd By:	Date:	Revisions:	
Drawn By: D.G.	Date: 8/4/08	Checked By:	Date:

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

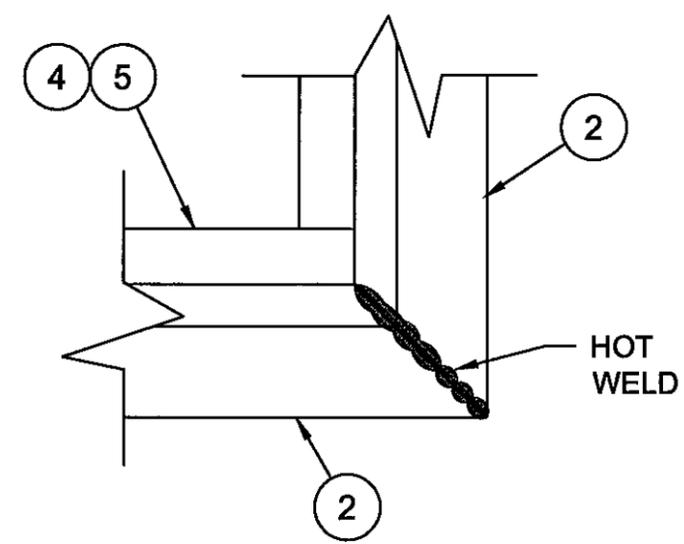


Description: GLAZING DETAILS			
Title: Vinyl Picture Window, Large Missile Impact			
Series/Model: PW-520	Scale: FULL	Sheet: 5 of 10	Drawing No. 5190-1
			Rev: B

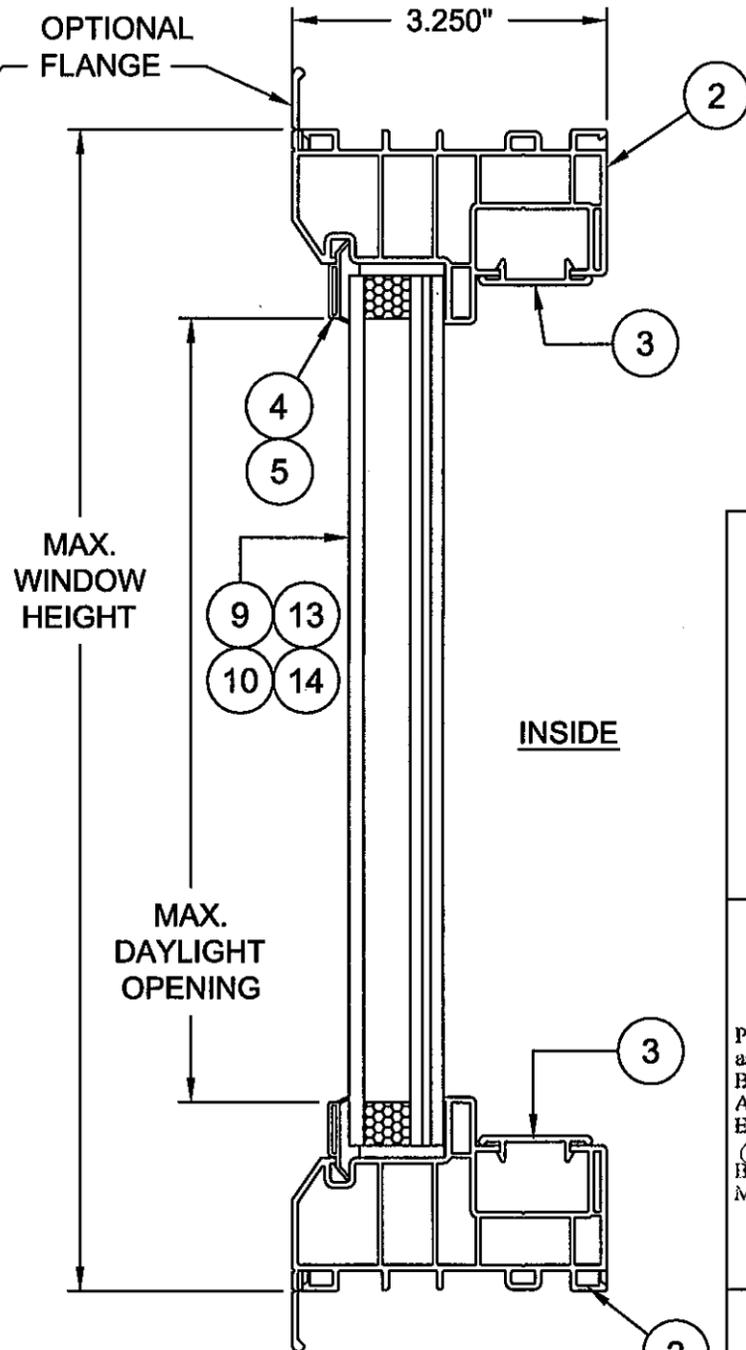
A. LYNN MILLER, P.E.
FL P.E.# 58705



**HORIZONTAL SECTION
(BOX FRAME)**

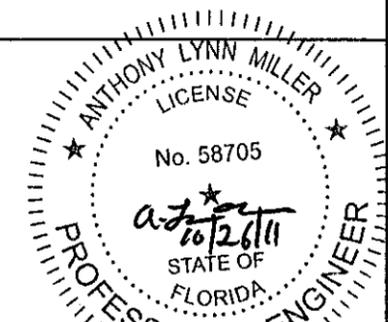


**HOT WELD CORNER ASSEMBLY
(BOX FRAME)**



**VERTICAL SECTION
(BOX FRAME)**

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **11-1114.18**
Expiration Date: **07/08/2014**
By: *[Signature]*
Miami Dade Product Control



A. LYNN MILLER, P.E.
FL P.E.# 58705

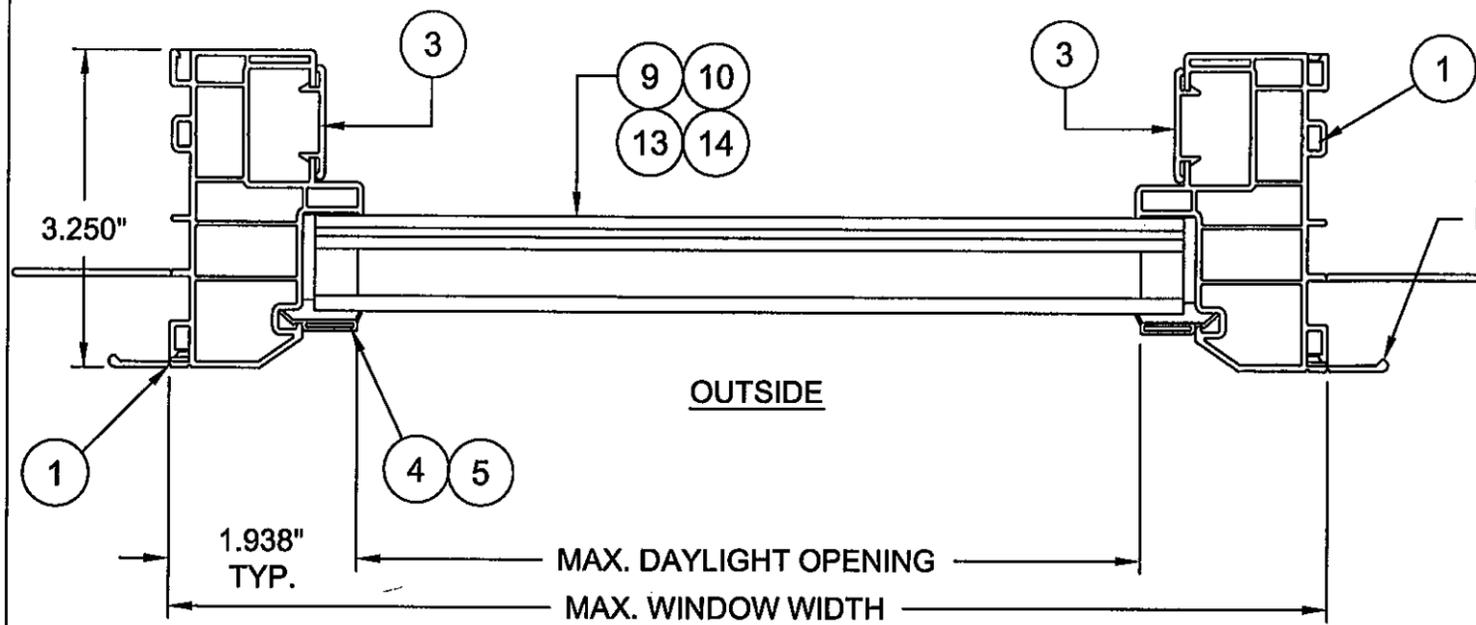
Revsd By: D.G.	Date: 11/25/08	Revisions: A	PER MIAMI-DADE LETTER DATED 10/31/08
Revsd By: J.J.	Date: 10/18/11	Revisions: B	NO CHANGE THIS SHEET
Revsd By:	Date:	Revisions:	
Drawn By: D.G.	Date: 8/04/08	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

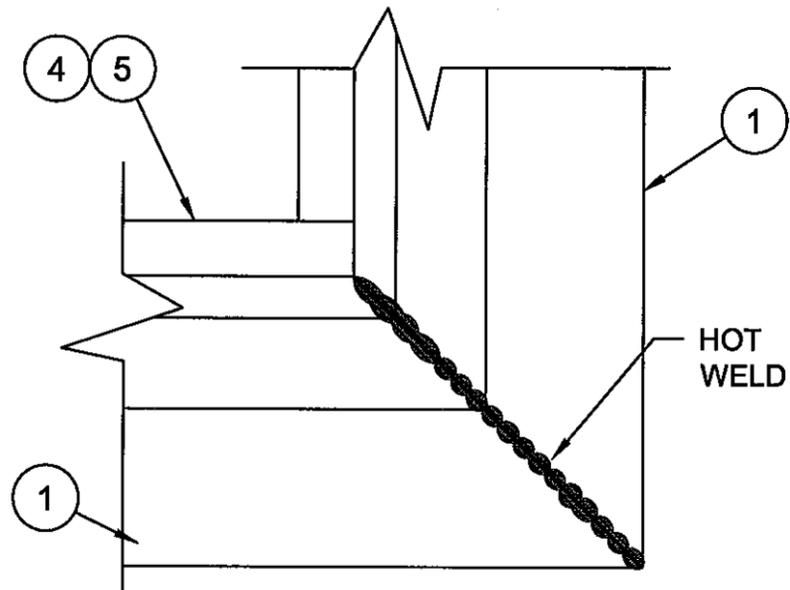
P.O. BOX 1529
NOKOMIS, FL 34274



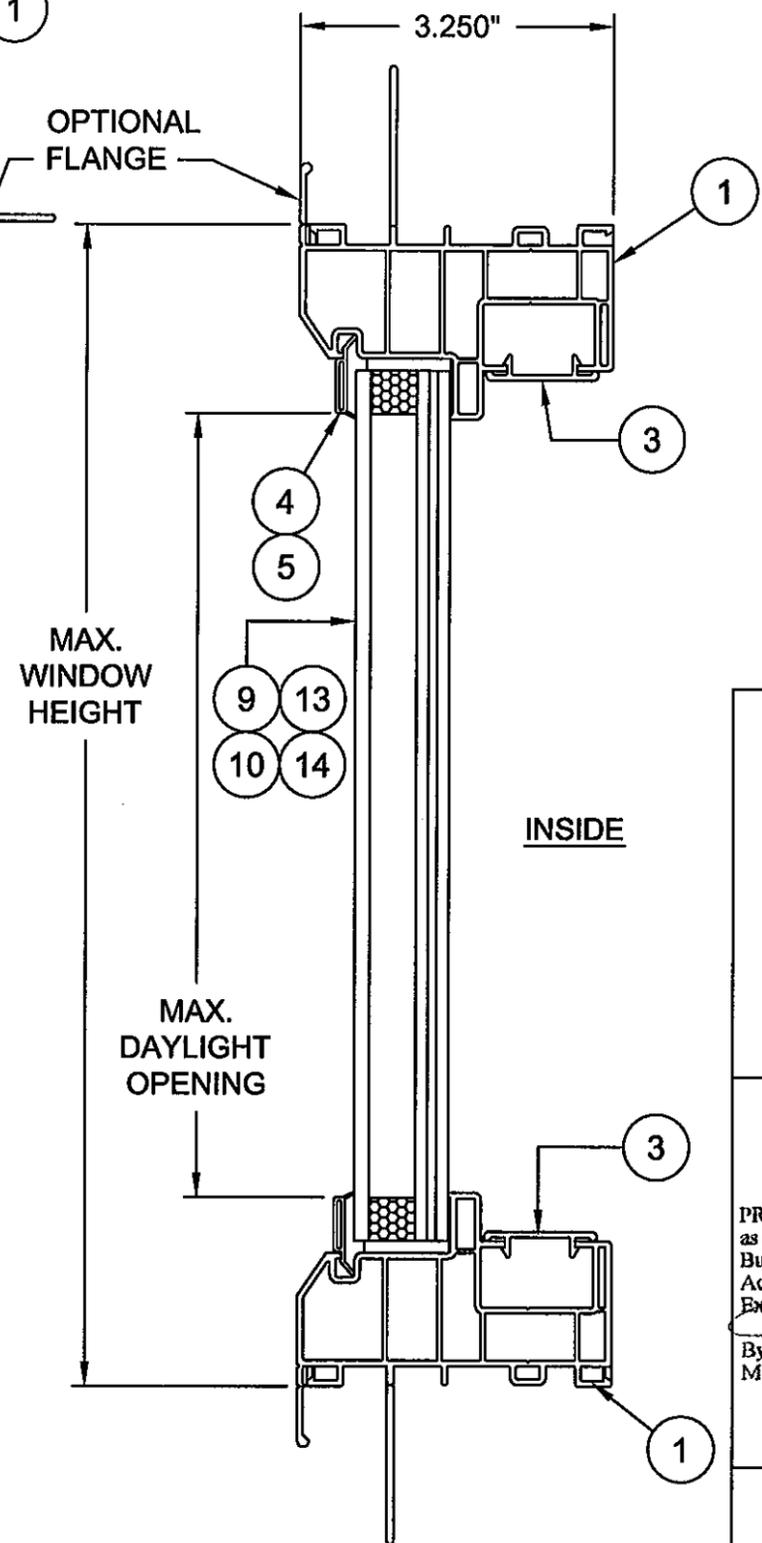
Description: SECTIONS & CORNER ASS'Y, BOX FRAME			
Title: Vinyl Picture Window, Large Missile Impact			
Series/Model: PW-520	Scale: HALF	Sheet: 6 of 10	Drawing No. 5190-1
			Rev: B



**HORIZONTAL SECTION
(INTEGRAL FIN)**

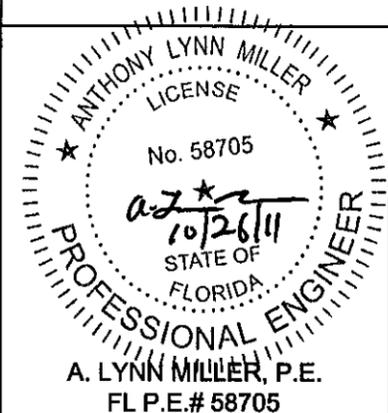


**HOT WELD CORNER ASSEMBLY
(INTEGRAL FIN)**



**VERTICAL SECTION
(INTEGRAL FIN)**

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **11-1114.18**
Expiration Date **07/08/2014**
By *[Signature]*
Miami Dade Product Control



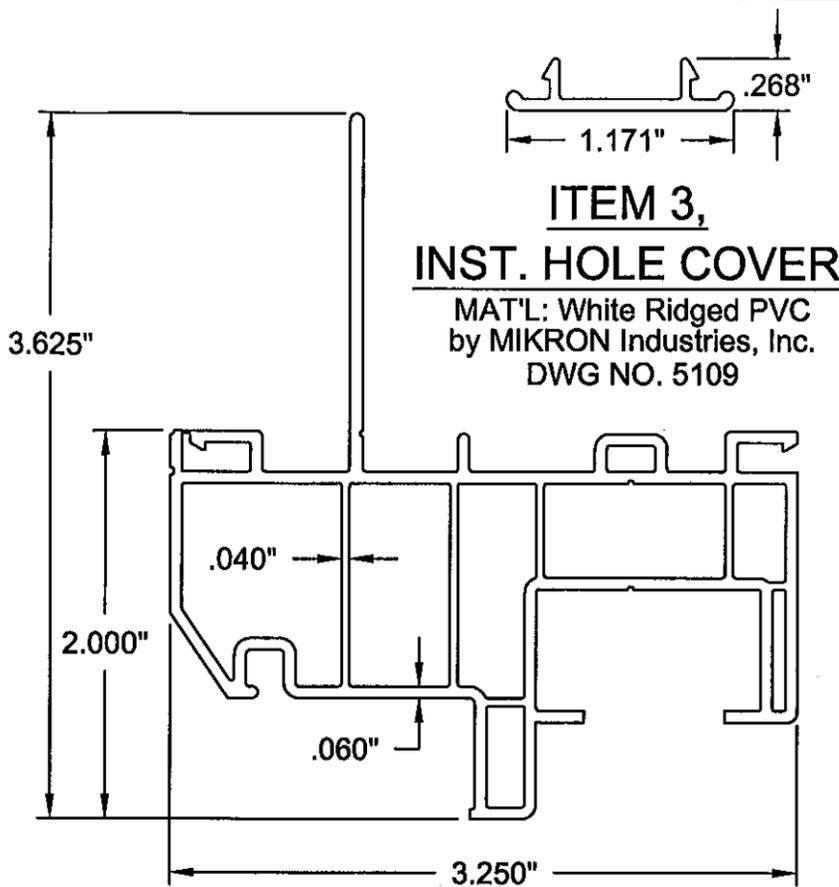
Revsd By: D.G.	Date: 11/25/08	Revisions: A	PER MIAMI-DADE LETTER DATED 10/31/08
Revsd By: J.J.	Date: 10/18/11	Revisions: B	NO CHANGE THIS SHEET
Revsd By:	Date:	Revisions:	
Drawn By: D.G.	Date: 8/04/08	Checked By:	Date:

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

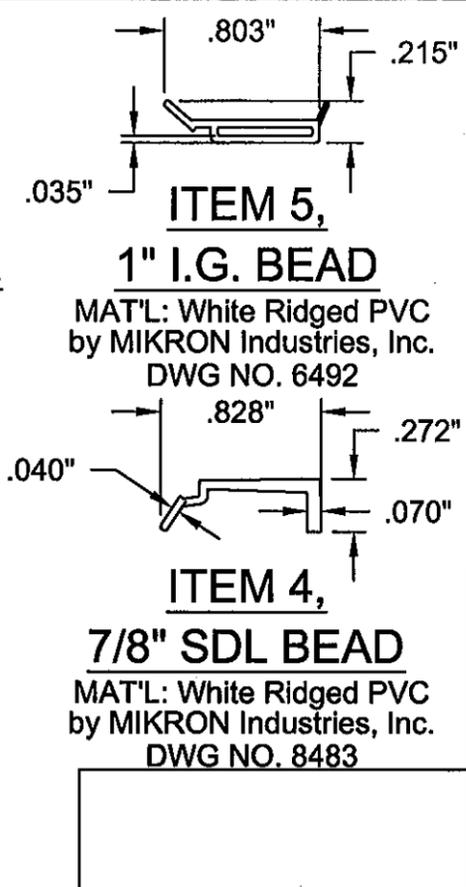


Description: SECTIONS, INTEGRAL FIN			
Title: Vinyl Picture Window, Large Missile Impact			
Series/Model: PW-520	Scale: HALF	Sheet: 7 of 10	Drawing No. 5190-1
			Rev: B

ITEM	DWG NO.	PART #	DESCRIPTION
1	5165	65165	INTEGRAL FIN FRAME HEAD, SILL & JAMB
2	5135	65135	BOX FRAME HEAD, SILL & JAMB
3	5109	65109	FILLER - INSTALL HOLE COVER
4	8483	65148	SDL 7/8" I.G. BEAD
5	6492	65112	STD 1" I.G. BEAD
6			DOW 1199 SILICONE
7			
8			
9			7/8" LAMI I.G. GLASS: 3/16" TEMPERED OUTBOARD - AIRSPACE - 1/8" ANNEALED - .090 PVB INTERLAYER - 1/8" ANNEALED (5/16" LAMI)
10			7/8" LAMI I.G. GLASS: 3/16" ANNEALED OUTBOARD - AIRSPACE - 1/8" ANNEALED - .090 PVB INTERLAYER - 1/8" ANNEALED (5/16" LAMI)
11			
12			
13			1" LAMI I.G. GLASS: 3/16" TEMPERED OUTBOARD - AIRSPACE - 1/8" ANNEALED - .090 PVB INTERLAYER - 1/8" ANNEALED (5/16" LAMI)
14			1" LAMI I.G. GLASS: 3/16" ANNEALED OUTBOARD - AIRSPACE - 1/8" ANNEALED - .090 PVB INTERLAYER - 1/8" ANNEALED (5/16" LAMI)



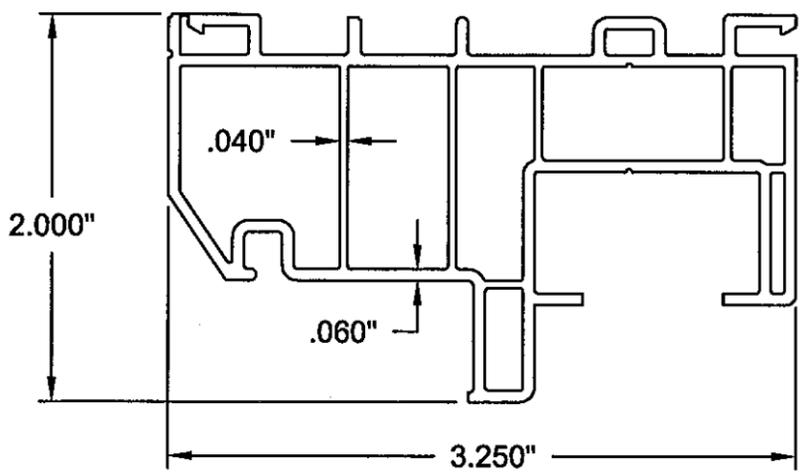
**ITEM 3,
INST. HOLE COVER**
MAT'L: White Ridged PVC
by MIKRON Industries, Inc.
DWG NO. 5109



**ITEM 5,
1" I.G. BEAD**
MAT'L: White Ridged PVC
by MIKRON Industries, Inc.
DWG NO. 6492

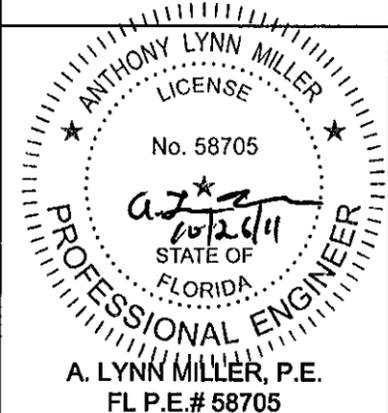
**ITEM 4,
7/8" SDL BEAD**
MAT'L: White Ridged PVC
by MIKRON Industries, Inc.
DWG NO. 8483

ITEM 1, INTEGRAL FIN FRAME
MAT'L: White Ridged PVC by MIKRON Industries, Inc.
DWG NO. 5165



ITEM 2, BOX FRAME
MAT'L: White Ridged PVC by MIKRON Industries, Inc.
DWG NO. 5135

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **11-1114.18**
Expiration Date **01/28/2014**
By *[Signature]*
Miami Dade Product Control

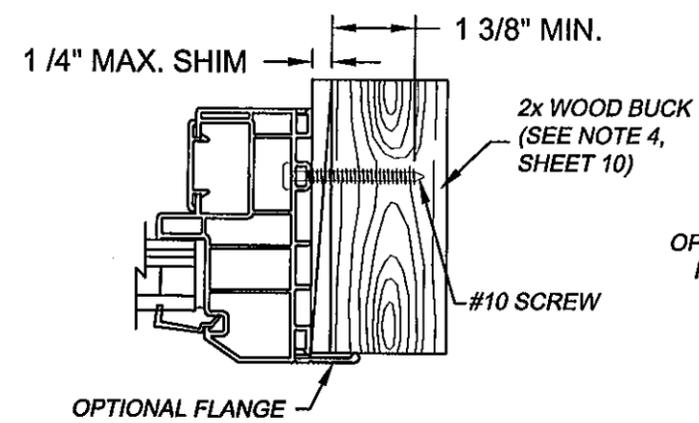


Revsd By: D.G.	Date: 11/25/08	Revisions: A	PER MIAMI-DADE LETTER DATED 10/31/08
Revsd By: J.J.	Date: 10/18/11	Revisions: B	NO CHANGE THIS SHEET
Revsd By:	Date:	Revisions:	
Drawn By: D.G.	Date: 8/04/08	Checked By:	Date:

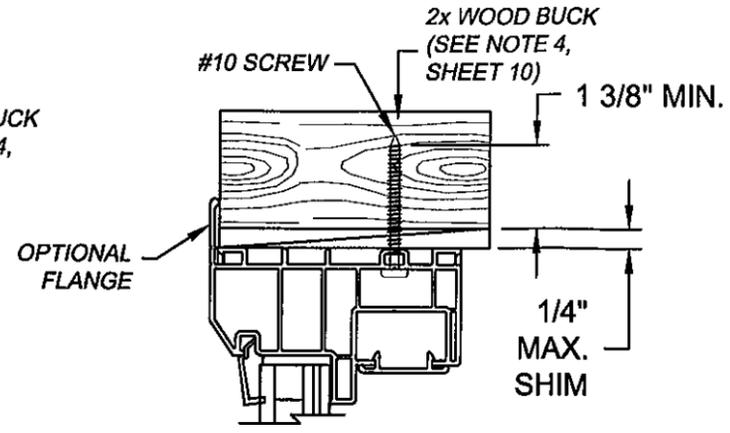
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1629
NOKOMIS, FL 34274



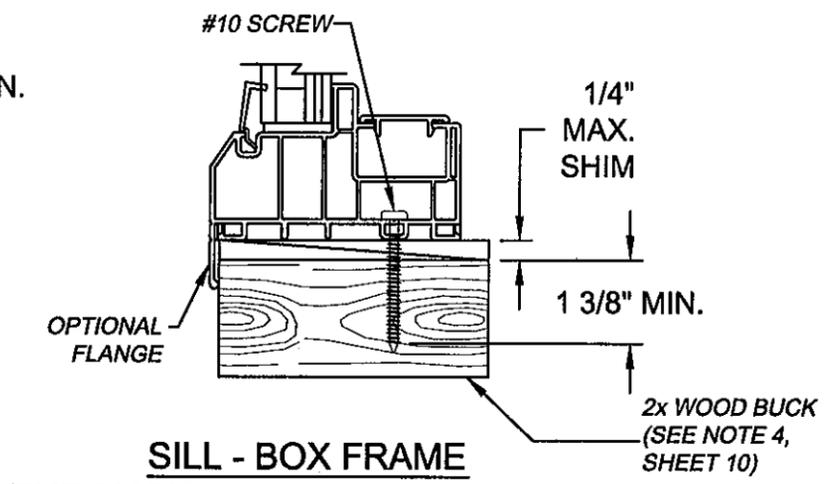
Description: EXTRUSION PROFILES & PARTS LIST			
Title: Vinyl Picture Window, Large Missile Impact			
Series/Model: PW-520	Scale: HALF	Sheet: 8 of 10	Drawing No. 5190-1
			Rev: B



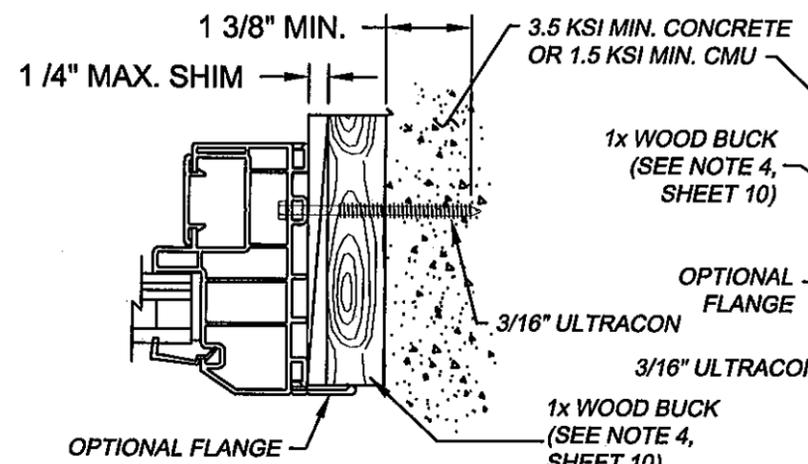
**JAMB - BOX FRAME
THROUGH FRAME INTO 2x WOOD**



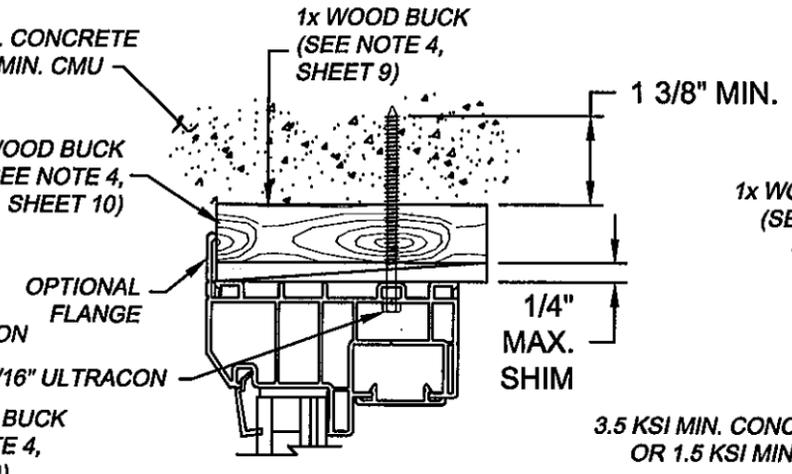
**HEAD - BOX FRAME
THROUGH FRAME INTO 2x WOOD**



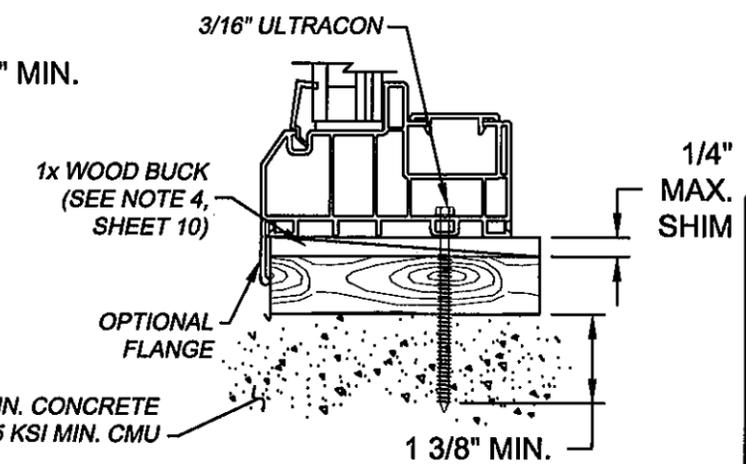
**SILL - BOX FRAME
THROUGH FRAME INTO 2x WOOD**



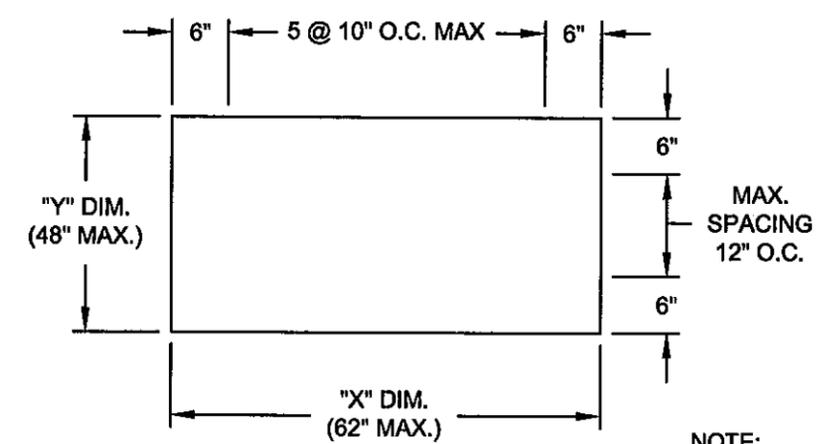
**JAMB - BOX FRAME
THROUGH FRAME INTO CONCRETE
1x BUCK OPTIONAL**



**HEAD - BOX FRAME
THROUGH FRAME INTO CONCRETE
1x BUCK OPTIONAL**



**SILL - BOX FRAME
THROUGH FRAME INTO CONCRETE
1x BUCK OPTIONAL**



NOTE:
1. FOR ALL 1/2 CIRCLES START ANCHORS 6" FROM THE CORNERS AND A MAX. OF 12" O.C..

* FOR WINDOWS LESS THAN 40", USE 12" ON CENTER DIMENSION.

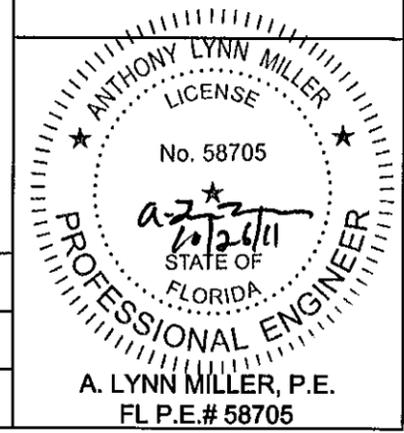
Revsd By: D.G.	Date: 11/25/08	Revisions: A	PER MIAMI-DADE LETTER DATED 10/31/08
Revsd By: J.J.	Date: 10/18/11	Revisions: B	NO CHANGE THIS SHEET
Revsd By:	Date:	Revisions:	
Drawn By: D.G.	Date: 8/04/08	Checked By:	Date:

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

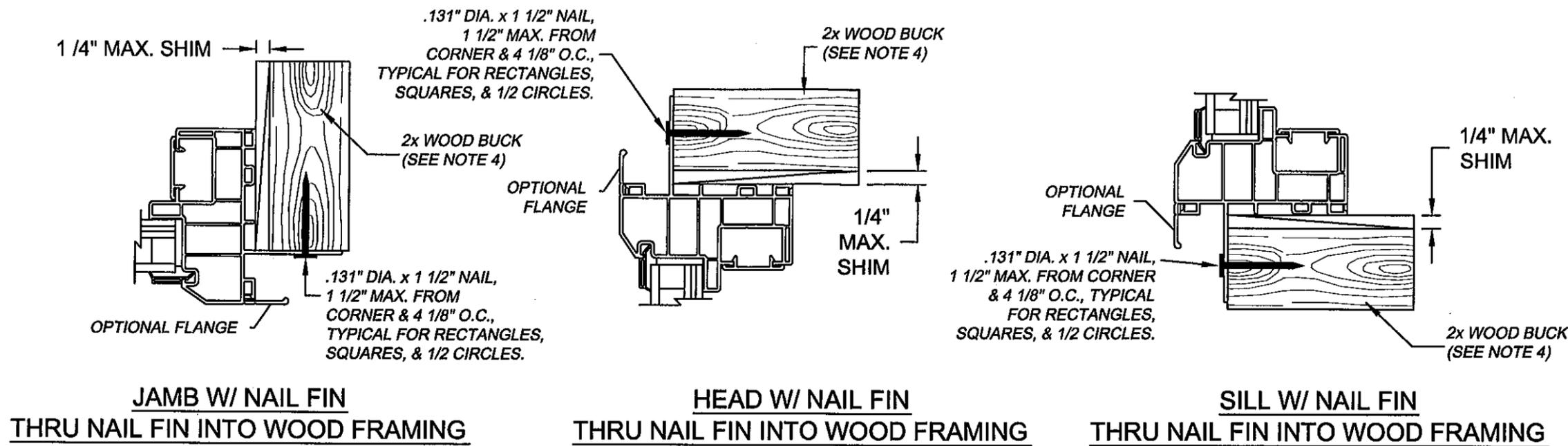


Description: ANCHORAGE DETAILS, BOX FRAME			
Title: Vinyl Picture Window, Large Missile Impact			
Series/Model: PW-520	Scale: NTS	Sheet: 9 of 10	Drawing No. 5190-1
Rev: B			

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1114.18
Expiration Date 01/08/2014
By: *[Signature]*
Miami Dade Product Control



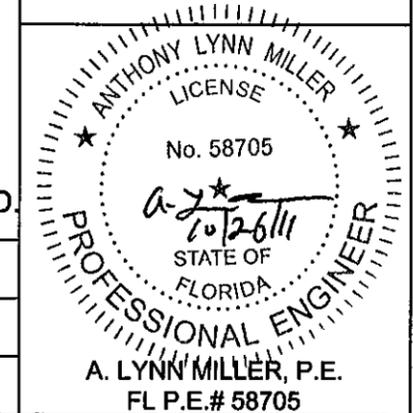
A. LYNN MILLER, P.E.
FL P.E.# 58705



NOTES:

1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED 3/16" ULTRACON, EMBEDDED 1 3/8" MIN., DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1" MINIMUM.
2. FOR WOOD APPLICATIONS IN MIAMI-DADE COUNTY, USE #10 STEEL SCREW, EMBEDDED 1 3/8" MIN..
3. FOR INTEGRAL FIN APPLICATIONS IN MIAMI-DADE COUNTY, USE 1/8" DIA. x 1 1/2" NAIL.
4. WOOD BUCKS DEPICTED IN THE SECTIONS ON THIS PAGE AS 1x ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1 1/2". 1x WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
5. FOR ATTACHMENT TO ALUMINUM: THE MATERIAL SHALL BE A MINIMUM STRENGTH OF 6063-T5 AND A MINIMUM OF 1/8" THICK. THE ALUMINUM STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW FRAME SIMILAR TO THAT SHOWN IN THESE DETAILS FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE A #10 SHEET METAL SCREW WITH FULL ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET, THE RESPECTIVE DESIGN PRESSURES AND ANCHORAGE SPACING FOR ULTRACONS MAY BE USED.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 11-1114.18
 Expiration Date 07/08/2014
 By: *[Signature]*
 Miami Dade Product Control



Revsd By: D.G.	Date: 11/25/08	Revisions: A	PER MIAMI-DADE LETTER DATED 10/31/08
Revsd By: J.J.	Date: 10/18/11	Revisions: B	NO CHANGE THIS SHEET
Revsd By:	Date:	Revisions:	
Drawn By: D.G.	Date: 8/04/08	Checked By:	Date:

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



Description: ANCHORAGE DETAILS, INTEGRAL FIN			
Title: Vinyl Picture Window, Large Missile Impact			
Series/Model: PW-520	Scale: NTS	Sheet: 10 of 10	Drawing No. 5190-1
			Rev: B