



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

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 RER - 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. RER 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-5440" PVC Fixed Window – N.I.

APPROVAL DOCUMENT: Drawing No. **MD-5440.0** titled "Vinyl Fixed Casement Window NOA (NI)", sheets 1 through 11 of 11, dated 09/09/14, with revision A dated 05/05/16, prepared by manufacturer, 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: None

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# 15-0415.02 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



Manuel Perez
8/26/16

NOA No. 16-0714.20
Expiration Date: September 24, 2020
Approval Date: September 01, 2016
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 15-0415.02)
2. Drawing No. **MD-5440.0** titled "Vinyl Fixed Casement Window NOA (NI)", sheets 1 through 11 of 11, dated 09/09/14, with revision A dated 05/05/16, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a PVC sliding glass door, a PVC fixed window and an aluminum sliding glass door, using: Kodispace 4SG TPS spacer system, Duraseal® spacer system, Super Spacer® NXT™ spacer system and XL Edge™ spacer system at insulated glass, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-8717**, **FTL-8968** and **FTL-8970**, dated 11/16/15, 06/07/16 and 06/02/16 respectively, all signed and sealed by Idalmis Ortega, 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) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 5520/5420 PVC fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7897**, dated 09/03/14, signed and sealed by Idalmis Ortega, P.E.
(Submitted under previous NOA No. 15-0415.02)
3. 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, and TAS 202-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 5540/5440 PVC casement picture windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8128**, dated 02/10/15, signed and sealed by Idalmis Ortega, P.E.
(Submitted under previous NOA No. 15-0415.02)



Manuel Perez, P.E.
Product Control Examiner
NOA No. 16-0714.20

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B. TESTS (CONTINUED)

4. 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, and TAS 202-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 5540/5440 vinyl fixed windows w/tube mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8174**, dated 03/31/15, signed and sealed by Idalmis Ortega, P.E.
(Submitted under previous NOA No. 15-0415.02)
5. Additional, Reference test report **FTL-8183** per TAS 201, 202 & 203-94, issued by Fenestration Testing Laboratory, Inc.

C. CALCULATIONS

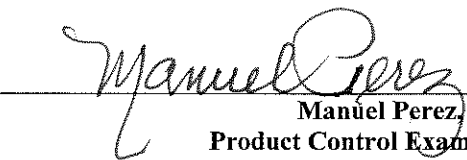
1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)**, dated 04/24/15 and revised on 09/03/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under previous NOA No. 15-0415.02)
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS (CONTINUED)

1. Notice of Acceptance No. **12-1120.02** issued to Royal Window and Door Profiles, Plant 13 for their "**White Rigid PVC Exterior Extrusions for Windows and Doors**" dated 02/28/13, expiring on 02/28/18.
2. Notice of Acceptance No. **14-0529.13** issued to Royal Window and Door Profiles, Plant 13 for their "**Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**" dated 04/16/15, expiring on 04/16/20.
3. Notice of Acceptance No. **14-0529.14** issued to Royal Window and Door Profiles, Plant 13 for their "**Performance Core Rigid PVC Exterior Extrusions for Windows and Doors**" dated 04/16/15, expiring on 04/16/20.


Manuel Perez, P.E.
Product Control Examiner

NOA No. 16-0714.20

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F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, dated April 10, 2015, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under previous NOA No. 15-0415.02)
2. Statement letter of no financial interest, dated April 10, 2015, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under previous NOA No. 15-0415.02)
3. Proposal issued by the Product Control Section, dated 09/29/14 and revised on 10/15/14, signed by Jaime D. Gascon, P.E.
(Submitted under previous NOA No. 15-0415.02)
4. Proposal No. **16-0125** issued by the Product Control Section, dated March 09, 2016, signed by Ishaq Chanda, P.E.

G. OTHERS

1. Notice of Acceptance No. **15-0415.02**, issued to PGT Industries, Inc. for their Series "PW-5440" Vinyl Fixed Windows – Non-Impact, approved on 09/24/15 and expiring on 09/24/20.


Manuel Perez, P.E.
Product Control Examiner

NOA No. 16-0714.20

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1) THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2) SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.

3) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS. MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE.

4) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND SECURED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD, (AOR).

5) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE EMBEDMENT. INSTALLATION ANCHORS SHOULD BE SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

6) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.

7) DESIGN PRESSURES:

A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.

B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.

8) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED AND SECURED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

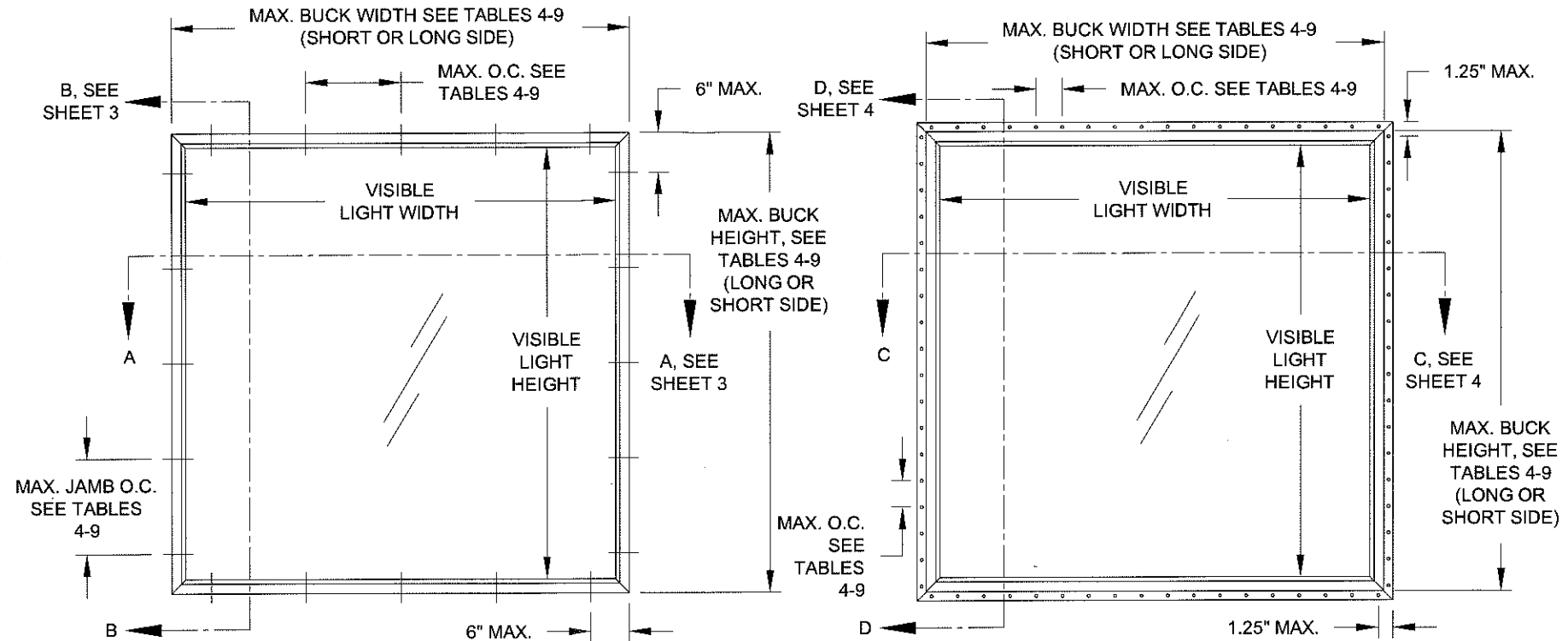
9) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

10) REFERENCES: TEST REPORTS FTL-7897, 8128, 8174; ELCO ULTRACON NOA; ELCO CRETEFLEX NOA; ELCO AGGRE-GATOR NOA; ROYAL WINDOW AND DOOR PROFILES, LTD WHITE & BRONZE/LIGHTER SHADES OF CAP COATED PVC EXTRUSION NOA'S; NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, ANSI/AF&PA NDS & ALUMINUM DESIGN MANUAL

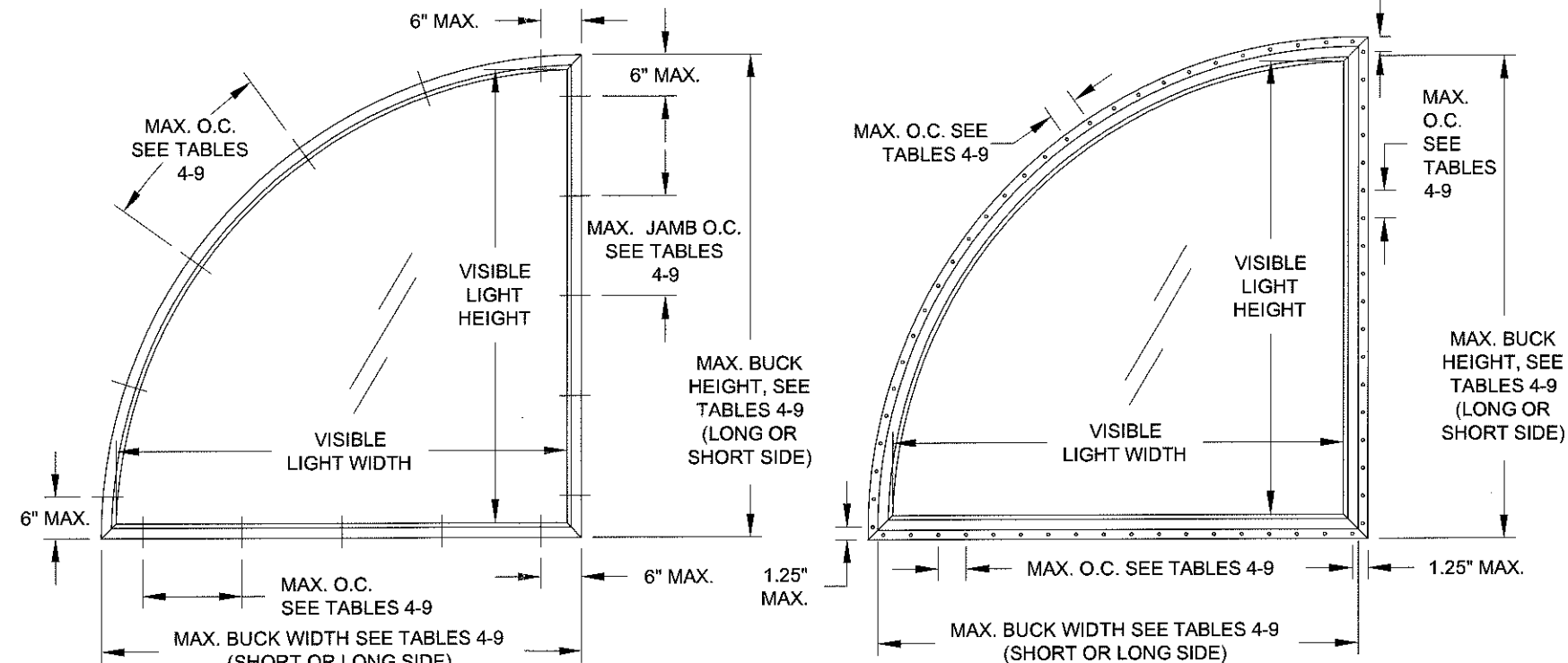
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WIDTH: BUCK WIDTH - 6-3/4"
HEIGHT: BUCK HEIGHT - 6-3/4"

- 2014 FLORIDA BUILDING CODE (FBC), 5TH EDITION
- ASTM E1300-09
- ANSI/AP&PA NDS-2012 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, ADM-2010
- AISI-S100-07/S2-2010



TYP. INTEGRAL FIN & J-CHANNEL
FRAME (90° CORNERS)
(ANCHORED THROUGH NAIL FIN)

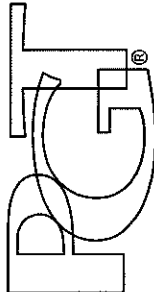


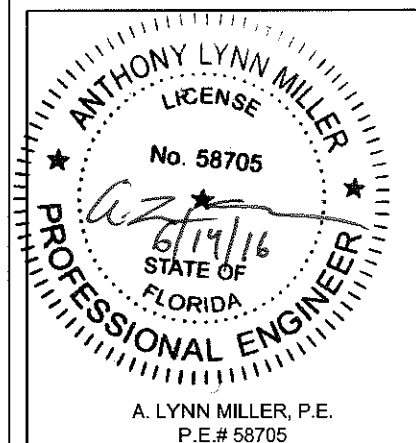
TYP. INTEGRAL FIN & J-CHANNEL
FRAME (CURVED OR ANGLED
CORNERS)
(ANCHORED THROUGH NAIL FIN)

IMPACT RATING	DESIGN PRESSURE RATING
NOT RATED FOR IMPACT RESISTANCE	VARIABLES PER OPTIONS, SEE TABLES 4-9, SHEETS 8-10

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0714-20
Expiration Date Sept. 24, 2020
By Manuel Seroz
Miami Dade Product Control

Rev. 4	JR - 05/05/16 - ADDED SPACERS TO SHEET 11.
Rev. 2	
Rev. 3	

		CERT. OF AUTH. #29296		1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600	
		VINYL FIXED CASEMENT WINDOW NOA (NI)		Date	9/9/14
GENERAL NOTES & ELEVATION		Drawn By		J ROSOWSKI	
PW-5440	Scale	NTS	Sheet	1 OF 11	DWG No.
				MD-5440.0	Rev.
				A	



Glass Type	Description	Table #	Sheet #
1	7/8" I.G.: 1/8" A Exterior Cap + 5/8" Air Space + 1/8" A	4	8
2	7/8" I.G.: 1/8" T Exterior Cap + 5/8" Air Space + 1/8" T	5	8
3	7/8" I.G.: 3/16" A Exterior Cap + 1/2" Air Space + 3/16" A	6	9
4	7/8" I.G.: 3/16" T Exterior Cap + 1/2" Air Space + 3/16" T	7	9
5	1" I.G.: 1/4" A Exterior Cap + 1/2" Air Space + 1/4" A	8	10
6	1" I.G.: 1/4" T Exterior Cap + 1/2" Air Space + 1/4" T	9	10

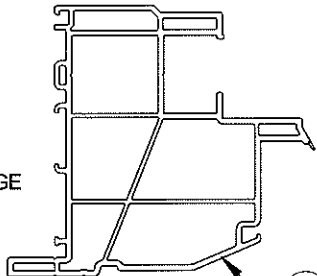
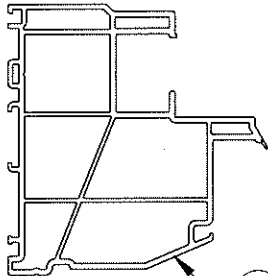
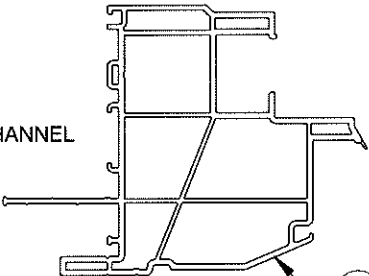
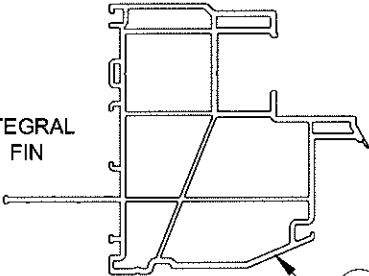
TABLE 2: ANCHORS INSTALLED THROUGH FRAME

Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment*
A	#10 SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG=0.55)	7/16"	1-3/8"
		Steel, A36*	3/8"	0.050"
		Steel Stud, A653 Gr. 33*	3/8"	0.0451" (18 Ga.)
		Aluminum, 6063-T5*	3/8"	0.050"
	3/16" steel Ultracon	P.T. Southern Pine (SG=0.55)	7/16"	1-3/8"
		Concrete (min. 2.85 ksi)	1"	1-3/8"
		Ungrouted CMU, (ASTM C-90)	2-1/2"	1-1/4"
B	#12 SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG=0.55)	9/16"	1-3/8"
		Steel, A36*	3/8"	0.050"
		Steel Stud, A653 Gr. 33*	3/8"	0.0451" (18 Ga.)
		Aluminum, 6063-T5*	3/8"	0.063"
C	1/4" steel Ultracon	Concrete (min. 2.85 ksi)	1"	1-3/4"
		Ungrouted CMU, (ASTM C-90)	2-1/2"	1-1/4"
	1/4" steel Creteflex	Concrete (min. 3.35 ksi)	1"	1-3/4"
D	1/4" steel Ultracon	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
	1/4" steel Creteflex	Ungrouted CMU, (ASTM C-90)	2-1/2"	1-1/4"
		P.T. Southern Pine (SG=0.55)	1"	1-3/8"
	1/4" steel Aggre-Gator	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
		Grouted CMU, (ASTM C-90)	2"	2"
	1/4" steel Ultracon	Concrete (min. 2.85 ksi)	2-1/2"	1-3/4"
	1/4" steel Creteflex	Concrete (min. 3.35 ksi)	2-1/2"	1-3/4"
	1/4" steel Aggre-Gator	Concrete (min. 3.275 ksi)	1-1/2"	1-3/8"

"UNGROUTED CMU"
VALUES MAY BE
USED FOR GROUTED
CMU APPLICATIONS.

Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment*
E	2-1/2" x .131" Common Nail	P.T. Southern Pine (SG=.55)	3/8"	2-7/16"
F	2-1/2" Ring-shank Roofing Nail	P.T. Southern Pine (SG=.55)	3/8"	2-7/16"
	#10 Trusshead SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG=.55)	1/2"	1-3/8"
		Aluminum, 6063-T5*	3/8"	0.050"
		Steel Stud, Gr. 33*	3/8"	0.0451" (18 Ga.)
		Steel, A36*	3/8"	0.050"
	#12 SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG=.55)	9/16"	1-3/8"
		Aluminum, 6063-T5*	3/8"	0.063"
		Steel Stud, Gr. 33*	3/8"	0.050"
		Steel, A36*	3/8"	0.050"

* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE. FOR STEEL STUDS, MIN $F_u=45$ KSI.

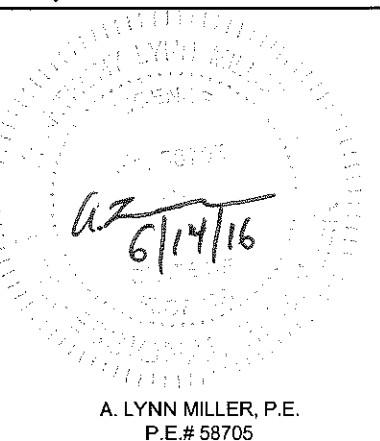
 FLANGE 2	 BOX OR EQUAL LEG 4
 J-CHANNEL 1	 INTEGRAL FIN 3

NOTE: SEE DETAILS AND DIMENSIONS ON SHEET 11

Diagram showing eight basic shapes with their dimensions labeled: LONG SIDE and SHORT SIDE.

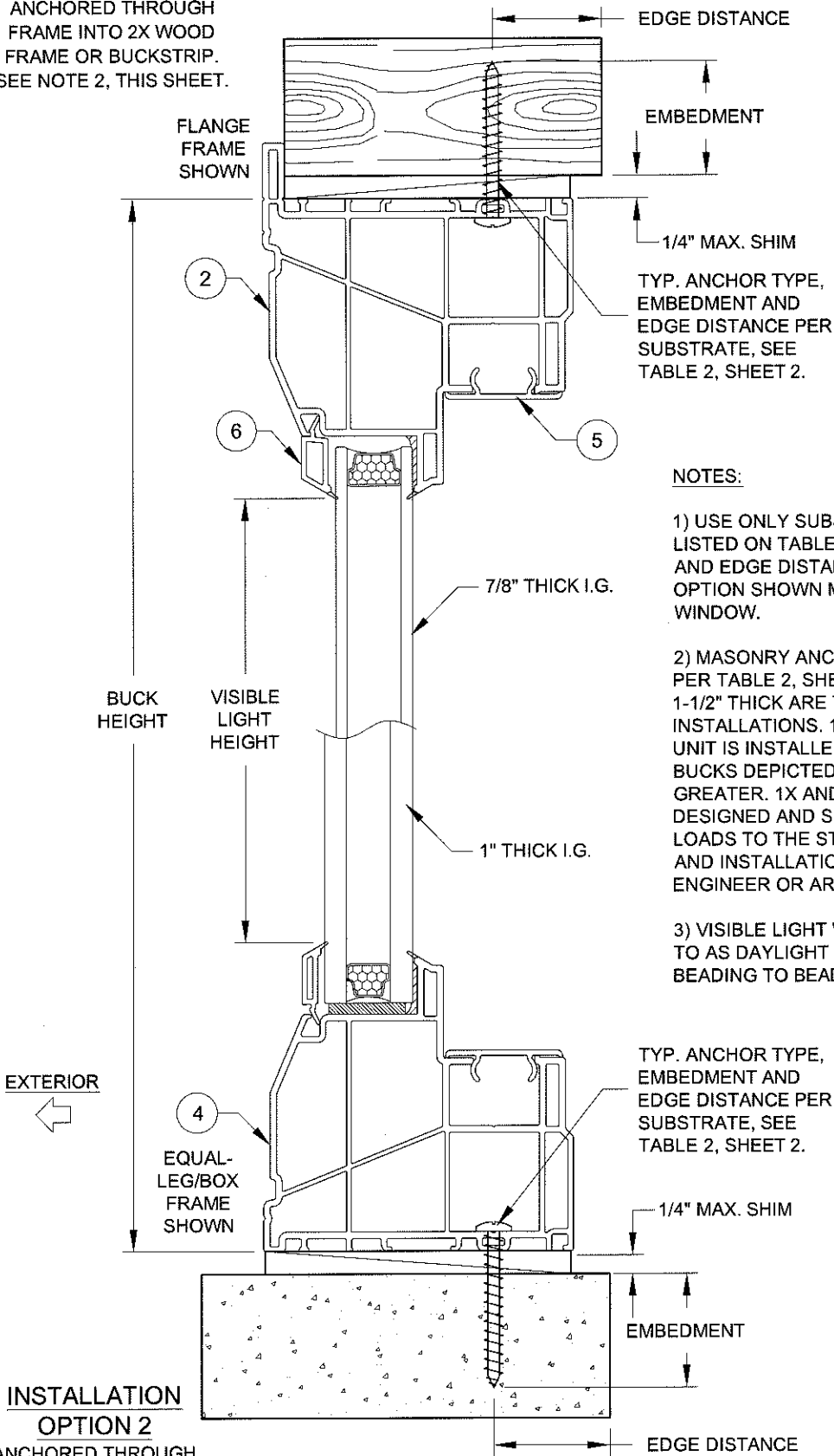
- 1. Semi-circle
- 2. Flattened semi-circle
- 3. Trapezoid
- 4. Rounded rectangle
- 5. Right triangle
- 6. Equilateral triangle
- 7. Parallelogram
- 8. Circle
- 9. Octagon
- 10. Tall rounded rectangle

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0714.20
Expiration Date Sept. 24, 2020
By Manuel Perez
Miami Dade Product Control



INSTALLATION DETAILS FOR FLANGE & EQUAL-LEG/BOX FRAMES

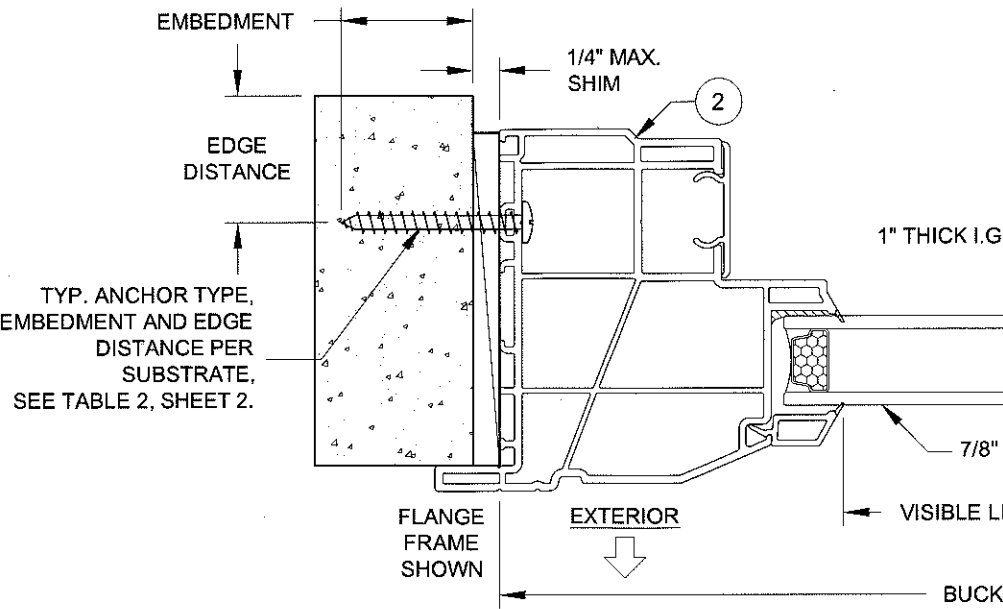
INSTALLATION
OPTION 1
ANCHORED THROUGH
FRAME INTO 2X WOOD
FRAME OR BUCKSTRIP.
SEE NOTE 2, THIS SHEET.



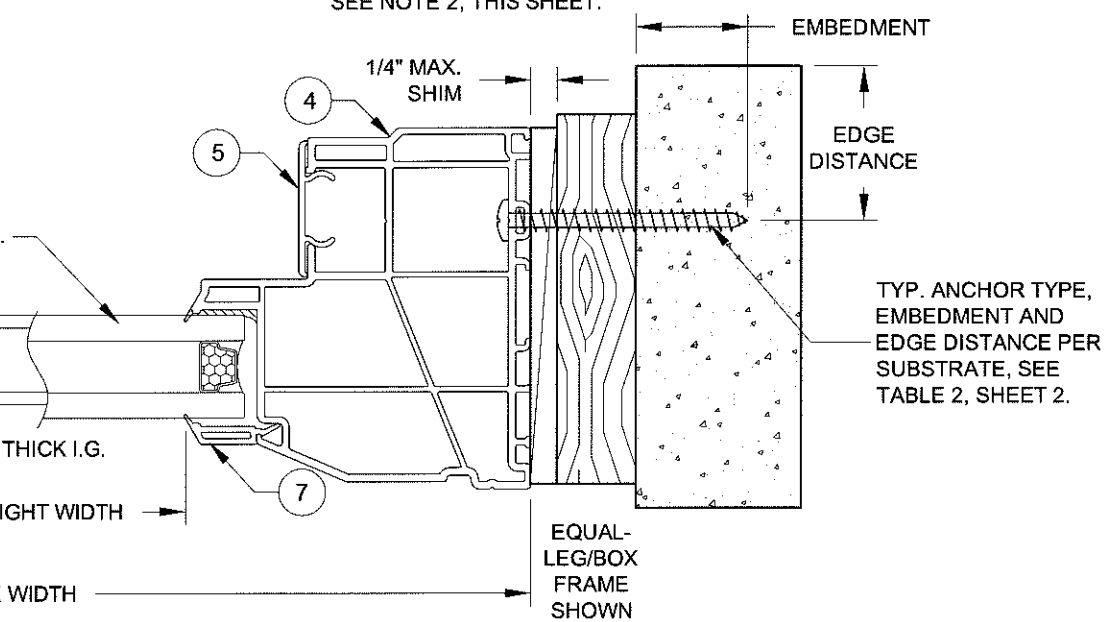
INSTALLATION
OPTION 2
ANCHORED THROUGH
FRAME DIRECTLY INTO
CONCRETE/CMU.

VERTICAL SECTION B-B

INSTALLATION OPTION 2
ANCHORED THROUGH FRAME
DIRECTLY INTO CONCRETE/CMU.

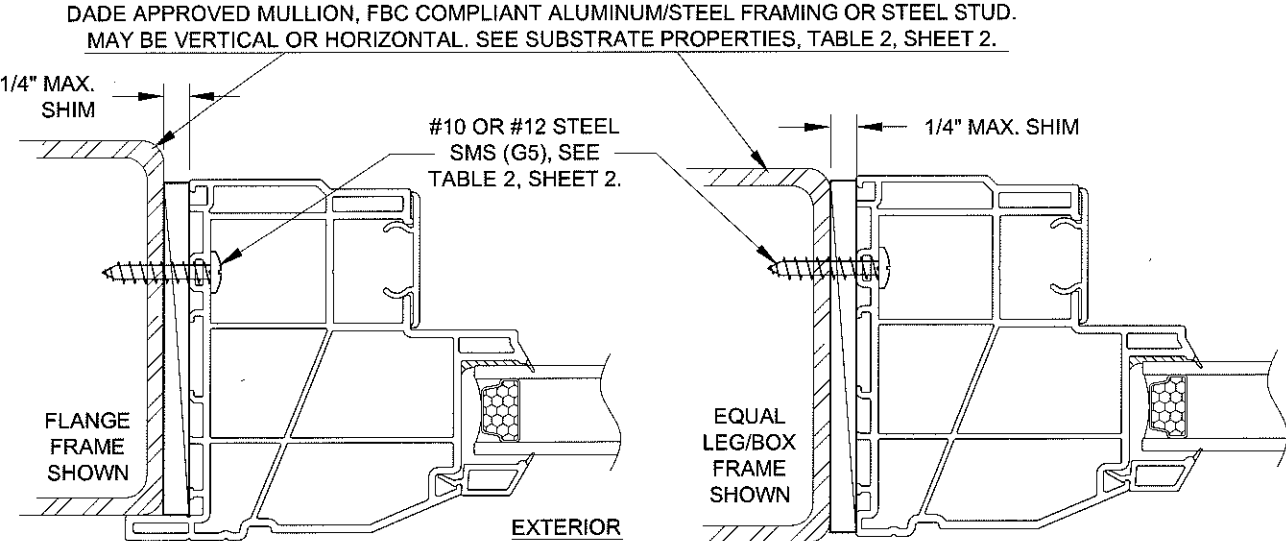


INSTALLATION OPTION 3
ANCHORED THROUGH FRAME AND 1X
BUCKSTRIP INTO CONCRETE/CMU.
SEE NOTE 2, THIS SHEET.



HORIZONTAL SECTION A-A

- NOTES:
- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 2, SHEET 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.
 - 2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 2, SHEET 2. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND SECURED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
 - 3) VISIBLE LIGHT WIDTH OR HEIGHT (ALSO REFERRED TO AS DAYLIGHT OPENING) IS MEASURED FROM BEADING TO BEADING.



INSTALLATION
OPTION 4
ANCHORED THROUGH
FRAME INTO METAL

INSTALLATION
OPTION 4
ANCHORED THROUGH
FRAME INTO METAL

VISIBLE LIGHT FORMULAS
WIDTH: BUCK WIDTH - 6-3/4"
HEIGHT: BUCK HEIGHT - 6-3/4"

PGT
CERT. OF AUTH. #29296
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

Title	VINYL FIXED CASEMENT WINDOW NOA (NI)						Date	9/9/14	
Desc.	FLANGE & EQUAL-LEG/BOX FRAMES					Drawn By	J ROSOWSKI		
Rev A									
Rev 2									
Series	PW-5440	Scale	NTS	Sheet	3 OF 11	DWG No.	MD-5440.0	Rev. No.	A

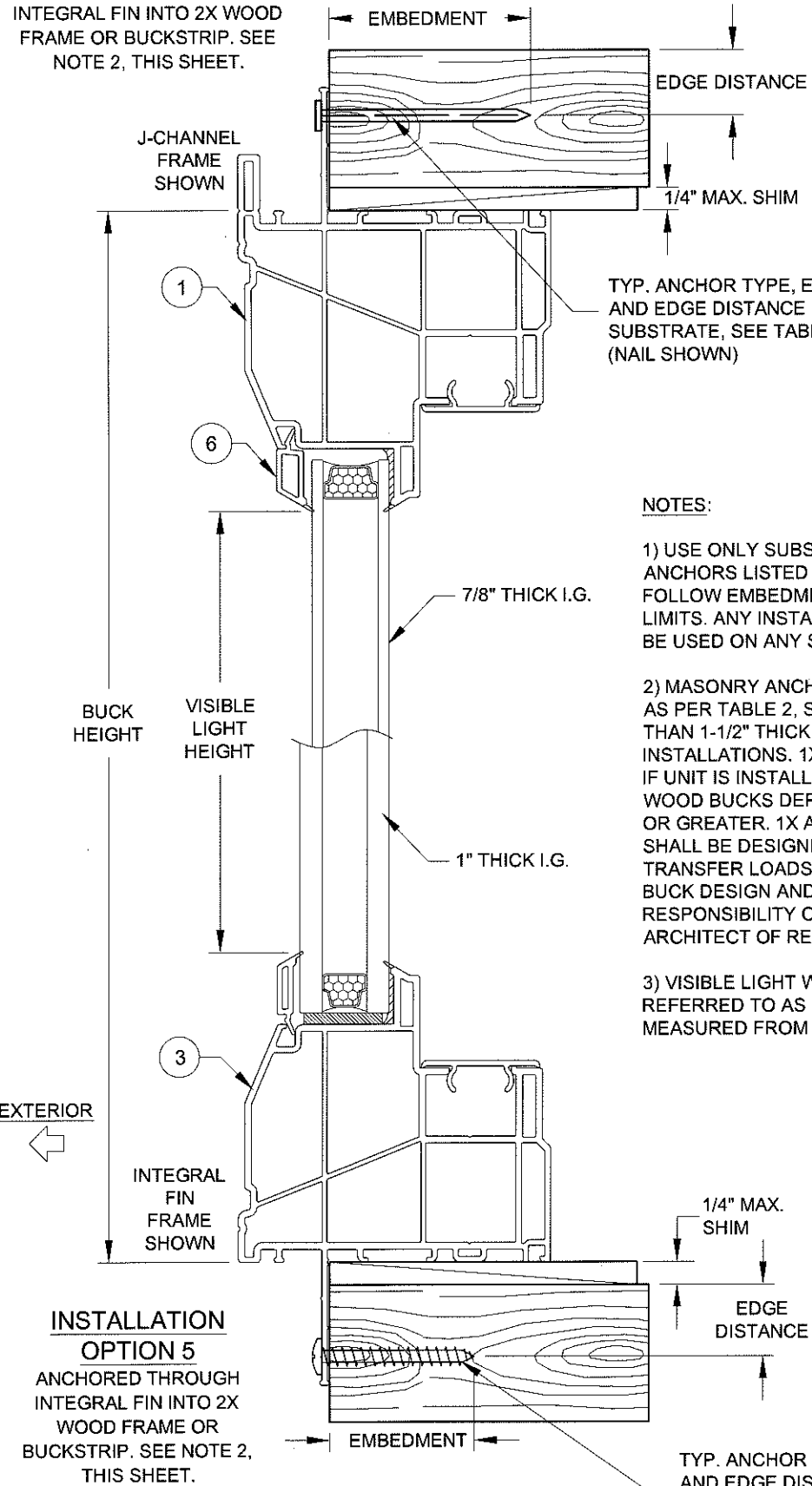
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0714-20
Expiration Date Sept. 24, 2020
By *Manuel Perez*
Miami Dade Product Control

4-26/14/16

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

INSTALLATION DETAILS FOR INTEGRAL FIN & J-CHANNEL FRAMES

INSTALLATION OPTION 5
ANCHORED THROUGH
INTEGRAL FIN INTO 2X WOOD
FRAME OR BUCKSTRIP. SEE
NOTE 2, THIS SHEET.



TYP. ANCHOR TYPE, EMBEDMENT
AND EDGE DISTANCE PER
SUBSTRATE, SEE TABLE 3, SHEET 2.
(NAIL SHOWN)

NOTES:

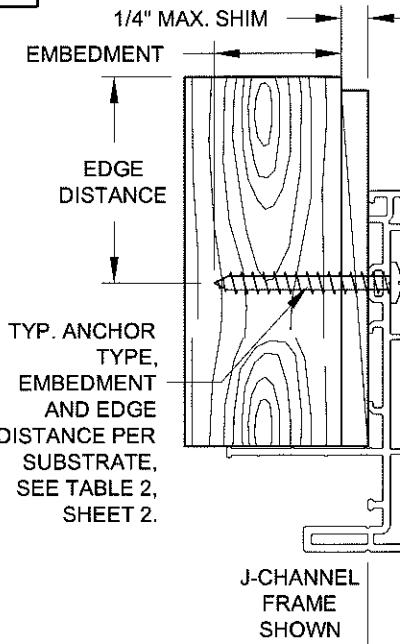
- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLES 2 & 3, SHEET 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.
- 2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 2, SHEET 2. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND SECURED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
- 3) VISIBLE LIGHT WIDTH OR HEIGHT (ALSO REFERRED TO AS DAYLIGHT OPENING) IS MEASURED FROM BEADING TO BEADING.

1/4" MAX.
SHIM
EDGE
DISTANCE

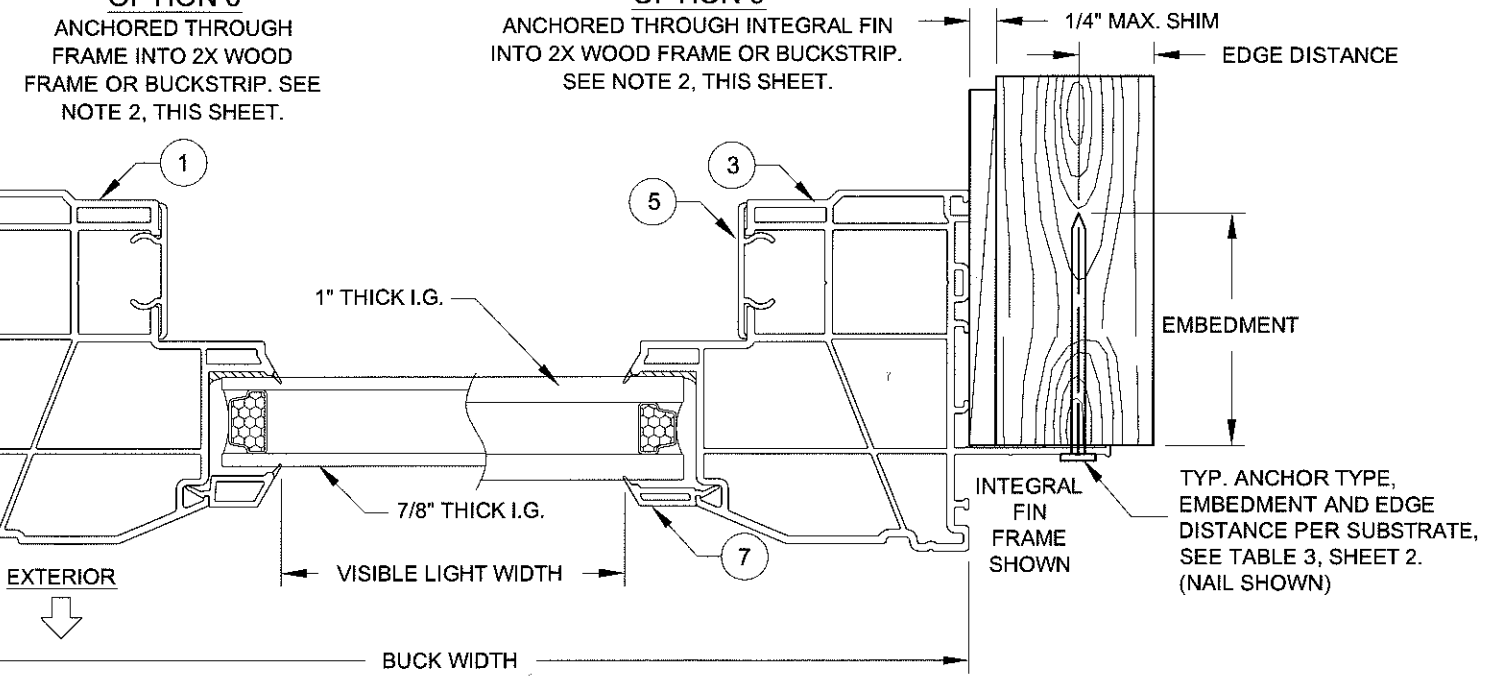
TYP. ANCHOR TYPE, EMBEDMENT
AND EDGE DISTANCE PER
SUBSTRATE, SEE TABLE 3, SHEET 2.
(SCREW SHOWN)

VISIBLE LIGHT FORMULAS
WIDTH: BUCK WIDTH - 6-3/4"
HEIGHT: BUCK HEIGHT - 6-3/4"

INSTALLATION
OPTION 6
ANCHORED THROUGH
FRAME INTO 2X WOOD
FRAME OR BUCKSTRIP. SEE
NOTE 2, THIS SHEET.

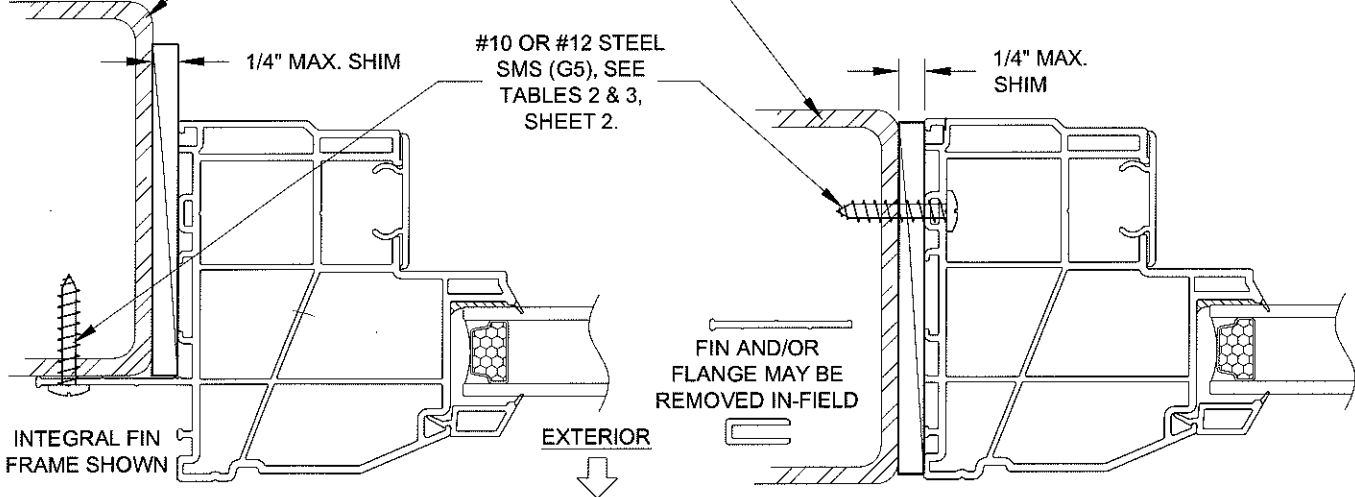


INSTALLATION
OPTION 5
ANCHORED THROUGH INTEGRAL FIN
INTO 2X WOOD FRAME OR BUCKSTRIP.
SEE NOTE 2, THIS SHEET.



HORIZONTAL SECTION C-C

DADE APPROVED MULLION, FBC COMPLIANT ALUMINUM/STEEL FRAMING OR STEEL STUD.
MAY BE VERTICAL OR HORIZONTAL. SEE SUBSTRATE PROPERTIES, TABLES 2 & 3, SHEET 2.



INSTALLATION OPTION 7
INSTALLATION THROUGH THE INTEGRAL FIN,
INTO METAL, SEE TABLE 3, SHEET 2.

INSTALLATION OPTION 8
INSTALLATION THROUGH THE FRAME,
INTO METAL, SEE TABLE 2, SHEET 2.

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as complying with the Florida
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Acceptance No. 16-0714-20
Expiration Date Sept. 24, 2020
By *Manuel Perez*
Miami Dade Product Control

PGT
CERT. OF AUTH. #29296
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

Title	VINYL FIXED CASEMENT WINDOW NOA (NI)							Date	9/9/14		
	J-CHANNEL & INTEGRAL FIN FRAMES						Drawn By	J ROSOWSKI			
Series	PW-5440	Scale	NTS	Sheet	4 OF 11		DWG No.	MD-5440.0		Rev. No.	A

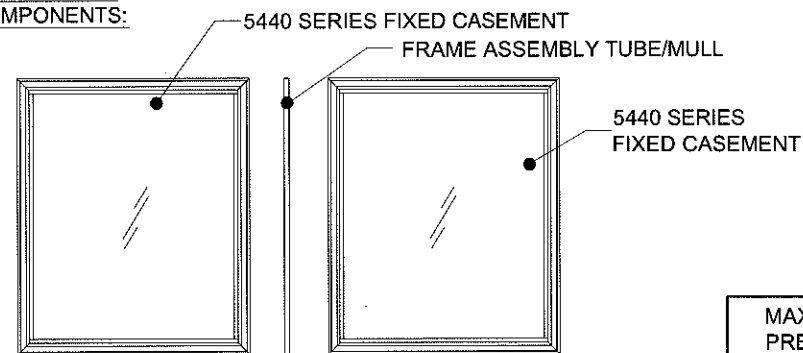
6/14/16

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

ILLUSTRATION OF FIXED CASEMENT- TO-FIXED CASEMENT (OO)

(EQUAL LEG/BOX FRAME WITH IDENTICAL PRODUCTS COMBINED)

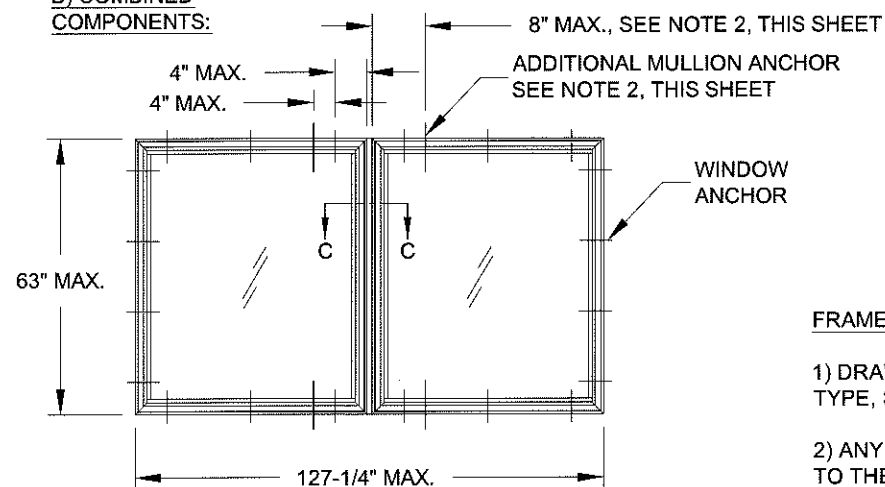
A) INDIVIDUAL
COMPONENTS:



MAXIMUM DESIGN
PRESSURE WHEN
USING THE FRAME
ASSEMBLY TUBE/MULL,
SEE NOTE 2:

+/- 70.0 PSF

B) COMBINED
COMPONENTS:



C) HORIZONTAL
SECTION C-C:

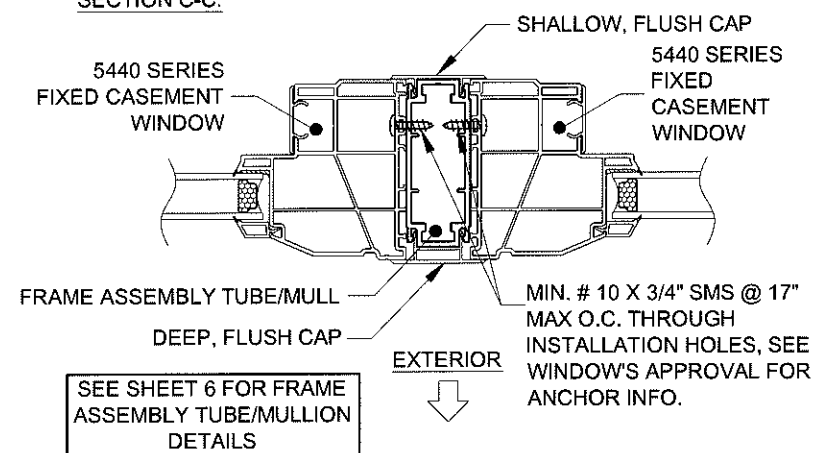
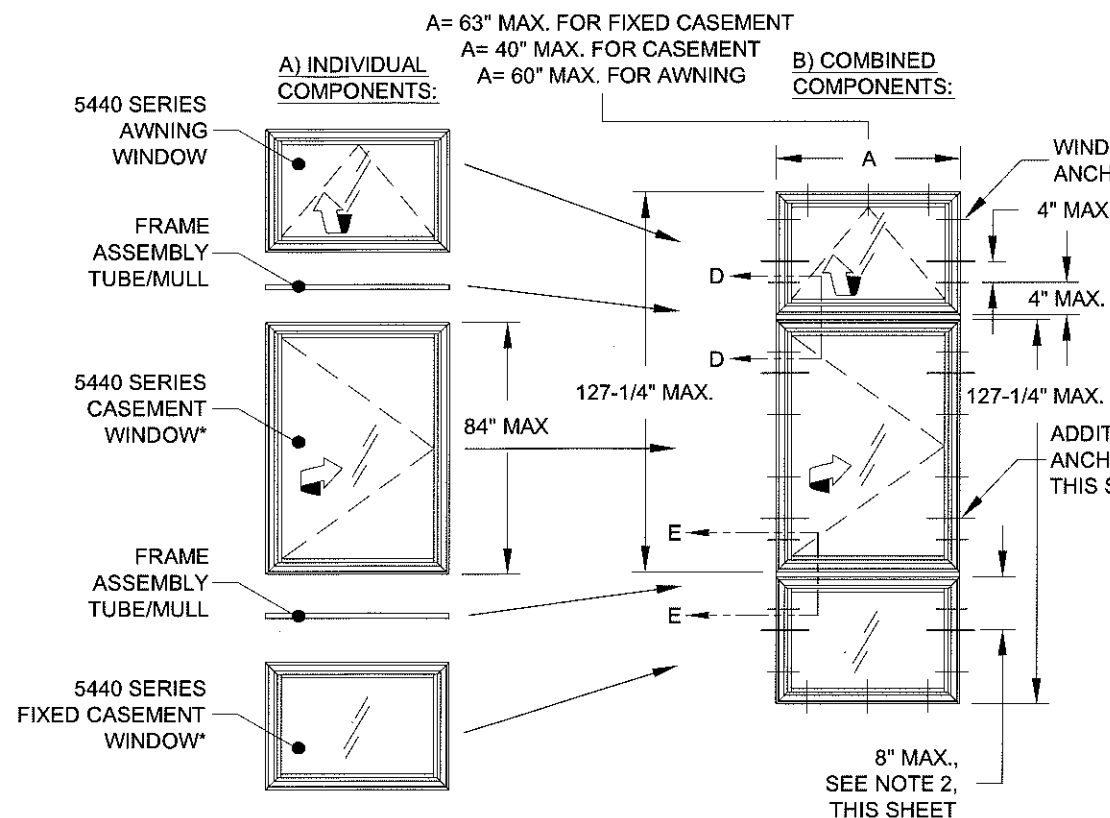


ILLUSTRATION OF AWNING-TO-CASEMENT-TO-FIXED CASEMENT (X/X/O)

(FLANGE FRAME WITH DIFFERENT 5440 SERIES PRODUCTS COMBINED)



*UNDER SEPARATE APPROVAL

VERTICAL
SECTION D-D

SEE
WINDOWS
APPROVAL
FOR ANCHOR
INFO

VERTICAL
SECTION E-E

EXTERIOR

SEE
WINDOWS
APPROVAL
FOR ANCHOR
INFO

FRAME ASSEMBLY TUBE/MULL NOTES, ALSO SEE NEXT SHEET:

- 1) DRAWINGS SHOWN ON THIS SHEET ARE EXAMPLE CONFIGURATIONS FOR ALL FRAME TYPES. ADDITIONAL CONFIGURATIONS BASED ON WINDOW SIZE, TYPE, SHAPE, QUANTITY AND FRAME ASSEMBLY TUBE ORIENTATION ARE PERMISSIBLE FOLLOWING THE GUIDELINES OF THIS SHEET.
- 2) ANY 5440-SERIES CASEMENT (UNDER SEPARATE APPROVAL), AWNING (UNDER SEPARATE APPROVAL) OR FIXED CASEMENT WINDOW MAY BE ATTACHED TO THE FRAME ASSEMBLY TUBE/MULL, IN ANY COMBINATION TO THE SPAN AND WIDTH LIMIT SHOWN. FOR ALL WINDOWS IN THE ASSEMBLY, USE EACH WINDOW'S INDIVIDUAL APPROVAL FOR ANCHORAGE, SIZE AND DESIGN PRESSURE LIMITATIONS. THE LOWEST DESIGN PRESSURE OF THE WINDOWS OR FRAME ASSEMBLY TUBE/MULL APPLIES TO THE ENTIRE ASSEMBLY.
- 3) FOR ALL COMBINATION UNITS, ADDITIONAL INSTALLATION ANCHORS ARE REQUIRED TO BE INSTALLED THROUGH THE WINDOW FRAMES, AS SHOWN ON THIS SHEET, ON EACH SIDE OF THE FRAME ASSEMBLY TUBE/MULL WHEN USING FLANGE OR EQUAL-LEG/BOX FRAMES. FOR FIN OR J-CHANNEL FRAMES ADDITIONAL ANCHORS AND END CAPS ARE REQUIRED AS SHOWN ON SHEET 6.
- 4) FOR FLANGE OR EQUAL-LEG/BOX FRAMES, THE FRAME ASSEMBLY TUBE TO BE FASTENED TO WINDOW, AS SHOWN IN DETAILS, WITH MIN. #10 X 1" SHEET METAL SCREWS. USE THE SAME SPACING AND QUANTITY AS THE WINDOW INSTALLATION ANCHORS GIVEN IN THAT PRODUCT'S APPROVAL, UP TO 17" MAX. O.C., ADD ADDITIONAL ANCHORS AS NEEDED. THE FRAME ASSEMBLY TUBE IS NOT REQUIRED TO BE CLIPPED TO THE SUBSTRATE. ALL EXTERIOR JOINTS TO BE SEALED BY INSTALLER.
- 5) THE FRAME ASSEMBLY TUBE/MULL MAY NOT EXCEED 63" IN LENGTH OR BE USED IN TEE OR CROSS CONFIGURATIONS. TWO ADJACENT WINDOWS MAY NOT EXCEED A TOTAL OF 127-1/4" IN WIDTH OR HEIGHT, FROM WINDOW BUCK TO WINDOW BUCK, INCLUDING THE FRAME ASSEMBLY TUBE/MULL WIDTH.



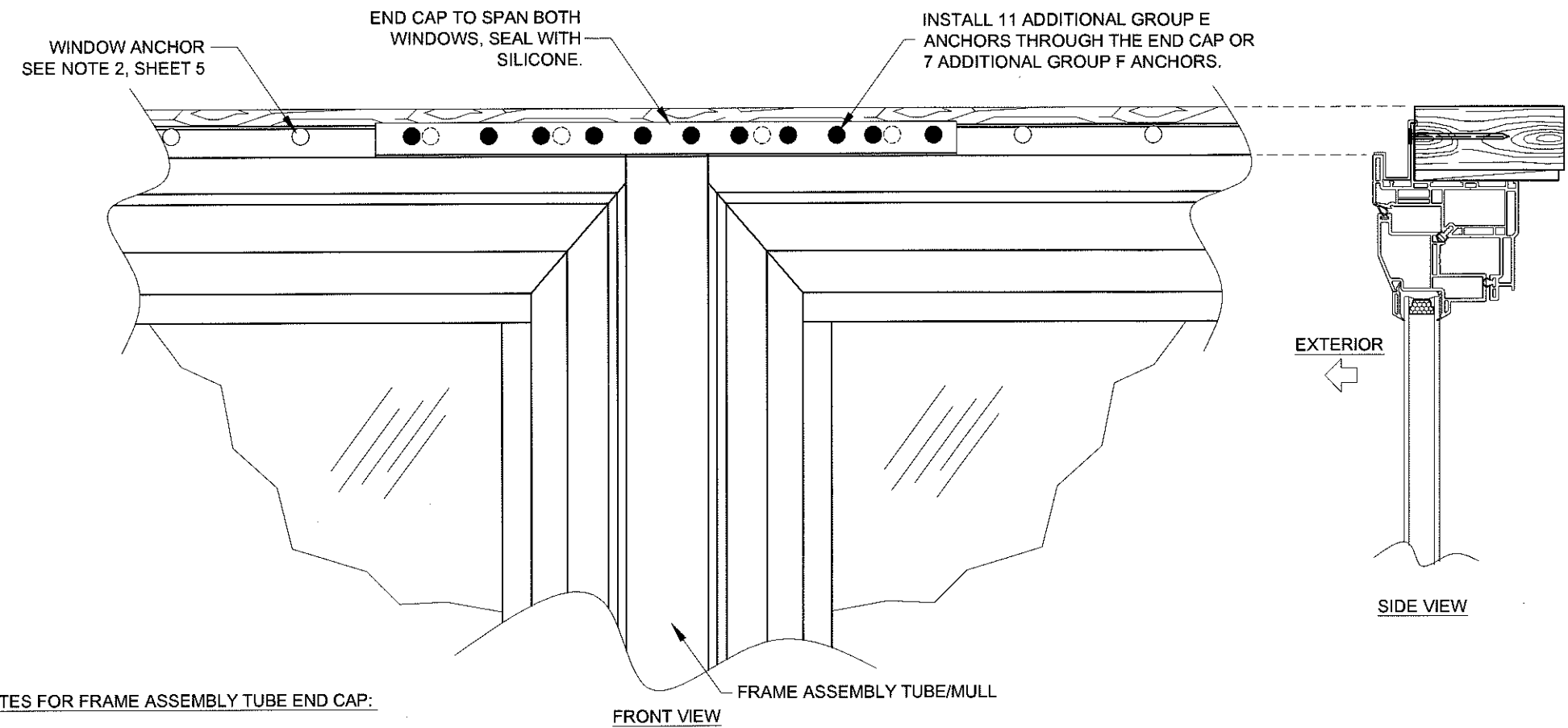
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

Series	Rev 2	VINYL FIXED CASEMENT WINDOW NOA (NI)			Date	9/9/14
		FRAME ASSEMBLY TUBE DETAILS A			Drawn By	J ROSOWSKI
PW-5440	Scale	NTS	Sheet	5 OF 11	DWG. No.	MD-5440.0
					Rev. No.	A

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Acceptance No 16-0714.20
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By Manuel Jerez
Miami Dade Product Control

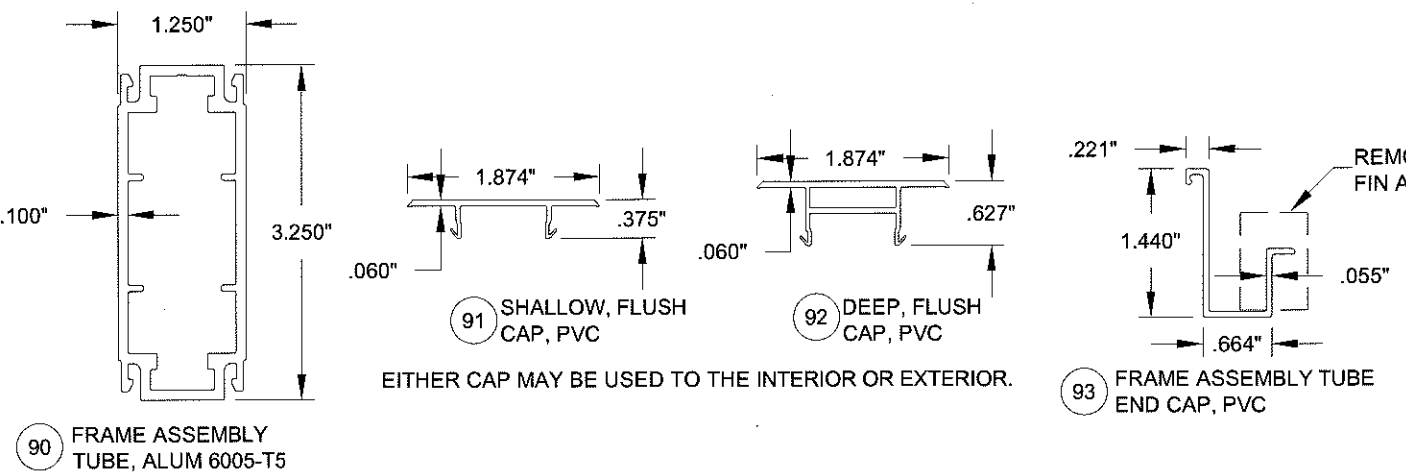
A. LYNN MILLER, P.E.
P.E.# 58705

ILLUSTRATION OF END CAP USE WITH FIN AND J-CCHANNEL FRAMES

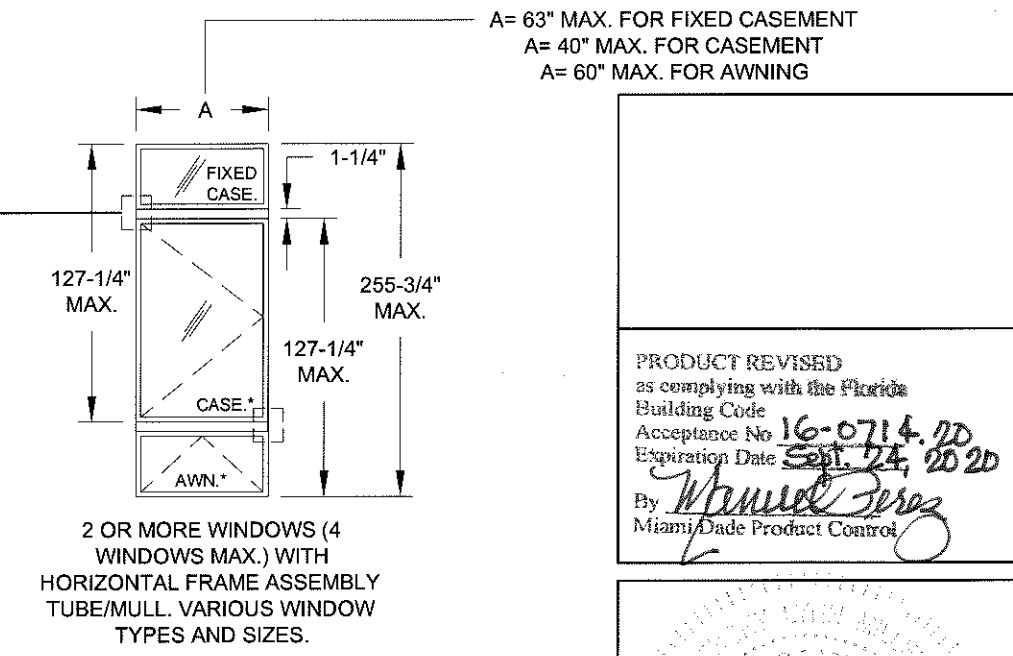
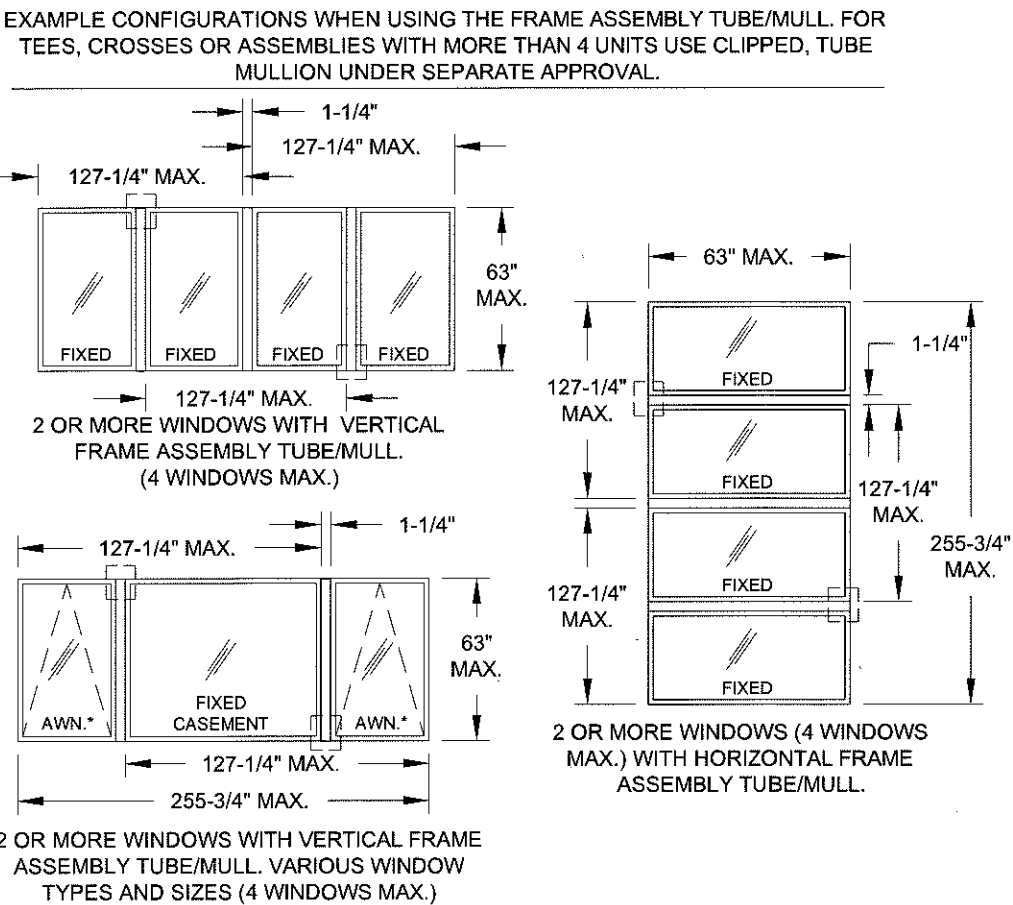


NOTES FOR FRAME ASSEMBLY TUBE END CAP:

- 1) APPLIES TO FIN OR J-CCHANNEL FRAMES.
- 2) REQUIRED AT HEADER/SILL OR JAMBS TO SEAL THE END OF THE FRAME ASSEMBLY TUBE.
- 3) ALL WINDOW TYPES AND FRAME ASSEMBLY TUBE ORIENTATIONS APPLICABLE, SEE SHEET 5.
- 4) END CAP MAY REQUIRE IN-FIELD TRIMMING. STANDARD LENGTH IS 14".



FRAME ASSEMBLY TUBE NOTE:
REFER TO SHEET 5 FOR THROUGH-FRAME ANCHORAGE AND THIS SHEET FOR NAIL FIN ANCHORAGE DETAILS TYP. AT ALL FRAME ASSEMBLY TUBE ENDS BOTH HORIZONTAL AND VERTICAL

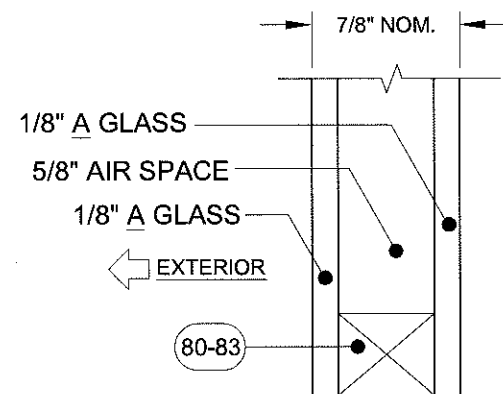


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Expiration Date Sept. 24, 2020
By Manuel Perez
Miami Dade Product Control

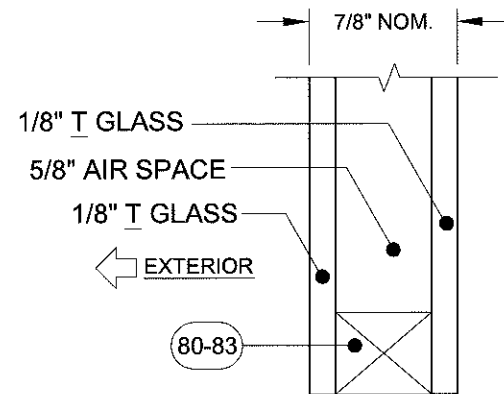
PGT
CERT. OF AUTH. #29296
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

Title	VINYL FIXED CASEMENT WINDOW NOA (NI)										Date	9/9/14		
	FRAME ASSEMBLY TUBE DETAILS B											Drawn By	J ROSOWSKI	
Desc.														
Rev A														
Rev 2														
Series	PW-5440		Scale	NTS		Sheet	6 OF 11		DWG No.	MD-5440.0		Rev. No.	A	

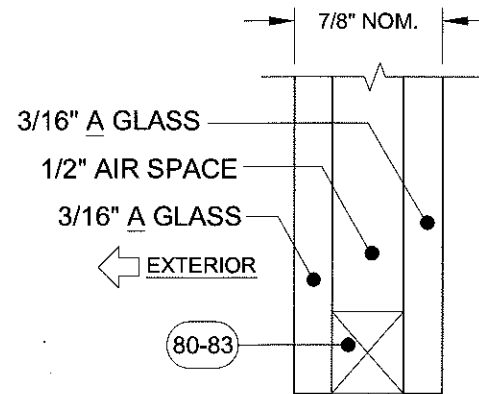
A. LYNN MILLER, P.E.
P.E.# 58705



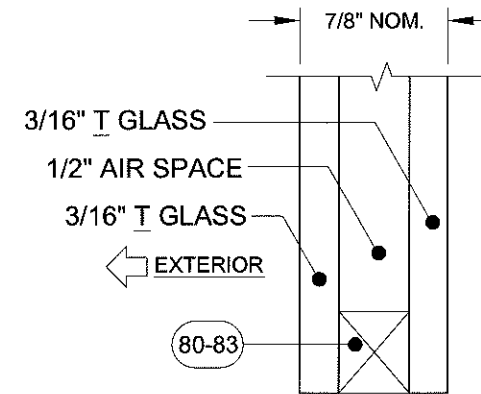
GLASS TYPE 1



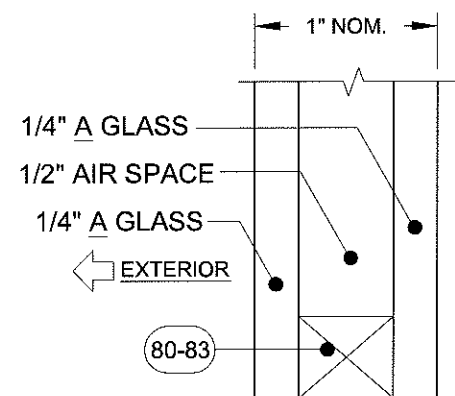
GLASS TYPE 2



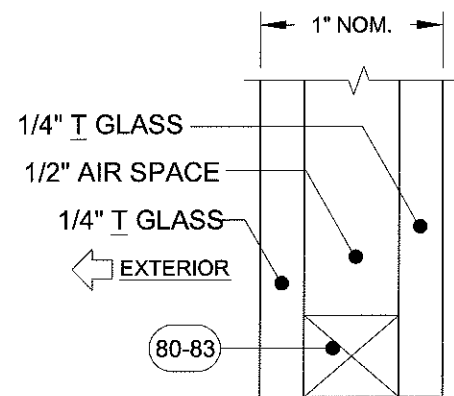
GLASS TYPE 3



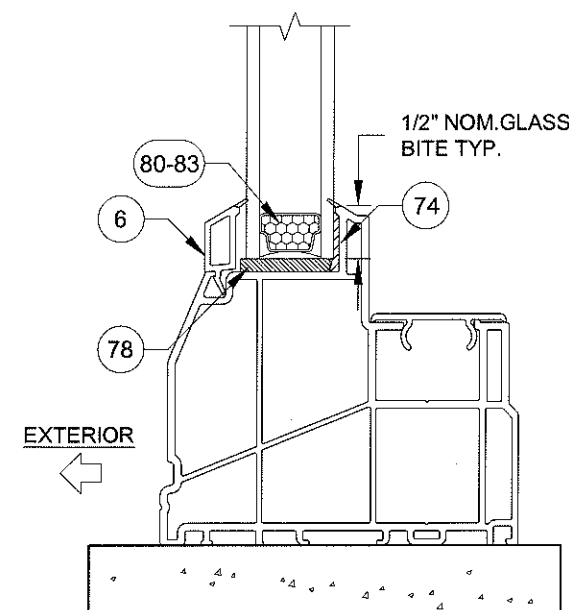
GLASS TYPE 4



GLASS TYPE 5



GLASS TYPE 6



TYP. GLAZING DETAIL

GLAZING NOTES:
"A" = ANNEALED
"T" = TEMPERED

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Expiration Date Sept. 24, 2020
By *Manuel Perez*
Miami Dade Product Control

Rev A	
Rev 2	
Rev 3	

1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600	Date	9/9/14	J ROSOWSKI	Rev.	A
				No.	MD-5440.0
				DWG	
				7 OF 11	
 VINYL FIXED CASEMENT WINDOW NOA (NI)	Title	Scale	NTS	Sheet	PW-5440

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

TABLE 4:

Window Design Pressure, (+/- psf)												Use this table for Glass Type:	1
1/8" A Cap - Airspace - 1/8" A													
Window Dimensions	Long Side (in)												
	51.05	54	56	58	62	64	68	72	76	80	84	87	
Short Side (in)	18	+80/-93.7	+80/-92.6	+80/-91.9	+80/-91.3	+80/-90.3	+80/-89.8	+80/-88.9	+80/-88.2	+80/-87.5	+80/-86.9	+80/-86.4	+80/-86.1
	20	+80/-86.4	+80/-85.2	+80/-84.5	+80/-83.5	+80/-80.6	+/-79.4	+/-77	+/-75.2	+/-74	+/-73.1	+/-72.2	+/-71.5
	22	+80/-80.3	+/-75.2	+/-73.3	+/-71.5	+/-68.4	+/-67	+/-64.4	+/-62.5	+/-60.7	+/-59.2	+/-58	+/-57.1
	24	+/-75.6	+/-71.3	+/-68.2	+/-65.7	+/-60.7	+/-58.5	+/-55.3	+/-53.1	+/-51.1	+/-49.7	+/-48.2	+/-47.3
	26	+/-71.7	+/-70.2	+/-67	+/-63.5	+/-56.7	+/-54.7	+/-50.9	+/-47.7	+/-45.5	+/-43.7	+/-42.3	+/-41.2
	28	+/-68.3	+/-67	+/-66.1	+/-63.5	+/-56.3	+/-54	+/-49.5	+/-45.5	+/-42.8	+/-40.3	+/-38	+/-37.1
	30	+/-65.6	+/-64.1	+/-63.2	+/-62.4	+/-56.9	+/-54.4	+/-49.7	+/-45.4	+/-42.1	+/-38.9	+/-36.4	
	32	+/-63.2	+/-61.7	+/-60.8	+/-59.9	+/-57.8	+/-54.9	+/-50.2	+/-45.9	+/-42.5	+/-38.9		
	34	+/-61.2	+/-59.6	+/-58.6	+/-57.8	+/-56.3	+/-55.1	+/-50.8	+/-46.4	+/-43.2			
	36	+/-59.6	+/-57.9	+/-56.8	+/-55.9	+/-54.4	+/-53.7	+/-50.8	+/-46.6				
	38	+/-58.2	+/-56.4	+/-55.3	+/-54.3	+/-52.7	+/-52	+/-49.5					
	40	+/-57.1	+/-55.1	+/-54	+/-53	+/-51.3	+/-50.5						
	42	+/-56.2	+/-54.1	+/-52.9	+/-51.8	+/-50							
	44	+/-55.5	+/-53.3	+/-52	+/-50.8								
	46	+/-54.9	+/-52.6	+/-51.1									
	48	+/-53.5	+/-50.8										
	51.05	+/-50.6											
						MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4			MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4				
						APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)			APPLIES TO E OR F ANCHORS (SEE TABLE 3)				
						15"			4"				

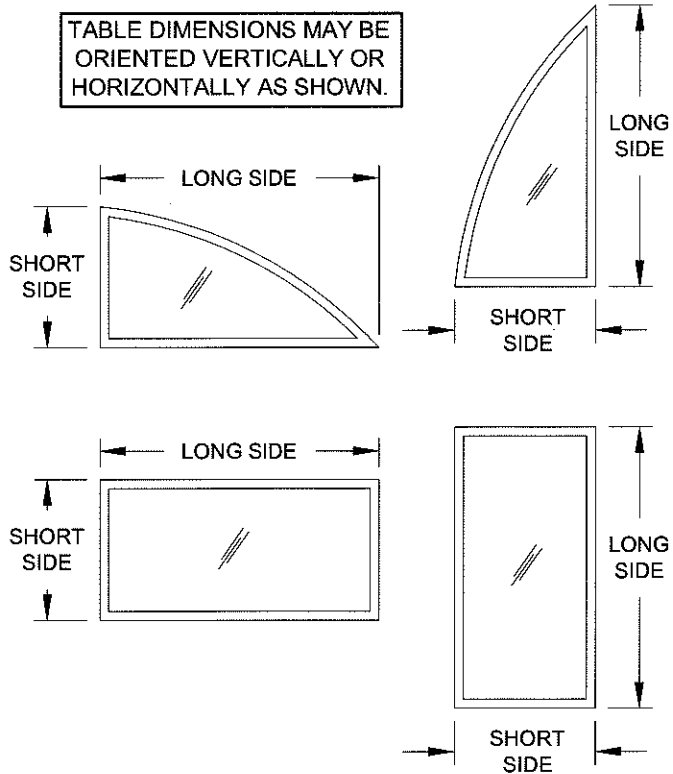


TABLE 5:

Window Design Pressure, (+/- psf)													Use this table for Glass Type:	2	
1/8" T Cap - Airspace - 1/8" T															
Window Dimensions		Long Side (in)													
		60.926	64	66	68	70	74	77	80	84	87	92	97	99	
Short Side (in)	32	+80/-98.2	+80/-96.6	+80/-95.6	+80/-94.7	+80/-93.9	+80/-92.4	+80/-91.4	+80/-90.5	+80/-89.5	+80/-88.7	+80/-87.7	+80/-86.7	+80/-86.4	
	34	+80/-94.5	+80/-92.8	+80/-91.8	+80/-90.9	+80/-90	+80/-88.5	+80/-87.5	+80/-86.6	+80/-85.5	+80/-84.7	+80/-83.6	+80/-82.6	+80/-82.3	
	36	+80/-91.4	+80/-89.6	+80/-88.5	+80/-87.6	+80/-86.7	+80/-85.1	+80/-84	+80/-83.1	+80/-81.9	+80/-81.2	+/-80	+/-79	+/-78.7	
	38	+80/-88.6	+80/-86.7	+80/-85.6	+80/-84.6	+80/-83.7	+80/-82.1	+80/-81	+/-80	+/-78.8	+/-78	+/-76.9	+/-75.8		
	40	+80/-86.3	+80/-84.3	+80/-83.1	+80/-82.1	+80/-81.1	+/-79.4	+/-78.3	+/-77.3	+/-76	+/-75.2	+/-74			
	42	+80/-84.2	+80/-82.1	+80/-80.9	+/-79.8	+/-78.8	+/-77	+/-75.9	+/-74.8	+/-73.6	+/-72.7				
	44	+80/-82.4	+80/-80.3	+/-79	+/-77.9	+/-76.8	+/-75	+/-73.7	+/-72.7	+/-71.4					
	46	+80/-80.9	+/-78.6	+/-77.3	+/-76.1	+/-75	+/-73.1	+/-71.8	+/-70.7						
	48	+/-79.7	+/-77.3	+/-75.9	+/-74.6	+/-73.5	+/-71.5	+/-70.1							
	50	+/-78.6	+/-76.1	+/-74.6	+/-73.3	+/-72.1	+/-70		MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4 MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4 APPLIES TO B, C OR D ANCHORS (SEE TABLE 2) APPLIES TO F ANCHORS (SEE TABLE 3) 15.5" 4"						
	52	+/-77.7	+/-75.1	+/-73.5	+/-72.2	+/-70.9									
	54	+/-77.1	+/-74.2	+/-72.6	+/-71.2										
	56	+/-76.6	+/-73.6	+/-71.9											
	58	+/-76.3	+/-73.1												
		60.926	+/-76.1												

- NOTES:
- 1) BUCK DIMENSIONS SHOWN.
- 2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.
- 3) FOR ARCHITECTURAL WINDOWS (SEE SHEET 2), FIND THE SMALLEST SQUARE WINDOW SIZE IN THE TABLE(S) ABOVE WHICH THE ARCHITECTURAL WINDOW WILL COMPLETELY FIT WITHIN.

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Miami/Dade Product Control

Rev 1	
Rev 2	
Rev 3	

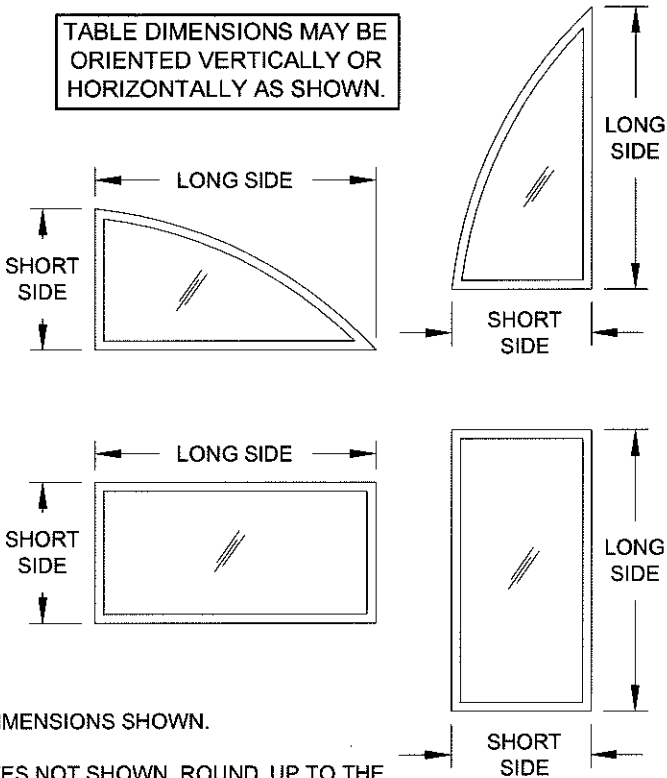
1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600	Date 9/9/14	By J ROSOWSKI	DWG MD-5440.0	Rev. A
VINYL FIXED CASEMENT WINDOW NOA (NI)	8 OF 11	DESIGN PRESSURE TABLES A	NTS	PW-5440
CERT. OF AUTH. #29296	Sheet	Title	Series	Desc.

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

TABLE 6:

Window Design Pressure, (+/- psf)												Use this table for Glass Type:	3
3/16" A Cap - Airspace - 3/16" A													
Window Dimensions	Long Side (in)												
	69.65	71	73	75	78	80	85	86	89	92	96	99	
Short Side (in)	32	+/-76.9	+/-76.4	+/-74.3	+/-72.5	+/-70.6	+/-69.3	+/-66.2	+/-65.7	+/-64.1	+/-62.6	+/-60.8	+/-59.8
	34	+/-73.7	+/-73.3	+/-71.3	+/-69.7	+/-66.8	+/-65	+/-61	+/-60.3	+/-58.1	+/-56.3	+/-54.7	+/-53.8
	36	+/-71	+/-70.5	+/-69.8	+/-67.9	+/-64.4	+/-62.5	+/-57.2	+/-56.3	+/-54.7	+/-52.9	+/-50.9	+/-49.7
	38	+/-68.6	+/-68.1	+/-67.4	+/-66.8	+/-63.5	+/-61	+/-55.6	+/-54.9	+/-52.7	+/-50.6	+/-48.2	+/-46.4
	40	+/-66.4	+/-65.9	+/-65.2	+/-64.6	+/-63.2	+/-60.7	+/-55.1	+/-54.2	+/-52	+/-49.7	+/-46.4	+/-45.2
	42	+/-64.6	+/-64	+/-63.3	+/-62.6	+/-61.7	+/-60.5	+/-55.1	+/-54.2	+/-51.7	+/-49.1	+/-46.3	+/-44.5
	44	+/-62.9	+/-62.4	+/-61.6	+/-60.9	+/-60	+/-59.4	+/-55.1	+/-54.2	+/-51.8	+/-49.1	+/-46.1	+/-44.5
	46	+/-61.5	+/-60.9	+/-60.1	+/-59.4	+/-58.4	+/-57.8	+/-55.1	+/-54.2	+/-51.8	+/-49.3	+/-46.3	+/-44.5
	48	+/-60.2	+/-59.6	+/-58.8	+/-58	+/-57	+/-56.4	+/-55	+/-54.2	+/-51.8	+/-49.5	+/-46.4	+/-44.6
	50	+/-59.1	+/-58.5	+/-57.6	+/-56.8	+/-55.8	+/-55.1	+/-53.7	+/-53.4	+/-51.8	+/-49.5	+/-46.6	
	52	+/-58.1	+/-57.5	+/-56.6	+/-55.8	+/-54.6	+/-54	+/-52.5	+/-52.2	+/-51.5	+/-49.3		
	54	+/-57.3	+/-56.6	+/-55.7	+/-54.8	+/-53.7	+/-53	+/-51.4	+/-51.1	+/-50.4			
	56	+/-56.6	+/-55.9	+/-54.9	+/-54	+/-52.8	+/-52	+/-50.4	+/-50.2				
	57	+/-56.3	+/-55.5	+/-54.5	+/-53.6	+/-52.4	+/-51.6	+/-50					
	60	+/-55.5	+/-54.7	+/-53.6	+/-52.6	+/-51.3	+/-50.5						
	62	+/-55.1	+/-54.2	+/-53.1	+/-52.1	+/-50.7							
	64	+/-54.8	+/-53.9	+/-52.7	+/-51.6								
	66	+/-54.5	+/-53.6	+/-52.4									
	68	+/-53.6	+/-53.1										
	69.65	+/-52.6											
MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4							MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4						
APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)							APPLIES TO E OR F ANCHORS (SEE TABLE 3)						
15"							3" FOR E ANCHORS, 4" FOR F ANCHORS						

TABLE DIMENSIONS MAY BE
ORIENTED VERTICALLY OR
HORIZONTALLY AS SHOWN.



- NOTES:
1) BUCK DIMENSIONS SHOWN.
2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.
3) FOR ARCHITECTURAL WINDOWS (SEE SHEET 2), FIND THE SMALLEST SQUARE WINDOW SIZE IN THE TABLE(S) ABOVE WHICH THE ARCHITECTURAL WINDOW WILL COMPLETELY FIT WITHIN.

TABLE 7:

Window Design Pressure, (+/- psf)																			Use this table for Glass Type:	4
3/16" T Cap - Airspace - 3/16" T																				
Window Dimensions	Long Side (in)																			
	81.52	83	85	87	89	92	94	97	99	103	107	110	113	118	122	126	132	138	144	
Short Side (in)	46	+80/-94	+80/-93.3	+80/-92.5	+80/-91.7	+80/-91	+80/-89.9	+80/-89.3	+80/-88.4	+80/-87.9	+80/-86.8	+80/-85.9	+80/-85.3	+80/-84.7	+80/-83.8	+80/-83.1	+80/-82.5	+80/-81.7	+80/-80.9	+80/-80.3
	48	+80/-91.6	+80/-90.9	+80/-90.1	+80/-89.3	+80/-88.5	+80/-87.5	+80/-86.8	+80/-85.9	+80/-85.3	+80/-84.3	+80/-83.3	+80/-82.7	+80/-82.1	+80/-81.2	+80/-80.5	+/-79.9	+/-79	+/-78.3	
	50	+80/-89.5	+80/-88.8	+80/-87.9	+80/-87.1	+80/-86.3	+80/-85.2	+80/-84.5	+80/-83.6	+80/-83	+80/-82	+80/-81	+80/-80.3	+/-79.7	+/-78.7	+/-78.1	+/-77.4	+/-76.6		
	52	+80/-87.6	+80/-86.9	+80/-86	+80/-85.1	+80/-84.3	+80/-83.2	+80/-82.5	+80/-81.5	+80/-80.9	+/-79.8	+/-78.8	+/-78.1	+/-77.5	+/-76.5	+/-75.8	+/-75.2			
	54	+80/-85.9	+80/-85.2	+80/-84.2	+80/-83.3	+80/-82.5	+80/-81.3	+80/-80.6	+/-79.6	+/-79	+/-77.9	+/-76.9	+/-76.2	+/-75.5	+/-74.5	+/-73.8				
	56	+80/-84.4	+80/-83.6	+80/-82.6	+80/-81.7	+80/-80.8	+/-79.7	+/-78.9	+/-77.9	+/-77.3	+/-76.1	+/-75	+/-74.3	+/-73.7	+/-72.6					
	58	+80/-83	+80/-82.2	+80/-81.2	+80/-80.2	+/-79.4	+/-78.1	+/-77.4	+/-76.3	+/-75.7	+/-74.5	+/-73.4	+/-72.7	+/-72						
	60	+80/-81.8	+80/-81	+/-79.9	+/-78.9	+/-78	+/-76.7	+/-76	+/-74.9	+/-74.2	+/-73	+/-71.9	+/-71.1							
	62	+80/-80.8	+/-79.9	+/-78.8	+/-77.8	+/-76.8	+/-75.5	+/-74.7	+/-73.6	+/-72.9	+/-71.6	+/-70.5								
	64	+/-79.8	+/-78.9	+/-77.8	+/-76.7	+/-75.7	+/-74.3	+/-73.5	+/-72.4	+/-71.6	+/-70.3									
	67	+/-78.6	+/-77.7	+/-76.4	+/-75.3	+/-74.3	+/-72.8	+/-72	+/-70.7	+/-70										
	68	+/-78.3	+/-77.3	+/-76.1	+/-74.9	+/-73.8	+/-72.4	+/-71.5	+/-70.3											
	70	+/-77.7	+/-76.7	+/-75.4	+/-74.2	+/-73.1	+/-71.5	+/-70.6												
	72	+/-77.2	+/-76.1	+/-74.8	+/-73.5	+/-72.4	+/-70.8													
	74	+/-76.8	+/-75.7	+/-74.3	+/-73	+/-71.8														
	76	+/-76.5	+/-75.3	+/-73.8	+/-72.5															
	78	+/-76.3	+/-75	+/-73.5																
	80	+/-76.2	+/-74.9																	
	81.52	+/-76.1																		
MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4										MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4										
APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)										APPLIES TO F ANCHORS (SEE TABLE 3)										
15.5"										3.3"										

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0714-20
Expiration Date Sept. 24, 2020
By *Manuel Perez*
Miami Dade Product Control

Rev A	
Rev 2	
Rev 3	

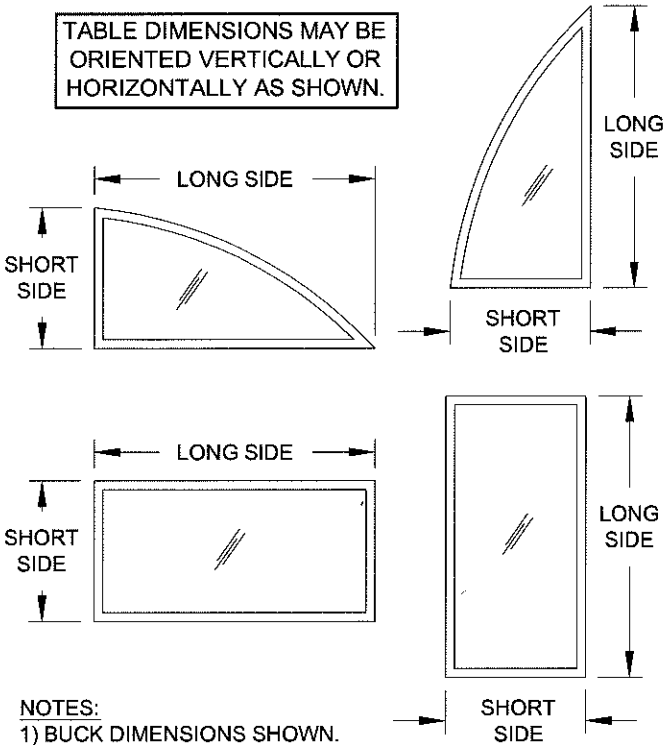
1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600	Date 9/9/14	By J ROSOWSKI	MD-5440.0	A
	VINYL FIXED CASEMENT WINDOW NOA (NI)	DESIGN PRESSURE TABLES B	9 OF 11	NTS
PW-5440	Scale	Title	Series	Desc.

A. Lynn Miller
6/14/16
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 8:

Window Design Pressure, (+/- psf)													Use this table for Glass Type:	5
1/4" A Cap - Airspace - 1/4" A														
Window Dimensions		Long Side (in)												
		81.52	83	85	87	89	92	94	97	99	103	107	110	111
Short Side (in)	46	+/-67.1	+/-66.7	+/-66.1	+/-65.3	+/-63.2	+/-60.1	+/-58	+/-55.1	+/-53.6	+/-51.3	+/-48.8	+/-46.8	+/-46.4
	48	+/-65.4	+/-65	+/-64.3	+/-63.8	+/-62.8	+/-59.8	+/-57.6	+/-54.9	+/-53.5	+/-50.6	+/-47.9	+/-46.3	+/-45.7
	50	+/-63.9	+/-63.4	+/-62.8	+/-62.2	+/-61.6	+/-59.4	+/-57.2	+/-54.9	+/-53.5	+/-50.6	+/-47.3	+/-45.9	+/-45.4
	52	+/-62.6	+/-62.1	+/-61.4	+/-60.8	+/-60.2	+/-59.2	+/-57.1	+/-54.7	+/-53.5	+/-50.6	+/-47.5	+/-45.7	+/-45.4
	54	+/-61.4	+/-60.8	+/-60.2	+/-59.5	+/-58.9	+/-58.1	+/-56.9	+/-54.7	+/-53.3	+/-50.6	+/-47.5	+/-45.9	+/-45.4
	56	+/-60.3	+/-59.7	+/-59	+/-58.4	+/-57.7	+/-56.9	+/-56.4	+/-54.5	+/-53.3	+/-50.4	+/-47.5	+/-45.9	+/-45.5
	58	+/-59.3	+/-58.7	+/-58	+/-57.3	+/-56.7	+/-55.8	+/-55.3	+/-54.4	+/-53.1	+/-50.4	+/-47.7	+/-45.9	+/-45.5
	60	+/-58.5	+/-57.8	+/-57.1	+/-56.4	+/-55.7	+/-54.8	+/-54.3	+/-53.5	+/-52.7	+/-50.4	+/-47.7	+/-45.9	
	62	+/-57.7	+/-57.1	+/-56.3	+/-55.5	+/-54.9	+/-53.9	+/-53.3	+/-52.5	+/-52	+/-49.9	+/-47.7		
	64	+/-57	+/-56.4	+/-55.5	+/-54.8	+/-54.1	+/-53.1	+/-52.5	+/-51.7	+/-51.2	+/-49.3			
	67	+/-56.2	+/-55.5	+/-54.6	+/-53.8	+/-53	+/-52	+/-51.4	+/-50.5	+/-50				
	68	+/-55.9	+/-55.2	+/-54.3	+/-53.5	+/-52.7	+/-51.7	+/-51.1	+/-50.2					
	70	+/-55.5	+/-54.8	+/-53.8	+/-53	+/-52.2	+/-51.1	+/-50.4						
	72	+/-55.1	+/-54.4	+/-53.4	+/-52.5	+/-51.7	+/-50.6		MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4			MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4		
	74	+/-54.8	+/-54	+/-53	+/-52.1	+/-51.3								
	76	+/-54.6	+/-53.8	+/-52.7	+/-51.8				APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)			APPLIES TO E OR F ANCHORS (SEE TABLE 3)		
	78	+/-53.6	+/-52.9	+/-51.8										
	80	+/-52.6	+/-51.8						15"			2.6" FOR E ANCHORS, 4" FOR F ANCHORS		
	81.52	+/-51.5												

TABLE DIMENSIONS MAY BE
ORIENTED VERTICALLY OR
HORIZONTALLY AS SHOWN.



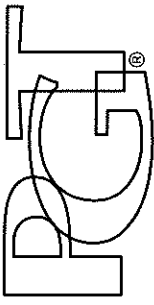
- NOTES:
1) BUCK DIMENSIONS SHOWN.
2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.
3) FOR ARCHITECTURAL WINDOWS (SEE SHEET 2), FIND THE SMALLEST SQUARE WINDOW SIZE IN THE TABLE(S) ABOVE WHICH THE ARCHITECTURAL WINDOW WILL COMPLETELY FIT WITHIN.

TABLE 9:

Window Design Pressure, (+/- psf)																		Use this table for Glass Type:		6	
1/4" T Cap - Airspace - 1/4" T																					
Window Dimensions		Long Side (in)																			
		84.85	86	90	92	94	97	100	102	105	109	112	116	120	124	128	133	138	144		
Short Side (in)	46	+80/-96.2	+80/-95.7	+80/-94.2	+80/-93.5	+80/-92.8	+80/-91.9	+80/-91.1	+80/-90.5	+80/-89.8	+80/-88.9	+80/-88.2	+80/-87.5	+80/-86.7	+80/-86.1	+80/-85.5	+80/-84.8	+80/-84.1	+80/-83.5		
	48	+80/-93.7	+80/-93.2	+80/-91.6	+80/-90.9	+80/-90.2	+80/-89.3	+80/-88.4	+80/-87.9	+80/-87.1	+80/-86.2	+80/-85.5	+80/-84.7	+80/-84	+80/-83.3	+80/-82.7	+80/-82	+80/-81.3	+80/-80.6		
	50	+80/-91.5	+80/-91	+80/-89.3	+80/-88.6	+80/-87.9	+80/-86.9	+80/-86	+80/-85.5	+80/-84.7	+80/-83.7	+80/-83	+80/-82.2	+80/-81.5	+80/-80.8	+80/-80.2	+/-79.4	+/-78.8	+/-78.1		
	52	+80/-89.4	+80/-88.9	+80/-87.2	+80/-86.5	+80/-85.7	+80/-84.7	+80/-83.8	+80/-83.3	+80/-82.4	+80/-81.5	+80/-80.8	+/-80	+/-79.2	+/-78.5	+/-77.8	+/-77.1	+/-76.4			
	54	+80/-87.6	+80/-87.1	+80/-85.3	+80/-84.5	+80/-83.8	+80/-82.8	+80/-81.8	+80/-81.2	+80/-80.4	+/-79.4	+/-78.7	+/-77.9	+/-77.1	+/-76.4	+/-75.7	+/-74.9				
	56	+80/-86	+80/-85.4	+80/-83.6	+80/-82.8	+80/-82	+80/-81	+/-80	+/-79.4	+/-78.5	+/-77.5	+/-76.8	+/-75.9	+/-75.1	+/-74.4	+/-73.7					
	58	+80/-84.5	+80/-83.9	+80/-82.1	+80/-81.2	+80/-80.4	+/-79.3	+/-78.3	+/-77.7	+/-76.8	+/-75.8	+/-75	+/-74.2	+/-73.3	+/-72.6						
	60	+80/-83.2	+80/-82.6	+80/-80.6	+/-79.8	+/-79	+/-77.8	+/-76.8	+/-76.2	+/-75.3	+/-74.2	+/-73.4	+/-72.5	+/-71.7							
	62	+80/-82	+80/-81.3	+/-79.4	+/-78.5	+/-77.6	+/-76.5	+/-75.4	+/-74.7	+/-73.8	+/-72.7	+/-71.9	+/-71								
	64	+80/-80.9	+80/-80.3	+/-78.2	+/-77.3	+/-76.4	+/-75.2	+/-74.1	+/-73.4	+/-72.5	+/-71.3	+/-70.6									
	66	+/-80	+/-79.3	+/-77.2	+/-76.2	+/-75.3	+/-74.1	+/-72.9	+/-72.2	+/-71.3	+/-70.1										
	68	+/-79.2	+/-78.5	+/-76.2	+/-75.2	+/-74.3	+/-73	+/-71.9	+/-71.2	+/-70.2											
	70	+/-78.4	+/-77.7	+/-75.4	+/-74.4	+/-73.4	+/-72.1	+/-70.9	+/-70.2												
	72	+/-77.8	+/-77.1	+/-74.7	+/-73.6	+/-72.6	+/-71.2	+/-70													
	74	+/-77.3	+/-76.5	+/-74	+/-72.9	+/-71.9	+/-70.5														
	76	+/-76.9	+/-76	+/-73.5	+/-72.3	+/-71.2															
	78	+/-76.5	+/-75.7	+/-73	+/-71.8																
	80	+/-76.3	+/-75.4	+/-72.6																	
	83	+/-76.1	+/-75.1																		
	84.85	+/-76																			
												MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4				MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4					
												APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)				APPLIES TO F ANCHORS (SEE TABLE 3)					
												15.5"				3.2"					

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0714-20
Expiration Date Sept. 24, 2020
By Manuel Perez
Miami Dade Product Control

Rev A	
Rev 2	
Rev 3	

 CERT. OF AUTH. #29296				1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600			
Title		Date		9/9/14			
VINYL FIXED CASEMENT WINDOW NOA (NI)							
Series		Desc.		DESIGN PRESSURE TABLES C		J ROSOWSKI	
PW-5440		Scale		NTS		Sheet	
10 OF 11		DWG No.		MD-5440.0		Rev. A	
		Drawn By					

CERT. OF AUTH. #29296
A. LYNN MILLER, P.E.
P.E.# 58705

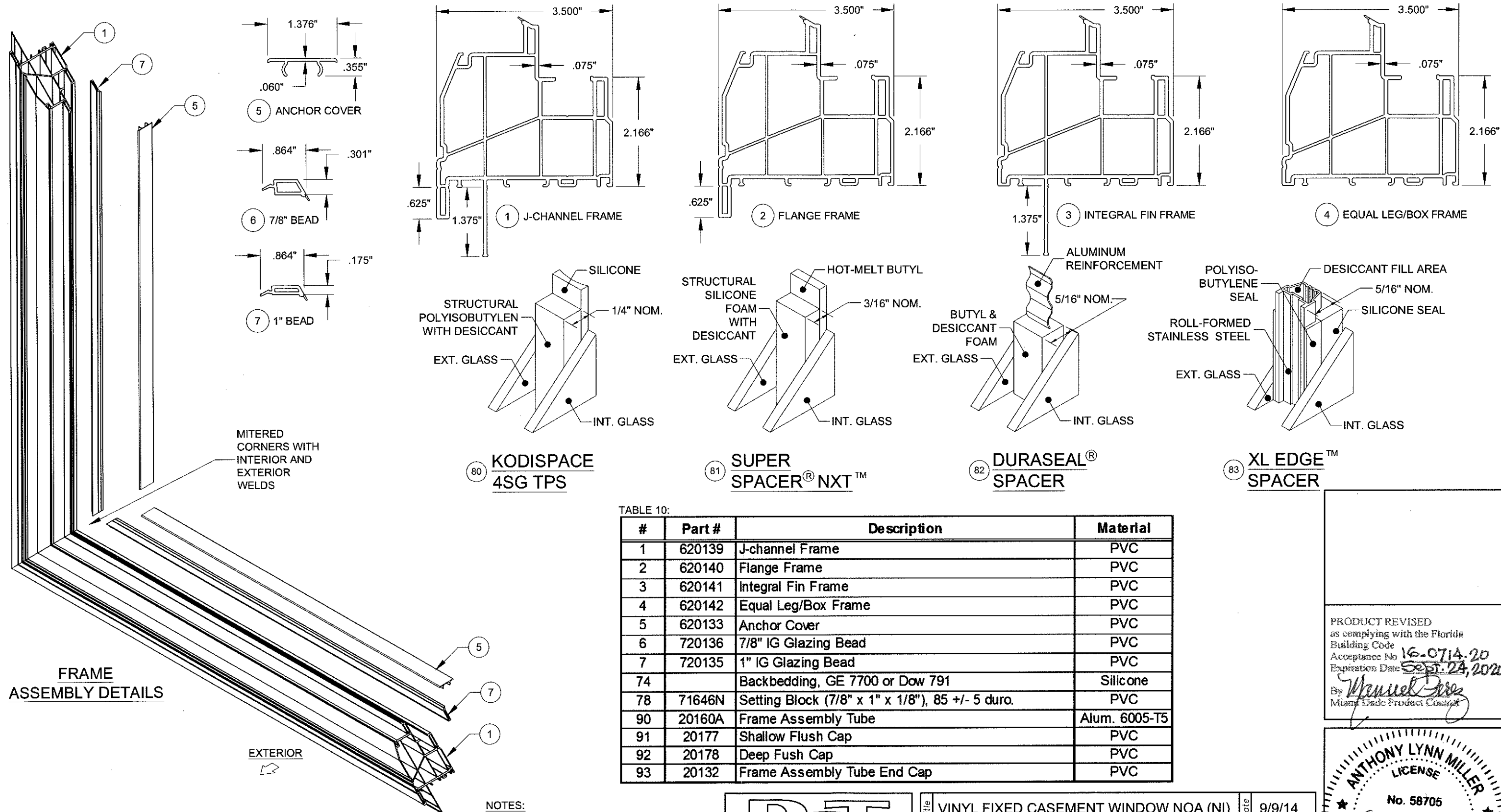


TABLE 10:

#	Part #	Description	Material
1	620139	J-channel Frame	PVC
2	620140	Flange Frame	PVC
3	620141	Integral Fin Frame	PVC
4	620142	Equal Leg/Box Frame	PVC
5	620133	Anchor Cover	PVC
6	720136	7/8" IG Glazing Bead	PVC
7	720135	1" IG Glazing Bead	PVC
74		Backbedding, GE 7700 or Dow 791	Silicone
78	71646N	Setting Block (7/8" x 1" x 1/8"), 85 +/- 5 duro.	PVC
90	20160A	Frame Assembly Tube	Alum. 6005-T5
91	20177	Shallow Flush Cap	PVC
92	20178	Deep Flush Cap	PVC
93	20132	Frame Assembly Tube End Cap	PVC

Part #	Description	Material
80	Kommerling 4SG TPS Spacer System	See this Sheet for Materials
81	Quanex Super Spacer nXT with Hot Melt Butyl	
82	Quanex Duraseal Spacer	
83	Cardinal XL Edge Spacer	

REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970

NOTES:

- 1) SOME PARTS/OPTIONS NOT SHOWN ON DRAWING FOR CLARITY.
- 2) J-CHANNEL FRAME SHOWN, PART #1. OTHER FRAME TYPES, PARTS #2 - 4, APPLY.
- 3) ITEMS # 8-73, 75-77, 79 & 84-89 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.
- 4) ROYAL PVC TO BE LABELED FOR AAMA EXTRUDER CODE.



CERT. OF AUTH. #29296

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

Series	Rev 2	Rev A	Desc.	Title	Date
				VINYL FIXED CASEMENT WINDOW NOA (NI)	9/9/14
			BOM & ASSEMBLY	Drawn By	J ROSOWSKI
			JR - 05/05/16 - ADDED SPACERS		
PW-5440	Scale	NTS	Sheet	11 OF 11	DWG No. MD-5440.0
					Rev. No. A

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as complying with the Florida
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Miami Dade Product Council

