



MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

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

NOTICE OF ACCEPTANCE (NOA)

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 **D** dated 07/31/23, 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.

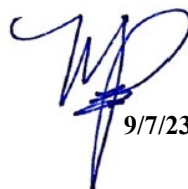
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 No. 20-0401.08** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

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




9/7/23

NOA No. 23-0816.05

Expiration Date: September 24, 2025

Approval Date: September 14, 2023

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under 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 **C** dated 03/19/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0401.08)

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 ASTM F588 and TAS 202-94
along with marked-up drawings and installation diagram of all PGT Industries, Inc. representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.: **FTL-7897**, PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14
FTL-20-2107.1, PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal)
FTL-20-2107.2, PGT CA740 Alum. Outswing Casement Window (unit 8 in proposal)
FTL-20-2107.3, PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and
FTL-20-2107.4, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal)
dated 07/13/20, all signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 20-0401.08)
2. 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.
(Submitted under NOA No. 16-0714.20)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.05
Expiration Date: September 24, 2025
Approval Date: September 14, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

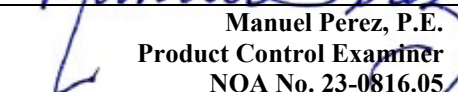
1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

B. TESTS (CONTINUED)

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) 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, and TAS 202-94
along with marked-up drawings and installation diagram of a PVC fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7897**, dated 08/01/14, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 15-0415.01)
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 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 NOA No. 15-0415.01)
5. 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 NOA No. 15-0415.01)
6. Additional, Reference test report **FTL-8183** per TAS 201, 202 & 203-94, issued by Fenestration Testing Laboratory, Inc.
(Submitted under NOA No. 15-0415.01)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)** and **FBC 7th (2020)** dated 03/19/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0401.08)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.05
Expiration Date: September 24, 2025
Approval Date: September 14, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

C. CALCULATIONS (CONTINUED)

2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

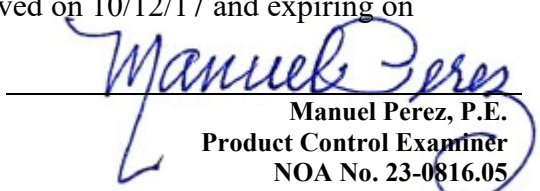
1. Notice of Acceptance No. **18-0122.02**, issued to **ENERGI Fenestration Solutions USA, Inc.**, for their **White Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 03/08/18, expiring on 02/28/23.
2. Notice of Acceptance No. **20-0203.03** issued to **ENERGI Fenestration Solutions USA, Inc.** for their **"Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors"** dated 02/27/20, expiring on 04/16/25.
3. Notice of Acceptance No. **20-0203.04** issued to **ENERGI Fenestration Solutions USA, Inc.** for their **"Performance Core Rigid PVC Exterior Extrusions for Windows and Doors"** dated 02/27/20, expiring on 04/16/25.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)** and the **FBC 7th Edition (2020)**, dated March 16, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0401.08)
2. Statement letter of no financial interest, dated March 16, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0401.08)
3. Proposal No. **19-1155TP** issued by the Product Control Section, dated January 10, 2020, signed by Ishaq Chanda, P.E.
(Submitted under NOA No. 20-0401.08)
4. Proposal No. **16-0125** issued by the Product Control Section, dated March 09, 2016, signed by Ishaq Chanda, P.E.
(Submitted under NOA No. 17-0614.07)
5. Proposal issued by Product Control Section, dated June 26, 2014, signed by Jaime Gascon, P.E. Supervisor, Product Control Section.
(Submitted under NOA No. 15-0415.02)

G. OTHERS

1. Notice of Acceptance No. **17-0614.07**, issued to **PGT Industries, Inc.** for their Series "PW-5440" PVC Fixed Window – N.I., approved on 10/12/17 and expiring on 09/24/20.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.05
Expiration Date: September 24, 2025
Approval Date: September 14, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **MD-5440.0** titled “Vinyl Fixed Casement Window NOA (NI)”, sheets 1 through 11 of 11, dated 09/09/14, with revision **D** dated 07/31/23, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS


1. Notice of Acceptance No. **21-1109.04**, issued to **Vision Extrusions Group Limited**, for their **White Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 03/31/22, expiring on 09/30/24.
2. Notice of Acceptance No. **22-0104.04**, issued to **Vision Extrusions Group Limited**, for their **Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 04/14/22, expiring on 12/29/26.
3. Notice of Acceptance No. **22-0621.01**, issued to **Vision Extrusions Group Limited**, for their **Black and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 07/28/22, expiring on 07/28/27.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)** and the **FBC 8th Edition (2023)**, dated July 31, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated July 31, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

G. OTHERS

1. Notice of Acceptance No. **20-0401.08**, issued to PGT Industries, Inc. for their Series “PW-5440” PVC Fixed Window – N.I., approved on 08/06/20 and expiring on 09/24/25.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.05
Expiration Date: September 24, 2025
Approval Date: September 14, 2023

GENERAL NOTES: SERIES 5440
NON-IMPACT RESISTANT, VINYL FIXED CASEMENT WINDOW

- 1) THIS PRODUCT HAS BEEN DESIGNED & 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. 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.
C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.
- 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; DEWALT ULTRACON+ NOA; ELCO/DEWALT CRETEFLEX NOA; ELCO/DEWALT AGGRE-GATOR NOA; VISION EXTRUSION LTD., BLACK,WHITE BRONZE & LIGHTER SHADES OF CAP COATED PVC EXTRUSION NOA'S; NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, ANSI/AF&PA NDS & ALUMINUM DESIGN MANUAL.
11. FRAME FLANGES OR INTEGRAL FINNS MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME.

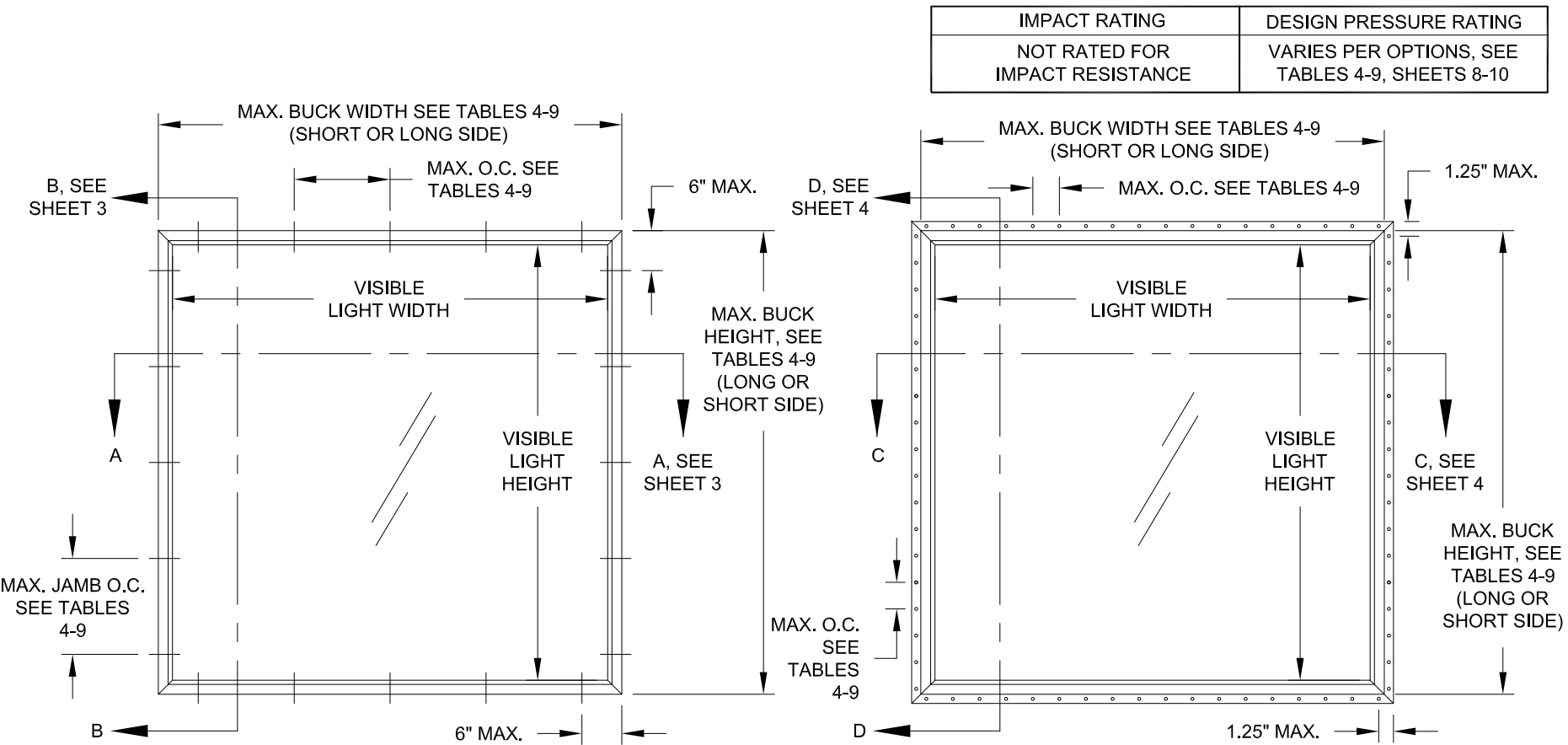
GENERAL NOTES.....	1
ELEVATIONS.....	1
FRAME, GLASS & ANCHOR OPTIONS.....	2
INSTALLATION, FLANGE & EQUAL LEG.....	3
INSTALLATION, INTEGRAL FIN & J-CHANNEL.....	4
FRAME ASSEMBLY TUBE.....	5-6
GLAZING DETAILS.....	7
DESIGN PRESSURES.....	8-10
BOM & ASSEMBLY.....	11

VISIBLE LIGHT FORMULAS

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

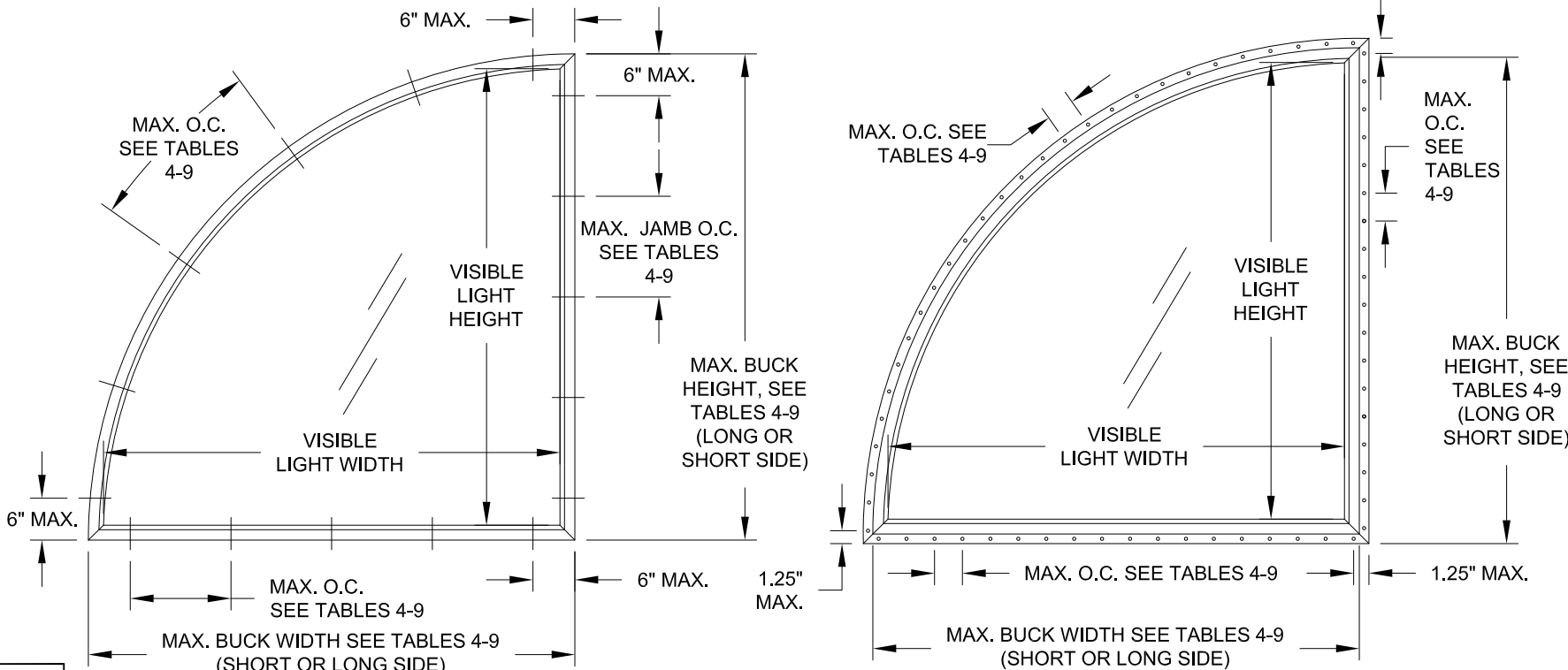
CODES / STANDARDS USED:

- 2023 FLORIDA BUILDING CODE (FBC), 8TH EDITION
- 2020 FLORIDA BUILDING CODE (FBC), 7TH EDITION
- ASTM E1300-09
- ANSI/AF&PA NDS-2018 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, ADM-2020
- AISI S100-16
- AISC 360-16



TYP. EQUAL-LEG/BOX & FLANGE FRAME (90° CORNERS)

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



TYP. EQUAL-LEG/BOX & FLANGE FRAME (CURVED OR ANGLED CORNERS)

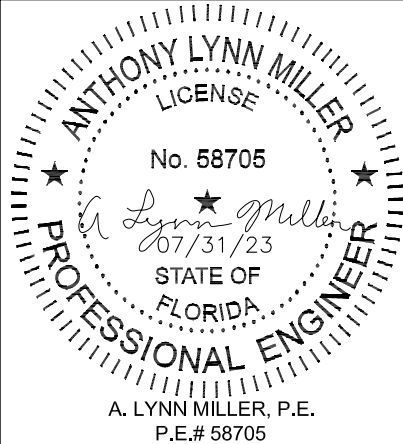
TYP. INTEGRAL FIN & J-CHANNEL FRAME (CURVED OR ANGLED CORNERS) (ANCHORED THROUGH NAIL FIN)

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

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-0816.05**
Expiration Date: **09/24/2025**
By: *Manuel Perez*
Miami-Dade Product Control

Revision: D) UPDATED TO 2023 FBC. CHANGE EXTRUDER TO VISION & ADD "BLACK", NOTE 10. REMOVE ULTRACON NOA REFERENCE, NOTE 10. ADD NOTE 11. REMOVE "INSTALLATION ANCHORS s/b SEALED" FROM NOTE 5. SB - 7/31/23

<div>PGT</div> <div>Custom Windows and Doors</div> <div>1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600</div>		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600			
		REGISTRATION #29296			
		VINYL FIXED CASEMENT WINDOW NOA (NI)		Date	9/9/14
Series	Title	ELEVATION & GENERAL NOTES		Drawn By	J. ROSOWSKI
PW-5440		Sheet	1 OF 11	DWG No.	MD-5440.0
				Rev.	D



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. 3 ksi)	1"	1-3/8"
		UngROUTED CMU, (ASTM C-90)	1"	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"
	1/4" steel Ultracon+	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
	1/4" steel Creteflex	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"
C	1/4" steel Ultracon+	Concrete (min. 3 ksi)	1-3/16"	1-3/4"
		UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
	1/4" steel Creteflex	Concrete (min. 3.35 ksi)	1"	1-3/4"
D	1/4" steel Ultracon+	Concrete (min. 3 ksi)	2-1/2"	1-3/4"
		UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
	1/4" steel Creteflex	Concrete (min. 3.35 ksi)	2-1/2"	1-3/4"
		UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
	1/4" steel Aggre-Gator	Concrete (min. 3.275 ksi)	1-1/2"	1-3/8"
		Grouted CMU, (ASTM C-90)	2"	2"

TABLE 3: ANCHORS INSTALLED THROUGH INTEGRAL FIN

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"
		P.T. Southern Pine (SG=.55)	1/2"	1-3/8"
	#10 Trusshead SMS (steel, 18-8 S.S. or 410 S.S.)	Aluminum, 6063-T5*	3/8"	0.050"
		Steel Stud, Gr. 33*	3/8"	0.0451" (18 Ga.)
		Steel, A36*	3/8"	0.050"
		P.T. Southern Pine (SG=.55)	9/16"	1-3/8"
	#12 SMS (steel, 18-8 S.S. or 410 S.S.)	Aluminum, 6063-T5*	3/8"	0.063"
		Steel Stud, Gr. 33*	3/8"	0.050"
		Steel, A36*	3/8"	0.050"

"A" = ANNEALED
"T" = TEMPERED

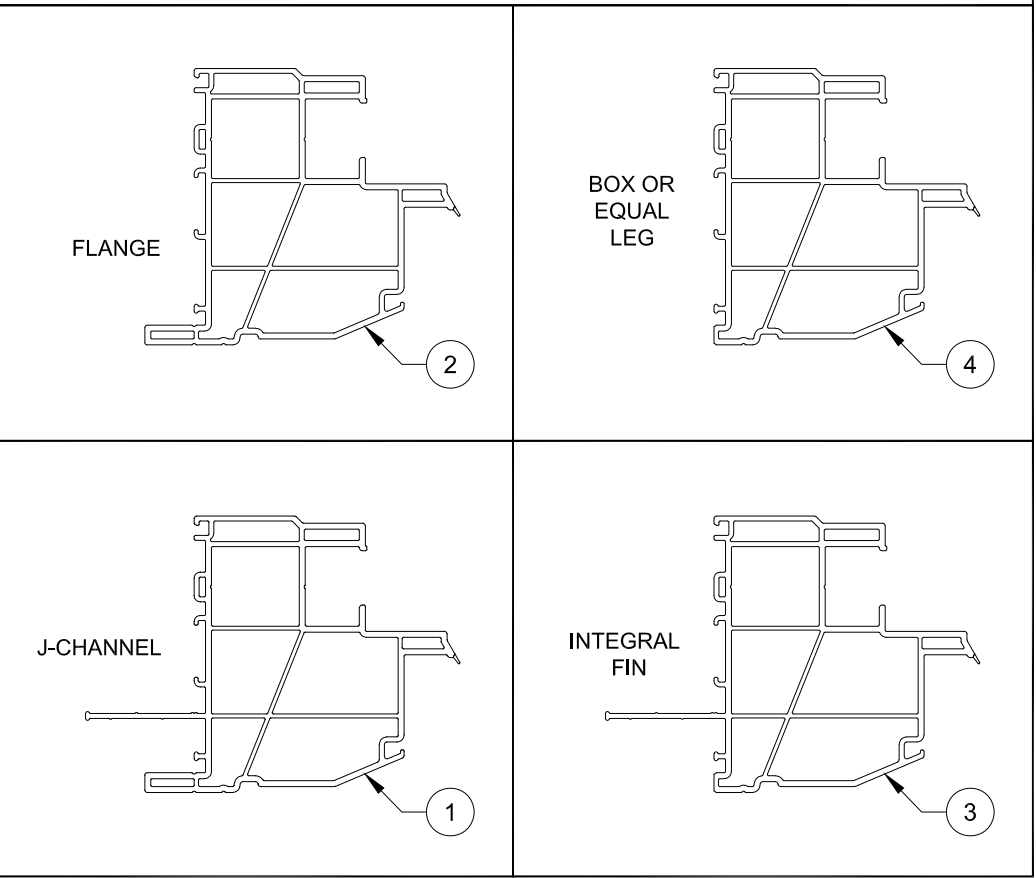
* MIN. OF 3 THREADS
BEYOND THE METAL
SUBSTRATE.

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

ALL ANCHOR HEAD
TYPES ARE
ACCEPTABLE.

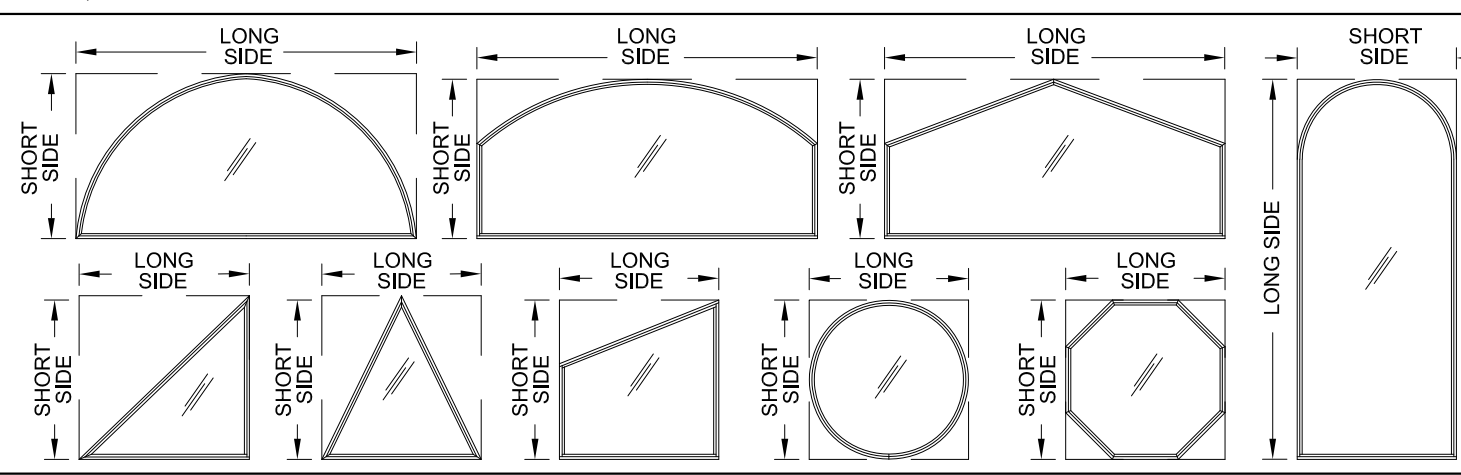
* MIN. OF 3
THREADS
BEYOND
THE
METAL
SUBSTRATE.

WINDOW FRAMES MAY BE ANY OF THOSE SHOWN BELOW:



NOTE: SEE DETAILS AND DIMENSIONS ON SHEET 11

ALL ARCHITECTURAL WINDOW SHAPES QUALIFIED. COMMON EXAMPLES SHOWN. INSCRIBE THE SHAPE IN A BLOCK (SEE EXAMPLES BELOW), AND OBTAIN DESIGN PRESSURES FOR THAT BLOCK SIZE FROM DESIGN PRESSURE TABLES 4-9, SHEETS 8-10.

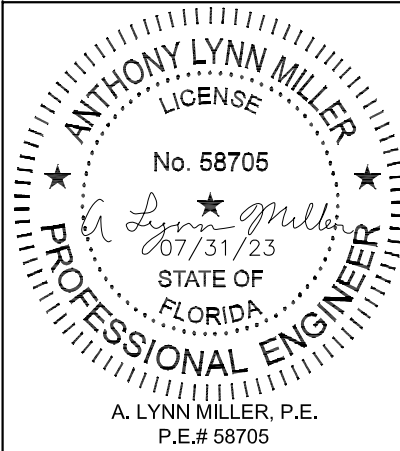


Material	Min. F _y	Min. F _u
Steel Screw	92 ksi	120 ksi
18-8 Screw	60 ksi	95 ksi
410 Screw	90 ksi	110 ksi
Elco/DeWalt Aggre-Gator®	57 ksi	96 ksi
3/16" DeWalt UltraCon+®	117 ksi	164 ksi
1/4" DeWalt UltraCon+®	148 ksi	164 ksi
410 SS Elco/Dewalt CreteFlex®	127.4 ksi	189.7 ksi
6063-T5 Aluminum	16 ksi	22 ksi
A36 Steel	36 ksi	58 ksi
Gr. 33 Steel Stud	33 ksi	45 ksi

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. 23-0816.05
Expiration Date: 09/24/2025
By: *Manuel Perez*
Miami-Dade Product Control

Revision: D) ADD NOTE, ACCEPTABLE
ANCHOR HEAD TYPES.
REMOVE ULTRACONS.
SB - 7/31/23

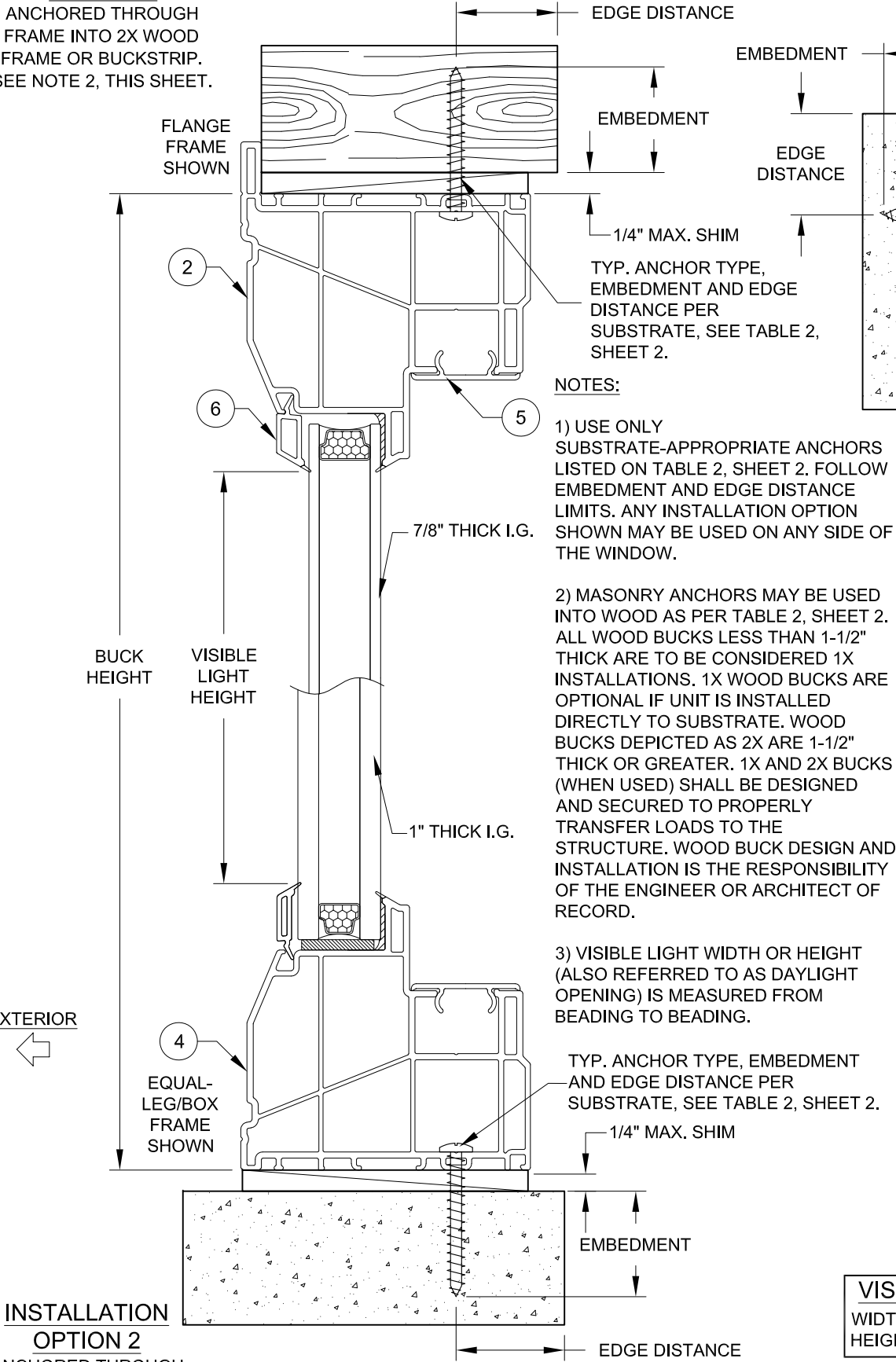
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	9/9/14	Rev.	D
		By	J. ROSOWSKI	MD-5440.0	
		VINYL FIXED CASEMENT WINDOW NOA (NI)		No.	2 OF 11
		GLASS/ANCHORS/FRAME OPTIONS		Sheet	PW-5440



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.

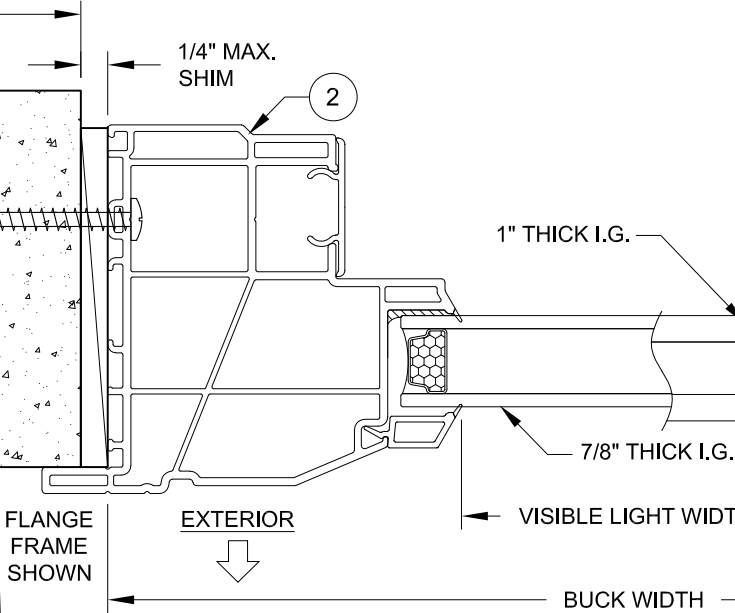


INSTALLATION
OPTION 2

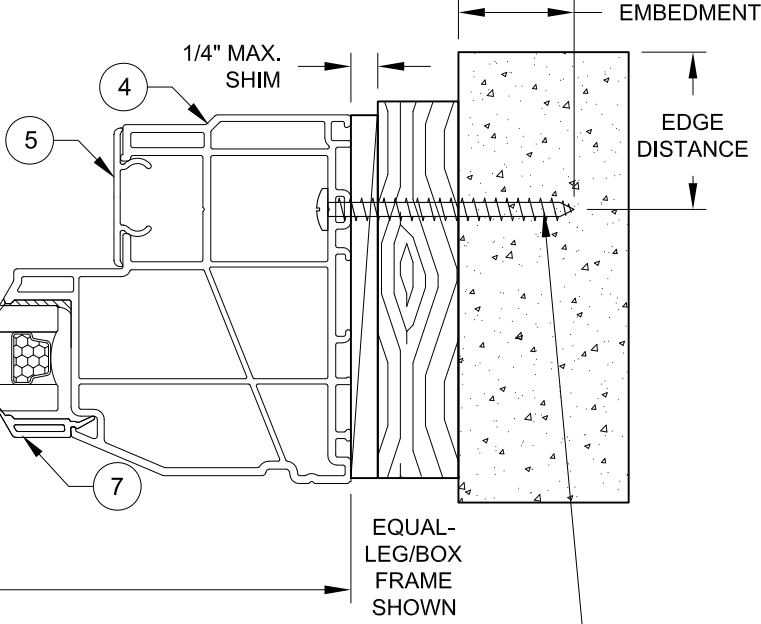
ANCHORED THROUGH
FRAME DIRECTLY INTO
CONCRETE/CMU.

VERTICAL SECTION B-B

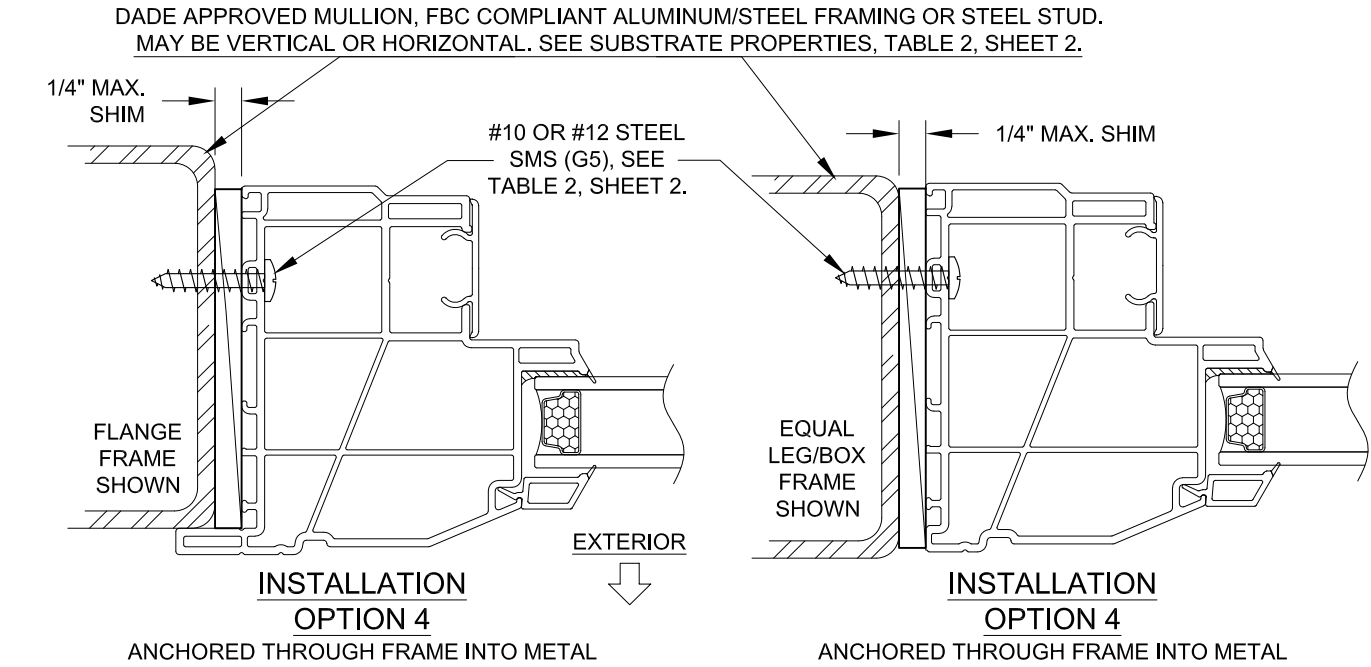
INSTALLATION OPTION 2
ANCHORED THROUGH FRAME
DIRECTLY INTO CONCRETE/CMU.



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



HORIZONTAL SECTION A-A



INSTALLATION
OPTION 4

ANCHORED THROUGH FRAME INTO METAL

INSTALLATION
OPTION 4

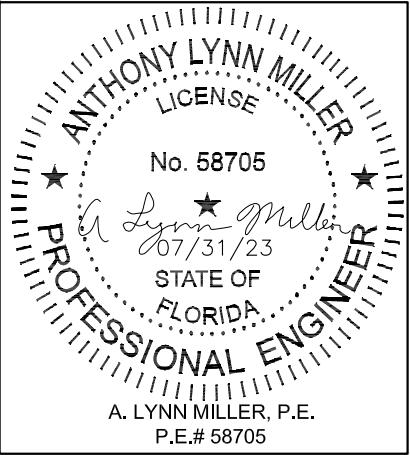
ANCHORED THROUGH FRAME INTO METAL

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

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As complying with the Florida
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Expiration Date: 09/24/2025
By: Manuel Perez
Miami-Dade Product Control

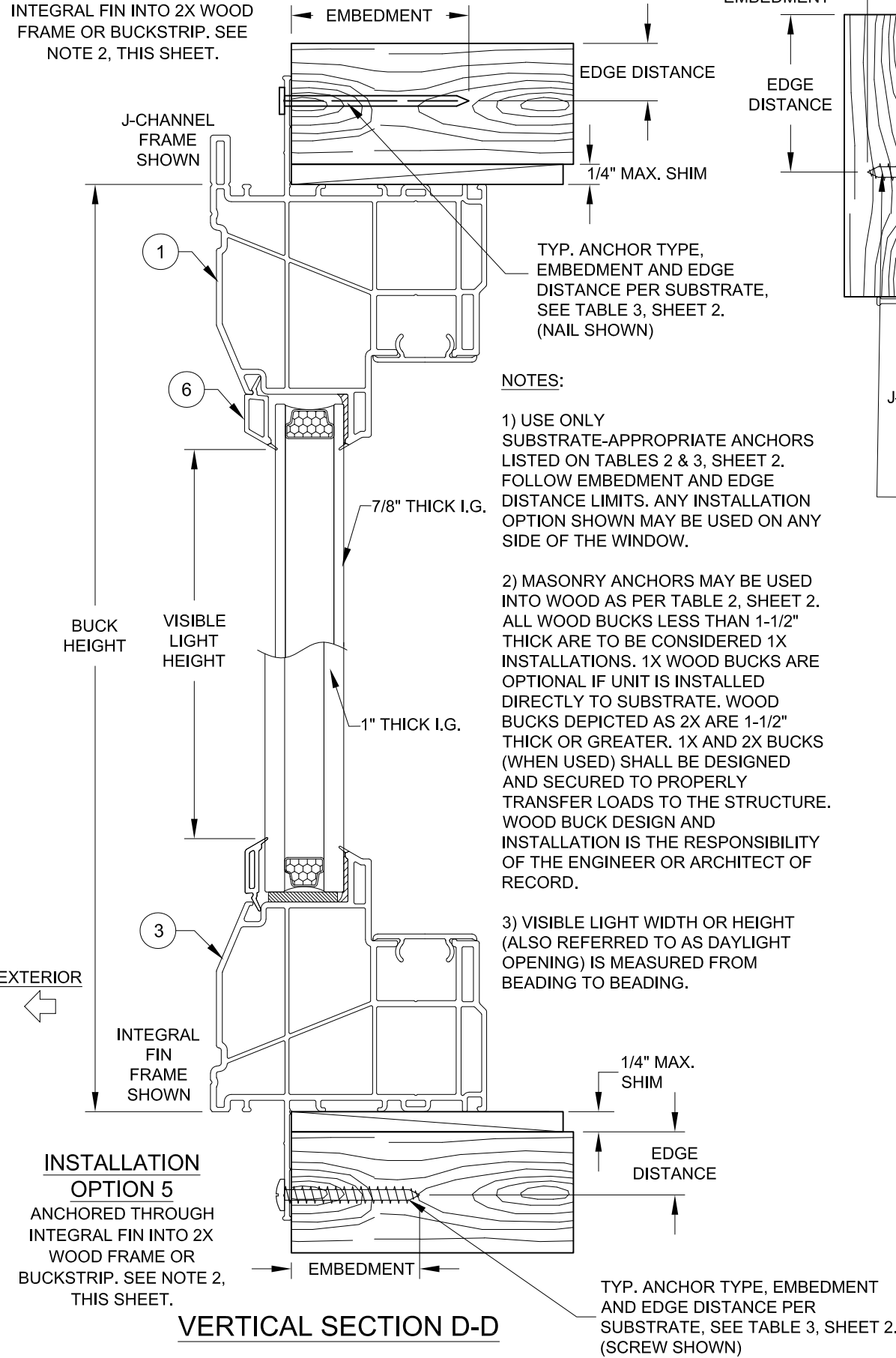
Revision:
D) NO CHANGES,
THIS SHEET
SB - 7/31/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	9/9/14	Rev.	D
		By	J. ROSOWSKI	DWG	MD-5440.0
		VINYL FIXED CASEMENT WINDOW NOA (NI)			
PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	FLANGE & EQUAL-LEG/BOX FRAMES	PW-5440			
		3 OF 11			
		Sheet			



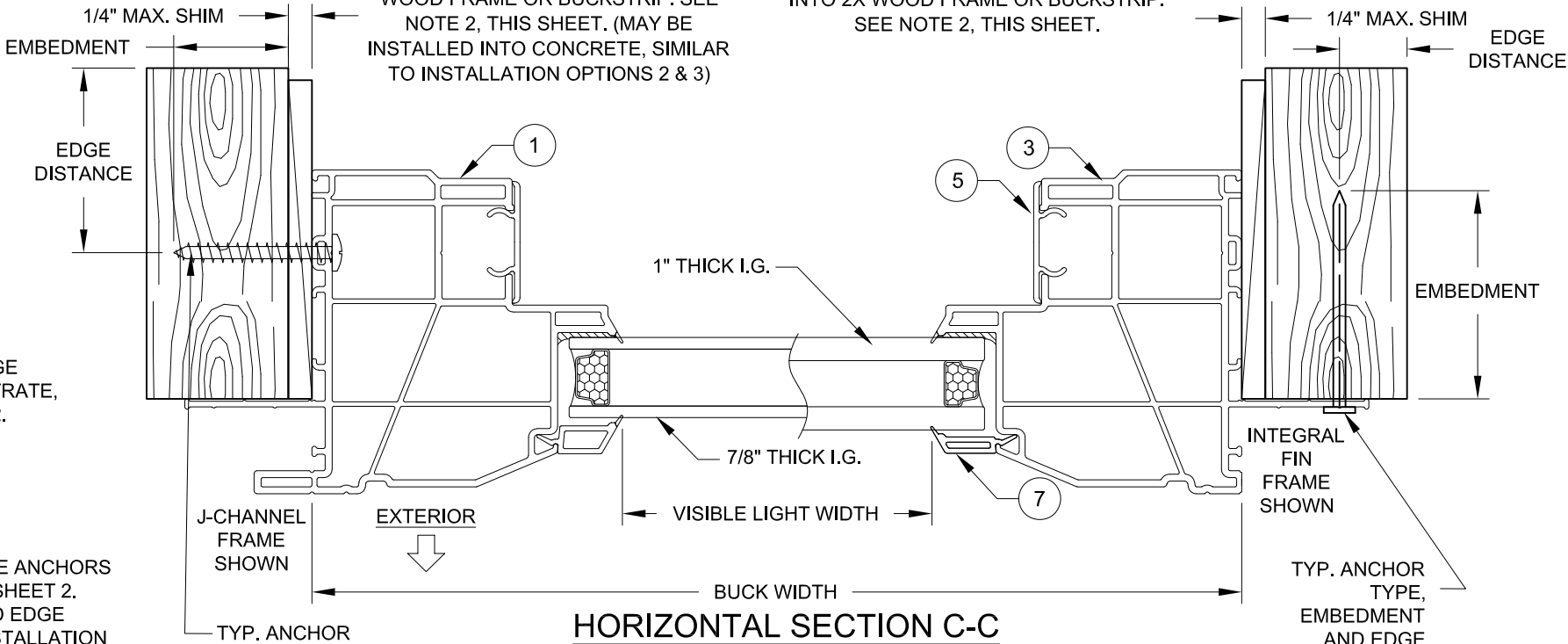
INSTALLATION DETAILS FOR INTEGRAL FIN & J-CCHANNEL FRAMES

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

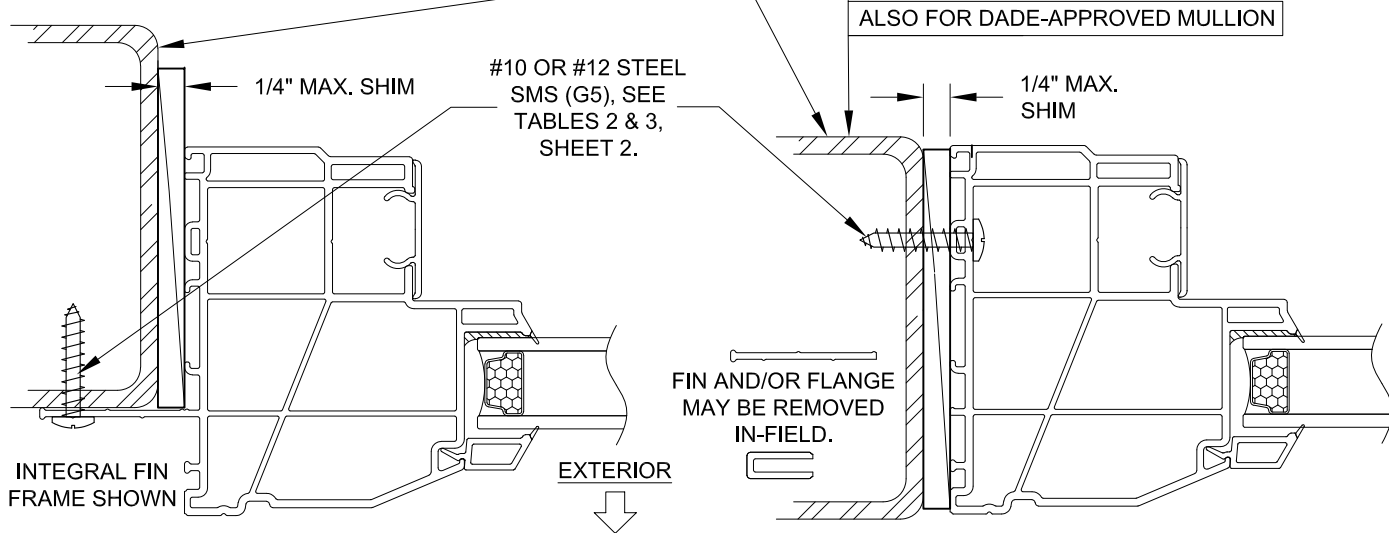


INSTALLATION OPTION 6
ANCHORED THROUGH FRAME INTO 2X
WOOD FRAME OR BUCKSTRIP. SEE
NOTE 2, THIS SHEET. (MAY BE
INSTALLED INTO CONCRETE, SIMILAR
TO INSTALLATION OPTIONS 2 & 3)

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



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 4 (FLANGE FRAME)
ALLOWED WITH MULLION INSTALLATION.
SEE PAGE 3.

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

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

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. 23-0816.05
Expiration Date: 09/24/2025
By: Manuel Perez
Miami-Dade Product Control

Revision: D) ADD NOTE: CAN USE
FLANGE FRAME W/ FIN
AT MULL (OPT 7).
SB - 7/31/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date 9/9/14	By J. ROSOWSKI	Rev. D
PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	VINYL FIXED CASEMENT WINDOW NOA (NI)	ELEVATION & GENERAL NOTES	Sheet PW-5440	4 OF 11

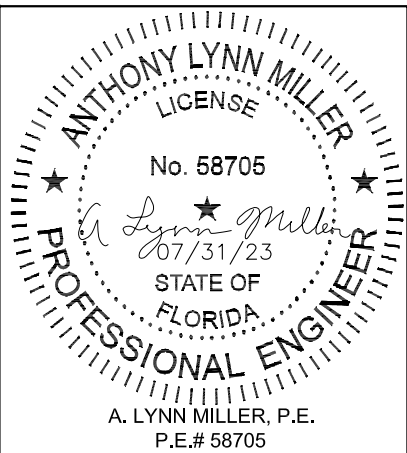


ILLUSTRATION OF FIXED CASEMENT-
TO-FIXED CASEMENT (OO)

(EQUAL LEG/BOX FRAME WITH IDENTICAL PRODUCTS COMBINED)

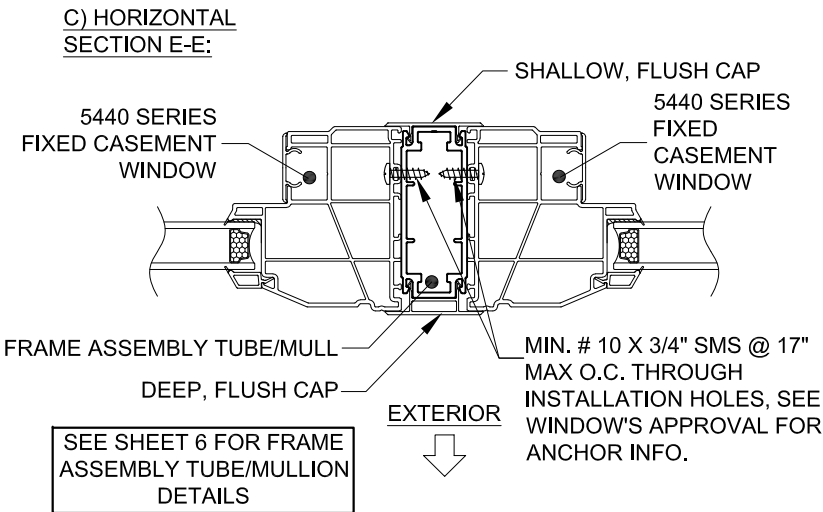
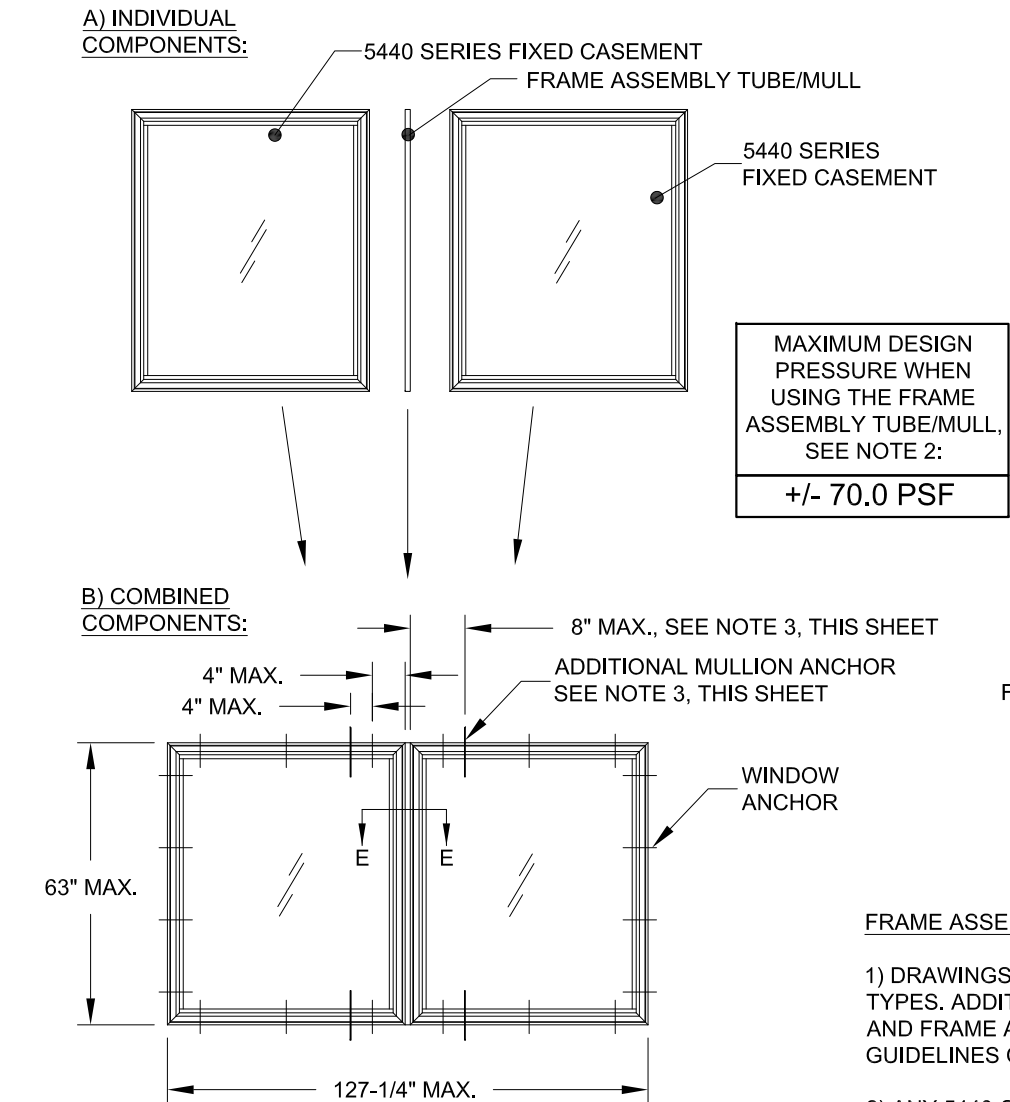
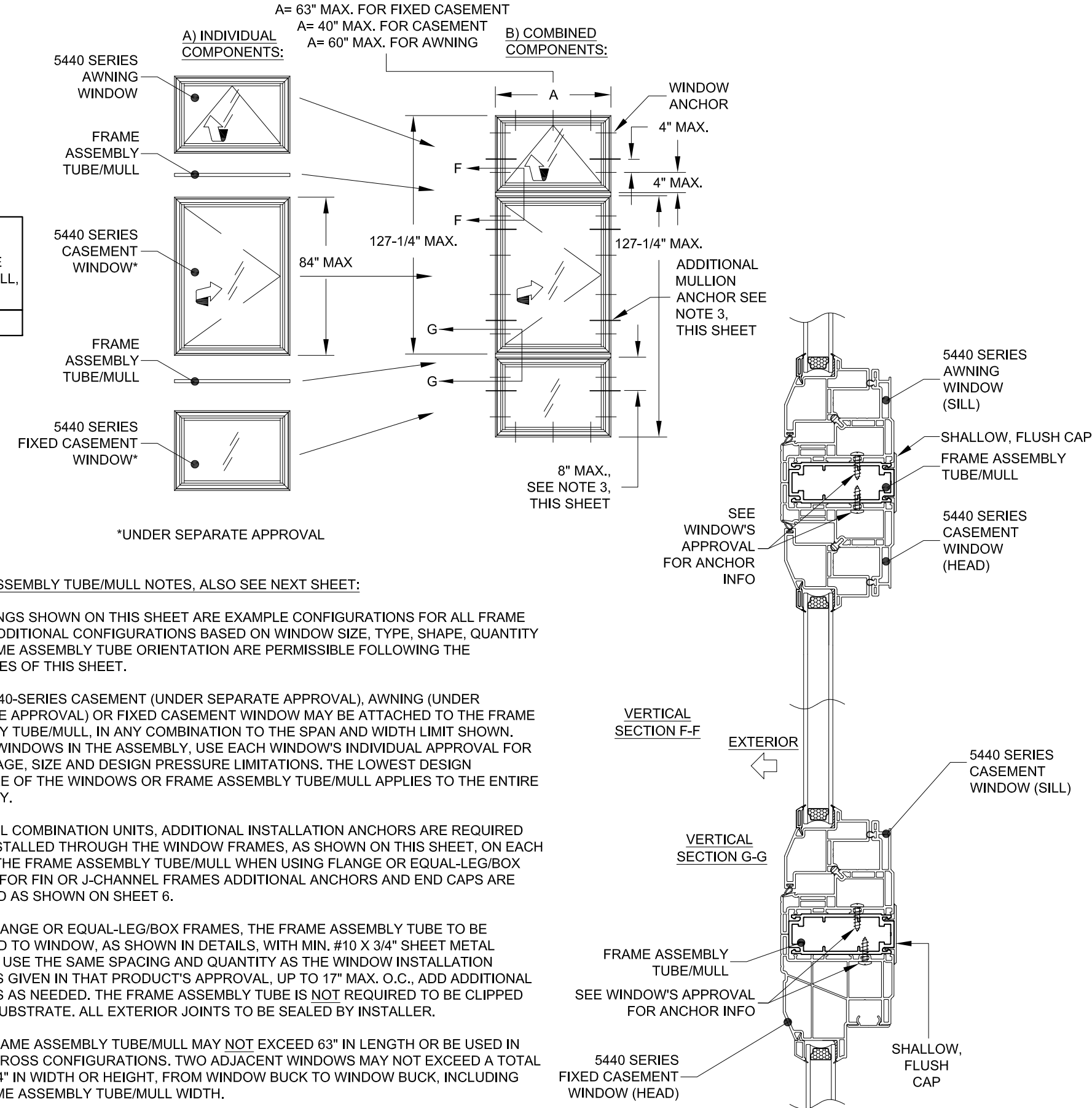


ILLUSTRATION OF AWNING-TO-CASEMENT-TO-FIXED CASEMENT (X/X/O)
(FLANGE FRAME WITH DIFFERENT 5440 SERIES PRODUCTS COMBINED)



PRODUCT REVISED
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Expiration Date: **09/24/2025**
By: *Manuel Perez*
Miami-Dade Product Control

Revision: D) NO CHANGES, THIS SHEET.
SB - 7/31/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	9/9/14	Rev.	D
		By	J. ROSOWSKI	DWG No.	MD-5440.0
		Drawn	J. ROSOWSKI	Sheet	5 OF 11
		Desc.	VINYL FIXED CASEMENT WINDOW NOA (NI) FRAME ASSEMBLY TUBE DETAILS A	Series	PW-5440

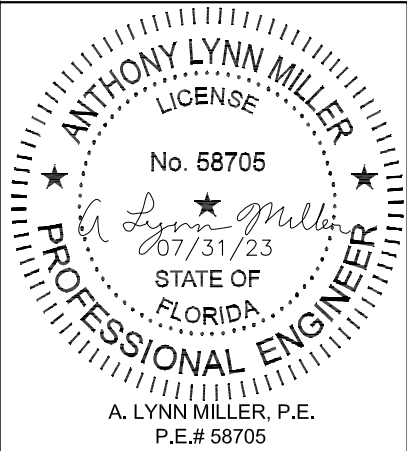
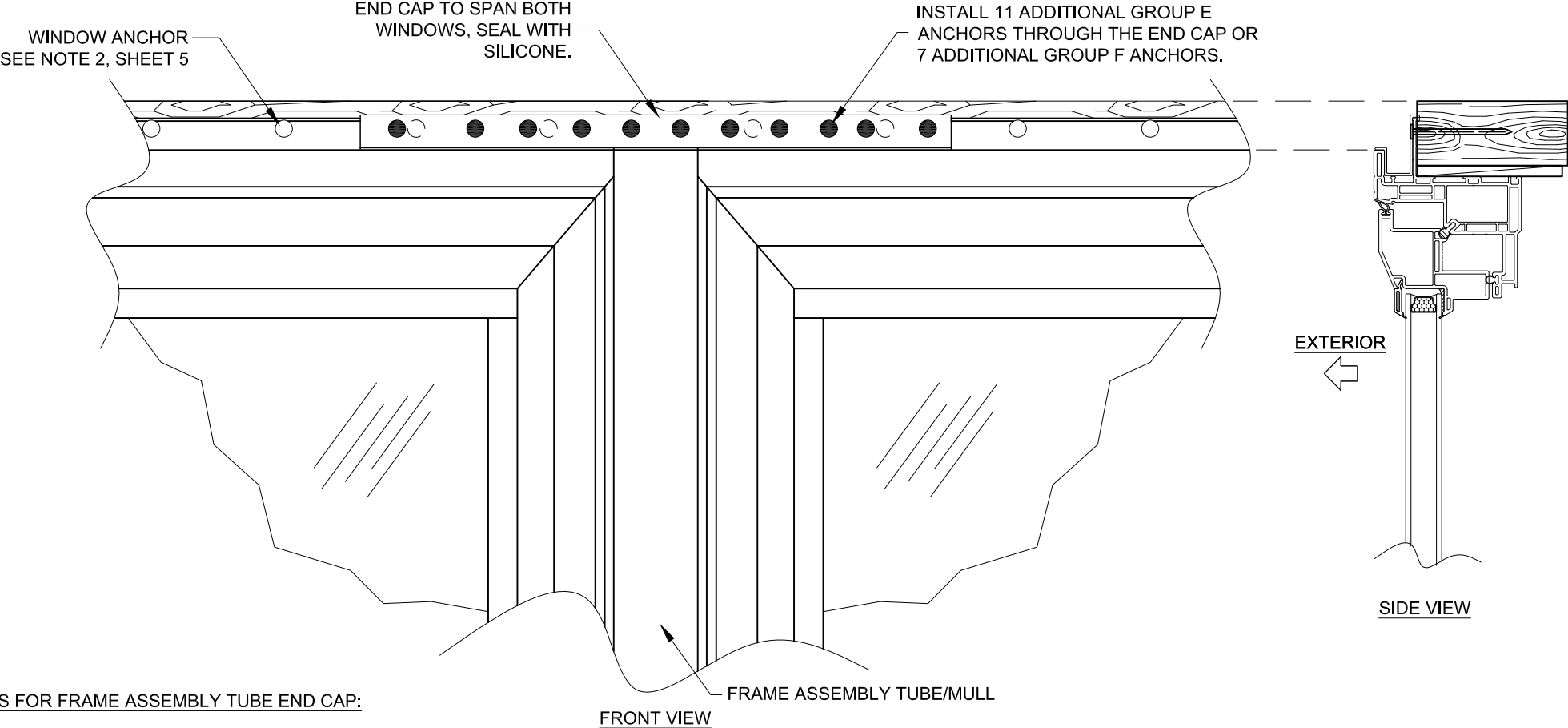
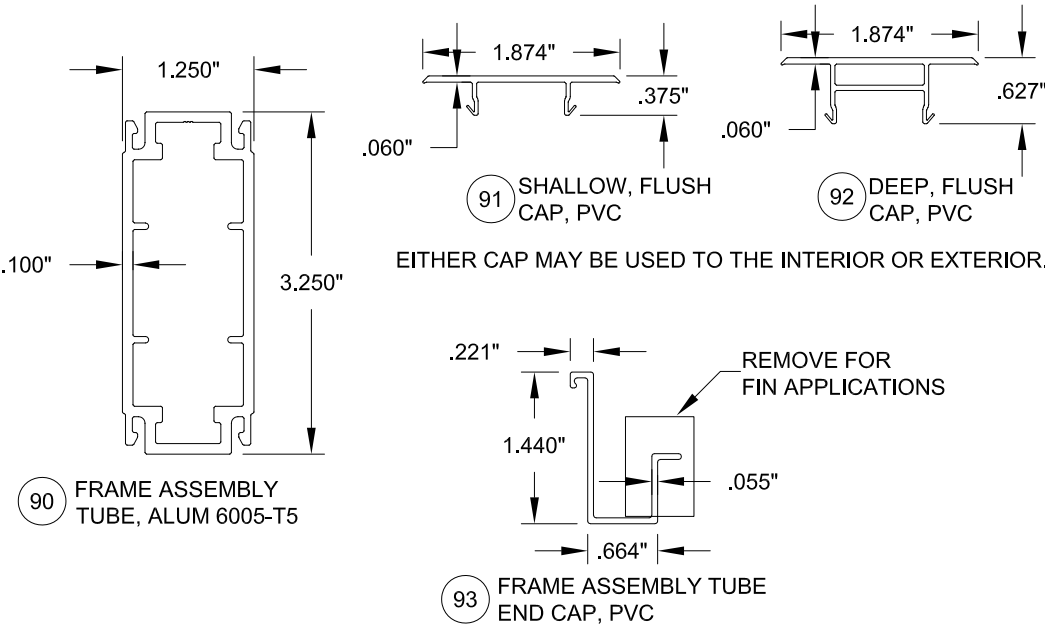


ILLUSTRATION OF END CAP USE WITH FIN AND J-CHANNEL FRAMES

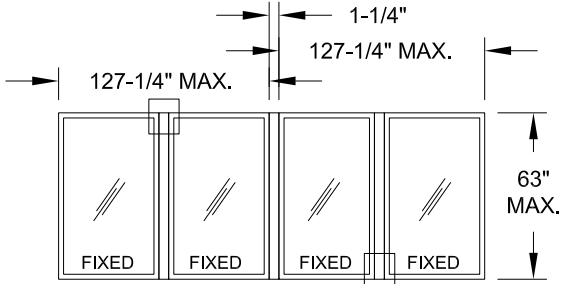


NOTES FOR FRAME ASSEMBLY TUBE END CAP:

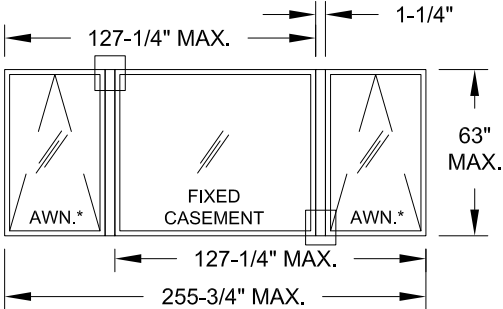
- 1) APPLIES TO FIN OR J-CHANNEL FRAMES.
- 2) REQUIRED AT HEADER/SILL OR JAMBS TO SEAL THE END OF THE FRAME ASSEMBLY TUBE.
- 3) ALL WINDOW TYPES AND FRAME ASSEMBLY TUBE ORIENTATIONS APPLICABLE, SEE SHEET 5.
- 4) END CAP MAY REQUIRE IN-FIELD TRIMMING. STANDARD LENGTH IS 14".



EXAMPLE CONFIGURATIONS WHEN USING THE FRAME ASSEMBLY TUBE/MULL. FOR TEES, CROSSES OR ASSEMBLIES WITH MORE THAN 4 UNITS USE CLIPPED, TUBE MULLION UNDER SEPARATE APPROVAL.



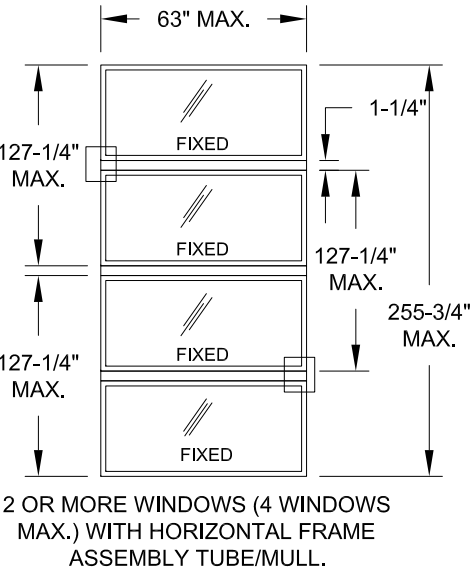
2 OR MORE WINDOWS WITH VERTICAL FRAME ASSEMBLY TUBE/MULL. (4 WINDOWS MAX.)



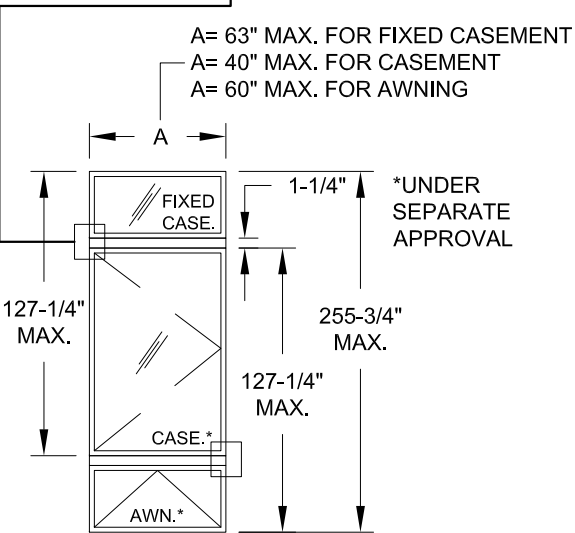
2 OR MORE WINDOWS WITH VERTICAL FRAME ASSEMBLY TUBE/MULL. VARIOUS WINDOW TYPES AND SIZES (4 WINDOWS MAX.)

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



2 OR MORE WINDOWS (4 WINDOWS MAX.) WITH HORIZONTAL FRAME ASSEMBLY TUBE/MULL.

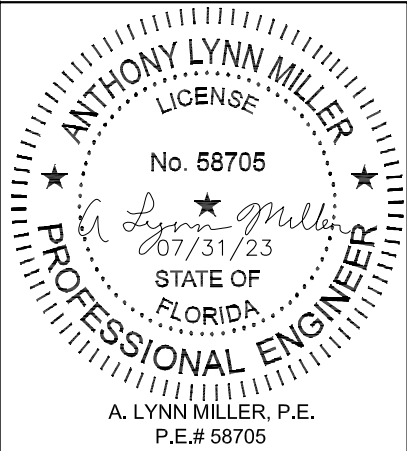


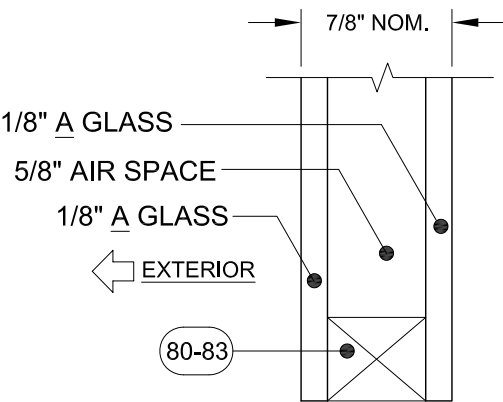
2 OR MORE WINDOWS (4 WINDOWS MAX.) WITH HORIZONTAL FRAME ASSEMBLY TUBE/MULL. VARIOUS WINDOW TYPES AND SIZES.

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-0816.05**
Expiration Date: **09/24/2025**
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Miami-Dade Product Control

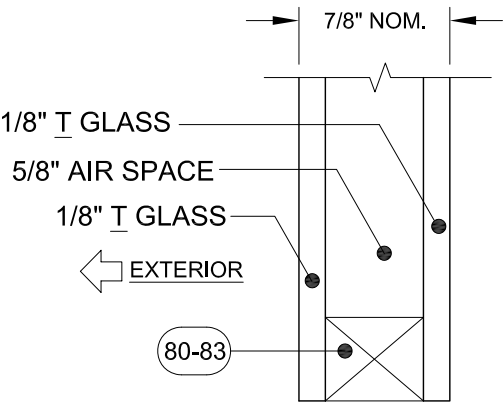
Revision: D) NO CHANGES, THIS SHEET.
SB - 7/31/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	VINYL FIXED CASEMENT WINDOW NOA (NI) DATE 9/9/14 BY J. ROSOWSKI	FRAME ASSEMBY TUBE DETAILS	PW-5440	6 OF 11	MD-5440.0	D

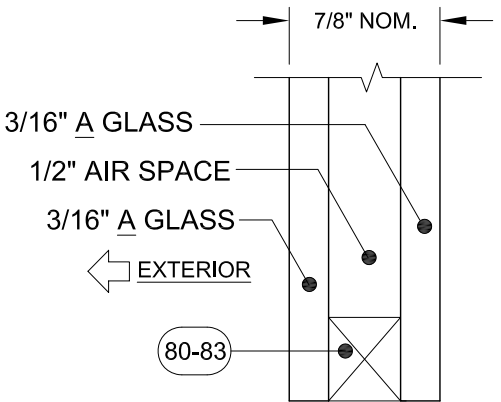




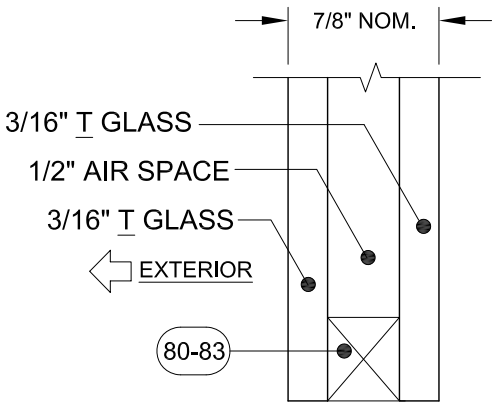
GLASS TYPE 1



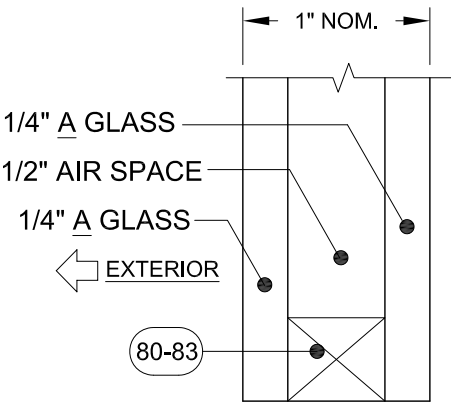
GLASS TYPE 2



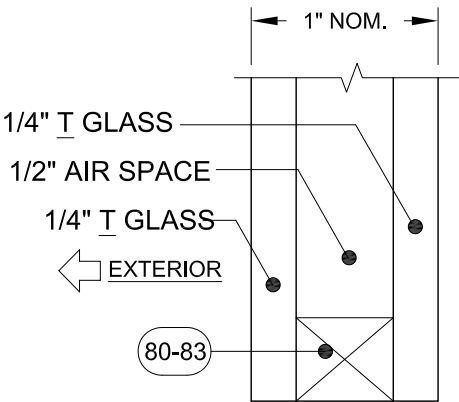
GLASS TYPE 3



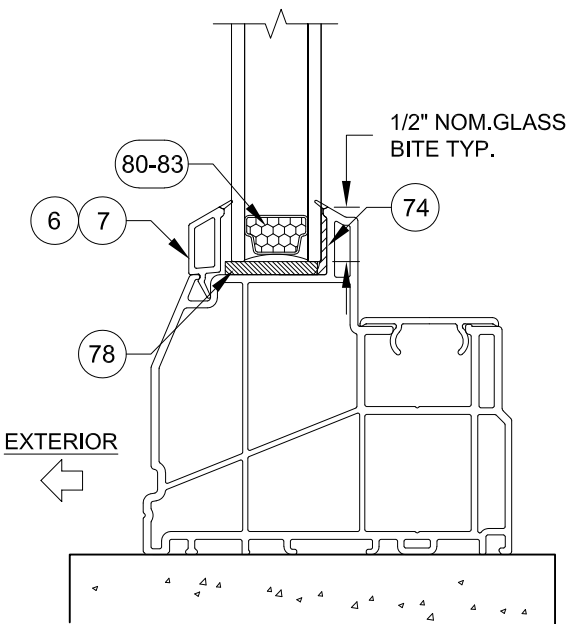
GLASS TYPE 4



GLASS TYPE 5



GLASS TYPE 6



TYP. GLAZING DETAIL

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

PRODUCT REVISED
As complying with the Florida
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Expiration Date: **09/24/2025**
By: *Manuel Perez*
Miami-Dade Product Control

Revision: D) NO CHANGES,
THIS SHEET.
SB - 7/31/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	VINYL FIXED CASEMENT WINDOW NOA (NI)	J. ROSOWSKI	Rev.	D
				Date	9/9/14
				By	J. ROSOWSKI
				DWG No.	MD-5440.0
P&GT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	VINYL FIXED CASEMENT WINDOW NOA (NI)	GLAZING DETAILS	PW-5440	Sheet	7 OF 11
				Series	
				Desc.	
				Title	

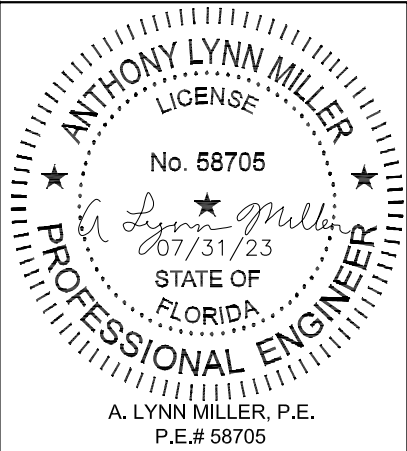


TABLE 4:

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	<div>MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4</div> <div>MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4</div>					
	42	+/-56.2	+/-54.1	+/-52.9	+/-51.8	+/-50							
	44	+/-55.5	+/-53.3	+/-52	+/-50.8			<div>APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)</div> <div>APPLIES TO E OR F ANCHORS (SEE TABLE 3)</div>					
	46	+/-54.9	+/-52.6	+/-51.1									
	48	+/-53.5	+/-50.8					<div>15"</div> <div>4"</div>					
51.05	+/-50.6												

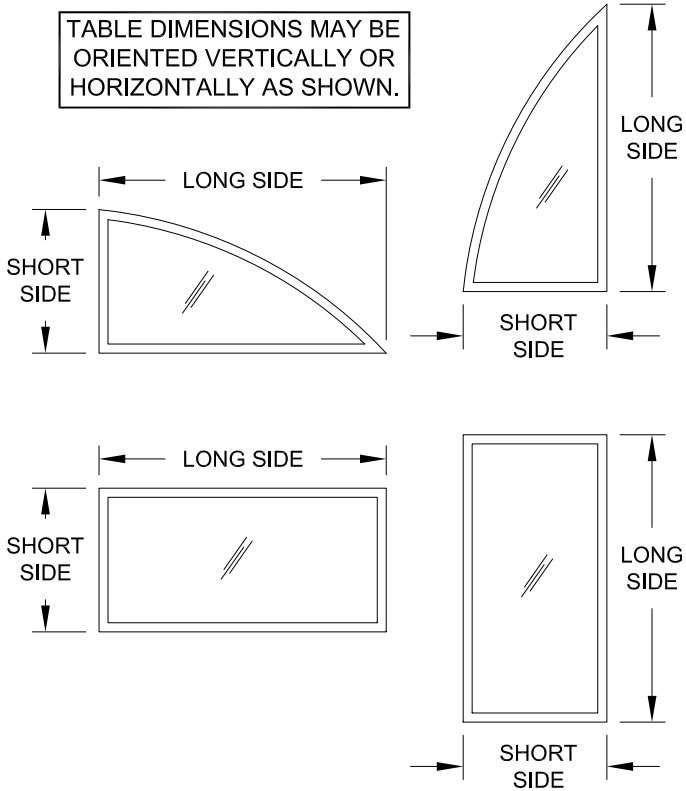


TABLE 5:

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		
	52	+/-77.7	+/-75.1	+/-73.5	+/-72.2	+/-70.9								
	54	+/-77.1	+/-74.2	+/-72.6	+/-71.2				APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)			APPLIES TO F ANCHORS (SEE TABLE 3)		
	56	+/-76.6	+/-73.6	+/-71.9										
	58	+/-76.3	+/-73.1						15.5"			4"		
	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.

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-0816.05**
Expiration Date: **09/24/2025**
By: *Manuel Perez*
Miami-Dade Product Control

Revision: D) NO CHANGES, THIS SHEET.
SB - 7/31/23

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

PGT
Custom Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296

VINYL FIXED CASEMENT WINDOW NOA (NI)
9/9/14
Date

J. ROSOWSKI
By

VINYL FIXED CASEMENT WINDOW NOA (NI)
DESIGN PRESSURE TABLES A

8 OF 11
Sheet

MD-5440.0
Rev.

PW-5440
Series

ANTHONY LYNN MILLER
LICENSE
No. 58705
07/31/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
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	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	
	62	+/-55.1	+/-54.2	+/-53.1	+/-52.1	+/-50.7							
	64	+/-54.8	+/-53.9	+/-52.7	+/-51.6			APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)				APPLIES TO E OR F ANCHORS (SEE TABLE 3)	
	66	+/-54.5	+/-53.6	+/-52.4									
68	+/-53.6	+/-53.1					15"				3" FOR E ANCHORS, 4" FOR F ANCHORS		
69.65	+/-52.6												

- 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.

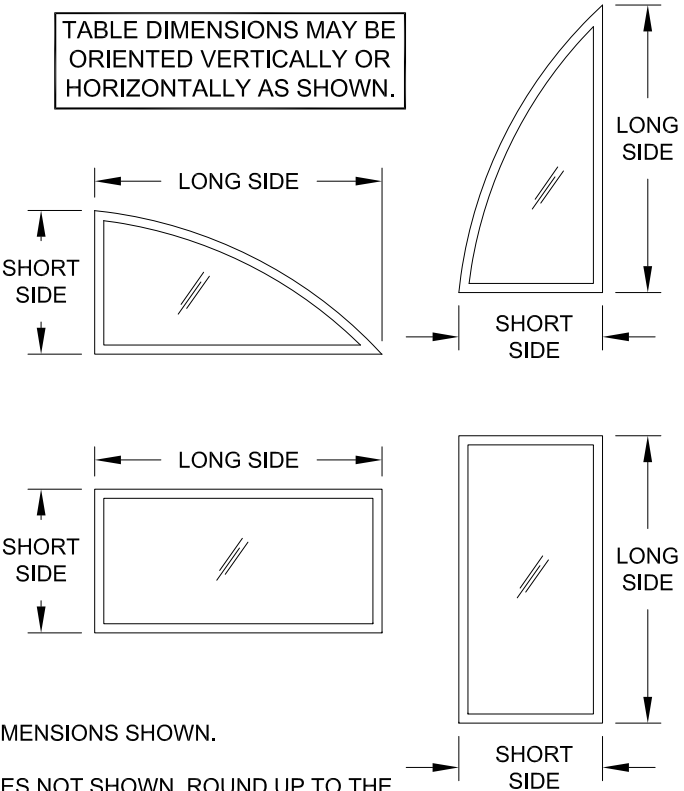


TABLE 7:

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
NOA-No. **23-0816.05**
Expiration Date: **09/24/2025**
By: *Manuel Perez*
Miami-Dade Product Control

Revision: D) NO CHANGES, THIS SHEET.
SB - 7/31/23

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

PGT

Custom Windows and Doors

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

REGISTRATION #29296

VINYL FIXED CASEMENT WINDOW NOA (NI)

DESIGN PRESSURE TABLES B

9/9/14

J. ROSOWSKI

PW-5440

D

Rev.

MD-5440.0

No.

DWG

9 OF 11

Sheet

Series

ANTHONY LYNN MILLER

LICENSE

No. 58705

07/31/23

STATE OF FLORIDA

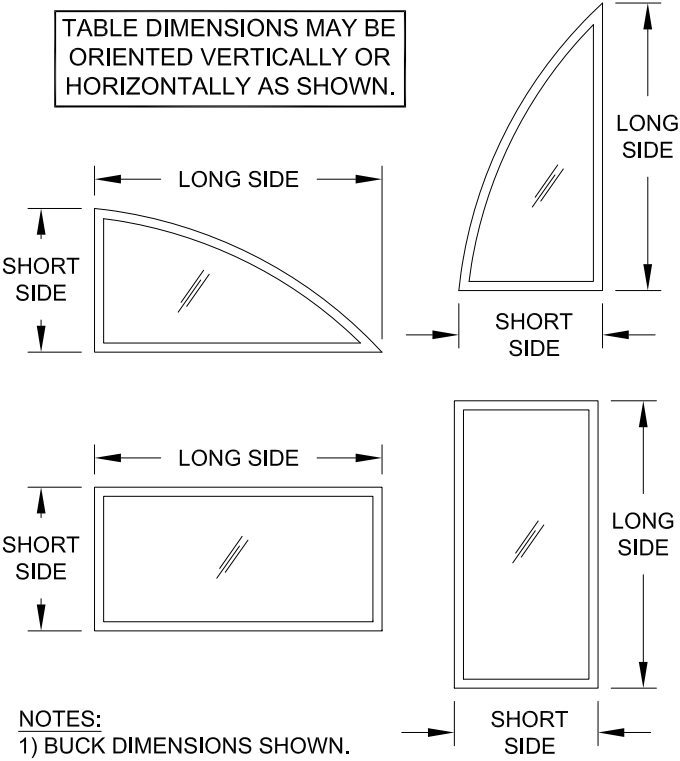
PROFESSIONAL ENGINEER

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
NOA-No. **23-0816.05**
Expiration Date: **09/24/2025**
By: *Manuel Perez*
Miami-Dade Product Control

Revision:

D) NO CHANGES, THIS SHEET.
SB - 7/31/23

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296

DATE
9/9/14

BY
J. ROSOWSKI

DRAWN
J. ROSOWSKI

SHEET
10 OF 11

SERIES
PW-5440

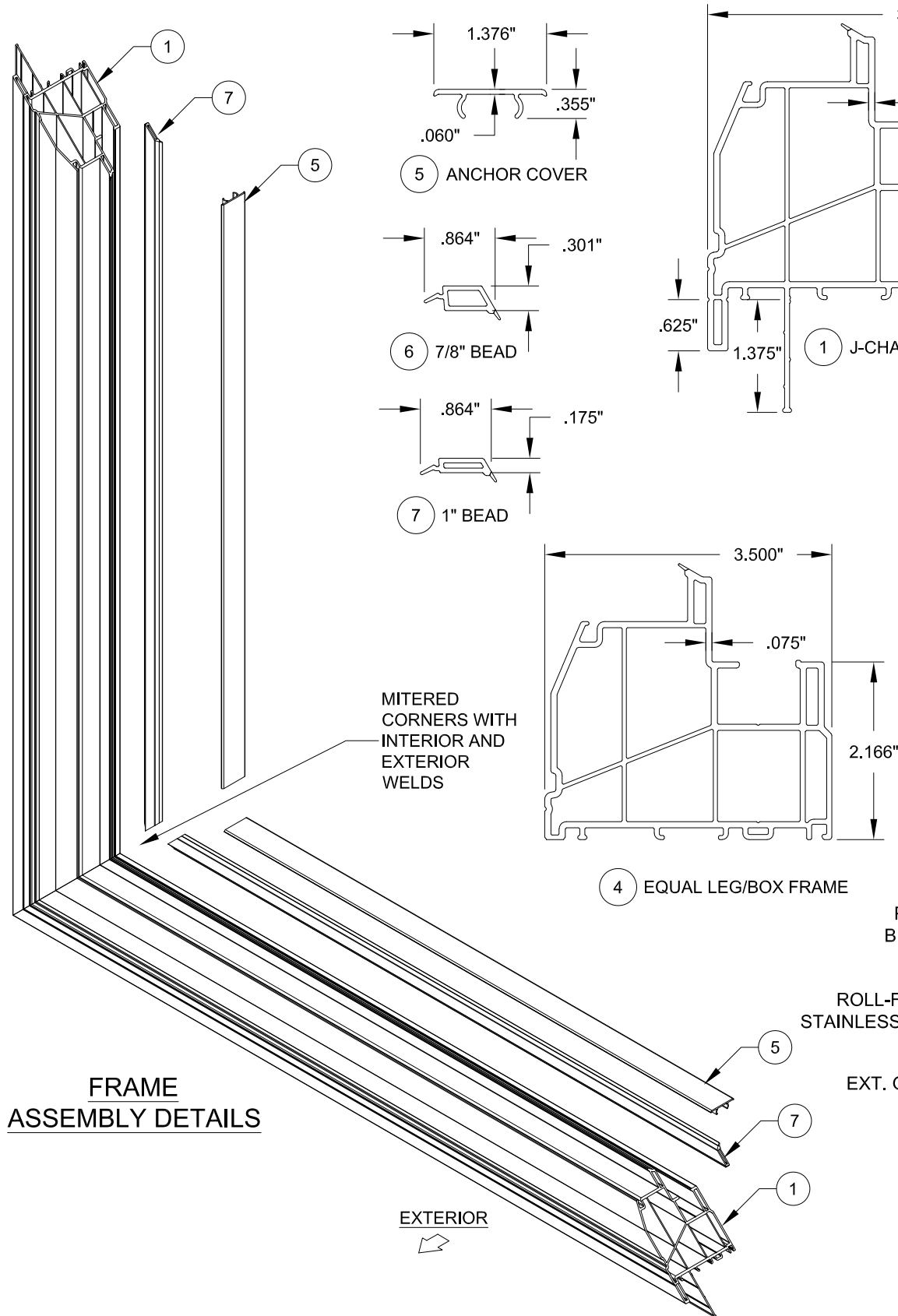
DESCRIPTION
VINYL FIXED CASEMENT WINDOW NOA (NI)
DESIGN PRESSURE TABLES C

NO. DWG
MD-5440.0

REV
D

ANTHONY LYNN MILLER
LICENSE
No. 58705
07/31/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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



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) VISION EXTRUSION, LTD. TO BE LABELED FOR AAMA EXTRUDER CODE.

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 or Dow 983	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 Fush Cap	PVC
93	20132	Frame Assembly Tube End Cap	PVC

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-0816.05**
Expiration Date: **09/24/2025**
By: *Manuel Perez*
Miami-Dade Product Control

Revision: D) NOTE 4, CHANGE EXTRUDER TO VISION. SB - 7/31/23

<div><div>Custom Windows and Doors</div></div>		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600			
1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296			
Title	VINYL FIXED CASEMENT WINDOW NOA (NI)		Date	9/9/14	
BOM & ASSEMBLY		Drawn By	J. ROSOWSKI		
Series	PW-5440	Sheet	11 OF 11	DWG No.	MD-5440.0
Desc.		Rev.		D	

