



**MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION**

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

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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-5540" PVC Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **MD-5540.0** titled "Vinyl Fixed Casement Window NOA (LM)", sheets 1 through 13 of 13, 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: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.


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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises NOA No. 20-0401.07** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

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




9/7/23

NOA No. 23-0816.04

Expiration Date: September 24, 2025

Approval Date: September 14, 2023

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

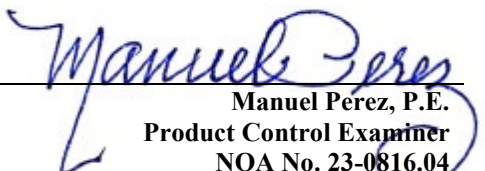
1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 15-0415.01)
2. Drawing No. **MD-5540.0** titled "Vinyl Fixed Casement Window NOA (LM)", sheets 1 through 13 of 13, 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. 20-0401.07)

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. 20-0401.07)
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. 16-0714.19)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.04
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. and 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)
5. 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. 20-0401.07)
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.04
Expiration Date: September 24, 2025
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

E. MATERIAL CERTIFICATIONS

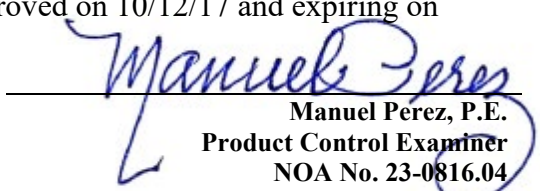
1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 05/09/19, expiring on 07/08/24.
2. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 12/28/17, expiring on 07/04/23.
3. 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.
4. 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.
5. 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 12, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0401.07)
2. Statement letter of no financial interest, dated March 12, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0401.07)
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. 20-0401.07)
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. 17-0614.06)
5. Proposal issued by Product Control Section, dated 06/26/14, signed by Jaime Gascon, P.E. Supervisor, Product Control Section.
(Submitted under NOA No. 15-0415.01)

G. OTHERS

1. Notice of Acceptance No. **17-0614.06**, issued to **PGT Industries, Inc.** for their Series "**PW-5540**" PVC Fixed Window – LM.I., approved on 10/12/17 and expiring on 09/24/20.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.04
Expiration Date: September 24, 2025
Approval Date: September 14, 2023

PGT Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **MD-5540.0** titled “Vinyl Fixed Casement Window NOA (LM)”, sheets 1 through 13 of 13, 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. Test reports on: 1) 400 ft-lb Drop Test, per ANSI Z97.1-15 Class A and FBC Sections 2406.2 and 2406.4.3. along with marked-up drawings and installation diagram of CGI Windows & Doors, Inc. and PGT Industries, Inc. representative units listed below and tested to qualify ANSI Z97.1 Safety Glazing on corresponding lites of CGI and PGT lines of fixed window products, prepared by QAI Laboratories, Test Reports No.: **NOK-0049**, test specimen: CGI Windows & Doors, Inc. Series “PW238” Aluminum Fixed Window – L.M.I. (unit 1 in proposal No. **23-0441R** dated 06/12/23). **NOK-0050**, test specimen: PGT Industries, Inc. Series “PW5520 Vinyl Fixed Window – L.M.I. (unit 2 in proposal No. **23-0441R** dated 06/12/23), each dated 08/02/23, and signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.04
Expiration Date: September 24, 2025
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED (CONTINUED)

E. MATERIAL CERTIFICATIONS


1. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 11/19/20, expiring on 07/08/24.
2. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**” dated 12/15/22, expiring on 07/04/28.
3. 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.
4. 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.
5. 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.
3. Proposal No. **23-0441R** issued by the Product Control Section, dated 06/06/23 and revised on 06/12/23, signed by Manuel Perez, P.E.

G. OTHERS

1. Notice of Acceptance No. **20-0401.07**, issued to PGT Industries, Inc. for their Series “PW-5540” PVC Fixed Window – L.M.I. approved on 08/06/20 and expiring on 09/24/25.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.04
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GENERAL NOTES: SERIES 5540
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 NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS. FOR INSULATED GLASS INSTALLATIONS ABOVE 30' IN THE HVHZ, THE OUTBOARD LITE (CAP) MUST TEMPERED.

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/CYCLE TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL/ CYCLE 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 EXTRUSIONS 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) PVB AND SG INTERLAYERS MANUFACTURED BY KURARAY AMERICA, INC.

12) FRAME FLANGES OR INTEGRAL FINNS MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME.

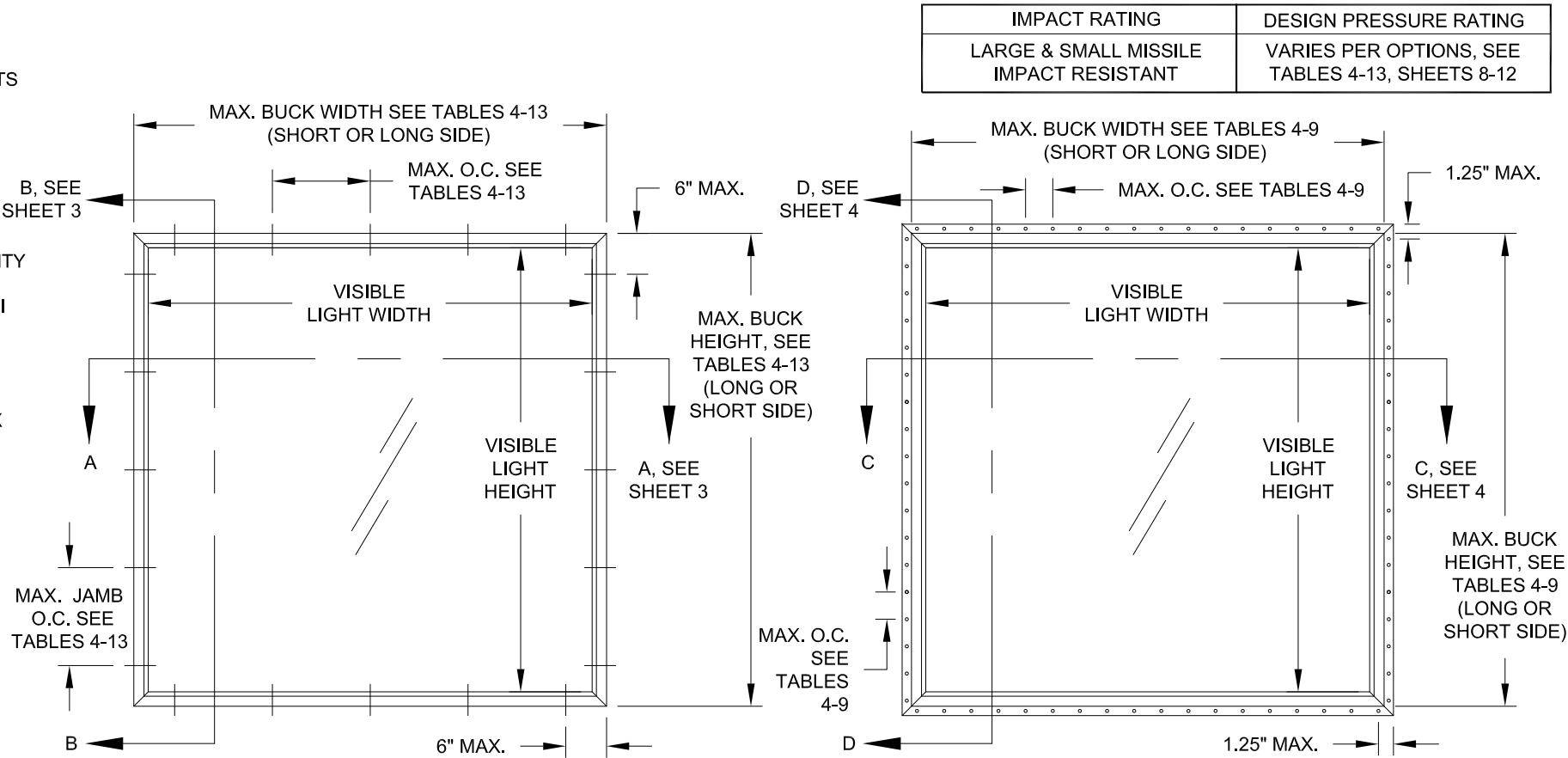
GENERAL NOTES.....	1
ELEVATIONS.....	1
FRAME, GLASS & ANCHOR OPTIONS.....	2
INSTALLATION, FLANGE & EQUAL LEG.....	3
INSTALLATION, INTEGRAL FIN & J-CHANNEL.....	4
FRAME ASSEMBLY TUBE.....	5-6
GLAZING DETAILS.....	7
DESIGN PRESSURES.....	8-12
BOM & ASSEMBLY.....	13

VISIBLE LIGHT FORMULAS

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

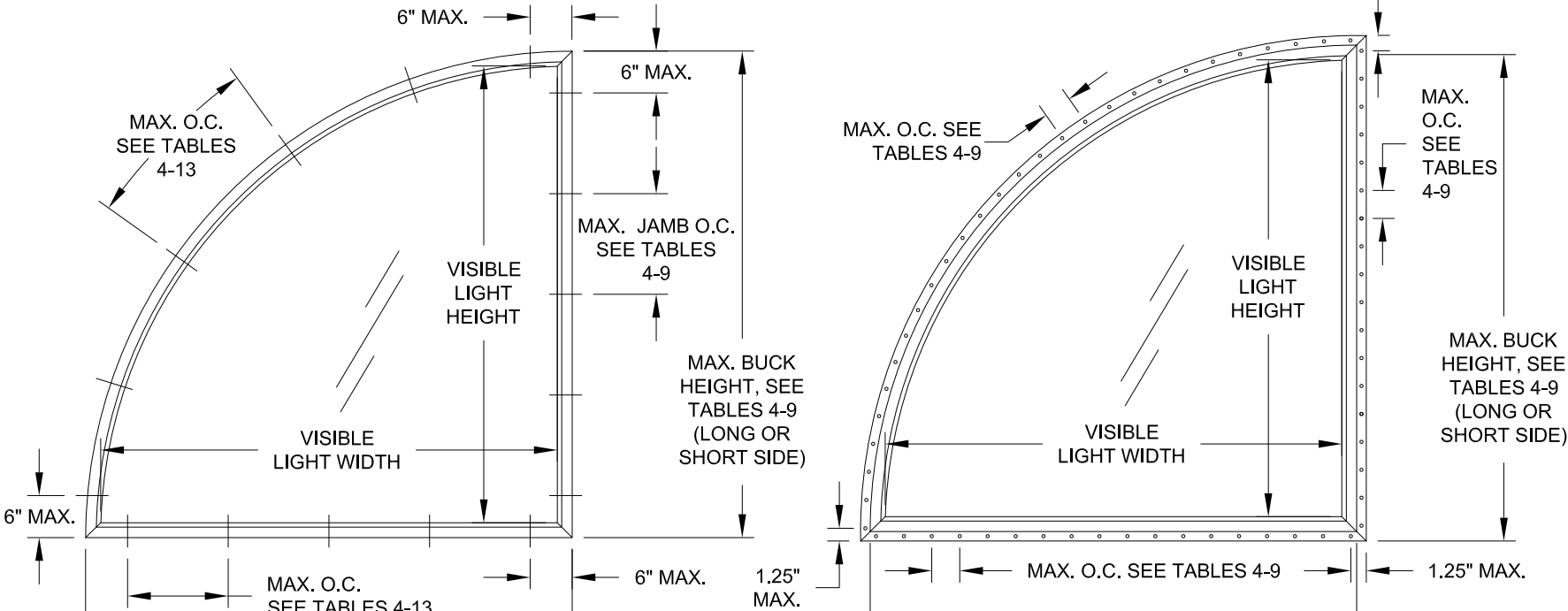
CODES / STANDARDS USED:

- 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)

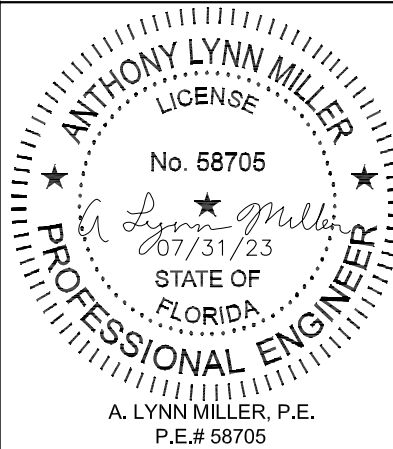
TYP. INTEGRAL FIN & J-CHANNEL FRAME (CURVED OR ANGLED CORNERS) (ANCHORED THROUGH NAIL FIN)

IMPACT RATING	DESIGN PRESSURE RATING
LARGE & SMALL MISSILE IMPACT RESISTANT	VARIES PER OPTIONS, SEE TABLES 4-13, SHEETS 8-12

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 23-0816.04
Expiration Date: 09/24/2025
By: *Manuel Perez*
Miami-Dade Product Control

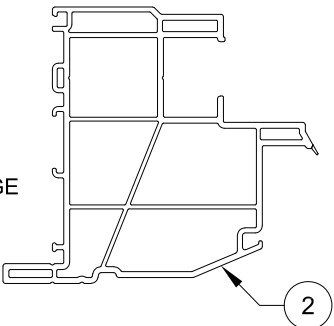
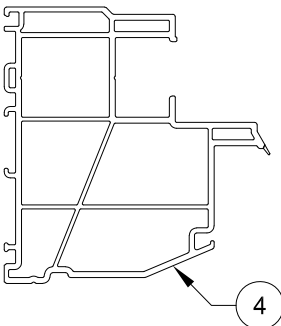
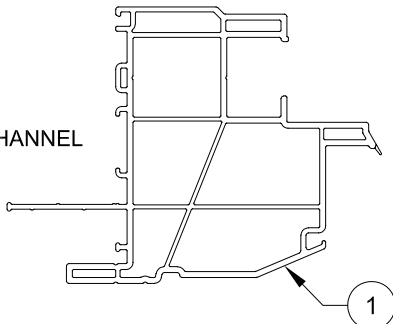
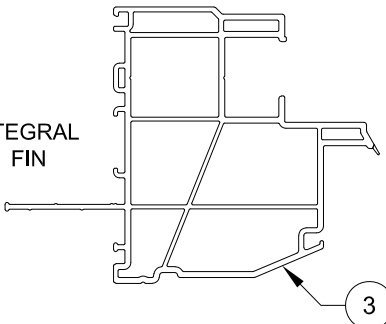
Revision: D) UPDATED TO 2023 FBC. CHANGE EXTRUDER TO VISION & ADD "BLACK", NOTE 10. REMOVE ULTRACON NOA REFERENCE, NOTE 10. ADD NOTE 12. REMOVE "INSTALLATION ANCHORS s/b SEALED" FROM NOTE 5. SB - 7/31/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	VINYL FIXED CASEMENT WINDOW NOA (LM)	J. ROSOWSKI	MD-5540.0	D
PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	VINYL FIXED CASEMENT WINDOW NOA (LM)	GENERAL NOTES & ELEVATION	PW-5540	1 OF 13	Sheet
VINYL FIXED CASEMENT WINDOW NOA (LM)	J. ROSOWSKI	GENERAL NOTES & ELEVATION	PW-5540	1 OF 13	Sheet
VINYL FIXED CASEMENT WINDOW NOA (LM)	J. ROSOWSKI	GENERAL NOTES & ELEVATION	PW-5540	1 OF 13	Sheet



Glass Type	Description	Table #	Sheet #
7	7/8" Laminated I.G.: 1/8" A Exterior Cap + 7/16" Air Space + 5/16" Laminated; (2) Lites of 1/8" A Glass with .090" PVB Interlayer	4	8
8	7/8" Laminated I.G.: 1/8" T Exterior Cap + 7/16" Air Space + 5/16" Laminated; (2) Lites of 1/8" A Glass with .090" PVB Interlayer	5	8
9	7/8" Laminated I.G.: 3/16" A Exterior Cap + 3/8" Air Space + 5/16" Laminated; (2) Lites of 1/8" A Glass with .090" PVB Interlayer	6	9
10	7/8" Laminated I.G.: 3/16" T Exterior Cap + 3/8" Air Space + 5/16" Laminated; (2) Lites of 1/8" A Glass with .090" PVB Interlayer	6	9
11	1" Laminated I.G.: 1/8" T Exterior Cap + 7/16" Air Space + 7/16" Laminated; (2) Lites of 3/16" A Glass with .090" PVB Interlayer	7	9
12	1" Laminated I.G.: 3/16" A Exterior Cap + 3/8" Air Space + 7/16" Laminated; (2) Lites of 3/16" A Glass with .090" PVB Interlayer	8	10
13	1" Laminated I.G.: 3/16" T Exterior Cap + 3/8" Air Space + 7/16" Laminated; (2) Lites of 3/16" A Glass with .090" PVB Interlayer	9	10
14	1" Laminated I.G.: 3/16" A Exterior Cap + 3/8" Air Space + 7/16" Laminated; (2) Lites of 3/16" A Glass with .090" SG Interlayer	10	11
15	1" Laminated I.G.: 3/16" T Exterior Cap + 3/8" Air Space + 7/16" Laminated; (2) Lites of 3/16" A Glass with .090" SG Interlayer	11	11
16	1" Laminated I.G.: 1/8" T Exterior Cap + 7/16" Air Space + 7/16" Laminated; (2) Lites of 3/16" H Glass with .090" SG Interlayer	12	12
17	1" Laminated I.G.: 3/16" T Exterior Cap + 3/8" Air Space + 7/16" Laminated; (2) Lites of 3/16" H Glass with .090" SG Interlayer	13	12

WINDOW FRAMES MAY BE ANY OF THOSE SHOWN BELOW:

<p>FLANGE</p>  <p>Diagram 2: A cross-section of a window frame with a flange. The frame is shown in a perspective view, with a diagonal line indicating the internal structure. The flange is a flat, rectangular piece attached to the outer edge of the frame. An arrow points to the flange, and the number 2 is in a circle.</p>	<p>BOX OR EQUAL LEG</p>  <p>Diagram 4: A cross-section of a window frame with a box or equal leg. The frame is shown in a perspective view, with a diagonal line indicating the internal structure. The box or equal leg is a rectangular piece attached to the outer edge of the frame. An arrow points to the box or equal leg, and the number 4 is in a circle.</p>
<p>J-CHANNEL</p>  <p>Diagram 1: A cross-section of a window frame with a J-channel. The frame is shown in a perspective view, with a diagonal line indicating the internal structure. The J-channel is a U-shaped piece attached to the outer edge of the frame. An arrow points to the J-channel, and the number 1 is in a circle.</p>	<p>INTEGRAL FIN</p>  <p>Diagram 3: A cross-section of a window frame with an integral fin. The frame is shown in a perspective view, with a diagonal line indicating the internal structure. The integral fin is a rectangular piece attached to the outer edge of the frame. An arrow points to the integral fin, and the number 3 is in a circle.</p>

THIS SYSTEM HAS BEEN TESTED TO MEET THE 400 FT-LB
KINETIC ENERGY IMPACT LOADING REQUIREMENTS OF ANSI
Z97.1 WHEN USING GLASS TYPES 16 & 17.

**! GLASS TYPES 7, 9, 12, & 14
MAY NOT BE USED IN THE
HVHZ ABOVE 30'.**


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"


ALL ANCHOR HEAD
TYPES ARE
ACCEPTABLE.

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

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"

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By: *Manuel Perez*
Miami-Dade Product Control

 <p>PGT Custom Windows and Doors</p>		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 (LM)			Date	9/9/14
Desc.	GLASS/ANCHORS/FRAME OPTIONS		Drawn By	J. ROSOWSKI	
Rev	D) ADD NOTES, ANCHOR HEAD TYPES, ANSI Z97.1. REMOVE ULTRACONS. SB			Rev Date	07/31/23
Series	PW-5540	Sheet	2 OF 13	DWG No.	MD-5540.0
				Rev.	D

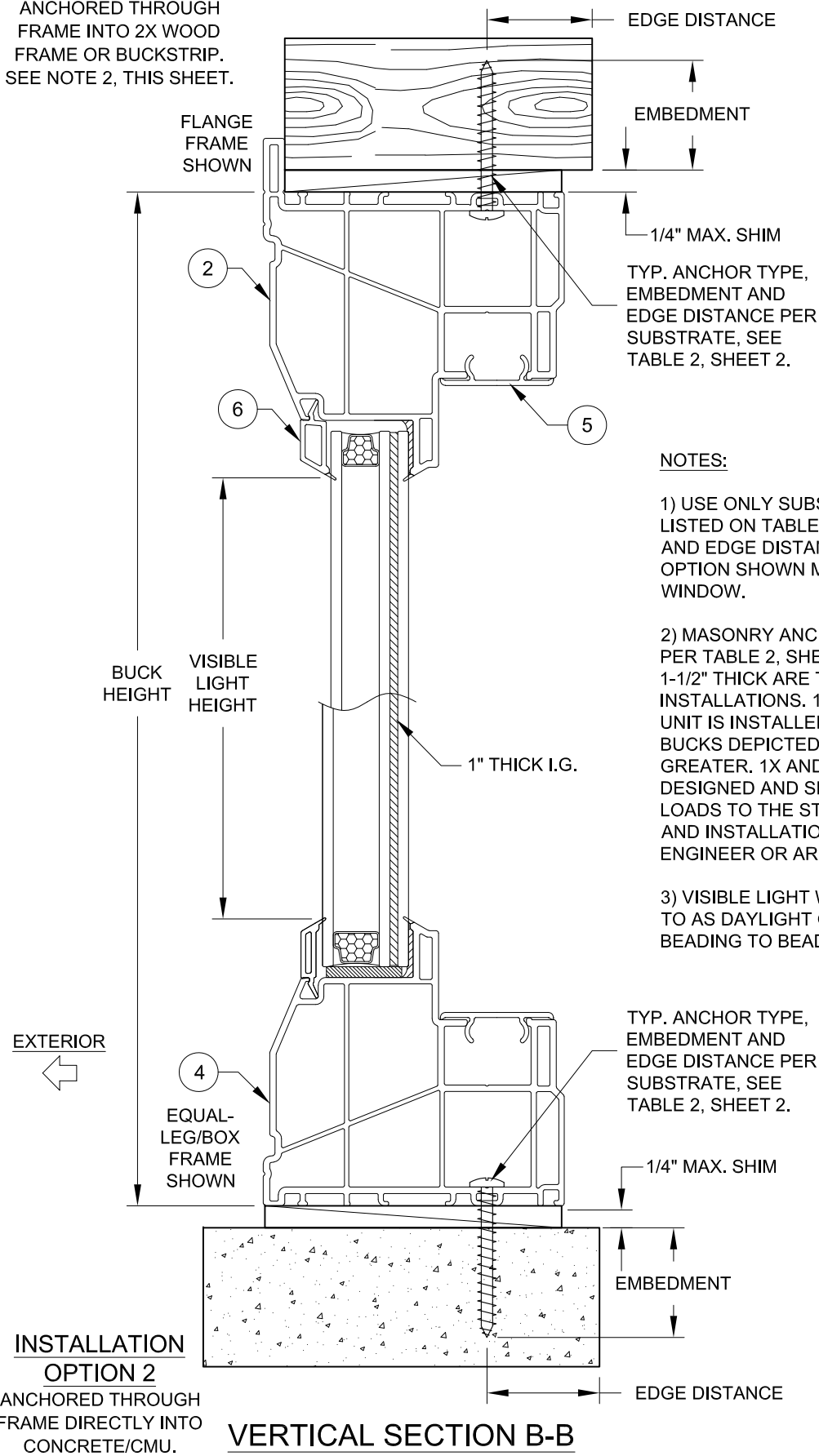


ANTHONY LYNN MILLER
 LICENSE
 No. 58705
Anthony Lynn Miller
 07/31/23
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER

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

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.

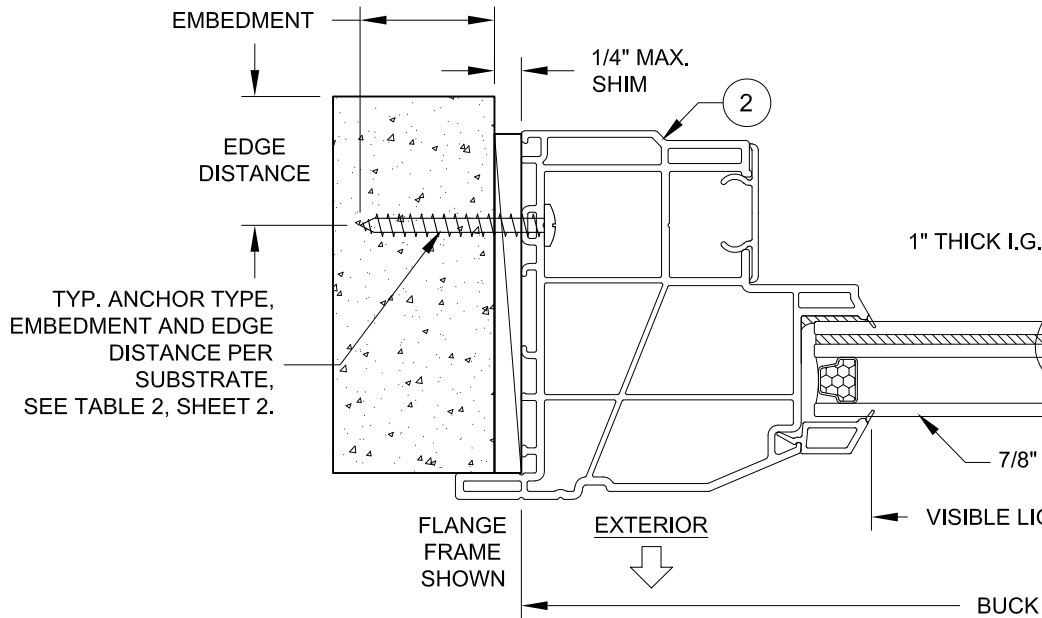


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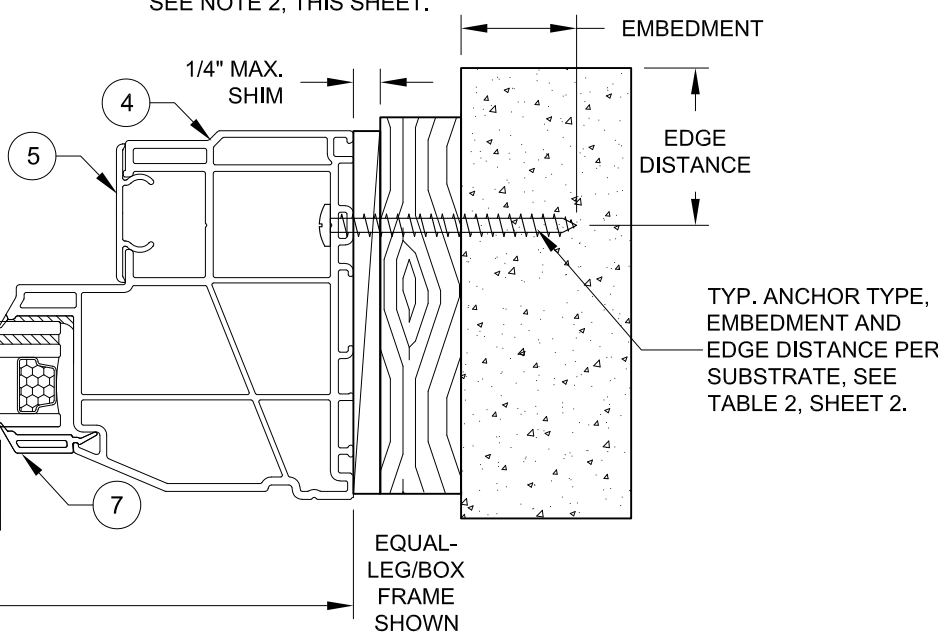
- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 2, SHEET 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.
- 2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 2, SHEET 2. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 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.

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

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

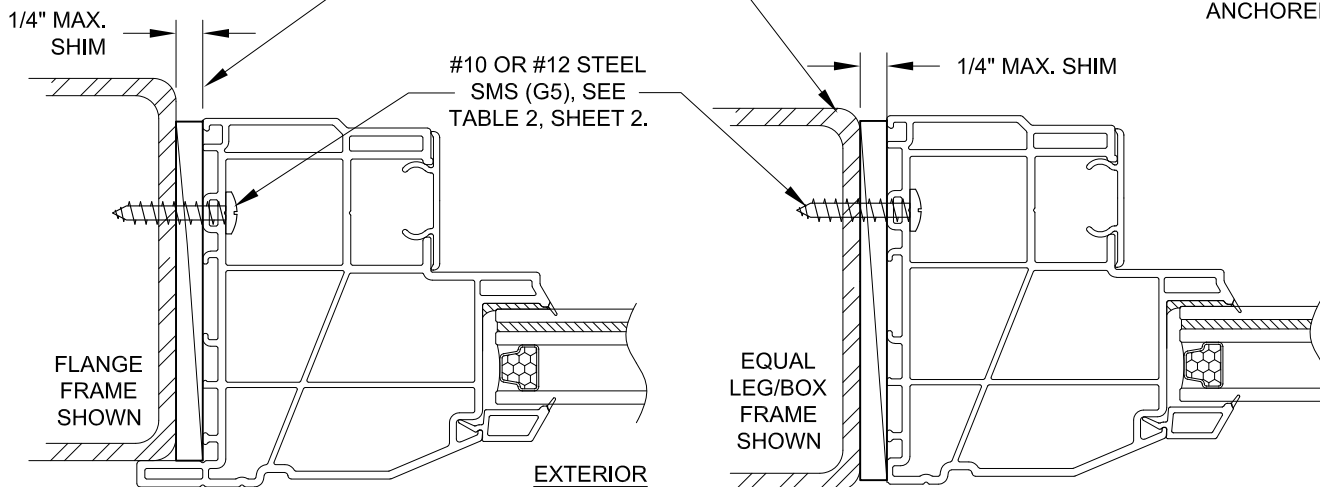


INSTALLATION OPTION 3
ANCHORED THROUGH FRAME AND 1X
BUCKSTRIP INTO CONCRETE/CMU.
SEE NOTE 2, THIS SHEET.



HORIZONTAL SECTION A-A

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



INSTALLATION OPTION 4
ANCHORED THROUGH FRAME INTO METAL

INSTALLATION OPTION 4
ANCHORED THROUGH FRAME INTO METAL

INSTALLATION C
ANCHORED THROUGH FR

PGT
Custom Windows and Doors

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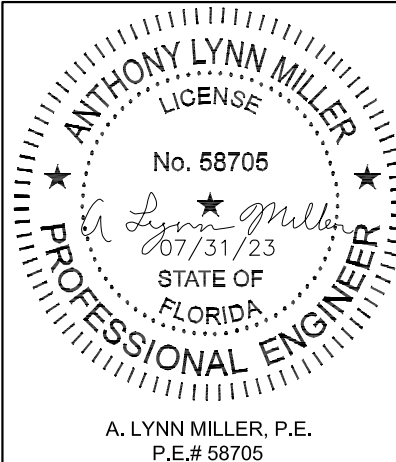
PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275

(941) 480-1600

REGISTRATION #29296

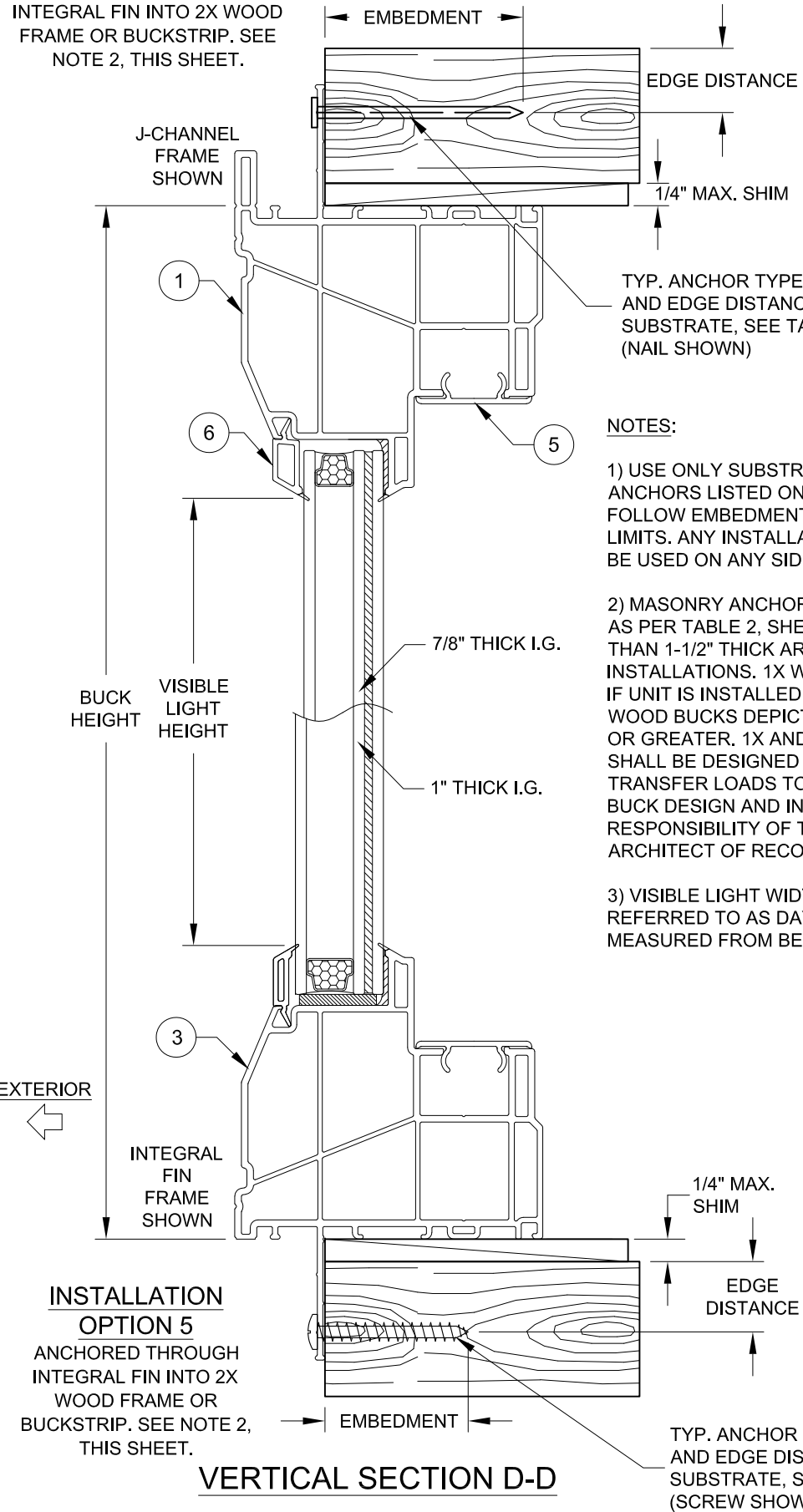
VINYL FIXED CASEMENT WINDOW NOA (LM)					Date	9/9/14
ACCESSORY INSTALLATION				Drawn By	J. ROSOWSKI	
D) NO CHANGES, THIS SHEET. SB					Rev Date	07/31/
PW-5540	Sheet	3 OF 13	DWG No.	MD-5540.0		Rev.

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By: *Manuel Perez*
Miami-Dade Product Control



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.



- 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.

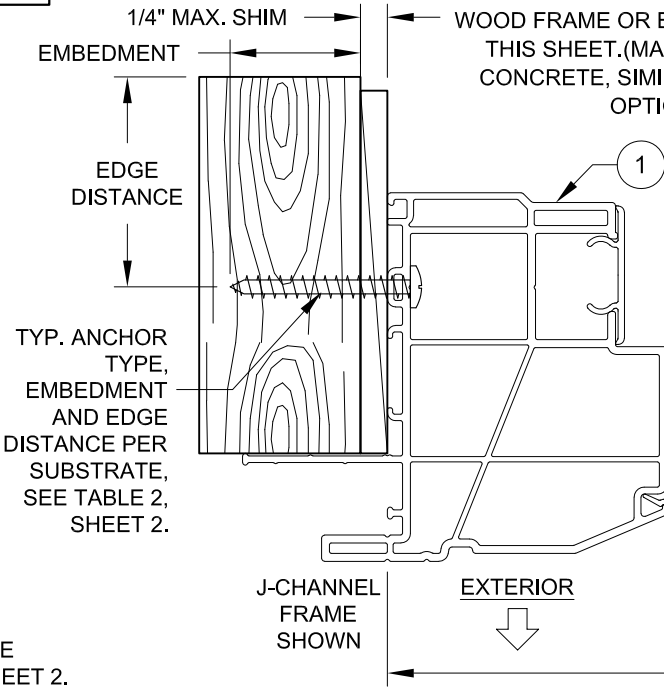
INSTALLATION OPTION 7
INSTALLATION THROUGH THE
INTEGRAL FIN, INTO METAL, SEE
TABLE 3, SHEET 2.

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

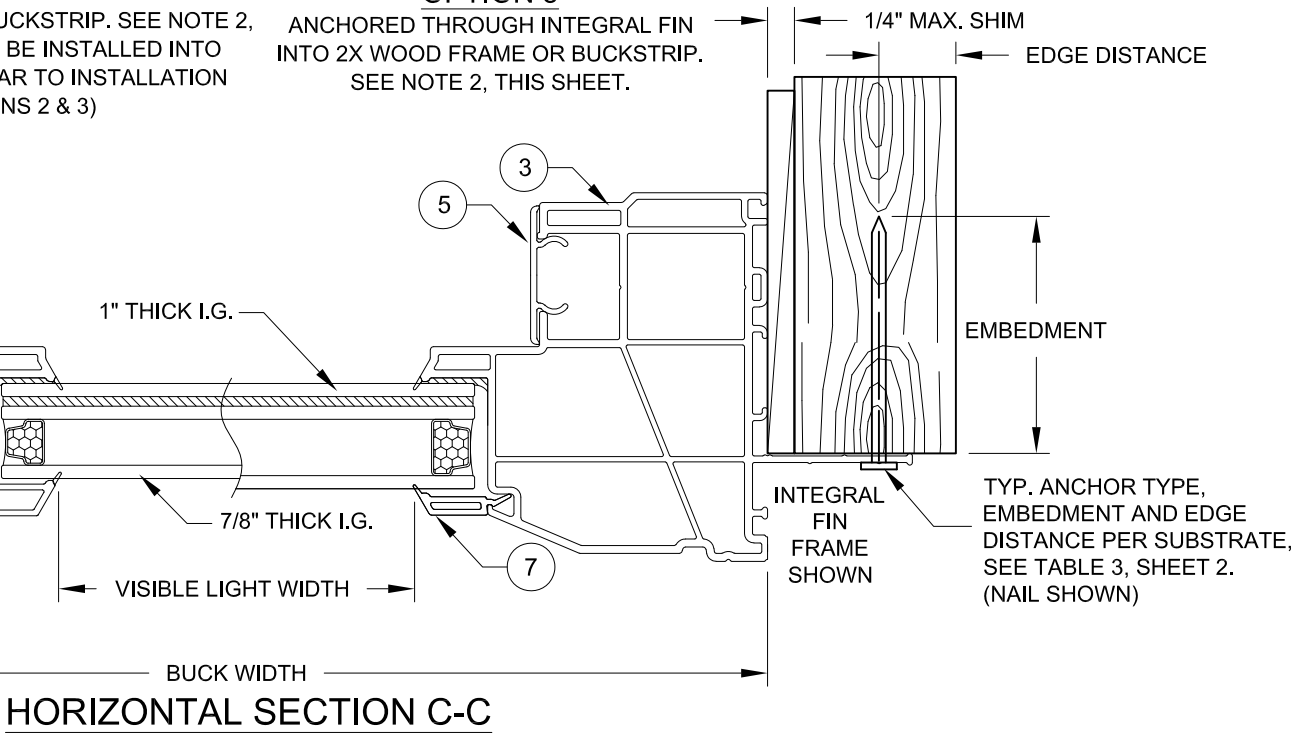
VISIBLE LIGHT FORMULAS
WIDTH: BUCK WIDTH - 6-3/4"
HEIGHT: BUCK HEIGHT - 6-3/4"

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

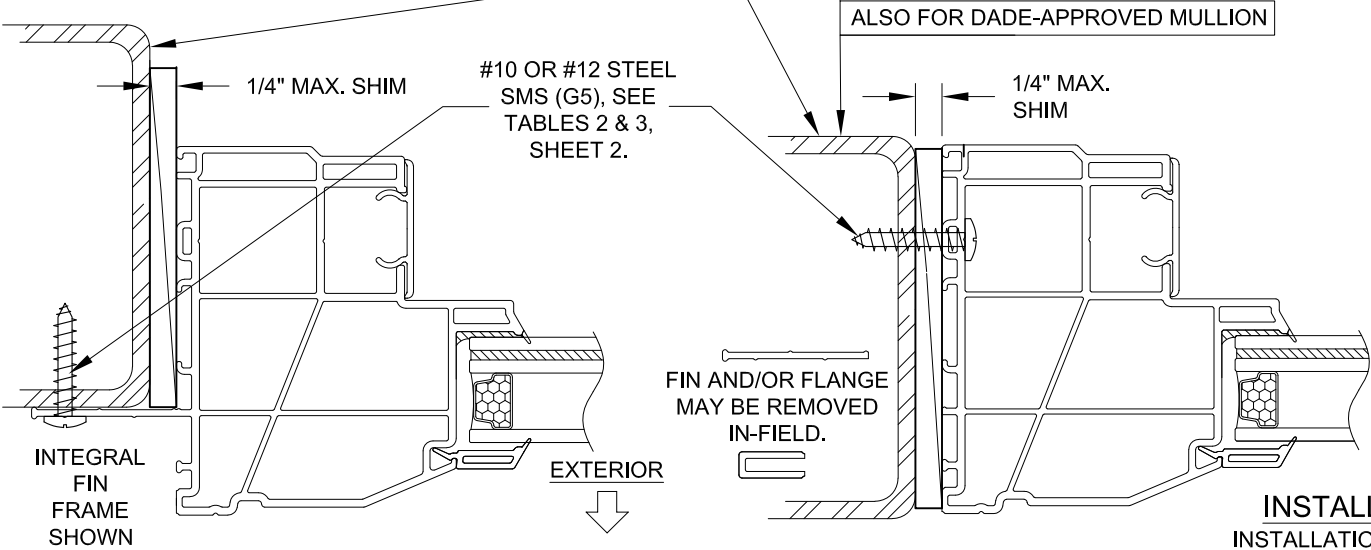
INSTALLATION OPTION 6
ANCHORED THROUGH FRAME INTO 2X
WOOD FRAME OR BUCKSTRIP. SEE NOTE 2,
THIS SHEET.(MAY BE INSTALLED INTO
CONCRETE, SIMILAR TO INSTALLATION
OPTIONS 2 & 3)



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

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

REGISTRATION #29296

Series	PW-5540	Sheet	4 OF 13	DWG No.	MD-5540.0	Rev.	D
Rev	1	Desc.	VINYL FIXED CASEMENT WINDOW NOA (LM)				Date
			ACCESSORY INSTALLATION				9/9/14
			D) ADD NOTES: FLANGE FRAME CAN BE USED WITH FIN AT MULL (OPT 7). SB				07/31/23
			J. ROSOWSKI				

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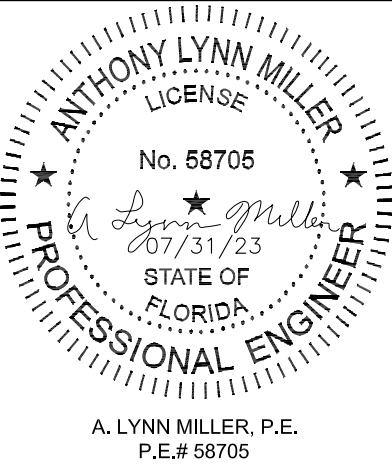


ILLUSTRATION OF FIXED CASEMENT-
TO-FIXED CASEMENT (OO)

(EQUAL LEG/BOX FRAME WITH IDENTICAL PRODUCTS COMBINED)

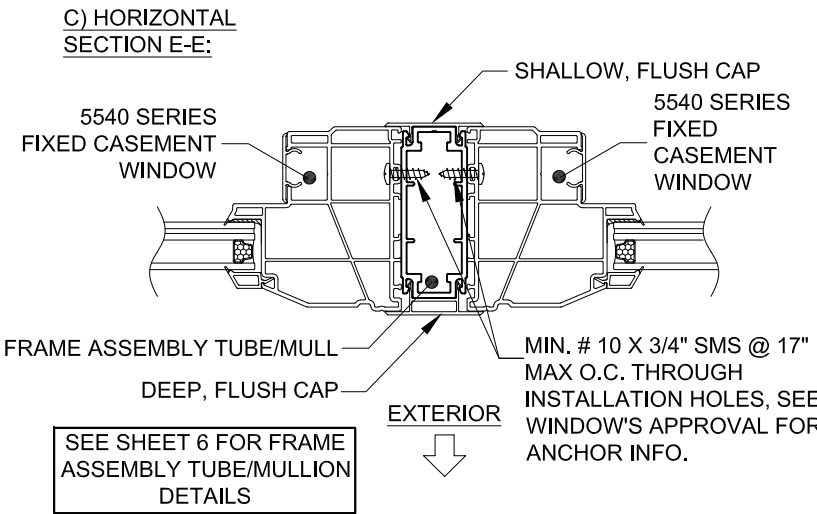
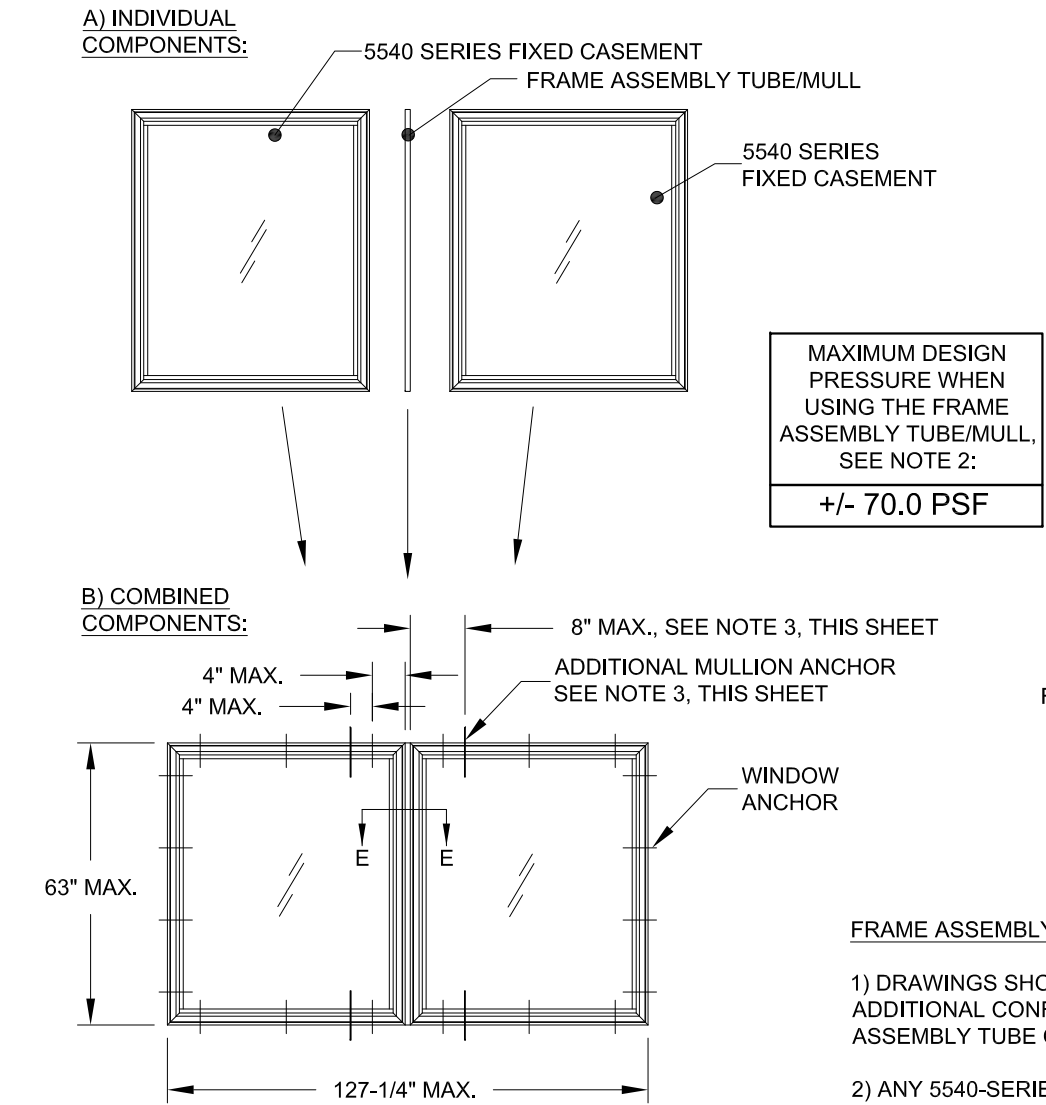
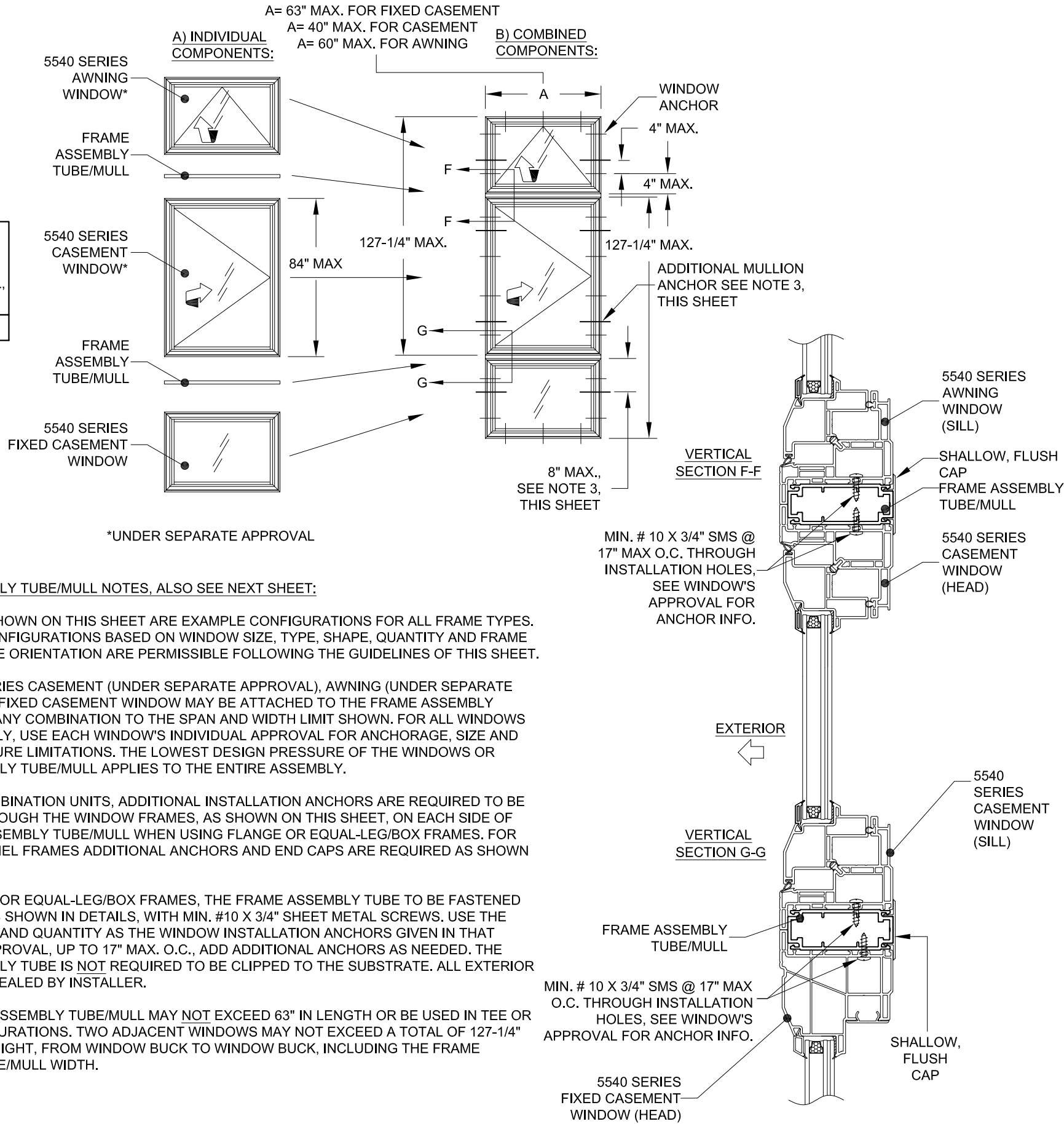


ILLUSTRATION OF AWNING-TO-CASEMENT-TO-FIXED CASEMENT (X/X/O)
(FLANGE FRAME WITH DIFFERENT 5540 SERIES PRODUCTS COMBINED)



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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	09/9/14	J. ROSOWSKI	MD-5540.0	D
PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	VINYL FIXED CASEMENT WINDOW NOA (LM)	FRAME ASSEMBLY TUBE DETAILS	PW-5540	5 OF 13	Sheet

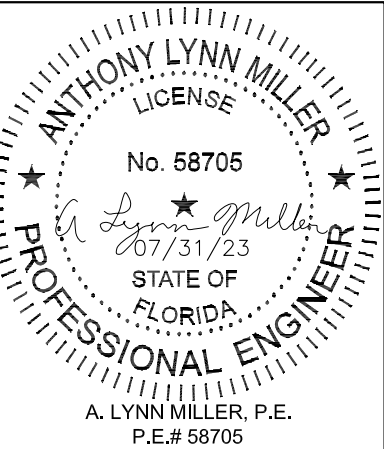
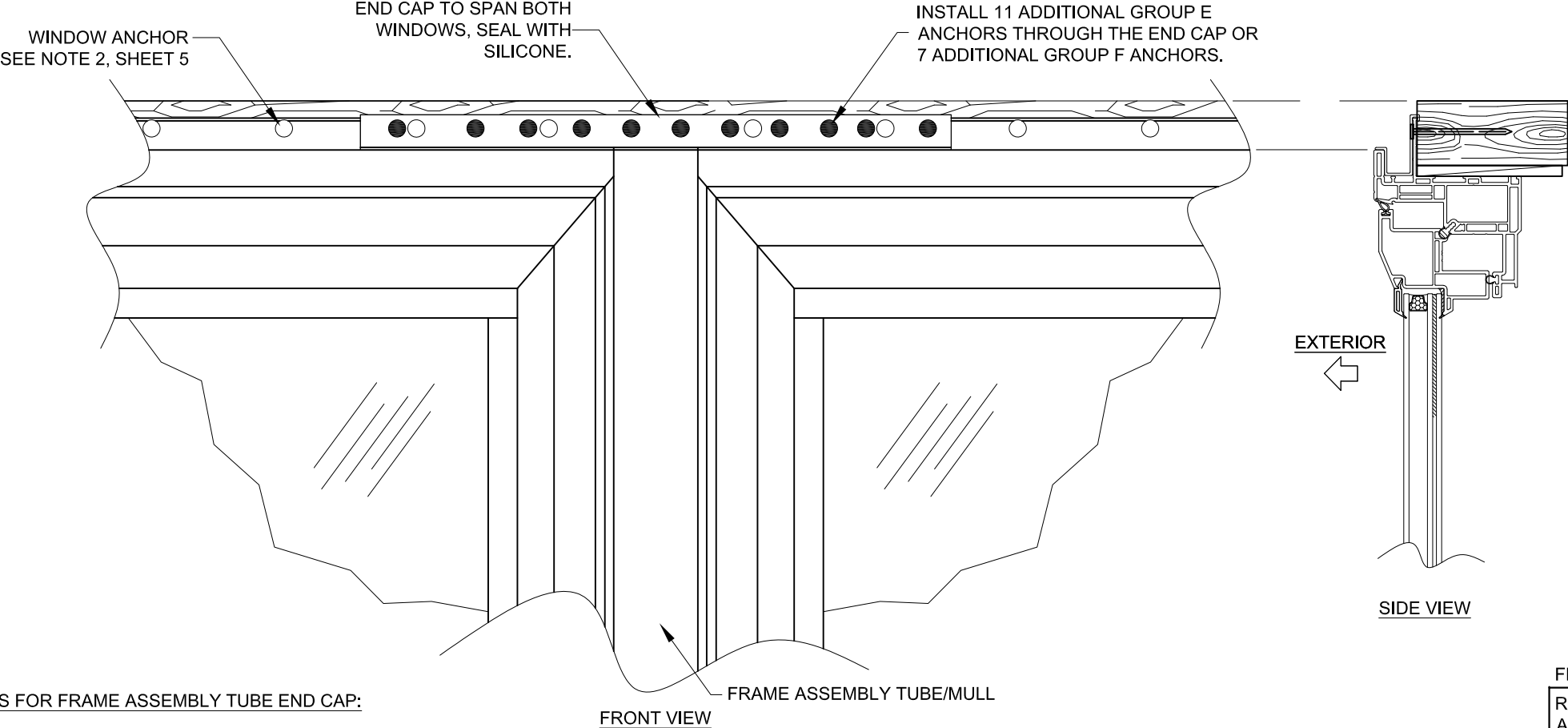
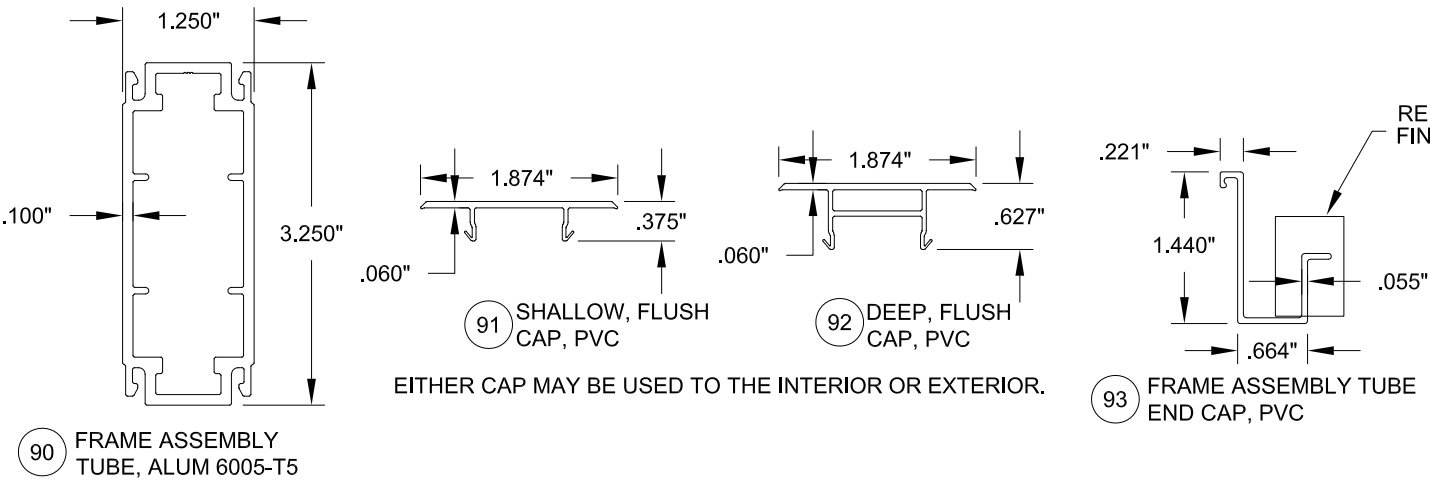


ILLUSTRATION OF END CAP USE WITH FIN AND J-CHANNEL FRAMES

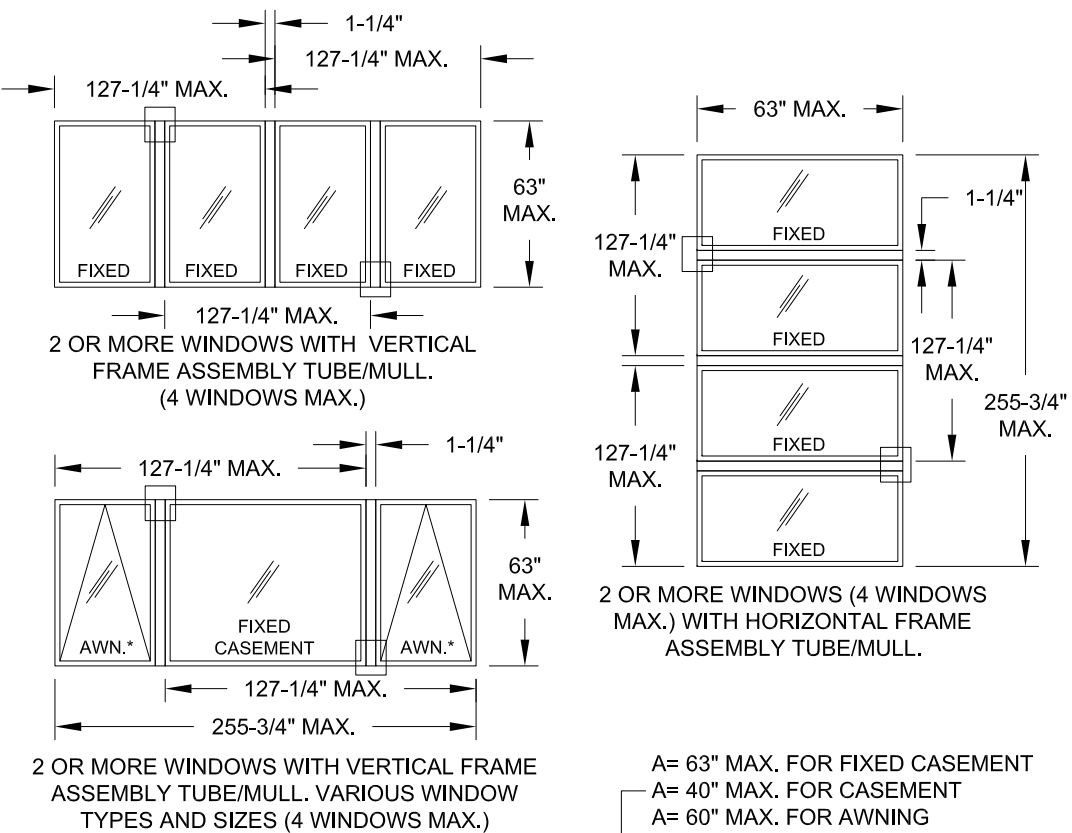


NOTES FOR FRAME ASSEMBLY TUBE END CAP:

- 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".

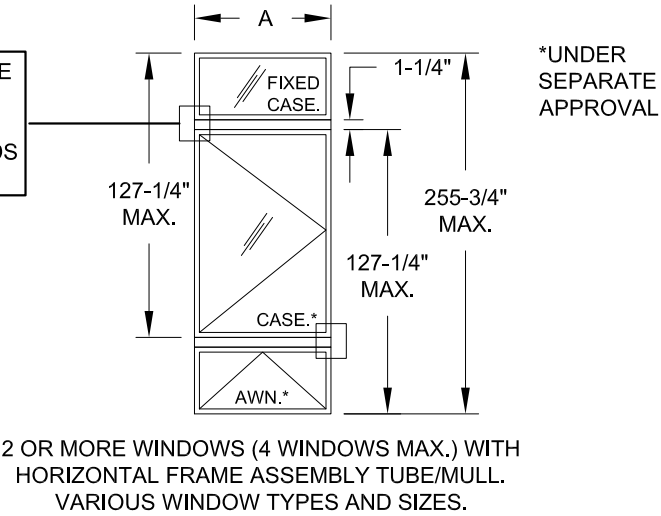


EXAMPLE CONFIGURATIONS WHEN USING THE FRAME ASSEMBLY TUBE/MULL. FOR TEES, CROSSES OR ASSEMBLIES WITH MORE THAN 4 UNITS USE CLIPPED, TUBE MULLION UNDER SEPARATE APPROVAL.



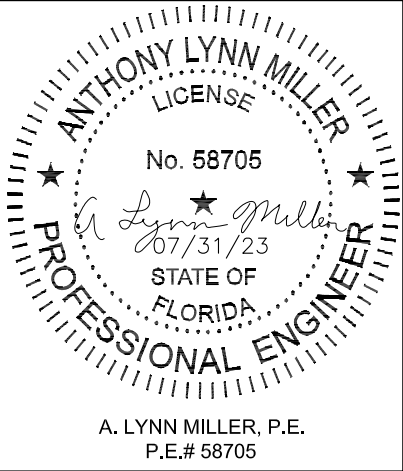
FRAME ASSEMBLY TUBE NOTE:

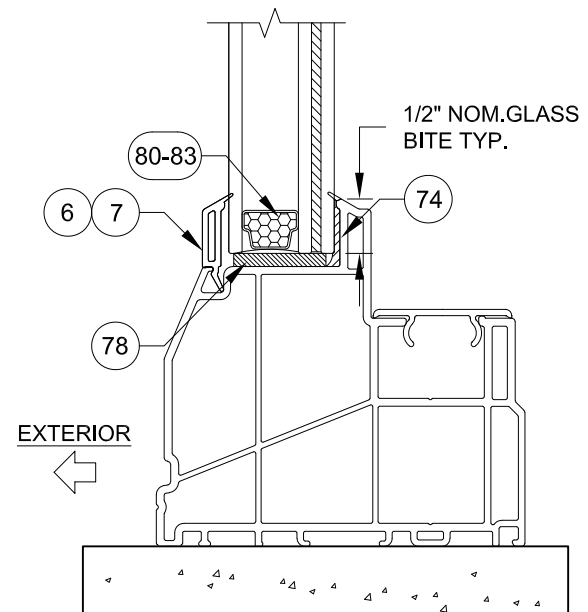
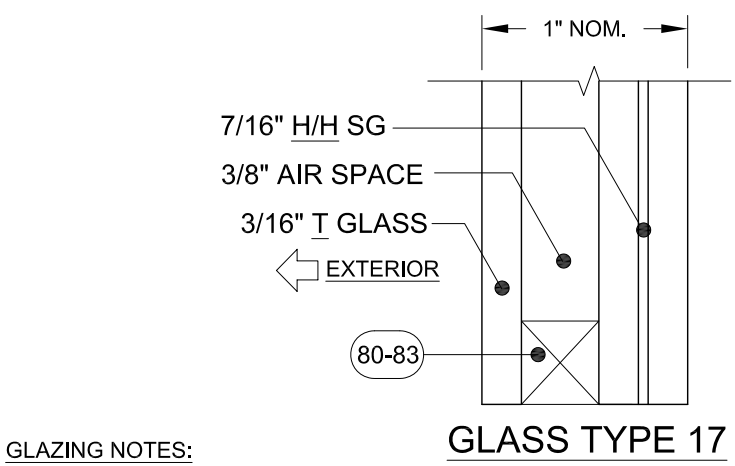
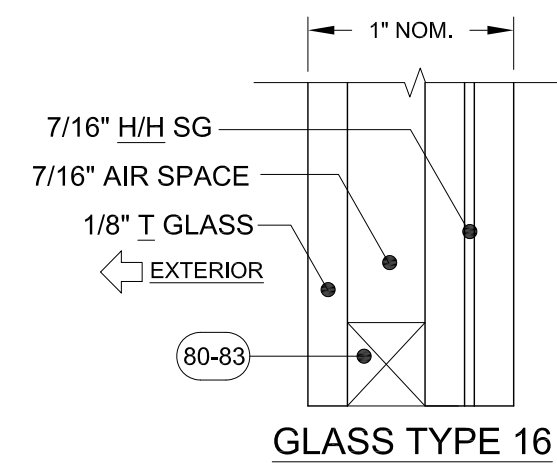
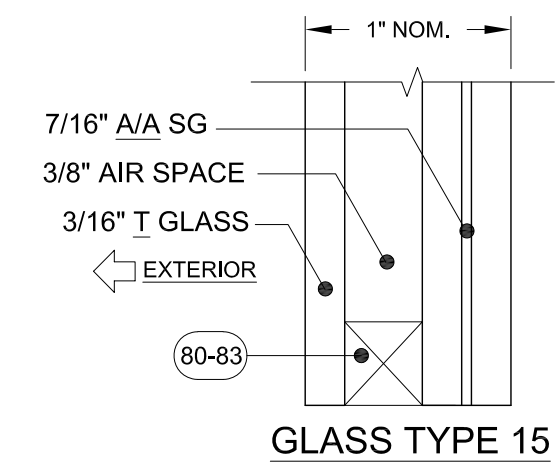
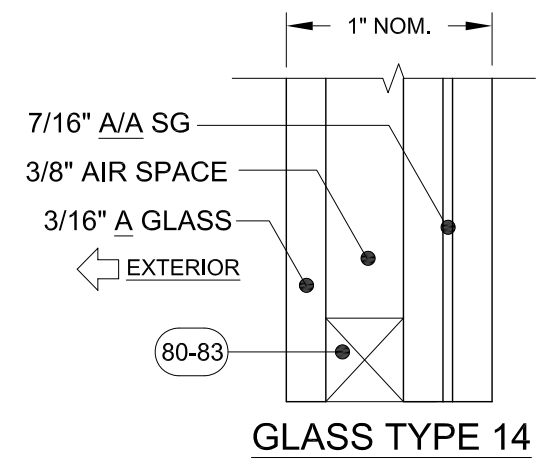
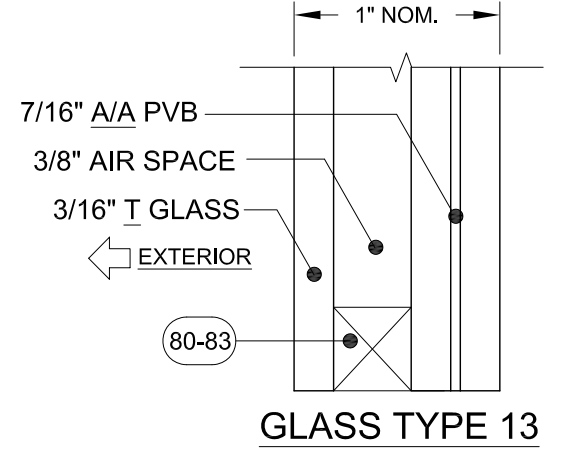
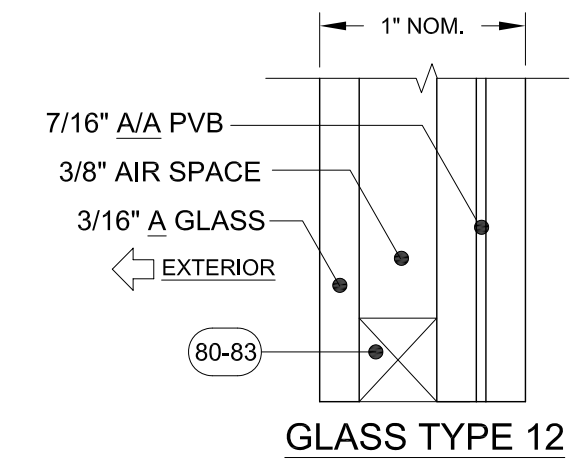
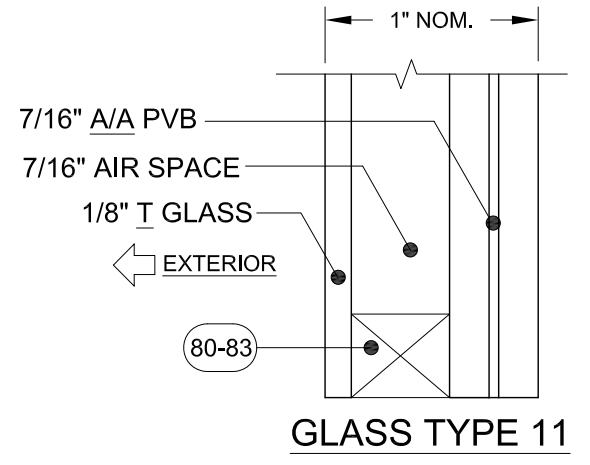
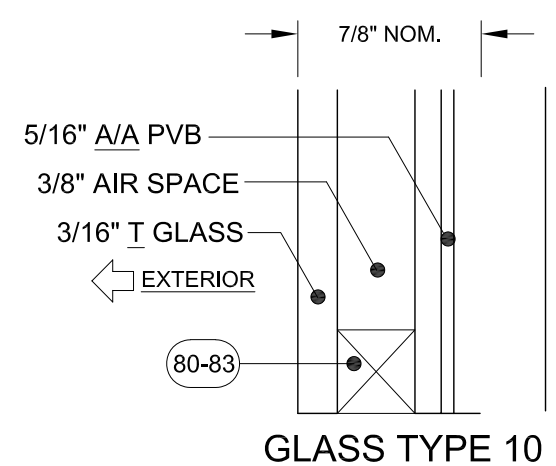
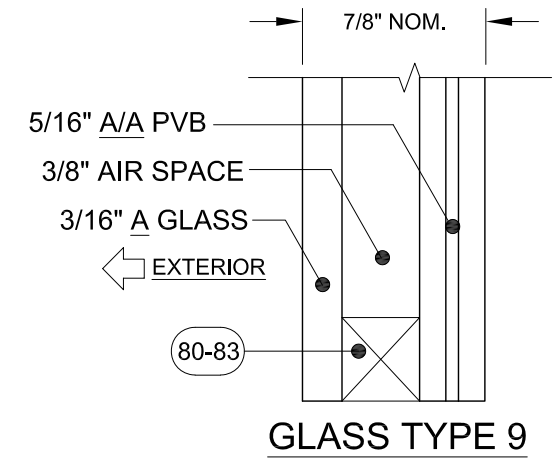
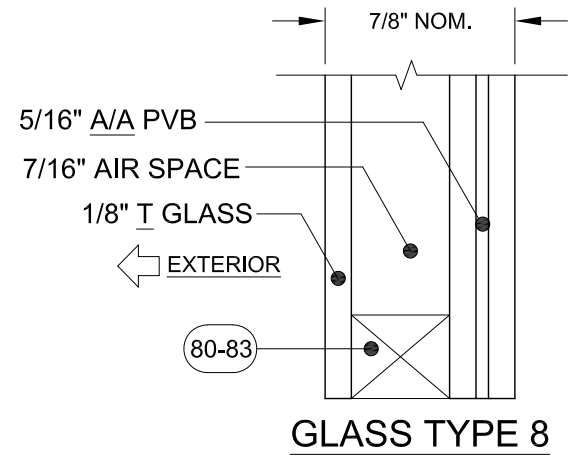
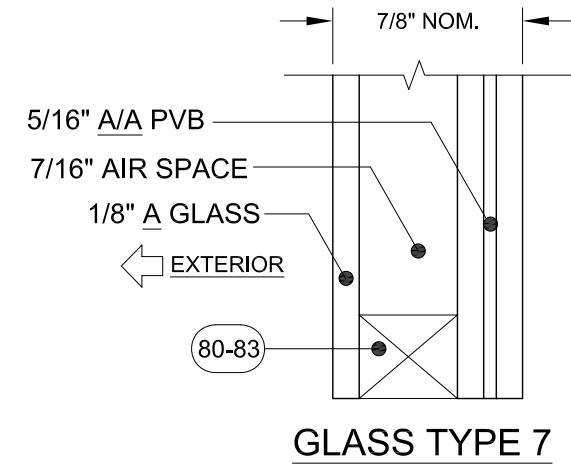
REFER TO SHEET 5 FOR THROUGH-FRAME ANCHORAGE AND THIS SHEET FOR NAIL FIN ANCHORAGE DETAILS TYP. AT ALL FRAME ASSEMBLY TUBE ENDS BOTH HORIZONTAL AND VERTICAL



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PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	
Series	PW-5540	Sheet	6 OF 13
Rev	Rev Date	Drawn By	J. ROSOWSKI
Desc.	VINYL FIXED CASEMENT WINDOW NOA (LM)		Date 9/9/14
FRAME ASSEMBLY TUBE DETAILS B		D) NO CHANGES THIS SHEET. SB	
MD-5540.0		Rev. D	





GLAZING NOTES:
"A" = ANNEALED
"H" = HEAT STRENGTHENED
"T" = TEMPERED
"PVB" = .090" TROSIFOL® PVB
BY KURARAY AMERICA, INC.
"SG" = .090" SENTRYGLAS® INTERLAYER BY KURARAY
AMERICA, INC.
1) FOR LAMINATED GLAZING COMPONENTS, SEE
TABLE 1, SHEET 2.

GLASS TYPES 14 THROUGH
17 MAY NOT BE USED WITH
J-CHANNEL OR INTEGRAL
FIN FRAMES

GLASS TYPES 7, 9, 12, & 14
MAY NOT BE USED IN THE
HVHZ ABOVE 30'.

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PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	
Series	Rev	Desc.	Title
PW-5540	7	OF 13	DWG No. MD-5540.0
D) NO CHANGES THIS SHEET. - SB		Rev Date	07/31/23
J. ROSOWSKI		Drawn By	
VINYL FIXED CASEMENT WINDOW NOA (LM)		Date	9/9/14
GLAZING DETAILS			

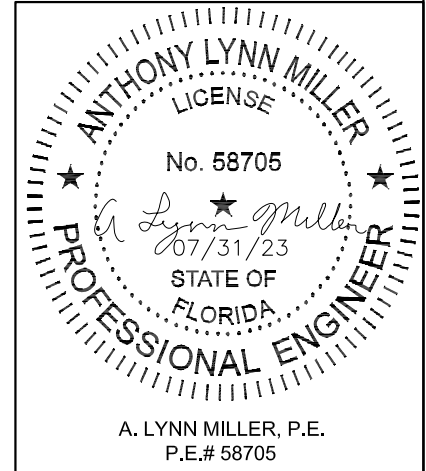


TABLE 4:

Window Design Pressure, (+/- psf)												Use this table for Glass Type:	7
1/8" A Cap - Airspace - 5/16" A/A with PVB													
Window Dimensions		Long Side (in)											
		51.05	54	56	58	62	64	68	72	76	80	84	87
Short Side (in)	18	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50
	20	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50
	22	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50
	24	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50
	26	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50
	28	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50
	30	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	
	32	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
	34	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50			
	36	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
	38	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50					
	40	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50						
	42	+/-50	+/-50	+/-50	+/-50	+/-50							
	44	+/-50	+/-50	+/-50	+/-50								
	46	+/-50	+/-50	+/-50									
	48	+/-50	+/-50										
	51.05	+/-50											
								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"			

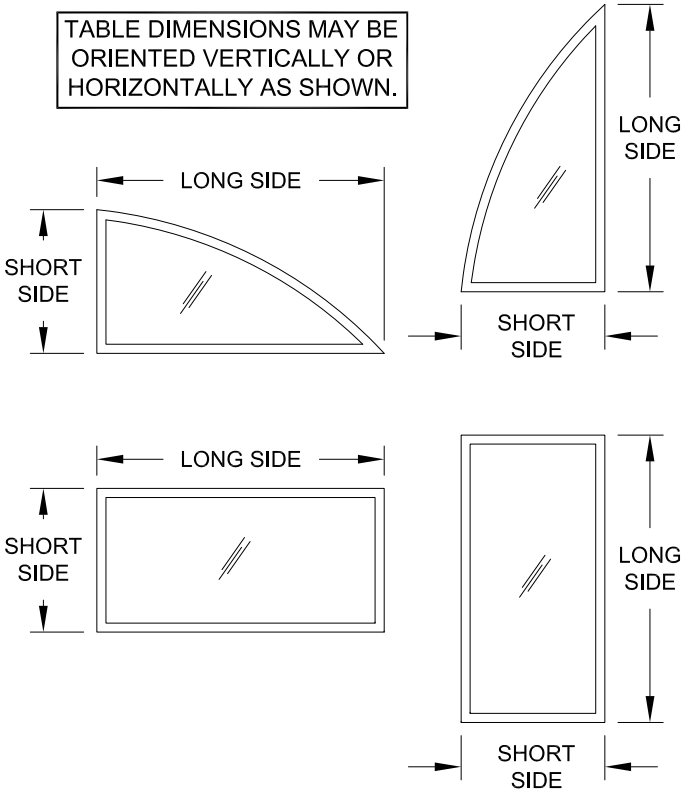


TABLE 5:

Window Design Pressure, (+/- psf)													Use this table for Glass Type:	8
1/8" T Cap - Airspace - 5/16" A/A with PVB														
Window Dimensions		Long Side (in)												
		60.926	64	66	68	70	74	77	80	84	87	92	97	99
Short Side (in)	32	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50
	34	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-47.3	+/-46.7
	36	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-47.5	+/-45.4	+/-44.6
	38	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-49.1	+/-46.1	+/-43.9	
	40	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-48.2	+/-45.1		
	42	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-49.8	+/-47.4			
	44	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-48.9				
	46	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-49.9					
	48	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50						
	50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		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	+/-50	+/-50	+/-50	+/-50	+/-50								
	54	+/-50	+/-50	+/-50	+/-50				APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)		APPLIES TO E OR F ANCHORS (SEE TABLE 3)			
	56	+/-50	+/-50	+/-50										
	58	+/-50	+/-50						15"		3.5" FOR E ANCHORS, 4" FOR F ANCHORS			
	60.926	+/-50												

- 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. **23-0816.04**
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
09/9/14

BY
J. ROSOWSKI

DRAWN
J. ROSOWSKI

NO. 8 OF 13

SHEET
PW-5540

REV. D

MD-5540.0

VINYL FIXED CASEMENT WINDOW NOA (LM)

DESIGN PRESSURE TABLES A

Series
PW-5540

Desc.
VINYL FIXED CASEMENT WINDOW NOA (LM)

Title
DESIGN PRESSURE TABLES A

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 Types:	9 & 10		
3/16" A Cap - Airspace - 5/16" A/A with PVB																
3/16" T Cap - Airspace - 5/16" A/A with PVB																
Window Dimensions		Long Side (in)														
		60.926	64	66	68	70	74	77	80	84	87	92	97	99		
Short Side (in)	32	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
	34	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
	36	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
	38	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50			
	40	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
	42	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50					
	44	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50						
	46	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50							
	48	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50								
	50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		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	+/-50	+/-50	+/-50	+/-50	+/-50										
	54	+/-50	+/-50	+/-50	+/-50				APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)						APPLIES TO E OR F ANCHORS (SEE TABLE 3)	
	56	+/-50	+/-50	+/-50												
	58	+/-50	+/-50						15"						3.5" FOR E ANCHORS, 4" FOR F ANCHORS	
	60.926	+/-50														

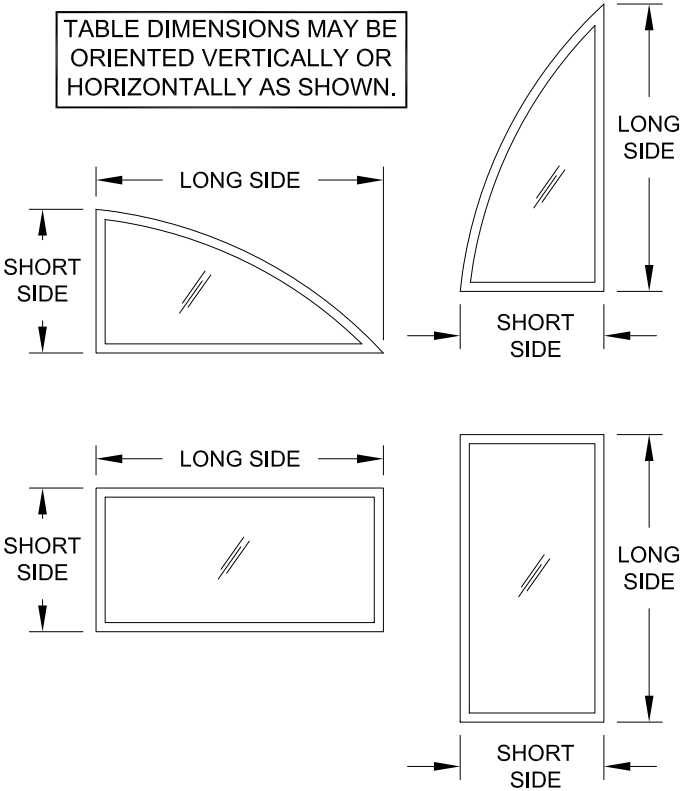


TABLE 7:

Window Design Pressure, (+/- psf)													Use this table for Glass Type:	11
1/8" T Cap - Airspace - 7/16" A/A with PVB														
Window Dimensions		Long Side (in)												
		60.926	64	66	68	70	74	77	80	84	87	92	97	99
Short Side (in)	32	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	34	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	36	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	38	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
	40	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
	42	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70			
	44	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70				
	46	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70					
	48	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70						
	50	+/-70	+/-70	+/-70	+/-70	+/-70	+/-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	+/-70	+/-70	+/-70	+/-70	+/-70								
	54	+/-70	+/-70	+/-70	+/-70				APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)			APPLIES TO F ANCHORS (SEE TABLE 3)		
	56	+/-70	+/-70	+/-70										
	58	+/-70	+/-70						15.5"			4"		
	60.926	+/-70												

- 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. **23-0816.04**
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

09/9/14

Date

J. ROSOWSKI

By

MD-5540.0

Rev.

9 OF 13

DWG No.

PW-5540

Sheet

VINYL FIXED CASEMENT WINDOW NOA (LM)

DESIGN PRESSURE TABLES B

PW-5540

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 Types:	12
3/16" A Cap - Airspace - 7/16" A/A with PVB													
Window Dimensions		Long Side (in)											
		69.649	71	73	75	78	80	85	86	89	92	96	99
Short Side (in)	32	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	34	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	36	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	38	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	40	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	42	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.5	+/-66.7
	44	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.9	+/-66.4	+/-63.7
	46	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.9	+/-67.4	+/-63.9	+/-61.7
	48	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-67.8	+/-65.3	+/-61.9	+/-59.7
	50	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.5	+/-68.5	+/-65.9	+/-63.4	+/-59.9	
	52	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-67.8	+/-66.9	+/-64.2	+/-61.6		
	54	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-66.2	+/-65.3	+/-62.5			
	56	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.2	+/-64.7	+/-63.8				
	57	+/-70	+/-70	+/-70	+/-70	+/-69.8	+/-68.1	+/-64					
	60	+/-70	+/-70	+/-70	+/-69.7	+/-67	+/-65.3	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	+/-70	+/-70	+/-69.9	+/-67.9	+/-65.2							
	64	+/-70	+/-70	+/-68.3	+/-66.3			APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)				APPLIES TO F ANCHORS (SEE TABLE 3)	
	66	+/-69.9	+/-68.9	+/-66.7									
68	+/-68.4	+/-67.4					15.5"				4"		
69.649	+/-67.1												

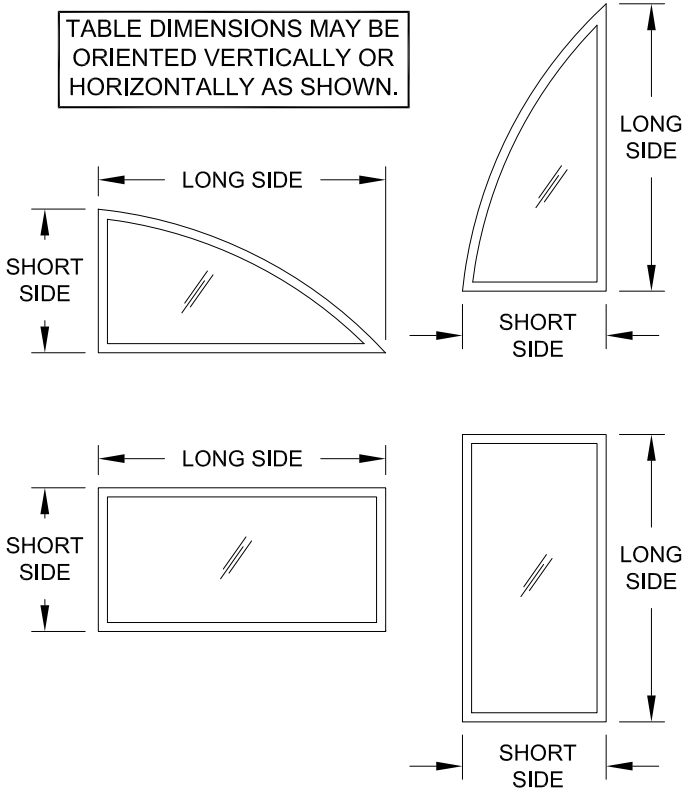


TABLE 9:

Window Design Pressure, (+/- psf)												Use this table for Glass Type:	13
3/16" T Cap - Airspace - 7/16" A/A with PVB													
Window Dimensions		Long Side (in)											
		69.649	71	73	75	78	80	85	86	89	92	96	99
Short Side (in)	32	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	34	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	36	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	38	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	40	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	42	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	44	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	46	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-68.6
	48	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-68.8	+/-66.3
	50	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-66.6	
	52	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-68.5		
	54	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.5			
	56	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70				
	57	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70					
	60	+/-70	+/-70	+/-70	+/-70	+/-70	+/-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		
	62	+/-70	+/-70	+/-70	+/-70	+/-70							
	64	+/-70	+/-70	+/-70	+/-70	APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)			APPLIES TO F ANCHORS (SEE TABLE 3)				
	66	+/-70	+/-70	+/-70									
	68	+/-70	+/-70	15.5"			3.9"						
	69.649	+/-70											

- 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. **23-0816.04**
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 (LM) 09/9/14

J. ROSOWSKI

D

Rev.

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DWG

10 OF 13

Sheet

PW-5540

Series

Desc.

Title

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

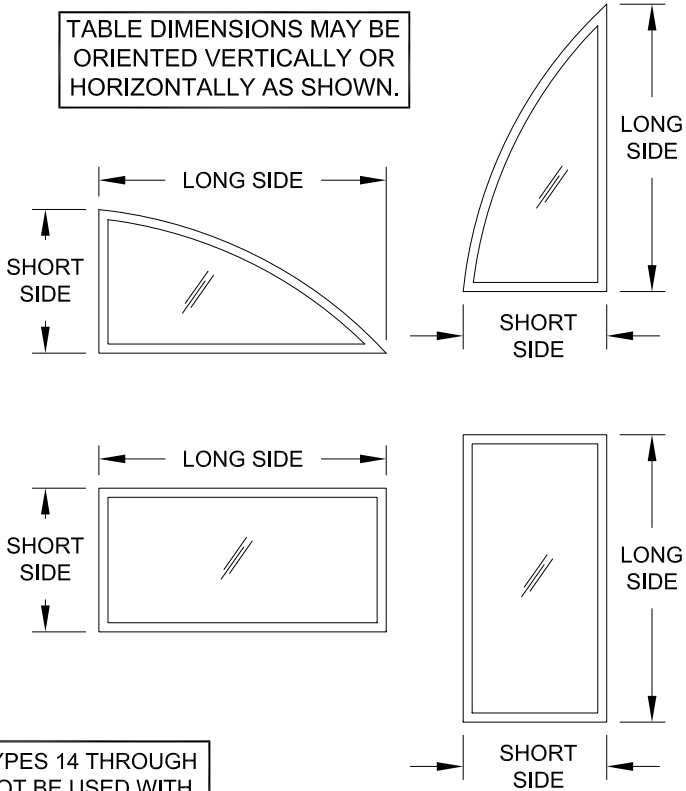
ANTHONY LYNN MILLER
LICENSE
No. 58705
07/31/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 10:

Window Design Pressure, (+/- psf)												Use this table for Glass Type:	14
3/16" A Cap - Airspace - 7/16" A/A with SG													
Window Dimensions		Long Side (in)											
		69.649	71	73	75	78	80	85	86	89	92	96	99
Short Side (in)	32	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110
	34	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-109.4	+80/-108.3	+80/-107.6
	36	+80/-110	+80/-110	+80/-110	+80/-110	+80/-109.5	+80/-108.6	+80/-106.8	+80/-106.5	+80/-105.5	+80/-104.7	+80/-103.6	+80/-102.9
	38	+80/-109.7	+80/-108.9	+80/-107.8	+80/-106.8	+80/-105.5	+80/-104.6	+80/-102.7	+80/-102.4	+80/-101.4	+80/-100.5	+80/-99.4	+80/-98.7
	40	+80/-106.3	+80/-105.5	+80/-104.4	+80/-103.3	+80/-101.9	+80/-101	+80/-99.1	+80/-98.7	+80/-97.7	+80/-96.8	+80/-95.7	+80/-95
	42	+80/-103.3	+80/-102.5	+80/-101.3	+80/-100.2	+80/-98.8	+80/-97.9	+80/-95.8	+80/-95.5	+80/-94.5	+80/-93.5	+80/-92.4	+80/-90.7
	44	+80/-100.7	+80/-99.8	+80/-98.6	+80/-97.5	+80/-96	+80/-95	+80/-92.9	+80/-92.6	+80/-91.5	+80/-90.4	+80/-87.1	+80/-84.7
	46	+80/-98.4	+80/-97.5	+80/-96.2	+80/-95	+80/-93.4	+80/-92.5	+80/-90.3	+80/-89.9	+80/-88.1	+80/-85.5	+80/-83.1	+80/-81.6
	48	+80/-96.3	+80/-95.4	+80/-94.1	+80/-92.9	+80/-91.2	+80/-90.2	+80/-88	+80/-87.6	+80/-84.6	+80/-82.6	+80/-80.2	+/-78.6
	50	+80/-94.6	+80/-93.6	+80/-92.2	+80/-90.9	+80/-89.2	+80/-88.2	+80/-85.4	+80/-84.5	+80/-82.4	+80/-80.2	+/-77.6	
	52	+80/-93	+80/-92	+80/-90.5	+80/-89.2	+80/-87.4	+80/-86.4	+80/-83.3	+80/-82.5	+80/-80.2	+/-78		
	54	+80/-91.7	+80/-90.6	+80/-89.1	+80/-87.7	+80/-85.8	+80/-84.7	+80/-81.3	+80/-80.4	+/-78.1			
	56	+80/-90.5	+80/-89.4	+80/-87.8	+80/-86.4	+80/-84.4	+80/-83.2	+/-79.3	+/-78.5				
	57	+80/-90	+80/-88.8	+80/-87.2	+80/-85.8	+80/-83.4	+80/-82	+/-78.4					
	60	+80/-87.2	+80/-86	+80/-84	+80/-82.5	+80/-80.1	+/-78.6	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			
	62	+80/-84.6	+80/-83.8	+80/-82.1	+80/-80.4	+/-78							
	64	+80/-82.9	+80/-82	+80/-80.1	+/-78.4			APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)		NOT APPLICABLE			
	66	+80/-81.1	+80/-80.1	+/-78.3									
	68	+/-79.3	+/-78.4					13.2"					
	69.649	+/-77.7											

TABLE 11:

Window Design Pressure, (+/- psf)													Use this table for Glass Type:	15
3/16" T Cap - Airspace - 7/16" A/A with SG														
Window Dimensions		Long Side (in)												
		77.76	79	81	83	86	87	91	94	96	99	104	107	111
Short Side (in)	36	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110
	40	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-109.9	+80/-108.5	+80/-107.5	+80/-106.9	+80/-106.1	+80/-104.8	+80/-104.1	+80/-103.3
	42	+80/-110	+80/-109.8	+80/-108.8	+80/-107.9	+80/-106.7	+80/-106.3	+80/-104.8	+80/-103.8	+80/-103.2	+80/-100.8	+80/-97.7	+80/-96.4	+80/-94.8
	44	+80/-107.3	+80/-106.7	+80/-105.7	+80/-104.7	+80/-103.4	+80/-103	+80/-101.4	+80/-98.6	+80/-96.7	+80/-94.1	+80/-91.4	+80/-90.3	+80/-89.2
	48	+80/-102	+80/-101.3	+80/-100.3	+80/-99.2	+80/-97.3	+80/-96.2	+80/-92.5	+80/-90.4	+80/-89.2	+80/-87.3	+80/-84.4	+80/-82.7	+80/-80.5
	50	+80/-99.8	+80/-99.1	+80/-98	+80/-96.9	+80/-93.9	+80/-93.1	+80/-89.9	+80/-87.7	+80/-86.2	+80/-84.3	+80/-81.1	+/-79.3	+/-77
	51	+80/-98.8	+80/-98	+80/-96.9	+80/-95.8	+80/-92.8	+80/-92	+80/-88.7	+80/-86.4	+80/-85	+80/-82.8	+/-79.6	+/-77.7	+/-75.3
	54	+80/-96.1	+80/-95.3	+80/-94	+80/-92.1	+80/-89.4	+80/-88.5	+80/-85.1	+80/-82.7	+80/-81.1	+/-78.9	+/-75.3	+/-73.2	+/-70.6
	56	+80/-94	+80/-93.2	+80/-91.6	+80/-90.1	+80/-87.2	+80/-86.3	+80/-82.8	+80/-80.2	+/-78.6	+/-76.3	+/-72.5	+/-70.5	
	58	+80/-91.4	+80/-90.6	+80/-89	+80/-87.5	+80/-85.1	+80/-84.2	+80/-80.6	+/-78	+/-76.3	+/-73.8	+/-70.2		
	61	+80/-87.8	+80/-87	+80/-85.3	+80/-83.6	+80/-81.2	+80/-80.5	+/-77.3	+/-74.6	+/-72.8	+/-70.4			
	63	+80/-85.5	+80/-84.6	+80/-82.8	+80/-81.1	+/-78.8	+/-78	+/-74.8	+/-72.3	+/-70.6				
	64	+80/-84.4	+80/-83.5	+80/-81.7	+/-80	+/-77.5	+/-76.6	+/-73.5	+/-71.2					
	66	+80/-82.2	+80/-81.2	+/-79.4	+/-77.6	+/-75	+/-74.2	+/-71						
	68	+/-80	+/-79.1	+/-77.2	+/-75.4	+/-72.7	+/-71.9		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		
	70	+/-78	+/-77.1	+/-75	+/-73.2	+/-70.5								
	72	+/-76	+/-75	+/-73	+/-71.1				APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)			NOT APPLICABLE		
74	+/-74.1	+/-73	+/-71											
76	+/-72.2	+/-71.1						13.2"						
77.76	+/-70.5													



GLASS TYPES 14 THROUGH 17 MAY NOT BE USED WITH J-CHANNEL OR INTEGRAL FIN FRAMES.

ALLOWABLE ANCHOR GROUPS PER SHEET 2	MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEET 3
B, C OR D	13.2"

- 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. **23-0816.04**
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	09/9/14	J. ROSOWSKI	D
PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	VINYL FIXED CASEMENT WINDOW NOA (LM)	DESIGN PRESSURE TABLES D	PW-5540	11 OF 13

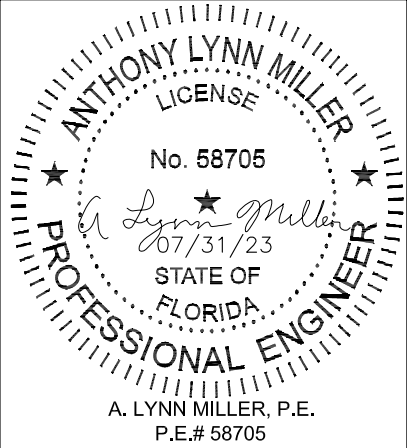


TABLE 12:

Window Design Pressure, (+/- psf)													Use this table for Glass Type:	16
1/8" T Cap - Airspace - 7/16" H/H with SG														
Window Dimensions		Long Side (in)												
		60.926	64	66	68	70	74	77	80	84	87	92	97	99
Short Side (in)	32	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110
	34	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110
	36	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110
	38	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	
	40	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110		
	42	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110			
	44	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110				
	46	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110					
	48	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
	50	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110		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	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110								
	54	+80/-110	+80/-110	+80/-110	+80/-110				APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)			NOT APPLICABLE		
	56	+80/-110	+80/-110	+80/-110										
	58	+80/-110	+80/-110						11.8"					
	60.926	+80/-110												

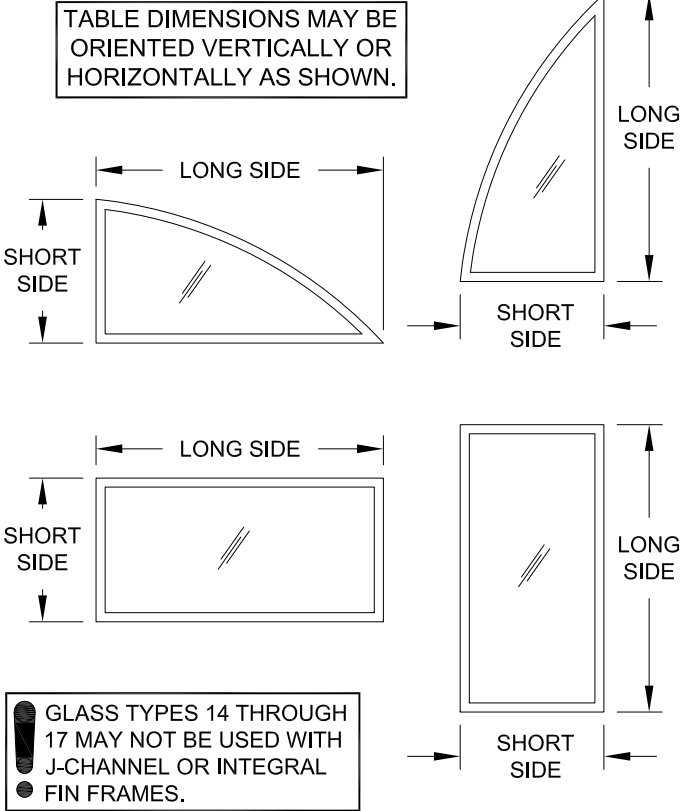


TABLE 13:

Window Design Pressure, (+/- psf)																		Use this table for Glass Type:	17
3/16" T Cap - Airspace - 7/16" H/H with SG																			
Window Dimensions		Long Side (in)																	
		77.76	79	81	83	86	87	91	94	96	99	104	107	111	118	120	125	136	144
Short Side (in)	36	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110
	40	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110
	42	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110
	44	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110
	48	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110		
	50	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110			
	51	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110				
	54	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110					
	56	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
	58	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110							
	61	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110								
	63	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110									
	64	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110										
	66	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110											
	68	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110												
	70	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110									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		
	72	+80/-110	+80/-110	+80/-110	+80/-110										APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)		NOT APPLICABLE		
	74	+80/-110	+80/-110	+80/-110															
	76	+80/-110	+80/-110																
	77.76	+80/-110													9"				

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)	NOT APPLICABLE
9"	

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. **23-0816.04**
Expiration Date: **09/24/2025**
By: *Manuel Lopez*
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

PGT

Custom Windows and Doors

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

VINYL FIXED CASEMENT WINDOW NOA (LM)

DESIGN PRESSURE TABLES E

09/9/14

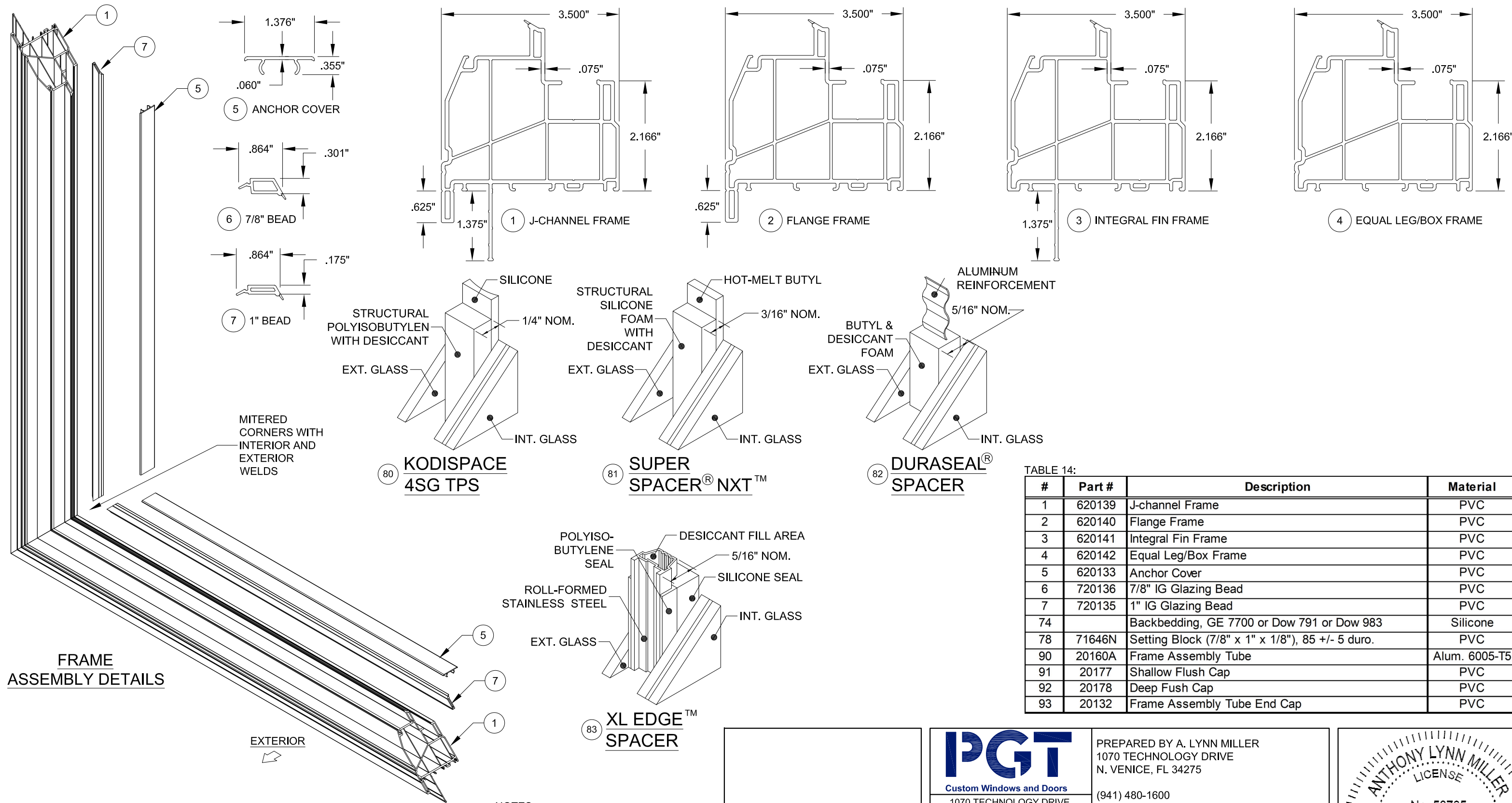
J. ROSOWSKI

MD-5540.0

12 OF 13

PW-5540

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 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.
4) PVC BY VISION EXTRUSION TO BE LABELED FOR AAMA EXTRUDER CODE.

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-0816.04**
Expiration Date: **09/24/2025**
By: *Manuel Perez*
Miami-Dade Product Control

PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	
Rev	Desc.	Title	Date
		VINYL FIXED CASEMENT WINDOW NOA (LM)	9/9/14
		BOM & ASSEMBLY	
		D) CHANGE EXTRUDER AT NOTE 4 TO VISION. SB	
Series	PW-5540	Sheet	13 OF 13
DWG No.	MD-5540.0	Rev.	D

TABLE 14:

#	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

