



**DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

PGT Industries, Inc.
1070 Technology Drive
North Venice, FL 34275

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "PW-5520 Vinyl" PVC Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **MD-5520.0** titled "Vinyl Fixed Window NOA (LM&SM)", sheets 1 through 11 of 11, dated 09/09/14, with revision A dated 06/08/16, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: 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# 14-0930.25 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



MP
7/29/16

NOA No. 16-0629.12
Expiration Date: April 30, 2020
Approval Date: August 04, 2016
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 14-0930.25)
2. Drawing No. **MD-5520.0** titled "Vinyl Fixed Window NOA (LM&SM)", sheets 1 through 11 of 11, dated 09/09/14, with revision A dated 06/08/16, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a PVC sliding glass door, a PVC fixed window and an aluminum sliding glass door, using: Kodispace 4SG TPS spacer system, Duraseal® spacer system, Super Spacer® NXT™ spacer system and XL Edge™ spacer system at insulated glass, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-8717**, **FTL-8968** and **FTL-8970**, dated 11/16/15, 06/07/16 and 06/02/16 respectively, all signed and sealed by Idalmis Ortega, P.E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) 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 previous NOA No. 14-0930.25)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)**, dated 09/18/14 and 04/07/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under previous NOA No. 14-0930.25)
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. 16-0629.12

Expiration Date: April 30, 2020

Approval Date: August 04, 2016

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their **"DuPont Butacite® PVB Interlayer"** dated 04/11/13, expiring on 12/11/16.
2. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their **"DuPont SentryGlas® Interlayer"** dated 08/25/11, expiring on 01/14/17.
3. Notice of Acceptance No. **12-1120.02** issued to Royal Window and Door Profiles, Plant 13 for their **"White Rigid PVC Exterior Extrusions for Windows and Doors"** dated 02/28/13, expiring on 02/28/18.
4. Notice of Acceptance No. **14-0529.13** issued to Royal Window and Door Profiles, Plant 13 for their **"Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors"** dated 04/16/15, expiring on 04/16/20.
5. Notice of Acceptance No. **14-0529.14** issued to Royal Window and Door Profiles, Plant 13 for their **"Performance Core Rigid PVC Exterior Extrusions for Windows and Doors"** dated 04/16/15, expiring on 04/16/20.

E. STATEMENTS

1. Statement letter of conformance, complying with **FBC-2010** and **FBC-5th Edition (2014)**, dated September 27, 2014, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under previous NOA No. 14-0930.25)
2. Statement letter of no financial interest, dated September 27, 2014, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under previous NOA No. 14-0930.25)
3. Proposal issued by Product Control, dated 6/26/14, signed by Jaime Gascon, P.E. Supervisor, Product Control Section.
(Submitted under previous NOA No. 14-0930.25)
4. Proposal No. **16-0125** issued by the Product Control Section, dated March 09, 2016, signed by Ishaq Chanda, P.E.

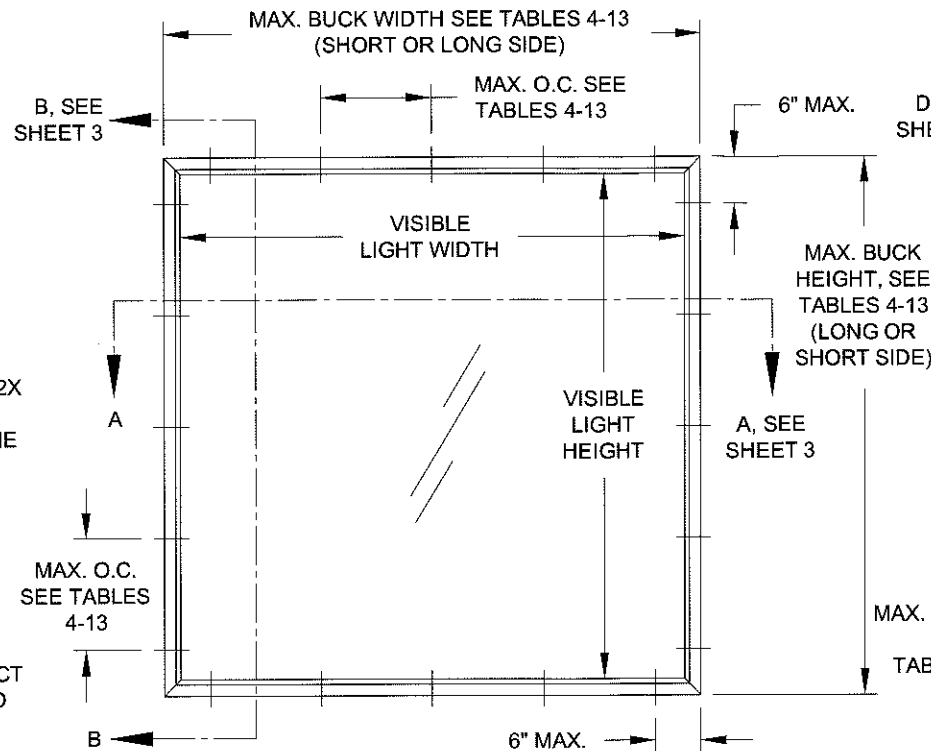
G. OTHERS

1. Notice of Acceptance No. **14-0930.25**, issued to PGT Industries, Inc. for their Series "PW-5520 Vinyl" PVC Fixed Window – L.M.I. approved on 04/30/15 and expiring on 04/30/20.

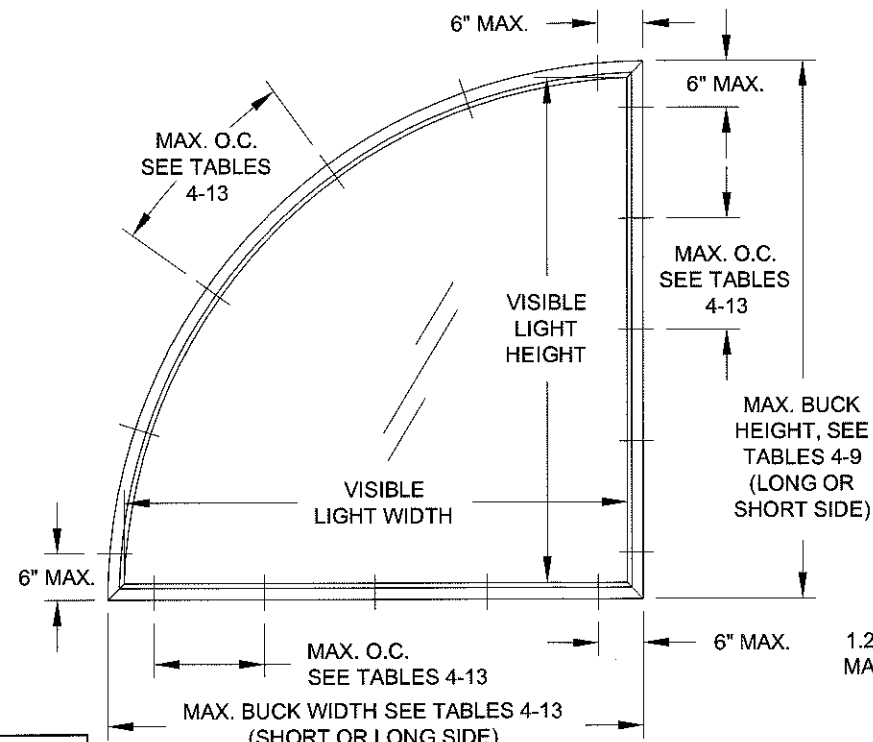

Manuel Perez, P.E.
Product Control Examiner
NOA No. 16-0629.12
Expiration Date: April 30, 2020
Approval Date: August 04, 2016

GENERAL NOTES: SERIES 5520
IMPACT RESISTANT, VINYL FIXED 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 TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD, (AOR).
- 5) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE EMBEDMENT. INSTALLATION ANCHORS SHOULD BE SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- 6) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.
- 7) DESIGN PRESSURES:
A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL/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.
- 8) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED 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; ELCO ULTRACON NOA; ELCO CRETEFLEX NOA; ELCO AGGRE-GATOR NOA; ROYAL WINDOW AND DOOR PROFILES, LTD WHITE & BRONZE/LIGHTER SHADES OF CAP COATED PVC EXTRUSION NOA'S; NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, ANSI/AF&PA NDS & ALUMINUM DESIGN MANUAL
- 11) "PVB" = .090" BUTACITE® PVB BY KURARAY AMERICA, INC.
"SG" = .090" SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC.

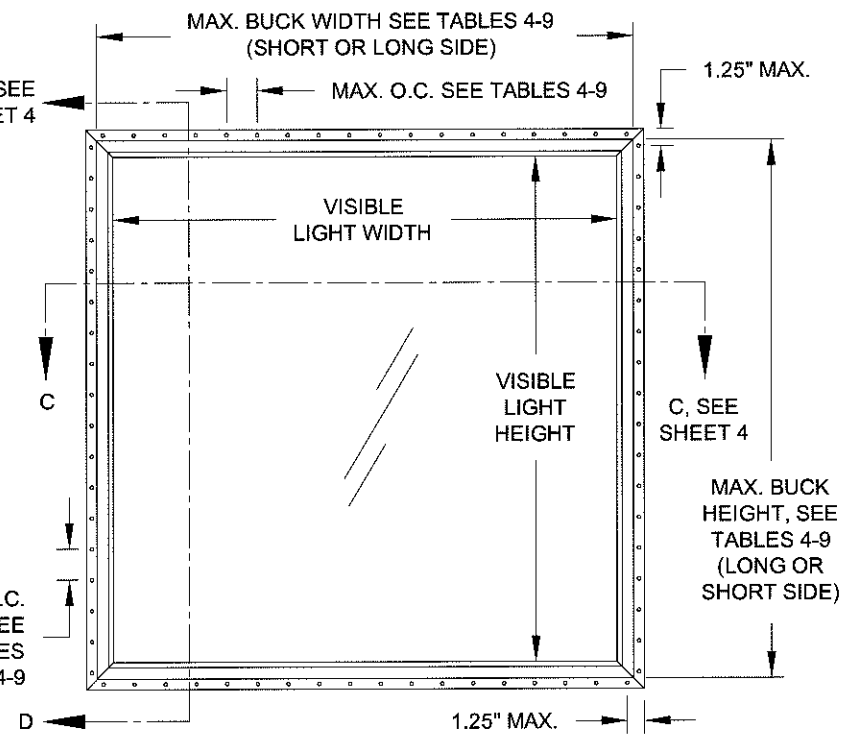


TYP. EQUAL-LEG/BOX &
FLANGE FRAME (90° CORNERS)

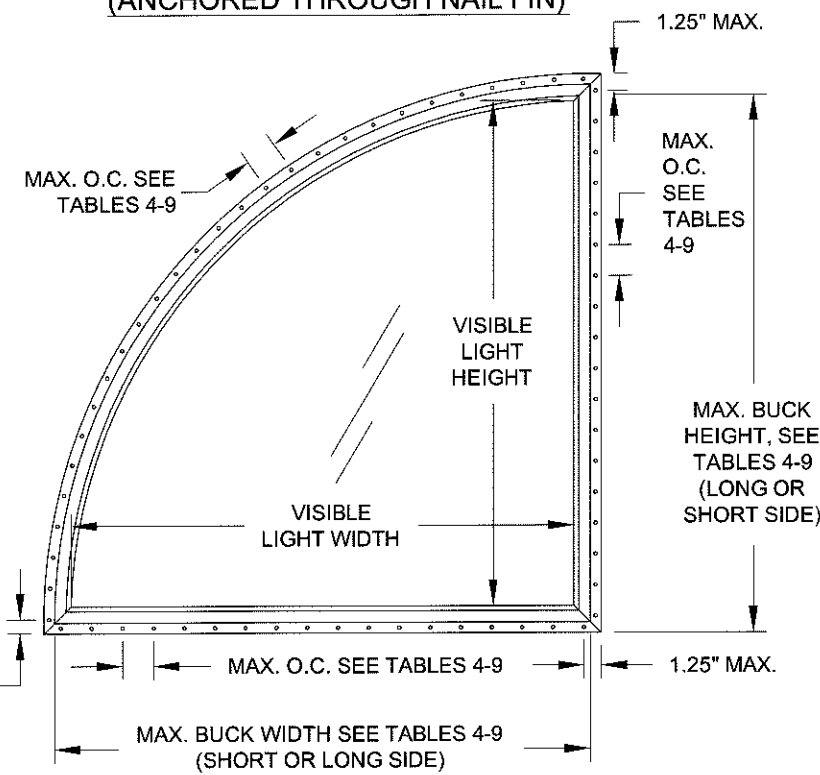


TYP. EQUAL-LEG/BOX &
FLANGE FRAME (CURVED
OR ANGLED CORNERS)

IMPACT RATING	DESIGN PRESSURE RATING
LARGE & SMALL MISSILE IMPACT RESISTANT	VARIES PER GLASS TYPE, SEE TABLES 4-13, SHEETS 6-10



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



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

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

VISIBLE LIGHT FORMULAS

WIDTH: BUCK WIDTH - 4-3/16"
HEIGHT: BUCK HEIGHT - 4-3/16"

STANDARDS USED:

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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0629-12
Expiration Date April 30, 2020
By *Manuel Perez*
1. Term Date Product Control

Rev. 1 JR - 05/05/16 - ADDED SPACERS
TO SHEET 11.

1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274 (941)-480-1600	9/9/14 Date	J ROSOWSKI By	MD-5520.0 Rev.	A
VINYL FIXED WINDOW NOA (LM&SM) CERT. OF AUTH. #29296		GENERAL NOTES & ELEVATION	1 OF 11 Sheet	NTS
PW-5520 Series			Scale	

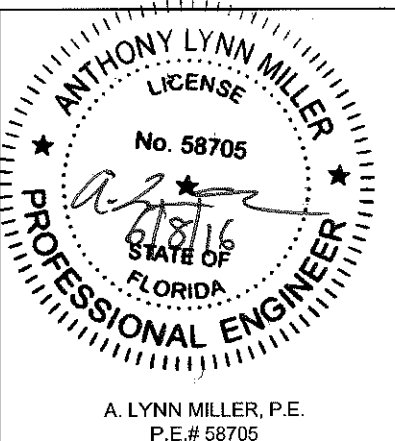


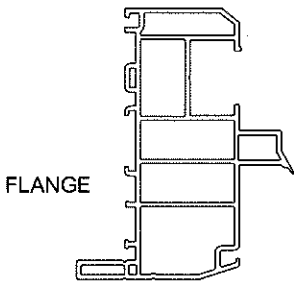
TABLE 1:

Glass Type	Description	Table #
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	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
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
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
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
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
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
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
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
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
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

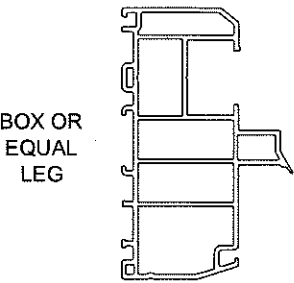
"A" = ANNEALED
"H" = HEAT STRENGTHENED
"T" = TEMPERED
"PVB" = .090" PVB INTERLAYER
"SG" = .090" SENTRYGLAS INTERLAYER

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

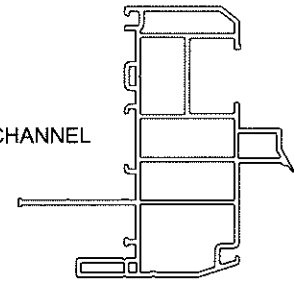
WINDOW FRAMES MAY BE ANY OF THOSE SHOWN BELOW:



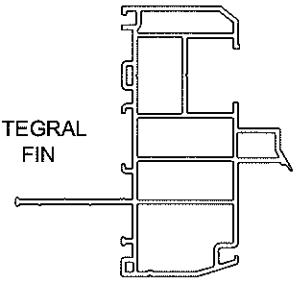
FLANGE



BOX OR
EQUAL
LEG



J-CHANNEL



INTEGRAL
FIN

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

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

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

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 4-13, SHEETS 6-10.

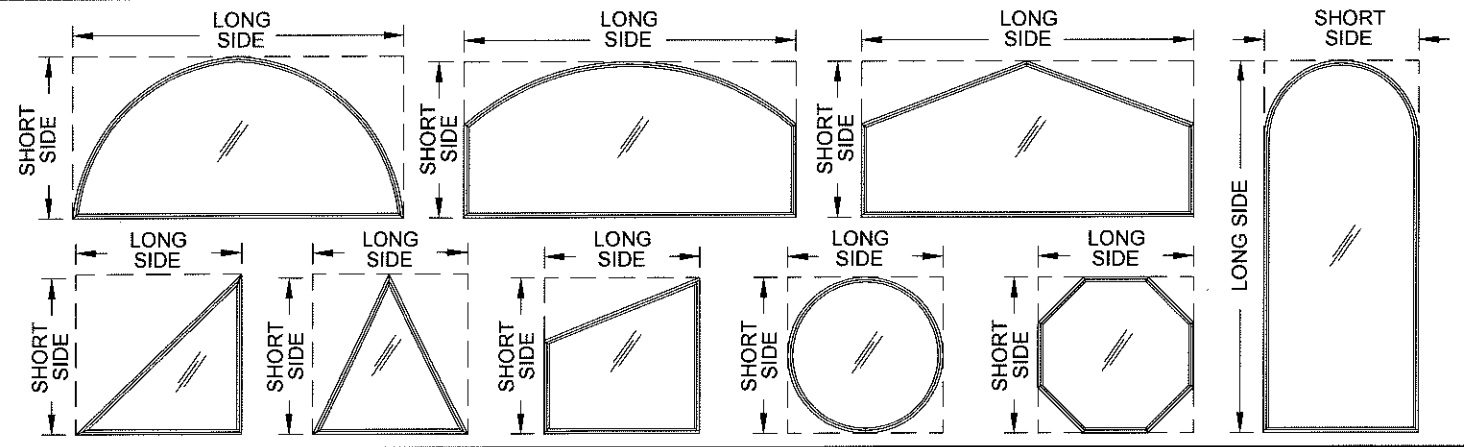
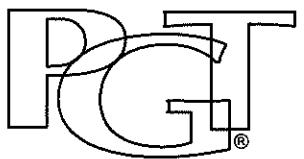


TABLE 3: ANCHORS INSTALLED THROUGH INTEGRAL FIN

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"
		Aluminum, 6063-T5*	3/8"	0.050"
		Steel Stud, Gr. 33*	3/8"	0.0451" (18 Ga.)
	#10 Trusshead SMS (steel, 18-8 S.S. or 410 S.S.)	Steel, A36*	3/8"	0.050"
		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"
G	#12 SMS (steel, 18-8 S.S. or 410 S.S.)	Steel, A36*	3/8"	0.050"
		Steel, A36*	3/8"	0.050"

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



CERT. OF AUTH. #29296

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

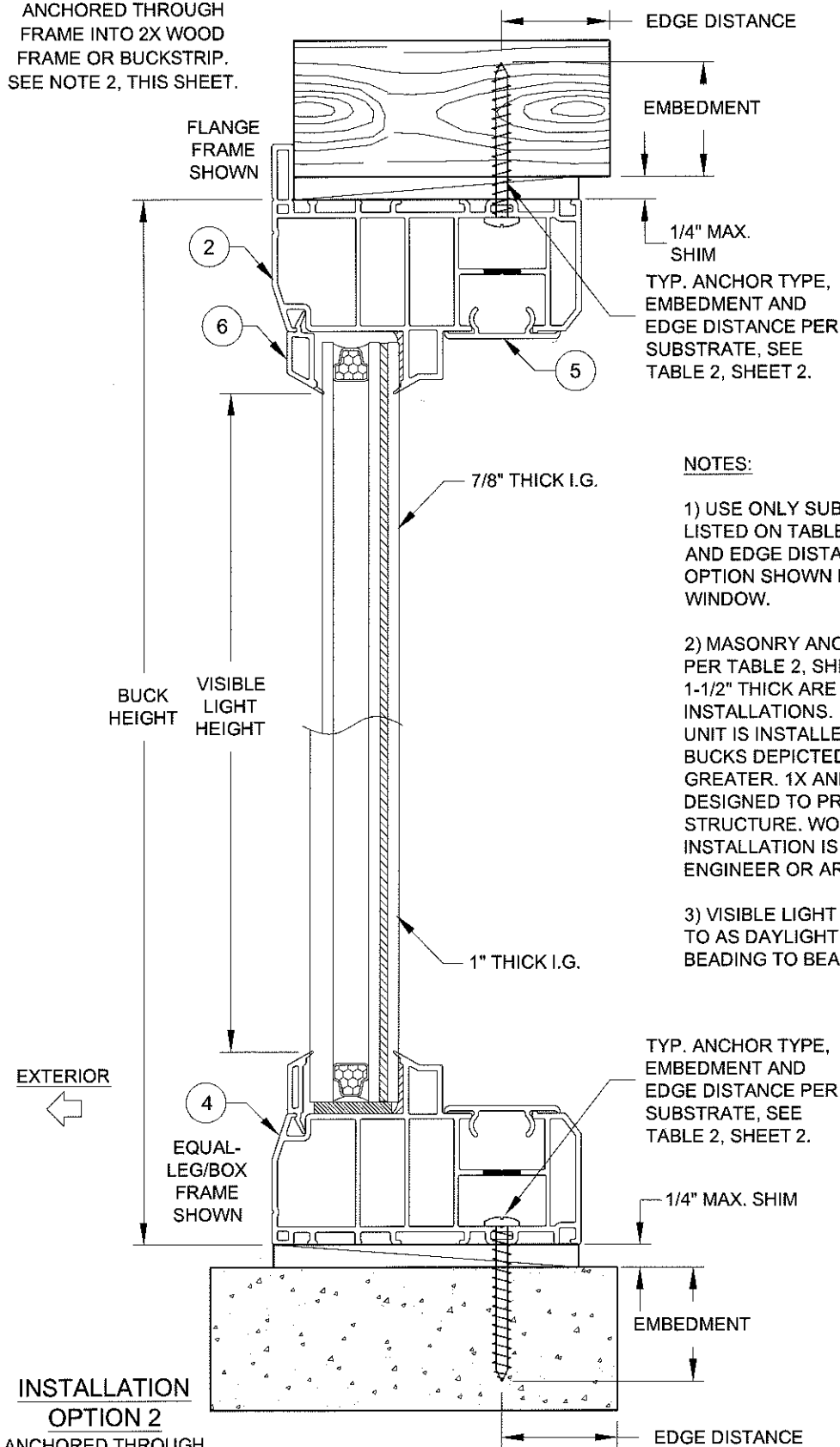
Series	Rev 2	Rev A	Title	DATE
PW-5520	Scale	NTS	VINYL FIXED WINDOW NOA (LM&SM)	9/9/14
Sheet	2 OF 11	DWG. No.	GLASS/ANCHORS/FRAME OPTIONS	MD-5520.0
Rev. No.	A	Drawn By	J ROSOWSKI	

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0629.12
Expiration Date April 30, 2020
By *Manuel Perez*
Miami/Dade Product Control

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.



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

VERTICAL SECTION B-B

VISIBLE LIGHT FORMULAS
WIDTH: BUCK WIDTH - 4-3/16"
HEIGHT: BUCK HEIGHT - 4-3/16"

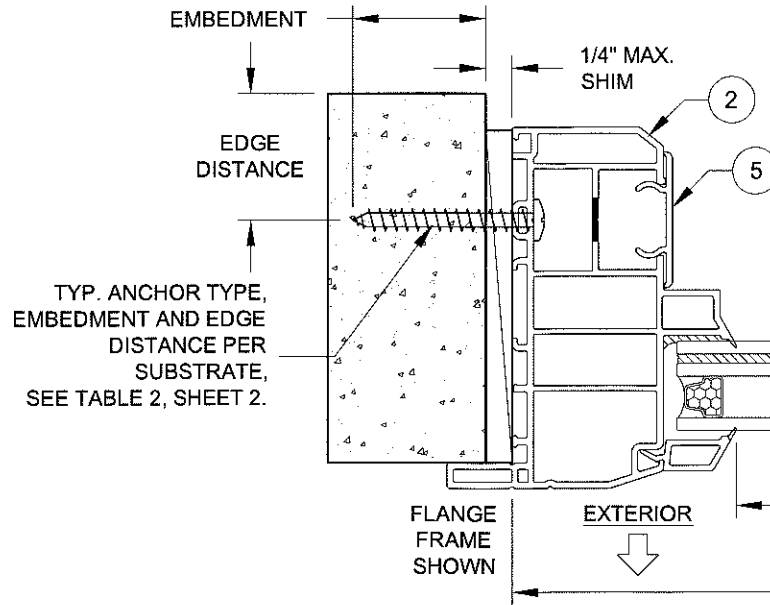
NOTES:

1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 2, SHEET 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.

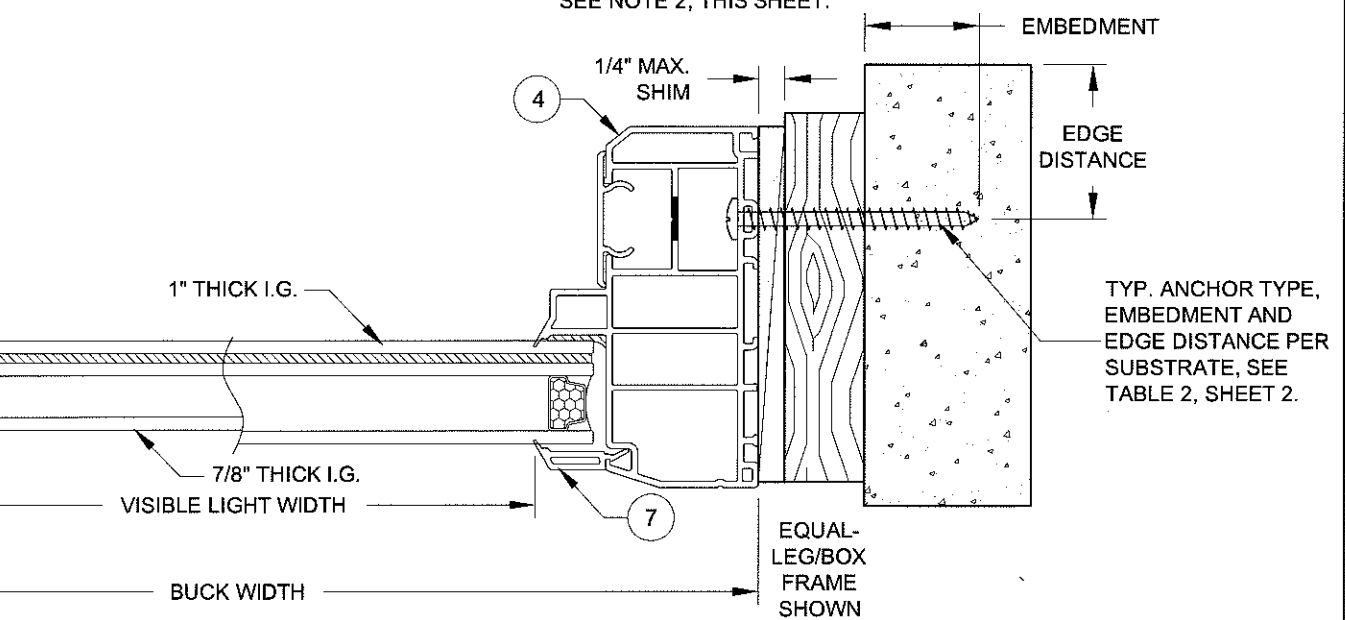
2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 2, SHEET 2. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED 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 2
ANCHORED THROUGH FRAME
DIRECTLY INTO CONCRETE/CMU.

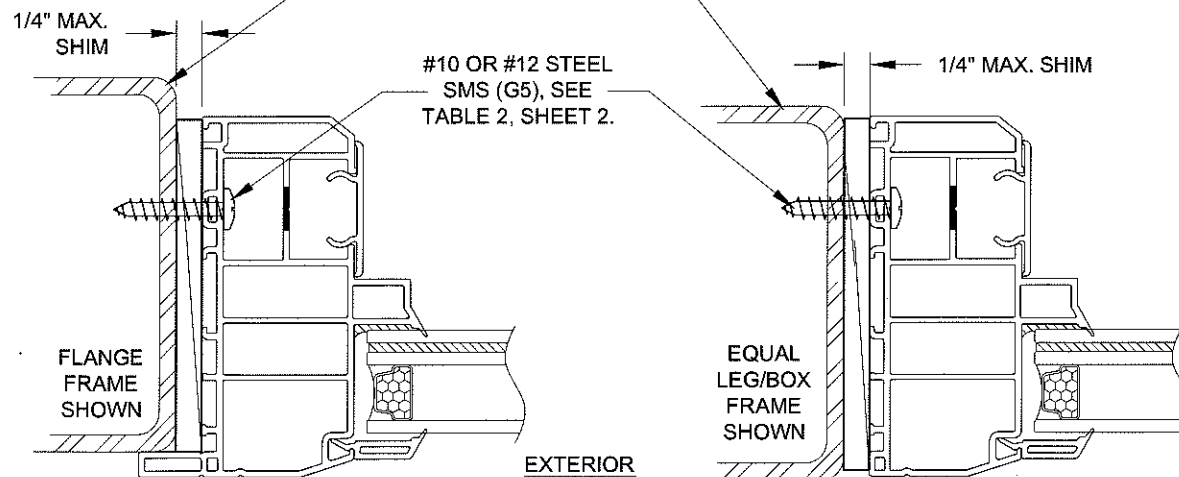


INSTALLATION OPTION 3
ANCHORED THROUGH FRAME AND 1X
BUCKSTRIP INTO CONCRETE/CMU.
SEE NOTE 2, THIS SHEET.



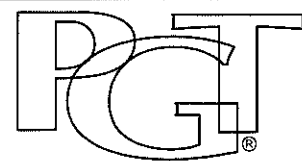
HORIZONTAL SECTION A-A

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



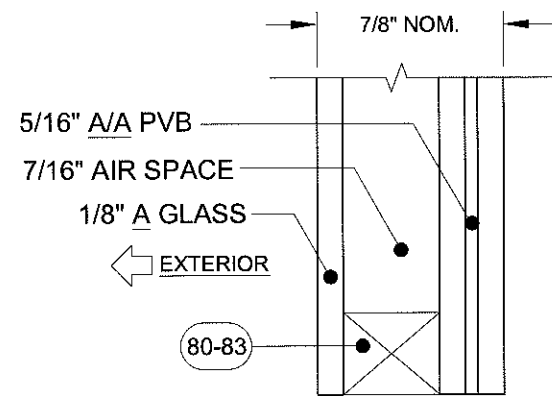
CERT. OF AUTH. #29296

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

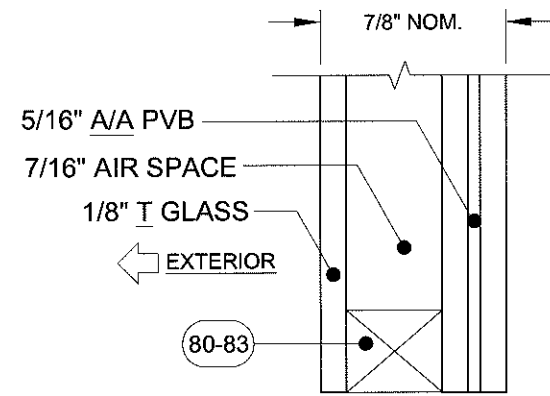
Series	PW-5520	Scale	NTS	Sheet	3 OF 11	DWG. No.	MD-5520.0	Rev. No.	A
Rev 2									
Rev A									
Desc.	FLANGE & EQUAL-LEG/BOX FRAMES						Drawn By	J ROSOWSKI	
Title	VINYL FIXED WINDOW NOA (LM&SM)							Date	9/9/14

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0629.12
Expiration Date April 30, 2020
By: [Signature]
Manufacturer Product Control

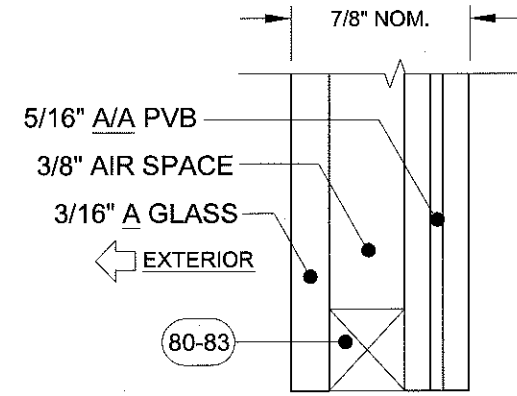
A. LYNN MILLER, P.E.
P.E.# 58705



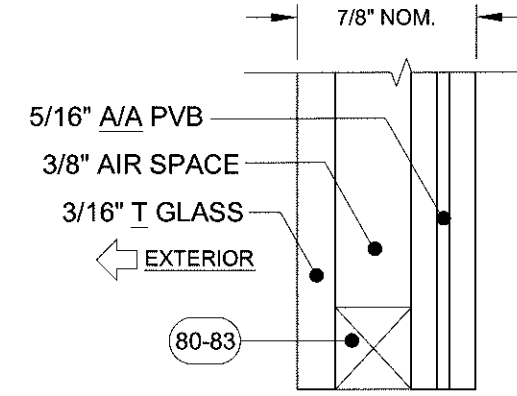
GLASS TYPE 7



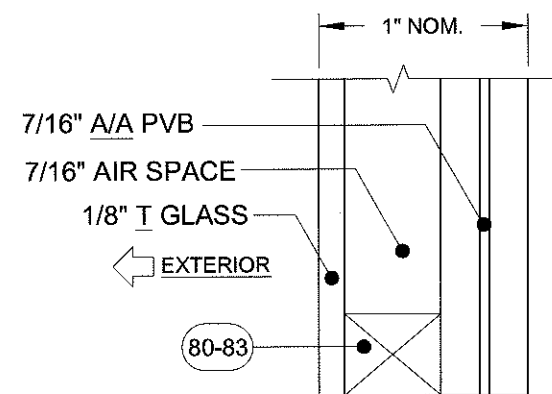
GLASS TYPE 8



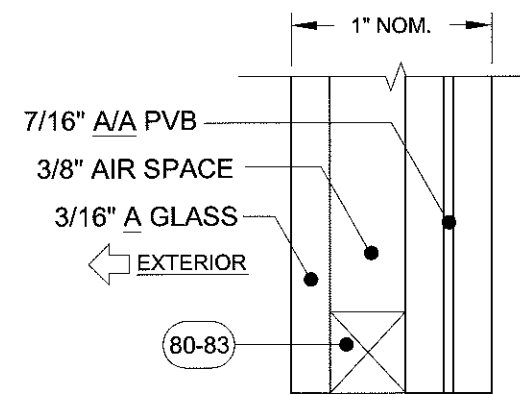
GLASS TYPE 9



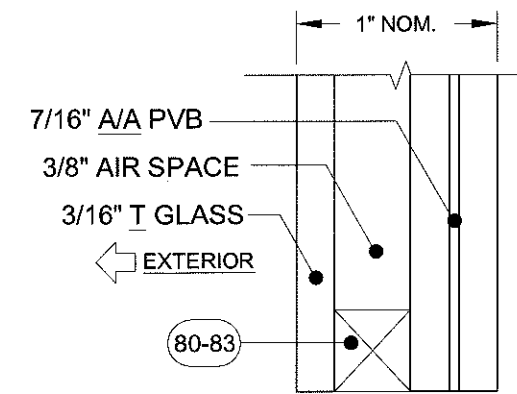
GLASS TYPE 10



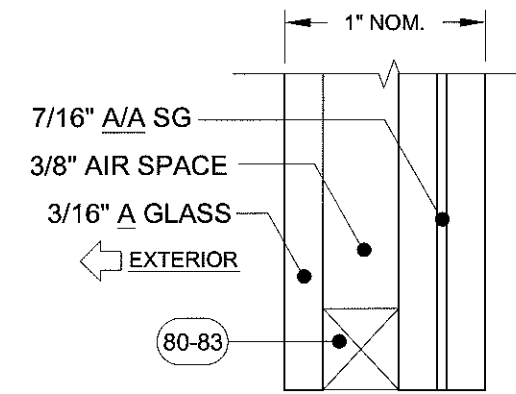
GLASS TYPE 11



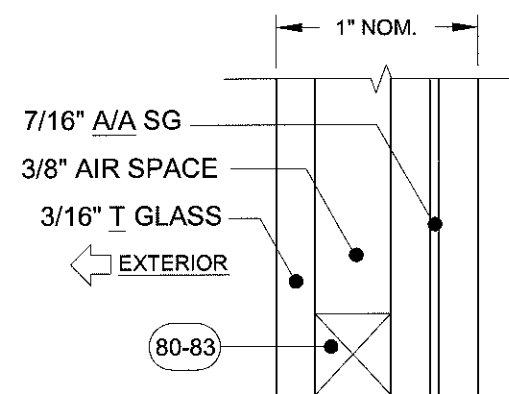
GLASS TYPE 12



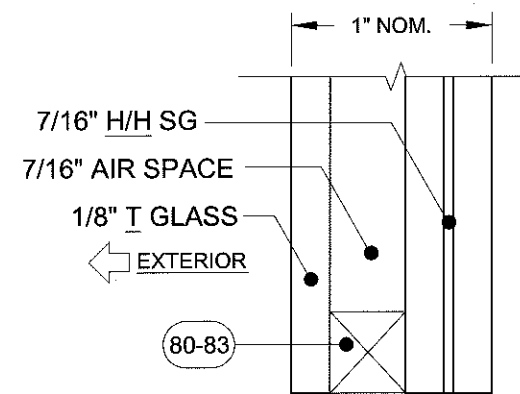
GLASS TYPE 13



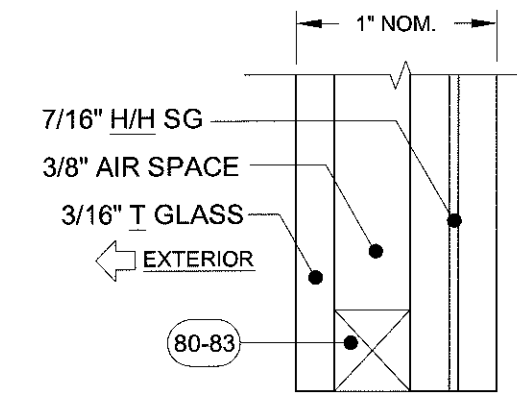
GLASS TYPE 14



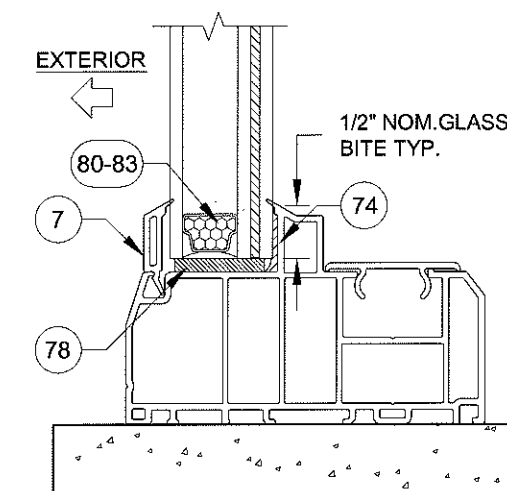
GLASS TYPE 15



GLASS TYPE 16



GLASS TYPE 17



TYP. GLAZING DETAIL

GLAZING NOTES:
 "A" = ANNEALED
 "H" = HEAT STRENGTHENED
 "T" = TEMPERED
 "PVB" = .090" PVB
 "SG" = .090" SENTRYGLAS

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

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 16-0629-17
 Expiration Date April 30, 2020
 By *Manuel Sosa*
 Miami Dade Product Control

Rev. 1	
Rev. 2	
Rev. 3	

1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274 (941)-480-1600	Date 9/9/14	By J ROSOWSKI	DWG MD-5520.0	Rev. A
 CERT. OF AUTH. #29296 VINYL FIXED WINDOW NOA (LM&SM)	Title	GLAZING DETAILS	Sheet 5 OF 11	Scale PW-5520

6/8/16

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

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	+/-50
	32	+/-50	+/-50	+/-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								
	44	+/-50	+/-50	+/-50									
	46	+/-50	+/-50										
	48	+/-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"

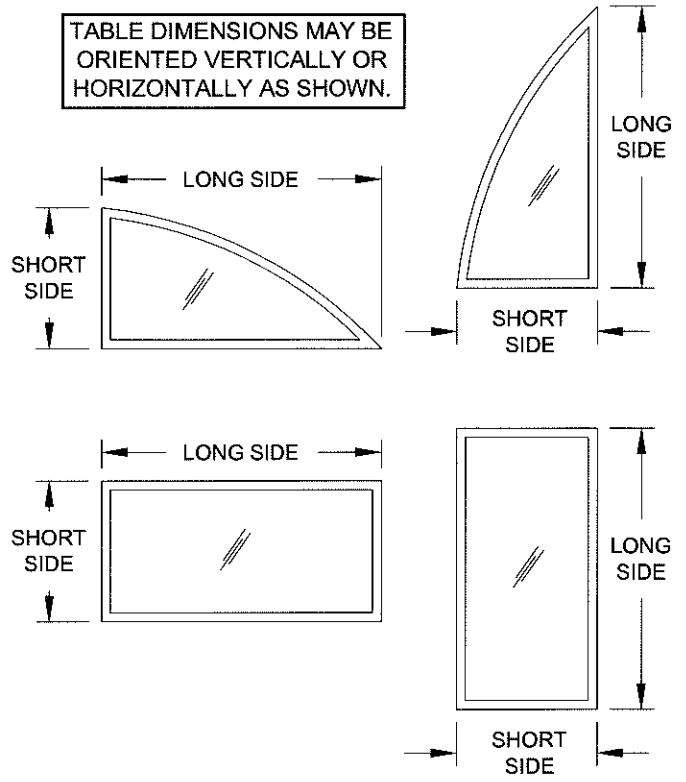


TABLE 5:

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 APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2) APPLIES TO E OR F ANCHORS (SEE TABLE 3) 15" 3.5" FOR E ANCHORS, 4" FOR F ANCHORS						
	52	+/-50	+/-50	+/-50	+/-50	+/-50									
	54	+/-50	+/-50	+/-50	+/-50										
	56	+/-50	+/-50	+/-50											
	58	+/-50	+/-50												
	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
Acceptance No. 1600629.12
Expiration Date April 30, 2020
By Manuel Perez
Miami Dade Product Control

Rev A	
Rev 2	
Rev 3	

1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274 (941)-480-1600	9/9/14 Date	J ROSOWSKI By	MD-5520.0 DWG No.	6 OF 11 Sheet	NTS Scale	PW-5520 Series	DESIGN PRESSURE TABLES A Title

CERT. OF AUTH. #29296
VINYL FIXED WINDOW NOA (LM&SM)
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		<table><tr><td colspan="2">MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4</td><td colspan="2">MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4</td></tr><tr><td colspan="2">APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)</td><td colspan="2">APPLIES TO E OR F ANCHORS (SEE TABLE 3)</td></tr><tr><td colspan="2">15"</td><td colspan="2">3.5" FOR E ANCHORS, 4" FOR F ANCHORS</td></tr></table>							MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4		MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4		APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)		APPLIES TO E OR F ANCHORS (SEE TABLE 3)		15"		3.5" FOR E ANCHORS, 4" FOR F ANCHORS	
	MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4		MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4																								
	APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)		APPLIES TO E OR F ANCHORS (SEE TABLE 3)																								
	15"		3.5" FOR E ANCHORS, 4" FOR F ANCHORS																								
	52	+/-50	+/-50	+/-50	+/-50	+/-50																					
	54	+/-50	+/-50	+/-50	+/-50																						
56	+/-50	+/-50	+/-50																								
58	+/-50	+/-50																									
60.926	+/-50																										

TABLE DIMENSIONS MAY BE
ORIENTED VERTICALLY OR
HORIZONTALLY AS SHOWN.

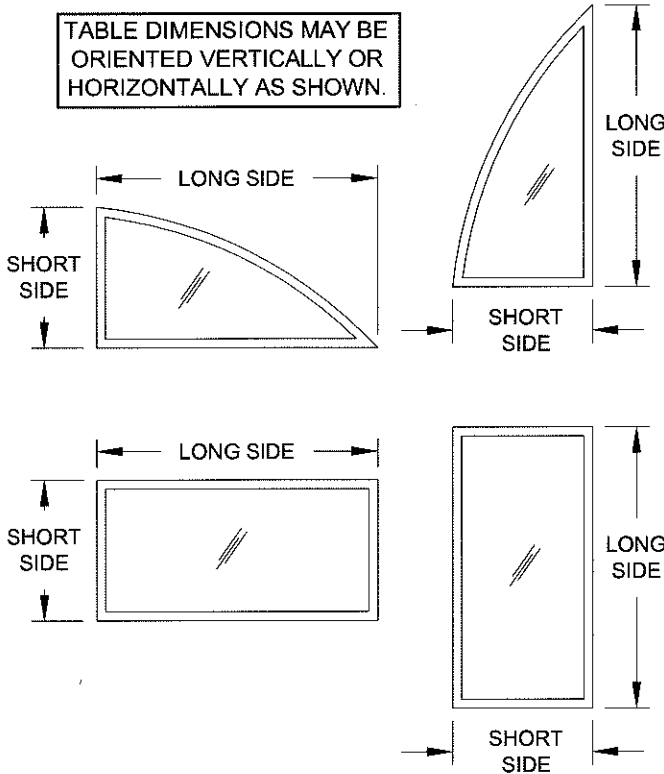


TABLE 7:

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		<table><tr><td>MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4</td><td>MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4</td></tr><tr><td>APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)</td><td>APPLIES TO F ANCHORS (SEE TABLE 3)</td></tr><tr><td>15.5"</td><td>4"</td></tr></table>							MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4	MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4	APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)	APPLIES TO F ANCHORS (SEE TABLE 3)	15.5"	4"
	MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4	MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4																			
	APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)	APPLIES TO F ANCHORS (SEE TABLE 3)																			
	15.5"	4"																			
	52	+/-70	+/-70	+/-70	+/-70	+/-70															
54	+/-70	+/-70	+/-70	+/-70																	
56	+/-70	+/-70	+/-70																		
58	+/-70	+/-70																			
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
Acceptance No. 16-0629.12
Expiration Date April 30, 2020
By *Manuel Perez*
Miami Trade Product Control

Rev A	
Rev 2	
Rev 3	

1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274 (941)-480-1600	Date	9/9/14	By	J ROSOWSKI	Rev.	A
DESIGN PRESSURE TABLES B	Title	VINYL FIXED WINDOW NOA (LM&SM)	Scale	PW-5520	Sheet	7 OF 11
NTS	Series	PW-5520	Desc.	DESIGN PRESSURE TABLES B	DWG	MD-5520.0

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	<table><tr><td>MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4</td><td>MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4</td></tr><tr><td>APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)</td><td>APPLIES TO F ANCHORS (SEE TABLE 3)</td></tr><tr><td>15.5"</td><td>4"</td></tr></table>							MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4	MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4	APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)	APPLIES TO F ANCHORS (SEE TABLE 3)	15.5"	4"
	MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4	MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4																		
	APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)	APPLIES TO F ANCHORS (SEE TABLE 3)																		
	15.5"	4"																		
	62	+/-70	+/-70	+/-69.9	+/-67.9	+/-65.2														
	64	+/-70	+/-70	+/-68.3	+/-66.3															
66	+/-69.9	+/-68.9	+/-66.7																	
68	+/-68.4	+/-67.4																		
69.649	+/-67.1																			

TABLE DIMENSIONS MAY BE
ORIENTED VERTICALLY OR
HORIZONTALLY AS SHOWN.

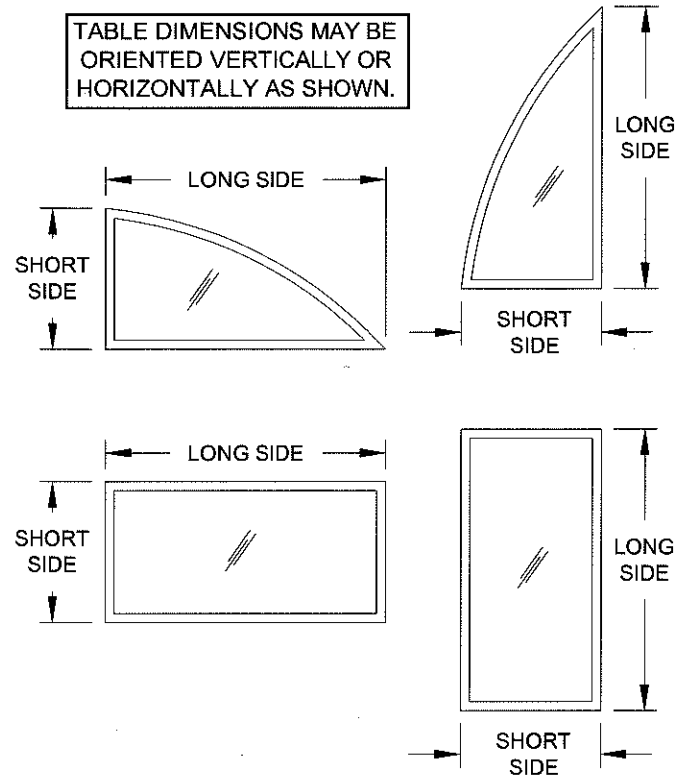


TABLE 9:

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						
	62	+/-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		
	64	+/-70	+/-70	+/-70	+/-70								
66	+/-70	+/-70	+/-70				APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)			APPLIES TO F ANCHORS (SEE TABLE 3)			
68	+/-70	+/-70											
69.649	+/-70						15.5"			3.9"			

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
Acceptance No. 16-0629.12
Expiration Date April 30, 2020
By *Michael J. Jeroski*
Miami Trade Product Control

Rev. 1	Rev. 2	Rev. 3

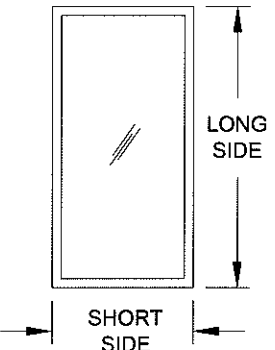
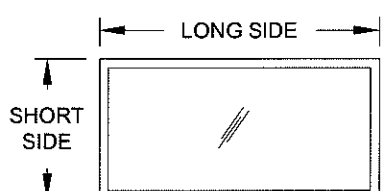
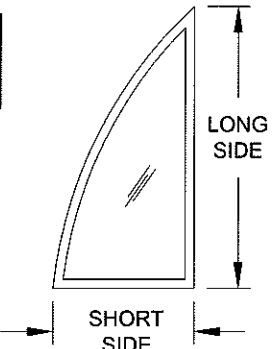
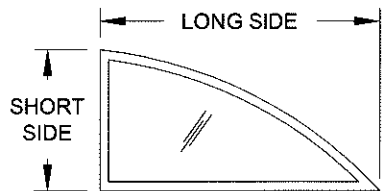
1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274 (941)-480-1600	9/9/14 Date	J. ROSOWSKI By	MD-5520.0	A
DESIGN PRESSURE TABLES C	PW-5520	NTS	8 OF 11	Sheet
VINYL FIXED WINDOW NOA (LM&SM)	9/9/14	J. ROSOWSKI	MD-5520.0	A

CERT. OF AUTH. #29296
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	
	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						
	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								
	66	+80/-81.1	+80/-80.1	+/-78.3									
	68	+/-79.3	+/-78.4										
	69.649	+/-77.7											
												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	
												13.2"	

TABLE DIMENSIONS MAY BE
ORIENTED VERTICALLY OR
HORIZONTALLY AS SHOWN.



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

TABLE 11:

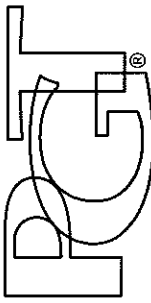
Window Design Pressure, (+/- psf)												Use this table for Glass Type:	15
3/16" T Cap - Airspace - 7/16" A/A with SG													
Window Dimensions	Long Side (in)												
	77.76	79	81	83	86	87	91	94	96	99	104	107	
Short Side (in)	36	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110
	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/-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/-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/-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/-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
	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
	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	+/-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						
	70	+/-78	+/-77.1	+/-75	+/-73.2	+/-70.5							
	72	+/-76	+/-75	+/-73	+/-71.1								
	74	+/-74.1	+/-73	+/-71									
	76	+/-72.2	+/-71.1										
	77.76	+/-70.5											
												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	
												APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)	
												NOT APPLICABLE	
												13.2"	

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
Acceptance No. 16-0629.12
Expiration Date April 30, 2020
By Manuel Perez
Miami Dade Product Control

Rev. A	
Rev. 2	
Rev. 3	

	CERT. OF AUTH. #29296		VINYL FIXED WINDOW NOA (LM&SM)				Date	9/9/14	
	DESIGN PRESSURE TABLES D							By	J ROSOWSKI
	PW-5520							Scale	NTS
	9 OF 11							DWG No.	MD-5520.0
Sheet							Rev.		A

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

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		<table><tr><td colspan="2">MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4</td><td colspan="2">MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4</td></tr><tr><td colspan="2">APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)</td><td colspan="2" rowspan="3">NOT APPLICABLE</td></tr><tr><td colspan="2">11.8"</td></tr></table>							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		11.8"	
	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																						
	11.8"																								
	52	+80/-110			+80/-110	+80/-110	+80/-110	+80/-110																	
	54	+80/-110	+80/-110	+80/-110	+80/-110																				
56	+80/-110	+80/-110	+80/-110																						
58	+80/-110	+80/-110																							
60.926	+80/-110																								

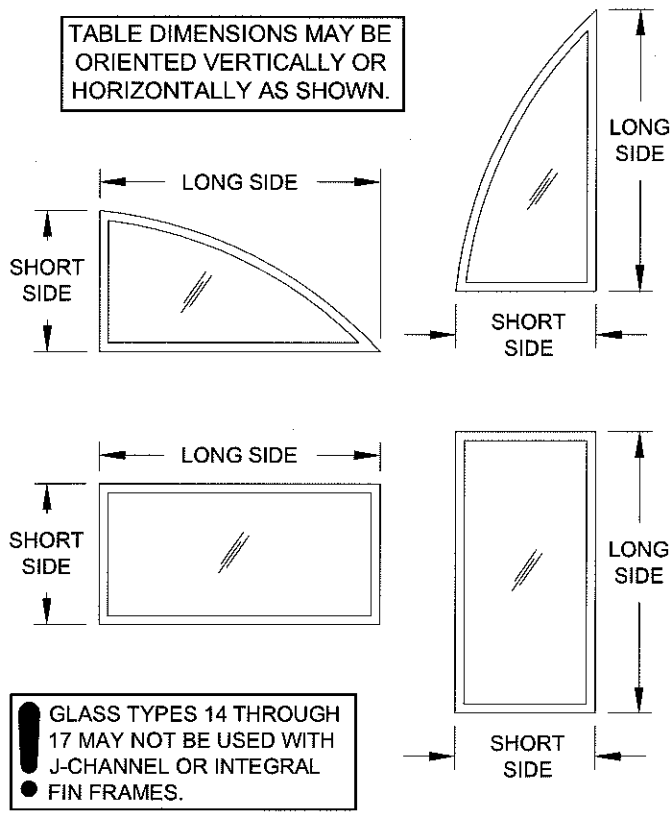


TABLE 13:

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	
	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								
	61	+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										
	64	+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													
	72	+80/-110	+80/-110	+80/-110	+80/-110														
	74	+80/-110	+80/-110	+80/-110															
	76	+80/-110	+80/-110																
	77.76	+80/-110																	

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
Acceptance No. **16-0629.12**
Expiration Date **April 30, 2020**
By **Manuel Perez**
Miami Dade Product Control

Rev A	
Rev 2	
Rev 3	

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274
(941)-480-1600

VINYL FIXED WINDOW NOA (LM&SM)

DESIGN PRESSURE TABLES E

PW-5520

NTS

10 OF 11

DWG No. MD-5520.0

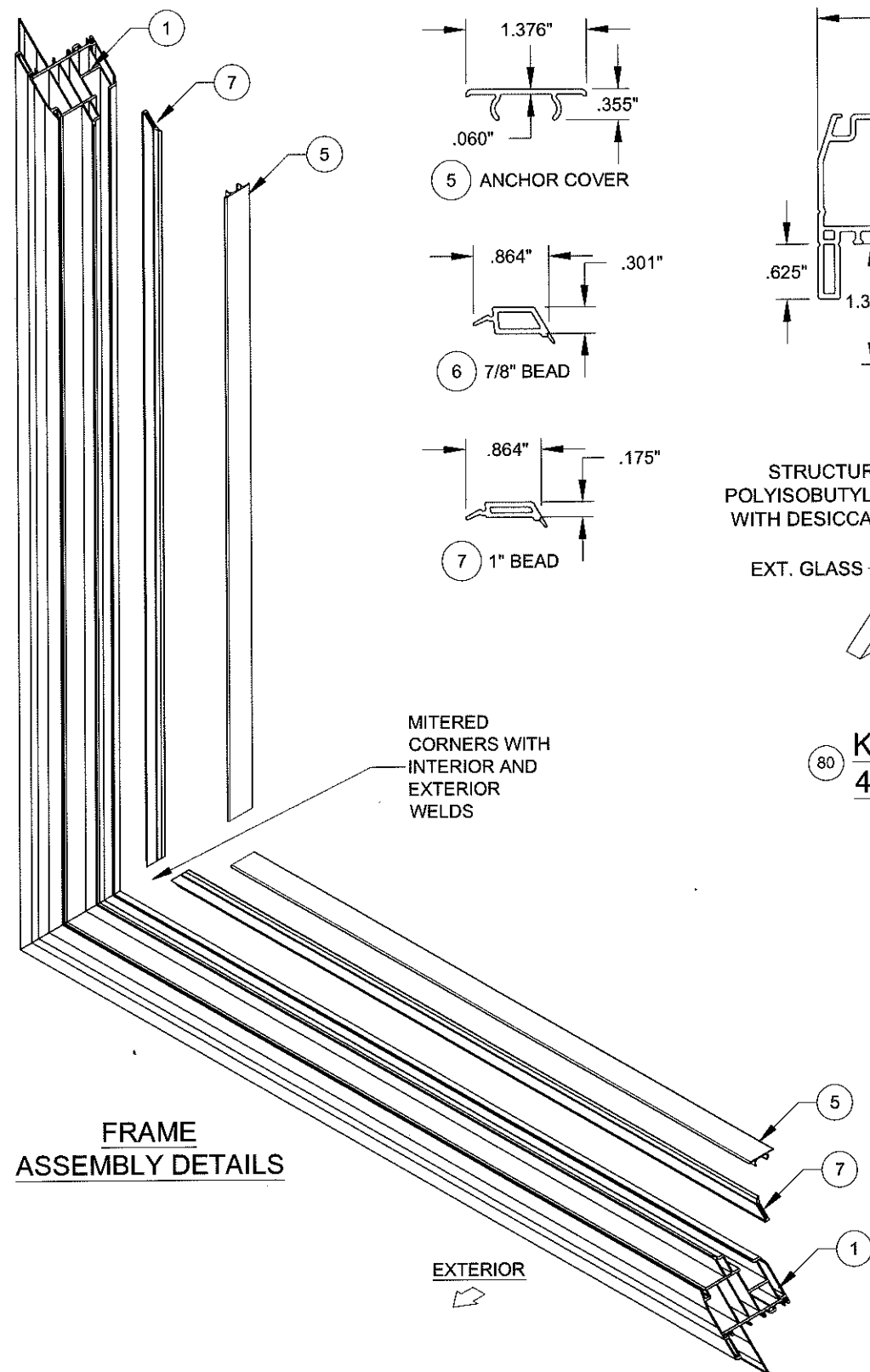
Rev. A

Date 9/9/14

Drawn By J ROSOWSKI

12/8/18

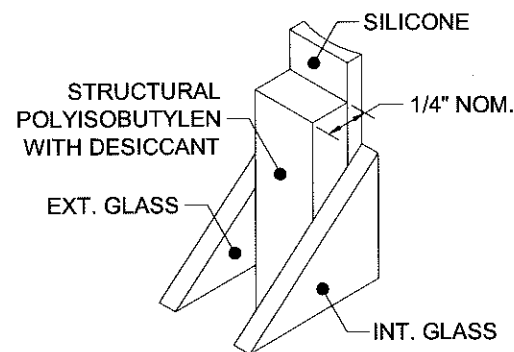
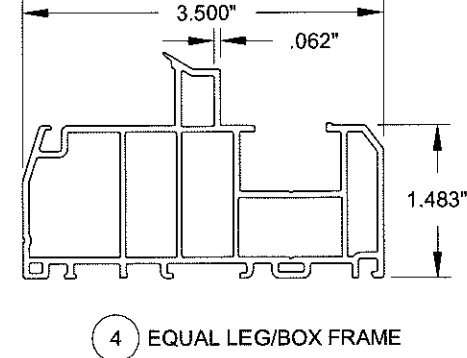
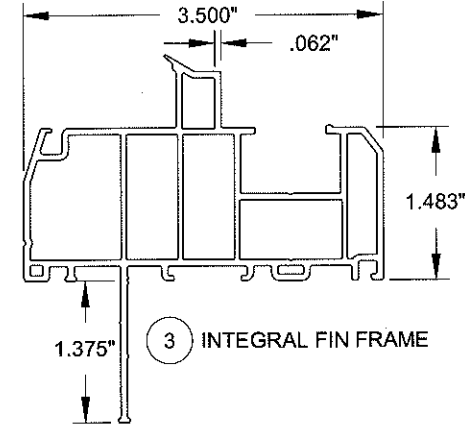
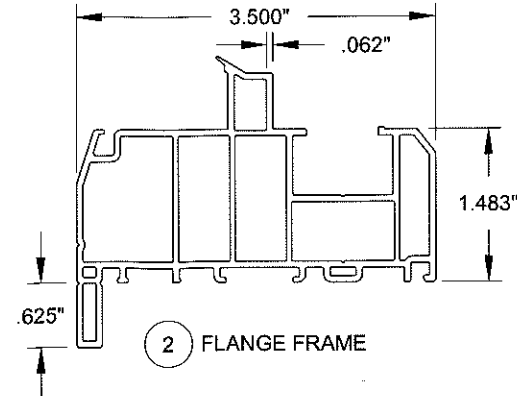
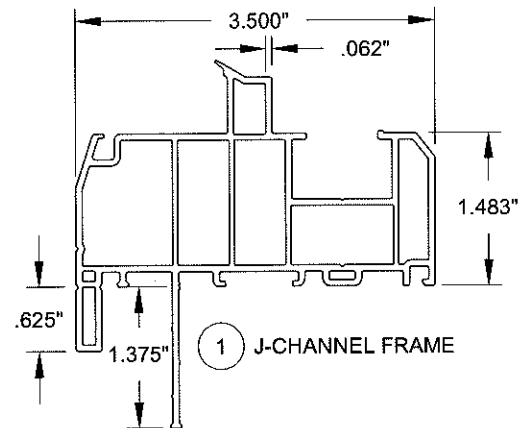
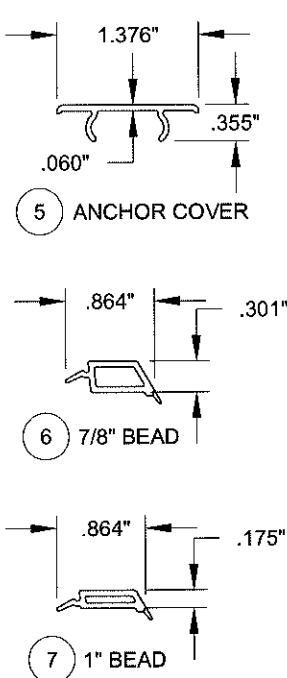
A. LYNN MILLER, P.E.
P.E.# 58705



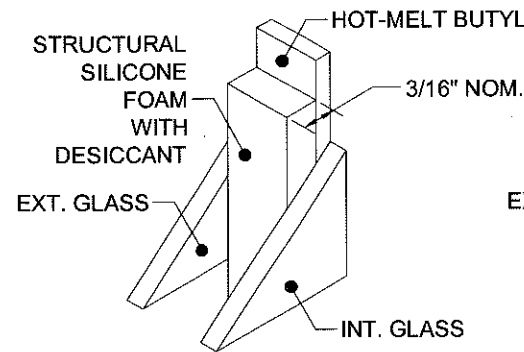
FRAME
ASSEMBLY DETAILS

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	

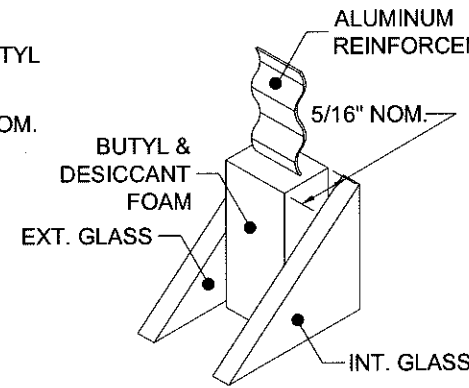
REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970



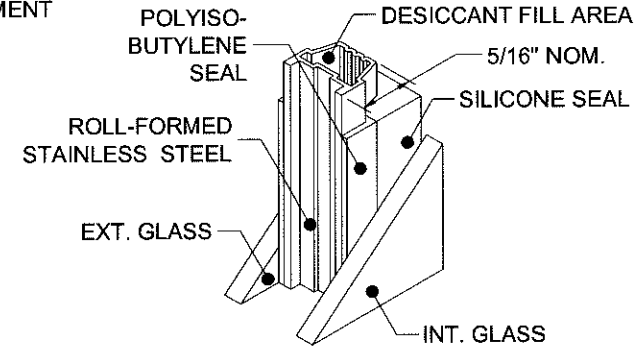
80 **KODISPACE
4SG TPS**



81 **SUPER
SPACER[®] NXT[™]**



82 **DURASEAL[®]
SPACER**



83 **XL EDGE[™]
SPACER**

TABLE 14:

#	Part #	Description	Material
1	620117	J-channel Frame	PVC
2	620118	Flange Frame	PVC
3	620119	Integral Fin Frame	PVC
4	620120	Equal Leg/Box Frame	PVC
5	620133	Anchor Cover	PVC
6	720136	7/8" Glazing Bead	PVC
7	720135	1" Glazing Bead	PVC
74		Backbedding, GE 7700 or Dow 791	Silicone
78	71646N	Setting Block (7/8" x 1" x 1/8"), 85 +/- 5 duro.	EPDM

NOTES:

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



Series	Rev 2	Rev A	Desc. Title	Date
			VINYL FIXED WINDOW NOA (LM&SM)	9/9/14
			BOM & ASSEMBLY	Drawn By J ROSOWSKI
			JR - 05/05/16 - ADDED SPACERS	
PW-5520	Scale	NTS	Sheet	11 OF 11
			DWG No.	MD-5520.0
			Rev. No.	A

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0629.12
Expiration Date April 30, 2020
By *Manuel Perez*
Miami Dade Product Control

