



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
Miami, FL 33175
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

WinDoor, Inc.
7500 Amsterdam Drive
Orlando, FL 32832

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 "238" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. MD-PW238, titled "238 Fixed Window", sheets 1 through 11 of 11, dated 05/12/20, with revision A dated 05/12/20, 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#18-1001.17** 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 **Sifang Zhao, P.E.**



S.Z.
06/25/2021

NOA No. 20-0519.14
Expiration Date: October 26, 2023
Approval Date: October 28, 2020
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (*See NOA #20-0519.06*)
2. Drawing No. MD-PW238, titled "238 Fixed Window", sheets 1 through 11 of 11, dated 05/12/20, with revision A dated 05/12/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of all PGT Industries, Inc. CGI Windows and Doors, Inc., representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, per Proposal #19-1155TP, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.:
CGI Windows and Doors Inc. test specimens:
FTL-20-2108.1, CGI SH360 Aluminum Single Hung Window (unit 1 in proposal)
FTL-20-2108.2, CGI CA238 Alum. Outswing Casement Window (unit 2 in proposal)
FTL-20-2108.3, CGI SGD560 Aluminum Sliding Glass Door (unit 3 in proposal)
FTL-20-2108.4, CGI PW410 Aluminum Fixed Window (unit 4 in proposal) and
FTL-20-2108.5, CGI SH360 Aluminum Single Hung Window (unit 5 in proposal)
all dated 08/24/20 and signed and sealed by Idalmis Ortega, P.E

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 7th Edition (2020)**, dated 05/12/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Glazing complies with **ASTM E1300-04, -09, -12 and -16**.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **18-0725.11** issued to **Kuraray America, Inc.** for their "**Kuraray SentryGlas[®] Xtra[™] (SGX[™]) Clear Glass Interlayer**" dated 05/23/19, expiring on 05/23/24.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 18-1001.17
Expiration Date: October 26, 2023
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (continued)

2. 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.
3. Notice of Acceptance No. **18-0301.06** issued to **Eastman Chemical Company (MA)** for their “**Saflex CP - Saflex and Saflex HP Composite Glass Interlayers with PET Core**” dated 05/17/18, expiring on 12/11/23.
4. Notice of Acceptance No. **17-0712.05** issued to **Eastman Chemical Company (MA)** for their “**Saflex Clear and Color Glass Interlayers**” dated 09/07/17, expiring on 05/21/21.

F. STATEMENTS

1. Notification of Successor Engineer per the Florida Administrative Code Section 61G15-27.001, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated 06/12/20, signed and sealed by A. Lynn Miller, P.E.
2. Statement letter of conformance, of complying with **FBC 6th Edition (2017)**, and **FBC 7th Edition (2020)** dated 05/12/2021, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Statement letter of no financial interest dated 05/12/2021, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

G. OTHERS

1. Private labeling agreement between WinDoor, Inc. and CGI Windows and Doors, Inc. document in conformance of RER guideline dated 09/12/2018.
(Submitted under NOA No. 18-1001.17)
2. Notice of Acceptance No. **18-1001.17**, issued to WinDoor, Inc. for their Series “238” Aluminum Fixed Window - L.M.I., approved on 12/13/2018 and expiring on 10/26/23.
3. Notice of Acceptance No. **20-0519.06**, issued to CGI Windows and Doors, Inc. for their Series “238” Aluminum Fixed Window - L.M.I., approved on 02/15/18 and expiring on 10/26/23.

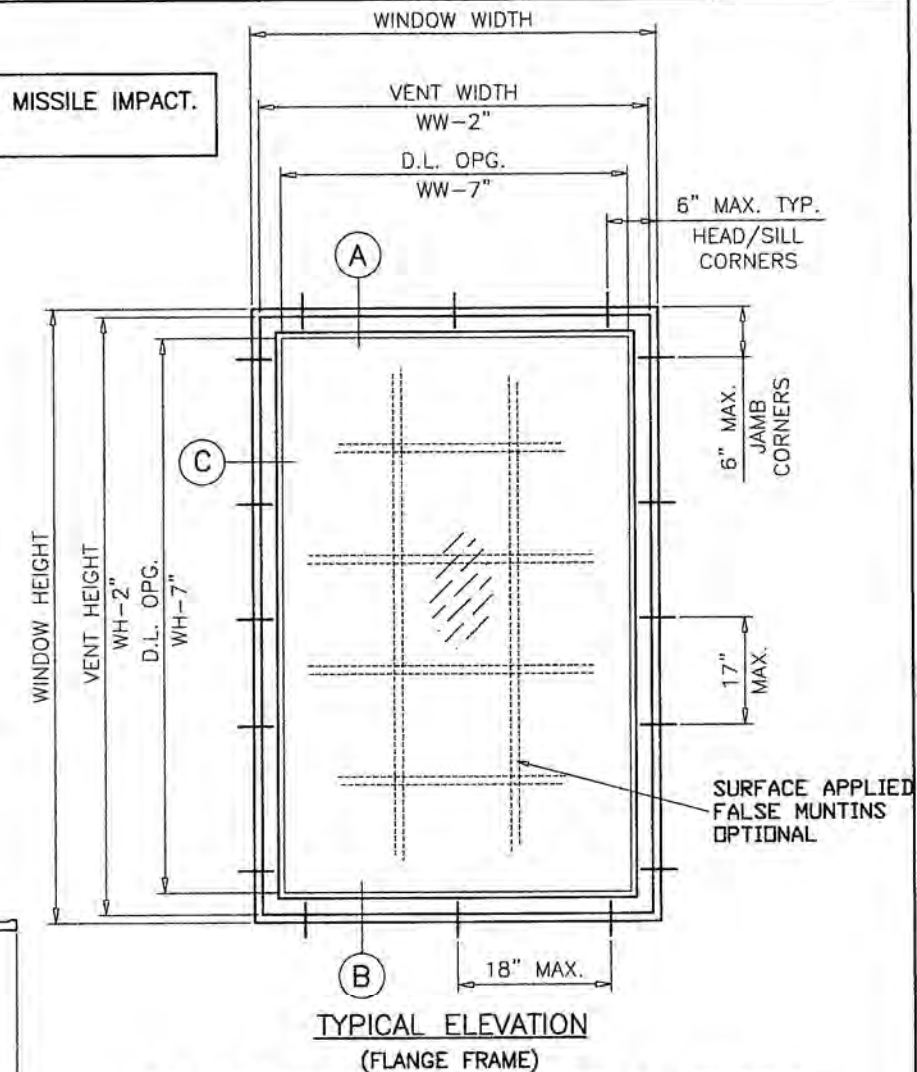
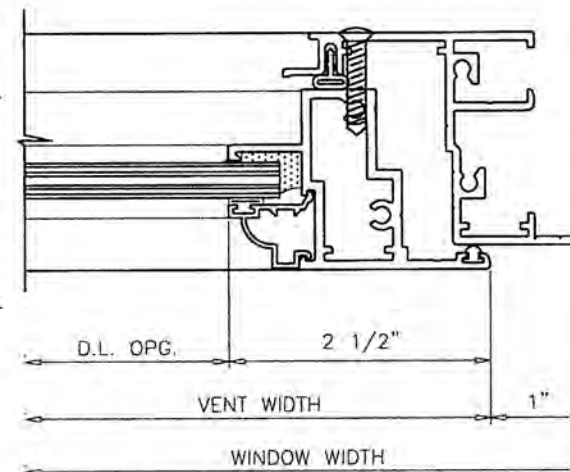
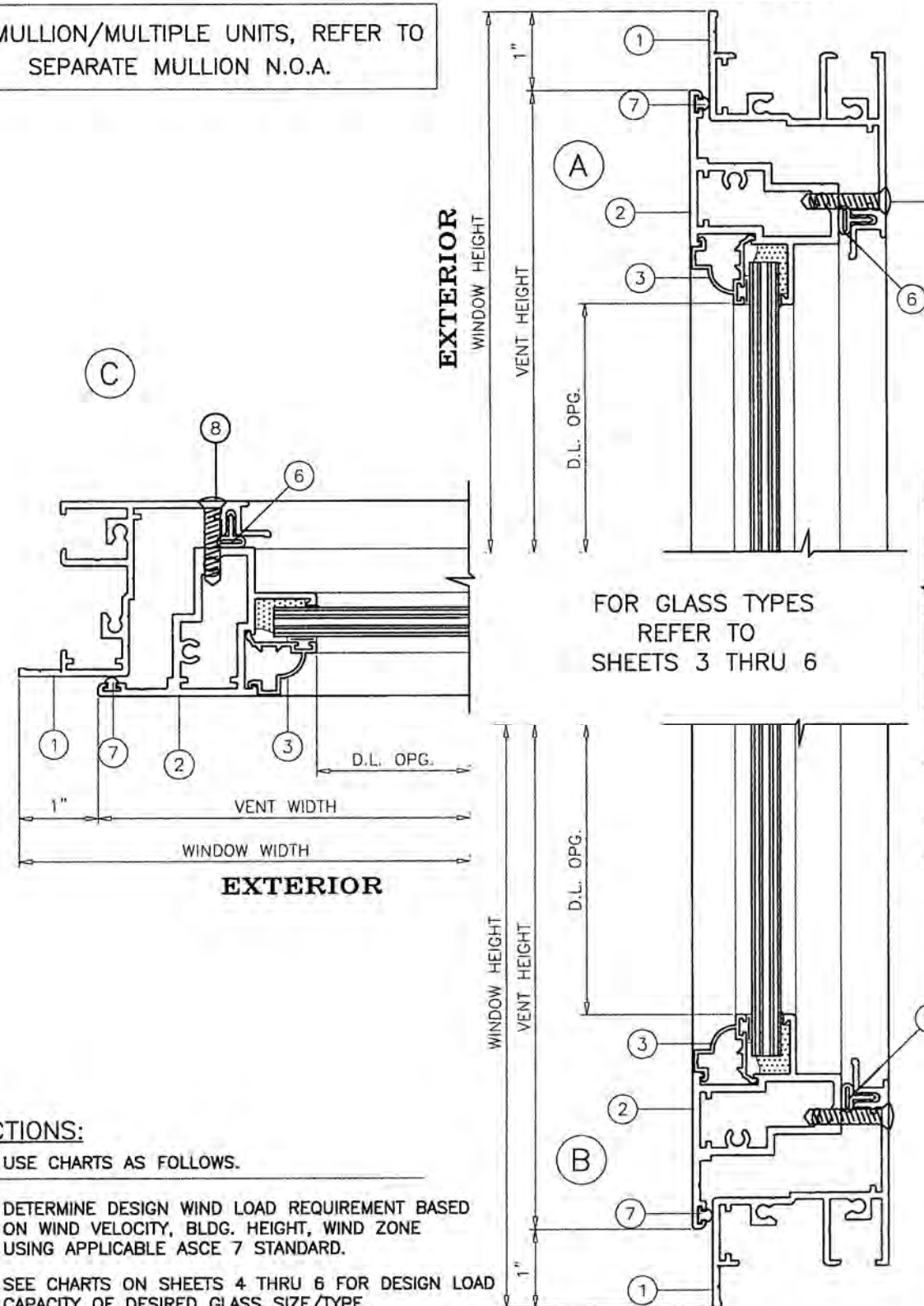


Sifang Zhao, P.E.
Product Control Examiner
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FOR MULLION/MULTIPLE UNITS, REFER TO
SEPARATE MULLION N.O.A.

GENERAL WINDOW SECTIONS FLANGE FRAME

THESE WINDOWS ARE RATED FOR LARGE MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.



MAX. ANCHOR SPACING TO BE AS FOLLOWS
17" O.C. ON LONGER SIDES
18" O.C. ON SHORTER SIDES

NOTES:

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2017 (6TH EDITION)/2020 (7TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2017/2020 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR THE SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND THE SEALING AROUND THE OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEETS 4 THRU 6 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE/TYPE.
- STEP 3** USING CHART ON SHEETS 9 & 10 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 4** IF ALUMINUM BUCK SYSTEM IS USED USE CHART ON SHEETS 11 & 12 TO DETERMINE CAPACITY.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0519.14**

Expiration Date **10/26/2023**

By
Miami-Dade Product Control

Revision: A) UPDATED TO FBC 2020.
AK - 05/12/20

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

REGISTRATION #29296

WinDoor®
INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
(407) 481-8400

Date 05/12/20

By AGK

No. MD-PW238

1 OF 11

Sheet NTS

Scale

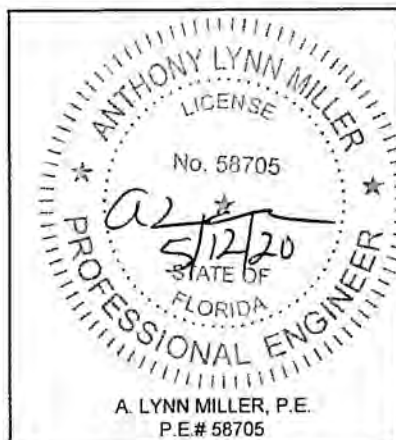
PW238

Series

Desc.

Title

238 FIXED WINDOW



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

Technical drawings of window and door details, showing exterior and interior views with dimensions and callouts.

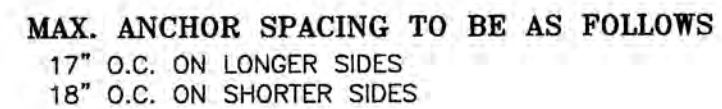
Top Left Detail (C): Exterior view of a window/door threshold. Dimensions include $3/4"$ for the threshold height, $2 1/2"$ for the threshold width, and $2 1/2"$ for the threshold depth. Callouts include 1A, 7, 2, 3, 6, and 8. The text "D.L. OPG." is present.

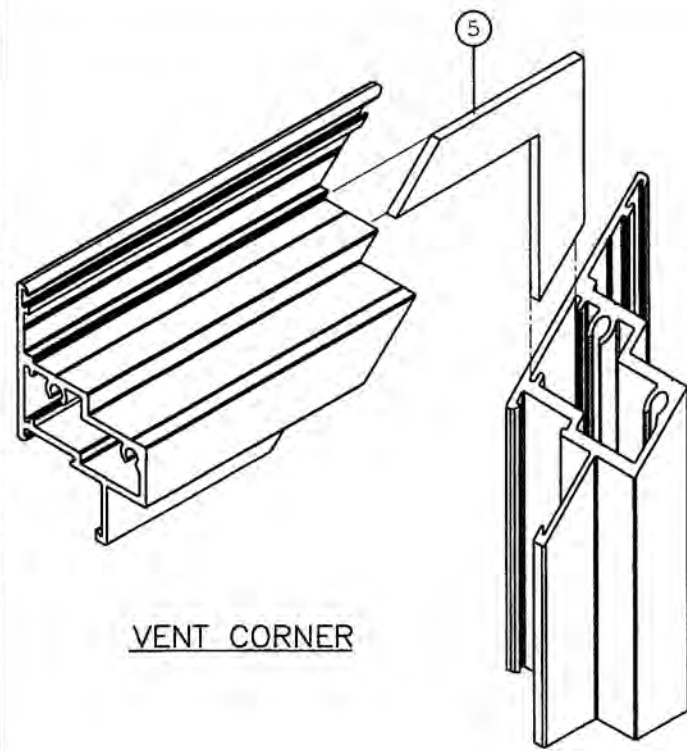
Top Right Detail (A): Interior view of a window/door threshold. Dimensions include $3/4"$ for the threshold height, $2 1/2"$ for the threshold width, and $2 1/2"$ for the threshold depth. Callouts include 1A, 7, 2, 3, 6, and 8. The text "D.L. OPG." is present. A note states: "AT EACH END AND 18\" O.C. ON SHORTER SIDES 20\" O.C. ON LONGER SIDES".

Bottom Left Detail (B): Interior view of a window/door threshold. Dimensions include $3/4"$ for the threshold height, $2 1/2"$ for the threshold width, and $2 1/2"$ for the threshold depth. Callouts include 1A, 7, 2, 3, 6, and 8. The text "D.L. OPG." is present.

Bottom Right Detail (C): Exterior view of a window/door threshold. Dimensions include $3/4"$ for the threshold height, $2 1/2"$ for the threshold width, and $2 1/2"$ for the threshold depth. Callouts include 1A, 7, 2, 3, 6, and 8. The text "D.L. OPG." is present.

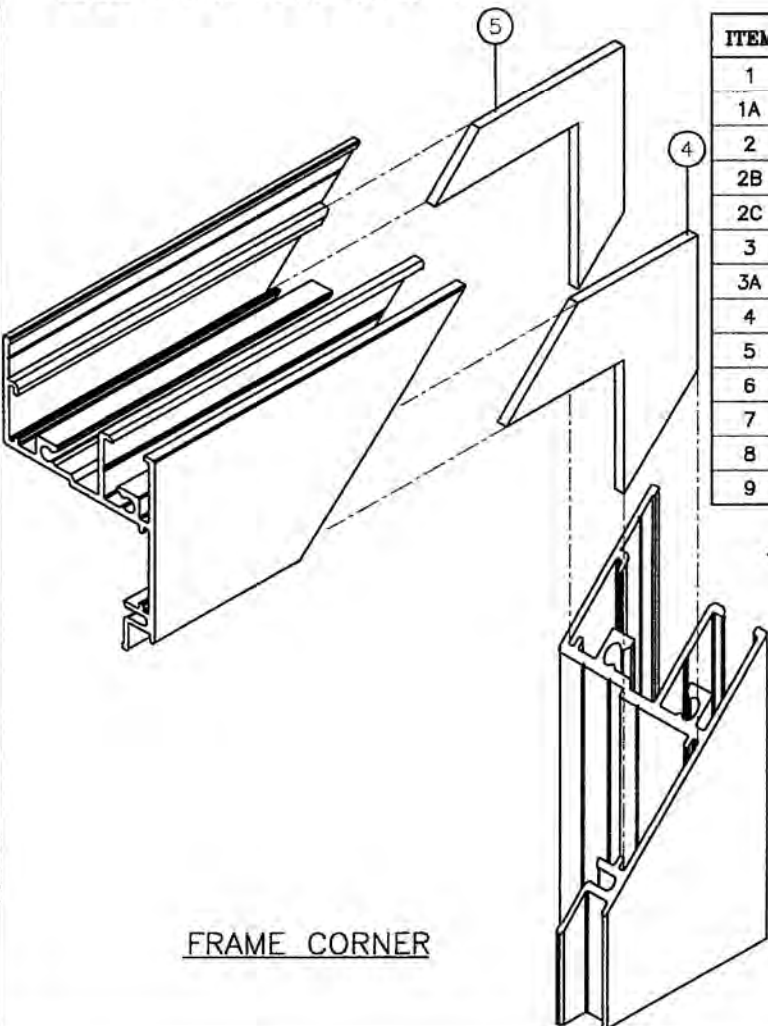
Central Text: FOR GLASS TYPES, REFER TO SHEETS 4 THRU 6



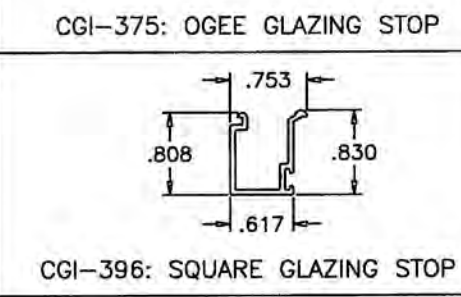
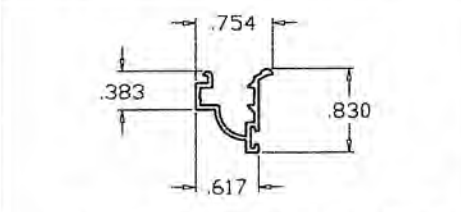
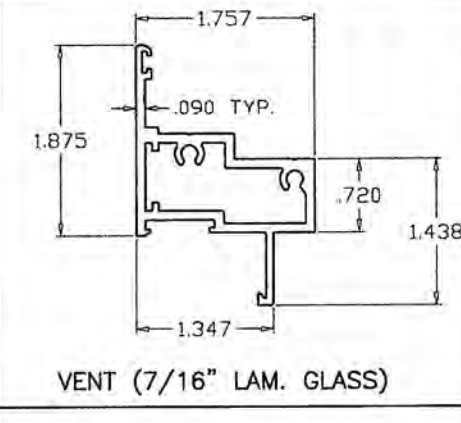
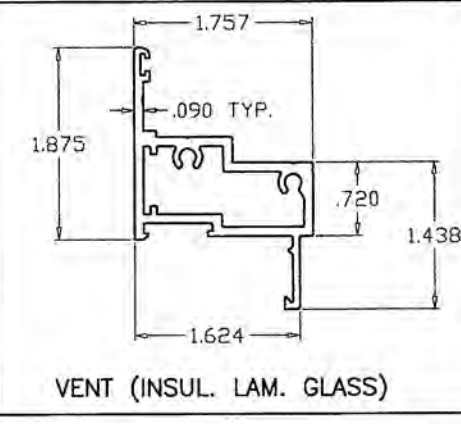
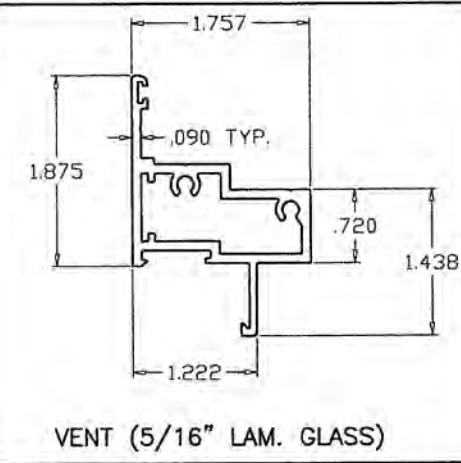
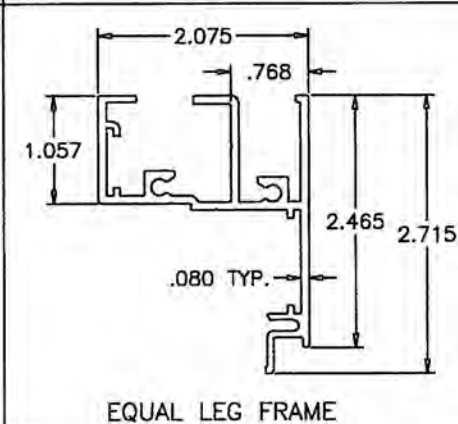
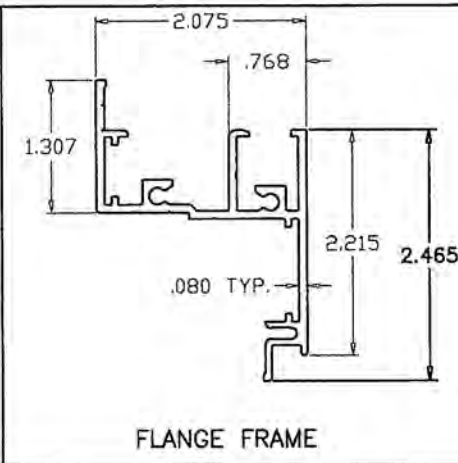
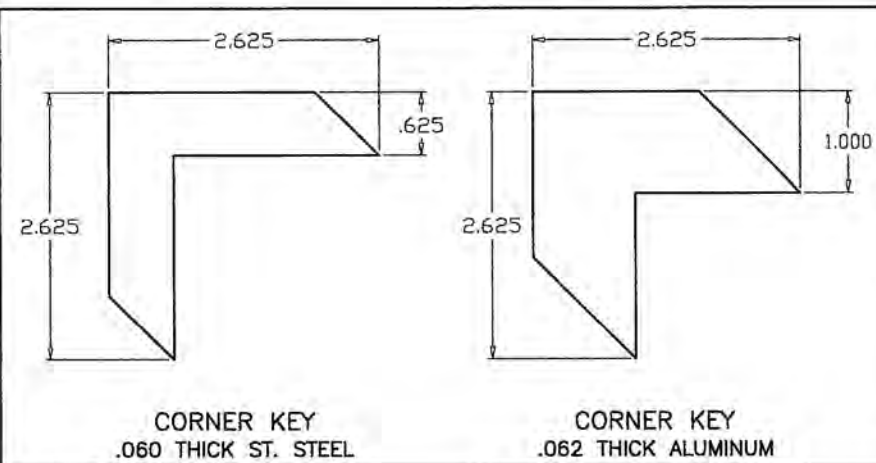


VENT CORNER

ALL FRAME AND VENT CORNERS TO BE SEALED WITH GE SILPRUF OR EQUIV.



FRAME CORNER



ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	CGI-373	4	FLANGE FRAME	6063-T6	INDALEX OR EQUIV.
1A	CGI-397	4	EQUAL LEG FRAME	6063-T6	INDALEX OR EQUIV.
2	CGI-378	4	VENT (5/16" LAM. GLASS)	6063-T6	INDALEX OR EQUIV.
2B	CGI-381	4	VENT (INSUL. LAM. GLASS)	6063-T6	INDALEX OR EQUIV.
2C	CGI-385	4	VENT (7/16" LAM. GLASS)	6063-T6	INDALEX OR EQUIV.
3	CGI-375	4	OGEE GLAZING BEAD	6063-T5	INDALEX OR EQUIV.
3A	CGI-396	4	SQUARE GLAZING BEAD	6063-T5	INDALEX OR EQUIV.
4	-	4	.060 THICK CORNER KEY	ALUMINUM	-
5	-	8	.060 THICK CORNER KEY	ST. STEEL	-
6	AP-425	AS REQD.	FRAME WEATHERSTRIPPING	-	ULTRAFAB/SCHLEGEL
7	Q200 X190	AS REQD.	VENT WEATHERSTRIPPING	-	SCHLEGEL Q-LON
8	-	AS REQD.	VENT SCREWS @ 20" O.C. LONGER SIDES, 18" O.C. SHORTER SIDES	-	#10 X 1" SS SMS
9	-	2/ CORNER	FRAME AND VENT ASSEMBLY SCREWS	-	#10 X 1-1/4" SS SMS

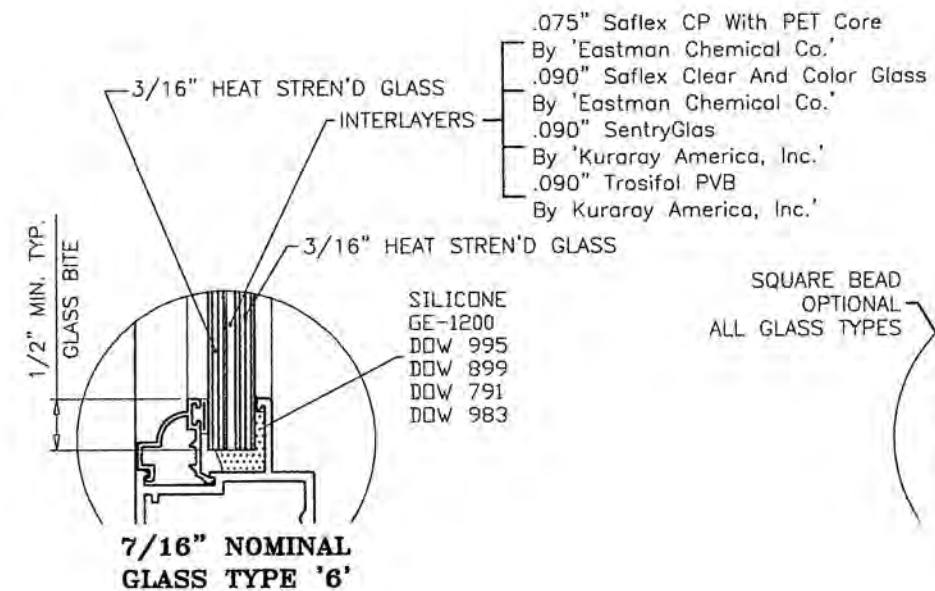
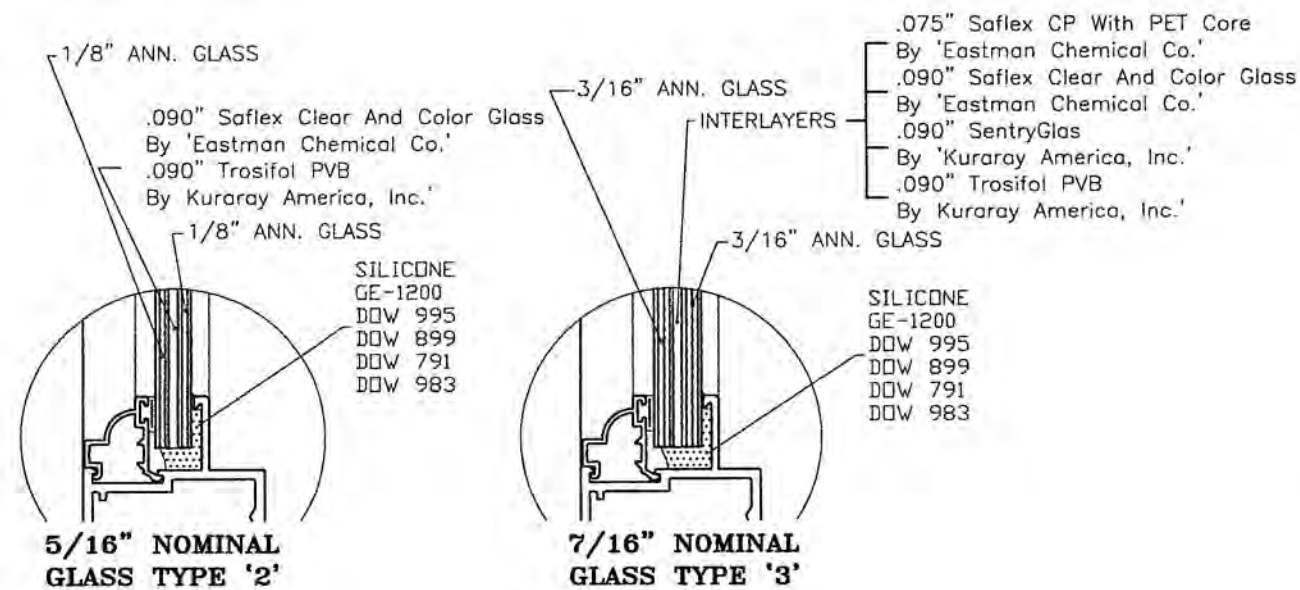
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0519.14**
Expiration Date **10/26/2023**
By **Miami-Dade Product Control**

Revision: A) NO CHANGES THIS SHEET.
AK - 05/12/20

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	Date	05/12/20	Rev.	A
	By	AGK	DWG No.	MD-PW238
	Scale	3 OF 11	Sheet	NTS
	Series	PW238	Desc.	238 FIXED WINDOW
BOM, EXTRUSIONS, CORNER DETAILS 238 FIXED WINDOW				

WinDoor®
INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
(407) 481-8400

ANTHONY LYNN MILLER
LICENSE
No. 58705
A2
5/12/20
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

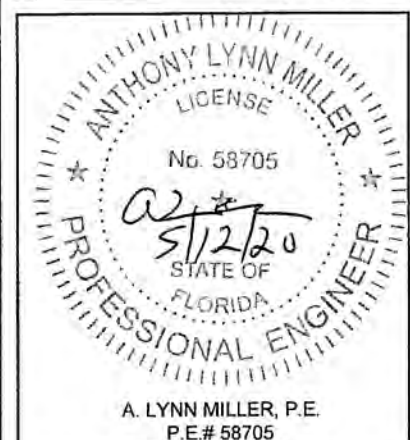


PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS							
REFER TO SHEETS 7 THRU 12 FOR INSTALLATION DETAILS							
WINDOW DIMS.		GLASS TYPE '2'		GLASS TYPE '3'		GLASS TYPE '6'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	26"	110.0	195.0	110.0	195.0	110.0	195.0
26-1/2"		110.0	166.2	110.0	195.0	110.0	195.0
37"		110.0	166.2	110.0	172.5	110.0	195.0
53-1/8"		110.0	120.0	110.0	148.2	110.0	195.0
19-1/8"	38-3/8"	110.0	195.0	110.0	195.0	110.0	195.0
26-1/2"		110.0	163.0	110.0	167.7	110.0	195.0
37"		110.0	116.8	110.0	151.9	101.8	180.5
53-1/8"		84.1	84.1	108.8	118.7	108.8	118.7
19-1/8"	50-5/8"	110.0	185.7	110.0	187.6	110.0	195.0
26-1/2"		110.0	131.2	110.0	148.7	110.0	195.0
37"		95.0	95.0	110.0	120.0	110.0	120.0
53-1/8"		67.9	67.9	85.3	85.3	85.3	85.3
19-1/8"	63"	110.0	177.5	110.0	179.4	110.0	195.0
26-1/2"		102.7	102.7	110.0	120.0	110.0	120.0
37"		70.5	70.5	102.1	111.3	102.1	111.3
53-1/8"		57.7	57.7	81.3	81.3	81.3	81.3
19-1/8"	74-1/4"	110.0	120.0	110.0	174.6	110.0	195.0
26-1/2"		89.8	89.8	110.0	120.0	110.0	120.0
37"		56.9	56.9	90.0	90.0	90.0	90.0
53-1/8"		-	-	-	-	70.0	70.0

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0519.14**
Expiration Date **10/26/2023**
By
Miami-Dade Product Control

Revision: A) ADDED BACKBEDDING.
AK - 05/12/20

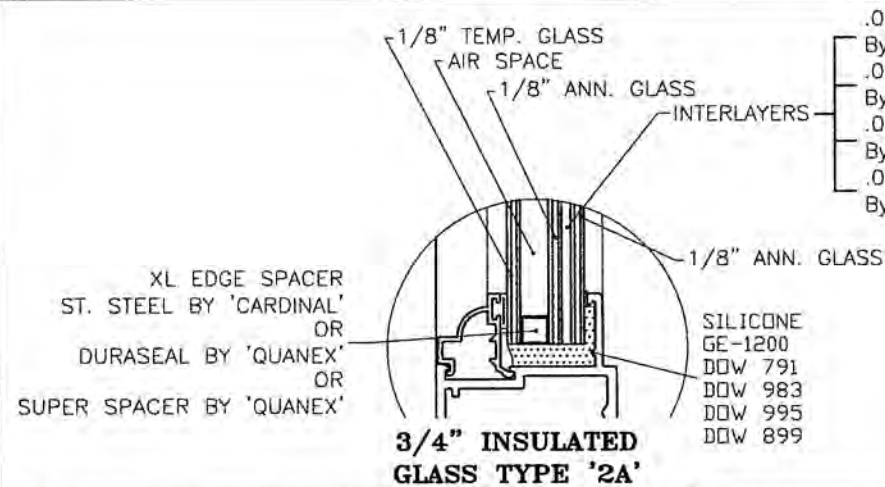
W [®] _{INDOOR} INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400		REGISTRATION #29296		05/12/20		Rev.	A		
				Date					
GLASS, DESIGN PRESSURE TABLES		AGK		By	Drawn	No.	MD-PW238		
								DWG	
									4 OF 11
PW238		NTS		Scale		PW238			
		4 OF 11		Sheet		MD-PW238			
238 FIXED WINDOW		AGK		By		Drawn			
Title		Date		Rev.		A			



PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS REFER TO SHEETS 7 THRU 12 FOR INSTALLATION DETAILS							
WINDOW DIMS.		GLASS TYPE '2'		GLASS TYPE '3'		GLASS TYPE '6'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
24"	36"	110.0	180.0	110.0	181.9	110.0	195.0
30"		110.0	144.0	110.0	166.3	110.0	195.0
36"		110.0	120.0	110.0	161.7	110.0	185.5
42"		110.0	120.0	110.0	120.0	110.0	120.0
48"		104.8	104.8	110.0	120.0	110.0	120.0
54"		88.3	88.3	110.0	120.0	110.0	120.0
57"		81.9	81.9	108.3	118.1	108.3	118.1
60"		76.9	76.9	105.9	115.5	105.9	115.5
63"		72.5	72.5	103.7	113.2	103.7	113.2
66"		68.5	68.5	90.0	90.0	90.0	90.0
69"		64.5	64.5	90.0	90.0	90.0	90.0
72"		60.9	60.9	90.0	90.0	90.0	90.0
75"		57.8	57.8	90.0	90.0	90.0	90.0
78"		55.0	55.0	90.0	90.0	90.0	90.0
81"		50.2	50.2	90.0	90.0	90.0	90.0
84"		48.6	48.6	90.0	90.0	90.0	90.0
87"		47.0	47.0	90.0	90.0	90.0	90.0
24"	42"	110.0	168.0	110.0	169.7	110.0	195.0
30"		110.0	144.0	110.0	150.9	110.0	195.0
36"		110.0	120.0	110.0	120.0	110.0	120.0
42"		102.9	102.9	110.0	120.0	110.0	120.0
48"		87.2	87.2	110.0	120.0	110.0	120.0
54"		76.9	76.9	103.9	113.4	103.9	113.4
57"		72.2	72.2	90.0	90.0	90.0	90.0
60"		67.9	67.9	90.0	90.0	90.0	90.0
63"		63.9	63.9	90.0	90.0	90.0	90.0
66"		60.2	60.2	90.0	90.0	90.0	90.0
69"		55.3	55.3	90.0	90.0	90.0	90.0
72"		52.0	52.0	90.0	90.0	90.0	90.0
75"		49.1	49.1	90.0	90.0	90.0	90.0
78"		46.7	46.7	88.4	88.4	90.0	90.0
81"		44.8	44.8	85.4	85.4	90.0	90.0
84"		-	-	-	-	90.0	90.0
87"		-	-	-	-	70.0	70.0
24"	48"	110.0	160.0	110.0	161.7	110.0	195.0
30"		110.0	120.0	110.0	141.1	108.2	191.8
36"		104.8	104.8	110.0	120.0	110.0	120.0
42"		87.2	87.2	110.0	120.0	110.0	120.0
48"		77.3	77.3	110.0	120.0	110.0	120.0
54"		69.8	69.8	90.0	90.0	90.0	90.0
57"		66.3	66.3	90.0	90.0	90.0	90.0
60"		65.0	65.0	90.0	90.0	90.0	90.0
63"		60.8	60.8	90.0	90.0	90.0	90.0
66"		57.0	57.0	90.0	90.0	90.0	90.0
69"		53.6	53.6	89.6	89.6	90.0	90.0
72"		50.6	50.6	85.5	85.5	90.0	90.0
75"		-	-	-	-	90.0	90.0
78"		-	-	-	-	70.0	70.0
81"		-	-	-	-	70.0	70.0
84"		-	-	-	-	70.0	70.0
87"		-	-	-	-	70.0	70.0
24"	54"	110.0	142.2	110.0	155.9	110.0	195.0
30"		103.3	103.3	110.0	120.0	110.0	120.0
36"		88.3	88.3	110.0	120.0	110.0	120.0
42"		76.9	76.9	103.9	113.4	103.9	113.4
48"		69.8	69.8	90.0	90.0	90.0	90.0
54"		67.4	67.4	80.0	80.0	80.0	80.0
57"		63.7	63.7	80.0	80.0	80.0	80.0
60"		60.2	60.2	80.0	80.0	80.0	80.0
63"		57.1	57.1	80.0	80.0	80.0	80.0
66"		-	-	-	-	80.0	80.0
69"		-	-	-	-	70.0	70.0
72"		-	-	-	-	70.0	70.0
75"		-	-	-	-	70.0	70.0
78"		-	-	-	-	70.0	70.0
81"		-	-	-	-	70.0	70.0
84"		-	-	-	-	70.0	70.0
87"		-	-	-	-	70.0	70.0

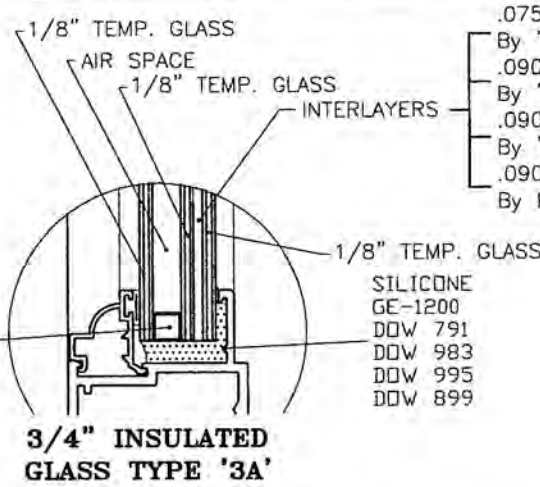
PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS REFER TO SHEETS 7 THRU 12 FOR INSTALLATION DETAILS							
WINDOW DIMS.		GLASS TYPE '2'		GLASS TYPE '3'		GLASS TYPE '6'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
24"	60"	110.0	120.0	110.0	151.6	110.0	195.0
30"		91.2	91.2	110.0	120.0	110.0	120.0
36"		76.9	76.9	105.9	115.5	105.9	115.5
42"		67.9	67.9	90.0	90.0	90.0	90.0
48"		65.0	65.0	90.0	90.0	90.0	90.0
54"		60.2	60.2	80.0	80.0	80.0	80.0
57"		57.6	57.6	75.8	75.8	75.8	75.8
60"		-	-	-	-	72.0	72.0
63"		-	-	-	-	70.0	70.0
66"		-	-	-	-	70.0	70.0
69"		-	-	-	-	70.0	70.0
72"		-	-	-	-	70.0	70.0
75"		-	-	-	-	70.0	70.0
78"		-	-	-	-	70.0	70.0
81"		-	-	-	-	70.0	70.0
84"		-	-	-	-	70.0	70.0
87"		-	-	-	-	50.0	50.0
24"	66"	110.0	119.6	110.0	120.0	110.0	120.0
30"		81.8	81.8	110.0	120.0	110.0	120.0
36"		68.5	68.5	90.0	90.0	90.0	90.0
42"		60.2	60.2	90.0	90.0	90.0	90.0
48"		57.0	57.0	90.0	90.0	90.0	90.0
54"		-	-	-	-	80.0	80.0
57"		-	-	-	-	70.0	70.0
60"		-	-	-	-	70.0	70.0
63"		-	-	-	-	68.6	68.6
66"		-	-	-	-	65.5	65.5
69"		-	-	-	-	65.5	65.5
72"		-	-	-	-	65.5	65.5
75"		-	-	-	-	65.5	65.5
78"		-	-	-	-	50.0	50.0
81"		-	-	-	-	50.0	50.0
84"		-	-	-	-	50.0	50.0
87"		-	-	-	-	50.0	50.0
24"	72"	110.0	111.5	110.0	120.0	110.0	120.0
30"		77.0	77.0	110.0	120.0	110.0	120.0
36"		60.9	60.9	90.0	90.0	90.0	90.0
42"		52.0	52.0	90.0	90.0	90.0	90.0
48"		50.6	50.6	85.5	85.5	90.0	90.0
54"		-	-	-	-	70.0	70.0
57"		-	-	-	-	70.0	70.0
60"		-	-	-	-	70.0	70.0
63"		-	-	-	-	68.6	68.6
66"		-	-	-	-	65.5	65.5
69"		-	-	-	-	62.6	62.6
72"		-	-	-	-	50.0	50.0
75"		-	-	-	-	50.0	50.0
78"		-	-	-	-	50.0	50.0
81"		-	-	-	-	50.0	50.0
84"		-	-	-	-	50.0	50.0
87"		-	-	-	-	50.0	50.0
24"	78"	108.1	108.1	110.0	120.0	110.0	120.0
30"		70.2	70.2	110.0	120.0	110.0	120.0
36"		55.0	55.0	90.0	90.0	90.0	90.0
42"		46.7	46.7	88.4	88.4	90.0	90.0
48"		-	-	-	-	70.0	70.0
54"		-	-	-	-	70.0	70.0
57"		-	-	-	-	70.0	70.0
60"		-	-	-	-	70.0	70.0
63"		-	-	-	-	68.6	68.6
66"		-	-	-	-	50.0	50.0
69"		-	-	-	-	50.0	50.0
72"		-	-	-	-	50.0	50.0
75"		-	-	-	-	50.0	50.0
78"		-	-	-	-	50.0	50.0
81"		-	-	-	-	50.0	50.0
87"		-	-	-	-	50.0	50.0

PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS REFER TO SHEETS 7 THRU 12 FOR INSTALLATION DETAILS							
WINDOW DIMS.		GLASS TYPE '2'		GLASS TYPE '3'		GLASS TYPE '6'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
24"	84"	110.0	114.4	110.0	120.0	110.0	120.0
30"		65.7	65.7	90.0	90.0	90.0	90.0
36"		48.6	48.6	90.0	90.0	90.0	90.0
42"		-	-	-	-	90.0	90.0
48"		-	-	-	-	70.0	70.0
54"		-	-	-	-	70.0	70.0
57"		-	-	-	-	70.0	70.0
60"		-	-	-	-	70.0	70.0
63"		-	-	-	-	50.0	50.0
66"		-	-	-	-	50.0	50.0
69"		-	-	-	-	50.0	50.0
72"		-	-	-	-	50.0	50.0
75"		-	-	-	-	50.0	50.0
24"	96"	88.6	88.6	110.0	120.0	110.0	120.0
30"		57.9	57.9	90.0	90.0	90.0	90.0
36"		43.0	43.0	90.0	90.0	90.0	90.0
42"		-	-	-	-	70.0	70.0
48"		-	-	-	-	70.0	70.0
54"		-	-	-	-	50.0	50.0
57"		-	-	-	-	50.0	50.0
60"		-	-	-	-	50.0	50.0
63"		-	-	-	-	50.0	50.0
66"		-	-	-	-	50.0	50.0
24"	108"	70.4	70.4	90.0	90.0	90.0	90.0
30"		56.4	56.4	90.0	90.0	90.0	90.0
36"		-	-	-	-	70.0	70.0
42"		-	-	-	-	70.0	70.0
48"		-	-	-	-	50.0	50.0
54"		-	-	-	-	50.0	50.0
57"		-	-	-	-	50.0	50.0
60"		-	-	-	-	50.0	50.0
24"	120"	59.5	59.5	90.0	90.0	90.0	90.0
30"		-	-	-	-	90.0	90.0
36"		-	-	-	-	70.0	70.0



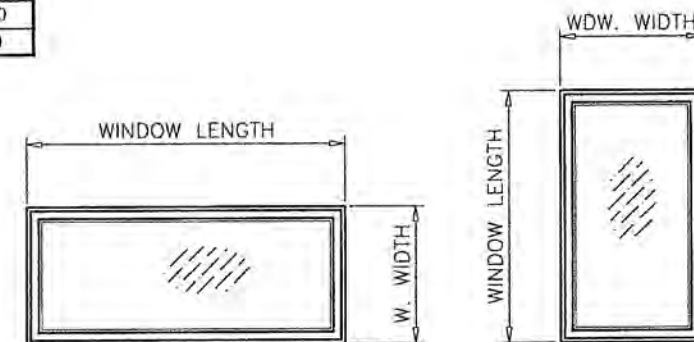
PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS REFER TO SHEETS 7 THRU 12 FOR INSTALLATION DETAILS					
WINDOW DIMS.		GLASS TYPE '2A'		GLASS TYPE '3A'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
24"	36"	110.0	180.0	110.0	180.0
30"		110.0	144.0	110.0	144.0
36"		110.0	120.0	110.0	120.0
42"		110.0	120.0	110.0	120.0
48"		110.0	111.3	110.0	120.0
54"		93.8	93.8	110.0	120.0
57"		87.0	87.0	110.0	116.9
60"		81.7	81.7	120.0	114.3
63"		77.0	77.0	120.0	112.0
66"		72.7	72.7	90.0	90.0
69"		68.5	68.5	90.0	90.0
72"		64.7	64.7	90.0	90.0
75"		61.4	61.4	90.0	90.0
78"		58.4	58.4	90.0	90.0
81"		53.4	53.4	90.0	90.0
84"		51.6	51.6	90.0	90.0
87"		49.9	49.9	90.0	90.0
24"	42"	110.0	168.0	110.0	168.0
30"		110.0	144.0	110.0	144.0
36"		110.0	120.0	110.0	120.0
42"		102.9	102.9	96.9	102.9
48"		92.7	92.7	96.9	102.9
54"		81.7	81.7	96.9	102.9
57"		76.7	76.7	90.0	90.0
60"		72.1	72.1	90.0	90.0
63"		67.9	67.9	90.0	90.0
66"		63.9	63.9	90.0	90.0
69"		58.8	58.8	90.0	90.0
72"		55.2	55.2	90.0	90.0
75"		52.2	52.2	90.0	90.0
78"		49.6	49.6	90.0	90.0
81"		47.6	47.6	90.0	90.0
24"	48"	110.0	160.0	110.0	160.0
30"		110.0	120.0	110.0	120.0
36"		110.0	111.3	110.0	120.0
42"		92.7	92.7	96.9	102.9
48"		82.1	82.1	84.8	90.0
54"		74.2	74.2	90.0	90.0
57"		70.4	70.4	90.0	90.0
60"		69.0	69.0	90.0	90.0
63"		64.6	64.6	90.0	90.0
66"		60.5	60.5	90.0	90.0
69"		57.0	57.0	90.0	90.0
72"		53.7	53.7	90.0	90.0

PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS REFER TO SHEETS 7 THRU 12 FOR INSTALLATION DETAILS					
WINDOW DIMS.		GLASS TYPE '2A'		GLASS TYPE '3A'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
24"	54"	110.0	151.0	110.0	154.3
30"		109.7	109.7	110.0	120.0
36"		93.8	93.8	110.0	120.0
42"		81.7	81.7	96.9	102.9
48"		74.2	74.2	90.0	90.0
54"		71.6	71.6	80.0	80.0
57"		67.6	67.6	80.0	80.0
60"		64.0	64.0	80.0	80.0
24"	60"	110.0	120.0	110.0	120.0
30"		96.9	96.9	110.0	120.0
36"		81.7	81.7	110.0	114.3
42"		72.1	72.1	90.0	90.0
48"		69.0	69.0	90.0	90.0
54"		64.0	64.0	80.0	80.0
57"		61.2	61.2	75.8	75.8
24"	66"	110.0	120.0	110.0	120.0
30"		86.9	86.9	110.0	120.0
36"		72.7	72.7	90.0	90.0
42"		63.9	63.9	90.0	90.0
48"		60.5	60.5	90.0	90.0
24"	72"	110.0	118.4	110.0	120.0
30"		81.8	81.8	110.0	120.0
36"		64.7	64.7	90.0	90.0
42"		55.2	55.2	90.0	90.0
48"		53.7	53.7	90.0	90.0
24"	78"	110.0	114.8	110.0	120.0
30"		74.6	74.6	110.0	118.9
36"		58.4	58.4	90.0	90.0
42"		49.6	49.6	90.0	90.0
24"	84"	110.0	120.0	110.0	120.0
30"		69.8	69.8	90.0	90.0
36"		51.6	51.6	90.0	90.0
42"		94.1	94.1	110.0	120.0
30"	96"	61.6	61.6	90.0	90.0
36"		45.6	45.6	90.0	90.0
24"	108"	74.8	74.8	90.0	90.0
30"		59.9	59.9	90.0	90.0
24"	120"	63.2	63.2	90.0	90.0
24"		49.8	49.8	90.0	90.0
24"	132"	43.8	43.8	90.0	90.0
24"		43.8	43.8	90.0	90.0



PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS REFER TO SHEETS 7 THRU 12 FOR INSTALLATION DETAILS					
WINDOW DIMS.		GLASS TYPE '2A'		GLASS TYPE '3A'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	26"	110.0	195.0	110.0	195.0
26-1/2"		110.0	166.2	110.0	166.2
37"		110.0	166.2	110.0	166.2
53-1/8"		110.0	120.0	110.0	120.0
19-1/8"	38-3/8"	110.0	195.0	110.0	195.0
26-1/2"		110.0	163.0	110.0	163.0
37"		110.0	116.8	110.0	116.8
53-1/8"		89.3	89.3	110.0	112.6
19-1/8"	50-5/8"	110.0	185.7	110.0	185.7
26-1/2"		110.0	139.4	110.0	147.2
37"		100.6	100.9	110.0	116.8
53-1/8"		72.1	72.1	85.3	85.3
19-1/8"	63"	110.0	177.5	110.0	177.5
26-1/2"		109.1	109.1	110.0	120.0
37"		74.9	74.9	110.0	110.2
53-1/8"		61.3	61.3	81.3	81.3
19-1/8"	74-1/4"	110.0	120.0	110.0	120.0
26-1/2"		95.4	95.4	110.0	120.0
37"		60.4	60.4	90.0	90.0

NOTE:
LOAD AREA LIMITS
FOR +110, -195 PSF = 9.32 SQ. FT.
+110, -120 PSF = 16.2 SQ. FT.
+90, -90 PSF = 24.0 SQ. FT.



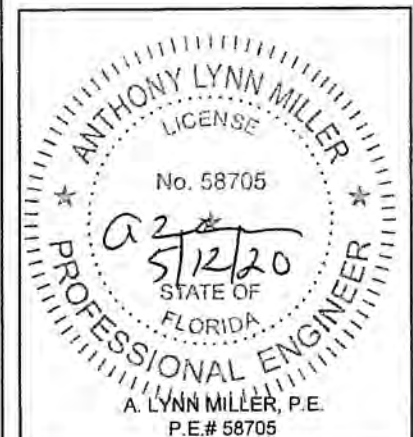
NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED
VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS).

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0519.14**
Expiration Date **10/26/2023**
By **Miami-Dade Product Control**

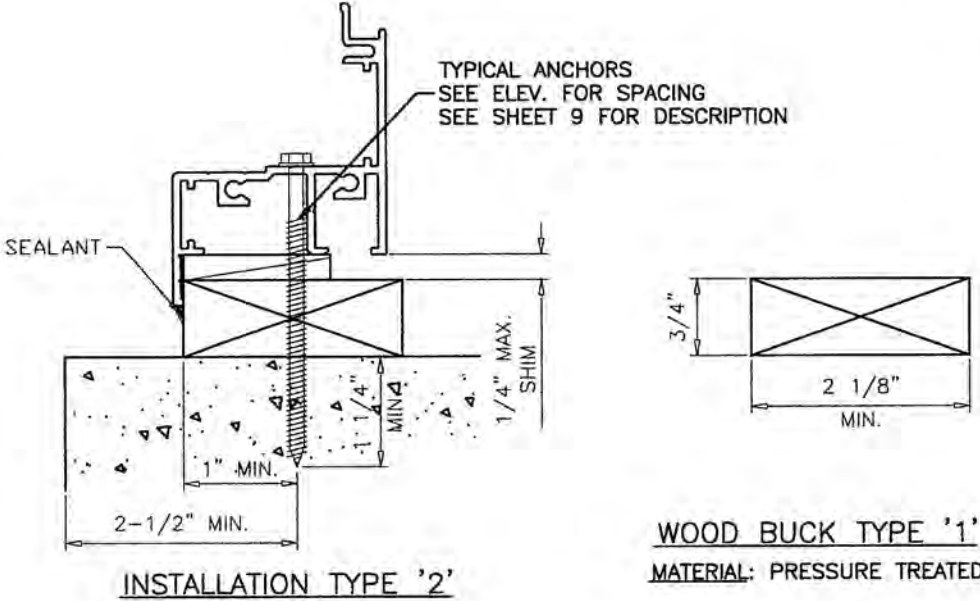
Revision: A) ADDED BACKBEDDING.
AK - 05/12/20

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 05/12/20		AGK		MD-PW238		A	
WINDOOR® INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400		DESIGN PRESSURE TABLES		238 FIXED WINDOW		PW238		6 OF 11	

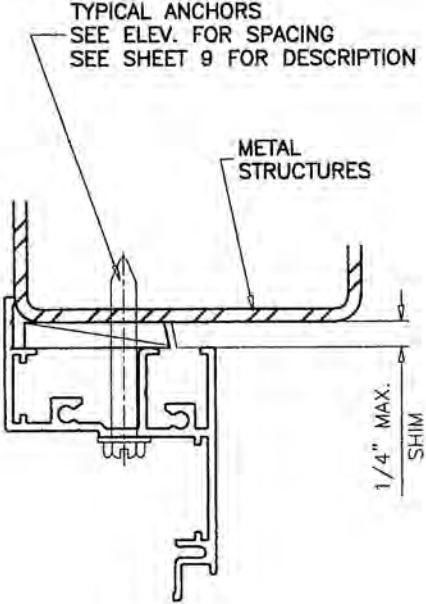


INSTALLATION CONDITIONS FLANGE FRAME (APPLIES TO ALL FOUR SIDES)

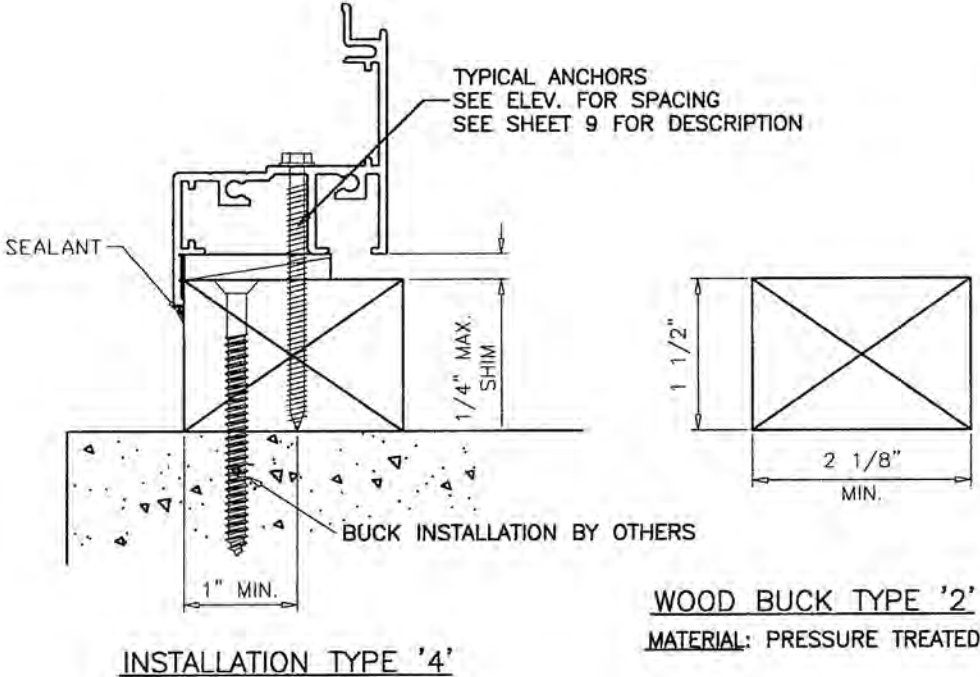
FOR ANCHOR PERFORMANCE VALUES SEE SHEETS 9



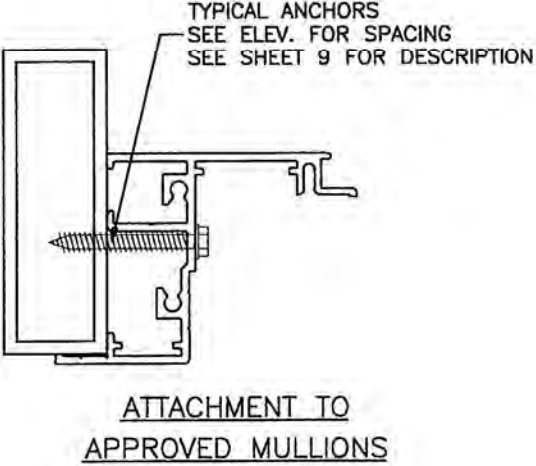
TYPICAL INSTALLATION DETAIL
ON ALL FOUR SIDES/USING WOOD



ATTACHMENT TO
METAL STRUCTURES



TYPICAL INSTALLATION DETAIL
ON ALL FOUR SIDES/USING WOOD



WOOD BUCKS NOT BY WINDOOR INC. MUST SUSTAIN
LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER
THEM TO THE BUILDING STRUCTURE.

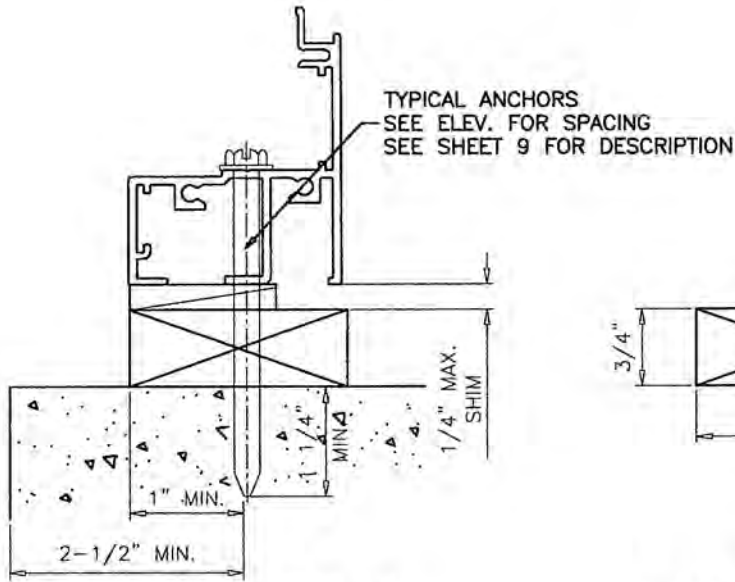
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0519.14**
Expiration Date **10/26/2023**
By 
Miami-Dade Product Control

Revision: A) NO CHANGES THIS SHEET.
AK - 05/12/20

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	05/12/20	AGK	MD-PW238	A
WINDOOR® INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400	INSTALLATION DETAILS	238 FIXED WINDOW	PW238	NTS	7 OF 11
A. LYNN MILLER, P.E. P.E.# 58705	5/12/20	STATE OF FLORIDA	PROFESSIONAL ENGINEER	A2	No. 58705

INSTALLATION CONDITIONS EQUAL LEG FRAME (APPLIES TO ALL FOUR SIDES)

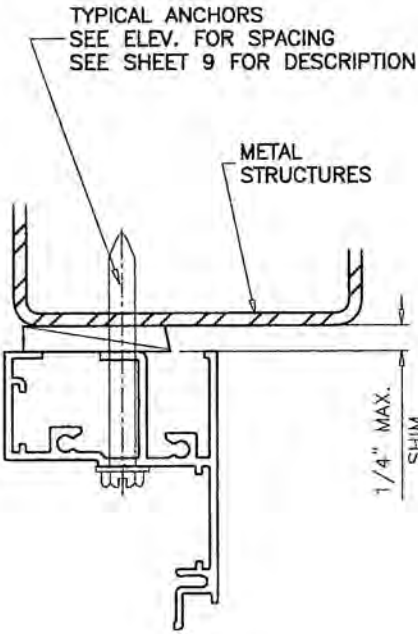
FOR ANCHOR PERFORMANCE VALUES SEE SHEETS 9



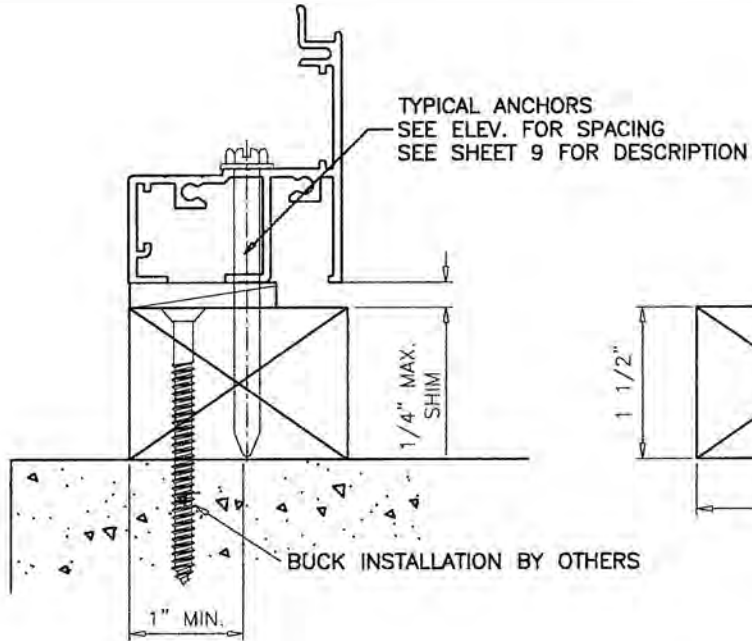
INSTALLATION TYPE '2'

WOOD BUCK TYPE '1'
MATERIAL: PRESSURE TREATED

**TYPICAL INSTALLATION DETAIL
ON ALL FOUR SIDES/USING WOOD**



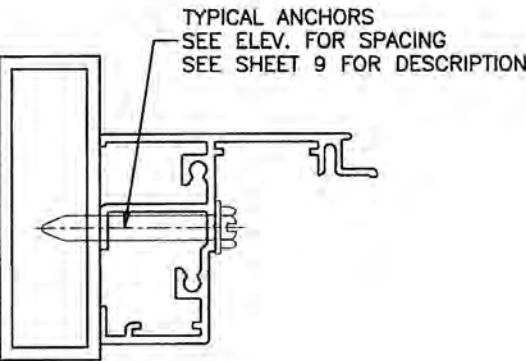
**ATTACHMENT TO
METAL STRUCTURES**



INSTALLATION TYPE '4'

WOOD BUCK TYPE '2'
MATERIAL: PRESSURE TREATED

**TYPICAL INSTALLATION DETAIL
ON ALL FOUR SIDES/USING WOOD**



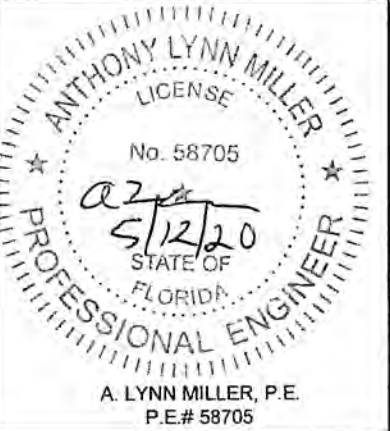
**ATTACHMENT TO
APPROVED MULLIONS**

WOOD BUCKS NOT BY WINDOOR INC. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0519.14**
Expiration Date **10/26/2023**
By
Miami-Dade Product Control

Revision: A) NO CHANGES THIS SHEET.
AK - 05/12/20

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	05/12/20	AGK	MD-PW238	A
WINDOOR® INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400	INSTALLATION DETAILS	238 FIXED WINDOW	PW238	NTS	8 OF 11
A. LYNN MILLER, P.E. P.E.# 58705	A. LYNN MILLER, P.E. P.E.# 58705	A. LYNN MILLER, P.E. P.E.# 58705	A. LYNN MILLER, P.E. P.E.# 58705	A. LYNN MILLER, P.E. P.E.# 58705	A. LYNN MILLER, P.E. P.E.# 58705



**PERFORMANCE VALUES OF
INSTALLATION ANCHORS
REFER TO SHEETS 7 & 8 FOR DETAILS**

WINDOW DIMS.		EXT. (+)
WIDTH	HEIGHT	INT. (-)
24"	36"	195.0
30"		195.0
36"		195.0
42"		195.0
48"		195.0
54"		195.0
57"		195.0
60"		184.4
63"		172.1
66"		161.3
69"	42"	189.8
72"		179.3
75"		169.8
78"		161.3
81"		153.7
84"		146.7
87"		168.3
24"		195.0
30"		195.0
36"		195.0
42"		195.0
48"		184.4
54"		195.0
57"		184.4
60"		170.2
63"		158.0
66"		147.5
69"		172.9
72"		162.7
75"	48"	153.7
78"		145.6
81"		138.3
84"		131.7
87"		150.9
24"		195.0
30"		195.0
36"		193.6
42"		184.4
48"		181.5
54"		181.5
57"		176.0
60"		161.3
63"		148.9
66"		138.3
69"		161.3
72"		151.3
75"		142.4
78"		134.4
81"		127.4
84"		121.0
87"		138.3

**PERFORMANCE VALUES OF
INSTALLATION ANCHORS
REFER TO SHEETS 7 & 8 FOR DETAILS**

WINDOW DIMS.		EXT. (+)
WIDTH	HEIGHT	INT. (-)
24"	54"	195.0
30"		195.0
36"		195.0
42"		195.0
48"		181.5
54"		191.2
57"		172.1
60"		158.4
63"		143.4
66"		132.4
69"	60"	153.7
72"		143.4
75"		134.4
78"		126.5
81"		119.5
84"		113.2
87"		129.1
24"		195.0
30"		195.0
36"		184.4
42"		170.2
48"		161.3
54"		156.4
57"		155.3
60"		154.9
63"		140.8
66"		129.1
69"		148.9
72"	66"	138.3
75"		129.1
78"		121.0
81"		113.9
84"		107.6
87"		122.3
24"		195.0
30"		182.2
36"		161.3
42"		147.5
48"		138.3
54"		132.4
57"		130.4
60"		129.1
63"		128.3
66"		128.0
69"		128
72"		128.0
75"		125.7
78"		117.3
81"		110.0
84"		103.5
87"		117.3

**PERFORMANCE VALUES OF
INSTALLATION ANCHORS
REFER TO SHEETS 7 & 8 FOR DETAILS**

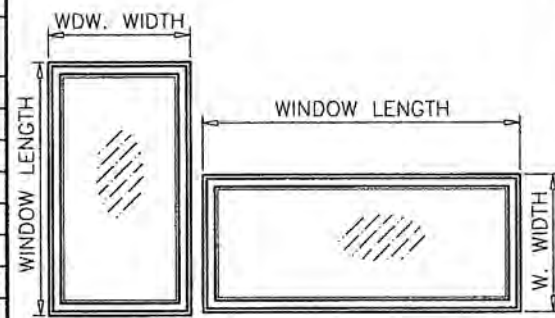
WINDOW DIMS.		EXT. (+)
WIDTH	HEIGHT	INT. (-)
24"	72"	195.0
30"		195.0
36"		179.3
42"		162.7
48"		151.3
54"		143.4
57"		140.5
60"		138.3
63"		136.6
66"		128
69"	78"	134.7
72"		134.4
75"		124.1
78"		115.2
81"		107.6
84"		100.8
87"		113.9
24"		195.0
30"		184.4
36"		161.3
42"		145.6
48"		134.4
54"		126.5
57"		123.5
60"		121.0
63"		119.0
66"		117.3
69"		116.1
72"	84"	115.2
75"		114.7
78"		114.6
81"		106.4
24"		195.0
30"		168.3
36"		146.7
42"		131.7
48"		121.0
54"		113.2
57"		110.2
60"		107.6
63"		105.4
66"		103.5
69"		102.0
72"		100.8
75"		99.9
24"	96"	195.0
30"		172.1
36"		148.9
42"		132.8
48"		121.0
54"		112.2
57"		108.7
60"		105.6
63"		102.6
66"		100.6

**PERFORMANCE VALUES OF
INSTALLATION ANCHORS
REFER TO SHEETS 7 & 8 FOR DETAILS**

WINDOW DIMS.		EXT. (+)
WIDTH	HEIGHT	INT. (-)
24"	108"	195.0
30"		174.9
36"		150.6
42"		133.5
48"		121.0
54"		111.5
57"		107.7
60"		104.2
24"	120"	188.2
30"		154.9
36"		132.9
42"		117.3
48"		105.9
54"		97.1
24"	132"	193.6
30"		158.9
36"		135.9
42"		119.6
48"		107.6
24"	144"	195.0
30"		162.1
36"		138.3
42"		121.4
24"	156"	181.5
30"		148.3
36"		126.3

**PERFORMANCE VALUES OF
INSTALLATION ANCHORS
REFER TO SHEETS 7 & 8 FOR DETAILS**

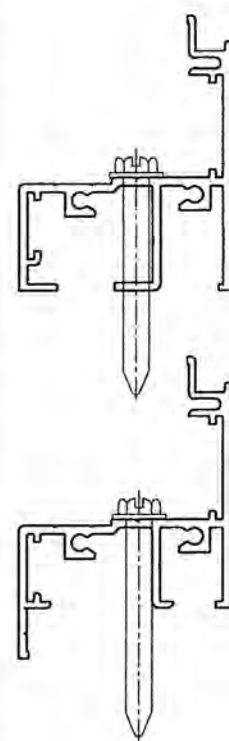
WINDOW DIMS.		EXT. (+)
WIDTH	HEIGHT	INT. (-)
19-1/8"	26"	195.0
26-1/2"		195.0
37"		195.0
53-1/8"		195.0
19-1/8"	38-3/8"	195.0
26-1/2"		195.0
37"		195.0
53-1/8"		195.0
19-1/8"	50-5/8"	195.0
26-1/2"		195.0
37"		195.0
53-1/8"		184.1
19-1/8"	63"	195.0
26-1/2"		195.0
37"		169.3
53-1/8"		144.0
19-1/8"	74-1/4"	195.0
26-1/2"		195.0
37"		168.9
53-1/8"		137.6



NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED
VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.
INTERPOLATION BETWEEN SIZES ALLOWED.

TYPICAL ANCHORS:

1/4" DIA. KWIK-CON II BY 'HILTI' (Fu=163 KSI, Fy=157 KSI)
1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 DIRECTLY INTO CONC. OR MASONRY
 1-3/4" MIN. EMBED INTO CONC. OR FILLED BLOCKS
1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
#14 SMS OR SELF DRILLING SCREWS (Fu=74 KSI, Fy=57 KSI)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")
 INTO METAL STRUCTURES
 STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.
 WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED NORMAL WEIGHT BLOCK AT JAMBS f'm = 2000 PSI MIN.

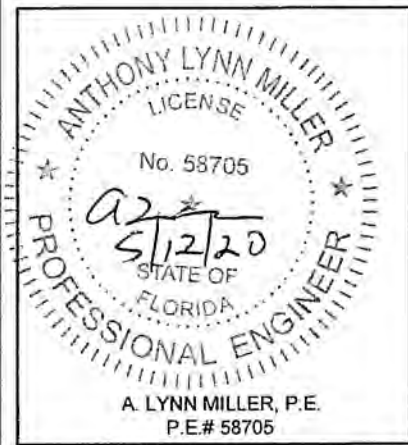


NOTE:
INTERPOLATION BETWEEN SIZES ALLOWED.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0519.14**
Expiration Date **10/26/2023**
By
Miami-Dade Product Control

Revision: A) ADDED ULTRACON+.
AK - 05/12/20

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296		Date	05/12/20	Rev	A
	ANCHOR TABLES		By	AGK	DWG	MD-PW238
	238 FIXED WINDOW		No.	9 OF 11	Scale	
	PW238		NTS			

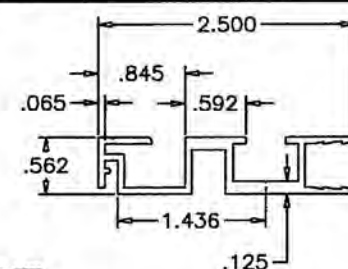


PERFORMANCE VALUES OF ALUM BUCK INSTALLATION ANCHORS				PERFORMANCE VALUES OF ALUM BUCK INSTALLATION ANCHORS				PERFORMANCE VALUES OF ALUM BUCK INSTALLATION ANCHORS				PERFORMANCE VALUES OF ALUM BUCK INSTALLATION ANCHORS				PERFORMANCE VALUES OF ALUM BUCK INSTALLATION ANCHORS			
WINDOW DIMS.		ANCHORS AT 17" O.C.	ANCHORS AT 10" O.C.	WINDOW DIMS.		ANCHORS AT 17" O.C.	ANCHORS AT 10" O.C.	WINDOW DIMS.		ANCHORS AT 17" O.C.	ANCHORS AT 10" O.C.	WINDOW DIMS.		ANCHORS AT 17" O.C.	ANCHORS AT 10" O.C.	WINDOW DIMS.		ANCHORS AT 17" O.C.	ANCHORS AT 10" O.C.
WIDTH	HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	WIDTH	HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	WIDTH	HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	WIDTH	HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	WIDTH	HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
24"	36"	195.0	195.0	24"	54"	169.1	195.0	24"	72"	148.0	195.0	24"	96"	126.9	195.0	19-1/8"	26"	195.0	195.0
30"		195.0	195.0	30"		145.7	195.0	30"		124.6	174.5	30"		105.2	175.4	26-1/2"		195.0	195.0
36"		195.0	195.0	36"		131.6	195.0	36"		109.6	153.5	36"		91.1	151.8	37"		195.0	195.0
42"		148.0	195.0	42"		123.0	184.5	42"		99.5	139.3	42"		81.2	135.3	53-1/8"		163.4	195.0
48"		157.9	195.0	48"		118.4	177.6	48"		92.5	129.5	48"		74.0	123.3	19-1/8"	38-3/8"	195.0	195.0
54"		131.6	195.0	54"		116.9	175.4	54"		67.7	122.8	54"		68.6	114.4	26-1/2"		192.1	195.5
57"		121.4	182.2	57"		105.2	157.9	57"		86.0	120.3	57"		66.5	110.8	37"		173.9	195.0
60"		112.8	169.1	60"		95.7	143.5	60"		84.6	118.4	60"		64.6	107.6	53-1/8"		130.9	195.0
63"		105.2	184.2	63"		87.7	153.5	63"		83.5	116.9	63"		62.9	104.9	19-1/8"	50-5/8"	195.0	195.0
66"		123.3	172.7	66"		101.2	141.7	66"		82.8	115.9	66"		61.5	102.5	26-1/2"		172.1	195.0
69"		116.1	162.5	69"		94.0	131.6	69"		82.4	115.3	24"	108"	129.5	195.0	37"		143.4	179.3
72"		109.6	153.5	72"		67.7	122.8	72"		82.2	115.1	30"		106.9	168.1	53-1/8"		121.1	166.3
75"		103.9	166.2	75"		82.2	131.6	75"		75.9	115.1	36"		92.1	144.7	19-1/8"	63"	166.8	195.0
78"		98.7	157.9	78"		77.4	123.8	78"		70.5	112.8	42"		81.7	128.3	26-1/2"		129.3	195.0
81"		112.8	150.3	81"		67.7	116.9	81"		78.9	105.2	48"		84.0	116.3	37"		103.6	181.2
84"		107.6	161.5	84"		63.1	124.6	84"		74.0	111.0	54"		68.2	107.2	53-1/8"		88.1	154.1
87"		103.0	154.4	87"		78.9	118.4	87"		69.6	104.5	57"		65.8	103.5	19-1/8"	74-1/4"	172.3	195.0
24"	42"	177.6	195.0	24"	60"	148.0	195.0	24"	78"	134.5	195.0	60"		63.8	100.2	26-1/2"		131.8	195.0
30"		157.9	195.0	30"		126.3	189.4	30"		112.8	180.4	24"	120"	131.6	195.0	37"		103.3	165.3
36"		148.0	195.0	36"		112.8	169.1	36"		98.7	157.9	30"		108.3	162.4	53-1/8"		84.1	134.6
42"		145.0	193.3	42"		104.1	156.1	42"		89.0	142.4	36"		92.9	139.3				
48"		145.0	187.9	48"		98.7	148.0	48"		82.2	131.6	42"	132"	82.0	123.0				
54"		123.0	184.5	54"		95.7	143.5	54"		77.4	123.8	48"		74.0	111.0				
57"		112.8	169.1	57"		95.0	142.4	57"		75.5	120.9	24"	144"	67.9	101.8				
60"		104.1	156.1	60"		94.7	142.1	60"		74.0	116.4	30"		133.2	192.4				
63"		96.7	169.1	63"		86.1	142.1	63"		72.7	116.4	36"		109.3	157.9				
66"		112.8	157.9	66"		94.7	138.1	66"		71.8	114.8	42"	156"	93.5	135.0				
69"		105.7	148.0	69"		91.1	127.5	69"		71.0	113.6	48"		82.3	118.9				
72"		99.5	139.3	72"		84.6	118.4	72"		70.5	112.8	24"		74.0	106.9				
75"		94.0	150.3	75"		78.9	126.3	75"		70.2	112.3	30"		121.1	195.0				
78"		89.0	142.4	78"		74.0	118.4	78"		70.1	112.1	36"		99.1	165.2				
81"		101.5	135.3	81"		83.6	111.4	81"	84"	70.1	104.1	42"		84.6	141.0				
84"	48"	96.7	145.0	84"		78.9	118.4	84"		148.0	195.0	48"		84.3	123.8				
87"		92.3	138.4	87"		74.8	112.2	87"		123.5	185.3	24"		123.3	195.0				
24"		195.0	195.0	24"		164.4	195.0	24"		107.6	161.5	30"		100.8	161.2				
30"		172.2	195.0	30"		139.3	195.0	30"		96.7	145.0	36"		85.8	137.3				
36"		157.9	195.0	36"		123.3	172.7	36"		88.6	133.2								
42"		145.0	187.9	42"		112.8	157.9	42"		63.1	124.6								
48"		148.0	185.0	48"		105.7	148.0	48"		80.8	121.3								
54"		118.4	177.6	54"		101.2	141.7	54"		78.9	118.4								
57"		107.6	161.5	57"		99.7	139.6	57"		77.3	116.0								
60"		98.7	148.0	60"		94.7	138.1	60"		76.0	114.0								
63"		91.1	159.4	63"		85.9	137.3	63"		74.9	112.3								
66"		105.7	148.0	66"		97.9	137.0	66"		74.0	111.0								
69"		98.7	138.1	69"		89.7	125.6	69"		73.3	110.0								
72"		92.5	129.5	72"		82.8	115.9	72"											
75"		87.1	139.3	75"		76.9	123.0	75"											
78"		82.2	131.6	78"		71.8	114.8	78"											
81"		93.5	124.6	81"		80.7	107.6	81"											
84"		88.8	133.2	84"		76.0	114.0	84"											
87"		84.6	126.9	87"		71.8	107.6	87"											

NOTE:
INTERPOLATION BETWEEN SIZES ALLOWED.

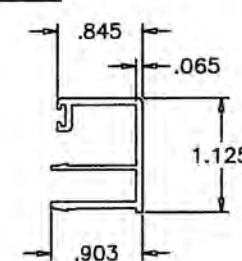
ALUMINUM BUCK FRAMING DETAIL

REFER TO SHEETS 4 THRU 6 FOR WINDOW CAPACITIES
USE LOWER APPLICABLE VALUES.



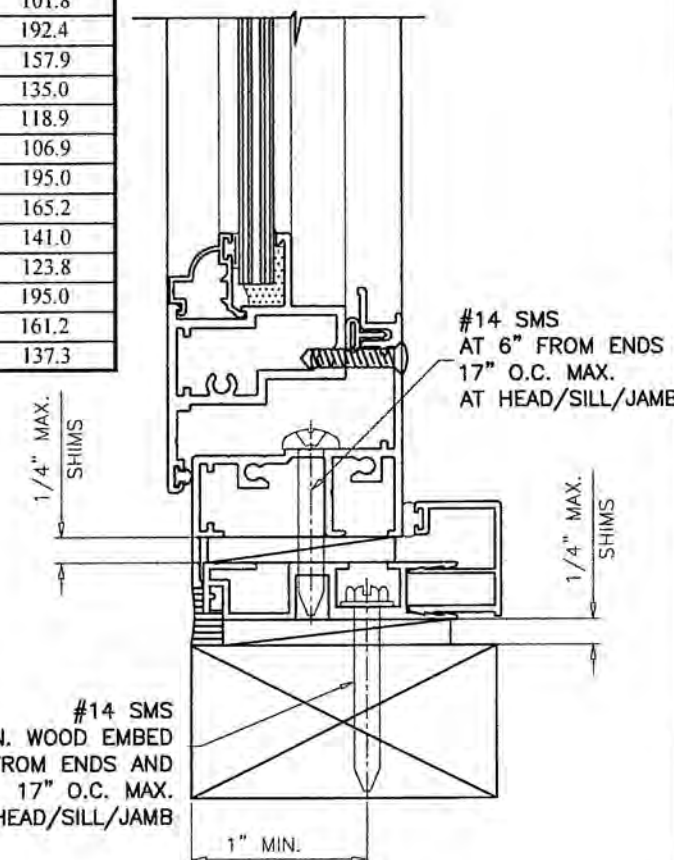
ALUMINUM BUCK

6063-T6



OPTIONAL COVER

6063-T6



INSTALLATION TYPE '5'

2BY WOOD BUCK OR WOOD STRUCTURES
TYPICAL INSTALLATION DETAIL

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0519.14**

Expiration Date **10/26/2023**

By 
Miami-Dade Product Control

Revision: A) NO CHANGES THIS SHEET.
AK - 05/12/20

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600				REGISTRATION #29296									
ALUMINUM BUCK				Date		05/12/20							
				238 FIXED WINDOW				AGK					
								Drawn		By			
								DWG No.		MD-PW238			
PW238		Scale		NTS		Sheet		10 OF 11		Rev		A	

