

MIAMI-DADE COUNTY, FLORIDA PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/building

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

NOTICE OF ACCEPTANCE (NOA)

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 "410" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. PW410LMI-NOA, titled "Series 410 Fixed Window (L.M.I.)", sheets 1 through 11 of 11, dated 06/05/19, with revision A dated 05/07/20, 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, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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

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

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

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

This NOA revises NOA No. 19-0611.07 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.



9,2.

NOA No. 20-0519.16 Expiration Date: June 03, 2024 Approval Date: October 28, 2020

Page 1

06/25/2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections
- 2. Drawing No. PW410LMI-NOA, titled "Series 410 Fixed Window (L.M.I.)", sheets 1 through 11 of 11, dated 06/05/19, with revision A dated 05/07/20, 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. **OUALITY ASSURANCE**

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

E. MATERIAL CERTIFICATIONS (See NOA #20-0519.05)

- 1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their "SentryGlas® (Clear and White) Glass Interlayers" dated 12/28/17, expiring on 07/04/23.
- 2. 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.

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Sifang Zhao, P.E.
Product Control Examiner
NOA No. 20-0519.16
Expiration Date: June 03, 2024
Approval Date: October 28, 2020

WinDoor, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

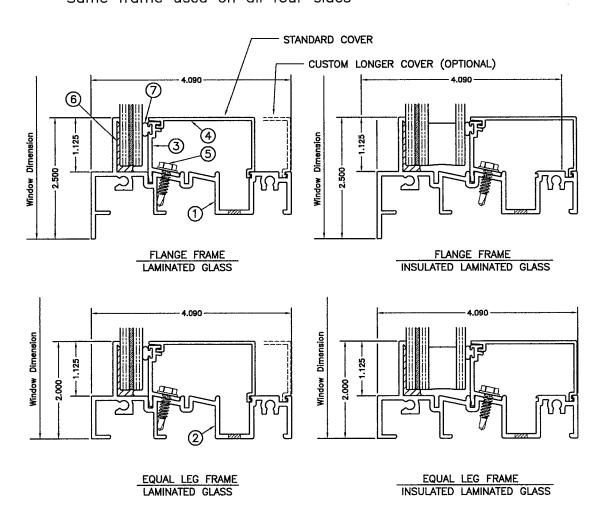
- 1. Private labeling agreement between WinDoor, Inc. and CGI Windows and Doors, Inc. document in conformance of RER guideline dated 09/12/2018. (Submitted under NOA No. 18-1001.12)
- 2. Notice of Acceptance No. 18-1001.12, issued to WinDoor, Inc. for their Series "410" Aluminum Fixed Window L.M.I. approved on 12/12/18 and expiring on 06/03/24.
- 3. Notice of Acceptance No. **20-0519.11**, issued to CGI Windows and Doors, Inc. for their Series "410" Aluminum Fixed Window L.M.I. approved on 09/24/2020 and expiring on 06/03/24.

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Sifang Zhao, P.E.
Product Control Examiner
NOA No. 20-0519.16
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AVAILABLE FRAME TYPES

Same frame used on all four sides



SERIES 410 FIXED WINDOWS - LARGE & SMALL MISSILE

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIX./FIX. OR FIX. WDW. WITH OTHER MIAMI—DADE COUNTY APPROVED WINDOWS USING MIAMI—DADE COUNTY APPROVED MULLIONS IN BETWEEN.

LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

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

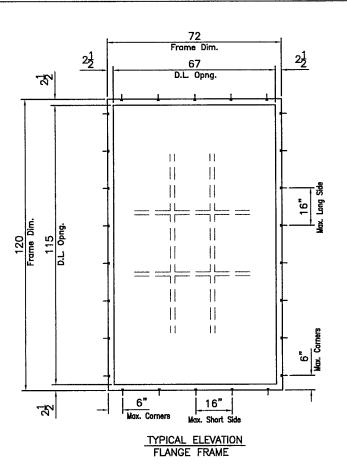
1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

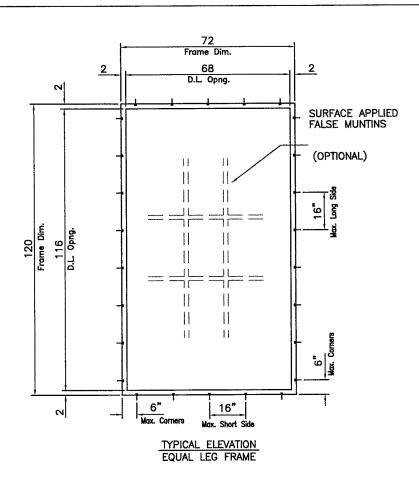
ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

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 A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND 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 FOR USING CAPACITY CHARTS:

- STEP 1 DETERMINE THE REQUIRED DESIGN PRESSURES FOR A GIVEN WINDOW OPENING.
- STEP 2

 DETERMINE THE CAPACITY OF THE WINDOW
 SIZE/CONFIGURATION/GLASS TYPE FROM CHARTS ON
 SHEETS 2 AND 3.
 FOR INSTALLATION ANCHOR TYPES SEE SHEETS 4 & 5.
- STEP 3 IF ALUMINUM BUCKS ARE USED, VERIFY THE BUCK INSTALLATION CAPACITY FROM SHEET 9.
- STEP 4 FOR UNCLIPPED MULLED WINDOWS DETERMINE MULLION CAPACITY FOR 1X4 AND 2X6 TUBES FROM CHARTS ON SHEETS 6 & 8.
- STEP 5 FOR MULLION ANCHOR CAPACITY SEE CHART ON SHEET 7.

THE LOWEST SELECTED VALUE APPLY TO THE INSTALLATION AND MUST EQUAL OR EXCEED THE REQUIRED DESIGN PRESSURES OBTAINED FROM STEP 1.

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

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0519.16

Expiration Date 06/03/2024

Miami-Dade Product Control

								WWW.
Title:				Drawn B	/ :		TA7mTDOOD®	NAVATANA TANA
SERIES 410 FIX	ED WIN	DOW - LM			AGK		WINDOOR®	LICENSE !!
							INCORPORATED	[54]
Description:					Date:		7500 AMSTERDAM DRIVE	E No. 58705 : =
NOTES, ELEVA	TIONS				06/0	5/19	ORLANDO, FL 32832 (407) 481-8400	***
*							(401)-401-0400	ED CAPT
Revision:				Rev. By:	Rev. Dat	e:	PREPARED BY LYNN MILLER	E及: 51220:6:11
ANCHOR TYPE	S. UPDA	TED TO FBO	C 2020	JR	05/0	7/20	1070 TECHNOLOGY DRIVE	STATE OF YUS
/ ((101101() 1) L	o, o,						N. VENICE, FL 34275	CONTROL CONTRO
Series/Model:	Scale:	Sheet:	Drawing N	o.		Rev:	(941) 480-1600	WONAL ENVI
PW-410 LM	NTS	1 OF 11	PW41	OLMI-	NOA	lΑ	` '	//////////////////////////////////////
I VV TIO LIVI	1110		' '''	- C-1711		'`	REGISTRATION #29296	A. LYNN MILLER, P.E. P.E.# 58705

		DES		OAD (CAPACI	TY -	CLASS	TYPE 2	
DIM. 1	DIM. 2	ANC			HOR	ANC	HOR		HOR
INCHES	INCHES	OPTIO		OPTI		ОРТІ		OPTI	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(
30		120.0	150.0	120.0	150.0	133.0	150.0	133.0	150.0
36		120.0	150.0	120.0	150.0	133.0	150,0 150,0	133.0	150.0
42 48		120.0 116.5	150,0 116.5	120.0 116.5	150.0	133.0	150.0	133.0	150.0
51		110.4	110.4	110.4	110.4	133.0	138.8	133.0	150.
54		105.9	105.9	105.9	105.9	124.9	124.9	133.0	150.0
57	48	100.6	100,6	100,6	100.6	113.5	113.5	133.0	150.9
60		95.7	95.7	95.7	95.7	104.1	104.1	133.0	150.
63		91.1	91.1	91.1	91.1	120,1	120.1	133.0	150.0
66		86.8	86.8	86.8	86.8	111.5	111.5	130.6	147.
69		82.8	82.8	82.8	82,8	104.1	104.1	127.5	143.
72	<u> </u>	77.3	77,3	77,3	77.3	97.6	97.6	124,7	140,
30		120,0	150.0	120.0	150.0	133,0	150,0	133.0	150.
36		120.0	132.3	120.0	132.3	133.0	138.8	133.0	150.
42		115.5	115.5	115.5	115.5	129.7	129.7	133.0	150.
48		105.9	105.9	105.9	105.9	124.9	124.9	133.0	150.
51		101.5	101.5	101,5	101.5	123.7	123.7	133.0	150.
54	54	97.3	97.3	97.3	97.3	123,3	123.3	133,0	150.
57 60		92.7 88.5	92.7	92.7 88.5	92.7 88.5	100.9	111.0	133.0	150.
63		84.4	84,4	84.4	84.4	115.6	115.6	129.3	145.
66		80.6	80.6	80.6	80.6	106.7	106.7	125,0	141.
69		77.1	77,1	77.1	77,1	99.1	99.1	118.9	118.
72		73.9	73.9	73.9	73.9	92.5	92.5	118,9	118.
30		120.0	133,2	120,0	150,0	133.0	133.2	133.0	150.
36		118.9	118.9	120,0	121.1	118.9	118.9	133.0	150.
42		104.8	104.8	104.8	104.8	109.8	109.8	133.0	150.
48		95.7	95.7	95,7	95.7	104.1	104.1	133.0	150.
51		91.9	91.9	91.9	91.9	102,2	102.2	133.0	150.
54	60	88.5	88.5	88.5	88.5	100.9	100,9	133.0	150.
57	"	85.8	85.8	85.8	85.8	100.2	100.2	133.0	150,
60		82.8	82,8	82.8	82,8	99.9	99,9	133,0	150.
63		79.4	79.4	79.4	79.4	99.9	99.9	107.0	107.
66		76.2	76.2	76.2	76.2	99.9	99,9	107.0	107.
69	1	75.0	75.0 72.0	75.0	75.0	96,1 89.2	96.1 89.2	107.0	107.
72 30		72.0 120.0	145.8	72.0 120.0	145.8	133,0	146.9	133,0	150.
36		111.2	111.2	111.2	111.2	130.1	130,1	133,0	150.
42		95.6	95.6	95.6	95.6	118.9	118.9	133.0	150.
48		86.8	86.8	86.8	86.8	111.5	111.5	130.6	147.
51		82.7	82.7	82.7	82.7	108.8	108.8	127.5	143.
54		80,6	80.6	80,6	80,6	106,7	106.7	125.0	141.
57	66	78,4	78.4	78.4	78.4	105,2	105.2	112.6	112.
60		76.2	76.2	76.2	76,2	99.9	99.9	107.0	107.
63		75.2	75.2	75.2	75.2	103.4	103.4	101.9	101.
66		72.4	72.4	72.4	72.4	103,2	103,2	97.3	97.:
69		69.8	69.8	69.8	69.8	94.6	94.6	97.3	97.3
72	<u> </u>	67.4	67,4	67.4	67.4	87.3	87.3	97.3	97.3
30	1	120.0	131.5	120.0	138.1	131.5	131.5	133.0	150.
36		103.2	103.2 87.2	103.2 87.2	103.2 87.2	115.6 104.9	115.6	133.0	150. 150.
42 48		77.3	77.3	77.3	77.3	97.6	97.6	13 3.0	140.
51		75.6	75.6	75.6	75.6	94.8	94.8	125.9	125.
54	1	73.9	73.9	73.9	73.9	92.5	92.5	118.9	118.
57	72	74.5	74,5	74.5	74.5	90.7	90.7	112.6	112.
60	1	72.0	72.0	72.0	72.0	89.2	89.2	107,0	107.
63		69.6	69.6	69.6	69,6	88.1	88.1	101.9	101.
66		67.4	67.4	67.4	67.4	87.3	87.3	97.3	97,3
69	1	66,0	66.0	66.0	66,0	86.9	86.9	93.0	93.0
	1	63,4	63,4	63.4	63.4	86.7	86.7	89.2	89.2

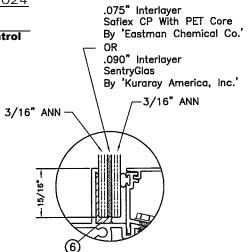
DESIGN LOAD CAPACITY - PSF GLASS TYPE I GLASS TYPE									
DIM. I INCHES	DIM. 2 INCHES	ANC OPTI	HOR ON 1		HOR ON 2	ANC OPTI	HOR ON 1		HOR ON 2
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30		120,0	130.9	120.0	130.9	133.0	142.7	133,0	150.0
36		97.0	97.0	97.0	97.0	124.9	124.9	133.0	150,0
42		80.0	80,0	80.0	80.0	112.7	112.7	130.0	146.6
48		71,1	71.1	71.1	71.1	104.1	104.1	132.8	132.8
51		69.6	69.6	69,6	69.6	100,7	100.7	125.9	125.9
54	78	70.7	70.7	70.7	70,7	97.9	97.9	118.9	118.9
57	'6	68,4	68.4	68,4	68.4	95.6	95.6	112.6	112.6
60		66,4	66.4	66.4	66,4	93,7	93.7	107.0	107.0
63		65.4	65.4	65.4	65.4	92.1	92.1	101.9	101.9
66		63.4	63.4	63.4	63,4	90.8	90.8	97.3	97,3
69		61,3	61.3	61.3	61.3	89.9	89.9	93.0	93.0
72		59.3	59.3	59.3	59.3	86.7	86,7	89.2	89.2
30	l	120,0	125.7	120,0	125.7	130.3	130.3	133.0	150.0
36		91,6	91.6	91.6	91.6	113.5	113.5	133.0	150.0
42		70,7	70.7	70.7	70.7	101.9	101.9	126.7	141.4
48		66.1	66,1	66.1	66,1	93.7	93.7	128.3	128,7
51	-	67.4	67.4	67.4	67.4	90.4	90,4	124,3	124.3
54	84	64,8	64.8	64.8	64.8	87.6	87.6	118.9	118.9
57	"	62.9	62.9	62.9	62.9	85.3	85.3	112,6	112.6
60		62.0	62.0	62.0	62.0	83.3	83.3	107.0	107.0
63		60.3	60.3	60.3	60.3	81,6	81.6	101.9	101.9
66	1	58.6	58.6	58.6	58.6	80.1	80.1	97.3	97.3
69			-	-	-	75.0	75.0	75.0	75,0
72		-	-		-	75.0	75.0	75,0	75,0
30		119.9	119,9	120.0	125.2	119.9	119.9	133.0	150,0
36		86,7	86.7	86.7	86.7	104.1	104.1	133.0	150.0
42		67.7	67.7	67.7	67.7	93.1	93,1	133,0	135.5
48		65.2	65.2	65.2	65.2	85.1	85.1	125,4	125.4
51		62.1	62,1	62.1	62.1	82,0	82.0	120.6	120.8
54	90	59.8	59.8	59.8	59.8	79.3	79.3	116.8	116.8
57	20	58.7	58.7	58.7	58.7	76.9	76.9	112.6	112.6
60		57,0	57.0	57.0	57.0	74.9	74.9	107.0	107.0
63		55.2	55.2	55.2	55.2	73.2	73.2	101.9	101.9
66		-	-	l	-	71.7	71.7	75.0	75.0
69		-	-	-	•	70.4	70.4	75.0	75,0
72	1	-	-	-	-	69.4	69.4	75.0	75.0
30		120.0	123.6	120.0	123.6	129.5	1 42.7	133.0	150.0
36		77.3	77.3	77.3	77.3	112.1	112.1	133.0	150.0
42		65.2	65.2	65.2	65.2	99.9	99,9	130.5	130,5
48		60,6	60,6	60.6	60,6	91,1	91.1	121.3	121.3
5 i		58.6	58.6	58.6	58 6	87.5	87.5	117.3	117.3
54	96	56.0	56.0	56.0	56.0	84.5	84.5	112.0	112.0
57	~	54.0	54.0	54.0	54.0	81.8	81.8	107,9	107,9
60		51.8	51.8	51.8	51,8	79.5	79.5	103.6	103.6
63		-	-		<u> </u>	75.0	75.0	75.0	75.0
66		<u> </u>	<u> </u>	<u> </u>	<u> </u>	75,0	75.0	75.0	75.0
69			<u> </u>	<u> </u>	<u> </u>	74.2	74.2	75.0	75.0
72		-		<u> </u>	-	72.8	72.8	75.0	75.0
30		120.0	120.6	120.0	121.3	120.6	120.6	133.0	150.0
36		75.8	75.8	75.8	75.8	104,1	104.1	133.0	148.9
42		65.7	65.7	65.7	65,7	92.5	92.5	131.3	131.3
48		56,9	56.9	56.9	56.9	84.1	84.1	113.7	113.7
51		54.4	54.4	54.4	54.4	80.7	80,7	108.7	108.7
54	102	51.9	51.9	51.9	51.9	77.7	77.7	103,8	103.8
57	""	-	-	-	-	75.0	75.0	75.0	75,0
60		-	<u> </u>	<u> </u>	<u> </u>	72.8	72.8	75.0	75.0
63		<u> </u>		-		70.9	70.9	75.0	75.0
66		-		-	<u> </u>	69.1	69.1	75.0	75.0
69		-	-	-	<u> </u>	67.6	67.6	75.0	75.0
				-	_ ا	66.2	66.2	75.0	75.0

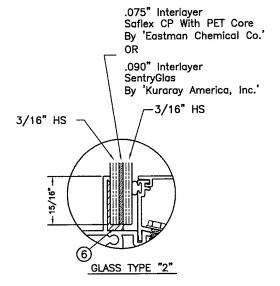
		DES		OAD (CAPAC	ITY -	PSF		
			GLASS	TYPE I			GLASS	TYPE 2	
	DIM 2 INCHES	ANC OPTI	HOR ON I		HOR ON 2	ANC OPTIO	HOR ON 1	ANC OPTIO	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30		112.8	118.2	118.2	118.2	112.8	112.8	133,0	150.0
36		76.1	76.1	76.1	76,1	97.1	97.1	133.0	147.1
42		62.4	62.4	62,4	62.4	86.1	86.1	124.8	124,8
48		54,0	54.0	54.0	54.0	78.1	78.1	108,0	108.0
51		50,8	50.8	50.8	50.8	74.8	74.8	101.7	101,7
54	108	,	,	-	•	71.9	71.9	75.0	75.0
57	108		•	-		69.4	69,4	75.0	75.0
60		-	-	-		67.2	67,2	75.0	75.0
63		-		-	•	65.3	65,3	75.0	75.0
66		-	-	-		63.6	63.6	75.0	75.0
69		-	-	-	•	62.1	62.1	75.0	75.0
72		-		-	-	60.7	60,7	75.0	75.0
30		114.6	114.6	114.6	114,6	121.1	121.1	133.0	150.0
36		76,0	76.0	76.0	76.0	104.1	104.1	133.0	145.6
42		59.6	59.6	59.6	59.6	92.1	92.1	119.2	119.2
48		51.1	51.1	51.1	51.1	83.3	83.3	102.2	102.2
51		-	-	-	•	75.0	75.0	75.0	75.0
54		-	-	-	-	75.0	75.0	75.0	75.0
57	114	-	-	-	-	73.8	73,8	75.0	75.0
60		-	-	-	-	71.4	71.4	75.0	75.0
63		-	-	-	-	69.2	69.2	75.0	75.0
66		-	-	-	-	67.3	67.3	75.0	75.0
69		-	-	-	-	65.6	65.6	75.0	75.0
72		-	-	-	-	64.0	64,0	75,0	75.0
30		110.9	110.9	110.9	110.9	114.2	114,2	133.0	150.0
36		75.8	75.8	75,8	75.8	97.9	97.9	133.0	144.2
42		57.5	57.5	57.5	57.5	86.5	86.5	115,0	115,0
48		48.5	48.5	48.5	48.5	78,1	78.1	97.0	97 .0
51		-	-	-	-	74.6	74.6	75.0	75.0
54	120	-	-	-		71.6	71.6	75.0	75.0
57	120	-	-	-	-	69.0	69.0	75.0	75.0
60		-	-	-	-	66.6	66,6	75.0	75.0
63		-	·	-	-	64.5	64,5	75.0	75.0
66		-	-	-	-	62,6	62.6	75.0	75.0
69		-	-	-	-	61.0	61.0	75.0	75.0
72		-			-	59.5	59.5	75.0	75.0

PRODUCT REVISED as complying with the Florida Building Code 20-0519.16 NOA-No.

Expiration Date 06/03/2024

Miami-Dade Product Control





GLASS TYPE "1"

GLASS TYPES AVAILABLE

ŀ	DIM. 1]	DIM. 1
Ī.	IOTE ONG AND SHORT DIMENSION ONG AND SHORT DIMENSION OR HORIZONTALLY AS SHOW	<i>(</i>	

Title:				Drawn B	y:	T
SERIES 410	FIXED W	INDOW - L	M		AGK	-
Description: LOAD CAPA	CITY - LA	MINATED	GLASS		Date: 06/05/19	
Revision: NO CHANGE	ES THIS S	HEET.		Rev. By: JR	Rev. Date: 05/07/20	
Series /Model:	Scale:	Sheet:	Drawina N	lo.	Rev:	٦.

2 OF 11

PW410LMI-NOA

NTS

PW-410 LM

INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400 PREPARED BY LYNN MILLER

1070 TECHNOLOGY DRIVE N. VENICE, FL 34275

REGISTRATION #29296

(941) 480-1600

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

| NOTES:

- 1. GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS).
- 2. FOR ANCHOR OPTIONS, SEE SHEETS 4 & 5.

	<u> </u>		GLASS T	LOAD C	. MACH			ГҮРЕ 2А	
DIM. 1	DIM. 2	ANC			HOR DN 2		HOR ON I		HOR ON 2
INCHES	INCHES	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(
30		120.0	150.0	120,0	150 .0	133.0	150.0	133.0	150.0
36		120.0	150,0	120,0	150.0	133.0	150.0	133.0	150.
42		120,0	124.6	120.0	150.0	133.0	150.0	133,0	150.0
48		113,1	113.1	113.1	113.1	133.0	150.0	133.0	150.
51		107.2	107.2	107.2	107.2	133.0	138,8	133.0	150.
54	48	102.9	102.9	102.9	102.9	124.9 113.5	124.9	133.0	150,
57 60		97.7 92.9	97.7 92.9	97.7	97.7 92.9	104.1	113.5	133.0	150.
63		88.4	88.4	88.4	88.4	120,1	120,1	133.0	150.
66		84,3	84.3	84.3	84.3	111.5	111.5	130.6	147.
69		80.4	80.4	80.4	80.4	104.1	104,1	127.5	143.
72		75,1	75.1	75.1	75.1	97.6	97.6	124.7	140.
30		120.0	150.0	120,0	150.0	133.0	150.0	133.0	150.
36		120.0	128.4	120.0	128.4	133.0	138.8	133.0	150
42		112.2	112.2	112,2	112,2	129.7	129.7	133.0	150.
48	1	102.9	102.9	102.9	102.9	124.9	124.9	133.0	150.
51		98.5	98.5	98.5	98,5	123.7	123.7	133.0	150
54 57	54	94.5	94.5	94.5	94.5	123.3 111.0	123.3 111.0	133.0	150 150
60		85.9	85,9	85.9	85.9	100.9	100.9	133.0	150
63		82.0	82.0	82.0	82.0	115.6	115.6	129.3	145
66		78.2	78.2	78,2	78.2	106.7	106.7	125.0	141
69		74.9	74.9	74.9	74,9	99.1	99.1	118.9	118
72		71.7	71,7	71.7	71.7	92.5	92,5	118.9	118
30		120,0	133.2	120.0	149.5	133.0	133.2	133.0	150
36		117.6	117.6	117.6	117.6	118.9	118.9	133.0	150
42		101.7	101.7	101.7	101:7	109,8	109.8	133.0	150
48		92.9	92.9	92.9	92.9	104.1	104.1	133.0	150
51		89.2	89.2	89,2	89.2	102.2	102.2	133.0	150
54 57	60	85.9	85,9 83,3	85.9 83.3	85.9 83.3	100.9	100.9	133.0	150
60		80.4	80,4	80.4	80,4	99.9	99.9	133.0	150
63		77.0	77.0	77.0	77.0	99.9	99.9	107.0	107
66		74.0	74.0	74.0	74.0	99.9	99.9	107.0	107
69		72.9	72.9	72.9	72.9	96.1	96.1	107.0	107
72		69.9	69.9	69.9	69,9	89.2	89.2	107.0	107
30		120.0	141.6	120.0	141.6	133.0	146.9	133.0	150
36		108.0	108.0	108.0	108.0	130.1	130.1	133.0	150
42	i	92.8	92.8	92.8	92.8	118.9	118.9	133.0	150
48		84.3	84.3	84.3	84.3	111.5	111,5	130.6	147
51		80.3	80.3	80.3	80.3	108.8	108.8	127.5	143
54 57	66	78.2	78.2 76.1	78.2	78,2 76,1	106.7	106.7	125,0 112,6	141
60		74.0	74.0	74.0	74.0	99.9	99.9	107.0	107
63		73.0	73.0	73.0	73.0	103.4	103.4	101.9	101
66		70.3	70.3	70.3	70.3	103.2	103.2	97.3	97.
69		67.8	67.8	67.8	67.8	94,6	94.6	97.3	97.
72		65,5	65.5	65.5	65.5	87.3	87.3	97.3	97.
30		120,0	131.5	120.0	134.1	131.5	131.5	133.0	150
36	1	100.2	100.2	100.2	100.2	115.6	115.6	133.0	150
42 48		75.1	84.7 75.1	84.7 75.1	84.7 75.1	104.9 97.6	104.9 97.6	133.0	150 140
48 51		73.4	73,4	73.4	73.4	94.8	94.8	124.7	125
54		71.7	71.7	71.7	71.7	92.5	92.5	118.9	118
57	72	72.3	72.3	72.3	72.3	90.7	90.7	112.6	112
60		69.9	69,9	69,9	69.9	89.2	89.2	107.0	107
63		67.6	67.6	67.6	67.6	88.1	88.1	101.9	101
66	ļ	65.5	65.5	65.5	65,5	87.3	87.3	97,3	97.
69	1	64.1	64.1	64.1	64.1	86.9	86.9	93.0	93.
72	i	61.6	61.6	61.6	61.6	86.7	86.7	89.2	89,

				OAD C			CLASS 1	TYPE 2A	
DIM. 1	DIM. 2	ANC			HOR		HOR		HOR
INCHES	INCHES	OPTI			ON 2		ON I	OPTI	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30		120.0	127.1	120.0	127.1	133.0	142.7	133.0	150,0
36		94.1	94.1	94.1	94.1	124.9	124,9	133.0	150.0
42		77.6	77.6	77.6	77.6	112.7	112.7	130.0	146.6
48		69.1	69,1	69.1	69.1	104.1	104.1	132.8	132.8
51		67.5	67.5	67.5	67.5	100.7	100.7	125,9	125,9
54	78	68.6	68.6	68.6	68,6	97.9	97.9	118,9	118.9
57	' °	66,4	66.4	66.4	66.4	95.6	95,6	112.6	112.6
60	1	64.4	64.4	64.4	64.4	93.7	93.7	107.0	107,0
63		63.5	63.5	63.5	63.5	92.1	92.1	101.9	101.9
66		61,6	61.6	61.6	61.6	90.8	90,8	97.3	97.3
69		59.5	59.5	59,5	59.5	89.9	89,9	93,0	93.0
72		57.6	57.6	57.6	57.6	86.7	86.7	89.2	89,2
30		120.0	122.1	120.0	122,1	130.3	130,3	133.0	1.50,0
36		88.9	88.9	88.9	88.9	113.5	113.5	133.0	150.0
42		68.7	68.7	68,7	68,7	101.9	101.9	126.7	142.9
48		64.2	64.2	64.2	64.2	93.7	93.7	128.3	128.3
51	l	65,4	65,4	65.4	65.4	90.4	90.4	124.3	124.3
54	84	62.9	62.9	62.9	62.9	87,6	87.6	118.9	118.9
57	"	61.1	61.1	61.1	61.1	85.3	85.3	112.6	112,6
60		60.2	60.2	60,2	60.2	83.3	83,3	107.0	107.0
63		58.5	58.5	58.5	58.5	81.6	81,6	101.9	101.9
66		56.9	56.9	56.9	56.9	80.1	80.1	97.3	97.3
69		-		-	-	75.0	75.0	75.0	75.0
72		-	-	-	-	75,0	75,0	75.0	75.0
30		119.9	119.9	120.0	121.6	119.9	119,9	133.0	150.0
36		84.1	84.1	84,1	84.1	104.1	104.1	133.0	150,0
42		65.8	65.8	65.8	65.8	93,1	93.1	131.5	131.5
48		63.3	63.3	63.3	63.3	85.1	85.1	125.4	125.4
51		60.3	60.3	60.3	60,3	82.0	82.0	120,6	120.6
54		58.1	58.1	58.1	58.1	79,3	79.3	116.8	116,8
57	90	57.0	57.0	57.0	57.0	76.9	76.9	112.6	112,6
60		55,3	55,3	55.3	55.3	74.9	74.9	107.0	107.0
63		53.6	53.6	53.6	53,6	73.2	73.2	101.9	101.9
66		-	-	-	-	71.7	71.7	75.0	75.0
69		-	-	-	-	70.4	70.4	75.0	75.0
72		-	-	-	-	69.4	69.4	75.0	75.0
30		120.0	129.5	120.0	120.0	129.5	1 42.7	133.0	150.0
36		75.1	75.1	75.1	75.1	112.1	112.1	133,0	150.0
42		63.3	63.3	63.3	63.3	99,9	99,9	126.7	126.7
48		58.9	58.9	58.9	58.9	91.1	91.1	120.0	120.0
51		56.9	56.9	56.9	56.9	87.5	87.5	117.8	117.8
54	ov.	54.4	54.4	54.4	54.4	84.5	84.5	113.7	113.7
57	96	52.4	52,4	52,4	52.4	81.8	81.8	110.1	110.1
60		50,3	50.3	50,3	50.3	79.5	79.5	106.2	106.2
63		_		-	-	75,0	75,0	75.0	75.0
66		-	-			75.0	75.0	75.0	75,0
69		-	-	-	<u> </u>	74.2	74.2	75.0	75.0
72	<u> </u>	-		<u> </u>		72.8	72.8	75.0	75.0
30		117.7	117.7	117.7	117.7	120.6	120.6	133,0	150.0
36		73.6	73.6	73.6	73.6	104.1	104.1	133.0	147.2
42		63.8	63.8	63.8	63.8	92.5	92.5	127.5	127.5
48		55.2	55.2	55.2	55.2	84.1	84.1	116,5	116.5
51		52.8	52,8	52.8	52.8	80.7	80.7	111.4	111,4
54	102	50.4	50.4	50.4	50,4	77.7	77,7	106,4	106,4
57	102	-	•		-	75.0	75.0	75.0	75.0
60			-			72.8	72.8	75,0	75,0
63		-	-	-	-	70,9	70.9	75.0	75.0
66		-		-	-	69.1	69.1	75.0	75.0
69			-	-		67,6	67,6	75,0	75.0
		-	-		1	66.2	66.2	75.0	75.0

		DES		OAD					
				TYPE IA				TYPE 2A	
DIM. 1 INCHES	DIM, 2 INCHES		HOR ON I	ANC OPTIO	HOR ON 2	ANC OPTIO	HOR ON I	ANC OPTIO	HOR ON 2
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30		112.8	112.8	114.8	114.8	112.8	112.8	133.0	150.0
36		73.8	73.8	73.8	73.8	97.1	97,1	133.0	147.1
42		60.6	60.6	60,6	60.6	86.1	86.1	121.1	121.1
48		52.4	52,4	52.4	52.4	78.1	78.1	110.6	110.6
51		49.3	49.3	49.3	49.3	74.8	74.8	104,2	104,2
54	100	-	-	-	-	71.9	71.9	75.0	75.0
57	108			-		69.4	69.4	75,0	75.0
60		-	ŀ	-	-	67.2	67.2	75,0	75.0
63			-	-	-	65.3	65.3	75.0	75.0
66		•	-	•	•	63.6	63.6	75.0	75.0
69		-		-	-	62.1	62.1	75.0	75.0
72		-		-	-	60.7	60.7	75.0	75.0
30		111.3	111.3	111.3	111.3	121.1	121.1	133.0	150,0
36		73,8	73.8	73.8	73.8	104.1	104.1	133,0	145.6
42		57.9	57.9	57.9	57.9	92.1	92.1	120.0	120,0
48		49,6	49.6	49,6	49.6	83,3	83.3	104.7	104.7
51		-	-	-	-	75.0	75.0	75.0	75.0
54		-	-	-	-	75.0	75.0	75.0	75.0
57	114	-	-	-	-	73.8	73.8	75,0	75.0
60		-	-	-	-	71,4	71.4	75.0	75.0
63		-	-	-	-	69.2	69.2	75.0	75.0
66		-	-	-	-	67.3	67.3	75.0	75.0
69		-	-	-	-	65,6	65.6	75.0	75.0
72		-	-	-	-	64.0	64.0	75.0	75.0
30		107.7	107.7	107.7	107.7	114.2	114.2	133.0	150.0
36		73.6	73.6	73.6	73.6	97.9	97.9	133.0	144.2
42.		55.8	55.8	55.8	55.8	86,5	86.5	117.8	117.8
48		47.1	47,1	47,1	47.1	78.1	78.1	99.5	99.5
51		-	-	-	-	74.6	74.6	75.0	75.0
54		-	-	-	-	71.6	71.6	75.0	75.0
57	120	-	-	-	-	69.0	69,0	75.0	75.0
60		-	-	-	-	66,6	66.6	75.0	75.0
63		-	-	-	-	64.5	64.5	75,0	75.0
66		-	-	-		62.6	62.6	75.0	75.0
69		-		-	-	61.0	61.0	75,0	75.0
72	1	-	-	-	T -	59,5	59.5	75.0	75.0

DIM. 1

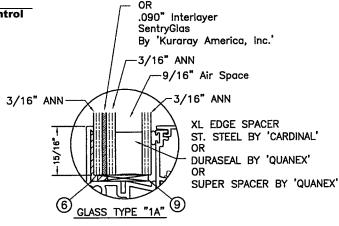
NTS

PW-410 LM

PRODUCT REVISED as complying with the Florida Building Code NOA-No. 20-0519.16

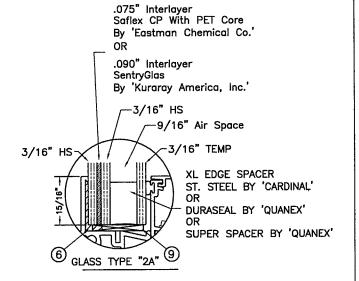
Expiration Date <u>06/03/2024</u>

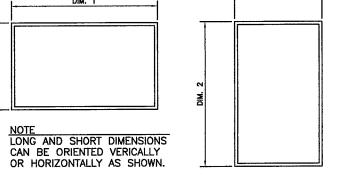
Miami-Dade Product Control



.075" Interlayer Saflex CP With PET Core

By 'Eastman Chemical Co.'





DIM. 1

PW410LMI-NOA

GLASS TYPES AVAILABLE

Title:					Drawn B	y:		T
SERIES 410	FIXED WI	NDOW - L	M			AGK		<u> V</u>
Description:	ACITY - IN	SULATED	GLA	SS	L	Date: 06/0	5/19	750 OF (40
Revision: NO CHANG	ES THIS S	HEET.		in the second of	Rev. By:	Rev. Dat		PR 107 N.
Series/Model:	Scale:	Sheet:		Drawing N	o.	<u> </u>	Rev:	(94

3 OF 11

NCORPORATED 500 AMSTERDAM DRIVE RLANDO, FL 32832 107) 481-8400 070 TECHNOLOGY DRIVE

REPARED BY LYNN MILLER . VENICE, FL 34275

REGISTRATION #29296

(941) 480-1600

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

- 1. GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS).
- 2. FOR ANCHOR OPTIONS, SEE SHEETS 4 & 5.

TYPICAL ANCHORS: ALSO SEE NEXT SHEET. SEE ELEV. FOR SPACING.

TYPE 'A'

1/4" DIA. HILTI_KWIK-CON_II (Fu=163 KSI, Fy=157 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

1-1/2" MIN. PENETRATION INTO WOOD, 1" MIN. EDGE DISTANCE

THRU 1BY BUCKS INTO CONC. OR HOLLOW BLOCKS

1-3/8" MIN. EMBED INTO CONCRETE, 2-1/2" MIN. EDGE DISTANCE

1-1/4" MIN. EMBED INTO HOLLOW BLOCKS, 2-1/2" MIN. EDGE DISTANCE

TYPE 'B'

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, 1" MIN. EDGE DISTANCE

THRU 1BY BUCKS INTO CONC. OR BLOCKS

1-1/4" MIN. EMBED INTO CONC., 2-1/2" MIN. EDGE DISTANCE

1-3/4" MIN. EMBED INTO FILLED BLOCKS, 2-1/2" MIN. EDGE DISTANCE

TYPE 'B+'

1/4" DIA, ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

1" MIN. PENETRATION INTO WOOD, 1" MIN. EDGE DISTANCE

THRU 1BY BUCKS INTO CONC. OR BLOCKS

1" MIN. EMBED INTO CONC., 2-1/2" MIN. EDGE DISTANCE

1-3/4" MIN. EMBED INTO FILLED BLOCKS, 2-1/2" MIN. EDGE DISTANCE

TYPE 'C'

5/16" DIA. ULTRACON BY 'ELCO/DEWALT' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

1-7/8" MIN. PENETRATION INTO WOOD, 1-1/4" MIN. EDGE DISTANCE

THRU 1BY BUCKS INTO CONC. OR HOLLOW BLOCKS

1-1/2" MIN. EMBED INTO CONCRETE, 3-1/8" MIN. EDGE DISTANCE

1-1/4" MIN. EMBED INTO HOLLOW BLOCKS, 3-1/8" MIN. EDGE DISTANCE

ANCHOR OPTION 1:

ALL ANCHORS AS SHOWN ON SHEETS 4 & 5.

ANCHOR OPTION 2:

ANCHOR TYPES 'C' WITH 1/2" SHIM SPACE.

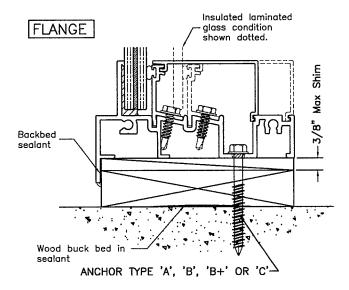
ANCHOR TYPES 'AA', 'BB', 'BBB', 'BB+', 'BBB+', 'D' & 'E' WITH 1/4" SHIM SPACE.

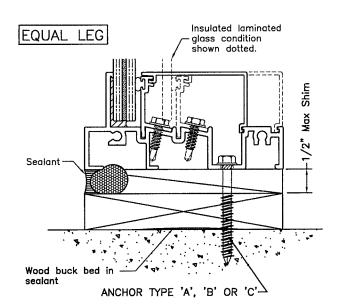
CONCRETE f'c = 3000 PSI MIN.

CONCRETE BLOCKS f'm = 2000 PSI MIN.

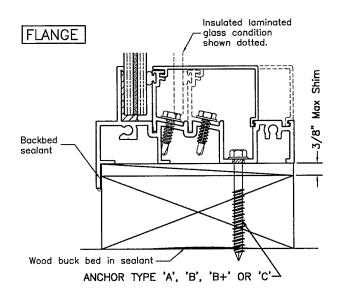
TYPICAL INSTALLATION DETAILS, ALSO SEE NEXT SHEET THESE DETAILS ARE TYPICAL ON ALL FOUR SIDES OF WINDOW

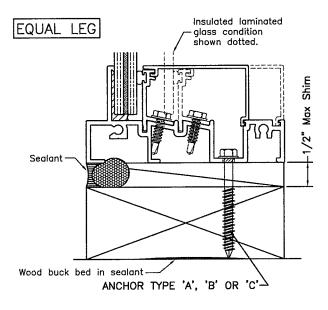
INSTALLATION DETAILS THRU 1X WOOD BUCKS INTO CONCRETE





INSTALLATION DETAILS INTO 2X WOOD BUCKS OR INTO WOOD STRUCTURES





PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0519.16

Expiration Date 06/03/2024

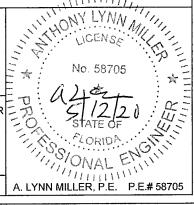
By Miami-Dade Product Control

Title: SERIES 410 FIX	XED WIN	DOW - I	_M		Drawn B	,: AGK	
Description: CURB/ANCHO	R INSTA	LLATION	NS 1			Date: 06/0	5/19
REFORMAT SH	IEET, AD	D ANC	HOR	TYPE.	Rev. By:	Rev. Dat	
Series/Model:	Scale: NTS	Sheet:	11	Drawing N	6. 10LMI-	, NOA	Rev:

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

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

(941) 480-1600



TYPICAL ANCHORS: ALSO SEE PREVIOUS SHEET. SEE ELEV. FOR SPACING.

TYPE 'AA'

1/4" DIA. HILTI KWIK-CON II (Fu=163 KSI, Fy=157 KSI)

DIRECTLY INTO CONCRETE

1-3/8" MIN. EMBED INTO CONCRETE, 2-1/2" MIN. EDGE DISTANCE

TYPE 'BB'

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

DIRECTLY INTO CONC.

1-3/8" MIN. EMBED INTO CONC., 2-1/2" MIN. EDGE DISTANCE

TYPE 'BB+'

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)

DIRECTLY INTO CONC.

1-3/8" MIN. EMBED INTO CONC., 2-1/2" MIN. EDGE DISTANCE

TYPF 'RRR

1/4" DIA. ULTRACON BY 'FLCO' (Fu=177 KSI, Fy=155 KSI)

DIRECTLY INTO HOLLOW BLOCKS

1-1/4" MIN. EMBED INTO HOLLOW BLOCKS, 2-1/2" MIN. EDGE DISTANCE

TYPE 'BBB+

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)

DIRECTLY INTO HOLLOW BLOCKS

1-1/4" MIN. EMBED INTO HOLLOW BLOCKS, 2-1/2" MIN. EDGE DISTANCE

TYPE 'D'

#14 SMS (GRADE 2 CRS)

INTO METAL STRUCTURES

STEEL: 12 GA. MIN. (Fy = 36 KSI MIN.), 2-1/2" MIN. EDGE DISTANCE ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.), 2-1/2" MIN. EDGE DISTANCE

TYPE 'E'

1/4" DRIL-FLEX SELF DRILLING SCREWS (GRADE 2 CRS)

INTO METAL STRUCTURES

STEEL: 12 GA. MIN. (Fy = 36 KSI MIN.), 2-1/2" MIN. EDGE DISTANCE ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.), 2-1/2" MIN. EDGE DISTANCE

ANCHOR OPTION 1:

ALL ANCHORS AS SHOWN ON SHEETS 4 & 5.

ANCHOR OPTION 2:

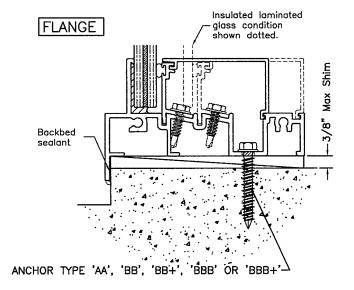
ANCHOR TYPES 'C' WITH 1/2" SHIM SPACE.
ANCHOR TYPES 'AA', 'BB', 'BBB', 'BB+', 'BBB+', 'D' & 'E' WITH 1/4" SHIM SPACE.

CONCRETE f'c = 3000 PSI MIN.

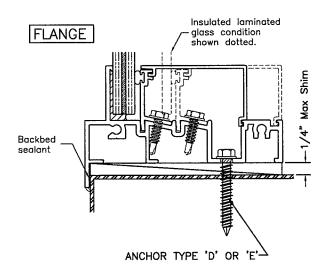
CONCRETE BLOCKS f'm = 2000 PSI MIN.

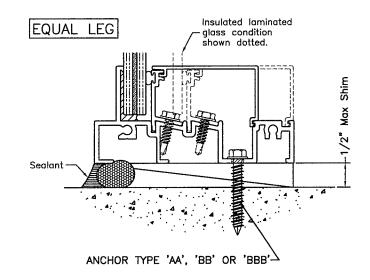
TYPICAL INSTALLATION DETAILS, ALSO SEE PREVIOUS SHEET THESE DETAILS ARE TYPICAL ON ALL FOUR SIDES OF WINDOW

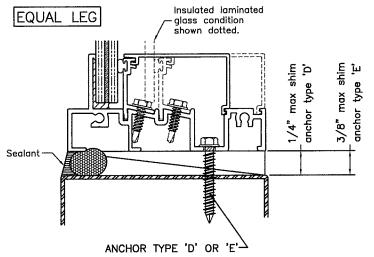
INSTALLATION DETAILS DIRECTLY INTO CONCRETE



INSTALLATION DETAILS INTO METAL STRUCTURES OR INTO APPROVED MULLIONS







PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0519.16

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .125")

REGISTRATION #29296

By Miami-Dade Product Control

Expiration Date 06/03/2024

Title: SERIES 410 FI	XED WIN	DOW - LM		Drawn B	AGK		WINDOOR®
Description: CURB/ANCHO	R INSTA	LLATIONS 2			Date: 06/0	5/19	INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400
Revision: NEW SHEET, /	ADDED A	NCHOR TYF	PE.	Rev. By:	Rev. Dat		PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275
Series/Model:	Scale:	Sheet:	Drawing N		Rev:		(941) 480-1600
PW-410 LM	NTS	5 OF 11	PVV4'	IOLMI-	NOA	Α	DECICEDATION #20206

No. 58705

No. 58705

No. 58705

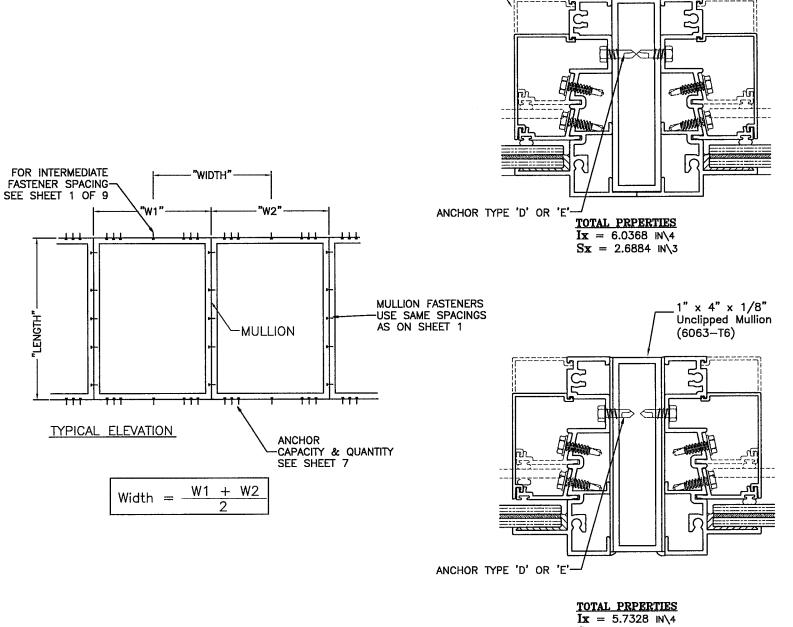
No. 58705

No. 58705

No. 58705

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

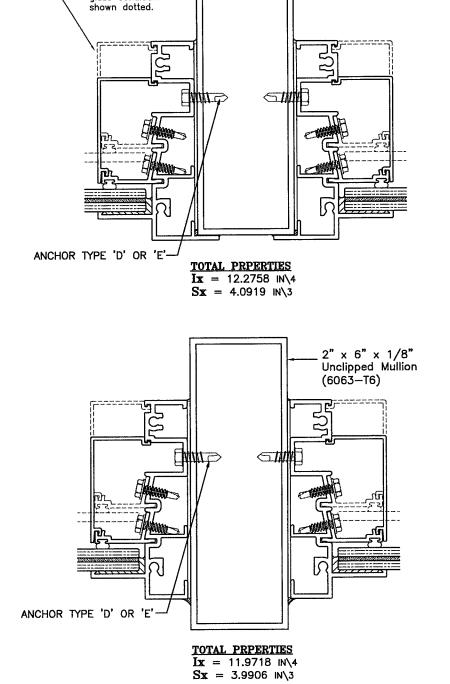
DE	SIGN LOA	D CAPACITY - PSF	(MULLION)
WINDO	W DIMS	1" X 4" X 1/8" ALUM TUBE	2" X 6" X 1/8" ALUM TUBE
WIDTH	LENGTH	EXT. (+) & INT. (-)	EXT. (+) & INT. (-)
36"		150.0	150.0
42"	1	150.0	150.0
48"	1	150.0	150.0
54"	72"	150.0	150.0
60"		150.0	150.0
66"	1	150.0	150.0
72"	1	150.0	150.0
36"		150 .0	150.0
42"	1	139.1	150.0
48"		125.2	150.0
54"	84"	115.1	150.0
60"	1	107.7	150.0
66"		102.4	150.0
72"		-	150.0
36"	1	117.8	150.0
42"		102.8	150.0
48"]	91.8	141.4
54"	96"	93,6	128.8
60 "		77.4	119.3
66"]	-	112.0
72"			106.5
36"	j	~	150.0
42"		-	138.3
48"		-	123.2
54"	102"	-	111.9
60"	1	-	103.2
66"		-	96.5
72"		-	91.3
36"	1	-	140.2
42"	-	-	121.8
48"	400"	-	108.3
54"	108"	-	98.0
60"	-	-	90.2
66"	-		84.0
72"		-	79.2
36" 42"	-	-	124.6
	4	<u> </u>	108.0
48" 54"	114"	-	95.9 86.7
60"	114		79.5
66"	-		79.5 73.8
72"	-	<u> </u>	69.4
36"	 		111.4
42"	1	-	96.5
48"	1	<u> </u>	85.5
54"	120"		77.1
60"	1 '2"		70.6
66"	1	<u> </u>	65.4
72"	1	<u> </u>	61.3
, , ~	1		01.0



Insulated laminated

glass condition shown dotted. 1" x 4" x 1/8" Unclipped Mullion

(6063-T6)



Insulated laminated

glass condition

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0519.16

Expiration Date <u>06</u>/03/2024

Miami-Dade Product Control

Title: SERIES 410 FIX	DOW - LM		Drawn B	AGK		WINDOOR	
Description: MULLION LOAI			Date: 06/0	5/19	INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 (407) 481-8400		
Revision: NO CHANGES		Rev. By: JR	Rev. Dat 05/0		PREPARED BY LYNN MILL 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275		
Series/Model: Scale: Sheet: Drawi				0.	1	Rev:	(941) 480-1600

6 OF 11 | PW410LMI-NOA | A

 $Sx = 2.6455 \text{ IN} \ 3$

NTS

PW-410 LM

WINDOOR

INCORPORATED

'500 AMSTERDAM DRIVE
DRIANDO, FL 32832
407) 481-8400

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

941) 480-1600

REGISTRATION #29296

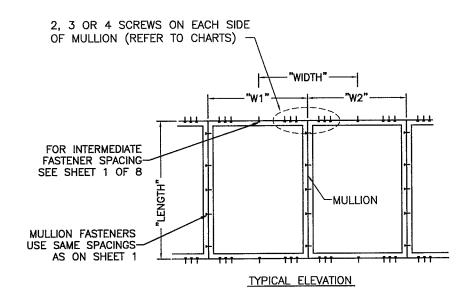
A. LYNN MILLER, P.E. P.E.# 58705

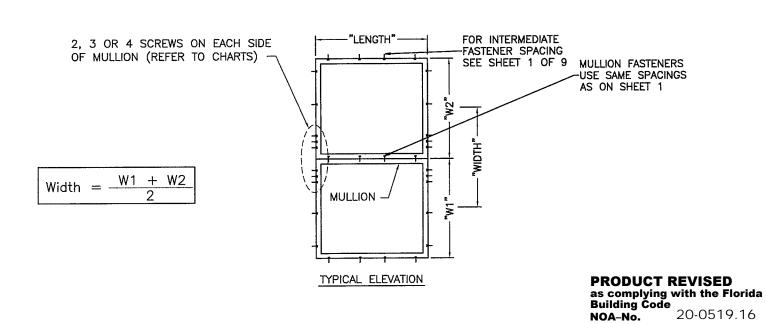
2" x 6" x 1/8" Unclipped Mullion

(6063-T6)

ANY SIZE OR DESIGN LOAD LESS THAN CHART IS ALLOWED.

	DESIGN LOAD CAPACITY - PSF (ANCHORS AT EACH SIDE OF MULLION)												
		AN	CHOR TYP	ΈA	ANC	HOR TYPE	EAA	ANCHO	R TYPES	4 & AA	ANCHO	R TYPES .	A & AA
WINDO	W DIMS.		1/4" SHIM			1/4" SHIM			3/8" SHIM	[1/2" SHIM	
WIDTH	LENGTH	2/SIDE	3 / SIDE	4/SIDE	2 / SIDE	3 / SIDE	4 / SIDE	2 / SIDE	3 / SIDE	4/SIDE	2 / SIDE	3 / SIDE	4/SID
36"		116.4	150.0	150.0	150.0	150.0	150.0	112.7	150.0	150.0	88.2	132.3	150,0
42"		99.8	149.7	150.0	150.0	150.0	150.0	96.6	144.9	150.0	75.6	113.4	150.0
48"		87.3	131.0	150.0	134.3	150.0	150.0	84.5	126.8	150.0	66.1	99.2	132.3
54"	72"	77.6	116.4	150.0	119.4	150.0	150.0	75.1	112.7	150.0	58.8	88.2	117.6
60"		69.9	104.8	139.7	107.5	150.0	150.0	67.6	101.4	135.2	52.9	79.4	105.8
66"		63.5	95.3	127.0	97.7	146.5	150.0	61.5	92.2	122.9	48.1	72.1	96.2
72"		58.2	87.3	116.4	89.6	134.3	150.0	56.3	84.5	112.7	44.1	66.1	88.2
36"		99.8	149.7	150.0	150.0	150.0	150.0	96.6	144.9	150.0	75.6	113.4	150.
42"		85.6	128.3	150.0	131.6	150.0	150.0	82.8	124.2	150.0	64.8	97.2	129.0
48"		74.9	112.3	149.7	115.1	150.0	150.0	72.4	108.6	144.9	56.7	85.0	113.4
54"	84"	66.5	99.8	133.1	102.3	150.0	150.0	64.4	96.6	128.8	50.4	76.5	100.
60"		59.9	89.8	119.8	92.1	138.2	150.0	57.9	86.9	115.9	45.3	68.0	90.7
66"		54.4	81.7	108.9	83.7	125.6	150.0	52.7	79.0	105.4	41.2	61.8	82.5
72"		49.9	74.9	99.8	76.8	115.1	150.0	48.3	72.4	96.6	37.8	56.7	75.6
36"		87.3	131.0	150.0	134.3	150.0	150.0	84.5	126.8	150.0	66.1	99.2	132.
42"		74.9	112.3	149.7	115.1	150.0	150.0	72.4	108.6	144.9	56.7	85.0	113. 99.2
48"	06"	65.5	98.3	131.0	100.8	150.0	150.0	63.4	95.1	126.8	49.6 44.1	74.4 66.1	88.2
54"	96"	58.2	87.3	116.4	89.6	134.3	150.0	56.3	84.5	112.7	39.7	59.5	79.4
60"		52.4	78.6	104.8	80.6	120.9	150.0	50.7 46.1	76.1 69.1	101.4 92.2	36.1	54.1	72.
66"		47.6	71.5	95.3	73.3	109.9	146.5	42.3	63.4	92.2 84.5	33.1	49.6	66.
72"		43.7	65.5 123.3	87.3 150.0	67.2 126.4	100.8 150.0	134.3 150.0	79.5	119.3	150.0	62.2	93.4	124.
36" 42"		82.2	105.7	140.9	108.4	150.0	150.0	68.2	102.3	136.3	53.4	80.0	106.
42" 48"		70.5 61.6	92.5	123.3	94.8	142.2	150.0	59.6	89.5	119.3	46.7	70.0	93.4
46 54"	102"	54.8	82.2	109.6	84.3	126.4	150.0	53.0	79.5	106.0	41.5	62.2	83.0
60"	102	49.3	74.0	98.6	75.9	113.8	150.0	47.7	71.6	95.4	37.3	56.0	74.
66"		44.8	67.3	89.7	69.0	103.4	137.9	43.4	65.1	86.8	34.0	50.9	67.9
72"		41.1	61.6	82.2	63.2	94.8	126.4	39.8	59.6	79.5	31.1	46.7	62.
36"		77.6	116.4	150.0	119.4	150.0	150.0	75.1	112.7	150.0	58.8	88.2	117.
42"		66.5	99.8	133.1	102.3	150.0	150.0	64.4	96.6	128.8	50.4	75.6	100.
48"		58.2	87.3	116.4	89.6	134.3	150.0	56.3	84.5	112.7	44.1	66.1	88.2
54"	108"	51.8	77.6	103.5	79.6	119.4	150.0	50.1	75.1	100.1	39.2	58.8	78.
60"		46.6	69.9	93.2	71.6	107.5	143.3	45.1	67.6	90.1	35.3	52.9	70.
66"		42.3	63.5	84.7	65.1	97.7	130.3	41.0	61.5	81.9	32.1	48.1	64.
72"		38.8	58.2	77.6	59.7	89.6	119.4	37.6	56.3	75.1	29.4	44.1	58.
36"		73.5	110.3	147.1	113.1	150.0	150.0	71.2	106.7	142.3	55.7	83.5	111.
42"		63.0	94.6	126.1	97.0	145.4	150.0	61.0	91.5	122.0	47.7	71.6	95.:
48"		55.2	82.7	110.3	84.8	27.3	150.0	53.4	80.1	106.7	41.8	62.7	83.:
54"	114"	49.0	73.5	98.1	75.4	113,1	150.0	47.4	71.2	94.9	37.1	55.7	74.
60"		44.1	66.2	88.3	67.9	101.8	135.7	42.7	64.0	85.4	33.4	50.1	66.
66"		40.1	60.2	80.2	61.7	92.6	123.4	38.8	58.2	77.6	30.4	45.6	60.
72"		36.8	55.2	73.5	56.6	84.8	113.1	35.6	53.4	71.2	27.8	41.8	55.
36"		69.9	104.8	139.7	107.5	150.0	150.0	67.6	101.4	135.2	52.9	79.4	105.
42"		59.9	89,8	119.8	92.1	138.2	150.0	57.9	86.9	115.9	45.3	68.0	90.′
48"	1	52.4	78.6	104.8	80.6	120.9	150.0	50.7	76.1	101.4	39.7	59.5	79.
54"	120"	46.6	69.9	93.2	71.6	107.5	143 .3	45.1	67.6	90.1	35.3	52.9	70
60"		41.9	62,9	83.8	64.5	96.7	129.0	40.6	60.8	81.1	31.7	47.6	63
66"		38.1	57.2	76.2	58.6	87.9	117.2	36.9	55.3	73.7	28.9	43.3	57.
72"		34.9	52.4	69.9	53.7	80.6	107.5	33.8	50.7	67.6	26.5	39.7	52.9





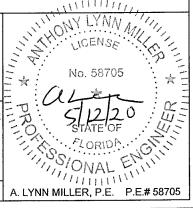
Title: SERIES 410 FIX	XED WIN	IDOW -	LM		Drawn By	AGK	
Description: MULLION LOA	D CAPA	CITY 2		12.00		Date: 06/0	5/19
Revision: NO CHANGES	THIS SH	EET.			Rev. By:	Rev. Dat	
Series/Model: PW-410 LM	Scale: NTS	Sheet:	= 11	Drawing N	io. 10LMI-	·NOA	Rev:

NCORPORATED 500 AMSTERDAM DRIVE RLANDO, FL 32832 407) 481-8400

REPARED BY LYNN MILLER こう 070 TECHNOLOGY DRIVE . VENICE, FL 34275

941) 480-1600

REGISTRATION #29296



Expiration Date 06/03/2024

Miami-Dade Product Control

MACHINE TYPES ASCHINICATION CAPACITY - PS (ANCHORS) AT HACH SIGN) - ANCHOR TYPES IN ARCHES TYPES IN HIGH SAMP MINIS ANCHOR TYPES IN HIGH	[DE	CICN I		ADACIT	T/ D	SE (ANG	THODS	AT EA	CH SIL	VE OF I	MULLIC	N)							
Note 19 19 19 19 19 19 19 1			I AN	CHOP TV	DEC	I AN	JCHOP TV																		OVION TUT	
Western West			AN		res	l Ar		r Las	1			l .						AN	CHOR TYP	PEC	ANCI	HOR TYPE	D&E	ANG	CHOR TYP	EE
	WINDO	OW DIMS			1					1/4" SHIM			3/8" SHIM			1/2" SHIM			1/2" SHIM			1/4" SHIM			3/8" SHIM	ı
		1	ļ		r	A 10000	1	·······					r	4 / CIDE	2 / CIDE		T	2 / SIDE	2 / SIDE	4 / SIDE	2 / SIDE	3/SIDE	4/SIDE	2/SIDE	3/SIDE	4/SIDE
187 187		LENGIH																								
Second Column Second Colum	1 1																									
Secondary Seco	1 1											<u></u>												62.1		124.2
Corp. Corp		72"					 															150.0	150.0	55.2	82.8	110.4
Fig.	1 1	1 "											80.3	107.0	41.6	62.4	83.3	77.3	116.0	150.0	102.1	150.0	150.0	49.7	74.5	99.4
147 150	66"		57.7	86.5	115.4	82.4	123.6	150.0	71.5	107.3	143.0	48.7	73.0	97.3	37.8	56.8	75.7	70.3	105.5	140.6	92.8	139.3	150.0	45.2		
The color The	72"		52.9	79.3	105.8	75.6	113.3	150.0	65.6	98.3	131.1	44.6	66.9	89.2	34.7											
Fig.	36"		90.7	136.0	150.0	129.5			 								}									
84"	11					 																				
Section Column	11																									
Page	11	84"																				-				
Part	11				 																					
Part	1 1																									
680 1020 1560 971 1457 1590 843 1264 1590 573 860 147 446 669 892 829 1243 1590 1004 1590 1590 328 1995 1595	-	-	 															96.7	145.0	150.0	127.7	150.0	150.0	62.1	93.2	124.2
54' 95' 89.5 89.3 1190 88.0 1275 1500 73.8 1106 447.5 50.2 73.2 78.1 72.5 108.8 143.0 95.8 118.0 46.6 69.9 93.2 247.6 71.4 95.2 86.0 110.0 186.0 99.0 88.5 118.0 401.1 40.2 80.3 131.1 44.0 60.0 99.0 24.2 42.3 46.0 80.5 66.0 99.0 38.5 118.0 401.1 40.2 80.3 31.2 46.8 82.4 85.0 119.0 105.0 98.0 10.0 21.2 48.0 22.2 47.3 36.0 46.0 86.0 10.1 11.0 40.3 36.0 113.3 99.2 65.0 80.0 30.0 31.2 48.8 82.7 91.0 165.5 96.0 10.5 96.0 48.0 81.0 10.0 22.3 13.8 19.0 20.0 24.0 10.0 24.0 10.0 <td>I i</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ļ</td> <td></td> <td>44.6</td> <td>66.9</td> <td>89.2</td> <td>82.9</td> <td>124.3</td> <td>150.0</td> <td>109.4</td> <td>150.0</td> <td>150.0</td> <td>53.2</td> <td>79.8</td> <td>4</td>	I i												ļ		44.6	66.9	89.2	82.9	124.3	150.0	109.4	150.0	150.0	53.2	79.8	4
60° 476 71.4 552 680 102.0 150.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0	48"		59.5	89.3	119.0	85.0	127.5	150.0	73.8	110.6	147.5	50.2	75.3	100.4	39.0	58.5	78.1	72.5	108.8	145.0	<u> </u>		150.0	46.6		
66	54"	96"	52.9	79.3	105.8	75.6	113.3	150.0	65.6	98.3	131.1	44.6	66.9	89.2	34.7	52.0	69.4	64.4	96.7	128.9	·					
The color The	60"		47.6	71.4	95.2	68.0		136.0	59.0	88.5	118.0											 				
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S4' 102' 498 74.7 99.6 71.1 106.7 142.2 61.7 92.5 123.4 42.0 63.0 84.0 32.6 49.0 65.3 60.7 91.0 121.3 89.1 120.2 150.0 39.0 58.4 77.9	11					 							-			 										
66° 448 67.2 89.6 64.0 96.0 1280 55.5 83.3 111.1 37.8 56.7 75.6 29.4 44.1 88.8 54.6 81.9 109.2 72.1 108.1 144.2 151.1 52.6 70.7 70.7 70.7 70.5	11	102"			_	 													91.0	 	80.1	120.2	150.0	39.0	58.4	77.9
Ref Fig. F	11	102						 				37.8	56.7	75.6	29.4	44.1	58.8	54.6	81.9	109.2	72.1	108.1	144.2	35.1	52.6	70.1
108	11		40.7	61.1	81.5	58.2	87.3	116.4	50.5	75.7	101.0	34,3	51.5	68.7	26.7	40.1	53.4	49.6	74.4	99.3	65.5		131.1	31.9	 	
108" 604 90.7 120.9 86.3 129.5 150.0 74.9 112.4 149.8 51.0 76.5 101.9 30.6 59.5 79.3 73.7 110.5 147.3 97.3 145.5 150.0 47.3 71.0 94.6	72"	1	37.3	56.0	74.7	53.3	80.0	106.7	46.3	69.4	92.5		47.2	63.0	24.5	36.7										
48" 529 79.3 105.8 75.6 113.3 150.0 65.6 98.3 131.1 44.6 66.9 89.2 34.7 52.0 69.4 64.4 96.7 128.9 85.1 127.7 150.0 41.4 62.1 82.8 108" 47.0 70.5 94.0 67.2 100.7 134.3 58.3 87.4 116.5 39.6 59.5 79.3 30.8 46.3 61.7 57.3 85.9 114.6 75.7 113.5 150.0 36.8 55.2 73.6 66" 42.3 63.5 84.6 60.4 90.7 120.9 52.4 78.7 104.9 35.7 53.5 71.4 27.8 41.6 55.5 51.6 77.3 103.1 68.1 102.1 136.2 33.1 49.2 66.2 38.5 57.7 76.9 54.9 82.4 109.9 47.7 71.5 95.4 32.4 48.7 64.9 25.2 37.8 50.5 46.9 70.3 93.7 61.9 92.8 123.8 30.1 45.2 60.2 35.3 52.9 70.5 50.4 75.6 100.7 43.7 65.6 87.4 29.7 44.6 59.5 23.1 34.7 46.3 43.0 64.4 85.9 56.7 85.1 113.5 27.6 41.4 55.2 60.2 42.3 53.3 85.9 114.5 81.8 122.7 150.0 71.0 106.5 142.0 56.3 84.5 112.7 43.8 65.7 87.6 81.4 122.1 150.0 10.5 23.3 14.8 52.4 66.8 68.8 11.7 15.2 100.2 71.6 107.4 143.2 62.1 93.2 124.2 42.3 63.4 84.5 32.9 49.3 65.7 61.1 91.6 122.1 80.6 120.9 150.0 39.2 58.8 78.4 66.7 66.9 89.1 63.6 95.4 114.5 49.7 74.5 99.4 33.8 50.7 67.6 62.3 34.8 40.7 61.1 81.4 53.8 80.6 107.5 143.3 34.9 52.3 66.6 87.4 114" 44.5 66.8 89.1 63.6 95.4 114.5 49.7 74.5 99.4 33.8 50.7 67.6 62.3 32.9 47.8 44.4 66.6 88.8 58.6 88.0 117.3 28.5 42.8 57.0 72.9 52.1 78.1 104.1 452. 67.8 90.3 30.7 46.1 61.5 23.9 35.9 47.8 44.4 66.6 88.8 58.6 88.0 117.3 28.5 42.8 57.0 72.9 52.1 78.1 104.1 452. 67.8 90.3 30.7 46.1 61.5 23.9 35.9 47.8 44.4 66.6 88.8 58.6 88.0 117.3 28.5 42.8 57.0 72.9 52.1 78.1 104.1 452. 67.8 90.3 30.7 46.1 61.5 23.9 35.9 47.8 44.4 66.6 88.8 58.6 88.0 117.3 28.5 42.8 57.0 72.9 52.1 78.1 104.1 452.0 67.8 90.3 30.7 46.1 61.5 23.9 35.9 47.8 44.4 66.6 88.8 58.6 88.0 117.3 28.5 42.8 57.0 72.9 52.1 78.1 104.1 452.0 67.8 90.3 30.7 46.1 61.5 23.9 35.9 47.8 44.4 66.6 88.8 58.6 88.0 117.3 28.5 42.8 57.0 72.9 52.1 78.1 104.1 452.0 67.8 90.3 30.7 46.1 61.5 23.9 35.9 47.8 44.4 66.6 88.8 58.6 88.0 117.3 28.5 42.8 57.0 72.9 52.1 78.1 104.1 452.0 67.8 90.3 30.7 46.1 61.5 23.9 35.9 47.8 44.4 66.6 98.8 58.6 88.0 117.3 28.5 42.8 57.0 90.4 42.8 42.2 42.3 63.5 84.6 60.4 60.4 90.7 120.9 52.4 78.7 104.9 52.9 68.8 91.7 35.7 53.5 71.4 66.3 90	36"		70.5	105.8	141.0	100.7	150.0	150.0	87.4	<u> </u>																
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54" 114" 44.5 66.8 89.1 63.6 95.4 127.3 55.2 82.8 110.4 37.6 56.3 75.1 29.2 43.8 58.4 54.3 81.4 108.5 71.7 107.5 143.3 34.9 52.3 69.7 66" 40.1 60.1 80.2 57.3 85.9 114.5 49.7 74.5 99.4 33.8 50.7 67.6 26.3 39.4 52.6 48.8 73.3 97.7 64.5 96.8 129.0 31.4 47.1 62.8 36.4 54.7 72.9 52.1 78.1 104.1 45.2 67.8 90.3 30.7 46.1 61.5 23.9 35.9 47.8 44.4 66.6 88.8 58.6 88.0 117.3 28.5 42.8 57.0 33.4 50.1 66.8 47.7 71.6 95.4 41.4 62.1 82.8 28.2 42.3 56.3 21.9 32.9 43.8 40.7 61.1 81.4 53.8 80.6 107.5 26.1 39.2 52.3 36" 63.5 95.2 126.9 90.7 136.0 150.0 78.7 118.0 150.0 53.5 80.3 107.0 41.6 62.4 83.3 77.3 116.0 150.0 102.1 150.0 150.0 49.7 74.5 99.4 48" 47.6 71.4 95.2 68.0 102.0 136.0 59.0 88.5 118.0 40.1 60.2 80.3 31.2 46.8 62.4 58.0 87.0 116.0 76.6 114.9 150.0 37.3 55.9 74.5 66" 38.1 57.1 76.2 54.4 81.6 108.8 47.2 70.8 94.4 32.1 48.2 64.2 25.0 37.5 50.0 46.4 69.6 92.8 61.3 91.9 122.6 29.8 44.7 59.6 60" 34.6 51.9 69.2 49.5 74.2 98.9 42.9 64.4 85.8 29.2 43.8 58.4 52.7 34.1 45.4 42.2 63.3 84.4 55.7 83.6 11.0 31.9 32.9 32.9 32.9 33.9 33.9 33.9 33.9 33	1 1				+	·			71.0	106.5	142.0	48.3	72.4	96.6	37.6	56.3	75.1	69.8	104.7	139.5	92.2	138.2	150.0	44.8	67.2	89.6
60"	48"		50.1	75.2	100.2	71.6	107.4	143.2	62.1	93.2	124.2	42.3	63.4	84.5	32.9	49.3	65.7	61.1	91.6	122.1	80.6	120.9				
66" 36.4 54.7 72.9 52.1 78.1 104.1 45.2 67.8 90.3 30.7 46.1 61.5 23.9 35.9 47.8 44.4 66.6 88.8 58.6 88.0 117.3 28.5 42.8 57.0 33.4 50.1 66.8 47.7 71.6 95.4 41.4 62.1 82.8 28.2 42.3 56.3 21.9 32.9 43.8 40.7 61.1 81.4 53.8 80.6 107.5 26.1 39.2 52.3 36.9 52.2 126.9 90.7 136.0 150.0 78.7 118.0 150.0 53.5 80.3 107.0 41.6 62.4 83.3 77.3 116.0 150.0 150.0 150.0 49.7 74.5 99.4 48" 47.6 71.4 95.2 68.0 102.0 136.0 59.0 88.5 118.0 40.1 60.2 80.3 31.2 46.8 62.4 58.0 87.0 116.0 76.6 114.9 150.0 37.3 55.9 74.5 66.0 38.1 57.1 76.2 54.4 81.6 108.8 47.2 70.8 94.4 32.1 48.2 64.2 25.0 37.5 50.0 46.4 69.6 92.8 61.3 91.9 122.6 29.8 44.7 59.6 66.0 34.6 51.9 69.2 49.5 74.2 98.9 42.9 64.4 85.8 29.2 43.8 58.4 22.7 34.1 45.4 42.2 63.3 87.4 55.1 76.6 107.1 24.8 27.1 40.7 27.8 41.6 51.0 20.3 87.5 50.0 46.4 69.6 92.8 61.3 91.9 122.6 29.8 44.7 59.6 69.7 34.6 51.9 69.2 49.5 74.2 98.9 42.9 64.4 85.8 29.2 43.8 58.4 22.7 34.1 45.4 42.2 63.3 87.4 55.1 76.6 107.1 24.8 27.1 40.5 54.1 20.7 34.1 45.4 42.2 63.3 87.4 55.1 20.1 20.1 20.1 20.1 20.1 20.1 20.1 20	54"	114"	44.5	66.8	89.1	63.6	95.4	127.3	55.2	82.8	110.4		56.3	75.1	29.2	43.8		+	 							
72" 33.4 50.1 66.8 47.7 71.6 95.4 41.4 62.1 82.8 28.2 42.3 56.3 21.9 32.9 43.8 40.7 61.1 81.4 53.8 80.6 107.5 26.1 39.2 52.3 36" 63.5 95.2 126.9 90.7 136.0 150.0 78.7 118.0 150.0 53.5 80.3 107.0 41.6 62.4 83.3 77.3 116.0 150.0 49.7 74.5 99.4 42" 54.4 81.6 108.8 77.7 116.6 150.0 67.4 101.1 134.9 45.9 68.8 91.7 35.7 53.5 71.4 66.3 99.4 132.6 87.5 131.3 150.0 42.6 63.9 85.2 48" 47.6 71.4 95.2 68.0 102.0 136.0 59.0 88.5 118.0 40.1 60.2 80.3 31.2 46.8 62.4 58.0	60"		40.1	60.1	80.2	57.3	85.9	114.5	49.7	 				 					 	 						
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54" 120" 42.3 63.5 84.6 60.4 90.7 120.9 52.4 78.7 104.9 35.7 53.5 71.4 27.8 41.6 55.5 51.6 77.3 103.1 68.1 102.1 136.2 33.1 49.7 66.2 60" 38.1 57.1 76.2 54.4 81.6 108.8 47.2 70.8 94.4 32.1 48.2 64.2 25.0 37.5 50.0 46.4 69.6 92.8 61.3 91.9 122.6 29.8 44.7 59.6 66" 34.6 51.9 69.2 49.5 74.2 98.9 42.9 64.4 85.8 29.2 43.8 58.4 22.7 34.1 45.4 42.2 63.3 84.4 55.7 83.6 111.4 27.1 40.6 54.2 60" 34.6 51.9 69.2 49.5 74.2 98.9 42.9 64.4 85.8 29.2 43.8 58.4 22.7 34.1 45.6 42.2 63.3 84.4 55.7 83.6 111.4 27.1 40.6 54.2	1				 	+					 	+	 			 			 	+			+		+	
60" 38.1 57.1 76.2 54.4 81.6 108.8 47.2 70.8 94.4 32.1 48.2 64.2 25.0 37.5 50.0 46.4 69.6 92.8 61.3 91.9 122.6 29.8 44.7 59.6 61" 34.6 51.9 69.2 49.5 74.2 98.9 42.9 64.4 85.8 29.2 43.8 58.4 22.7 34.1 45.4 42.2 63.3 84.4 55.7 83.6 111.4 27.1 40.6 54.2 61.3 40.7 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.6	11	120"				 		-					 		}				<u> </u>		68.1		136.2	33.1	49.7	
66" 34.6 51.9 69.2 49.5 74.2 98.9 42.9 64.4 85.8 29.2 43.8 58.4 22.7 34.1 45.4 42.2 63.3 84.4 55.7 83.6 111.4 27.1 40.6 54.2	11	""				 			·					64.2	25.0	37.5	50.0	46.4	69.6	92.8	61.3	91.9	122.6	29.8	44.7	59.6
72" 31.7 47.6 63.5 45.3 68.0 90.7 39.3 59.0 78.7 26.8 40.1 53.5 20.8 31.2 41.6 38.7 58.0 77.3 51.1 76.6 102.1 24.8 37.3 49.7	11			51.9	69.2	49.5	74.2	98.9	42.9	64.4	85.8	29.2	43.8	58.4	22.7	34.1	45.4		63.3	84.4	55.7					
	72"		31.7	47.6	63.5	45.3	68.0	90.7	39.3	59.0	78.7	26.8	40.1	53.5	20.8	31.2	41.6	38.7	58.0	77.3	51.1	76.6	102.1	24.8	37.3	49.7

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0519.16

Expiration Date $\underline{06/03/2024}$

By Miami-Dade Product Control

INTERPOLATION FROM THESE CHARTS IS ALLOWED.

Width = $\frac{\text{W1} + \text{W2}}{2}$

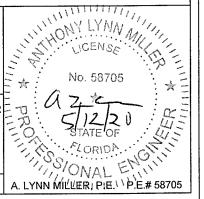
Title: SERIES 410 FIX	Drawn B	y: AGK					
Description: MULLION LOAD	Date: 06/0	5/19					
Revision: NO CHANGES T	HIS SHI	EET.			Rev. By: JR	Rev. Dat	
Series/Model: PW-410 LM	Scale: NTS	Sheet: 8 OF	11	Drawing N	o. IOLMI-	NOA	Rev:

WINDOOI

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

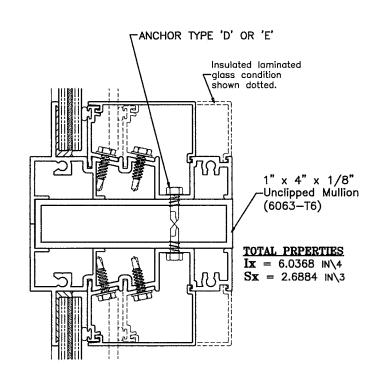
PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275

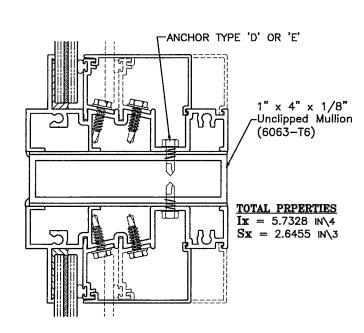
(941) 480-1600

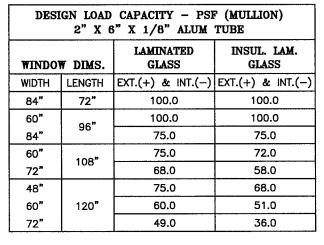


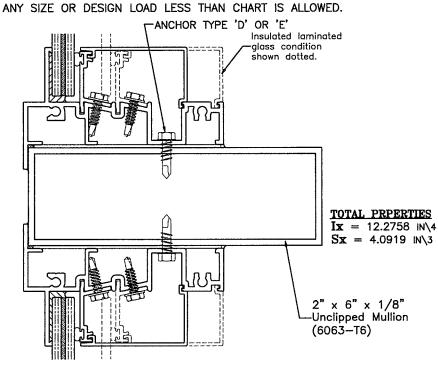
DESIGN LOAD CAPACITY - PSF (MULLION) 1" X 4" X 1/8" ALUM TUBE									
WINDO	V DIMS.	LAMINATED GLASS	INSUL. LAM. GLASS						
WIDTH	LENGTH	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)						
72"	72"	100.0	80.0						
36"		100.0	100.0						
48"	84"	90.0	57.0						
68"		59.0	37.0						

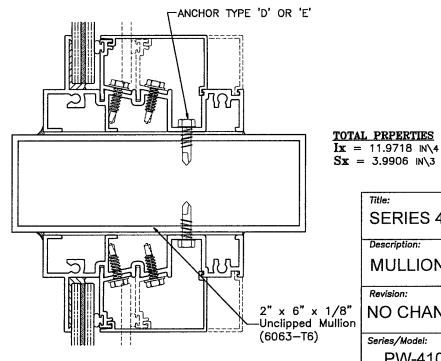
ANY SIZE OR DESIGN LOAD LESS THAN CHART IS ALLOWED.

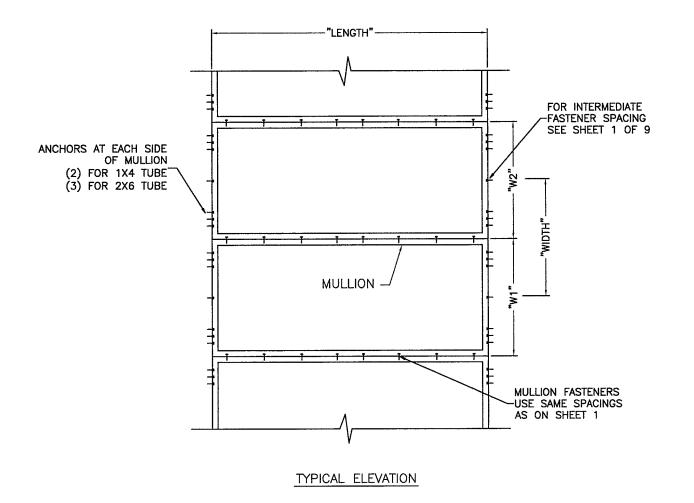












Width = $\frac{W1 + W2}{}$ $W2 \leq W1$

PRODUCT REVISED as complying with the Florida Building Code 20-0519.16 NOA-No.

Expiration Date 06/03/2024

Miami-Dade Product Control

Drawn By: $\mathbf{W}\mathbf{IN}\mathbf{Door}^{ ext{ iny }}$ AGK SERIES 410 FIXED WINDOW - LM INCORPORATED Description: 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 06/05/19 **MULLION LOAD CAPACITY 4** (407) 481-8400 Revision: Rev. By: Rev. Date: JR 05/07/20 NO CHANGES THIS SHEET.

9 OF 11

NTS

PW-410 LM

Drawing No.

PW410LMI-NOA

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

REGISTRATION #29296

(941) 480-1600

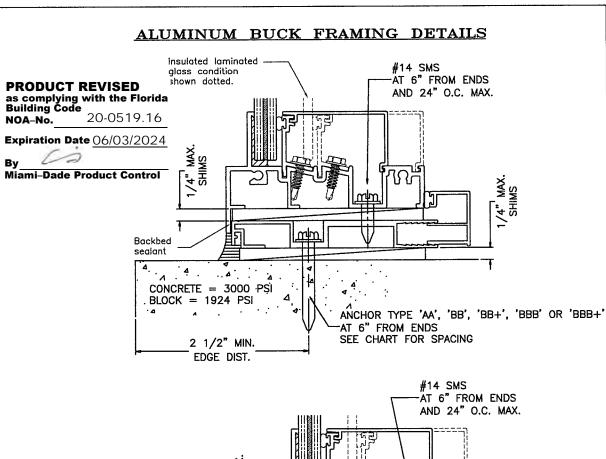
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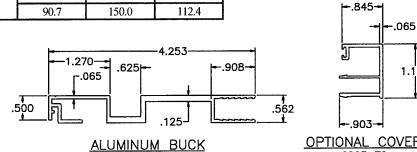
111111111 LICENSE MILL A. LYNN MILLER, P.E. P.E.# 58705

DE	SIGN	LOAD CA	PACITY -					
WINDO	M DIMAG	ANCHOR TY	PES A, B, B+,	ANCHOR				
WINDO	W DIMS	AA, BE	3 & BB+	TYPES BB				
	·			& BBB+				
DIM. 1	DIM . 2	AT 16" O.C.	AT 8" O.C.	AT 16" O.				
30"		150.0	150.0	150.0				
36"		150.0	150.0	150.0				
42"		150.0	150.0	150.0				
48"		150.0	150.0	150.0				
51"		150.0	150.0	150.0				
57"	48"	150.0	150.0	150.0				
60"		150.0	150.0	150.0				
63"		150.0	150.0	150.0				
66"		150.0	150.0	150.0				
69"		150.0	150.0	150.0				
72"		148.8	150.0	150.0				
30"		150.0	150.0	150.0				
36"		150.0	150.0	150.0				
42"	1	150.0	150.0	150.0				
48"		150.0	150.0	150.0				
51"	54"	150.0	150.0	150.0				
57"	54"	150.0	150.0	150.0				
60"		150.0	150.0	150.0				
63"		150.0	150.0	150.0				
66" 69"		150.0 150.0	150.0 150.0	150.0 150.0				
72"		141.0	150.0	150.0				
30"	<u> </u>	150.0	150.0	150.0				
36"		150.0	150.0	150.0				
42"	İ	150.0	150.0	150.0				
48"		150.0	150.0	150.0				
51"		150.0	150.0	150.0				
57"	60"	150.0	150.0	150.0				
60"		150.0	150.0	150.0				
63"		150.0	150.0	150.0				
66"		150.0	150.0	150.0				
69"	i	146.5	150.0	150.0				
72"		136.0	150.0	150.0				
30"		150.0	150.0	150.0				
36 "		150.0	150.0	150.0				
42"		150.0	150.0	150.0				
48"	İ	150.0	150.0	150.0				
51"		150.0	150.0	150.0				
57"	66"	150.0	150.0	150.0				
60"		150.0	150.0	150.0				
63"		150.0	150.0	150.0				
66"	1	150.0	150.0	150.0				
69" 72"		144.2	150.0	150.0				
72" 30"	-	133.1 150.0	150.0 150.0	150.0 150.0				
36"		150.0	150.0	150.0				
36" 42"	l	150.0	150.0	150.0				
42 48"		130.0	150.0	150.0				
48 51"		146.6	150.0	150.0				
57"	72"	138.2	150.0	150.0				
60"	, ' <i>-</i> '	136.2	150.0	150.0				
63"		134.3	150.0	150.0				
66"		133.1	150.0	150.0				
69"		132.5	150.0	150.0				
72" 132.2 150.0 150.0								

	DESIGN LOAD CAPACITY - PSF									
			ANCHOR TY	PFS A B B+	ANCHOR					
WINI	OO	W DIMS		3 & BB+	TYPES BBB					
					& BBB+					
DIM.	1	DIM . 2	AT 16" O.C.	AT 8" O.C.	AT 16" O.C.					
30"			150.0	150.0	150.0					
36"			150.0	150.0	150.0					
42"			150.0	150.0	150.0					
48"			150.0	150.0	150.0					
51"		7011	150.0	150.0	150.0					
57"		78"	145.8	150.0	150.0					
60" 63"			142.8 140.4	150.0 150.0	150.0 150.0					
66"			138.5	150.0	150.0					
69"		ŀ	137.0	150.0	150.0					
72"			136.0	150.0	150.0					
30"			150.0	150.0	150.0					
36"			150.0	150.0	150.0					
42"			150.0	150.0	150.0					
48"			142.8	150.0	150.0					
51"			137.8	150.0	150.0					
57"		84"	130.0	150.0	150.0					
60"			126.9	150.0	150.0					
63"			124.3	150.0	150.0					
66"			122.2	150.0	150.0					
69"			120.4	150.0	149.2					
72"			119.0	150.0	147.5					
30"		l	150.0	150.0	150.0					
36"			150.0	150.0	150.0					
42"			141.9	150.0	150.0					
48"		}	129.8	150.0	150.0					
51"			125.0	150.0	150.0					
57"		90''	117.3	150.0	145.4					
60"			114.2	150.0	141.6					
63"			111.6	150.0	138.3					
66"			109.3	150.0	135.5					
69" 72"			107.4 105.8	150.0 150.0	133.1 131.1					
30"			150.0	150.0	150.0					
36"			150.0	150.0	150.0					
42"		ļ	150.0	150.0	150.0					
48"			138.8	150.0	150.0					
51"			133.4	150.0	150.0					
57"		96"	124.7	150.0	150.0					
60"			121.2	150.0	150.0					
63"			118.1	150.0	146.4					
66"			115.4	150.0	143.0					
69"			113.1	150.0	140.1					
72"			111.1	150.0	137.7					
30"			150.0	150.0	150.0					
36"			150.0	150.0	150.0					
42"			141.0	150.0	150.0					
48"			128.2	150.0	150.0					
51"		1.22	123.0	150.0	150.0					
57"		102"	114.5	150.0	142.0					
60"			111.1	150.0	137.7					
63"			108.0	150.0	133.9					
66" 69"			105.4	150.0	130.6 127.7					
72"			103.0 101.0	150.0 150.0	127.7					
12		L	101.0	1.50.0	143.4					

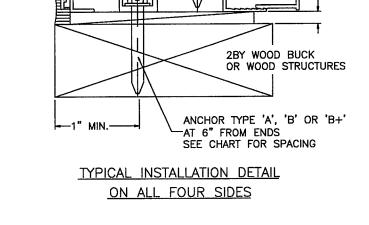
WIND	O	V DIMS	ANCHOR TY AA, BE	PES A, B, B+, 3 & BB+	ANCHOR TYPES BBB & BBB+
DIM.	1	DIM . 2	AT 16" O.C.	AT 8" O.C.	AT 16" O.C
30"			150.0	150.0	150.0
36"			148.1	150.0	150.0
42"			131.3	150.0	150.0
48"			119.0	150,0	147.5
51"			114.0	150.0	141.3
57"		108"	105.9	150.0	131.2
60"			102.5	150.0	127.1
63"			99.6	150.0	123.4
66"			96.9	150.0	120.1
69"			94.6	150.0	117.3
72"			92.6	150.0	114.7
30"			150.0	150.0	150.0
36"			150.0	150.0	150.0
42"		1	140.4	150.0	150.0
48"		1	126.9	150.0	150.0
51"			121.5	150.0	150.0
57"		114"	112.5	150.0	139.5
60"			108.8	150.0	134.9
63"			105.5	150.0	130.8
66"			102.6	150.0	127.1
69"			100.0	150.0	123.9
72"			97.6	150.0	121.0
30"			150.0	150.0	150.0
36"			149.3	150.0	150.0
42"			131.9	150.0	150.0
48"			119.0	150.0	147.5
51"			113.8	150.0	141.0
57"		120"	105.1	150.0	130.3
60"			101.5	150.0	125.9
63"		Ì	98.4	150.0	121.9
66"	66"		95.5	150.0	118.4
69"			92.9	150.0	115.2
72"			90.7	150.0	112.4





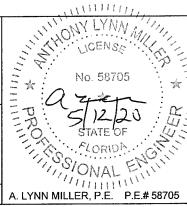
6063-T6

-.065 1.125 OPTIONAL COVER 6063-T6



Title: SERIES 410 FIX	,. AGK	• • • • • • • • • • • • • • • • • • • •	V						
Description: ANCHOR LOAD) CAPAC	ITY					Date: 06/0	5/19	750 OR (40
Revision: ADDED ANCHO	R TYPE	S.	**************************************			Rev. By: JR	Rev. Dat 05/0		PR 107 N. '
Series/Model:	Scale: NTS	Sheet:	ΩE	11	Drawing N	。 IOLMI-	NOA	Rev:	(94
PW-410 LM	O IVI	I IU	UL	1.1	FVV41	ULIVII-	NOA	^	

NCORPORATED 500 AMSTERDAM DRIVE RLANDO, FL 32832 407) 481-8400 REPARED BY LYNN MILLER 070 TECHNOLOGY DRIVE . VENICE, FL 34275



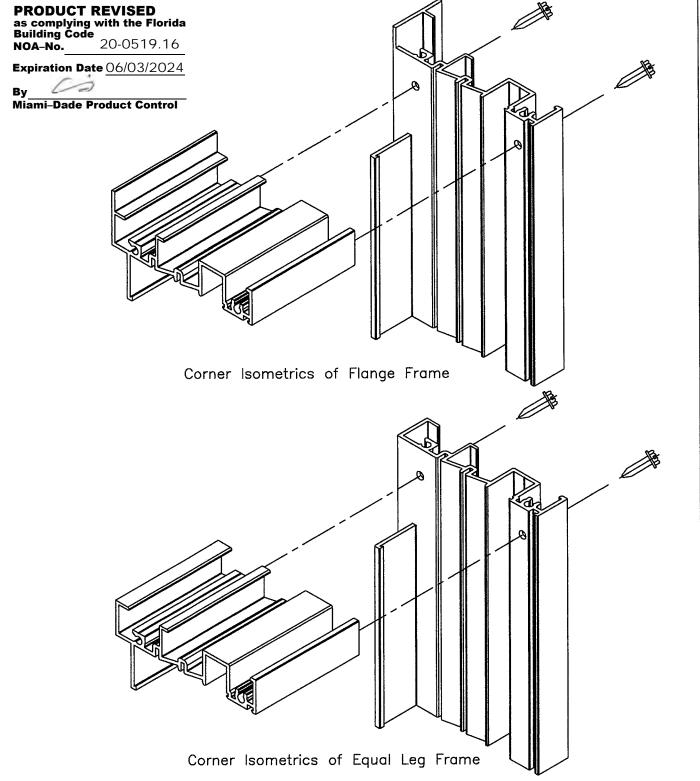
muniti,

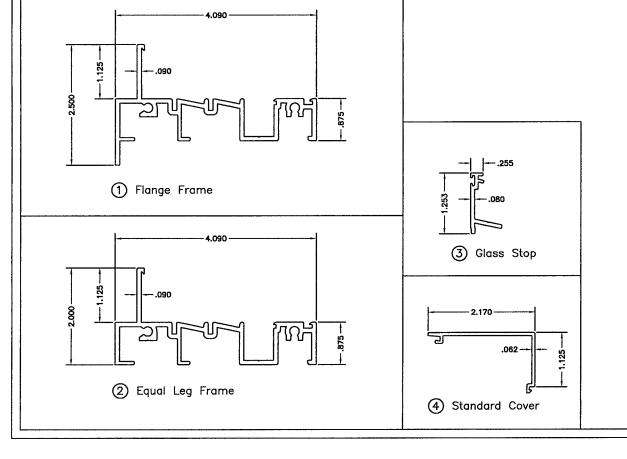
/4" MAX. SHIMS

941) 480-1600

Bill of Materials

Item	Part No. or Name	Qty.	Description	Material	Manufacturer / Supplier	Remarks
1	AL700	Varies	Main Frame (Flange)	Aluminum 6063—T6	Custom Extrusion	Continuous on 4 sides
2	AL703	Varies	Main Frame (Equal Leg)	Aluminum 6063-T6	Custom Extrusion	Continuous on 4 sides
3	AL701	Varies	Glass Stop	Aluminum 6063T6	Custom Extrusion	Continuous on 4 sides
4	AL702	Varies	Standard Cover	Aluminum 6063-T5	Custom Extrusion	Continuous on 4 sides
5	Glass Stop Screw	Varies	#10 x 3/4" Hex Hd Self Drilling	Steel	Varies	at 6" from ends and 12" on center
6	Varies	Varies	GE-1200 or 2000 DOW-791, 983 or 995	Silicone	General Electric or Dow Corning	Structural Silicone
7	382V	Varies	Glass Stop Bulb	Vinyl	Custom Extruded	
8	Frame Screw	8	#12 x 1 1/4" Hex Hd SMS	s/s	Varies	2 per corner
9		2	Setting Block	Epdm	Varies	Durometer 85±5 Shore A





Title: SERIES 410 FIXED WINDOW - LM						Drawn By: AGK			W
Description: EXTRUSIONS, BOM							Date: 06/05/19		7500 ORLA (407)
Revision: ADDED BACKBEDDING.						Rev. By: JR	Rev. Date: 05/07/20		PREF 1070 N. VE
Series/Model:	Scale:	Sheet:	OE	11	Drawing No.		NOA	Rev:	(941)
PW-410 LM	NTS	11	UF	11	PVV41	ULIVII-	NOA	^	В

VINDOOR®
ICORPORATED
30 AMSTERDAM DRIVE
LANDO, FL 32832
7) 481-8400

EPARED BY LYNN MILLER
70 TECHNOLOGY DRIVE
VENICE, FL 34275

1) 480-1600

