

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

E.S. Windows, LLC 3550 NW 49th Street Miami, FL 33142

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 "7100" Aluminum Window Wall System - S.M.I.

APPROVAL DOCUMENT: Drawing No. **W12-51**, titled "Series 7100 Alum. Window Wall System (S.M.I.)", sheets 1 through 13 and 13.1 of 13, dated 09/12/12, with revision E dated 01/22/21, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, 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: Small Missile Impact Resistant

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

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

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

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

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

This NOA revises NOA No. 17-1218.09 and consists of this page 1 and evidence pages E-1, E-2, and E-3, as well as approval document mentioned above.

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



NOA No. 21-0212.03 Expiration Date: November 07, 2023 Approval Date: April 29, 2021 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. *(Submitted under NOA No. 13-0617.25)*
- 2. Drawing No. W12-51, titled "Series 7100 Alum. Window Wall System (S.M.I.)", sheets 1 through 13 and 13.1 of 13, dated 09/12/12, with revision D dated 11/01/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E. *(Submitted under NOA No. 17-1218.09)*

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) Small 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 a series ES-7100 aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8101**, dated 01/06/15, signed and sealed by Idalmis Ortega, P.E. (Submitted under NOA No. 15-0430.06)

- Test reports on: 1) Safety Performance Test, (Drop Test) per ANSI Z97.1-2009 along with marked-up drawings and installation diagram of a series ES-7000 aluminum window wall system and a series ES-7100 aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-7862, dated 07/25/14 and revised on 07/13/15, signed and sealed by Idalmis Ortega, P.E. (Submitted under NOA No. 15-0430.06)
- **3.** Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94

along with marked-up drawings and installation diagram of a series ES-7100 aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-7155, dated 07/15/13, signed and sealed by Jorge A. Naya, P.E. *(Submitted under NOA No. 13-0617.25)*

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Manuel Pérez, P.E. Product Control Examiner NOA No. 21-0212.03 Expiration Date: November 07, 2023 Approval Date: April 29, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

C. CALCULATIONS

- Anchor verification calculations and structural analysis, complying with FBC 6th Edition (2017), dated 06/16/15 and revised on 10/26/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E. (Submitted under NOA No. 17-1218.09)
- 2. Glazing complies with ASTM E1300-09

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 17-1114.14 issued to Kuraray America, Inc. for their "Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers" dated 01/18/18, expiring on 07/08/19.

F. STATEMENTS

Statement letter of conformance, complying with FBC 5th Edition (2014), with FBC 6th Edition (2017), and of no financial interest, dated October 26, 2017, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E. (Submitted under NOA No. 17-1218.09)

G. OTHERS

1. Notice of Acceptance No. **15-0430.06**, issued to ES Windows LLC, for their Series "7100" Aluminum Window Wall System – S.M.I., approved on 08/20/15 and expiring on 11/07/18.

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Manuel Pérez, P.E. Product Control Examiner NOA No. 21-0212.03 Expiration Date: November 07, 2023 Approval Date: April 29, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W12-51**, titled "Series 7100 Alum. Window Wall System (S.M.I.)", sheets 1 through 13 and 13.1 of 13, dated 09/12/12, with revision **E** dated 01/22/21, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

B. TESTS

1. None.

C. CALCULATIONS

- Anchor verification calculations and structural analysis, complying with FBC 6th Edition (2017), dated 06/16/15, revised on 10/26/17, and further updated on 01/18/21 to comply with FBC 7th Edition (2020), prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
- 2. Glazing complies with ASTM E1300-09

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 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.

F. STATEMENTS

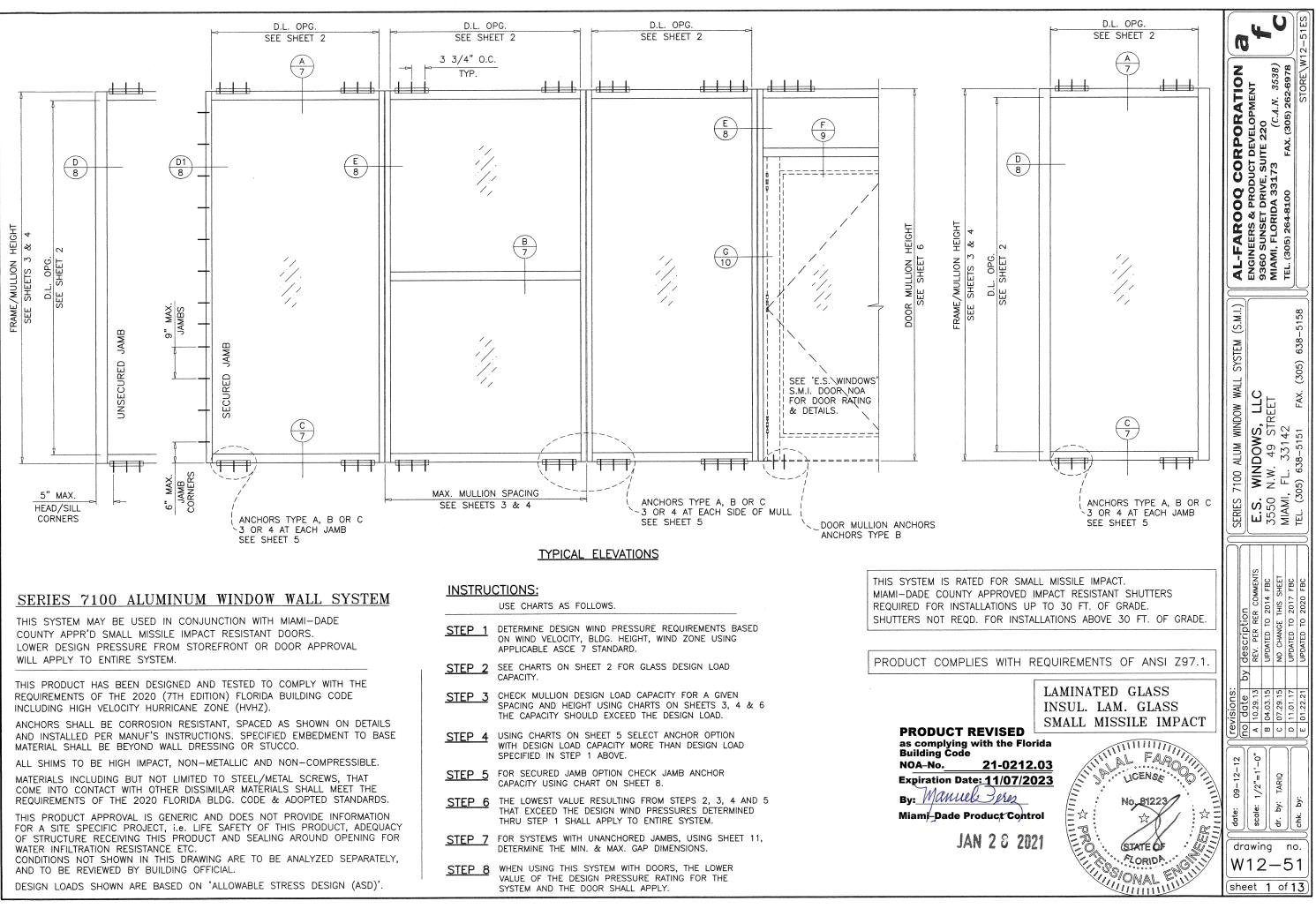
1. Statement letter of conformance, complying with **FBC** 7th **Edition (2020)**, and of no financial interest, dated January 18, 2021, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

G. OTHERS

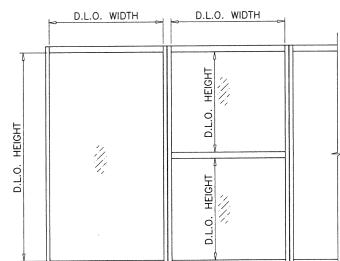
1. Notice of Acceptance No. 17-1218.09, issued to E.S. Windows, LLC, for their Series "7100" Aluminum Window Wall System – S.M.I., approved on 03/08/18 and expiring on 11/07/23.

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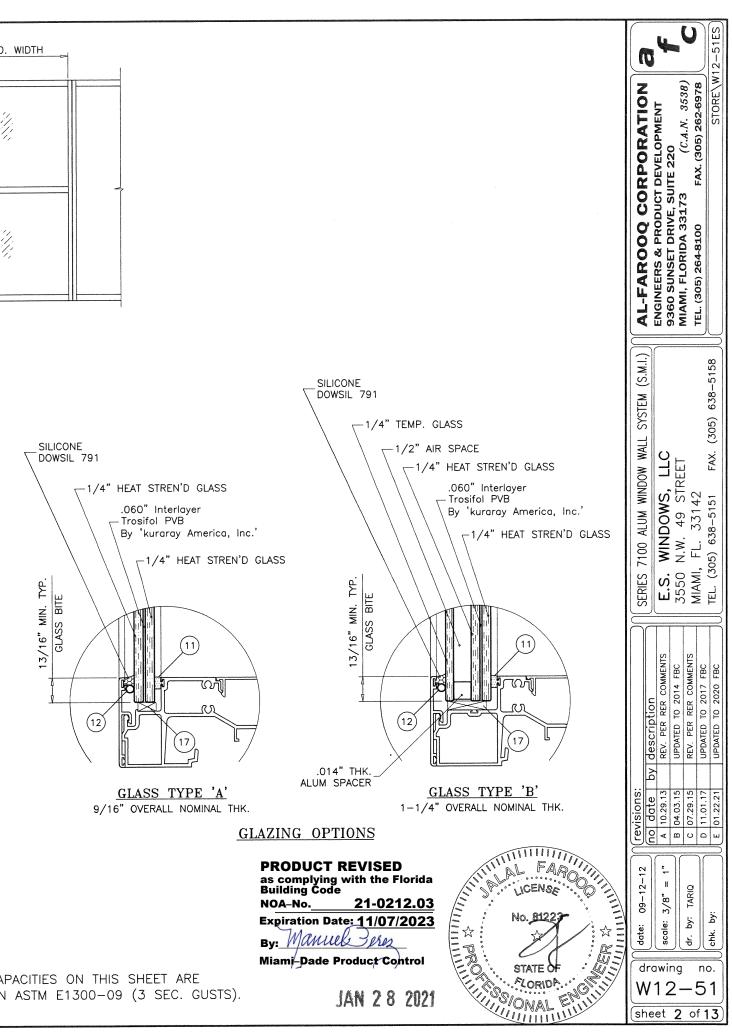
Manuel Perez, P.E. Product Control Examiner NOA No. 21-0212.03 Expiration Date: November 07, 2023 Approval Date: April 29, 2021



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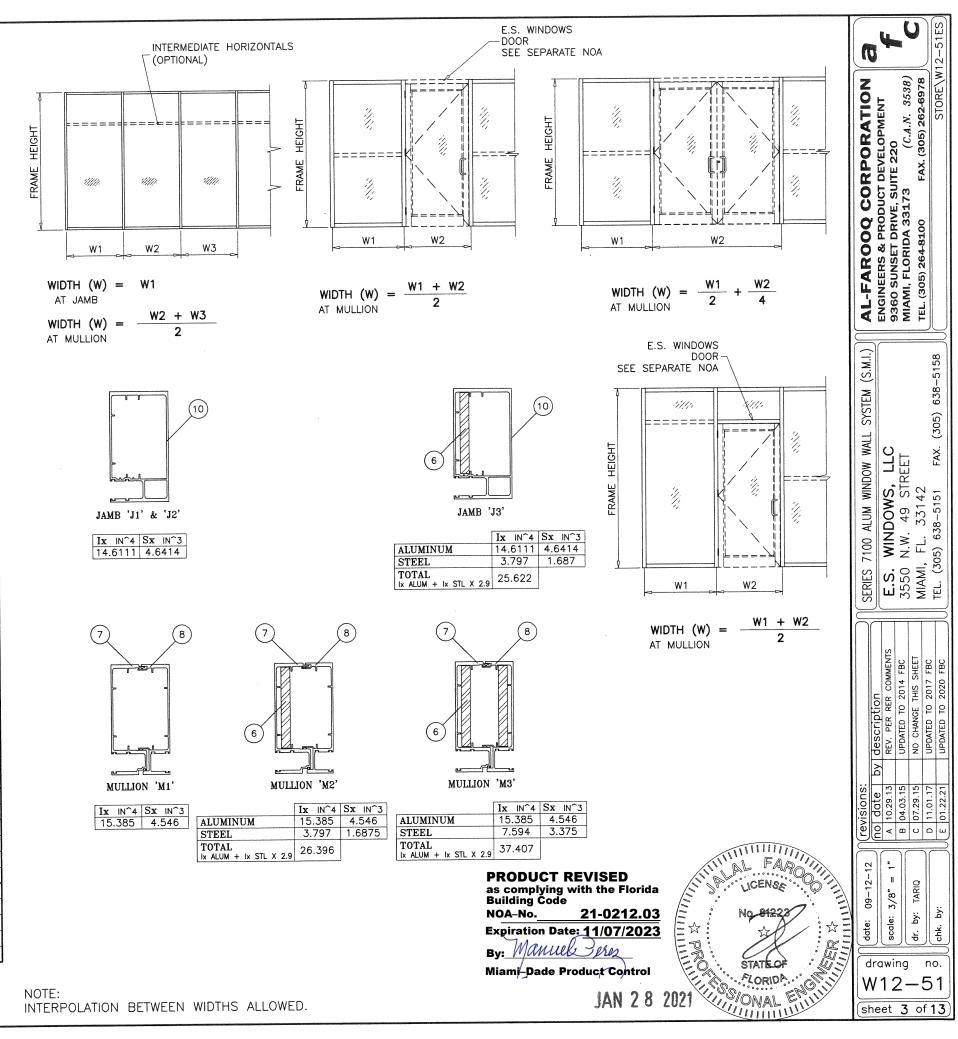


NOTE:

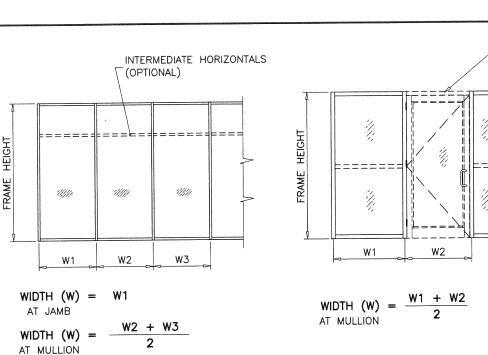


GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS).

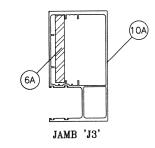
MULLION DESIGN LOAD CAPACITY - PSF CHART FOR LAMINATED GLASS MULLIONS					MULLION DESIGN LOAD CAPACITY - PSF CHART FOR LAMINATED GLASS MULLIONS					
JAMB 'J1' NOMINAL DIMS. MULL 'M1'					NOMINA	AL DIMS.	JAMB MULL		JAMB MULL	
WIDTH (W) FRAME HEIGHT		EXT. (+)	INT. (-)	V	VIDTH (W)	FRAME HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-
30"		125.0	125.0	Γ	30"		125.0	150.0	125.0	150.0
36"		125.0	125.0		36"		125.0	150.0	125.0	150.0
42"	108"	125.0	125.0		42"	96"	125.0	150.0	125.0	150.0
48"	106	125.0	125.0		48"		125.0	150.0	125.0	150.0
54"		125.0	125.0		54"		125.0	150.0	125.0	150.0
60"		116.7	116.7		58"		125.0	150.0	125.0	150.0
30"		125.0	125.0		60"		125.0	140.0	125.0	140.0
36"		125.0	125.0	Γ	30"		125.0	150.0	125.0	150.0
42"		125.0	125.0		36"		125.0	150.0	125.0	150.0
48"	114"	125.0	125.0		42"	100"	125.0	150.0	125.0	150.0
54"		115.4	115.4		48"	102"	125.0	150.0	125.0	150.0
60"		103.9	103.9		54"		125.0	150.0	125.0	150.0
30"		125.0	125.0		55"		125.0	150.0	125.0	150.0
36"		125.0	125.0		60"		125.0	140.0	125.0	140.0
36 42"		125.0	125.0		30"		125.0	150.0	125.0	150.0
	120"	115.1	115.1		36"		125.0	150.0	125.0	150.0
48"		102.3	102.3		42"		125.0	150.0	125.0	150.0
54"			92.1		48"	108"	125.0	150.0	125.0	150.0
57"		92.1	125.0		40 54"		125.0	140.0	125.0	140.0
30"		125.0			54 60"		125.0	140.0	125.0	140.0
36"		125.0	125.0				125.0	150.0	125.0	150.0
42"	126"	113.6	113.6		30" 70"		125.0	150.0	125.0	150.0
48"		99.4	99.4		36"		125.0	150.0	125.0	150.
54"		88.4	88.4		42"	114"			125.0	150.
30"		125.0	125.0		48"		125.0	150.0	125.0	150.
36"		115.3	115.3		49"		125.0	150.0		
42"	132"	98.8	98.8		54"		125.0	140.0	125.0	140.
48"		86.5	86.5		60"		125.0	129.8	125.0	140.
52"		76.9	76.9		30"		125.0	150.0	125.0	150.
30"		121.1	121.1		36"		125.0	150.0	125.0	150.
36"		100.9	100.9		42"	120"	125.0	150.0	125.0	150.
42"	138"	86.5	86.5		48"		125.0	140.0	125.0	140.
48"		75.7	75.7		54"		125.0	130.2	125.0	140.
50"		69.9	69.9		57"		123.3	123.3	125.0	140.
30"		106.6	106.6	1 [30"		125.0	150.0	125.0	150.
36"		88.8	88.8	11	36"		125.0	150.0	125.0	150.
42"	144"	76.1	76.1	11	42"	126"	125.0	150.0	125.0	150.
48"		66.6	66.6	11	48"	120	125.0	132.8	125.0	140.
				1	54"		118.1	118.1	125.0	140.
				F	30"		125.0	150.0	125.0	150.
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					42"	1 7 - 7	125.0	138.3	125.0	150
					48"	132"	121.0	121.0	125.0	140
					52"		111.7	111.7	125.0	140
				F	30"		125.0	150.0	125.0	150
					36"		125.0	147.6	125.0	150
					40"	138"	125.0	126.5	125.0	150
					40 42"	100	110.7	110.7	125.0	140
							106.3	106.3	125.0	140
					48" 50"		108.3	100.3	125.0	140
				┠	50"				125.0	150
					30"		125.0	150.0	125.0	150
					36"	144"	125.0	135.6		
					39"		125.0	125.2	125.0	150
					42"		116.2	116.2	125.0	140
				L	48"	1	101.7	101.7	125.0	140



NOMIN	AL DIMS.	JAMB MULL		NOMIN	AL DIMS.	JAMB MULL		JAMB 'J3' MULL 'M3'		
WIDTH (W)	FRAME HEIGHT	EXT. (+)		WIDTH (W)	FRAME HEIGHT	EXT. (+)	INT. (-)	EXT. (+)		
30"		100.0	110.0	30"		100.0	150.0	100.0	150.0	
36"		100.0	110.0	36"		100.0	150.0	100.0	150.0	
42"	_	100.0	110.0	42"	0.0"	100.0	150.0	100.0	150.0	
48"	108"	100.0	110.0	48"	96"	100.0	150.0	100.0	150.0	
54"		100.0	110.0	54"		100.0	150.0	100.0	150.0	
60"		100.0	110.0	58"		100.0	140.0	100.0	140.0	
30"		100.0	110.0	60"		100.0	140.0	100.0	140.0	
36"		100.0	110.0	30"		100.0	150.0	100.0	150.0	
42"		100.0	110.0	36"		100.0	150.0	100.0	150.0	
48"	114"	100.0	110.0	42"	102"	100.0	150.0	100.0	150.0	
54"		100.0	110.0	48"	102	100.0	150.0	100.0	150.0	
60"		100.0	100.6	54"		100.0	140.0	100.0	140.0	
30"		100.0	110.0	55"		100.0	140.0	100.0	140.0	
36"		100.0	110.0	60"		100.0	140.0	100.0	140.0	
42"		100.0	110.0	30"		100.0	150.0	100.0	150.0	
48"	120"	100.0	107.8	36"		100.0	150.0	100.0	150.0	
-0 54"		95.9	95.9	42"	100"	100.0	150.0	100.0	150.0	
57"		86.3	86.3	48"	108"	100.0	150.0	100.0	150.0	
30"		100.0	110.0	54"		100.0	140.0	100.0	140.0	
36"		100.0	110.0	60"		100.0	140.0	100.0	140.0	
42"		100.0	106.5	30"		100.0	150.0	100.0	150.0	
48"	126"	93.2	93.2	36"		100.0	150.0	100.0	150.0	
54"		82.8	82.8	42"	4.4.19	100.0	150.0	100.0	150.0	
30"		100.0	110.0	48"	114"	100.0	140.0	100.0	140.0	
36"		100.0	108.0	49"		100.0	140.0	100.0	140.0	
42"	132"	92.6	92.6	54"		100.0	140.0	100.0	140.0	
48"		81.0	81.0	58"		100.0	140.0	100.0	140.0	
52"		72.0	72.0	60"		100.0	140.0	100.0	140.0	
30"		100.0	110.0	30"		100.0	150.0	100.0	150.0	
36"		94.5	94.5	36"		100.0	150.0	100.0	150.0	
42"	138"	81.0	81.0	42"	100"	100.0	150.0	100.0	150.0	
48"		70.9	70.9	48"	120"	100.0	140.0	100.0	140.0	
50"		65.5	65.5	54"		100.0	137.8	100.0	140.0	
30"		99.9	99.9	57"		100.0	130.6	100.0	140.0	
36"		83.2	83.2	30"		100.0	150.0	100.0	150.0	
42"	144"	71.3	71.3	36"		100.0	150.0	100.0	150.0	
48"		62.4	62.4	42"		100.0	150.0	100.0	150.0	
	1			48"	126"	100.0	133.9	100.0	140.0	
				54"		100.0	119.0	100.0	140.0	
				30"		100.0	150.0	100.0	150.0	
				36"		100.0	150.0	100.0	150.0	
				42"	170"	100.0	133.1	100.0	140.0	
				48"	132"	100.0	116.5	100.0	140.0	
				52"		100.0	107.5	100.0	137.	
				30"		100.0	150.0	100.0	150.0	
				36"		100.0	135.9	100.0	150.	
				42"	138"	100.0	116.5	100.0	140.	
				48"		100.0	101.9	100.0	133.	
				50"		97.9	97.9	100.0	127.	
				30"		100.0	140.0	100.0	140.	
				36"		100.0	119.6	100.0	140.	
				39"	144"	100.0	110.4	100.0	140.	
				42"		100.0	102.5	100.0	133.	
				48"		89.7	89.7	100.0	117.	



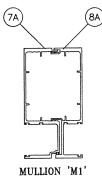
<u>____</u> JAMB 'J1' & 'J2' Ix IN^4 Sx IN^3 14.1989 4.5744

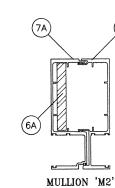


HEIGHT

FRAME

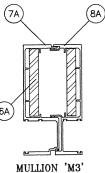
Ix IN⁴ Sx IN³ 14.1989 4.5744 ALUMINUM 2.197 1.172 STEEL TOTAL Ix ALUM + Ix STL X 2.9 20.571



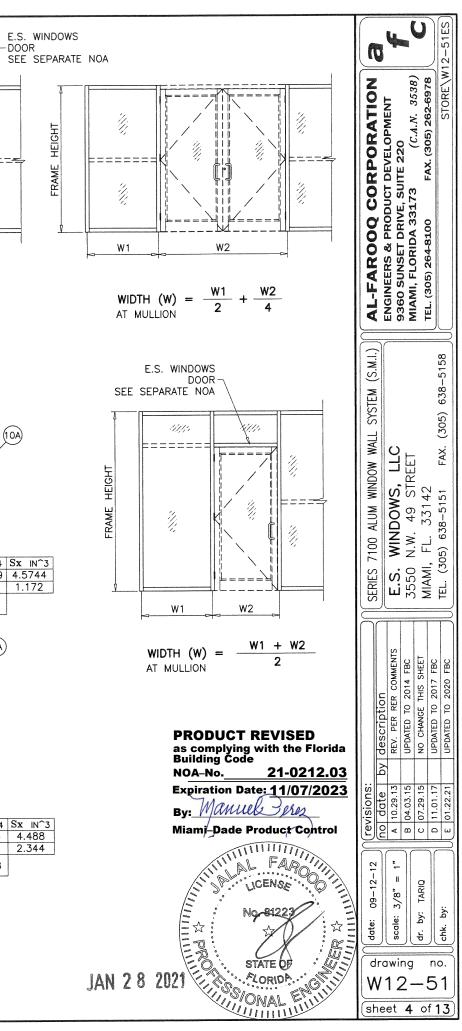


Ix IN^4 Sx IN^3 14.414 4.488





Ix IN^4 Sx IN^3 14.414 4.488 Ix IN⁴ Sx IN³ 14.414 4.488 ALUMINUM ALUMINUM 4.394 2.344 2.197 1.172 STEEL STEEL TOTAL Ix ALUM + Ix STL X 2.9 20.786 TOTAL Ix ALUM + Ix STL X 2.9 27.158



NOWN	AL DIMS.		TYPE 'A'	Τ	r	TYPE 'B'		1	TYPE 'C'	1	TYPE 'D'		
VIDTH (W)	FRAME HEIGHT	A3	A4	A5	B3	B4	B5	C3	C4	C5	D3	D4	D5
30"	TRAME HEIGHT	150.0	150.0	150.0	150.0	150.0	150.0	120.0	150.0	150.0	150.0	150.0	150.0
30 36"		150.0	150.0	150.0	150.0	150.0	150.0	100.0	134.0	150.0	150.0	150.0	150.0
36 42"		131.0	150.0	150.0	149.0	150.0	150.0	86.0	115.0	143.0	142.0	150.0	150.0
42 48"	90"	115.0	150.0	150.0	130.0	150.0	150.0	75.0	100.0	125.0	124.0	150.0	150.0
40 54"		102.0	136.0	150.0	116.0	150.0	150.0	67.0	89.0	111.0	110.0	147.0	150.0
60"		92.0	122.0	150.0	104.0	139.0	150.0	60.0	80.0	100.0	99.0	132.0	150.0
 30"		150.0	150.0	150.0	150.0	150.0	150.0	113.0	150.0	150.0	150.0	150.0	150.0
36"		144.0	150.0	150.0	150.0	150.0	150.0	94.0	125.0	150.0	150.0	150.0	150.0
42"		123.0	150.0	150.0	139.0	150.0	150.0	81.0	107.0	134.0	133.0	150.0	150.0
48"	96"	108.0	144.0	150.0	122.0	150.0	150.0	71.0	94.0	118.0	116.0	150.0	150.0
40 54"		96.0	128.0	150.0	108.0	144.0	150.0	63.0	84.0	104.0	103.0	138.0	150.0
60"		86.0	115.0	144.0	98.0	130.0	150.0	56.0	75.0	94.0	93.0	124.0	150.0
30"		150.0	150.0	150.0	150.0	150.0	150.0	106.0	142.0	150.0	150.0	150.0	150.0
36"		135.0	150.0	150.0	150.0	150.0	150.0	88.0	118.0	147.0	146.0	150.0	150.0
42"		116.0	150.0	150.0	131.0	150.0	150.0	76.0	101.0	126.0	125.0	150.0	150.0
48"	102"	101.0	135.0	150.0	115.0	150.0	150.0	66.0	88.0	111.0	109.0	146.0	150.0
		90.0	120.0	150.0	102.0	136.0	150.0	59.0	79.0	98.0	97.0	130.0	150.0
60"		81.0	108.0	135.0	92.0	122.0	150.0	53.0	71.0	88.0	88.0	117.0	146.0
30"		150.0	150.0	150.0	150.0	150.0	150.0	100.0	134.0	150.0	150.0	150.0	150.0
36"		128.0	150.0	150.0	144.0	150.0	150.0	84.0	111.0	139.0	138.0	150.0	150.0
42"	108"	109.0	146.0	150.0	124.0	150.0	150.0	72.0	95.0	119.0	118.0	150.0	150.0
48"		96.0	128.0	150.0	108.0	144.0	150.0	63.0	84.0	104.0	103.0	138.0	150.0
54"		85.0	113.0	142.0	96.0	128.0	150.0	56.0	74.0	93.0	92.0	122.0	150.0
60"		77.0	102.0	128.0	87.0	116.0	144.0	50.0	67.0	84.0	83.0	110.0	138.0
30"		145.0	150.0	150.0	150.0	150.0	150.0	95.0	127.0	150.0	150.0	150.0	150.0
36"		121.0	150.0	150.0	137.0	150.0	150.0	79.0	106.0	132.0	131.0	150.0	150.0
42"		104.0	138.0	150.0	117.0	150.0	150.0	68.0	90.0	113.0	112.0	149.0	150.0
48"	114"	91.0	121.0	150.0	103.0	137.0	150.0	59.0	79.0	99.0	98.0	131.0	150.0
54"	,	81.0	107.0	134.0	91.0	122.0	150.0	53.0	70.0	88.0	87.0	116.0	145.0
60"		73.0	97.0	121.0	82.0	109.0	137.0	47.0	63.0	79.0	78.0	104.0	131.0
30"		138.0	150.0	150.0	150.0	150.0	150.0	90.0	120.0	150.0	149.0	150.0	150.0
36"		115.0	150.0	150.0	130.0	150.0	150.0	75.0	100.0	125.0	124.0	150.0	150.0
42"		98.0	131.0	150.0	111.0	149.0	150.0	64.0	86.0	107.0	106.0	142.0	150.0
48"	120"	86.0	115.0	144.0	98.0	130.0	150.0	56.0	75.0	94.0	93.0	124.0	150.0
54"		77.0	102.0	128.0	87.0	116.0	144.0	50.0	67.0	84.0	83.0	110.0	138.0
57"		73.0	97.0	121.0	82.0	109.0	137.0	47.0	63.0	79.0	78.0	104.0	131.0
30"		131.0	150.0	150.0	149.0	150.0	150.0	86.0	115.0	143.0	142.0	150.0	150.0
36"		109.0	146.0	150.0	124.0	150.0	150.0	72.0	95.0	119.0	118.0	150.0	150.0
42"	11	94.0	125.0	150.0	106.0	141.0	150.0	61.0	82.0	102.0	101.0	135.0	150.0
48"	126"	82.0	109.0	137.0	93.0	124.0	150.0	54.0	72.0	90.0	89.0	118.0	148.0
54"		73.0	97.0	121.0	83.0	110.0	138.0	48.0	64.0	80.0	79.0	105.0	131.0
30"		125.0	150.0	150.0	142.0	150.0	150.0	82.0	109.0	137.0	135.0	150.0	150.0
36"		104.0	139.0	150.0	118.0	150.0	150.0	68.0	91.0	114.0	113.0	150.0	150.0
42"	4 70 1	89.0	119.0	149.0	101.0	135.0	150.0	59.0	78.0	98.0	97.0	129.0	150.0
48"	132"	78.0	104.0	130.0	89.0	118.0	148.0	51.0	68.0	85.0	85.0	113.0	141.0
52"		72.0	96.0	120.0	82.0	109.0	136.0	47.0	63.0	79.0	78.0	104.0	130.0

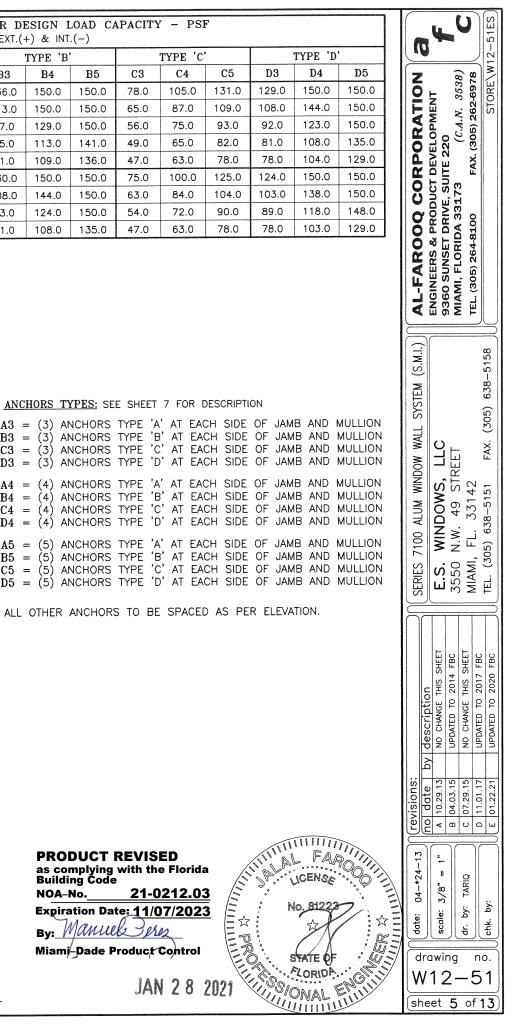
HEAD/SILL ANCHOR DESIGN LOAD CAPAC EXT.(+) & INT.(-)								
NOMIN	AL DIMS.	I	TYPE 'A'		1	TYPE 'B	,	
WIDTH (W)	FRAME HEIGHT	A3	A4	A5	B3	B4	B5	C3
30"		120.0	150.0	150.0	136.0	150.0	150.0	78.0
36"		100.0	133.0	150.0	113.0	150.0	150.0	65.0
42"	470"	86.0	114.0	143.0	97.0	129.0	150.0	56.0
48"	138"	75.0	100.0	125.0	85.0	113.0	141.0	49.0
50		72.0	96.0	120.0	81.0	109.0	136.0	47.0
30"		115.0	150.0	150.0	130.0	150.0	150.0	75.0
36"	A 4 4 ³³	96.0	128.0	150.0	108.0	144.0	150.0	63.0
42"	144"	82.0	109.0	137.0	93.0	124.0	150.0	54.0
48"		72.0	96.0	120.0	81.0	108.0	135.0	47.0
	ali se contra contra de la contra contra contra de la contr							

7										
= = = = = =			FRAME HEICHT							
W1	W2	W3								
	WIDTH (W) = W1 AT FRAME JAMB									
	h (W) = E mullioi		+ W3 2							

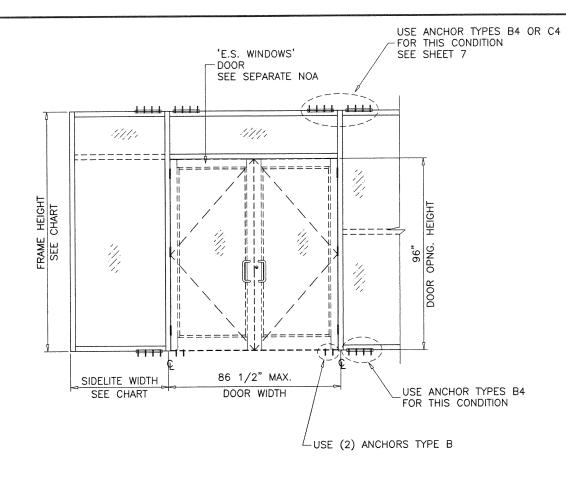
111	UII	0110	<u> </u>		. 0116				
A3 B3 C3 D3		<u> </u>	ANCHOR ANCHOR ANCHOR ANCHOR	RS - RS -	TYPE TYPE TYPE TYPE				
A4 B4 C4 D4	=	(4) (4) (4) (4)	ANCHOR ANCHOR ANCHOR ANCHOR	35 35	TYPE TYPE TYPE TYPE				
A5 B5 C5 D5		(5)	ANCHO ANCHO ANCHO ANCHO	RS RS	TYPE TYPE TYPE TYPE				
ALL OTHER ANCHORS TO									

PRODUCT as complyin Building Cod	
NOA-No.	21
Expiration D	ate: 11

By: Manuel Peres

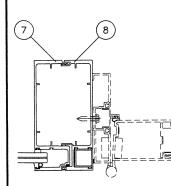


DOC	R MULLION	DESIGN LOAD	CAPACITY-	PSF
SIDELITE	FRAME		MULL 'MD2'	
WIDTH INCHES	HEIGHT INCHES	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30		90.0	90.0	90.0
36		90.0	90.0	90.0
42	120	90.0	90.0	90.0
48	120	90.0	90.0	90.0
54		90.0	90.0	90.0
57		88.6	90.0	90.0
30		90.0	90.0	90.0
36		90.0	90.0	90.0
42	126	88.2	90.0	90.0
48		83.9	90.0	90.0
54		80.0	90.0	90.0
30	87.1		90.0	90.0
36		82.2	90.0	90.0
42	132	77.6	90.0	90.0
48		73.4	90.0	90.0
52		70.9	89.2	90.0
30		74.1	90.0	90.0
36		69.8	90.0	90.0
42	138	66.0	86.7	90.0
48		62.6	82.6	90.0
50		61.5	81.4	90.0
30		63.6	86.9	90.0
36	144	60.0	82.5	90.0
42	1 177	56.8	78.5	90.0
48		53.9	74.8	90.0



ſ	DOO	R MULLION	DESIGN LOAI	CAPACITY-	PSF		. U
ł	SIDELITE	FRAME	MULL 'MD1'	MULL 'MD2'	MULL 'MD3'		2-51
	WIDTH INCHES	HEIGHT INCHES	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)		
ŀ	30		90.0	90.0	90.0		ZPORATION DEVELOPMENT TE 220 (<i>C.A.N.</i> 3538) (<i>C.A.N.</i> 3538) FAX. (305) 262-6978 FAX. (305) 262-6978
	36		90.0	90.0	90.0		510 STO
	42	100	90.0	90.0	90.0		A.A.A.
	48	120	90.0	90.0	90.0		
	54		89.6	90.0	90.0		A S S A
	57		87.5	90.0	90.0		
ſ	30		90.0	90.0	90.0		
	36		90.0	90.0	90.0		A V D O
	42	126	86.4	90.0	90.0		A 3 PRICO
	48	120	81.7	90.0	90.0		
	54		77.4	90.0	90.0		Sec 19
	30		81.8	90.0	90.0		
	36		77.0	90.0	90.0		
	42	132	72.7	90.0	90.0		AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 (C.A.N. 3538 MIAMI, FLORIDA 33173 (C.A.N. 3538 TEL. (305) 264-8100 FAX. (305) 262-6978 TEL. (305) 264-8100
	48		68.8	90.0	90.0		
	52		66.5	90.0	90.0		
	30		69.4	90.0	90.0		SYSTEM (S.M.I.) 05) 638–5158
	36		65.4	90.0	90.0		TEM (S.M.I. 638–5158
	42	138	61.8	89.2	90.0		W 82
	48		58.6	84.6	90.0		(STI
ļ	50		57.7	83.1	90.0		
	30		59.6	85.9	90.0		
	36		56.2	81.1	90.0		N WA LLC FAX.
	42	144	53.2	76.7	90.0		WINDOW STREE 51 F/
L	48		50.5	72.9	90.0		ALUM WIN DOWS, 49 ST 33142 58-5151
<u>SI</u>	(7A)	GLASS	MULLIO	<u>NS</u>		(BA)	SERIES 7100 ALUM WINDOW WALL E.S. WINDOWS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142 TEL. (305) 638-5151
		ION , WD5,			MULLION 'k		description No Chance THIS SHEET UPDATED TO 2014 FBC NO CHANCE THIS SHEET UPDATED TO 2017 FBC UPDATED TO 2020 FBC
	MULL		Ix in^4 Sx	IN^3	MULLION	ID3	ns: e by 13 15 15 21 21
	ALUMIN STEEL TOTAL Ix ALUM +	UM	14.414 4.4 2.197 1.1 20.786	88 Al 72 S' T	LUMINUM FEEL OTAL ALUM + 1x STL >	14.414 4.488 4.394 2.344	Image: construction of the state o
		as compl Building NOA–No.		he Florida 0212.03			date: 09-12-12 scale: 3/8" = 1" dr. by: TARIQ chk. by:
		Miami∕–Da	ide Producț JA	Control	021	STATE OF	drawing no. W12-51 (sheet 6 of 13)

LAMINATED GLASS MULLIONS





Ix IN^4	Sx IN^3
15.385	4.546

7 8)

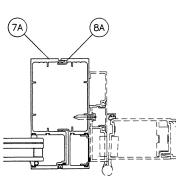
MULLION 'MD2'

	Ix IN^4	Sx IN^3
ALUMINUM	15.385	4.546
STEEL	3.797	1.6875
TOTAL Ix ALUM + Ix STL X 2.9	26.396	

$\overline{\mathcal{I}}$	8	
	6	
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MULLION 'MD3'

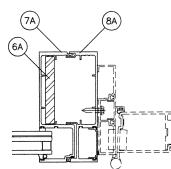
	Ix IN^4	Sx IN^3
ALUMINUM	15.385	4.546
STEEL	7.594	3.375
TOTAL IX ALUM + IX STL X 2.9	37.407	



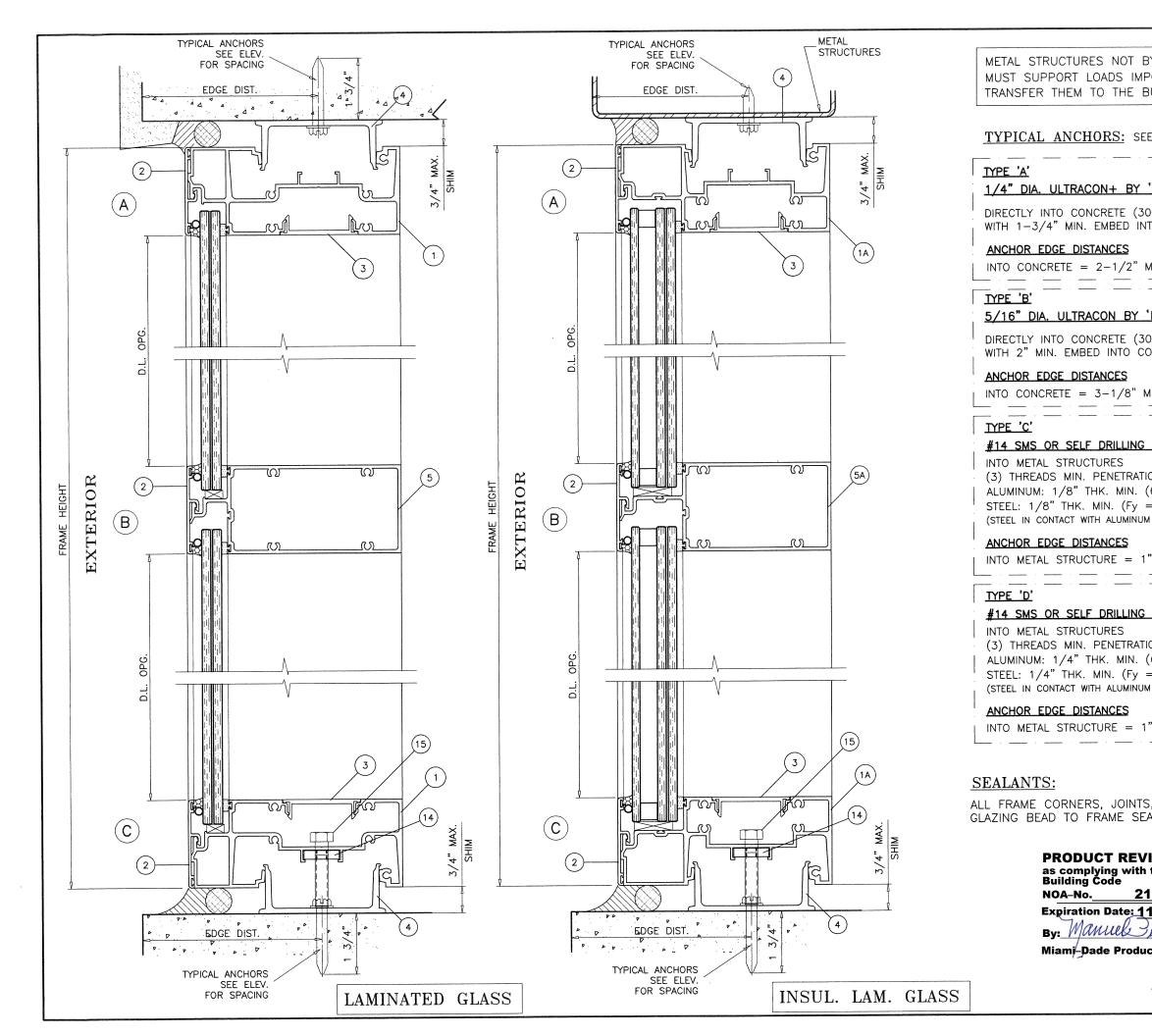
MULLION 'MD1'

Ix IN ⁴	Sx IN^3
14.414	4.488

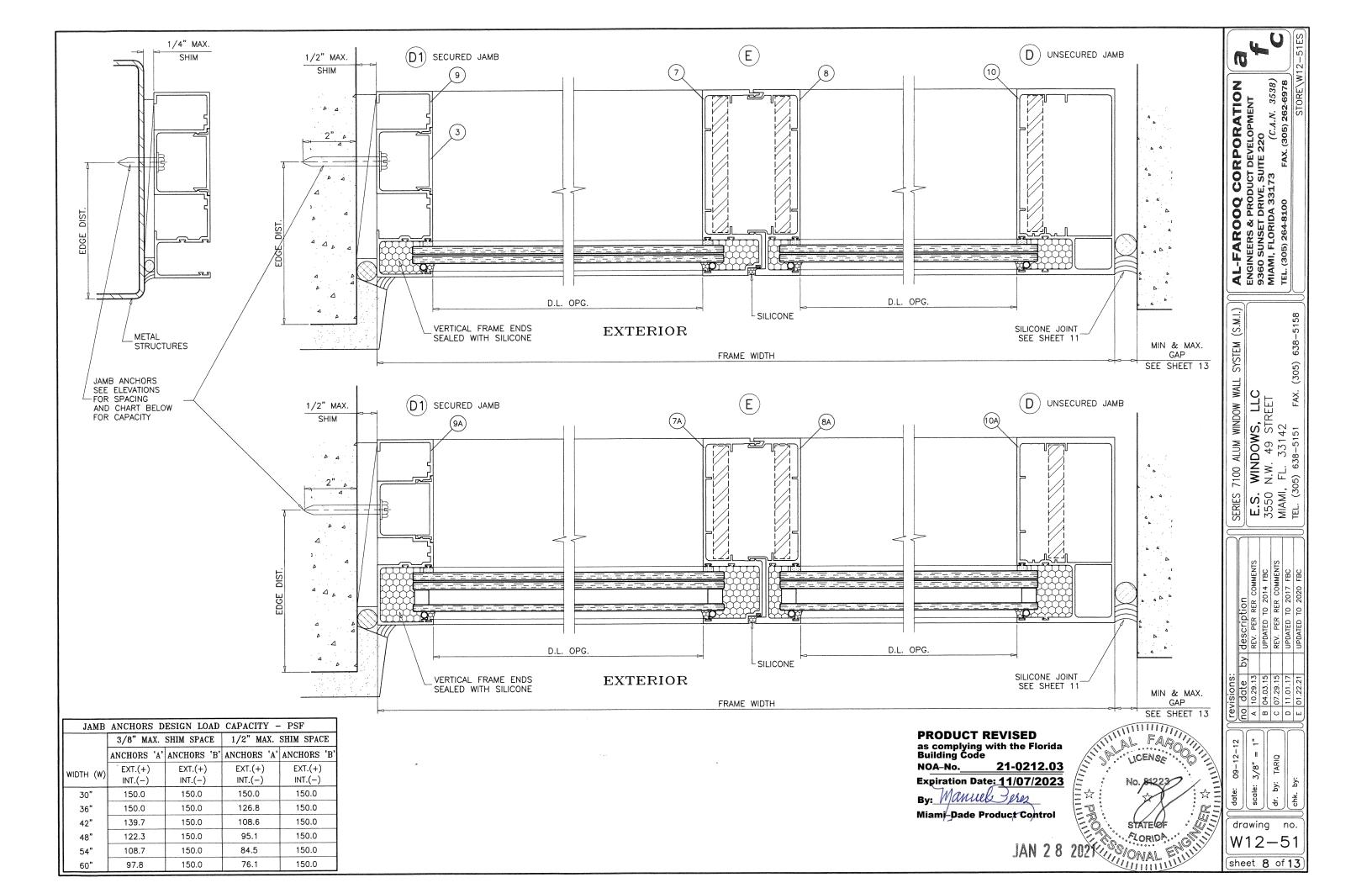
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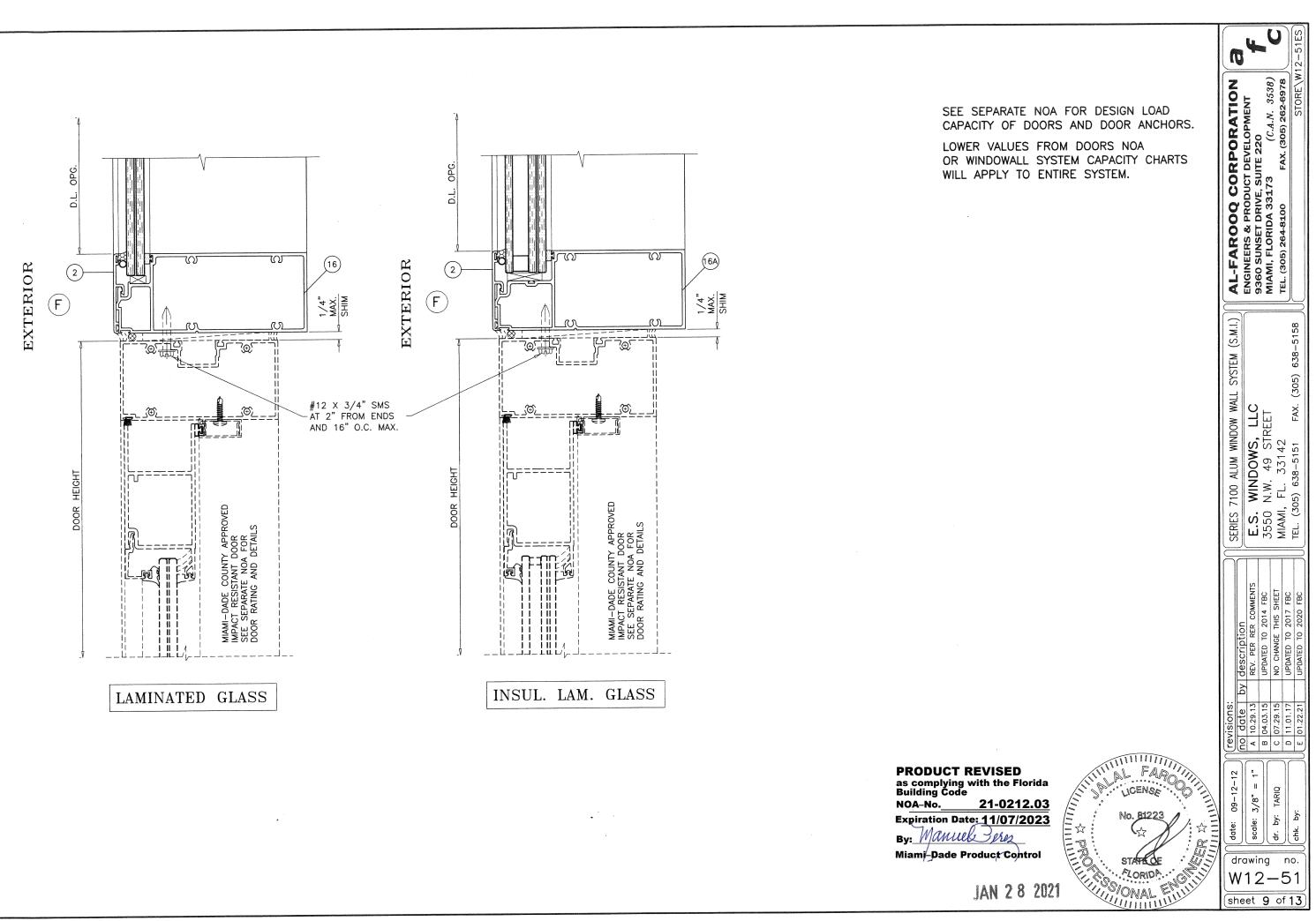


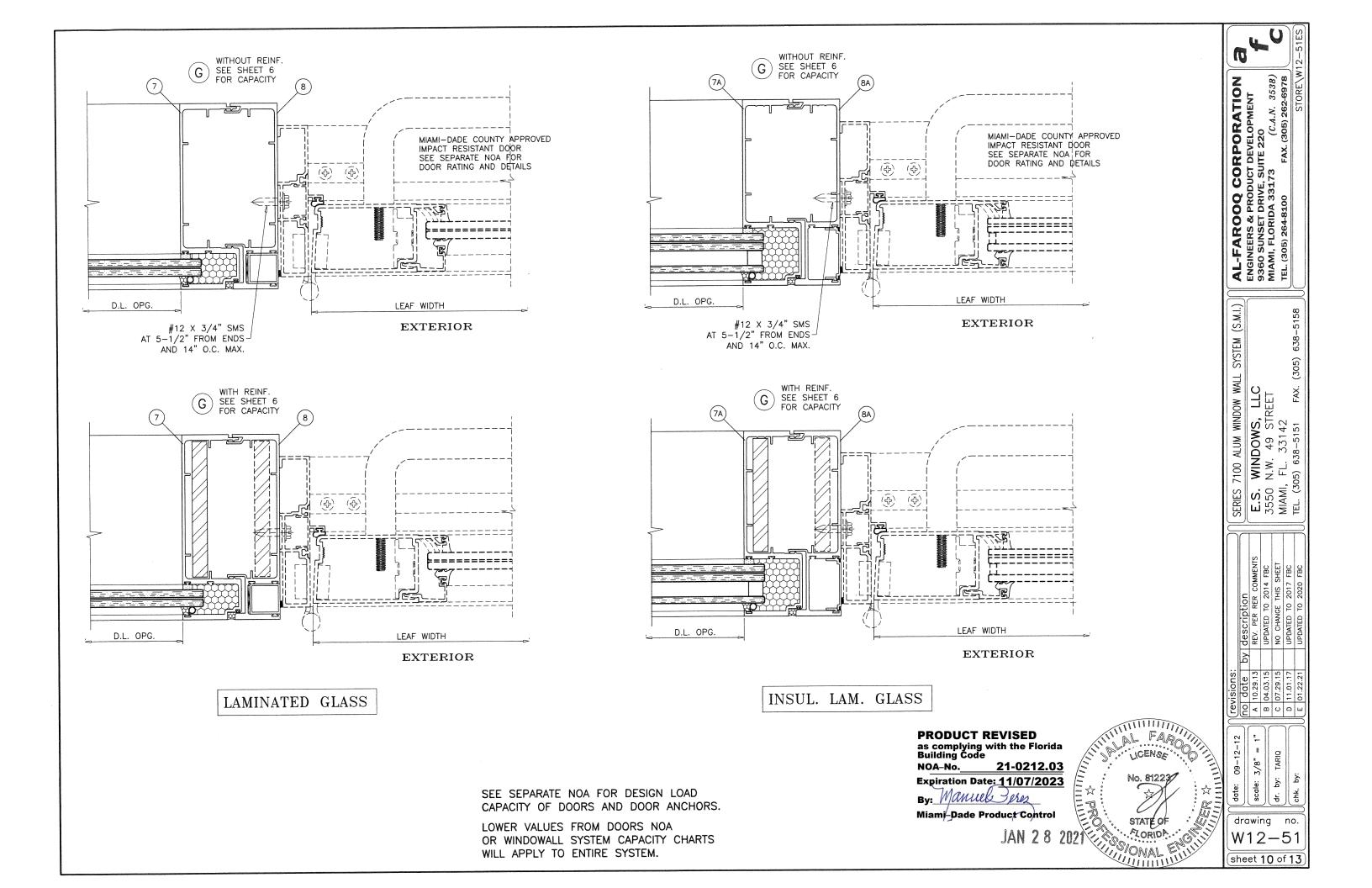
DOC	R MULLION	DESIGN LOAI) CAPACITY	-PSF		TION IENT V. 3538) 62-6978 STORE\W12-51ES
SIDELITE	FRAME	MULL 'MD1'				
WIDTH INCHES	HEIGHT INCHES	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (-)		
30		90.0	90.0	90.0		10N NT 3538) 2-6978 CORE\V
36		90.0	90.0	90.0		TI EN1 510 STO
42	120	90.0	90.0	90.0		RAT O (<i>C.A.N</i> . O O O O S 262 O S T
48	120	90.0	90.0	90.0		
54		89.6	90.0	90.0		AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 (C.A.N. 3538) TEL. (305) 264-8100 FAX. (305) 262-6978 TEL. (305) 264-8100 FAX. (305) 262-6978
57		87.5	90.0	90.0		K C L D C C
30 76		90.0	90.0 90.0	90.0		AL-FAROOQ CO ENGINEERS & PRODUCI 9360 SUNSET DRIVE, SI MIAMI, FLORIDA 33173 TEL. (305) 264-8100
36 42		90.0 86.4	90.0	90.0		
48	126	81.7	90.0	90.0		AL-FAROOQ ENGINEERS & PRO 9360 SUNSET DRIV MIAMI, FLORIDA 33 TEL. (305) 264-8100
54		77.4	90.0	90.0		AL-FARO ENGINEERS & 9360 SUNSET MIAMI, FLORIE TEL. (305) 264-6
30		81.8	90.0	90.0		SUNN FL
36		77.0	90.0	90.0		MIN 00 IN
42	132	72.7	90.0	90.0		AL MIA MIA MIA
48 50		68.8 66.5	90.0	90.0		
52 30		66.5 69.4	90.0 90.0	90.0 90.0		
30 36		65.4	90.0	90.0		LL SYSTEM (S.M.I.) (305) 638–5158
42	170	61.8	89.2	90.0		N (5
48	138	58.6	84.6	90.0		SYSTEM 35) 638
50		57.7	83.1	90.0		SY(
30		59.6	85.9	90.0		ALL
36		56.2	81.1	90.0		N WA LLC FAX.
42 48	144	53.2 50.5	76.7 72.9	90.0		WINDOW STREE 42 51 F,
L. LAM	GLASS	MULLIO		7A	(6A)	EERIES 7100 ALUM WINDOW WAL E.S. WINDOWS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142 TEL. (305) 638–5151 FAX. (
			図 			description No chance THIS SHEET UPDATED TO 2014 FBC NO CHANCE THIS SHEET UPDATED TO 2017 FBC UPDATED TO 2020 FBC
MULI	LION 'MD2'			MULLION 'N		by
ALUMIN STEEL TOTAL IX ALUM +	UM	14.414 4.4	72	ALUMINUM STEEL TOTAL IX ALUM + IX STL :	Ix IN^4 Sx IN^3 14.414 4.488 4.394 2.344 x 2.9 27.158 27.158	Tevisions: no date A 10.29.13 B 04.03.15 C 07.29.15 D 11.01.17 E 01.22.21
	as compl Building NOA-No. Expiratio By:		he Florida <u>0212.03</u> 07/2023		NO 81223	building date: 09-12-12 building building buildi
		JL	N 28	2021	PONAL ENTITY	W12-51 sheet 6 of 13



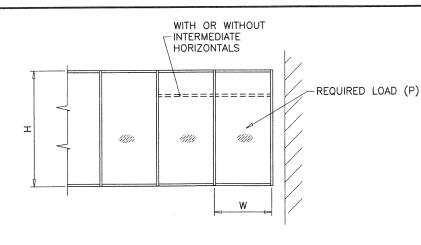
Y 'E.S. WDW.'	
OSED BY GLAZING SYSTEM AND UILDING STRUCTURE.	TION ENT 6. 3538) 62-6978 C C C C
E ELEV. FOR SPACING	7 7 7.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A
DEWALT' (Fu=164 KSI, Fy=148 KSI) 00 PSI MIN.) TO CONC.	AL-FAROOQ CORPOF ENGINEERS & PRODUCT DEVELC 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 (1 TEL. (305) 264-8100 FAX. (30
IIN. 	AL-FAROOQ CO ENGINEERS & PRODUCI 9360 SUNSET DRIVE, SI MIAMI, FLORIDA 33173 TEL. (305) 264-8100
00 PSI MIN.)	4 ¹ / ₂ ³ / ₂ ⁴ / ₂
	SERIES 7100 ALUM WINDOW WALL SYSTEM (S.M.I.) E.S. WINDOWS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142 TEL. (305) 638-5151 FAX. (305) 638-5158
SCREWS ST/ST (Fu=100 KSI, Fy=65 KSI)	W WAL LLC ET FAX.
DN BEYOND SUBSTRATE 6063–T5 MIN.) = 36 KSI MIN.) TO BE PLATED OR PAINTED)	7100 ALUM WINDOW W/ WINDOWS, LLC N.W. 49 STREET FL. 33142 5) 638-5151 FAX.
' міл. : : : : : : :	SERIES 7100 ALUM WIN E.S. WINDOWS, 3550 N.W. 49 ST MIAMI, FL. 33142 TEL. (305) 638-5151
<u>SCREWS ST/ST</u> (Fu=100 KSI, Fy=65 KSI)	
DN BEYOND SUBSTRATE 6063–T5 MIN.) = 36 KSI MIN.) TO BE PLATED OR PAINTED) ' MIN.	description REV. PER RER COMMENTS UPDATED TO 2014 FBC REV. PER RER COMMENTS UPDATED TO 2017 FBC UPDATED TO 2020 FBC
, MULLION SEAMS AND PERIMETER OF ALED WITH SILICONE SEALANT.	Revisions: no date by t A 10.29.13 1 1 1 B 04.03.15 1
SED the Florida -0212.03 1/07/2023	date: 04-14-13 scale: 3/8" = 1" dr. by: TARIQ chk. by: chk. by:
Control	drawing no.
JAN 28 202	W12-51 (sheet 7 of 13)







AL DIMS.	LAM.			M 01140
		GLASS REINF.	INSUL. LA UNREINF.	REINF
FRAME HEIGHT	.079	.045	.081	.056
				.030
	.095	.054	.097	
96"			1	.078
				.090
				.101
			-	.112
				.071
				.086
102"				.100
				.114
				.128
				.143
				.090
				.108
108"			+	.126
				.144
		.130		.161
	.253	.144	.260	.179
	.157	.089	.161	.111
	.188	.107	.194	.134
114"	.220	.125	.226	.156
	.251	.143	.258	.178
	.282	.161	.290	.200
	.314	.179	.323	.223
	.192	.110	.198	.137
	.231	.132	.238	.164
120"	.269	.154	.277	.191
	.308	.176	.317	.219
	.365	.198	.376	.260
	.234	.133	.241	.166
	.281	.160	.289	.199
126"	.328	.187	.337	.233
	.374	.213	.385	.266
	.421	.240	.433	.299
	.282	.161	.290	.200
	.338	.193	.348	.240
132"	.395	.225	.406	.280
	.451	.257	.464	.320
	.488	.278	.503	.347
	.337	.192	.346	.239
179"	.404	.230	.416	.287
130	.471	.269	.485	.335
	.539	.307	.554	.383
	.399	.228	.411	.284
1 4 4 "	.479	.273	.493	.340
144	.559	.319	.575	.397
	102" 108" 114" 120" 126"	.126 .142 .158 .100 .121 .141 .161 .181 .201 114" .161 .181 .201 .126 .152 .177 .202 .227 .253 .157 .188 .200 .227 .253 .157 .188 .220 .227 .253 .157 .188 .220 .251 .282 .314 .192 .231 .20" .269 .308 .365 .234 .281 .328 .374 .421 .282 .338 .32" .451 .488 .337 <t< td=""><td>96" .126 .072 .142 .081 .158 .090 .100 .057 .121 .069 .141 .080 .161 .092 .181 .103 .201 .115 .201 .115 .201 .115 .126 .072 .152 .086 .177 .101 .202 .115 .227 .130 .253 .144 .157 .089 .188 .107 .220 .125 .143 .282 .161 .314 .179 .192 .114" .282 .161 .314 .179 .192 .114 .157 .281 .160 .234 .133 .281 .160 .328 .187 .374 .213 <t< td=""><td>96" .126 .072 .130 .142 .081 .146 .158 .090 .162 .100 .057 .103 .121 .069 .124 .141 .080 .145 .101 .092 .165 .181 .103 .186 .201 .115 .207 .126 .072 .130 .152 .086 .156 .177 .101 .182 .202 .115 .208 .227 .130 .234 .253 .144 .260 .157 .089 .161 .188 .107 .194 .220 .125 .226 .251 .143 .258 .282 .161 .290 .314 .179 .323 .192 .110 .198 .231 .132 .238 .186 .176 .31</td></t<></td></t<>	96" .126 .072 .142 .081 .158 .090 .100 .057 .121 .069 .141 .080 .161 .092 .181 .103 .201 .115 .201 .115 .201 .115 .126 .072 .152 .086 .177 .101 .202 .115 .227 .130 .253 .144 .157 .089 .188 .107 .220 .125 .143 .282 .161 .314 .179 .192 .114" .282 .161 .314 .179 .192 .114 .157 .281 .160 .234 .133 .281 .160 .328 .187 .374 .213 <t< td=""><td>96" .126 .072 .130 .142 .081 .146 .158 .090 .162 .100 .057 .103 .121 .069 .124 .141 .080 .145 .101 .092 .165 .181 .103 .186 .201 .115 .207 .126 .072 .130 .152 .086 .156 .177 .101 .182 .202 .115 .208 .227 .130 .234 .253 .144 .260 .157 .089 .161 .188 .107 .194 .220 .125 .226 .251 .143 .258 .282 .161 .290 .314 .179 .323 .192 .110 .198 .231 .132 .238 .186 .176 .31</td></t<>	96" .126 .072 .130 .142 .081 .146 .158 .090 .162 .100 .057 .103 .121 .069 .124 .141 .080 .145 .101 .092 .165 .181 .103 .186 .201 .115 .207 .126 .072 .130 .152 .086 .156 .177 .101 .182 .202 .115 .208 .227 .130 .234 .253 .144 .260 .157 .089 .161 .188 .107 .194 .220 .125 .226 .251 .143 .258 .282 .161 .290 .314 .179 .323 .192 .110 .198 .231 .132 .238 .186 .176 .31



UNANCHORED JAMBS MOVEMENT AND JOINT SEALANT DETERMINATION CHART D100 AT LEFT TO BE USED TO DETERMINE JAMB DEFLECTION AT 100 PSF DESIGN WIND PRESSURE FOR ANY OF THE POSSIBLE UNANCHORED CONDITIONS. THIS VALUE CAN BE USED TO DETERMINE THE ACTUAL PROJECT DEFLECTION USING INSTRUCTIONS SHOWN BELOW.

USING GAP/DEFLECTION CHART DETERMINE THE MAX. DEFLECTION ALLOWED FOR THE GAPS SHOWN FOR TWO SEALANT TYPES.

INSTRUCTIONS: TO OBTAIN DEFLECTION AT PROJECT (Pd)

1. DETERMINE APPLICABLE JAMB (UNREINFORCED OR REINFORCED)

2. OBTAIN REQUIRED DESIGN WIND PRESSURE.

3. READ DEFLECTION AT 100 PSF (D100) FROM CHART AT LEFT.

4. OPTAIN PROJECT DEFLECTION (PD)

$$PD = \frac{P}{100} \times D100$$

(PD MUST NOT EXCEED L/180)

5. FROM CHART BELOW DETERMINE MAX. DEFLECTION ALLOWABLE FOR A GIVEN PROJECT GAP AND SEALANT TYPE.

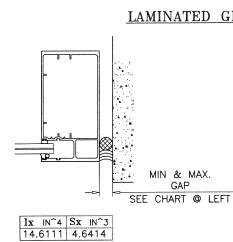
GAP/DEFL. CHART		
GAP. IN. MAX. DEFL		
.250" .433"		
.375"	.649"	
.500"	.800"	
.625"	.800"	
.750"	.800"	
1.000"	.800"	

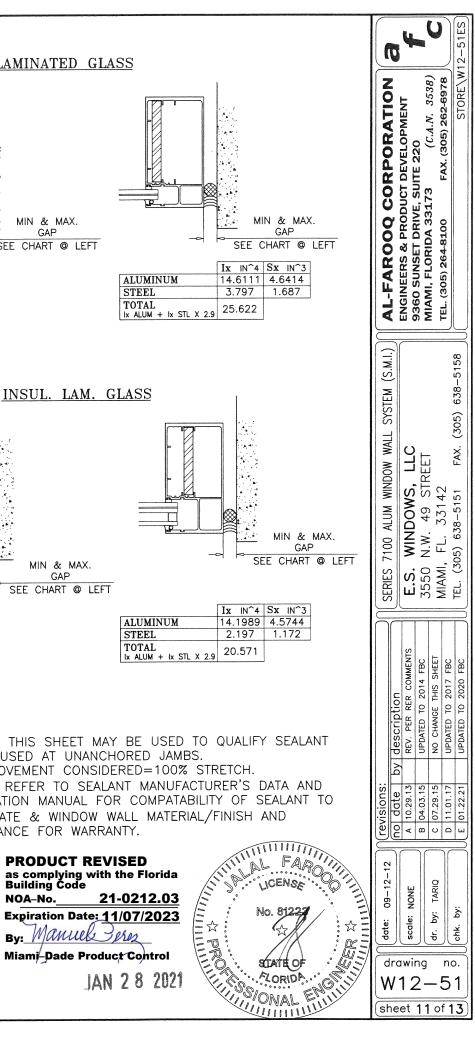
MAXIMUM GAP = 1"MINIMUM GAP = 1/4"

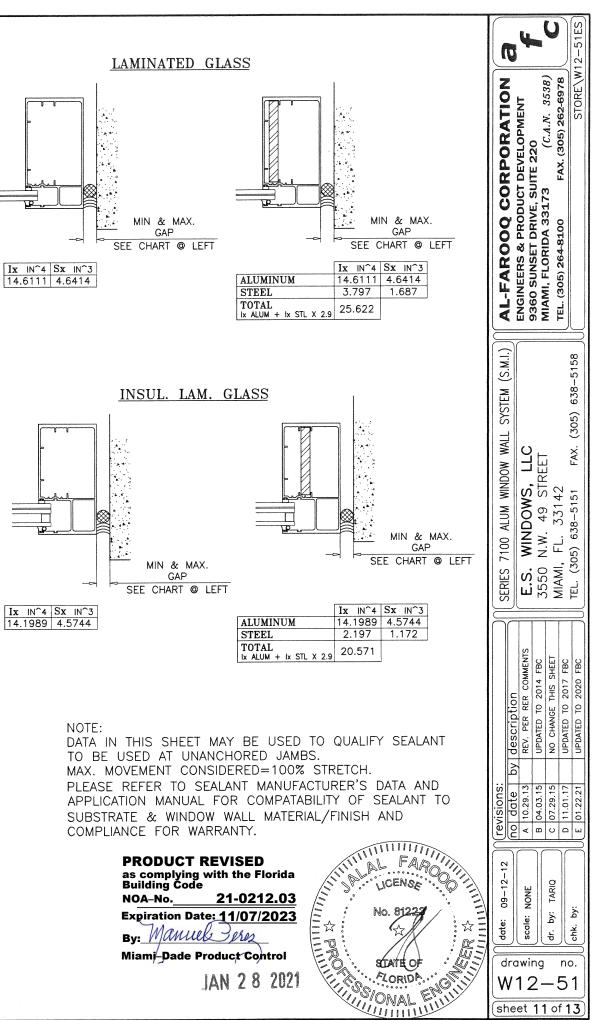
EXAMPLE: FOR A GAP OF 1/2" MAX. DEFLECTION ALLOWED = .800" FOR 100% STRETCH SEALANT

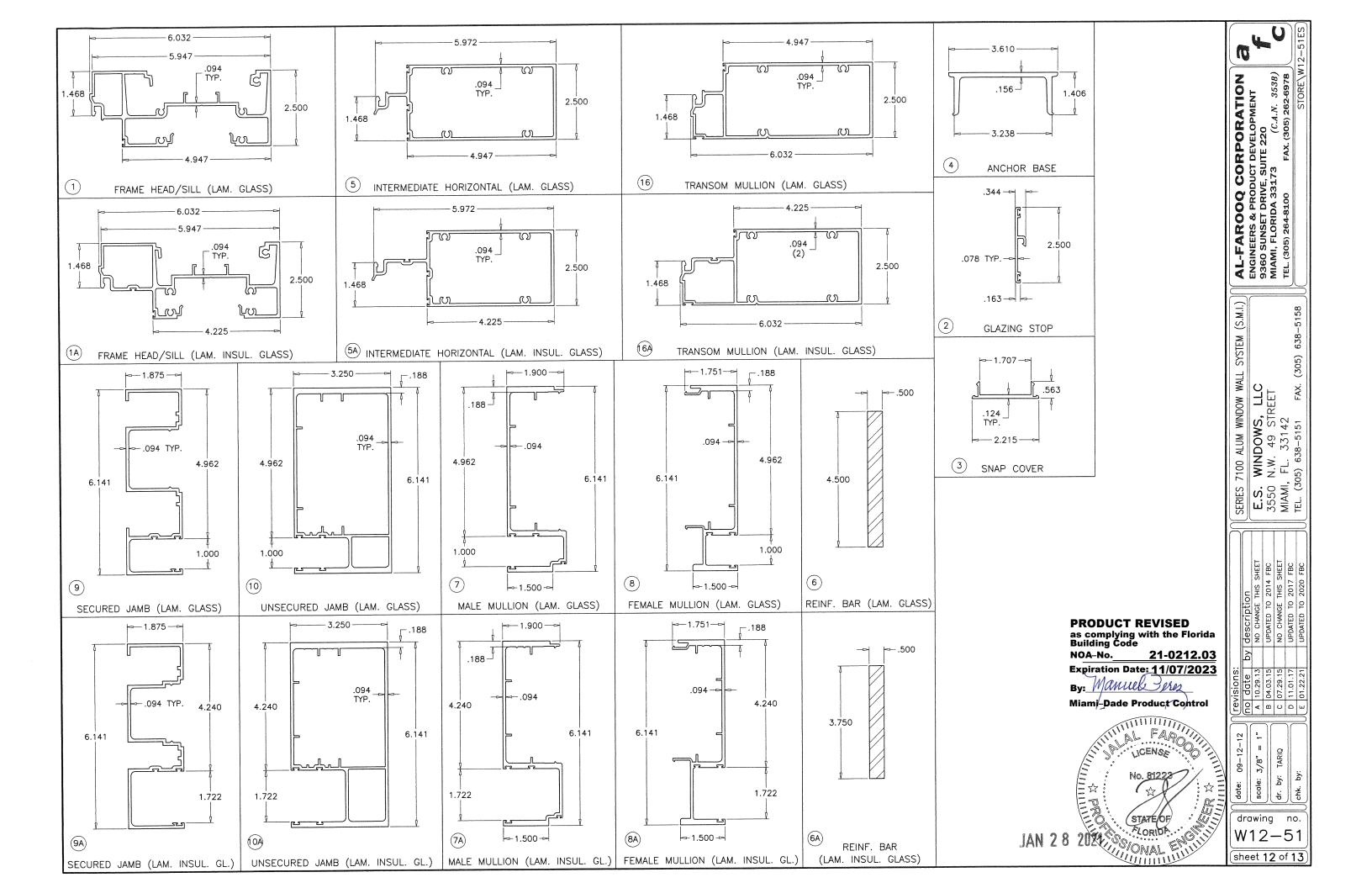
ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.

GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORD BY THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.









ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATI
1	ES7001B	AS REQD.	FRAME HEAD/SILL (LAM. GLASS)	600
1A	ES7021B	AS REQD.	FRAME HEAD/SILL (INSUL. LAM. GLASS)	600
2	ES7006	AS REQD.	GLAZING STOP	606
3	ES7003	AS REQD.	SNAP COVER	606
4	ES7004	AS REQD.	ANCHOR BASE, 9" LONG	600
5	ES7005	AS REQD.	INTERMEDIATE HORIZONTAL (LAM. GLASS)	600
5A	ES7022	AS REQD.	INTERMEDIATE HORIZONTAL (INSUL. LAM. GLASS)	600
6		AS REQD.	REINFORCING BAR (LAM. GLASS)	ST
6A	-	AS REQD.	REINFORCING BAR (INSUL. LAM. GLASS)	ST
7	ES7007	AS REQD.	MALE MULLION (LAM. GLASS)	600
7A	ES7023	AS REQD.	MALE MULLION (INSUL. LAM. GLASS)	600
8	ES7008	AS REQD.	FEMALE MULLION (LAM. GLASS)	600
8A	ES7024	AS REQD.	FEMALE MULLION (INSUL. LAM. GLASS)	600
9	ES7009	AS REQD.	SECURED JAMB (LAM. GLASS)	606
9A	ES7025	AS REQD.	SECURED JAMB (INSUL. LAM. GLASS)	606
10	ES7010A	AS REQD.	UNSECURED JAMB (LAM. GLASS)	600
10A	ES7026A	AS REQD.	UNSECURED JAMB (INSUL. LAM. GLASS)	600
11	-	AS REQD.	INTERIOR GASKET	EP
12	ES7012	AS REQD.	EXTERIOR GLASS SEAL	EF
13	#12 X 1"	AS REQD.	FRAME ASSEMBLY SCREWS	
13A	#14 X 1"	AS REQD.	FRAME ASSEMBLY SCREWS	
14	-	AS REQD.	1/4" X 1" BAR WITH 3/8" THREADED HOLE	ALUN
15	3/8" BOLT	AS REQD.	LEVELING SCREW	ST
16	-	AS REQD.	TRANSOM MULLION (LAM. GLASS)	600
16A	_	AS REQD.	TRANSOM MULLION (INSUL. LAM. GLASS)	600
17	-	2/ LITE	SETTING BLOCK	EF

		\square
ATERIAL	MANF./SUPPLIER/REMARKS	TION ENT (, 3538) (,
6005-T5	-	
6005-T5		
6063-T6		AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 (<i>C.A.N.</i> 3538) TEL. (305) 264-8100 FAX. (305) 262-6978 TEL. (305) 264-8100 FAX. (305) 262-6978
6063-T5		AL-FAROOQ CORPORATIC ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 (C.A.N. 35 TEL. (305) 264-8100 FAX. (305) 262-69 STOF
6005-T5	-	A Mime A.V
6005-T5		
6005-T5		X 50 EQ
STEEL	A36, Fu MIN. = 58 KSI	
STEEL	A36, Fu MIN. = 58 KSI	73 SU
6005-T5	_	
6005-T5	_	A 3 A 3 A 3
6005-T5		AL-FAROOQ CO ENGINEERS & PRODUCT 9360 SUNSET DRIVE, SL MIAMI, FLORIDA 33173 TEL. (305) 264-8100
6005-T5	-	26 26
6063-T6	_	H F SU SU SU SU SU F B
6063-T6	_	3 AM 617
6005-T5	-	MIL BO
6005-T5		
EPDM	DUROMETER 60±5 SHORE A	
EPDM	SILICONE DUROMETER 60±5 SHORE A	w wall system (S.M.I. LC ET Fax. (305) 638–5158
	PH SMS	8-5
	PH SMS	5TEN 63
ALUMINUM	6063-T5 MIN.	SYS 35)
ST/ST	-	(3(
6005-T5	-	¥ ∪ ×
6005-T5		LLI F CEE
EPDM	DUROMETER 80±5 SHORE A	STF STF
		SERIES 7100 ALUM WINDOW WALL SYSTEM (S.M.I.) E.S. WINDOWS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142 TEL. (305) 638-5151 FAX. (305) 638-5158
	PRODUCT REVISED	description REV. PER RER COMMENTS UPDATED TO 2014 FBC NO CHANGE THIS SHEET UPDATED TO 2017 FBC UPDATED TO 2017 FBC
	as complying with the Florida Building Code	deso REV. UPDA UPDA UPDA
	NOA-No. 21-0212.03	ρ
	Expiration Date: 11/07/2023	
	By: Manuel Peres	revisions: 10 date A 10.29.13 B 04.03.15 C 07.29.15 D 11.01.17 E 01.22.21
	Miami-Dade Product Control	revis A 10 B 04 C 07 D 11 D 11 E 01
	No. 81223	buikapp buikap
	ALORIDA S	W12_51
JAN 28	3 2021 CONAL ENTITION	sheet 13 of 13

