

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 "7000" Aluminum Window Wall System - L.M.I.

APPROVAL DOCUMENT: Drawing No. **W08-34**, titled "Series 7000 Alum. Window Wall System (L.M.I.)", sheets 1 through 13 and 13.1 of 13, dated 04/24/13, 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: Large and 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. 17-1218.08 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.

MIAMI-DADE COUNTY APPROVED

4/20/21

NOA No. 21-0212.02 Expiration Date: July 25, 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. 13-0115.04)*
- 2. Drawing No. **W08-34**, titled "Series 7000 Alum. Window Wall System (L.M.I.)", sheets 1 through 13 and 13.1 of 13, dated 04/24/13, with revision D dated 10/30/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E. *(Submitted under NOA No. 17-1218.08)*

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 a series ES-7000 aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8100**, dated 12/04/14, signed and sealed by Idalmis Ortega, P.E. *(Submitted under NOA No. 15-0430.05)*

- 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. 15-0430.05)
- **3.** Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of a series ES-7000 aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6922**, dated 01/03/13, signed and sealed by Marlin D. Brinson, P.E.

(Submitted under NOA No. 13-0115.04)

Manue

Manuel Pérez, P.E. Product Control Examiner NOA No. 21-0212.02 Expiration Date: July 25, 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 06/10/15 and revised on 10/26/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E. (Submitted under NOA No. 17-1218.08)
- 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. 17-0808.02 issued to Kuraray America, Inc. for their "SentryGlas® (Clear and White) Glass Interlayers" dated 12/28/17, expiring on 07/04/23.

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. 17-1218.08)

G. OTHERS

1. Notice of Acceptance No. **15-0430.05**, issued to ES Windows LLC, for their Series "7000" Aluminum Window Wall System – L.M.I., approved on 08/20/15 and expiring on 07/25/18.

Manue

Manuel Perez, P.E. Product Control Examiner NOA No. 21-0212.02 Expiration Date: July 25, 2023 Approval Date: April 29, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W08-34**, titled "Series 7000 Alum. Window Wall System (L.M.I.)", sheets 1 through 13 and 13.1 of 13, dated 04/24/13, 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 06/10/15, revised on 09/22/17, 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. 18-0725.11 issued to Kuraray America, Inc. for their "Kuraray SentryGlas[®] Xtra[™] (SGX[™]) Clear Glass Interlayer" dated 05/23/19, expiring on 05/23/24.

F. STATEMENTS

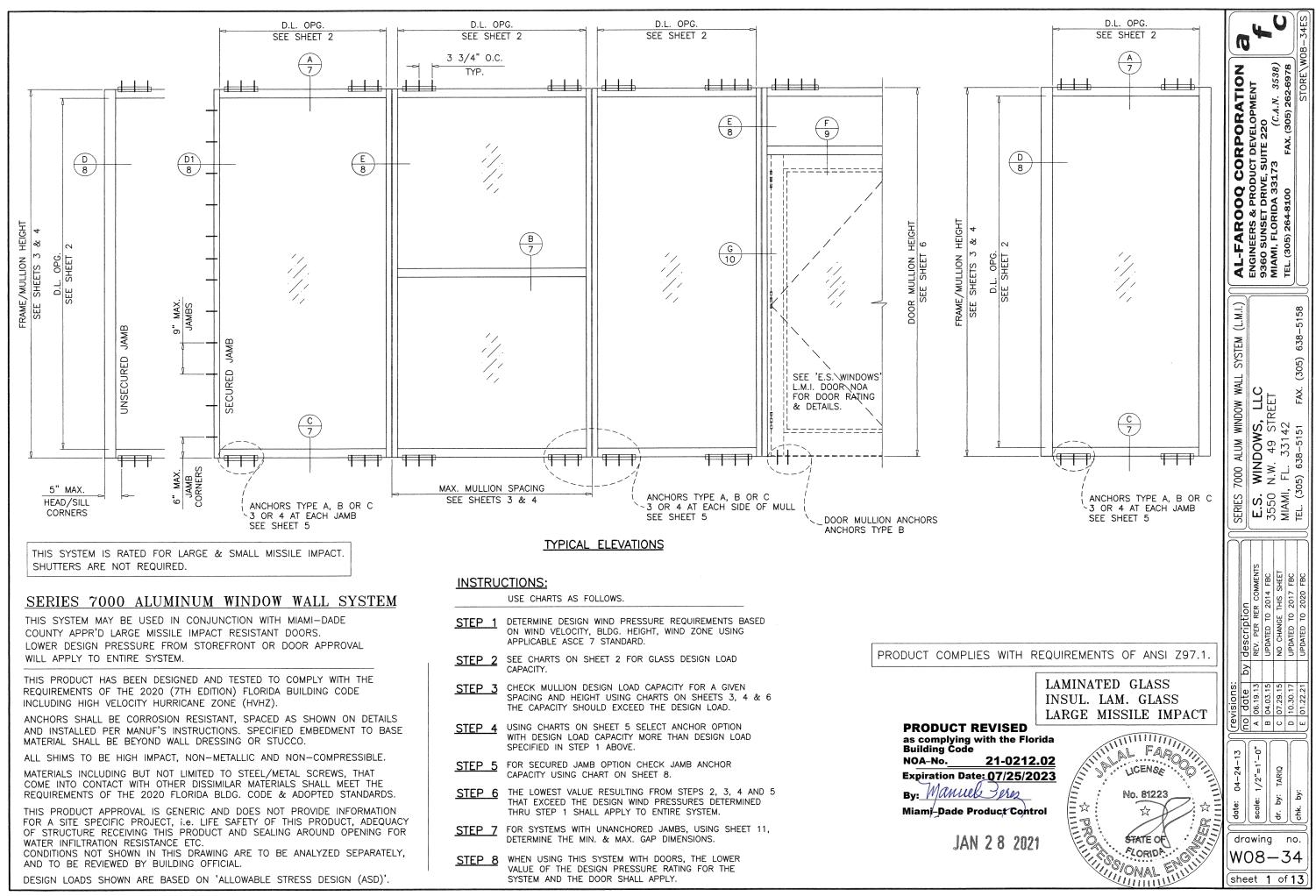
1. Statement letter of conformance, complying with FBC 7th Edition (2020), and of no financial interest, dated January 18, 2021, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

G. OTHERS

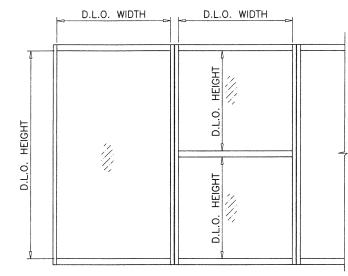
1. Notice of Acceptance No. 17-1218.08, issued to E.S. Windows, LLC, for their Series "7000" Aluminum Window Wall System – L.M.I., approved on 03/08/18 and expiring on 07/25/23.

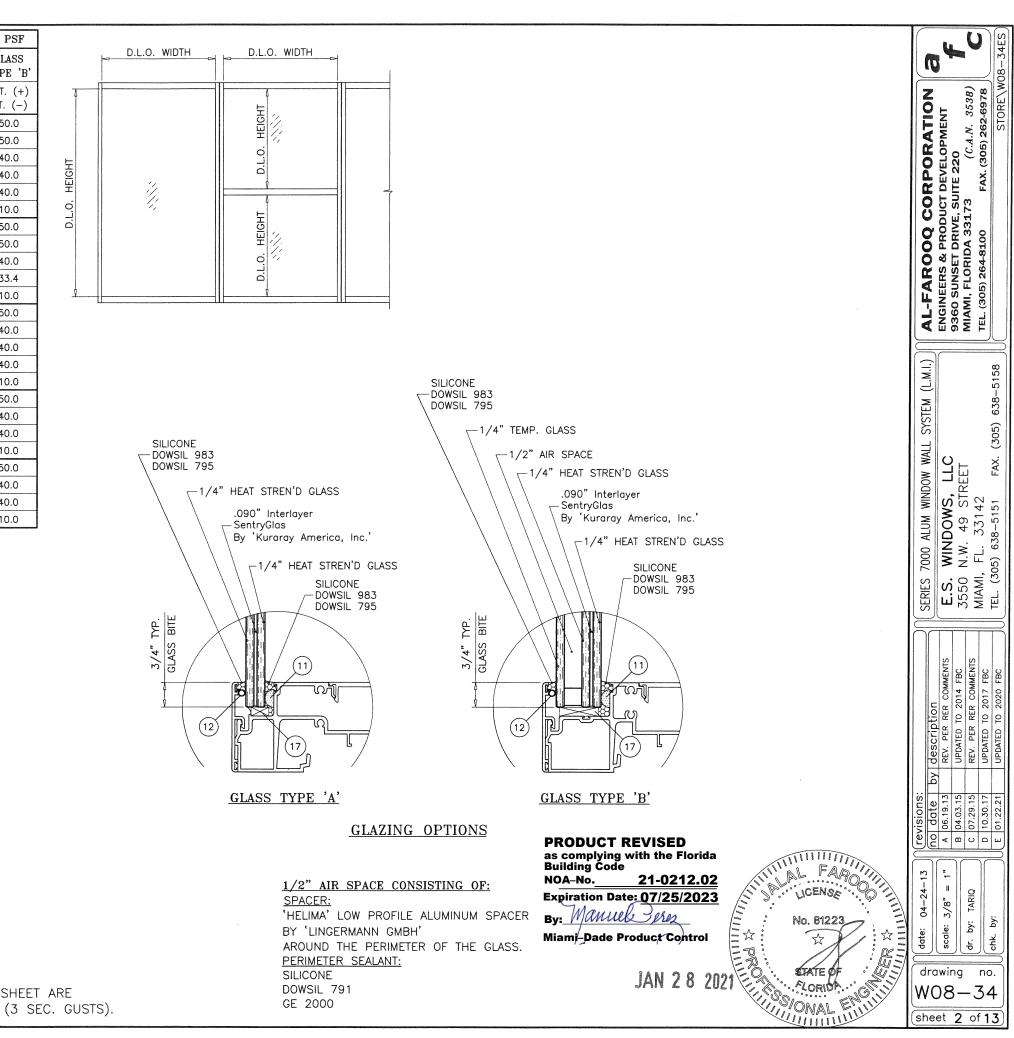
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Manuel Pérez, P.E. Product Control Examiner NOA No. 21-0212.02 Expiration Date: July 25, 2023 Approval Date: April 29, 2021

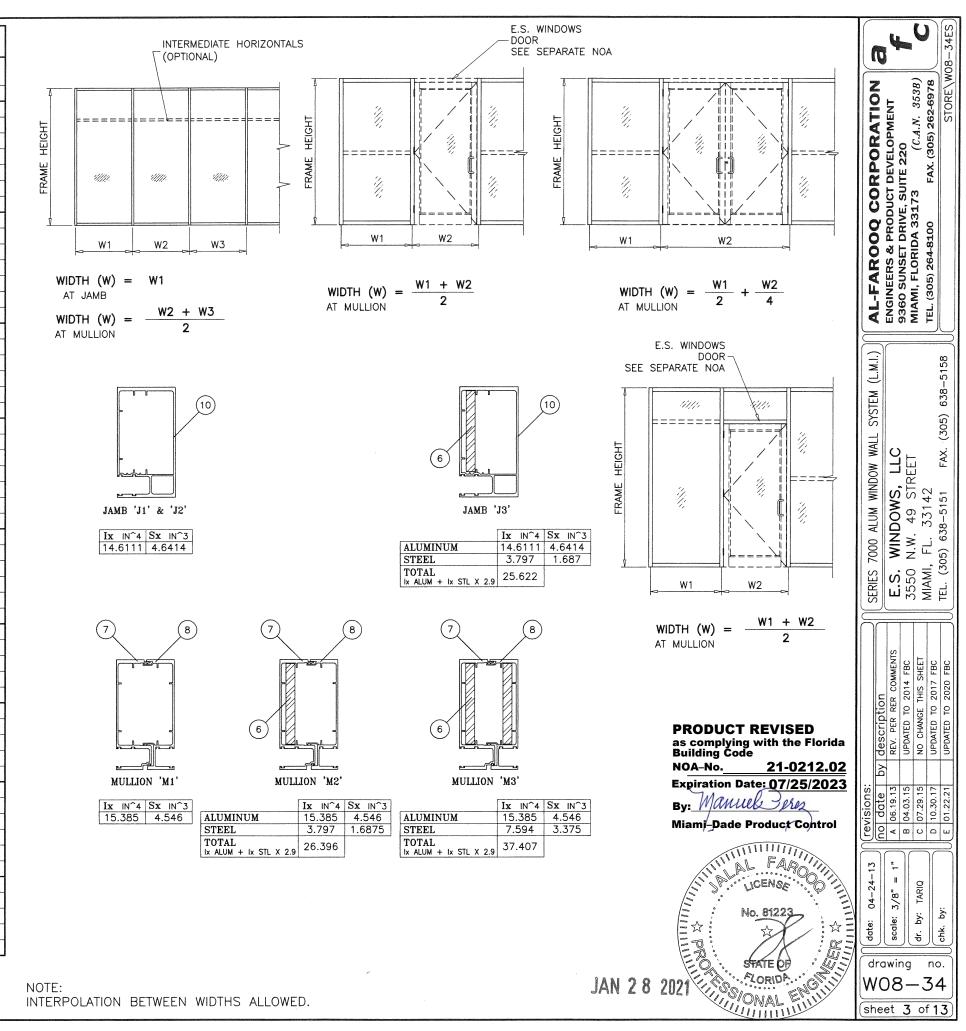


GLASS I	DESIGN LOAI	CAPACITY	-PSF	GLASS I	DESIGN LOAI) CAPACITY	r - PSF	
NOMINA	AL DIMS.	GLASS TYPE 'A'	GLASS TYPE 'B'	NOMINA	AL DIMS.	GLASS TYPE 'A'	GLASS TYPE 'B'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (–)	EXT. (+) INT. (–)	D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (–)	EXT. (+) INT. (–)	
36		150.0	150.0	36		150.0	150.0	
39		150.0	150.0	39		150.0	150.0	
42		150.0	150.0	42	124"	140.0	140.0	E
45 1/2	96"	150.0	150.0	45 1/2	124	140.0	140.0	light light
48		150.0	150.0	48"		140.0	140.0	D.L.O. HEIGHT
51		150.0	150.0	51		140.0	110.0	
54		140.0	140.0	36		150.0	150.0	- O
57		140.0	140.0	39		150.0	150.0	
36"		150.0	150.0	42	128"	140.0	140.0	
39		150.0	150.0	45 1/2		140.0	133.4	
42		150.0	150.0	48"		140.0	110.0	-
45 1/2	100"	150.0	150.0	36		150.0	150.0	
48"		150.0	150.0	39		140.0	140.0	
51		140.0	140.0	42	132"	140.0	140.0	
54		140.0	140.0	45 1/2		140.0	140.0	
57		140.0	140.0	48"		140.0	110.0	
36"		150.0	150.0	36		150.0	150.0	
39		150.0	150.0	39		140.0	140.0	
42		150.0	150.0	42	136"	140.0	140.0	
45 1/2	104"	150.0	150.0	45 1/2		140.0	110.0	
48"		150.0	150.0	36		150.0	150.0	
51		140.0	140.0	39		140.0	140.0	
54		140.0	140.0	42	139"	140.0	140.0	
57		140.0	140.0	45 1/2		140.0	110.0	
36		150.0	150.0					
39		150.0	150.0					
42		150.0	150.0					
45 1/2	108"	150.0	150.0					
48"	100	140.0	140.0					
51		140.0	140.0					
54		140.0	140.0					
57		135.0	110.0					
36		150.0	150.0					
39		150.0	150.0					
42		150.0	150.0					
45 1/2	112"	140.0	140.0					
48"		140.0	140.0					
+0 51		140.0	140.0					
54		138.0	140.0					
36		150.0	150.0					
39		150.0	150.0					
42		150.0	150.0					
45 1/2	116"	140.0	140.0					
48"		140.0	140.0					
40 51		140.0	140.0					
51		140.0	110.0					
36		150.0	150.0					
36 39		150.0	150.0					
39 42		150.0	150.0					
42 45 1/2	120"	140.0	140.0					
45 1/2 48"			140.0	NOTE:				
		140.0 140.0	140.0		CAPACITIE	S ON TH	IIS SHEET	ARE
51								

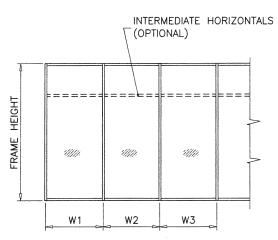




MULLION DESIGN LOAD CAPACITY - PSF CHART FOR LAMINATED GLASS MULLIONS				1	LLION DESIG				
NOMIN	AL DIMS.	JAMB MULL		NOMIN	AL DIMS.	JAMB MULL		JAMB MULL	
WIDTH (W)	FRAME HEIGHT	EXT. (+)	INT. (-)	WIDTH (W)	FRAME HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-
30"		125.0	125.0	30"		125.0	150.0	125.0	150.0
36"		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"	90	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	30"		125.0	150.0	125.0	150.0
42"	114"	125.0	125.0	36"		125.0	150.0	125.0	150.0
48"	114	125.0	125.0	42"	102"	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
42"	120"	125.0	125.0	30"		125.0	150.0	125.0	150.0
48"	120	115.1	115.1	36"		125.0	150.0	125.0	150.0
54"		102.3	102.3	42"	108"	125.0	150.0	125.0	150.0
57"		92.1	92.1	48"		125.0	150.0	125.0	150.0
30"		125.0	125.0	54"		125.0	140.0	125.0	140.0
36"		125.0	125.0	60"		125.0	140.0	125.0	140.0
42"	126"	113.6	113.6	30"		125.0	150.0	125.0	150.0
48"		99.4	99.4	36"		125.0	150.0	125.0	150.0
54"		88.4	88.4	42"	114"	125.0	150.0	125.0	150.0
30"		125.0	125.0	48"		125.0	150.0	125.0	150.0
36"		115.3	115.3	49"		125.0	150.0	125.0	150.0
42"	132"	98.8	98.8	54"		125.0	140.0	125.0	140.0
48"		86.5	86.5	60"		125.0	129.8	125.0	140.0
52"		76.9	76.9	30"		125.0	150.0	125.0	150.0
30"		121.1	121.1	36"		125.0	150.0	125.0	150.0
36"		100.9	100.9	42"	120"	125.0	150.0	125.0	150.0
42"	138"	86.5	86.5	48"		125.0	140.0	125.0	140.0
48"		75.7	75.7	54"		125.0	130.2	125.0	140.0
50"		69.9	69.9	57"		123.3	123.3	125.0	140.0
30"		106.6	106.6	30"		125.0	150.0	125.0	150.0
36"	144"	88.8	88.8	36"		125.0	150.0	125.0	150.0
42"		76.1	76.1	42"	126"	125.0	150.0	125.0	150.0
48"		66.6	66.6	48"		125.0	132.8	125.0	140.0
				54"		118.1	118.1	125.0	140.0
				30"		125.0	150.0	125.0	150.0
				36"		125.0	150.0	125.0	150.0
				42"	132"	125.0	138.3	125.0	150.0
				48"		121.0	121.0	125.0	140.0
				52"		111.7	111.7	125.0 125.0	140.0
				30" 36"		125.0 125.0	150.0 147.6	125.0	150.0 150.0
				36"	170"	125.0	147.6	125.0	150.0
				40"	138"	125.0	126.5	125.0	140.0
				42"		106.3	106.3	125.0	140.0
				48"		106.3	106.3	125.0	140.0
				50"		102.2		125.0	
				30" 76"			150.0		150.0
				36" 30"	144"	125.0	135.6	125.0	150.0
				39"		125.0	125.2	125.0	150.0
				42"		116.2	116.2	125.0	140.0
				48"		101.7	101.7	125.0	140.0

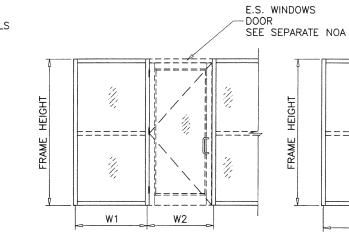


NOMIN	AL DIMS.	JAMB MULL		NOMIN	AL DIMS.	JAMB MULL		JAMB MULL	'JЗ' 'MЗ'
WIDTH (W)	FRAME HEIGHT			WIDTH (W)	FRAME HEIGHT			1	
30"		92.0	92.0	30"		100.0	150.0	100.0	150.0
36"		92.0	92.0	36"		100.0	150.0	100.0	150.0
42"	100"	92.0	92.0	42 [°]		100.0	150.0	100.0	150.0
48"	108"	92.0	92.0	48"	96"	100.0	150.0	100.0	150.0
54"		92.0	92.0	54"		100.0	150.0	100.0	150.0
60"		92.0	92.0	58"		100.0	140.0	100.0	140.0
30"		92.0	92.0	60"		100.0	140.0	100.0	140.0
36"		92.0	92.0	30"		100.0	150.0	100.0	150.0
42"	114"	92.0	92.0	36"		100.0	150.0	100.0	150.0
48"	114	92.0	92.0	42"	100"	100.0	150.0	100.0	150.0
54"		92.0	92.0	48"	102"	100.0	150.0	100.0	150.0
60"		92.0	92.0	54"		100.0	140.0	100.0	140.0
30"		92.0	92.0	55"		100.0	140.0	100.0	140.0
36"		92.0	92.0	60"		100.0	140.0	100.0	140.0
42"	100"	92.0	92.0	30"	1	100.0	150.0	100.0	150.0
48"	120"	92.0	92.0	36"		100.0	150.0	100.0	150.0
54"		92.0	92.0	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"		92.0	92.0	54"		100.0	140.0	100.0	140.0
36"		92.0	92.0	60"		100.0	140.0	100.0	140.0
42"	1.0.07	92.0	92.0	30"		100.0	150.0	100.0	150.0
48"	126"	92.0	92.0	36"		100.0	150.0	100.0	150.0
54"		82.8	82.8	42"		100.0	150.0	100.0	150.0
30"		92.0	92.0	48"	114"	100.0	140.0	100.0	140.0
36"		92.0	92.0	49"		100.0	140.0	100.0	140.0
42"		92.0	92.0	54"		100.0	140.0	100.0	140.0
48"	132"	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"		92.0	92.0	30"		100.0	150.0	100.0	150.0
36"		92.0	92.0	36"		100.0	150.0	100.0	150.0
42"	138"	81.0	81.0	42"	400"	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"		92.0	92.0	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"	106"	100.0	150.0	100.0	150.0
				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"	132"	100.0	133.1	100.0	140.0
				48"	IJZ	100.0	116.5	100.0	140.0
				52"		100.0	107.5	100.0	137.9
				30"		100.0	150.0	100.0	150.0
				36"		100.0	135.9	100.0	150.0
				42"	138"	100.0	116.5	100.0	140.0
				48"		100.0	101.9	100.0	133.0
				50"		97.9	97.9	100.0	127.6
				30"		100.0	140.0	100.0	140.0
				36"	1.4.17	100.0	119.6	100.0	140.0
				39"	144"	100.0	110.4	100.0	140.0
				42"		100.0	102.5	100.0	133.7
				48"		89.7	89.7	100.0	117.0

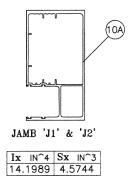


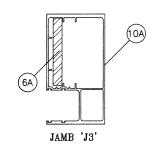
WIDTH (W) = W1 AT JAMB W2 + W3 WIDTH (W) = 2

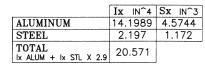
AT MULLION

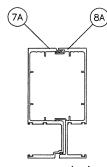


W1 + W2 WIDTH (W) = 2 AT MULLION



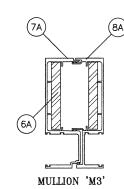






MULLION 'M1'

Ix IN^4 Sx IN^3 14.414 4.488



Ix IN^4 Sx IN^3 14.414 4.488 ALUMINUM STEEL 2.197 1.172 STEEL IX ALUM + IX STL X 2.9 20.786 TOTAL

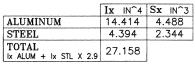
MULLION 'M2'

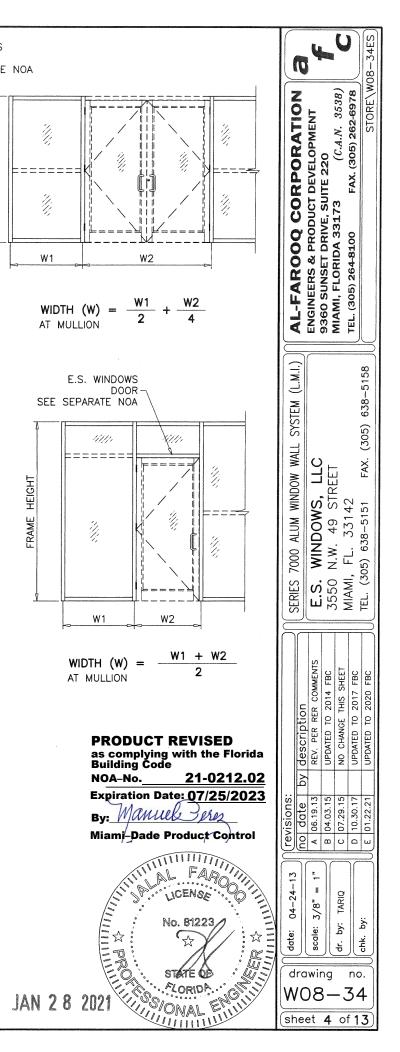
(7A)

(6A)

p......

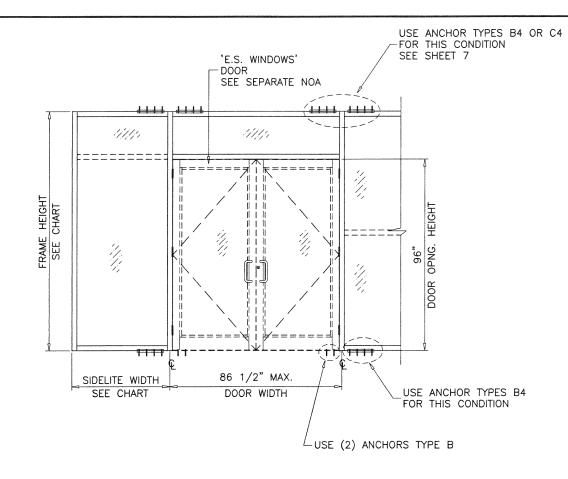
(8A)





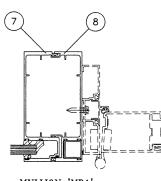
		H	IEAD/S	ILL ANG		ESIGN (+) & IN		APACITY	r – Psi	Ţ						H	EAD/SI	ILL ANC		ESIGN I +) & INT		APACITY	Y – PS	F				
NOMIN	AL DIMS.		TYPE 'A	3		TYPE '		1	TYPE 'C			TYPE 'D	ę	NOMIN	AL DIMS.	T	YPE 'A	5		TYPE 'B	*****	Τ	TYPE 'C	5		TYPE 'D'		
	FRAME HEIGHT	A3	A4	A5	B3	B4	B5	СЗ	C4	C5	D3	D4	D5		FRAME HEIGHT	A3	A4	A5	B3	B4	B5	СЗ	C4	C5	D3	D4	D5	
30"		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"		120.0	150.0	150.0	136.0	150.0	150.0	78.0	105.0	131.0	129.0	150.0	150.0	RATION PMENT
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"		100.0	133.0	150.0	113.0	150.0	150.0	65.0	87.0	109.0	108.0	144.0	150.0	N EN
42"	90"	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"	138"	86.0	114.0	143.0	97.0	129.0	150.0	56.0	75.0	93.0	92.0	123.0	150.0	A A O O P A
48"		115.0	150.0	150.0	130.0	150.0	150.0	75.0	100.0	125.0	124.0	150.0	150.0	48"		75.0	100.0	125.0	85.0	113.0	141.0	49.0	65.0	82.0	81.0	108.0	135.0	0 4 8
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	50		72.0	96.0	120.0	81.0	109.0	136.0	47.0	63.0	78.0	78.0	104.0	129.0	
60"		92.0	122.0	150.0	104.0	139.0		60.0	80.0	100.0	99.0	132.0	150.0	30"		115.0	150.0	150.0	130.0	150.0	150.0 150.0	75.0 63.0	100.0 84.0	125.0 104.0	124.0 103.0	150.0 138.0	150.0 150.0	0550
30" 36"		150.0 144.0	150.0	150.0 150.0	150.0 150.0	150.0	150.0	113.0 94.0	150.0 125.0	150.0	150.0 150.0	150.0 150.0	150.0 150.0	36" 42"	144"	96.0 82.0	128.0	150.0 137.0	108.0 93.0	124.0	150.0	54.0	72.0	90.0	89.0	118.0	148.0	NDU O
36" 42"		123.0	150.0 150.0	150.0	139.0	150.0	150.0	81.0	125.0	134.0	133.0	150.0	150.0	42 48"		72.0	96.0	120.0	81.0	108.0	135.0	47.0	63.0	78.0	78.0	103.0	129.0	PRODU DRIVE, DA 331.
42 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			/ 2.0	00.0	120.0	01.0	10010	1 10010	1	00.0		1 / 010			
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															RES &
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		106.0	142.0	150.0	150.0	150.0	150.0															AL-FAR ENGINEERS 9360 SUNSE MIAMI, FLOF
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															ζũὄΣ
42"	102"	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															(L.M.I.)
54"		90.0	120.0	150.0	102.0	136.0	150.0	59.0	79.0	98.0	97.0	130.0	150.0		_INTERMEI \\ \ \ \ \ HORIZON	DIATE												
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							-	mpo -				~~~			STEM
30" 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	l		1		4	-				7 FOR [SYS
36"		128.0	150.0 146.0	150.0 150.0	144.0	150.0	150.0	84.0	111.0 95.0	139.0	138.0 118.0	150.0 150.0	150.0 150.0	===			=== 5		A3 = B3 =	= (3) AM = (3) AM	NCHORS	TYPE 'A	A' AT EAG B' AT EAG	CH SIDE	OF JAM	B AND N		
42" 48"	108"	109.0 96.0	128.0	150.0	108.0	144.0	150.0	63.0	84.0	104.0	103.0	138.0	150.0						C3 =	= (3) AM	VCHORS	TYPE 'C	C'AT EA	CH SIDE	OF JAM	B AND N	JULLION	
40 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			-1110.			D3 =	= (3) AN	NCHORS	TYPE 'C	D'AT EA	CH SIDE	OF JAM	B AND N	NULLION	WINDOW VS, LL STREE
60"		77.0	102.0	128.0	87.0	116.0		50.0	67.0	84.0	83.0	110.0	138.0		4000		FRAME		A4 =				A AT EA					VS, STF
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					-	B4 = C4 =				B'AT EA C'AT EA					7000 ALUM WINDOW 1 WINDOWS, LLC N.W. 49 STREET
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	L	1	VA/ 7		<u>.</u>	D4 =				O' AT EA					ALUM JDOV . 49
42"	114"	104.0	138.0	150.0	117.0	150.0	150.0	68.0	90.0	113.0	112.0	149.0	150.0	W	1 W2	W3			A5 =	= (5) AN	NCHORS	TYPE 'A	A' AT EAG	CH SIDE	OF JAM	B AND N	ULLION	7000 N.W
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						B5 =	< - / · · · ·			B' AT EA					N .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		WIDTH (W) = FRAME JAMB	= W1			C5 = D5 =				C'ATEA D'ATEA					SERIES E.S. 3550
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		TRAME UAND					. ,								S H N
30"		138.0	150.0	150.0	150.0	150.0		90.0	120.0	150.0	149.0	150.0	150.0	١	WIDTH (W) =		+ W3	-	ALL	OTHER ,	ANCHOR	S TO BE	E SPACE) AS PE	R ELEVA	TION.		
36"		115.0	150.0	150.0	130.0	150.0		75.0	100.0	125.0	124.0	150.0	150.0		RAME MULLIO		2											
42"	120"	98.0	131.0	150.0 144.0	98.0	149.0 130.0	150.0	64.0 56.0	86.0 75.0	107.0 94.0	106.0 93.0	142.0 124.0	150.0 150.0															COMMENTS 14 FBC
48" 54"		86.0 77.0	115.0 102.0	128.0	87.0	116.0	144.0	50.0	67.0	84.0	83.0	110.0	138.0															OMMEN 4 FBC SHEF
54 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															201 201 201
30"		131.0	150.0	150.0	149.0	+		86.0	115.0	143.0	142.0	150.0	150.0															description REV. PER RI UPDATED TO
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															V. PE
42"	126"	94.0	125.0	150.0	106.0	141.0	150.0	61.0	82.0	102.0	101.0	135.0	150.0								•							RE de
48"	120	82.0	109.0	137.0	93.0	124.0	150.0	54.0	72.0	90.0	89.0	118.0	148.0															py
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															ns: 0.13 3.15
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															revision no date A 06.19.1 B 04.03.1
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"	132"	89.0	119.0	149.0	101.0	135.0	150.0	59.0	78.0	98.0 85.0	97.0 85.0	129.0	150.0								DUCT	REVIS	ED		1111		1	500
48" 52"		78.0 72.0	104.0 96.0	130.0 120.0	89.0 82.0	118.0	148.0	51.0 47.0	68.0 63.0	85.0 79.0	85.0 78.0	113.0	141.0							as co	mplying	with th	ne Florid	a /.	IT' AL	FAR		1 13
JZ	<u> </u>	12.0	30.0	120.0	1 02.0	109.0	100.0	L T/.V	00.0	73.0	, 0.0	107.0	1.00.0							Buildi NOA-I	ing Ćodo No.		0212.0	2	JA	CENSE		04-*24- 3/8" =
																							25/202		° • •	o. 81223/		
																				By:	. 4	el Per	0			N. UIKES		date: scale: dr. bv:
																				-	/		Control	ED		×	<u>R</u>	de la de
																				maiil	Paue	1 Suuc (55,11101	Carrier C).). s	TATEOF		drawing
												NOT	с.									١٨	N 28	2025		NAL E	C. S. I	w08_
														ION BETWE								JA	117 L U	LULIY	(1, SIC	DMAL E		sheet 5

DO	OR MULLION	DESIGN LOAI	D CAPACITY-	PSF
SIDELITE	FRAME	MULL 'MD1'	MULL 'MD2'	MULL 'MD3'
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	144	56.8	78.5	90.0
48		53.9	74.8	90.0



DOC		DESIGN LOAI		DSF]	
SIDELITE	FRAME			MULL 'MD3'		TION A ENT A (13538) (1353
WIDTH	HEIGHT	EXT. (+)	EXT. (+)	EXT. (+)		080
INCHES	INCHES	INT. (-)	INT. (-)	INT. (-)		
30		90.0	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
36		90.0	90.0	90.0		AL-FAROOQ CORPORATIC ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 (C.A.N. 35 TEL. (305) 264-8100 FAX. (305) 262-61
42	120	90.0	90.0	90.0		55) 2
48		90.0	90.0	90.0		(30 ⁻² , 50 ELO
54		89.6	90.0	90.0		A D S S
57		87.5	90.0	90.0		
30		90.0	90.0	90.0		
36 42		90.0 86.4	90.0 90.0	90.0 90.0		
48	126	81.7	90.0	90.0		AL-FAROOQ CORPOF ENGINEERS & PRODUCT DEVELC 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 ((TEL. (305) 264-8100 FAX. (30
40 54		77.4	90.0	90.0		ORII 0 64-1
30		81.8	90.0	90.0		
36		77.0	90.0	90.0		
42	170	72.7	90.0	90.0		JL- NGI 11AN
48	132	68.8	90.0	90.0		
52		66.5	90.0	90.0		
30		69.4	90.0	90.0		()
36		65.4	90.0	90.0		SYSTEM (L.M.I.) 35) 638–5158
42	138	61.8	89.2	90.0		38- 38-
48		58.6	84.6	90.0		(STE
50	autor o associe posta di stati inv	57.7	83.1	90.0		
30		59.6	85.9	90.0		
36		56.2	81.1	90.0		DW WAI LLLC FET FAX.
42 48	144	53.2 50.5	76.7 72.9	90.0 90.0		WINDOW STREE 42 51 F/
40		50.5	72.9	90.0) ALUM WIN NDOWS, V. 49 ST 33142 638–5151
<u>JL. LAM.</u>	GLASS	MULLIO	<u>NS</u> (74		(BA)	SERIES 7000 ALUM WINDOW WALLE.S. WINDOWS, LLC3550 N.W. 49 STREETMIAMI, FL. 33142TEL. (305) 638–5151FAX. (3
GA						description REV. PER RER COMMENTS UPDATED TO 2014 FBC NO CHANCE THIS SHEET UPDATED TO 2017 FBC UPDATED TO 2017 FBC
MULI	'SDM' NOL			MULLION 'M		
ALUMIN STEEL TOTAL Ix ALUM +	UM	Ix IN ⁴ Sx 14.414 4.4 2.197 1.1 20.786	88 Al 72 ST T(LUMINUM TEEL DTAL ALUM + IX STL >	Ix IN^4 Sx IN^3 14.414 4.488 4.394 2.344 4.394 2.344 2.344	A 06.19.13 A 06.19.13 B 04.03.15 C 07.29.15 D 10.30.17 E 01.23.21
	PRODU	CT REVIS		111111	FAROURINE FARO	
	as compl Building NOA-No. Expiratio		<u>0212.02</u>		No. 81223	$\begin{array}{llllllllllllllllllllllllllllllllllll$
	as compl Building NOA-No. Expiratio By: Ma	Code 21- n Date: 07/ MUL 9 ade Produci	0212.02 25/2023 122 Control	EZ	No. 81228	date: chk. by drawing uor
	as compl Building NOA-No. Expiratio By: Ma	Code 21- n Date: 07/ MUL 9 ade Produci	0212.02 25/2023		No. 81228	date: scale: dr. by: chk. by

LAMINATED GLASS MULLIONS





Ix	IN ⁴	Sx	IN^3
15	.385	4.	546

$\overline{7}$	8	
	-	
	<	
 <u>1</u> 20		

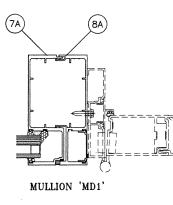
MULLION 'MD2'

	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	

7	8	
	6	
-		

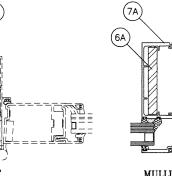
MULLION 'MD3'

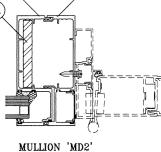
	Ix IN^4	Sx IN^3
ALUMINUM	15.385	4.546
STEEL	7.594	3.375
TOTAL Ix ALUM + Ix STL X 2.9	37.407	



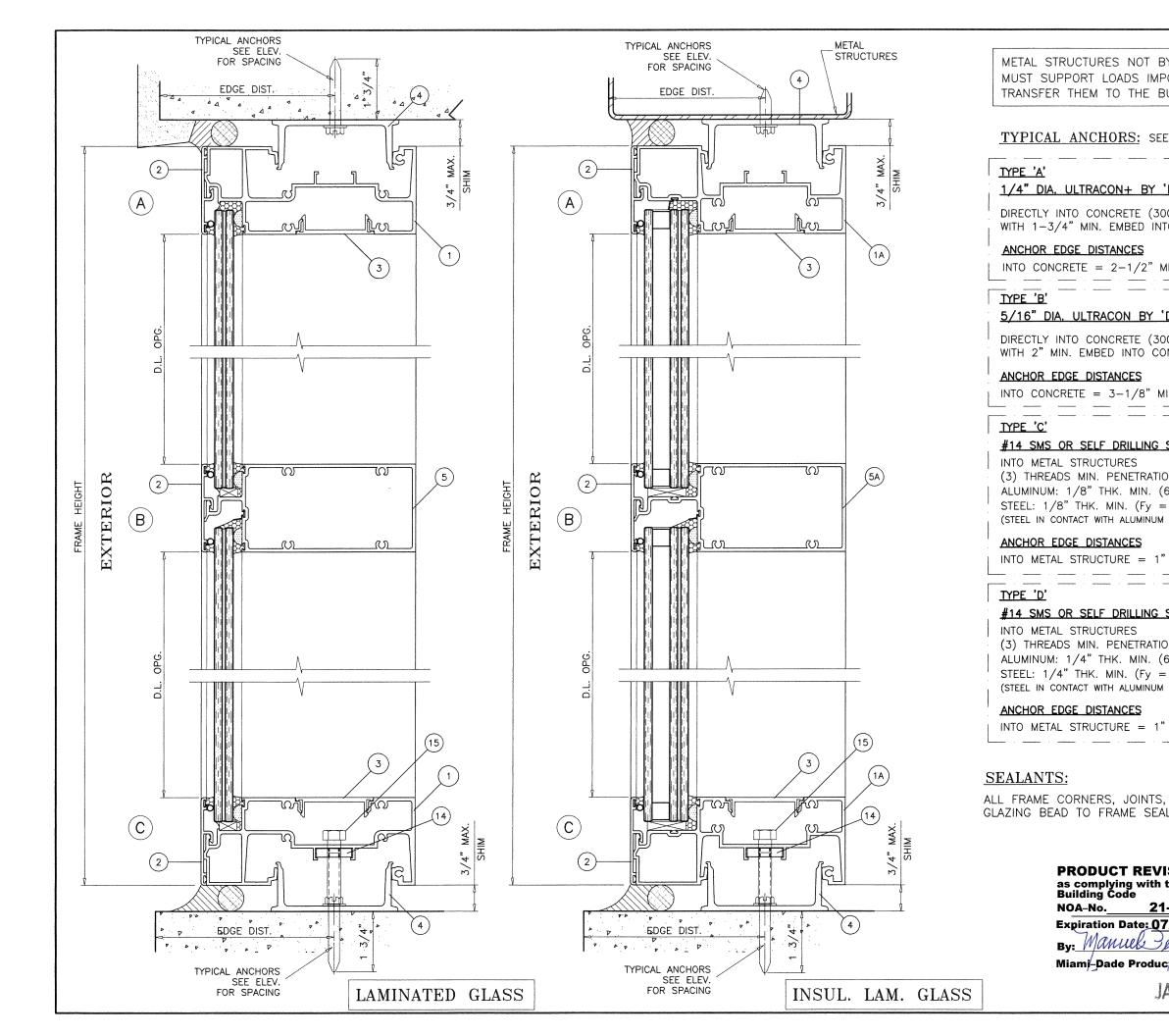
Ix IN^4	Sx IN^3
14.414	4.488

INSU

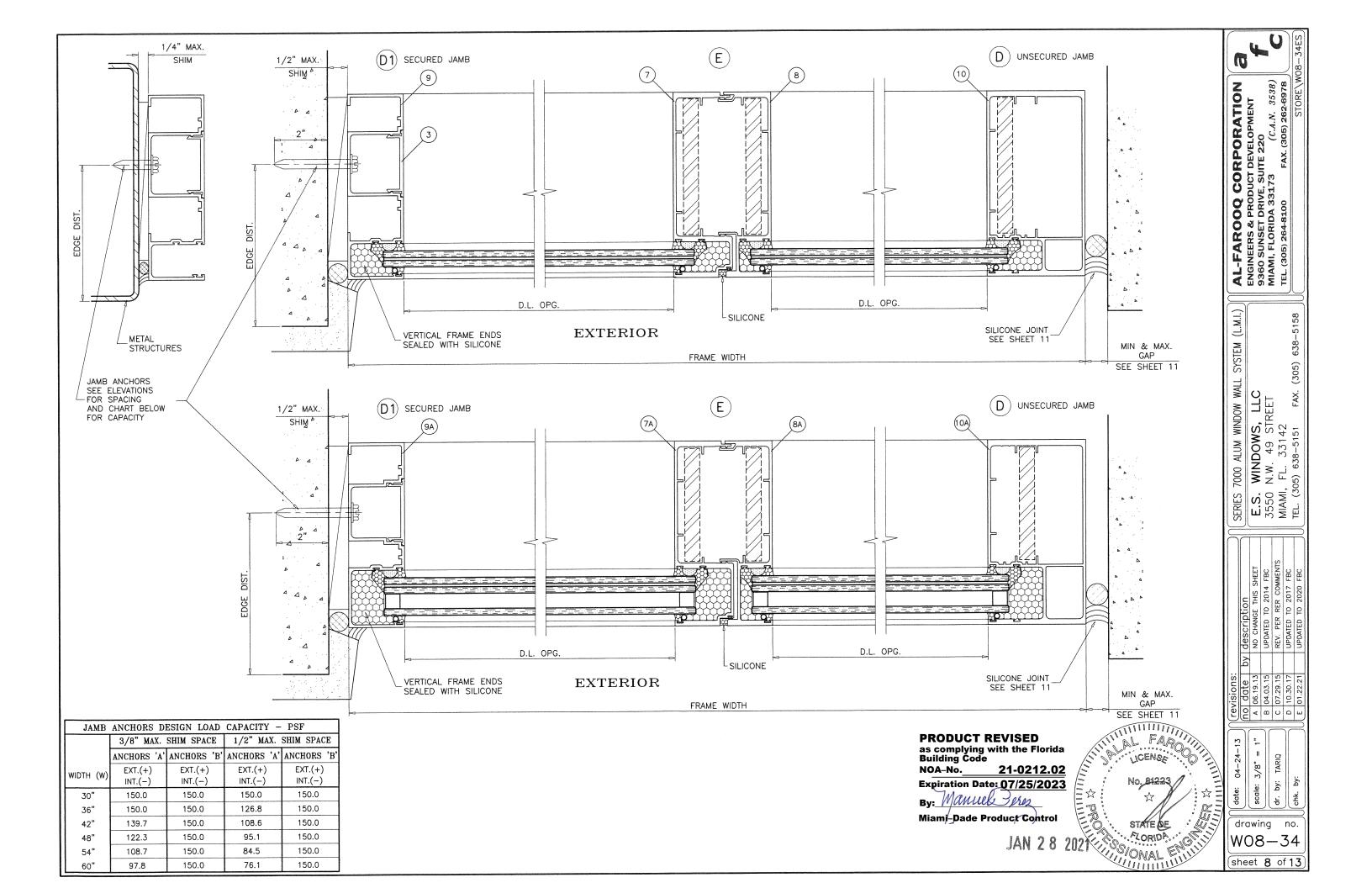


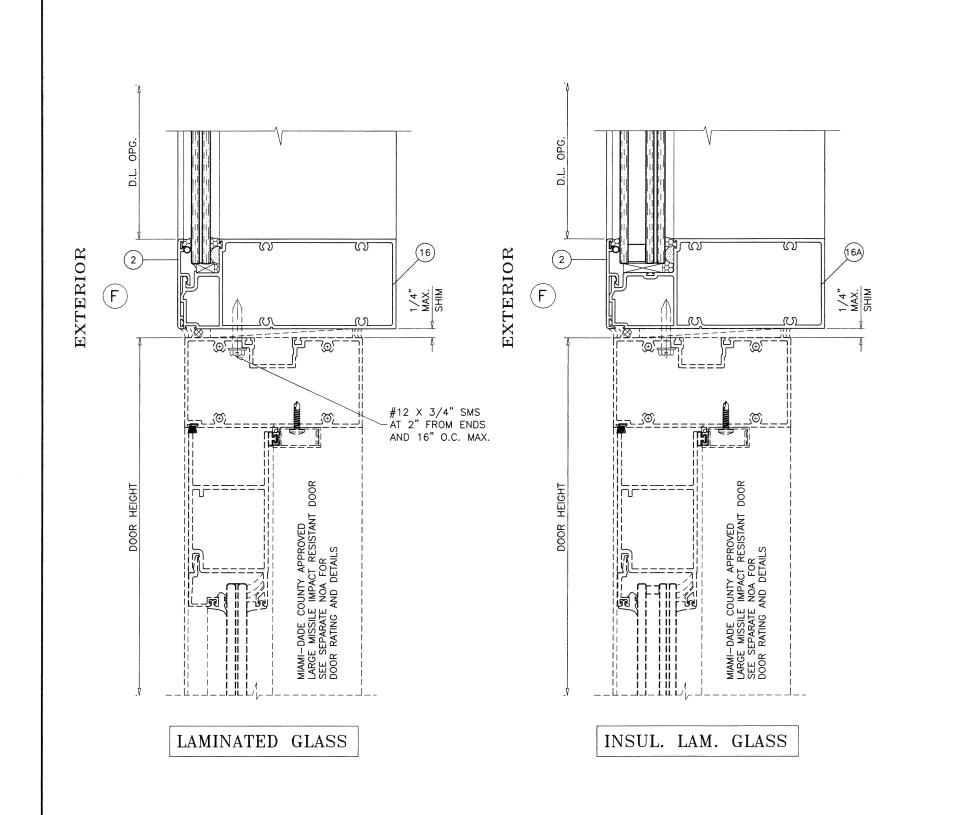


DOC	R MULLION	DESIGN LOAI) CAPACITY-	PSF		TION a lent b v. 3538) c. 62-6978 STORE\W08-34ES
SIDELITE	FRAME	MULL 'MD1'	MULL 'MD2	MULL 'MD3'		0
WIDTH INCHES	HEIGHT INCHES	EXT. (+) INT. (-)	EXT. (+) INT. (–)	EXT. (+) INT. (-)		
30		90.0	90.0	90.0		538 976
36		90.0	90.0	90.0		FI EN1 52-6 520-6
42	120	90.0	90.0	90.0		RATION OPMENT 0 (C.A.N. 3538) 05) 262-6978 STORE/V
48	120	90.0	90.0	90.0		30E (C. 50 H
54		89.6	90.0	90.0		AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 (C.A.M. 3538) TEL. (305) 264-8100 FAX. (305) 262-6978 TEL. (305) 264-8100 FAX. (305) 262-6978
57		87.5	90.0	90.0		
30		90.0	90.0	90.0		AL-FAROOQ CO ENGINEERS & PRODUCT 9360 SUNSET DRIVE, SI MIAMI, FLORIDA 33173 TEL. (305) 264-8100
36 42		90.0 86.4	90.0 90.0	90.0 90.0		
42	126	81.7	90.0	90.0		O H D A H
54		77.4	90.0	90.0		SET SET
30		81.8	90.0	90.0		AL-FAROOQ ENGINEERS & PRO 9360 SUNSET DRI/ MIAMI, FLORIDA 33 TEL. (305) 264-8100
36		77.0	90.0	90.0		MI, S N S
42	132	72.7	90.0	90.0		
48		68.8	90.0	90.0		
52		66.5	90.0	90.0		
30 36		69.4 65.4	90.0	90.0 90.0		(L.M.I.) -5158
36 42		61.8	89.2	90.0		
48	138	58.6	84.6	90.0		SYSTEM 35) 638
50		57.7	83.1	90.0		(305) (305)
30		59.6	85.9	90.0		м М
36		56.2	81.1	90.0		M WAI LLC FAX.
42	144	53.2	76.7	90.0		WINDOW STREE 42 51 F/
48		50.5	72.9	90.0		5 12 STF.
L. LAM.	GLASS	MULLIO	<u>NS</u> (7/	Q	(BA)	SERIES 7000 ALUM WINDOW WALL E.S. WINDOWS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142 TEL. (305) 638-5151
6A						description REV. PER RER COMMENTS UPDATED TO 2014 FBC NO CHANGE THIS SHEET UPDATED TO 2017 FBC UPDATED TO 2017 FBC
MULL	'SDM' NOL	[x in^4 Sx	N^7	MULLION 'M	ID3	хq
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 + Ix STL >	14.414 4.488 4.394 2.344 27.158	no date A 06.19.13 B 04.03.15 C 07.29.15 D 10.30.17
	as compl Building NOA-No. Expiratio By:		ne Florida <u>0212.02</u> 25/2023		No. 81225	buiwapp buiwapp buiwapp date: 04-24-13 scale: 3/8" = 1" dr. by: TARIO chk. by:
			N 2 8 2	021	VONAL EN IL	W08-34
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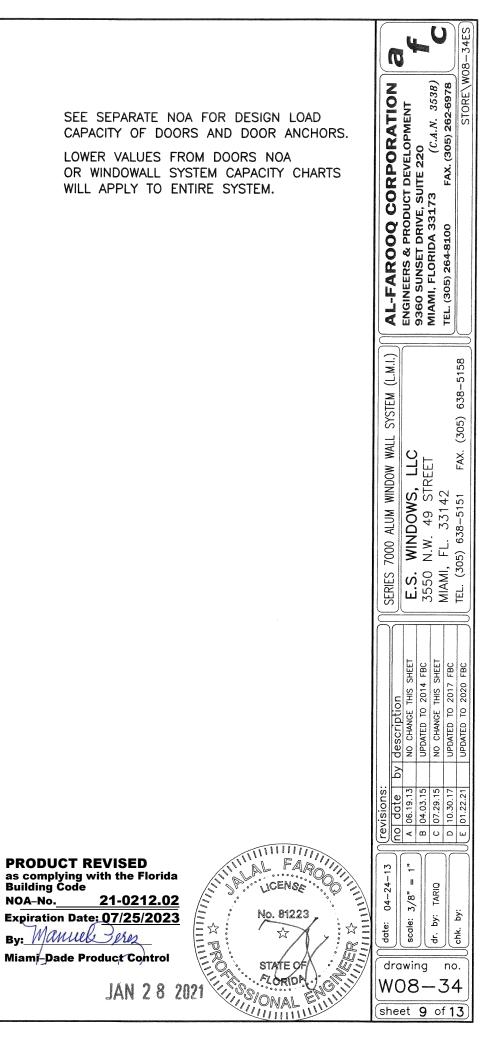


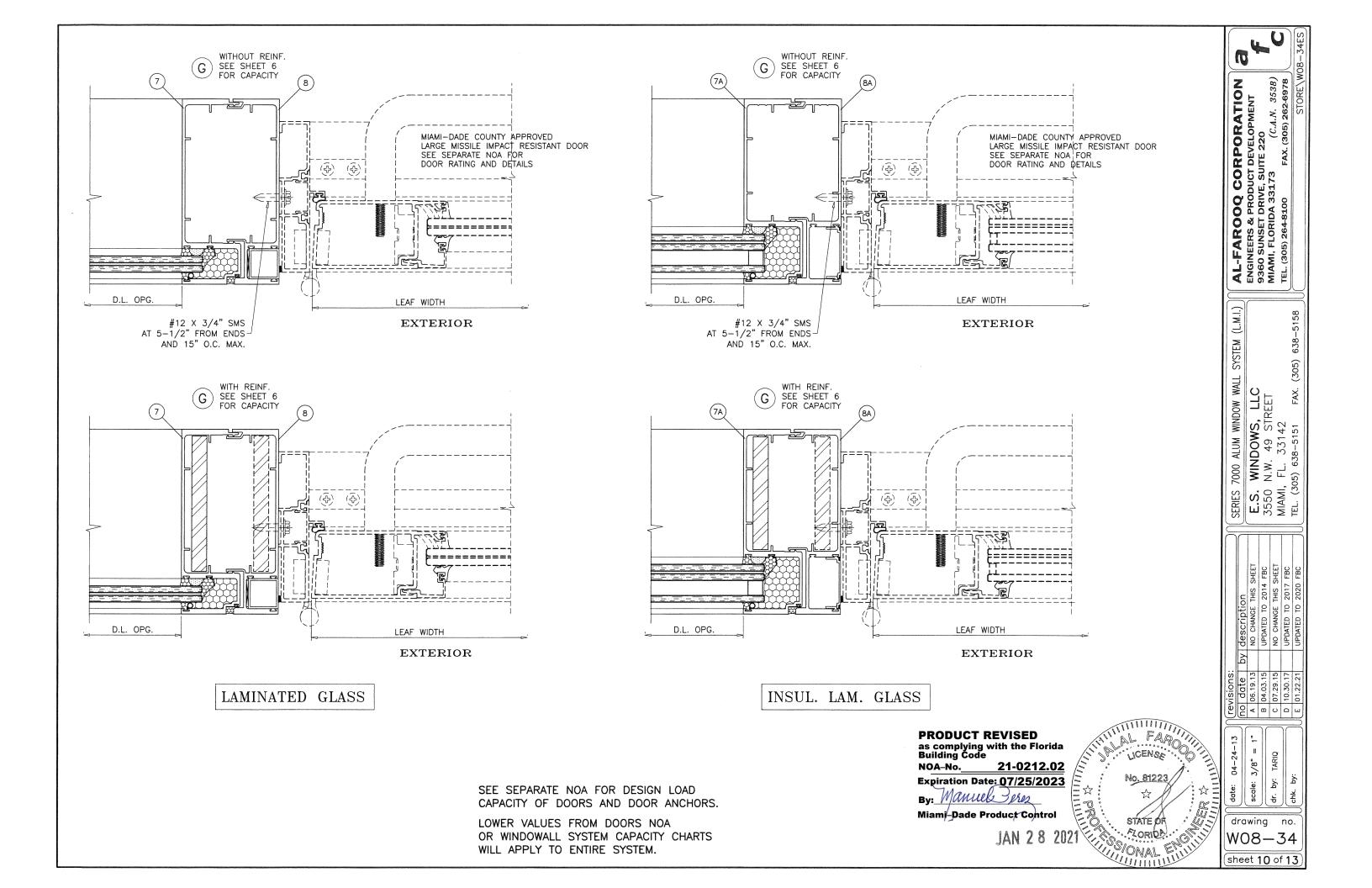
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6063–T5 MIN.) 36 KSI MIN.)	WINE STF 51 51
TO BE PLATED OR PAINTED)	LLUM 00W 331 331 3-51
	S 7000 ALUM WI NINDOWS O N.W. 49 S MI, FL. 33142 (305) 638-5151
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	SERIES 7000 ALUM WIN E.S. WINDOWS, 3550 N.W. 49 ST MIAMI, FL. 33142 TEL. (305) 638-5151
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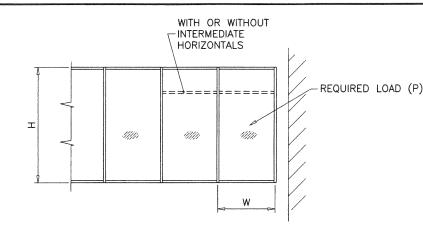


NOA-No.





NOMIN	DEFLECT	1	GLASS	INSUL. LA	M. GLAS
WIDTH (W)	FRAME HEIGHT		Υ·····	UNREINF.	REINF
30"		.079	.045	.081	.056
36"		.095	.054	.097	.067
42"		.110	.063	.114	.078
48"	96"	.126	.072	.130	.090
54"		.142	.081	.146	.101
60"		.158	.090	.162	.112
30"		.100	.057	.103	.071
36"		.121	.069	.124	.086
42"		.141	.080	.145	.100
48"	102"	.161	.092	.165	.114
54"		.181	.103	.186	.128
60"		.201	.115	.207	.143
30"		.126	.072	.130	.090
36"		.120	.086	.156	.108
42"		.177	.101	.182	.126
48"	108"	.202	.115	.208	.144
,e 54"		.227	.130	.234	.161
60"		.253	.144	.260	.179
30"		.157	.089	.161	.111
36"		.188	.107	.194	.134
42"		.220	.125	.226	.156
48"	114"	.251	.143	.258	.178
54"		.282	.161	.290	.200
60"		.314	.179	.323	.223
30"		.192	.110	.198	.137
36"		.231	.132	.238	.164
42"	120"	.269	.154	.277	.191
48"	120	.308	.176	.317	.219
57"		.365	.198	.376	.260
30"		.234	.133	.241	.166
36"		.281	.160	.289	.199
42"	126"	.328	.187	.337	.233
48"		.374	.213	.385	.266
54"		.421	.240	.433	.299
30"		.282	.161	.290	.200
36"		.338	.193	.348	.240
42"	132"	.395	.225	.406	.280
48"		.451	.257	.464	.320
52"		.488	.278	.503	.347
30"		.337	.192	.346	.239
36"		.404	.230	.416	.287
42"	138"	.471	.269	.485	.335
48"		.539	.307	.554	.383
30"		.399	.228	.411	.284
36"		.479	.273	.493	.340
42"	144"	.559	.319	.575	.397
48"		.639	.364	.657	.454



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

- 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.

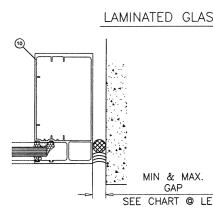
GAP/DEI	FL. CHART		
GAP. IN.	MAX. DEFL.		
.250"	.433"		
.375"	.649"		
.500"	.800"		
.625"	.800"		
.750"	.800"		
1.000"	.800"		

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

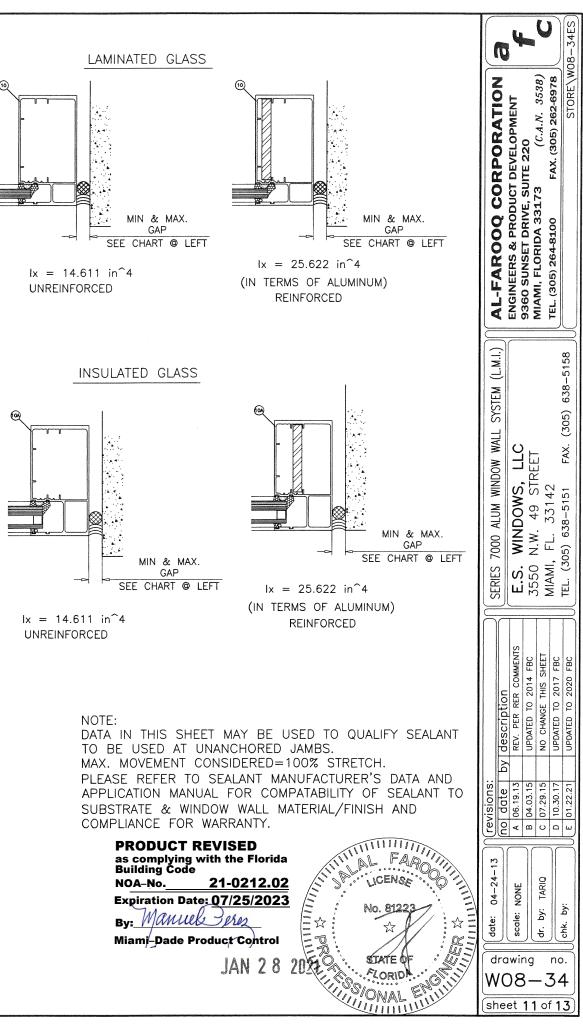
EXAMPLE: FOR A GAP OF 1/2" MAX. DEFLECTION ALLOWED = .800" FOR 100% STRETCH SEALANT

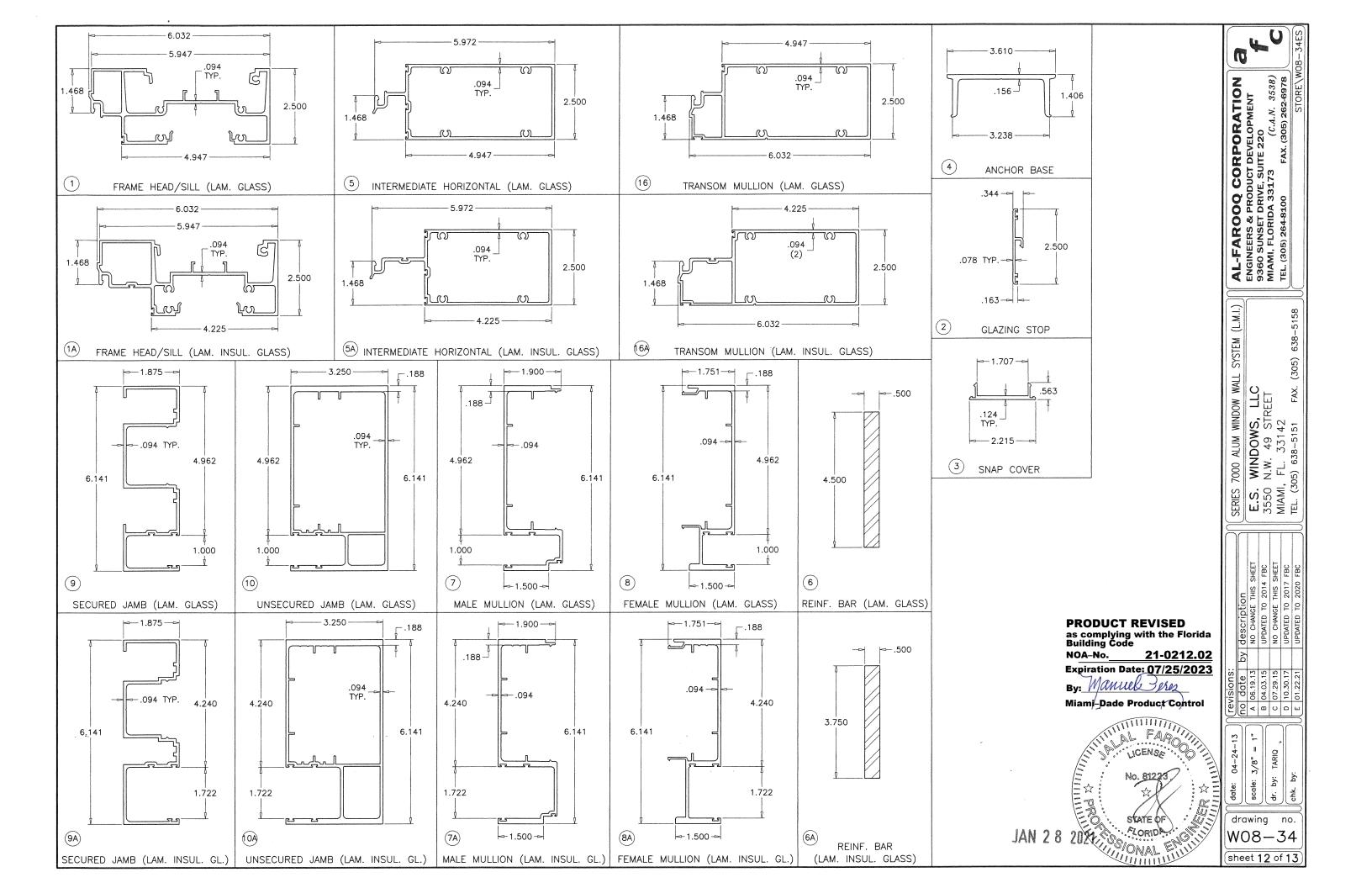
ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.

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.



UNREINFORCED





EM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS	
1	ES7001B	AS REQD.	FRAME HEAD/SILL (LAM. GLASS)	6005-T5	-	
1A	ES7021B	AS REQD.	FRAME HEAD/SILL (INSUL. LAM. GLASS)	6005-T5	-	
2	ES7006	AS REQD.	GLAZING STOP	6063-T6	-	ION NT 3538) 2-6978
3	ES7003	AS REQD.	SNAP COVER	6063-T5	-	RPORATION DEVELOPMENT ITE 220 (C.A.N. 3538) FAX. (305) 262-6978
4	ES7004	AS REQD.	ANCHOR BASE, 9" LONG	6005-T5	-	MET MET N. 262
5	ES7005	AS REQD.	INTERMEDIATE HORIZONTAL (LAM. GLASS)	6005-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) 262-66
δA	ES7022	AS REQD.	INTERMEDIATE HORIZONTAL (INSUL. LAM. GLASS)	6005-T5	-	(30) 550 O
6	-	AS REQD.	REINFORCING BAR (LAM. GLASS)	STEEL	A36, Fu MIN. = 58 KSI	AX.
6A	-	AS REQD.	REINFORCING BAR (INSUL. LAM. GLASS)	STEEL	A36, Fu MIN. = 58 KSI	
7	ES7007	AS REQD.	MALE MULLION (LAM. GLASS)	6005-T5	-	00 00 173
'A	ES7023	AS REQD.	MALE MULLION (INSUL. LAM. GLASS)	6005-T5	-	
3	ES7008	AS REQD.	FEMALE MULLION (LAM. GLASS)	6005-T5	-	AL-FAROOQ ENGINEERS & PRC 9360 SUNSET DRI MIAMI, FLORIDA 3 TEL. (305) 264-8100
A	ES7024	AS REQD.	FEMALE MULLION (INSUL. LAM. GLASS)	6005-T5	-	0 % S & 0
9	ES7009	AS REQD.	SECURED JAMB (LAM. GLASS)	6063-T6	_	
A	ES7025	AS REQD.	SECURED JAMB (INSUL. LAM. GLASS)	6063-T6	-	AI, I
0	ES-7010A	AS REQD.	UNSECURED JAMB (LAM. GLASS)	6005-T5	_	AL-I ENGIN 9360 MIAM TEL. (3
 DA	ES-7026A	AS REQD.	UNSECURED JAMB (INSUL. LAM. GLASS)	6005-T5	_	
1	ES7011	AS REQD.	BUMPON	POLYURETHANE		
2	ES7012	AS REQD.	EXTERIOR GLASS SEAL	SANTOPRENE	-	
2 3	#12 X 1"	AS REQD. AS REQD.	FRAME ASSEMBLY SCREWS		PH SMS	(L.M.I.)
5 5A	#12 X 1 #14 X 1"	AS REQD. AS REQD.	FRAME ASSEMBLY SCREWS	_	PH SMS	
9A 4	<i>#</i> ! + ^ !	AS REQD. AS REQD.	1/4" X 1" BAR WITH 3/8" THREADED HOLE	ALUMINUM		
	- 3/8" BOLT	AS REQD. AS REQD.	LEVELING SCREW	ST/ST	_	
5		AS REQD. AS REQD.	TRANSOM MULLION (LAM. GLASS)	6005-T5	-	
6			TRANSOM MULLION (INSUL. LAM. GLASS)	6005-T5	_	ET C
5A 7	-	AS REQD. 2/ LITE	SETTING BLOCK	EPDM	DUROMETER 80±5 SHORE A	KEI CON
						700 N.N.
						E.S. 3550 MIAMI,
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