

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

### Lawson Industries, Inc. 8501 NW 90 Street Medley, FL 33166

# 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:** Clipped, Extruded Aluminum Tube Mullion w/ and w/o Steel Reinforcement – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. LAW-ML-1001, titled "Aluminum Tube Mullions" sheets 1 through 10 of 10, dated 04/27/10, with revision **F** dated 08/10/20, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E., bearing the Miami-Dade County Product Control Renewal 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 **renews NOA No. 20-0814.10** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

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



NOA No. 23-0404. 01 Expiration Date: May 30, 2028 Approval Date: May 11, 2023 Page 1

### 1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under NOA's No. 02-0501.05 and 95-1212.09)
- Drawing No. LAW-ML-1001, titled "Aluminum Tube Mullions", sheets 1 through 10 of 10, dated 04/27/10, with revision F dated 08/10/20, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E. (Submitted under NOA No. 20-0814.10)

# **B. TESTS**

4.

 Test report on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94 along with marked-up drawings and installation diagram of 108-1/2" span aluminum 2" x 4"tube mullion with no reinforcement, prepared by Hurricane Engineering & Testing, Inc., Test Report No. HETI-18-6036, dated 05/04/18, signed and sealed by Rafael E. Droz-Seda, P.E.

# (Submitted under NOA No. 18-0529.03)

**2.** Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94.

2) Cyclic Wind Pressure Loading per FBC, TAS 203-94 along with marked-up drawings and installation diagram of 108-1/2" span aluminum 2" x 4"tube mullions with no reinforcement, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-18-6037**, dated 05/04/18, signed and sealed by Rafael E. Droz-Seda, P.E.

# (Submitted under NOA No. 18-0529.03)

3. Test report on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94 along with marked-up drawings and installation diagram of 120" horizontal span and 74" vertical span, 2" x 6" aluminum tube mullions with C4 x 4.5 steel channel reinforcement, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-18-6038**, dated 05/22/18, signed and sealed by Rafael E. Droz-Seda, P.E. *(Submitted under NOA No. 18-0529.03)* 

Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94.

2) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of 120" horizontal span and 74" vertical span, 2" x 6" aluminum tube mullions with C4 x 4.5 steel channel reinforcement, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-18-6040**, dated 05/22/18, signed and sealed by Rafael E. Droz-Seda, P.E. *(Submitted under NOA No. 18-0529.03)* 

Manue Manuel Perez, P.E

Manuel Perez, P.E. Product Control Examiner NOA No. 23-0404. 01 Expiration Date: May 30, 2028 Approval Date: May 11, 2023

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

### **B. TESTS** (CONTINUED)

- 5. Tensile Test report on 0.10" thick wall aluminum tube mullion, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-02-T071**, dated 09/16/02, tested per **ASTM E8**, signed and sealed by Rafael E. Droz-Seda, P.E. *(Submitted under NOA No. 02-0501.05)*
- 6. Test report on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94 along with marked-up drawings and installation diagram of 120" span aluminum tube mullions with C4 x 4.5 steel channel reinforcement, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-02-1714**, dated 08/27/02, signed and sealed by Rafael E. Droz-Seda, P.E.

# (Submitted under NOA No. 02-0501.05)

7. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94.

2) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of 120" span aluminum tube mullion with C4 x 4.5 steel channel reinforcement, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-02-1716**, dated 8/27/02, signed and sealed by Rafael E. Droz-Seda, P.E. *(Submitted under NOA No. 02-0501.05)* 

- 8. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94.
   2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Hurricane Engineering & Testing, Inc., Test Report No.
   HETI-02-1718, dated 8/27/02, signed and sealed by Rafael E. Droz-Seda, P.E.
   (Submitted under NOA No. 02-0501.05)
- 9. Test report on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94 along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Hurricane Engineering & Testing, Inc., Test Report No. HETI-02-1717, dated 08/27/02, signed and sealed by Rafael E. Droz-Seda, P.E. (Submitted under NOA No. 02-0501.05)
- Test report on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94 along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-1376, dated 01/31/96, signed and sealed by Gilbert Diamond, P.E.

# (Submitted under NOA No. 95-1212.09)

11. Test report on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94 along with marked-up drawings and installation diagram of two aluminum horizontal sliding windows mulled at top with a 90" span mullion and a 45" high fixed window on top, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-1383, dated 02/13/96, signed and sealed by Gilbert Diamond, P.E. (Submitted under NOA No. 95-1212.09)

Manuel Perez, P.E. Product Control Examiner NOA No. 23-0404. 01 Expiration Date: May 30, 2028 Approval Date: May 11, 2023

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

### C. CALCULATIONS

 Anchor verification calculations and structural analysis, complying with FBC 6<sup>th</sup> Edition (2017), prepared by manufacturer, dated 05/24/18, signed and sealed by Thomas J. Sotos, P.E. (Submitted under NOA No. 18-0529.03)

### D. QUALITY ASSURANCE

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

# E. MATERIAL CERTIFICATIONS

1. None.

# F. STATEMENTS

- Statement letter of conformance, complying with FBC 7<sup>th</sup> Edition (2020), dated August 03, 2020, issued by manufacturer, signed and sealed by Thomas J. Sotos, P.E. (Submitted under NOA No. 20-0814.10)
- Laboratory compliance letter for Test Reports No.: FTL-3619, FTL-3620, FTL-3621, FTL-3622, FTL-3623, FTL-3624, FTL-3625, FTL-3626, FTL-3627, all dated 11/27/02, issued by Fenestration Testing Laboratory, Inc., and signed and sealed by Joseph C. Chan, P.E.

(Submitted under NOA No. 03-0128.06)

3. Laboratory compliance letter for Test Reports No. HETI-02-1714, HETI-02-1716, HETI-02-1717, HETI-02-1718, dated 8/27/02 and HETI-02-T071, dated 09/16/02, all issued by Hurricane Engineering & Testing, Inc., signed and sealed by Rafael E. Droz-Seda, P.E.

# (Submitted under NOA No. 02-0501.05)

Laboratory compliance letter for Test Reports No. FTL-1376, dated 01/31/96, and FTL-1383, dated 02/13/96, both issued by Fenestration Testing Laboratory, Inc., signed and sealed by Gilbert Diamond, P.E. (Submitted under NOA No. 02-0501.05)

# G. OTHERS

1. Notice of Acceptance No. **18-0529.03** issued to Lawson Industries, Inc. for their Clipped Extruded Aluminum Tube Mullion w/ and w/o Steel Reinforcement – L.M.I., approved on 06/14/18 and expiring on 05/30/23.

Nanu

Manuel Perez, P.E. Product Control Examiner NOA No. 23-0404. 01 Expiration Date: May 30, <del>20</del>28 Approval Date: May 11, 2023

#### 2. NEW EVIDENCE SUBMITTED

#### A. DRAWINGS

1. None.

# **B. TESTS**

- 1. None.
- C. CALCULATIONS
  - 1. None.

# D. QUALITY ASSURANCE

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

# E. MATERIAL CERTIFICATIONS

1. None.

# F. STATEMENTS

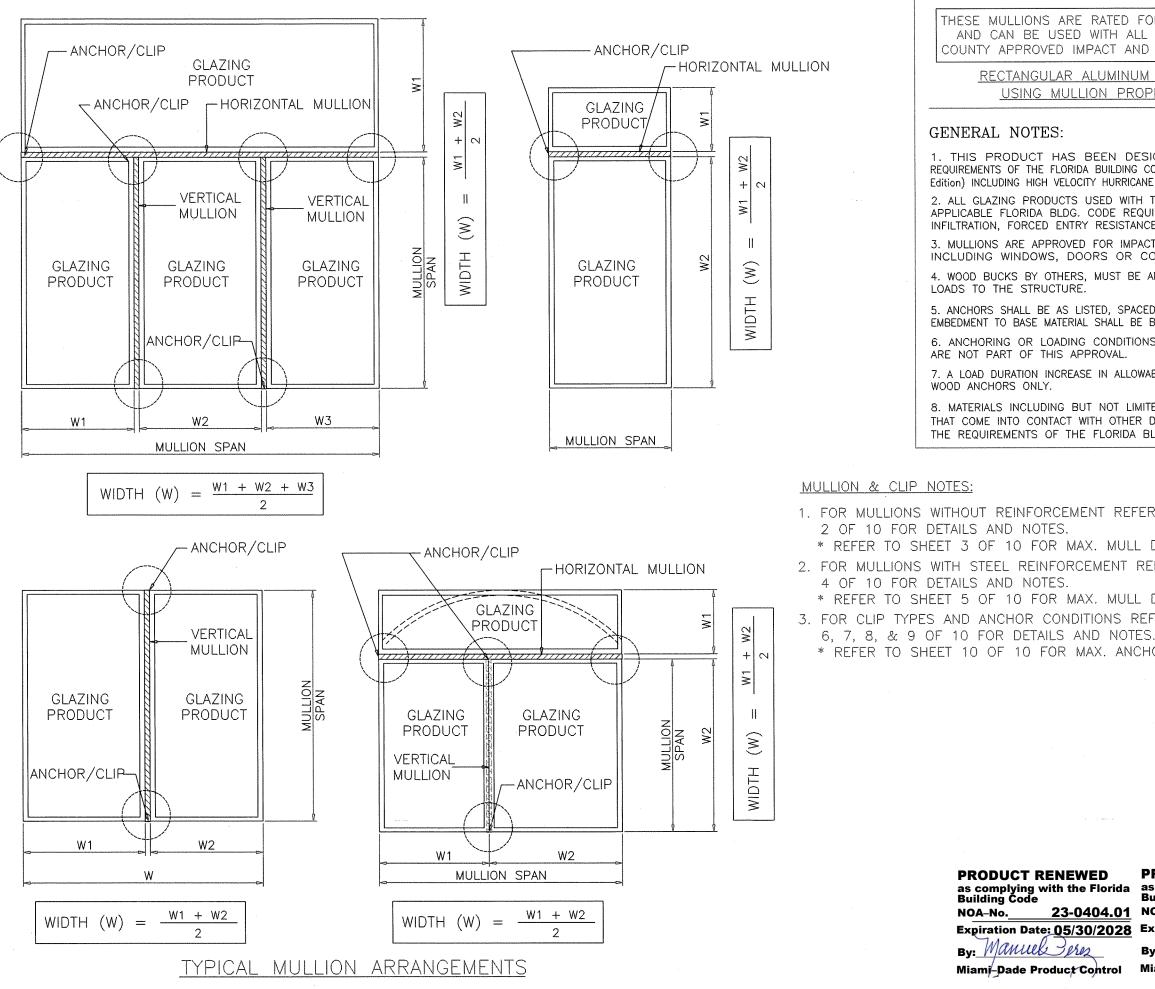
1. Statement letter of conformance, complying with FBC 7<sup>th</sup> Edition (2020), dated March 30, 2023, issued by manufacturer, signed and sealed by Thomas J. Sotos, P.E.

## G. OTHERS

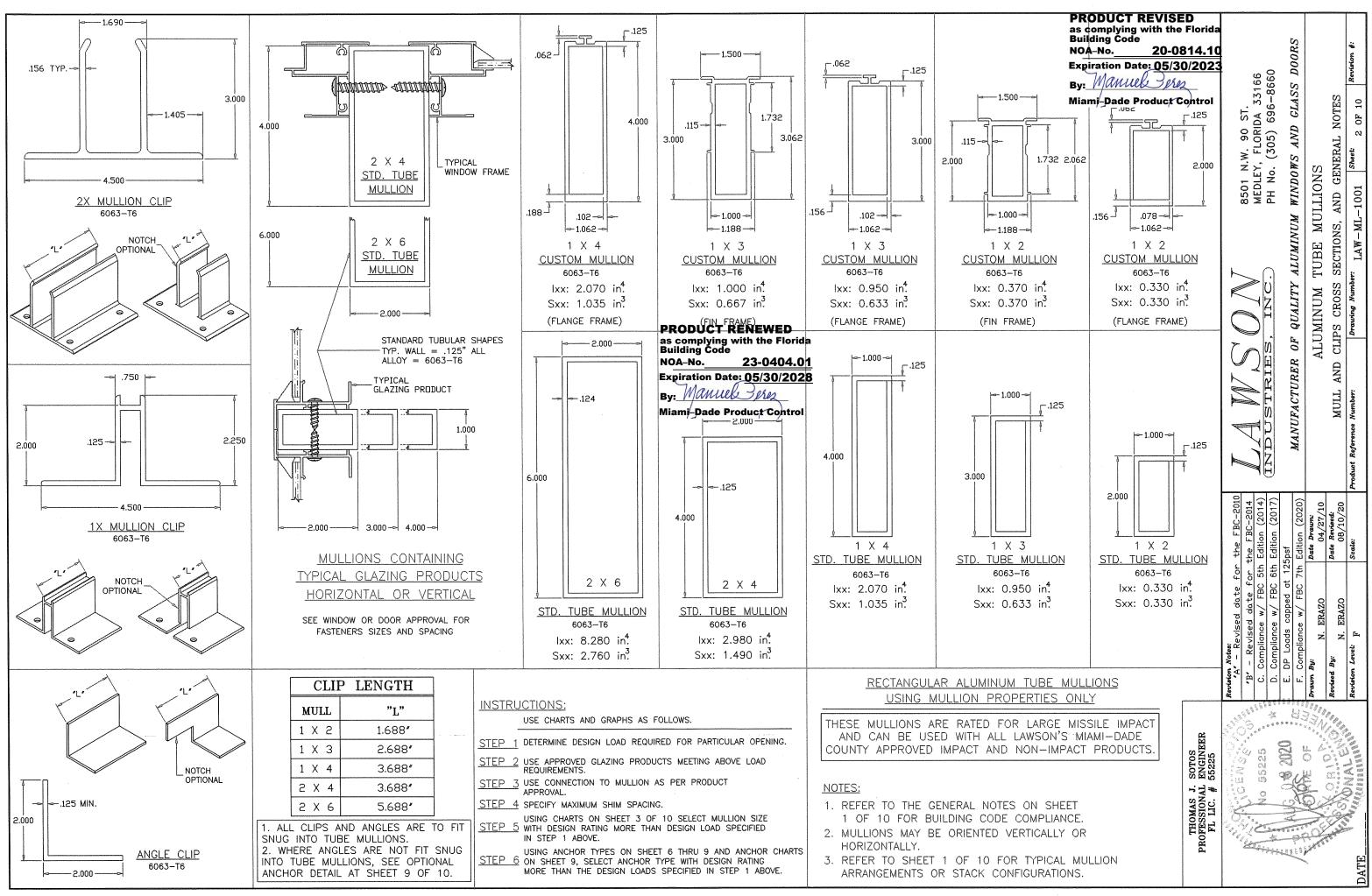
1. Notice of Acceptance No. 20-0814.10 issued to Lawson Industries, Inc. for their Clipped Extruded Aluminum Tube Mullion w/ and w/o Steel Reinforcement – L.M.I., approved on 10/15/20 and expiring on 05/30/23.

Manu Manuel Perez.

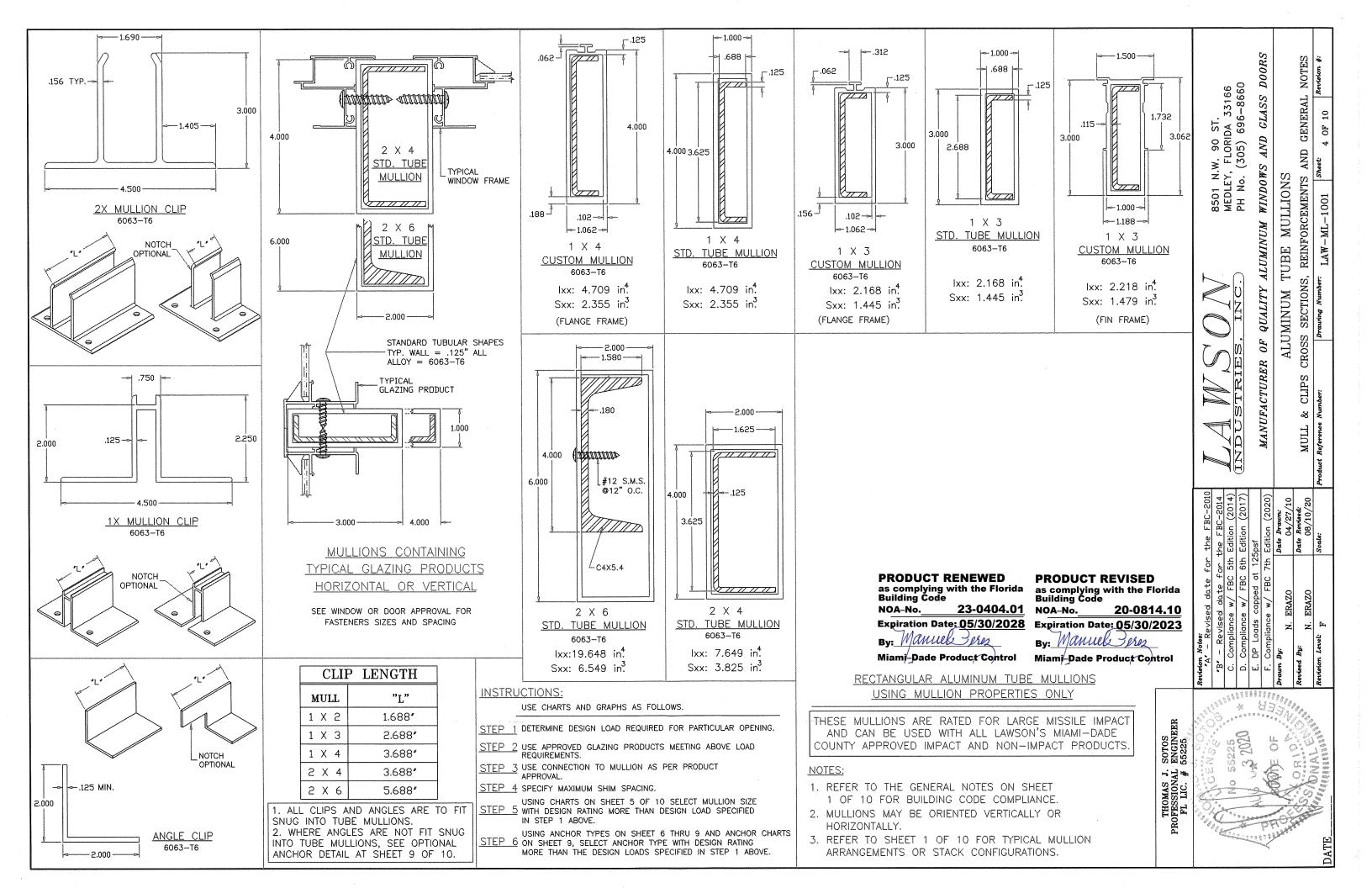
Product Control Examiner NOA No. 23-0404. 01 Expiration Date: May 30, 2028 Approval Date: May 11, 2023



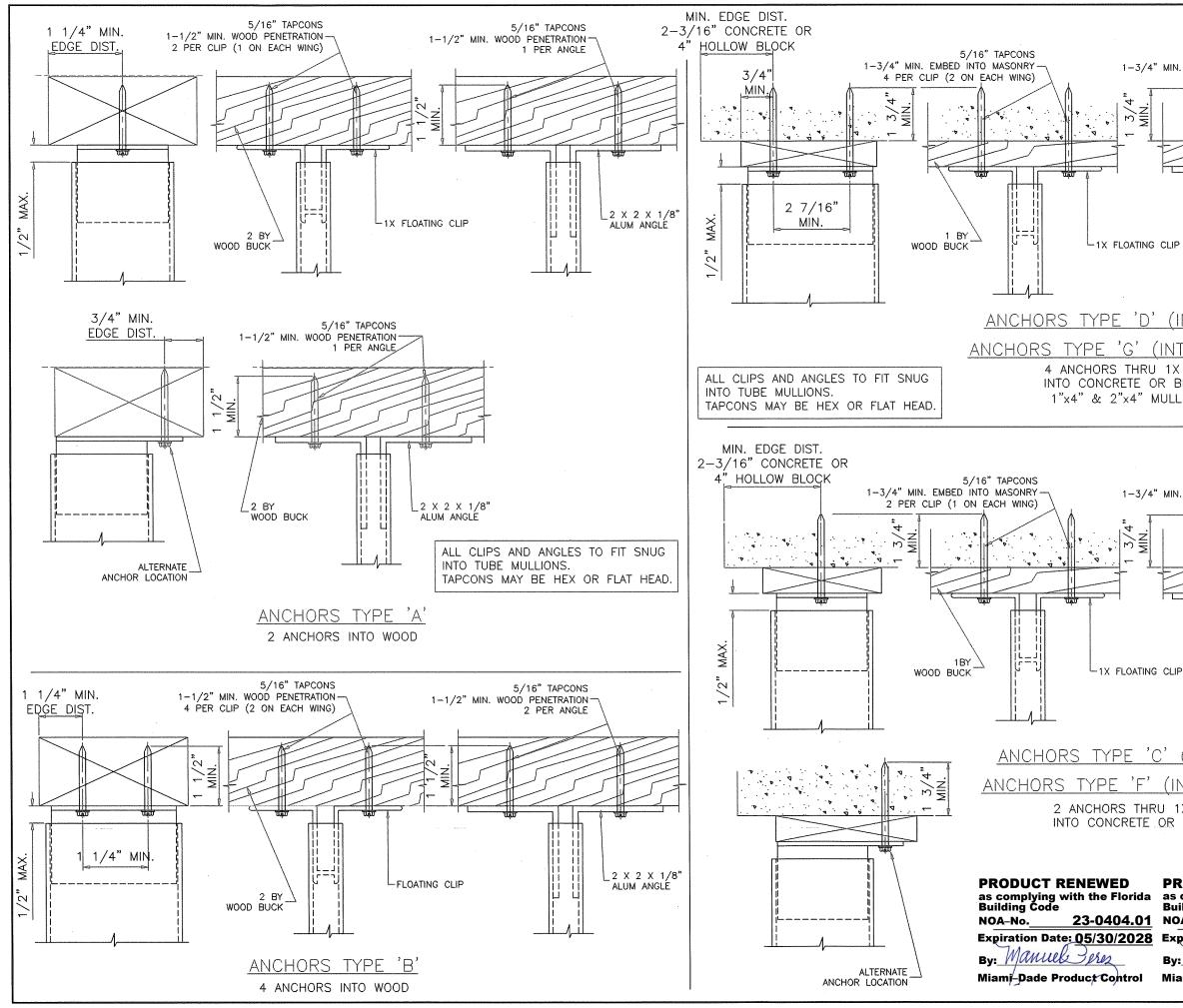
						******					
DR LARGE MISSILE IMPACT LAWSON'S MIAMI-DADE NON-IMPACT PRODUCTS. TUBE MULLIONS PERTIES ONLY			8501 N.W. 90 51.	FLORIDA 33166	(305) 696-8660		S AND GLASS DUOKS			NOTES	Sheet: 1 OF 10 Revision #:
CODE (2017-6th Edition & 2020-7th E ZONE (HVHZ). THESE MULLIONS MUST MEET THE JIREMENTS I.E: WIND LOAD, WATEF CE, SAFEGUARDS ETC. T AND NON-IMPACT APPLICATIONS OMBINATIONS MAY BE MULLEE ANCHORED PROPERLY TO TRANSFE	5, ).	i i i	N 1008	MEDLEY,	PH No.		ALUMINUM WINDOWS	TRF. MITLIONS		NTS, AND GENERAL NOTES	LAW-ML-1001
D AS SHOWN ON DETAILS, ANCHOR BEYOND WALL DRESSING OR STUCCO IS NOT SHOWN IN THESE DETAIL ABLE STRESS IS USED IN DESIGN O	). S						OF QUALITY A	ALTIMINI M TURE		TYPICAL MULL ARRANGEMENTS,	Drawing Number:
TED TO STEEL OR METAL SCREWS DISSIMILAR MATERIALS SHALL MEET BLDG. CODE — SECTION 2003.8.4	, Г	J LWL W					MANUFACTURER (	ΔT	FT 7	TYPICAL MUI	enoe Number:
R TO SHEET		<u>M</u>				,	MA				Product Reference Number
DESIGN PRESSURE CHARTS EFER TO SHEET DESIGN PRESSURE CHARTS FER TO SHEETS		the FBC-2010	the FBC-2014	Edition (2014)	6th Edition (2017)	5psf	7th Edition (2020)	Date Drawn:	04/21/10	Date Revised: 08/10/20	Scale:
5.	IARTS	Revision Notes: 'A' - Revised date for	"B" - Revised date for	C. Compliance w/ FBC 5th	D. Compliance w/ FBC 6th	E. DP Loads capped at 125psf	F. Compliance w/ FBC 7th	Drawn By:	N. EKAZU	Revised By: N. ERAZO	Revision Level: F
PRODUCT REVISED s complying with the Florida wilding Code IOA-No. 20-0814.10 xpiration Date: 05/30/2023 y: Manub Jun liami-Dade Product Control	THOMAS J. SOTOS PROFESSIONAL ENGINEER FL LIC. # 55225					1		NA LA LA		NAN CONCONCINE	TE WSONALEN



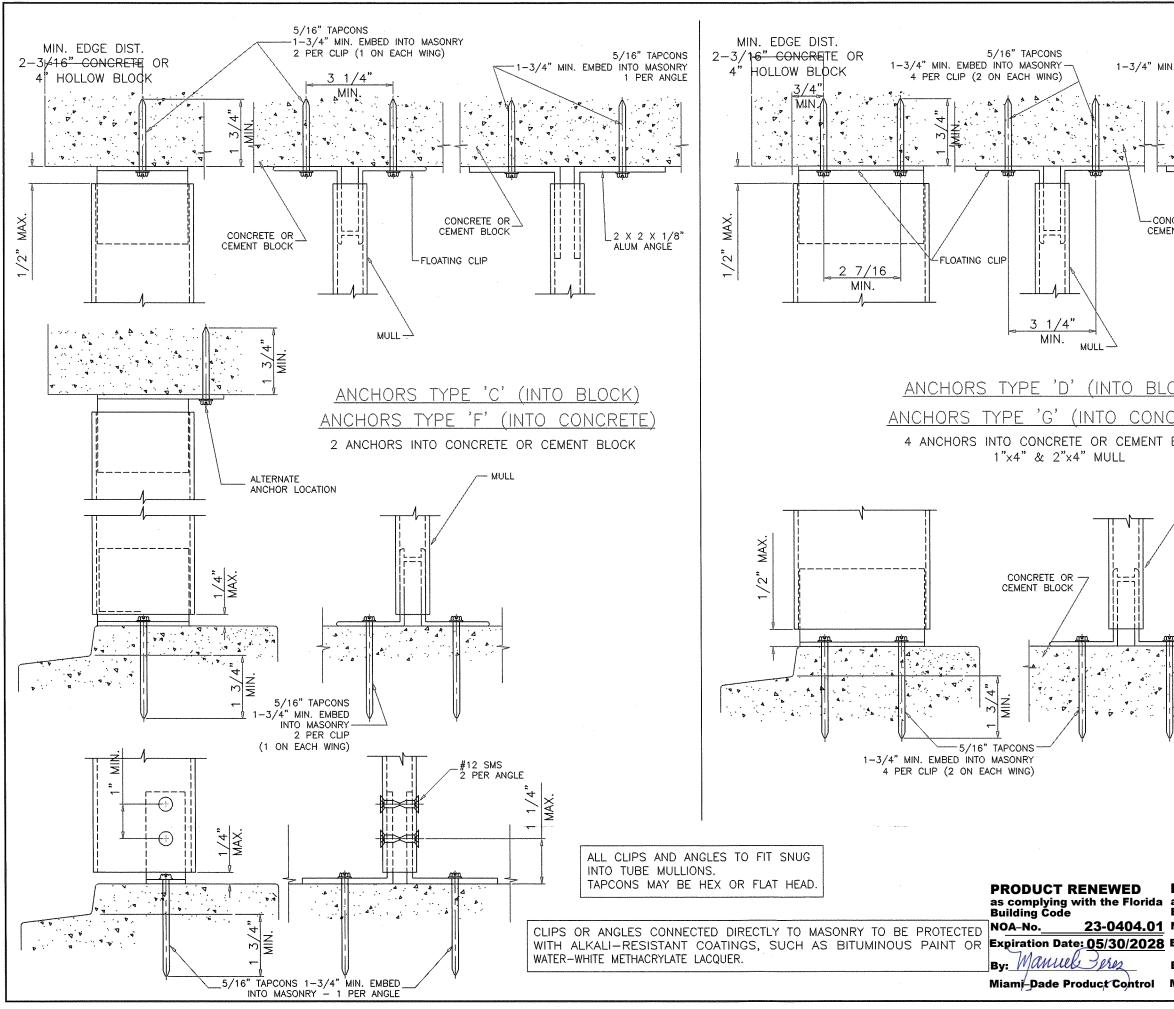
			TUF	BE MULLIC	ONS					TU	BE MULLIC	ONS				[	TUF	BE MULLIC	DNS		Ω <u></u>
Width (w)	MULL SPAN	1 X 2	1 X 3	1 X 4	2 X 4	2 X 6	Width (w)	MULL SPAN	1 X 2	1 X 3	1 X 4	2 X 4	2 X 6	Width (w)	MULL SPAN	1 X 2	1 X 3	1 X 4	2 X 4	2 X 6	)RS NOTES
18		125.0	125.0	125.0	125.0	125.0	18		28.3	81.5	125.0	125.0	125.0	18		-	19.3	42.1	60.5	125.0	
24		125.0	125.0	125.0	125.0	125.0	24		21.2	61.1	133.2	125.0	125.0	24		-	-	31.5	45.4	126.2	6 50 <i>D</i> (
30		123.0	125.0	125.0	125.0	125.0	30		17.0	48.9	106.5	125.0	125.0	30		-	-	25.2	36.3	100.9	33166 6-8660 LASS DO GENERAL
36		102.5	125.0	125.0	125.0	125.0	36		-	40.7	88.8	127.8	125.0	36		-	-	21.0	30.3	84.1	ST. DA 3. 696- <i>GLA</i> D GE
42	00 0/08	87.9	125.0	125.0	125.0	125.0	42		-	34.9	76.1	109.5	125.0	42	400"		-	18.0	25.9	72.1	90 S DRIDA 5) 65 ND 6
48 54	38- 3/8"	76.9 68.3	125.0 137.6	125.0 125.0	125.0 125.0	125.0 125.0	48 54	74-1/4"	-	30.6 27.2	66.6 59.2	95.8 85.2	125.0 125.0	48	120"	-	-	15.8	22.7 20.2	63.1 56.1	90 -081 50 50 AN
54 60		61.5	123.9	125.0	125.0	125.0	60			24.4	53.3	76.7	144.2	60		-	~		18.2	50.5	01 N.W. DLEY, FL No. (3( 100WS , 2NS CHARTS
66		55.9	112.6	125.0	125.0	125.0	66		-	22.2	48.4	69.7	131.1	66		_	-	_	16.5	45.9	HAH HAH
72		51.3	103.2	125.0	125.0	125.0	72		-	20.4	44.4	63.9	120.2	72		-	-	-	15.1	42.1	
78		47.3	95.3	125.0	125.0	125.0	78		-	18.8	41.0	59.0	110.9	78		-	-	-	-	38.8	8501 N MEDLEY, PH No. <i>MINUM WINDOW</i> SE MULLIONS PRESSURE CHAI
18		89.3	125.0	125.0	125.0	125.0	18		-	56.3	122.6	125.0	125.0	18		-	-	31.6	45.5	126.4	лам ИПШ ИЛ
24		67.0	125.0	125.0	125.0	125.0	24		-	42.2	92.0	132.4	125.0	24		-		23.7	34.1	94.8	
30		53.6	142.3	125.0	125.0	125.0	30		-	33.8	73.6	105.9	125.0	30		-	-	19.0	27.3	75.8	
<u>36</u> 42		44.6 38.3	118.6 101.7	125.0 125.0	125.0 125.0	125.0 125.0	36 42		_	28.1 24.1	61.3 52.6	88.3 75.7	125.0 125.0	36 42		-	-	15.8	22.7 19.5	63.2 54.2	ALUMII TUBE
<u>42</u> 48	50-5/8"	33.5	89.0	125.0	125.0	125.0	42	84"	-	24.1	46.0	66.2	140.8	42	132"	_	-	-	19.5	47.4	
54		29.8	79.1	129.2	125.0	125.0	54		-	18.8	40.9	58.8	125.2	54		-	-		15.2	42.1	
60		26.8	71.2	116.3	125.0	125.0	60			16.9	36.8	53.0	112.7	60		-	-	-	-	37.9	OF QUAL OF QUAL
66		24.4	64.7	105.7	125.0	125.0	66		-	15.3	33.4	48.1	102.4	66		-	-	-	-	34.5	
72		22.3	59.3	96.9	139.5	125.0	72		-	-	30.7	44.1	93.9	72	-	-	-	-	-	31.6	
78		20.6	54.7	89.5	128.8	125.0	78	······		-	28.3	40.7	86.7	78		-		-	-	29.2	TRIF TRIF
18		62.6	125.0	125.0	125.0	125.0	18			37.7	82.1	118.3 88.7	125.0 125.0	18		-	-	24.3	35.0	97.4 73.0	TUREH
24 30		46.9 37.5	135.1 108.1	125.0 125.0	125.0 125.0	125.0 125.0	24 30		-	28.3 22.6	61.6 49.3	71.0	125.0	24 30		-		18.3	26.3 21.0	58.4	ED ST
36		31.3	90.1	125.0	125.0	125.0	36		_	18.8	41.1	59.1	143.8	36		-			17.5	48.7	NUF ORCE
42		26.8	77.2	131.1	125.0	125.0	42		-	16.2	35.2	50.7	123.2	42		-	-	-	15.0	41.7	
48	57"	23.5	67.5	114.7	125.0	125.0	48	96"	-	-	30.8	44.3	107.8	48	144"	-	-	-	-	36.5	
54		20.9	60.0	101.9	146.8	125.0	54		-	-	27.4	39.4	95.8	54		-	-	-	-	32.5	HI AN
60		18.8	54.0	91.7	132.1	125.0	60		-	-	24.6	35.5	86.3	60	-	-	-	-	-	29.2	
66		17.1	49.1	83.4 76.5	120.1	125.0 125.0	66		-	-	22.4	32.3 29.6		66	-	-	-	-	-	26.6 24.3	2010 2014 014 017) 017) 017) 017) 020) 220) 220)
72 78		15.6	45.0 41.6	76.5	110.1 101.6	125.0	72 78		-	-	19.0	29.6	66.3	72 78	-	-		-		24.3	(20) (20) (20) (20) (20) (20) (20) (20)
18		46.3	133.4	125.0	125.0	125.0	18		_	26.5	57.7	83.1	125.0	18		-	-	-	31.0	86.1	Partition 1997
24		34.8	100.0	125.0	125.0	125.0	24		-	19.9	43.3	62.3	125.0	24		-	-	-	23.3	64.6	<ul> <li>the FBC-2010</li> <li>the FBC-2014</li> <li>the FBC-2014</li> <li>Edition (2014)</li> <li>Edition (2017)</li> <li>Espsf</li> <li>Edition (2020)</li> <li>Date Drawn:</li> <li>04/27/10</li> <li>Date Revised:</li> <li>08/10/20</li> </ul>
30		27.8	80.0	125.0	125.0	125.0	30		-	15.9	34.6	49.8	136.3	30	]	-	-	-	18.6	51.7	Jate for     Jate for       ate for     tefor       fBC 5th     E       red at     125       oed at     125       00     L
36		23.2	66.7	125.2	125.0	125.0	36		-	-	28.8	41.5	113.6	36		-	-	-	15.5	43.1	
42	00"	19.9	57.2	107.3	125.0	125.0	42	4003	-	-	24.7	35.6	97.4	42	4500	-	-	-	-	36.9	ed date date e w/ F e w/ F e w/ F ERAZO ERAZO
<u>48</u> 54	63"	17.4 15.4	50.0 44.5	93.9 83.4	135.1 120.1	125.0 125.0	48 54	108"	-	-	21.6 19.2	31.1 27.7	85.2 75.7	<u>48</u> 54	150"	-	-	-	-	32.3 28.7	
60	-	- 13.4	44.3	75.1	120.1	125.0	60		-	-	17.3	24.9	68.1	60	-		-		_	25.8	Revision Pliano N. N.
66	-	-	36.4	68.3	98.3	125.0	66		-	_	15.7	22.7	62.0	66	1	-	-	-	-	23.5	
72		-	33.3	62.6	90.1	125.0	72		-	_	-	20.8	56.8	72		-	-	-	~	21.5	Atom N. C.
78	]	-	30.8	57.8	83.2	125.0	78		-	-	-	19.2	52.4	78				500	-	19.9	Revi
	GLAZING PRODUCT	VERTICAL MULLION GLAZING PRODUCT	MULLION	2	GLAZING PRODUCT	AZING ODUCT		ARCHES INSIDE RI MULL CN VERT (INTE	to be inscr ectangular : IONS RA ICALLY O RPOLATIC	ribed shape TED IN T R HORIZ )N BETWI	THESE CH ONTALLY. EEN WIDT	IARTS MA		IENTED as Bui NO Exj	RODUCT REI complying with ilding Code DA-No2 piration Date: C : Mamub	h the Florida <u>3-0404.01</u> )5/30/2028	a as con Buildir <u> </u> NOA-N B Expira	DUCT RE mplying with ng Code No ation Date: Mawue	th the Flori <u>20-0814.</u> <u>05/30/20</u>		
0	W1	W2	>	l	MUL	LION SPAN		⊻ [WIL	ин (W)	= <u>W1</u>	2			Mia	amj-Dade Produ	uct Control	Miamj	-Dade Proc	luct Contro	ol	



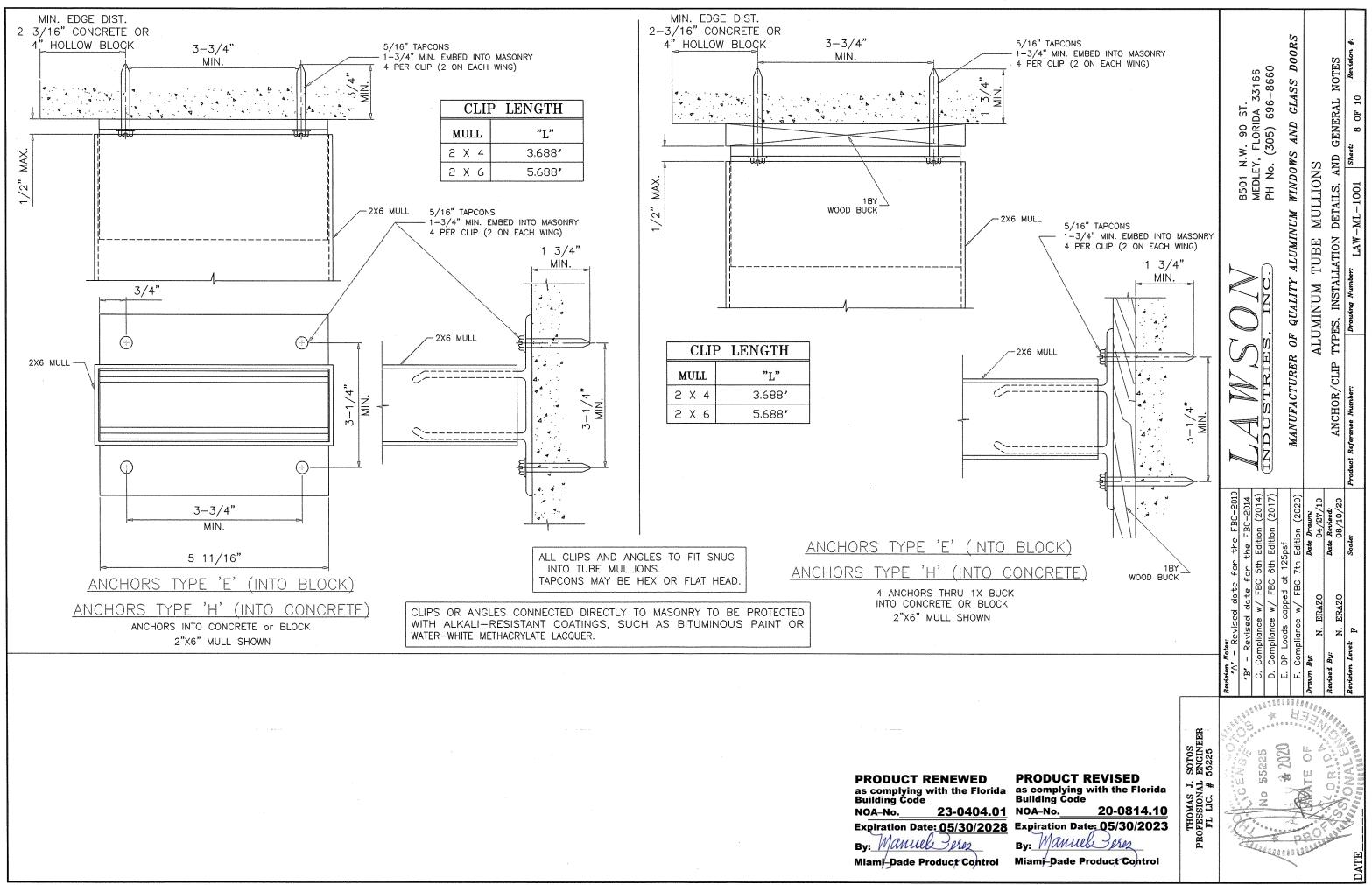
Width (w) 18 24 30	MULL SPAN			D TUBE MU				- 1 Ann Ann Ann A (	EINFORCE						REINFORCE				1		
18 24		1 X 3	1 X 4	2 X 4	2 X 6	Width (w)	MULL SPAN	1 X 3	1 X 4	2 X 4	2 X 6	Width (w)	MULL SPAN	1 X 3	1 X 4	2 X 4	2 X 6			S	NOTES
24	1	125.0	125.0	125.0	125.0	18	MOLL OF ANY	125.0	125.0	125.0	125.0	18		44.0	95.7	125.0	125.0			ORS	ON 5
20	-	125.0	125.0	125.0	125.0	24		139.5	125.0	125.0	125.0	24		33.0	71.8	116.6	125.0			66 00	
30		125.0	125.0	125.0	125.0	30		111.6	125.0	125.0	125.0	30		26.4	57.4	93.2	125.0			33166 5-8660 	ER.
36		125.0	125.0	125.0	125.0	36		93.0	125.0	125.0	125.0	36		22.0	47.8	77.7	125.0			ST. A 3316 596-861 <i>GLASS</i>	GENERAL F 10 Revu
42		125.0	125.0	125.0	125.0	42		79.7	125.0	125.0	125.0	42		18.9	41.0	66.6	125.0			$\cdots \land \odot$	
48	38- 3/8"	125.0	125.0	125.0	125.0	48	74-1/4"	69.7	125.0	125.0	125.0	48	120"	16.5	35.9	58.3	149.7			90 LORII 05) <i>AND</i>	AND 5 0
54	ŀ	125.0	125.0	125.0	125.0	54		62.0	134.6	125.0	125.0	54		-	31.9 28.7	51.8	133.1			W. FL S A	1.2
60 66	-	125.0 125.0	125.0 125.0	125.0 125.0	125.0 125.0	60 66		55.8 50.7	<u>121.2</u> 110.1	125.0 125.0	125.0 125.0	60 66		-	26.1	46.6 42.4	119.8 108.9			8501 N.W MEDLEY, PH No. ( <i>WINDOWS</i>	LONS CHARTS 01 Shee
72	F	125.0	125.0	125.0	125.0	72		46.5	101.0	125.0	125.0	72		_	23.9	38.9	99.8				MULLIONS SSURE CHAR' ML-1001 <sup>5</sup>
78	-	125.0	125.0	125.0	125.0	78		42.9	93.2	125.0	125.0	78		_	22.1	35.9	92.1			BHE BE	
18		125.0	125.0	125.0	125.0	18		128.4	125.0	125.0	125.0	18		33.1	71.9	116.8	125.0			WD	BE MULI Pressure Law-ML-10
24	F	125.0	125.0	125.0	125.0	24		96.3	125.0	125.0	125.0	24		24.8	53.9	87.6	125.0			2	01
30		125.0	125.0	125.0	125.0	30		77.1	125.0	125.0	125.0	30		19.9	43.1	70.1	125.0				TUBE GN PRE
36		125.0	125.0	125.0	125.0	36		64.2	139.5	125.0	125.0	36		16.5	35.9	58.4	125.0				$\neg$ $ $
42		125.0	125.0	125.0	125.0	42		55.0	119.5	125.0	125.0	42			30.8	50.0	128.5				
48	50-5/8"	125.0	125.0	125.0	125.0	48	84"	48.2	104.6	125.0	125.0	48	132"	-	27.0	43.8	112.5			Q INC QUALITY	ALUMINUM ' ULLIONS DESIGN ''''''''''''''''''''''''''''''''''''
54		125.0	125.0	125.0	125.0	54		42.8	93.0	125.0	125.0	54			24.0	38.9	100.0				IN St
60	-	125.0	125.0	125.0	125.0	60	1	38.5	83.7 76.1	135.9	125.0	60		-	21.6 19.6	35.0 31.8	90.0 81.8				ALLUMIN MULLIONS
66 72		147.7 135.3	125.0 125.0	125.0 125.0	125.0 125.0	<u> </u>		35.0 32.1	69.7	123.6 113.3	125.0 125.0	66 72		-	19.6	29.2	75.0			T O I	
72		124.9	125.0	125.0	125.0	72		29.6	64.4	104.6	125.0	78		-	16.6	26.9	69.2				M
18		125.0	125.0	125.0	125.0	18		86.0	125.0	125.0	125.0	18		25.5	55.4	89.9	125.0			DUSTRIE MANUFACTURER	TUBE
24		125.0	125.0	125.0	125.0	24	-	64.5	140.1	125.0	125.0	24		19.1	41.5	67.5	125.0				
30		125.0	125.0	125.0	125.0	30		51.6	112.1	125.0	125.0	30		15.3	33.2	54.0	138.6			FAC	6
36	[	125.0	125.0	125.0	125.0	36	-	43.0	93.4	125.0	125.0	36		-	27.7	45.0	115.5				RCI we /
42		125.0	125.0	125.0	125.0	42	-	36.9	80.1	130.1	125.0	42		-	23.7	38.5	99.0			MA DY	FO]
48	57"	125.0	125.0	125.0	125.0	48	96"	32.3	70.1	113.8	125.0	48	144"	-	20.8	33.7	86.6				REINFORCED tuct Reference Nun
54		137.0	125.0	125.0	125.0	54	-	28.7	62.3	101.2	125.0	54		-	18.5	30.0	77.0			H	R
60		123.3	125.0	125.0	125.0	60		25.8	56.1	91.1	125.0	60		-	16.6	27.0	69.3		•		<u>د</u>
66	-	112.1	125.0	125.0 125.0	125.0 125.0	66		23.5	51.0 46.7	82.8 75.9	125.0 125.0	66		-	15.1	24.5 22.5	63.0 57.8			C-2010 -2014 (2014) (2017) (2017) 2020)	27/10 *****
72 78	h	102.8 94.8	125.0 125.0	125.0	125.0	72	4	21.5 19.9	40.7	75.9	125.0	72 78			-	22.5	53.3			(20 (200-) BC-	/27 Meed
18		125.0	125.0	125.0	125.0	18		60.4	131.2	125.0	125.0	18		22.6	49.0	79.6	125.0			Pron Br	04 08 08
24		125.0	125.0	125.0	125.0	24	-	45.3	98.4	125.0	125.0	24		16.9	36.7	59.7	125.0			Edi Edi Dat	Date Sca
30		125.0	125.0	125.0	125.0	30		36.3	78.7	127.9	125.0	30			29.4	47.7	122.6			for 125 7th 72th	
36		125.0	125.0	125.0	125.0	36		30.2	65.6	106.6	125.0	36		-	24.5	39.8	102.2				
42		130.5	125.0	125.0	125.0	42		25.9	56.2	91.4	125.0	42		-	21.0	34.1	87.6			date Pped	
48	63"	114.2	125.0	125.0	125.0	48	108"	22.7	49.2	79.9	125.0	48	150"		18.4	29.8	76.6				ERAZO ERAZO
54		101.5	125.0	125.0	125.0	54		20.1	43.7	71.1	125.0	54		-	16.3	26.5	68.1			흰병일일이이	ż ż <sup>£</sup>
60		91.3	125.0	125.0	125.0	60		18.1	39.4	64.0	125.0	60				23.9	61.3			Re Re Lo	r: evel:
66 72		83.0 76.1	125.0 142.4	125.0 125.0	125.0 125.0	66 72	4	16.5 15.1	35.8 32.8	58.1 53.3	147.0 134.8	66 72		-		21.7 19.9	55.7 51.1			Ar Nation N Ar 'A' 'B' - 'B' - 'A' 'A' 'A' 'A' 'A' 'A' 'A' 'A' 'A'	d B W
72		70.1	131.4	125.0	125.0	72	4		30.3	49.2	124.4	78			-	18.4	47.2				ertse ertst
		. ~				d	I RIZONTAL MULLION	L		L				1		L				<u>*     Ā</u>	<u>  ~   ~</u>
			<del>۸</del>	ſ	[			ر يعود													3.10.
					G III		NI WI	IYP	ICAL MUL	LIUN AR	RANGEME	NIS							EER	2.02.	115%
		VERTICAL MULLION						ARCHES	TO BE INSC	RIBED									So S	1. <b>R</b> 1.	6.15
			z						RECTANGULAR	SHAPE									SOTOS ENGINI 55225		
	GLAZING	GLAZING		AN				NOTE				UNDTO NAV			UCT RE			DUCT REVISED			
	PRODUCT	PRODUCT	WULLION	カ			12				THESE CH ZONTALLY.		BE ORIENT	<sup>ED</sup> as con			da as con Buildir	nplying with the Florida ng Code	AS ON/	give and	$\sim$
					GLAZING	GLAZIN						THS ALLOW	FD)	NOA-N		23-0404.0			THOMAS J. PROFESSIONAL FL LLC. # 1	W.Z SY	
					PRODUCT		CT	(IIATE		UN DEIM		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Expirat		05/30/202	_	tion Date: 05/30/2023	EL CL	ATT COMPANY	Strin .
										\M/ *	I + W2	]		<b>_</b>	Januele		7.	Januel Perez	PR	Cart Pr	STAR.
	W1	W2			L		<u> </u>	WI	DTH (W)		2					uct Contro	/	Dade Product Control			DATE
-04			7		MUL	LION SPAN		L				1					- 7.				<sup>7</sup> Cl

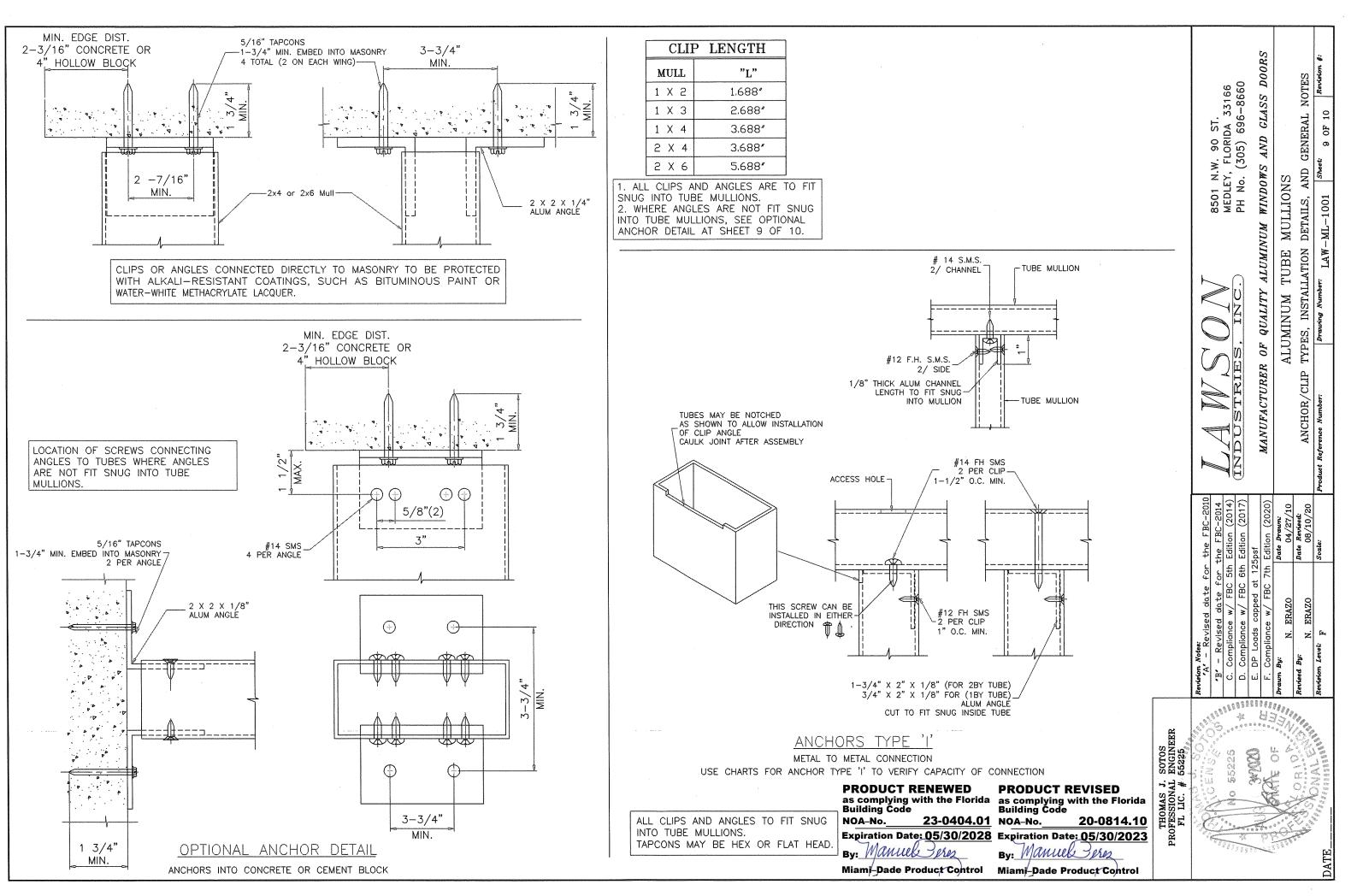


N. EMBED INTO MASONRY 2 PER ANGLE			8501 N.W. 90 ST.	MEDLEY, FLORIDA 33166	PH No. (305) 696-8660		WINDOWS AND GLASS DOORS	LIONS	LS, AND GENERAL NOTES	001 Sheet: 6 OF 10 Revision #:
(INTO_BLOCK) ITO_CONCRETE) X BUCK BLOCK	X 1/8" NGLE	IN UN			W. IDC.		MANUFACTURER OF QUALITY ALUMINUM N	ALUMINUM TUBE MULLIONS	ANCHOR/CLIP TYPES, INSTALLATION DETAILS, AND GENERAL NOTES	Praving Number: LAW-ML-1001
5/16" TAPCONS N. EMBED INTO MASONRY 1 PER ANGLE					HAT IND UNIT		MANUFACTURER		ANCHOR/CLIP	Product Reference Number:
		the FBC-2010	the FBC-2014	5th Edition (2014)	Edition (2017)	.5psf	7th Edition (2020)	Date Drawn: 04/27/10	Date Revised: 08/10/20	Soale:
JP	X 1/8" NGLE	Revision Notes: 'A' - Revised date for the FBC-	"B" - Revised date for	C. Compliance w/ FBC 5th	D. Compliance w/ FBC 6th	E. DP Loads capped at 125pst	F. Compliance w/ FBC 7th	brawn By: N. ERAZO	Revised By: N. ERAZO	Revision Level: F
INTO CONCRETE) 1X BUCK BLOCK RODUCT REVISED s complying with the Florida	S J. SOTOS NAL ENGINEER 3. # 55225			No 55225	0.000	Mar X			R. P. P. S.	1 - CN AL TANK
uilding Code OA-No. <u>20-0814.10</u> (piration Date: <u>05/30/2023</u>	THOMAS J. PROFESSIONAL FL LLC. #	0	÷.			0 8 1	 P1	X	Ref.	S.



5/16" TAPCONS IN. EMBED INTO MASONRY 2 PER ANGLE NCRETE OR ENT BLOCK OCK) CRETE) BLOCK	X 1/8" NGLE		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		DUSTRIES, INC.) PH No. (305) 696-8660		MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS	ALUMINUM TUBE MULLIONS	ANCHOR/CLIP TYPES, INSTALLATION DETAILS, AND GENERAL NOTES	Product Reference Number: Drawing Number: LAW-ML-1001 Sheet: 7 OF 10 Revision #:
FLOATING CLIP		Revision Notes: *A" - Revised date for the FBC-2010	'B' - Revised date for the FBC-2014	C. Compliance w/ FBC 5th Edition (2014)	D. Compliance w/ FBC 6th Edition (2017) $(\underline{L}\underline{\Gamma}$	E. DP Loads capped at 125psf	F. Compliance w/ FBC 7th Edition (2020)	Drawn By: Date Drawn: N. ERAZO 04/27/10	Revieed By: Date Revieed: N. ERAZO 08/10/20	Revision Levei: F
PRODUCT REVISED as complying with the Florida Building Code NOA-No. <u>20-0814.10</u> Expiration Date: <u>05/30/2023</u> By: <u>Manub</u> Manu Miami-Dade Product Control	THOMAS J. SOTOS PROFESSIONAL ENGINEER FL LIC. # 55225			11/ 1. No 55225			66			DATE





	·····								· _ · · · · · ·			·····		5411411411414141414141414141414							· · ·	
			ANCHOR TYPES				 			CHOR TY	1								HOR TYPES			
Width (w)	MULL SPAN		D E F G	<u>H</u> I	Width (w) M	IULL SPAN	A			E	F	<u> </u>	1	Width (w)	IULL SPAN		B C			<u>G H I</u>		S.
18			125.00 125.00 125.00 125.0		18			125.00 125		0 125.00			0 125.00	18			2.27 129	1		25.00 125.00 125		HO
24		131.65 125.00 125.00			24			136.08 125			125.00		0 125.00	24			4.20 96.		+	25.00 125.00 115	.70	DO
30		105.32 125.00 125.00			30			108.86 125		0 125.00			0 149.59	30			7.36 77.			0.24 125.00 92.	U (A	N N
36			125.00 125.00 125.00 125.0		36					0 125.00	ł		0 124.66	36			5.13 64.			8.53 144.20 77.	13 M U	AS
42	20.2/0	75.23 125.00 125.00			42	74 414				6 125.00			0 106.85	42	400		3.11 55.			3.03 123.60 66.		
48 54	38 3/8		125.00 125.00 125.00 125.0 125.00 125.00 125.00 125.0		48	74 1/4			.22 117.6 .53 104.5	-	-		0 93.49 0 83.11	48	120		2.10 48.4 7.42 43.4			1.40 108.15 57. 2.36 96.13 51.		
60			125.00 125.00 125.00 125.0 125.00 125.00 125.00 125.0		60					3 125.09	+		3 74.80	<u>60</u>			3.68 38.			5.12 86.52 46.		IND BRAI
66			125.00 125.00 125.00 125.0		66			49.48 56		7 113.72	+		2 68.00	66				20 52.95		9.20 78.65 42.		S AND GLASS ENERAL NOTES
72			125.00 125.00 125.00 125.0		72		1 ···· +			4 104.24			3 62.33	72			3.07 32.			4.27 72.10 38.	57 Z 2 0	N D S
78			140.09 125.00 104.11 125.0		78		20.94	41.87 48		0 96.22	1 1		6 57.54	78				78 44.80		0.09 66.55 35.	NCE 100	UM WINDO MULLION ARTS AND
18		133.06 125.00 125.00	125.00 125.00 125.00 125.0	0 125.00 125.00	18		80.19 1	125.00 125	5.00 125.0	0 125.00	125.00	125.00 125.0	0 125.00	18		51.03 10	2.06 117	.33 125.00	125.00 131.15 12	25.00 125.00 140	8501 MEDL PH N	UND AND
24		99.79 125.00 125.00	125.00 125.00 125.00 125.0	0 125.00 125.00	24		60.14 1	120.29 138	3.29 125.0	00 125.00	125.00	125.00 125.0	0 125.00	24		38.27 76	6.55 88.	00 132.36	125.00 98.36 14	8.00 125.00 105	.18 0 2 0	
30			125.00 125.00 125.00 125.0		30		48.11	96.23 110	0.63 125.0	00 125.00	123.66	125.00 125.0	0 132.23	30		30.62 61	1.24 70.4	40 105.89	140.73 78.69 11	8.40 125.00 84.	15	E MUI CHARTS
36			125.00 125.00 125.00 125.0		36		40.10		.19 138.6			125.00 125.0		36			1.03 58.			8.67 131.09 70.	12	2 1
42			125.00 125.00 146.56 125.0		42		h		.02 118.8			132.90 125.0		42						4.57 112.36 60.		
48	50 5/8		125.00 125.00 128.24 125.0		48	84			.14 104.0				0 82.64	48	132					4.00 98.32 52.		ALUMI TUBE SURE CI
54 60			125.00 125.00 113.99 125.0 138.05 125.00 102.59 125.0		54				.46 92.44 .31 83.20		68.70		3 73.46 0 66.11	54 60						5.78 87.39 46.		
66			138.05125.00102.59125.0125.50125.0093.26140.3	3 125.00 99.73	60 66				.31 83.20		61.83 56.21		6 60.10	66			0.62 35. 7.83 32.0			9.20 78.65 42. 3.82 71.50 38.		ALITY ALUI NUM TUE PRESSURE
72			115.04 125.00 85.49 128.6		72				.10 69.3		51.52		0 55.10	72			5.52 29.			9.33 65.55 35.	'L	
78				4 125.00 84.39	78				.55 64.00		47.56	71.56 95.0	8 50.86	78			3.55 27.			5.54 60.50 32.		QU MI MI
18		118.18 125.00 125.00	125.00 125.00 125.00 125.0	0 125.00 125.00	18		70.17	140.33 12	5.00 125.0	0 125.00	125.00	125.00 125.0	0 125.00	18		46.78 93	3.56 107	.56 125.00		25.00 125.00 128		
24			125.00 125.00 125.00 125.0		24		52.63 <sup>-</sup>	105.25 12	1.00 125.0	00 125.00	135.25	125.00 125.0	0 144.63	24		35.08 70				5.67 125.00 96.4	42	
30			125.00 125.00 125.00 125.0		30		42.10	84.20 96	.80 145.6	60 125.00	108.20	125.00 125.0	0 115.70	30		28.07 56				8.53 144.20 77.		
36			125.00 125.00 125.00 125.0		36				.67 121.3			135.67 125.0		36					+	0.44 120.17 64.3		UR OR
42		50.65 101.29 116.45			42				.14 104.0		++	116.29 125.0		42				10 69.33	+ + +	7.52 103.00 55.		JFACTURER /ANCHORS <sup>Number:</sup>
	57		125.00 125.00 113.89 125.0 136.23 125.00 101.24 125.0	0 125.00 121.79	48	96			.50 91.0		++	101.75 135.1		48	144		5.08 40.3	33         60.67           85         53.93		7.83 90.13 48.		AN
<u> </u>				9 125.00 97.43	54 60				.78 80.8		++	90.44 120. <sup>2</sup> 81.40 108. <sup>2</sup>		54 60				27 48.53		0.30 80.11 42. 4.27 72.10 38.		
66				3 125.00 88.57	66		H		.00 66.1			74.00 98.3		66				27         40.33           33         44.12		9.33 65.55 35.		AANU CLIP,
72				5 125.00 81.19	72				.33 60.6			67.83 90.1		72			3.39 26.	······		5.22 60.08 32.		Ref
78		27.27 54.54 62.70	94.32 125.34 70.09 105.4	6 140.11 74.95	78		16.19	32.38 37	.23 56.0	0 74.42	41.62	62.62 83.1	9 44.50	78			1.59 24.			1.74 55.46 29.		and the second sec
18		106.92 125.00 125.00	125.00 125.00 125.00 125.0	0 125.00 125.00	18		62.37	124.74 14:	3.41 125.0	00 125.00	125.00	125.00 125.0	00 125.00	18		44.91 89	9.81 103	.25 125.00	125.00 115.41 17	3.65 125.00 123	.41	Prod
24		80.19 125.00 125.00			24		46.78	93.56 10	7.56 125.0	00 125.00	120.22	125.00 125.0	0 128,56	24		33.68 67	7.36 77.4	44 116.48	125.00 86.56 13	0.24 125.00 92.		
30			125.00 125.00 125.00 125.0		30							144.71 125.0		30						04.19 138.43 74.		() 20) 20)
36			125.00 125.00 137.40 125.0 125.00 125.00 117.77 125.0				L					120.59 125.0		36					103.20 57.71 80			27 10 10
42	63		125.00 125.00 117.77 125.0 138.67 125.00 103.05 125.0		42	400						103.37 137.3 90.44 120.7		42	450					4.4298.8852.45.1286.5246.1		
48 54	63		123.26 125.00 91.60 137.8		48	108						90.44 120. 80.40 106.8		48	150				68.80 38.47 5			Date Date Soa
 60			110.93 147.43 82.44 124.0		60					1 86.00				60						2.10 69.22 37.		÷ 13
66			100.85 134.03 74.94 112.7		66							65.78 87.3		66						7.36 62.92 33.		
72	1		92.44 122.86 68.70 103.3		72							60.30 80.1		72						3.41 57.68 30.		
78		24.67 49.35 56.73	85.33 113.41 63.41 95.4	1 126.77 67.81	78		14.39	28.79 33	.09 49.7	8 66.15	36.99	55.66 73.9	5 39.56	78		10.36 20	0.73 23.	83 35.84	47.63 26.63 40	0.07 53.24 28.4		app RAZ RAZ
																				· · · · · · · · · · · · · · · · · · ·	ice dise	S S S S S S S S S S S S S S S S S S S
		- ANCHOR/CLIP	ANCHOR,																			k N. N.
	1	-	ANCHOR,		TAL MULLION																	
[[	<del>(-</del> 1						NCHOR	CLIP I	NOTES:												A	
	1	₩   -		LAZING		1					סטווי			ED								raw F
		VERTICAL OU MULLION III GLAZING PRODUCT IV			/tč	4						CONDITIO										
												DETAILS										
6			AN T	t ·	VERTICAL MULLION	2						MAX. DE										
P	RODUCT		GLAZING	GLAZING PRODUCT		3						SIGN RAT			<u>_</u>						1 8.9 % n	
			PRODUCT	PRODUCI		N.						FOR PART			2.					SOTOS	8 22	N. Sist
ANC	HOR/CLIP-	ER			SEA 1	4						HEREIN		OVER						OS SO		
		∰∖ ∥ >			II II							IAMB END			RODUC		WED	PRO	DUCT REVISE		* 220-0	PEXIS
ļ	(_]	<u>≱└</u> }		0	JE JE	Į 5.	. INTER	POLATI	ON BET	WEEN '	WIDTHS	S OR SP	ANS ALI	OWED. as	s complyir uilding Co	ng with th de	e Florid	a as co Buildi	mplying with the ng Code	Florida	iii iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	Serie .
	Ч	$\parallel$		J	<u> </u>	<u></u>									ullaing Co OA-No.	23-0	0404_0	1 NOA-		814.10 M	I Com	I C.
	W1	W2																	ation Date: 05/3		E	
		4 12		TAL MULLION	0										1.1	0			Manuel Jere			
				SPAN										-	r: Mani			-		5		
		TYPICAL MULLION	CLIP ARRANGEMEN	<u>TS</u>										Mi	iamj-Dade	Product	Control	Miamj	-Dade Product C	ontrol		
		······										25444-14-14-14-14-14-14-14-14-14-14-14-14-									1	

