

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

Labrador & Fundora Corp. dba V & V Windows 2355 W 4<sup>th</sup> Avenue Hialeah, FL 33010-1454 Sconte

## 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 "450" Aluminum Fixed Window – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. **W14-29**, titled "Series-450 Aluminum Fixed Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 08/20/14, with revision **C** dated 07/14/20, 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, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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

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

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

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

This NOA revises NOA No. 19-1210.02 and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY APPROVED

12/8/20

NOA No. 20-0929.15 Expiration Date: December 24, 2024 Approval Date: December 17, 2020 Page 1

## Labrador & Fundora Corp. dba V & V Windows

## **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. 14-0909.16)*
- Drawing No. W14-29, titled "Series-450 Aluminum Fixed Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 08/20/14, with Revision B dated 12/02/19, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E. (Submitted under NOA No. 19-1210.02)

#### **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

along with marked-up drawings and installation diagram of mulled aluminum fixed and fixed casement windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5009**, dated 04/23/14, signed and sealed by Rafael E. Droz–Seda, P.E.

## (Submitted under NOA No. 14-0909.16)

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 mulled aluminum fixed and fixed casement windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5010**, dated 04/23/14, signed and sealed by Rafael E. Droz– Seda, P.E.

## (Submitted under NOA No. 14-0909.16)

- **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) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202–94

along with marked-up drawings and installation diagram of mulled aluminum operable casement windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5011**, dated 04/23/14, signed and sealed by Rafael E. Droz–Seda, P.E. *(Submitted under NOA No. 14-0909.16)* 

4. 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 mulled aluminum operable casement windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. Report No. **HETI-14-5012**, dated 04/23/14, signed and sealed by Rafael E. Droz–

Seda, P.E.

(Submitted under NOA No. 14-0909.16)

MI Manuel Perez, P.E

Product Control Examiner NOA No. 20-0929.15 Expiration Date: December 24, 2024 Approval Date: December 17, 2020

## **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

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

- 5. 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) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202–94

along with marked-up drawings and installation diagram of mulled aluminum operable casement and fixed casement windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5013**, dated 04/23/14, signed and sealed by Rafael E. Droz–Seda, P.E.

## (Submitted under NOA No. 14-0909.16)

6. 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 mulled aluminum operable casement and fixed casement windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5014**, dated 04/23/14, signed and sealed by Rafael E. Droz–Seda, P.E.

## (Submitted under NOA No. 14-0909.16)

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 an aluminum fixed window, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5015**, dated 04/23/14, signed and sealed by Rafael E. Droz–Seda, P.E. (Submitted under NOA No. 14-0909.16)

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 operable casement window, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5016**, dated 04/23/14, signed and sealed by Rafael E. Droz–Seda, P.E. (Submitted under NOA No. 14-0909.16)

9. 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 mulled aluminum operable casement and fixed windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5017**, dated 04/23/14, signed and sealed by Rafael E. Droz–Seda, P.E.

(Submitted under NOA No. 14-0909.16)

Manu Manuel Perez, P.F

Product Control Examiner NOA No. 20-0929.15 Expiration Date: December 24, 2024 Approval Date: December 17, 2020

## Labrador & Fundora Corp. dba V & V Windows

## **NOTICE OF ACCEPTANCE:** EVIDENCE SUBMITTED

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

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

**10.** 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 mulled aluminum operable casement and fixed windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5018**, dated 06/11/14, signed and sealed by Rafael E. Droz– Seda, P.E.

## (Submitted under NOA No. 14-0909.16)

- 11. 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) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202–94

along with marked-up drawings and installation diagram of an aluminum operable casement window, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5019**, dated 04/23/14, signed and sealed by Rafael E. Droz– Seda, P.E. *(Submitted under NOA No. 14-0909.16)* 

- **12.** 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 mulled aluminum operable casement and fixed windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5052**, dated 10/21/14, signed and sealed by Rafael E. Droz–Seda, P.E.

(Submitted under NOA No. 14-0909.16)

#### C. CALCULATIONS

- Anchor verification calculations and structural analysis, complying with FBC 5<sup>th</sup> Edition (2014) and FBC 6<sup>th</sup> Edition (2017) dated 07/06/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E. (Submitted under NOA No. 17-0809.36)
- 2. Glazing complies with ASTM E1300-09

# D. OUALITY ASSURANCE

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

Manu

Manuel Perez, P.E. Product Control Examiner NOA No. 20-0929.15 Expiration Date: December 24, 2024 Approval Date: December 17, 2020

## Labrador & Fundora Corp. dba V & V Windows

## **NOTICE OF ACCEPTANCE:** EVIDENCE SUBMITTED

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

#### E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 17-0712.05 issued to Eastman Chemical Company (MA) for their "Saflex Clear and Color Glass Interlayers" dated 09/07/17, expiring on 05/21/21.
- 2. 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 FBC 6<sup>th</sup> Edition (2017), dated 12/03/19, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E (Submitted under NOA No. 19-1210.02)
- 2. Statement letter of conformance, complying with FBC-5<sup>th</sup> Edition (2014), and of no financial interest, dated August 13, 2014, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

(Submitted under NOA No. 17-0809.36)

- Proposal issued by the Product Control Section, dated August 27, 2013, signed by Jaime D. Gascon, P.E., Product Control Supervisor. (Submitted under NOA No. 14-0909.16)
- G. OTHERS
  - 1. Notice of Acceptance No. 17-0809.36, issued to Labrador & Fundora Corp. dba V & V Windows for their Series "450" Aluminum Fixed Window L.M.I., approved on 11/16/17 and expiring on 12/24/19.

Manu

Manuel Pérez, P.E. Product Control Examiner NOA No. 20-0929.15 Expiration Date: December 24, 2024 Approval Date: December 17, 2020

## **NOTICE OF ACCEPTANCE:** EVIDENCE SUBMITTED

## 2. NEW EVIDENCE SUBMITTED

#### A. DRAWINGS

1. Drawing No. 19-19D, titled "Series-350 Aluminum Fixed Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 08/20/14, with revision C dated 07/14/20, 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 6<sup>th</sup> Edition (2017), dated 01/16/19 and updated on 09/10/20 to comply with FBC 7<sup>th</sup> 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. 20-0622.01 issued to Eastman Chemical Company (MA) for their "Saflex PVB Clear and Color Glass Interlayers" dated 08/06/20, expiring on 05/21/21.
- 2. Notice of Acceptance No. 18-0725.11 issued to Kuraray America, Inc. for their "Kuraray SentryGlas<sup>®</sup> Xtra<sup>™</sup> (SGX<sup>™</sup>) Clear Glass Interlayer" dated 05/23/19, expiring on 05/23/24.

#### F. STATEMENTS

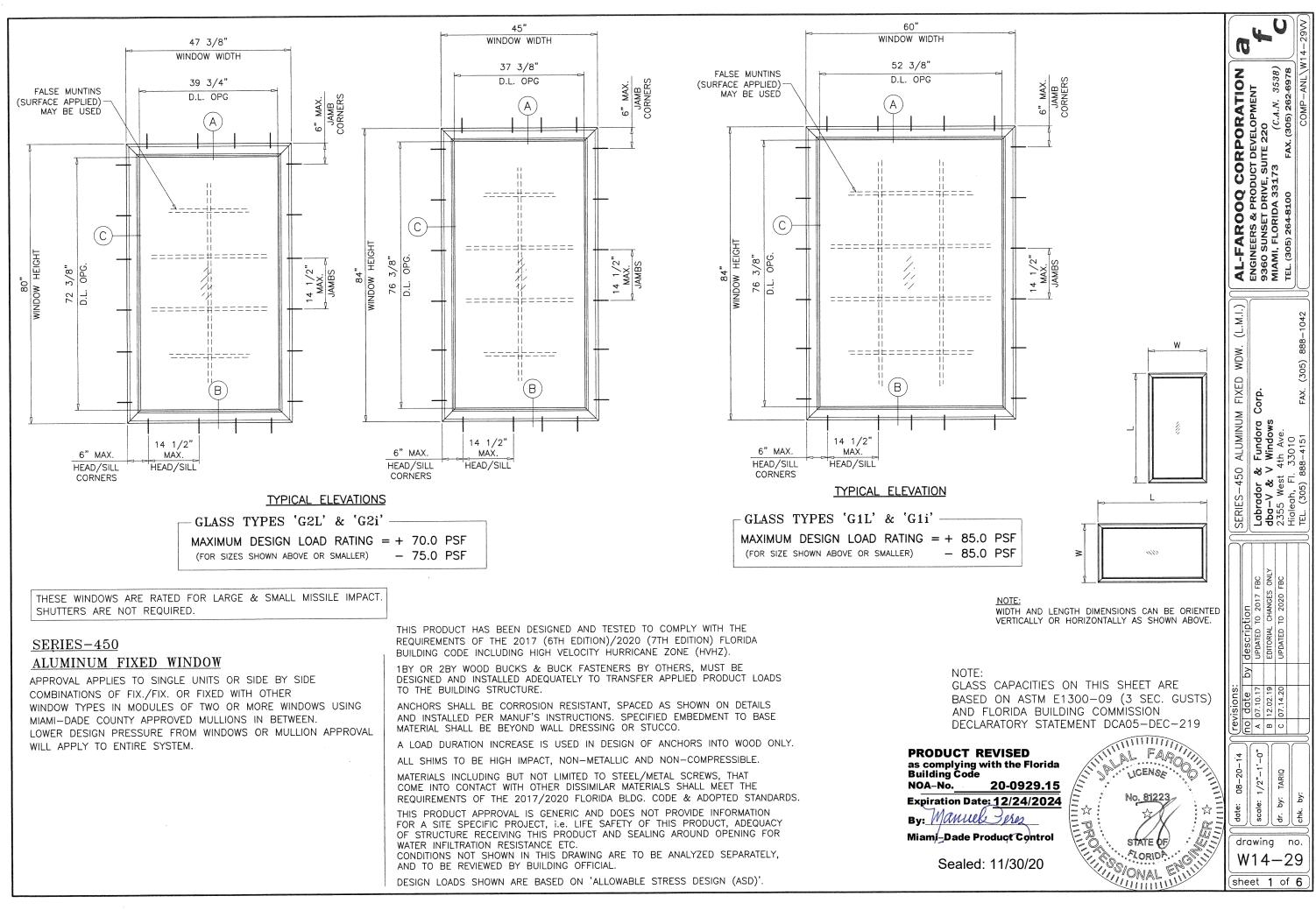
Statement letter of conformance, complying with FBC 6<sup>th</sup> Edition (2017), with FBC 7<sup>th</sup> Edition (2020) and of no financial interest, dated September 10, 2020, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

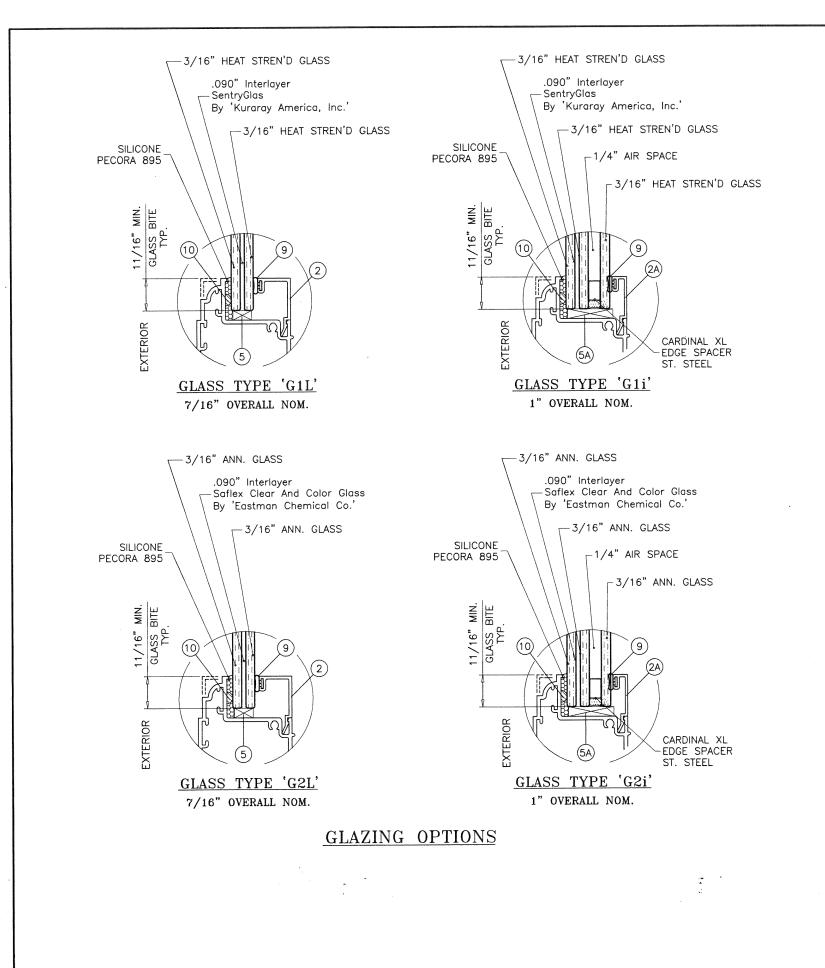
#### G. OTHERS

1. Notice of Acceptance No. **19-1210.02** issued to Labrador & Fundora Corp. dba V & V Windows for their Series "450" Aluminum Fixed Window - L.M.I., approved on 01/23/20 and expiring on 12/24/24.

Manuel Perez, P.H

Product Control Examiner NOA No. 20-0929.15 Expiration Date: December 24, 2024 Approval Date: December 17, 2020

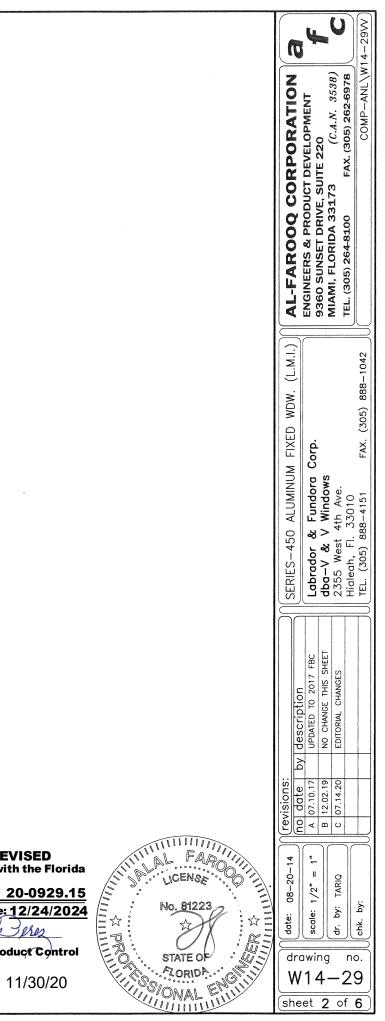


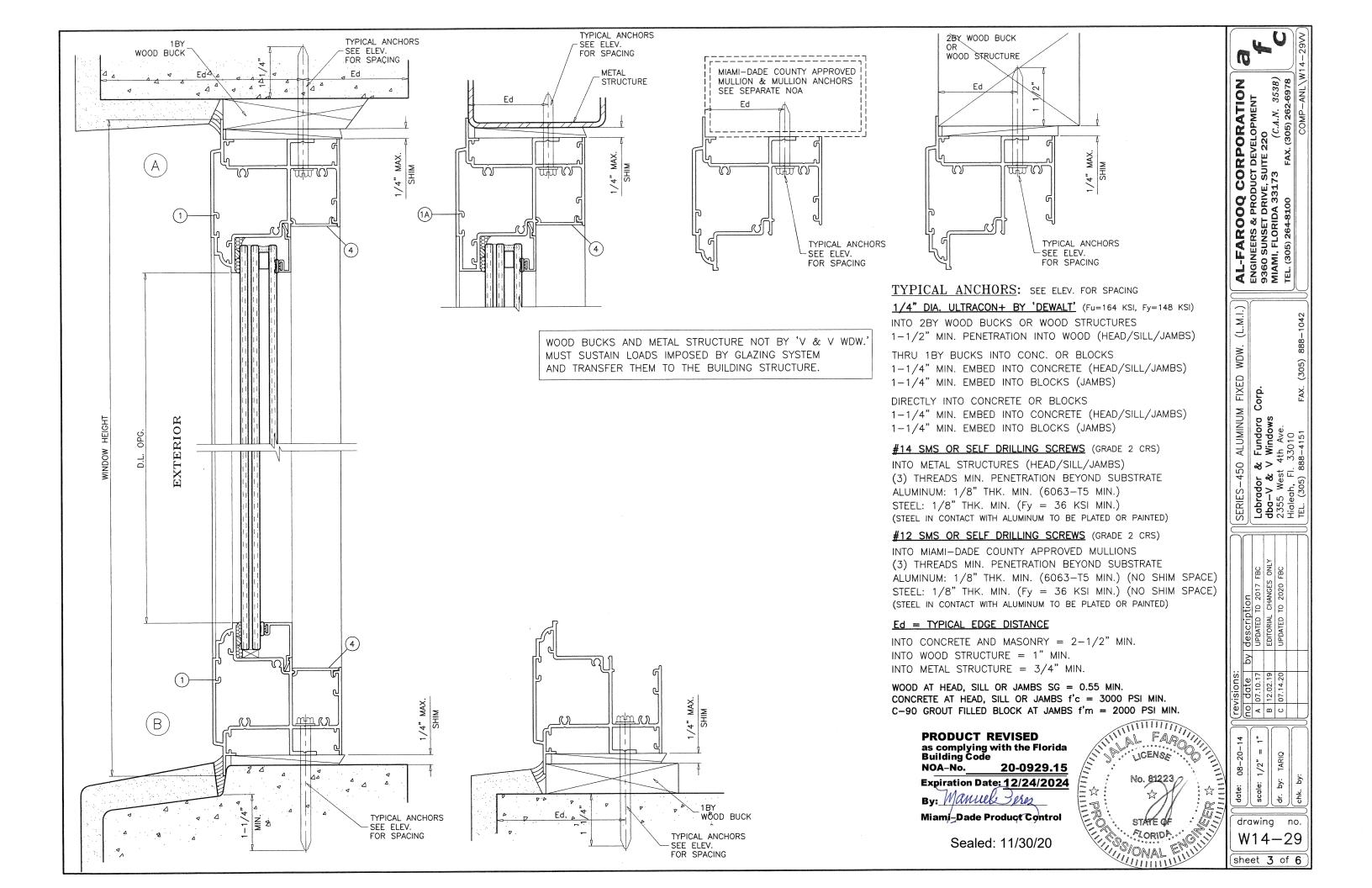


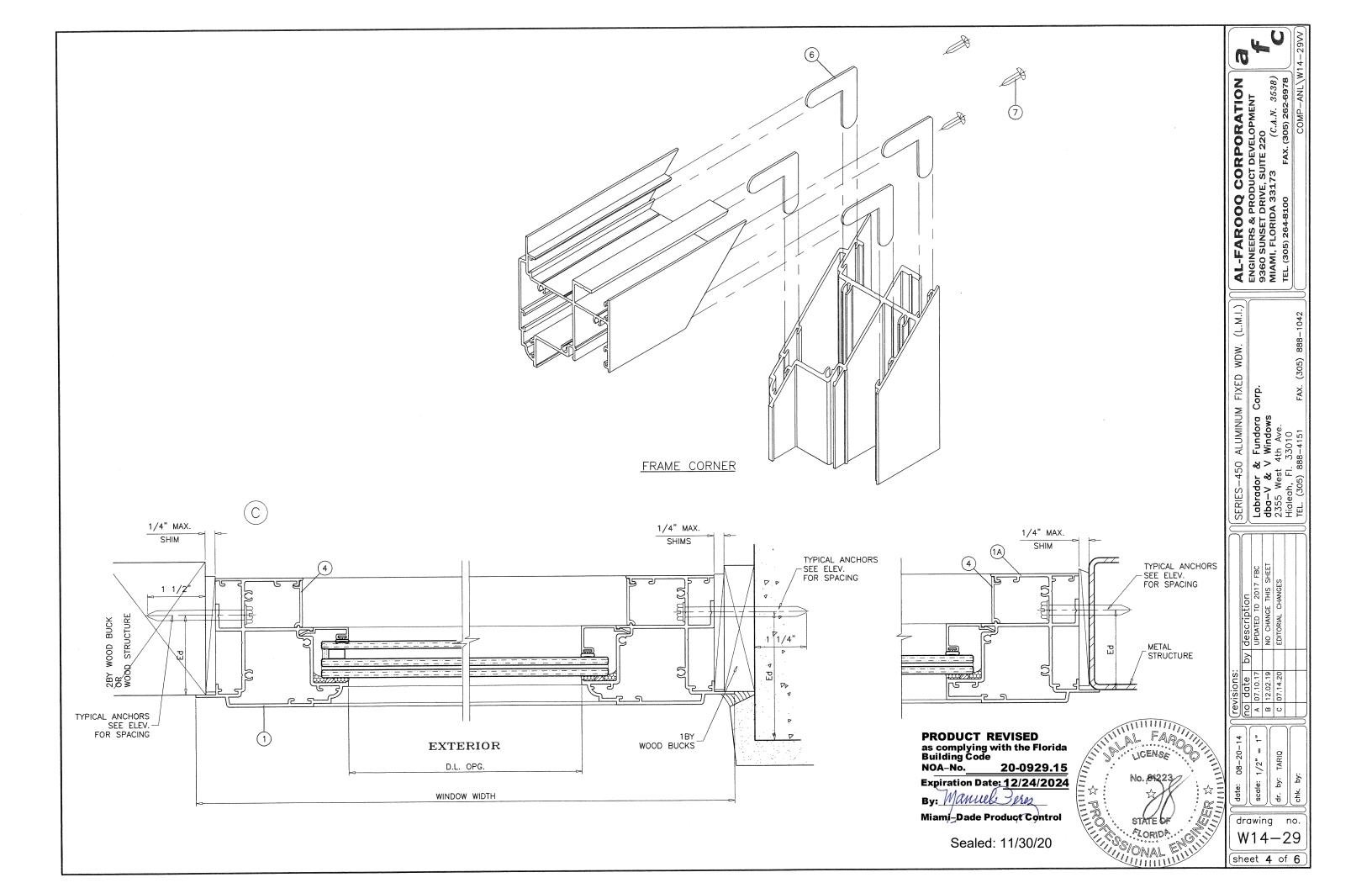
**PRODUCT REVISED** as complying with the Florida Building Code NOA-No.

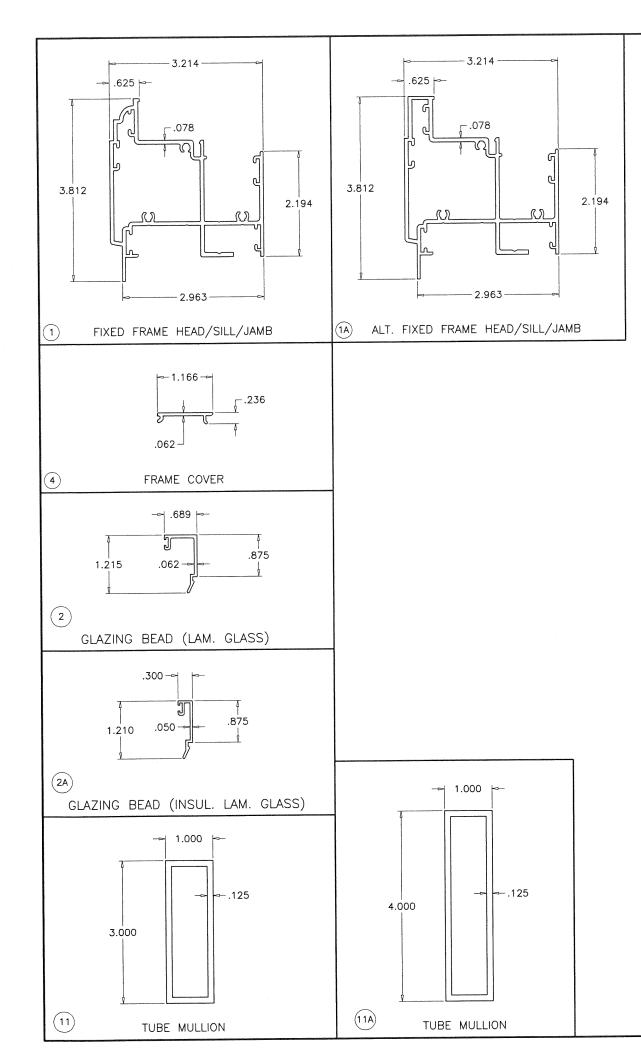
Expiration Date: 12/24/2024 By: Manuel Peres

Miami-Dade Product Control









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ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	M
1	V403	4/ WDW.	FRAME HEAD/SILL/JAMB	6063-T6	-
1A	V412	4/ WDW.	ALT. FRAME HEAD/SILL/JAMB	6063-T6	-
2	V405	4/ WDW.	GLAZING BEAD (LAM. GLASS)	6063-T5	-
2A	V406	4/ WDW.	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T5	-
4	V404	AS REQD.	FRAME COVER	6063-T6	-
5	_	AS REQD.	SETTING BLOCK	EPDM	U
5A	-	AS REQD.	SETTING BLOCK	EPDM	U
6	PJ540-SS	AS REQD.	CORNER KEY	ST. STEEL	SI
7	#10 X 1-1/4"	AS REQD.	FRAME ASSEMBLY SCREWS	CRS	PI
9	9146	AS REQD.	GLAZING GASKET	VINYL	C
10		AS REQD.	GLASS SPACER	SILICONE	FF
11		AS REQD.	1X3 TUBE MULLION	6063-T6	-
11A	_	AS REQD.	1X4 TUBE MULLION	6063-T6	-

#### SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH 'PECORA 1215' SEAM SEALER. PARIMETER CAULKING 'DYMONIC FC POLYURETHANE' ON EXTERIOR ONLY.

> PRODUCT REV as complying with Building Code NOA-No. 20 Expiration Date: 1

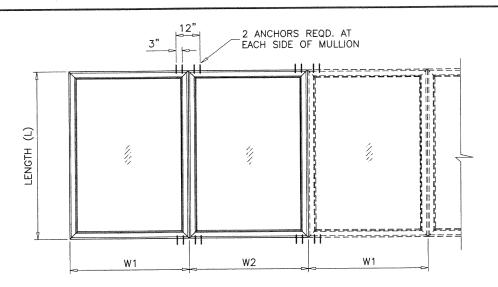
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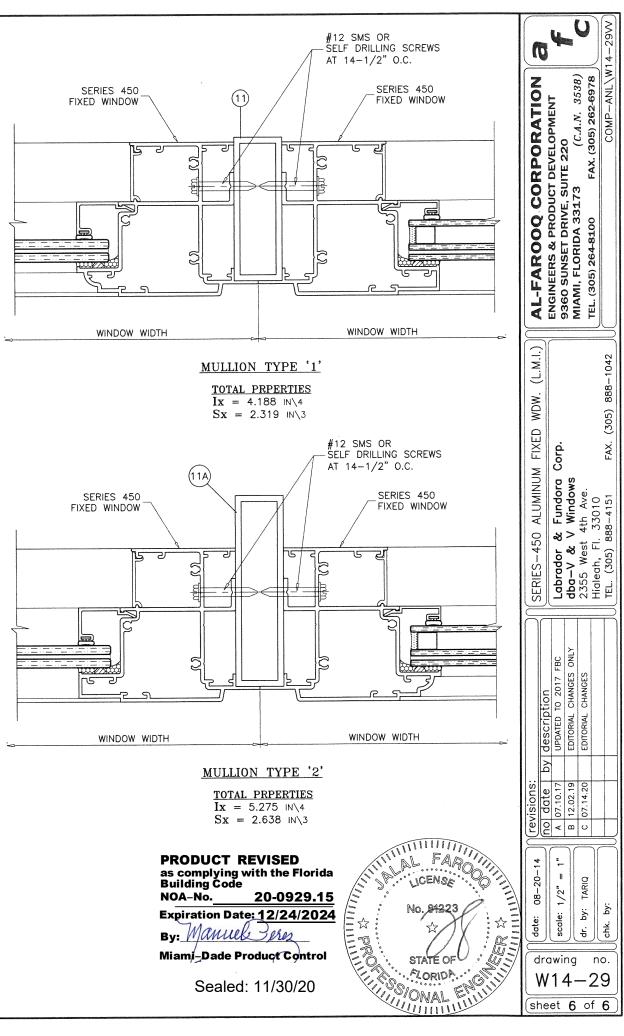
MULLION LOAD CAPACITY - PSF								
		MULLION TYPE		MULLION TYPE				
WINDOW DIMS.		'1'		'2'				
	LENGTH (L)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)			
19-1/8"		85.0	85.0	85.0	85.0			
26-1/2"		85.0	85.0	85.0	85.0			
37"	74-1/4"	85.0	85.0	85.0	85.0			
53-1/8"		85.0	85.0	85.0	85.0			
60"		85.0	85.0	85.0	85.0			
19-1/8"		85.0	85.0	85.0	85.0			
26-1/2"		85.0	85.0	85.0	85.0			
37"	80"	85.0	85.0	85.0	85.0			
53-1/8"		85.0	85.0	85.0	85.0			
60"		82.7	82.7	85.0	85.0			
19-1/8"		85.0	85.0	85.0	85.0			
26-1/2"		85.0	85.0	85.0	85.0			
37"	84"	85.0	85.0	85.0	85.0			
53-1/8"		74.9	74.9	85.0	85.0			
60"		69.7	69.7	85.0	85.0			
18"		85.0	85.0	85.0	85.0			
24"		85.0	85.0	85.0	85.0			
30"		85.0	85.0	85.0	85.0			
36"	70"	85.0	85.0	85.0	85.0			
42"	78"	85.0	85.0	85.0	85.0			
48"		85.0	85.0	85.0	85.0			
54"		85.0	85.0	85.0	85.0			
60"		85.0	85.0	85.0	85.0			
18"	84"	85.0	85.0	85.0	85.0			
24"		85.0	85.0	85.0	85.0			
30"		85.0	85.0	85.0	85.0			
36"		85.0	85.0	85.0	85.0			
42"		85.0	85.0	85.0	85.0			
48"		80.3	80.3	85.0	85.0			
54"		74.2	74.2	85.0	85.0			
60"		69.7	69.7	85.0	85.0			



#### TYPICAL ELEVATIONS SIDE BY SIDE WINDOWS SIDE BY SIDE APPLIES TO TWO OR MORE WINDOWS

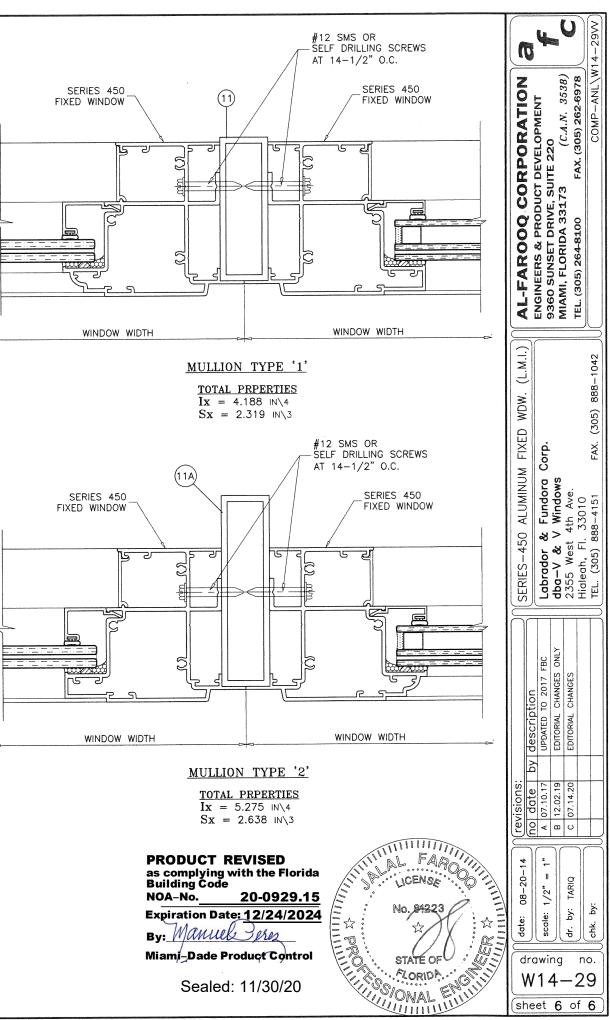
WIDTH (W) =  $\frac{W1 + W2}{2}$ 

## UN-CLIPPED MULLIONS









NOTES:

- 1. USE CHART ON THIS SHEET FOR SIDE BY SIDE CONNECTION CAPACITY OF WINDOW MULLION.
- 2. FOR FIXED WINDOW CAPACITY SEE SHEET 1.
- 3. LOWER VALUES FROM STEPS 1 OR 2 WILL APPLY TO ENTIRE SYSTEM.