



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

**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

[www.miamidadegov/economy](http://www.miamidadegov/economy)

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

**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 "100" Aluminum Single Hung Window - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. W11-38, titled "Series 100 Alum. Single Hung Wdw. (L.M.I.)", sheets 1 through 7 of 7, dated 07/15/11, with revision "C" dated 07/28/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

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

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

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

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

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

This NOA revises and renews NOA No. 11-0907.03 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.



*Javad Ahmad*  
7/29/15

NOA No. 15-0311.02  
Expiration Date: October 20, 2021  
Approval Date: August 27, 2015  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under previous NOA No. 11-0907.03)*
2. Drawing No. W11-38, titled "Series 100 Alum. Single Hung Wdw. (L.M.I.)", sheets 1 through 7 of 7, dated 07/15/11, with revision "C" dated 07/28/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.

**B. TESTS**

1. Test reports on:
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94.
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, Type "A" window, Grade 10, ASTM F 588-07 and per FBC 2411.3.2.1, TAS 202-94along with marked-up drawings and installation diagram of single hung window, prepared by American Test Lab of South Florida, Inc., Test Report No. ATLSF-0913.01-10, dated 07/11/11, signed and sealed by Julio E. Gonzalez, P. E.  
*(Submitted under previous NOA No. 11-0907.03)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 5<sup>th</sup> Edition (2014)**, dated 02/05/15 and revised on 07/31/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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. 14-0916.10 issued to **Kuraray America, Inc.** for their "**Kuraray Butacite® PVB Glass Interlayer**" dated 04/25/15, expiring on 12/11/16.
2. Notice of Acceptance No. 14-0916.11 issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 06/25/15, expiring on 07/04/18.



Manuel Perez, P. E.  
Product Control Examiner  
NOA No. 15-0311.02

Expiration Date: October 20, 2021  
Approval Date: August 27, 2015

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

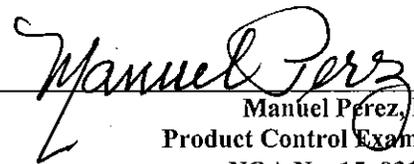
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

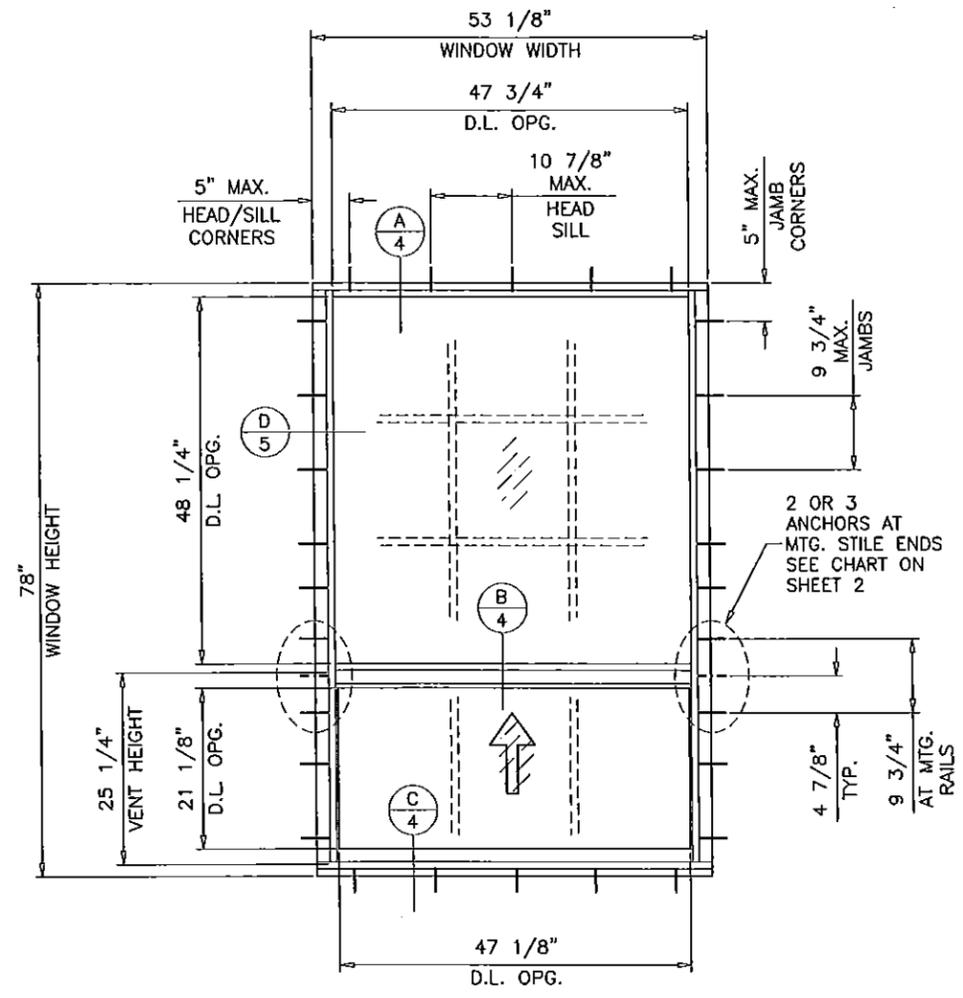
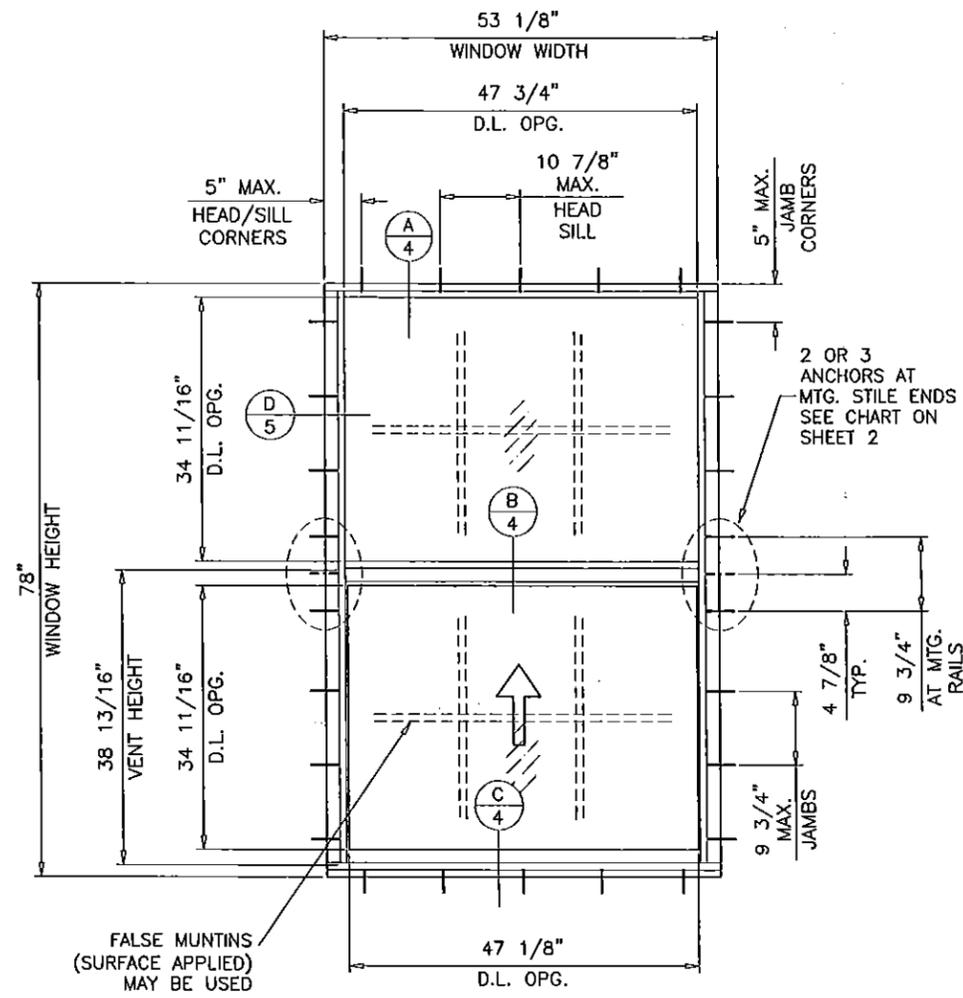
1. Statement letter of conformance, complying with **FBC 5<sup>th</sup> Edition (2014)** and of no financial interest, dated 02/05/15, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.
2. Laboratory compliance letter for Test Report No. **ATLSF-0913.01-10**, issued by American Test Lab of South Florida, Inc., dated 07/11/11, signed and sealed by Julio E. Gonzalez, P. E.  
*(Submitted under previous NOA No. 11-0907.03)*

**G. OTHERS**

1. Notice of Acceptance No. **11-0907.03**, issued to Labrador & Fundora Corp. dba V & V Windows for their Series "100 Aluminum Single Hung Window - L.M.I.", approved on 10/20/11 and expiring on 10/20/16.

  
Manuel Pérez, P. E.  
Product Control Examiner  
NOA No. 15-0311.02

Expiration Date: October 20, 2021  
Approval Date: August 27, 2015



TYPICAL ELEVATIONS

**SERIES 100 ALUMINUM SINGLE HUNG WINDOW**

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 2 & 3.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

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

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE AND ADOPTED STANDARDS.

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

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No **15-0311.02**  
 Expiration Date **10/20/2021**  
 By *Manuel Perez*  
 Miami Dade Product Control

Engr: JAVAD AHMAD  
 CIVIL  
 FLA. PE # 70592  
 C.A.N. 3538  
  
 APR 12 2015

**afc**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 1235 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL (305) 264-8100 FAX (305) 262-6978  
 COMP-ANL\W11-38W

SERIES 100 ALUM SINGLE HUNG WDW. (L.M.I.)  
 Labrador & Fundora Corp.  
 dba-V & V Windows  
 2355 West 4th Ave.  
 Hialeah, FL 33010  
 TEL (305) 888-4151 FAX (305) 888-1042

no	date	by	description
A	10.04.11	REV. PER BNC COMMENTS	
B	02.06.15	UPDATED TO 2014 FBC	
C	07.28.15	REV. PER PER COMMENTS	

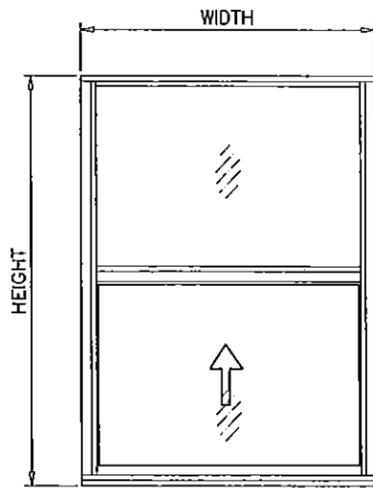
date: 07-15-11  
 scale: 1/2"=1'-0"  
 dr. by: HAMID  
 chk. by:

drawing no.  
**W11-38**  
 sheet 1 of 7

EQUAL LITES WINDOWS							
DESIGN LOAD CAPACITY - PSF 2 ANCHORS AT MTG. STILE ENDS							
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPES 'B' & 'C'		GLASS TYPE 'D'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
19-1/8"	26"	60.0	60.0	75.0	75.0	80.0	120.0
26-1/2"		60.0	60.0	75.0	75.0	80.0	120.0
37"		60.0	60.0	75.0	75.0	80.0	120.0
42"		60.0	60.0	75.0	75.0	80.0	120.0
48"		60.0	60.0	75.0	75.0	80.0	120.0
53-1/8"		60.0	60.0	75.0	75.0	80.0	120.0
19-1/8"	38-3/8"	60.0	60.0	75.0	75.0	80.0	120.0
26-1/2"		60.0	60.0	75.0	75.0	80.0	120.0
37"		60.0	60.0	75.0	75.0	80.0	120.0
42"		60.0	60.0	75.0	75.0	80.0	120.0
48"		60.0	60.0	75.0	75.0	80.0	120.0
53-1/8"		60.0	60.0	75.0	75.0	80.0	120.0
19-1/8"	50-5/8"	60.0	60.0	75.0	75.0	80.0	120.0
26-1/2"		60.0	60.0	75.0	75.0	80.0	120.0
37"		60.0	60.0	75.0	75.0	80.0	120.0
42"		60.0	60.0	75.0	75.0	80.0	120.0
48"		60.0	60.0	75.0	75.0	80.0	120.0
53-1/8"		60.0	60.0	75.0	75.0	80.0	116.1
19-1/8"	58"	60.0	60.0	75.0	75.0	80.0	120.0
26-1/2"		60.0	60.0	75.0	75.0	80.0	120.0
37"		60.0	60.0	75.0	75.0	80.0	120.0
42"		60.0	60.0	75.0	75.0	80.0	120.0
48"		60.0	60.0	75.0	75.0	80.0	120.0
53-1/8"		60.0	60.0	75.0	75.0	80.0	106.7
19-1/8"	60"	60.0	60.0	75.0	75.0	80.0	120.0
26-1/2"		60.0	60.0	75.0	75.0	80.0	120.0
37"		60.0	60.0	75.0	75.0	80.0	120.0
42"		60.0	60.0	75.0	75.0	80.0	120.0
48"		60.0	60.0	75.0	75.0	80.0	120.0
53-1/8"		60.0	60.0	75.0	75.0	80.0	104.6
19-1/8"	63"	60.0	60.0	75.0	75.0	80.0	120.0
26-1/2"		60.0	60.0	75.0	75.0	80.0	120.0
37"		60.0	60.0	75.0	75.0	80.0	120.0
42"		60.0	60.0	75.0	75.0	80.0	120.0
48"		60.0	60.0	75.0	75.0	80.0	120.0
53-1/8"		60.0	60.0	75.0	75.0	80.0	101.9
19-1/8"	72"	60.0	60.0	75.0	75.0	80.0	120.0
26-1/2"		60.0	60.0	75.0	75.0	80.0	120.0
37"		60.0	60.0	75.0	75.0	80.0	120.0
42"		60.0	60.0	75.0	75.0	80.0	120.0
48"		-	-	75.0	75.0	80.0	114.0
53-1/8"		-	-	75.0	75.0	80.0	95.5
19-1/8"	74-1/4"	60.0	60.0	75.0	75.0	80.0	120.0
26-1/2"		60.0	60.0	75.0	75.0	80.0	120.0
37"		60.0	60.0	75.0	75.0	80.0	120.0
42"		60.0	60.0	75.0	75.0	80.0	120.0
48"		-	-	75.0	75.0	80.0	113.0
53-1/8"		-	-	75.0	75.0	80.0	94.3
19-1/8"	78"	60.0	60.0	75.0	75.0	80.0	120.0
26-1/2"		60.0	60.0	75.0	75.0	80.0	120.0
37"		60.0	60.0	75.0	75.0	80.0	120.0
42"		60.0	60.0	75.0	75.0	80.0	120.0
48"		-	-	75.0	75.0	80.0	111.6
53-1/8"		-	-	75.0	75.0	80.0	92.6

EQUAL LITES WINDOWS			
DESIGN LOAD CAPACITY - PSF 3 ANCHORS AT MTG. STILE ENDS			
WINDOW DIMS.		GLASS TYPE 'D'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
19-1/8"	26"	-	-
26-1/2"		-	-
37"		-	-
42"		-	-
48"		-	-
53-1/8"		-	-
19-1/8"	38-3/8"	-	-
26-1/2"		-	-
37"		-	-
42"		-	-
48"		-	-
53-1/8"		-	-
19-1/8"	50-5/8"	-	-
26-1/2"		-	-
37"		-	-
42"		-	-
48"		-	-
53-1/8"		80.0	120.0
19-1/8"	58"	-	-
26-1/2"		-	-
37"		-	-
42"		-	-
48"		-	-
53-1/8"		80.0	120.0
19-1/8"	60"	-	-
26-1/2"		-	-
37"		-	-
42"		-	-
48"		-	-
53-1/8"		80.0	120.0
19-1/8"	63"	-	-
26-1/2"		-	-
37"		-	-
42"		-	-
48"		-	-
53-1/8"		80.0	120.0
19-1/8"	72"	-	-
26-1/2"		-	-
37"		-	-
42"		-	-
48"		-	-
53-1/8"		80.0	120.0
19-1/8"	74-1/4"	-	-
26-1/2"		-	-
37"		-	-
42"		-	-
48"		-	-
53-1/8"		80.0	120.0
19-1/8"	78"	-	-
26-1/2"		-	-
37"		-	-
42"		-	-
48"		-	-
53-1/8"		80.0	120.0

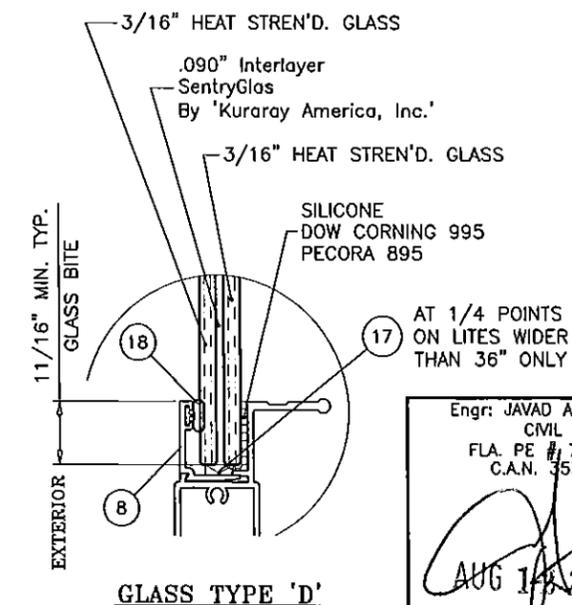
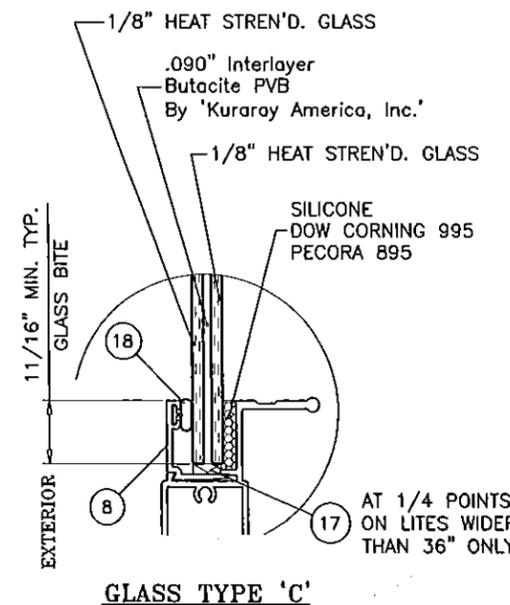
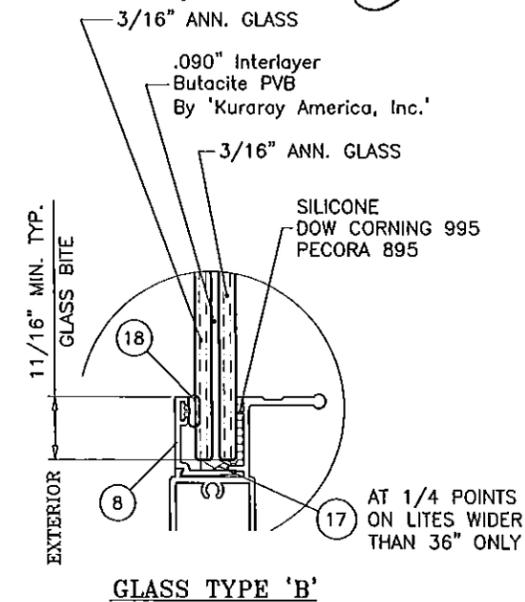
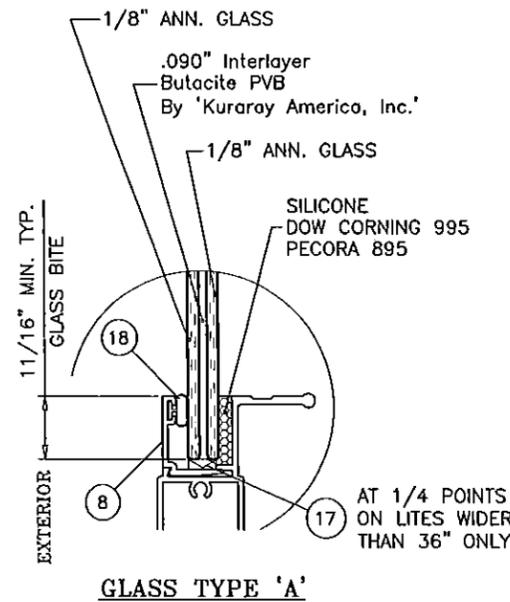
\* NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.



EQUAL LITES

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **15-0311.02**  
Expiration Date **10/22/2021**  
By *Manuel Perez*  
Miami Dade Product Control



GLAZING OPTIONS

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538  
AUG 14 2015

**afC**

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-9400 FAX. (305) 262-6978  
COMP-ANL\W11-38V

SERIES 100 ALUM SINGLE HUNG WDW. (L.M.I.)  
Labrador & Fundora Corp.  
dba-V & V Windows  
2355 West 4th Ave.  
Hialeah, FL 33010  
TEL. (305) 888-4151 FAX. (305) 888-1042

no	date	description
A	10.04.11	NO CHANGE THIS SHEET
B	02.06.15	UPDATED TO 2014 FBC
C	07.28.15	REV. PER RER COMMENTS

date: 07-15-11  
scale: -  
dr. by: HAMID  
chk. by:

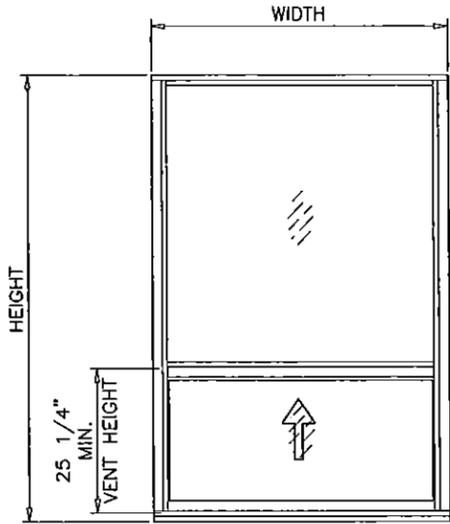
drawing no.  
**W11-38**

sheet 2 of 7

UNEQUAL LITES WINDOWS							
DESIGN LOAD CAPACITY - PSF 2 ANCHORS AT MTG. STILE ENDS							
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPES 'B' & 'C'		GLASS TYPE 'D'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
19-1/8"	50-5/8" (6)	60.0	60.0	75.0	75.0	80.0	120.0
26-1/2"		60.0	60.0	75.0	75.0	80.0	120.0
37"		60.0	60.0	75.0	75.0	80.0	120.0
42"		60.0	60.0	75.0	75.0	80.0	120.0
48"		60.0	60.0	75.0	75.0	80.0	120.0
53-1/8"		60.0	60.0	75.0	75.0	80.0	116.1
19-1/8"	58" (6)	60.0	60.0	75.0	75.0	80.0	120.0
26-1/2"		60.0	60.0	75.0	75.0	80.0	120.0
37"		60.0	60.0	75.0	75.0	80.0	120.0
42"		60.0	60.0	75.0	75.0	80.0	120.0
48"		60.0	60.0	75.0	75.0	80.0	120.0
53-1/8"		-	-	75.0	75.0	80.0	107.4
19-1/8"	60" (7)	60.0	60.0	75.0	75.0	80.0	120.0
26-1/2"		60.0	60.0	75.0	75.0	80.0	120.0
37"		60.0	60.0	75.0	75.0	80.0	120.0
42"		60.0	60.0	75.0	75.0	80.0	120.0
48"		-	-	75.0	75.0	80.0	120.0
53-1/8"		-	-	75.0	75.0	80.0	105.8
19-1/8"	63" (7)	60.0	60.0	75.0	75.0	80.0	120.0
26-1/2"		60.0	60.0	75.0	75.0	80.0	120.0
37"		60.0	60.0	75.0	75.0	80.0	120.0
42"		60.0	60.0	75.0	75.0	80.0	120.0
48"		-	-	75.0	75.0	80.0	120.0
53-1/8"		-	-	75.0	75.0	80.0	103.8
19-1/8"	72" (8)	60.0	60.0	75.0	75.0	80.0	120.0
26-1/2"		60.0	60.0	75.0	75.0	80.0	120.0
37"		-	-	75.0	75.0	80.0	120.0
42"		-	-	75.0	75.0	80.0	120.0
48"		-	-	-	-	80.0	120.0
53-1/8"		-	-	-	-	80.0	100.6
19-1/8"	74-1/4" (8)	60.0	60.0	75.0	75.0	80.0	120.0
26-1/2"		60.0	60.0	75.0	75.0	80.0	120.0
37"		-	-	75.0	75.0	80.0	120.0
42"		-	-	75.0	75.0	80.0	120.0
48"		-	-	-	-	80.0	120.0
53-1/8"		-	-	-	-	80.0	100.4
19-1/8"	78" (8)	60.0	60.0	75.0	75.0	80.0	120.0
26-1/2"		60.0	60.0	75.0	75.0	80.0	120.0
37"		-	-	75.0	75.0	80.0	120.0
42"		-	-	-	-	80.0	120.0
48"		-	-	-	-	80.0	120.0
53-1/8"		-	-	-	-	80.0	100.4

UNEQUAL LITES WINDOWS			
DESIGN LOAD CAPACITY - PSF 3 ANCHORS AT MTG. STILE ENDS			
WINDOW DIMS.		GLASS TYPE 'D'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
19-1/8"	50-5/8" (6)	-	-
26-1/2"		-	-
37"		-	-
42"		-	-
48"		-	-
53-1/8"		80.0	120.0
19-1/8"	58" (6)	-	-
26-1/2"		-	-
37"		-	-
42"		-	-
48"		-	-
53-1/8"		80.0	120.0
19-1/8"	60" (7)	-	-
26-1/2"		-	-
37"		-	-
42"		-	-
48"		-	-
53-1/8"		80.0	120.0
19-1/8"	63" (7)	-	-
26-1/2"		-	-
37"		-	-
42"		-	-
48"		-	-
53-1/8"		80.0	120.0
19-1/8"	72" (8)	-	-
26-1/2"		-	-
37"		-	-
42"		-	-
48"		-	-
53-1/8"		80.0	120.0
19-1/8"	74-1/4" (8)	-	-
26-1/2"		-	-
37"		-	-
42"		-	-
48"		-	-
53-1/8"		80.0	120.0
19-1/8"	78" (8)	-	-
26-1/2"		-	-
37"		-	-
42"		-	-
48"		-	-
53-1/8"		80.0	120.0

\* NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.



UNEQUAL LITES (ORIEL TYPE)

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0311.02  
Expiration Date 10/20/2021  
By *Manuel S. S.*  
Miami Dade Product Control

Engr: JAVAD AHMAD  
CML  
FLA. PE # 70592  
C.A.N. 3538  
12 2015

**af c**

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX (305) 262-6978  
COMP-ANL\W11-38V

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SERIES 100 ALUM SINGLE HUNG WDW. (L.M.I.)

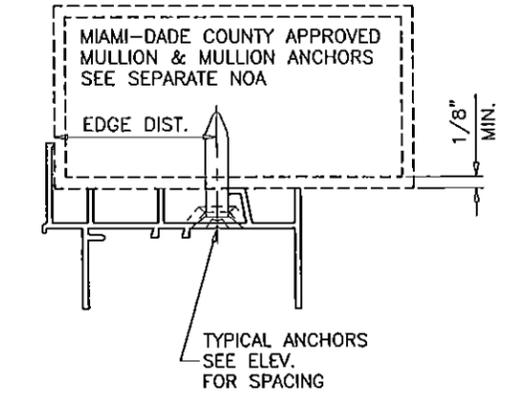
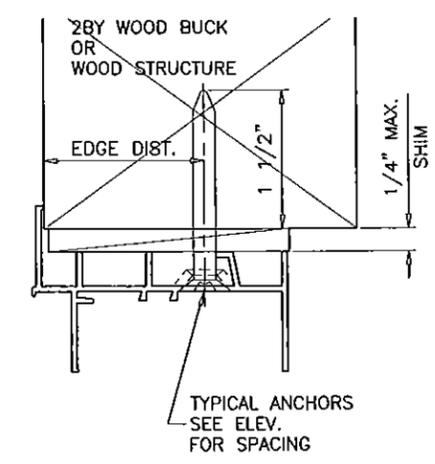
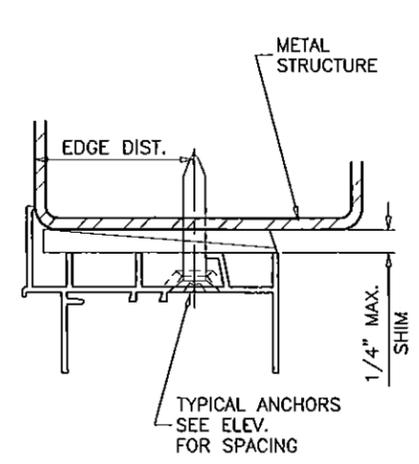
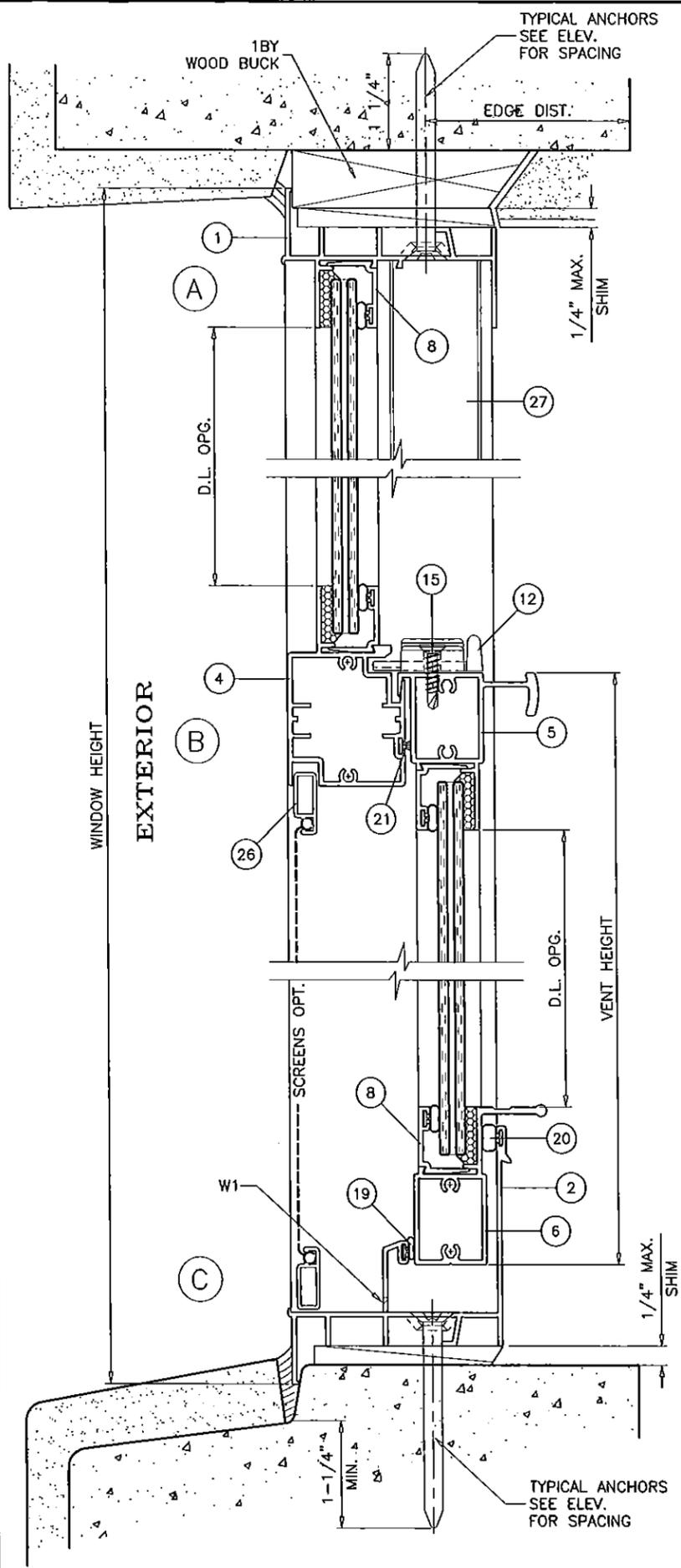
Labrador & Fundora Corp.  
dba-V & V Windows  
2355 West 4th Ave.  
Hialeah, Fl. 33010  
TEL. (305) 888-4151 FAX. (305) 888-1042

no	date	description
A	10.04.11	NO CHANGE THIS SHEET
B	02.06.15	UPDATED TO 2014 FBC
C	07.28.15	REV. PER RER COMMENTS

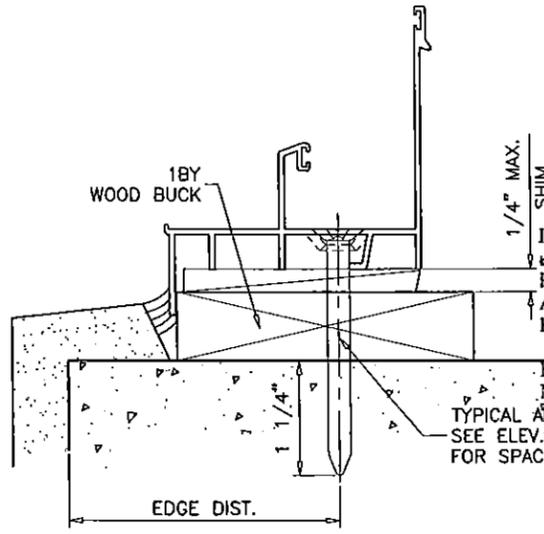
date: 07-15-11  
scale: -  
dr. by: HAMID  
chk. by:

drawing no.  
**W11-38**

sheet 3 of 7



WOOD BUCKS AND METAL STRUCTURE NOT BY V & V WDW. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 15-0311.02  
 Expiration Date 10/20/2021  
 By *Manuel Perez*  
 Miami Dade Product Control

Engr: JAVAD AHMAD  
 CIVIL  
 FLA. PE # 70592  
 C.A.M. 3538  
 AUG 12 2015

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING  
 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)  
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)  
 THRU 1BY BUCKS INTO CONC. OR MASONRY  
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)  
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)  
 DIRECTLY INTO CONC. OR MASONRY  
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)  
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)  
**#14 SMS OR SELF DRILLING SCREWS**  
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")  
 INTO METAL STRUCTURES  
 STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.)  
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)  
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)  
**TYPICAL EDGE DISTANCE**  
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.  
 INTO WOOD STRUCTURE = 1" MIN.  
 INTO METAL STRUCTURE = 3/4" MIN.  
 WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.  
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.  
 C-90 HOLLOW/FILLED NORMAL WEIGHT BLOCK AT JAMBS f'm = 2000 PSI MIN.

**WEEPHOLES:**  
 W1 = 3/16" X 3/4" WEEP SLOT AT 1-3/8" FROM EACH END

**SEALANT:**  
 ALL FRAME AND VENT CORNERS, INSTALLATION SCREWS AT SILL AND ALL METAL PARTS CONNECTIONS SEALED WITH PTI SILICONE.

**a f c**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 1235 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL\W11-38W

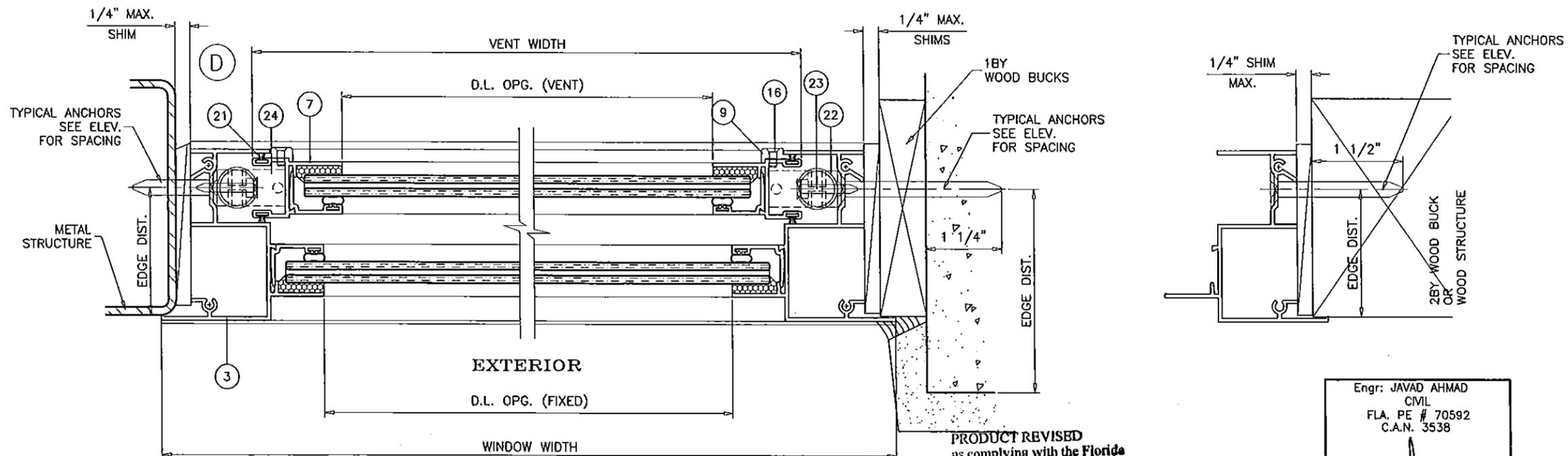
SERIES 100 ALUM SINGLE HUNG WDW. (L.M.I.)  
 Labrador & Fundora Corp.  
 dba-V & V Windows  
 2355 West 4th Ave.  
 Hialeah, FL 33010  
 TEL. (305) 888-4151 FAX. (305) 888-1042

no	date	description
A	10.04.11	REV. PER BNC COMMENTS
B	02.06.15	UPDATED TO 2014 FBC
C	07.28.15	REV. PER PER COMMENTS

revisions:  
 date: 07-15-11  
 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no.  
**W11-38**  
 Sheet 4 of 7

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	V101	1	FRAME HEAD	6063-T6	--
2	V102	1	FRAME SILL	6063-T6	--
3	V103	2	FRAME JAMB	6063-T6	--
4	V104	1/ VENT	FIXED MTG. RAIL	6063-T6	--
5	V105	1/ VENT	VENT TOP RAIL	6063-T6	--
6	V106	1/ VENT	VENT BOTTOM RAIL	6063-T6	--
7	V107	2/ VENT	VENT SIDE RAIL	6063-T6	--
8	V108	AS REQD.	GLAZING BEAD	6063-T6	--
9	V109	4	SASH GUIDE	NYLON	--
10A	-	AS REQD.	1X4 STD. MULLION	6063-T6	--
10B	-	AS REQD.	1X4 CUSTOM MULLION	6063-T6	--
12	SL203	2/ VENT	SWEEP LATCH	-	SULLIVAN & ASSOC.
13	#8 X 1-1/4"	AS REQD.	FRAME/VENT ASSEMBLY SCREWS	-	PH SMS
14	#8 X 1/2"	2	BOTTOM RAIL LOWER SCREW	-	PH SMS
15	#8 X 1/2"	2	LATCH INSTALLATION SCREW	-	OH SMS
16	#6 X 1"	4	SASH GUIDE INSTALLATION SCREW	-	OH SMS
17	-	2/ LITE	SETTING BLOCKS	EPDM	DUROMETER 80±5 SHORE A
18	9146QU	AS REQD.	GLAZING BEAD BULB	NEOPRENE	ULTRAFAB, DUAL DUROMETER, T-SLOT=50, BULB=73
19	9146QU	AS REQD.	BULB SEAL	NEOPRENE	ULTRAFAB, DUAL DUROMETER, T-SLOT=50, BULB=73
20	-	AS REQD.	FRAME SILL W'STRIPPING	NEOPRENE	-
21	W222122G	AS REQD.	FIN SEAL W'STRIPPING	WOOL	ULTRAFAB
22	-	2	SUPERBOOST BALANCES	-	BALANCE SYSTEMS INC.
23	#10 X 1"	1/ BALANCE	BALANCE MOUNTING SCREWS	-	FH SMS
24	-	1/ BALANCE	BALANCE CONNECTING CLIP	-	-
25	#8 X 1/2"	2/ BALANCE	CONNECTING CLIP SCREWS	-	OH SMS
26	-	AS REQD.	5/16" BOX SCREEN	-	OPTIONAL
27	2/ WDW.	AS REQD.	SASH STOP (3" LONG)	RIGID PVC	-



PRODUCT REVISED  
as complying with the Florida  
Building Code **15-0311.02**  
Acceptance No. **1012012021**  
Expiration Date **10/20/2021**  
By *Manuel Perez*  
Miami Dade Product Control

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538  
AUG 2 2021

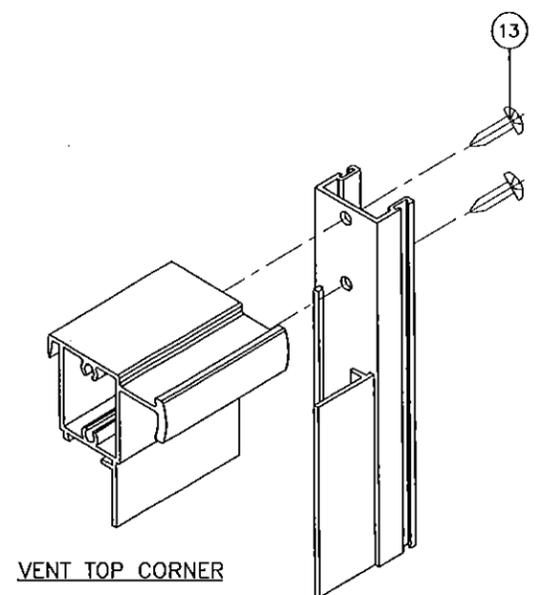
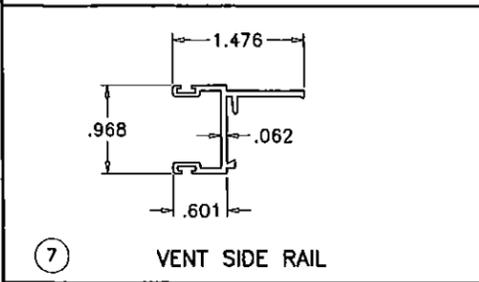
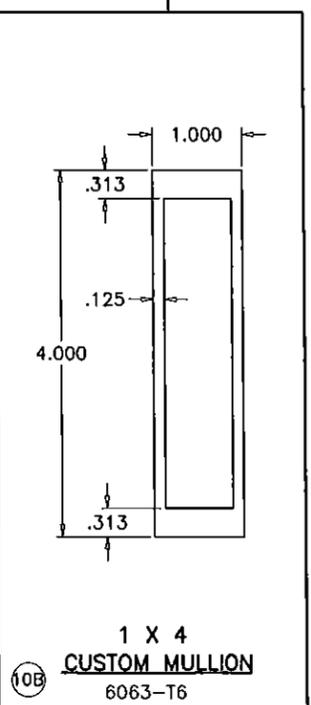
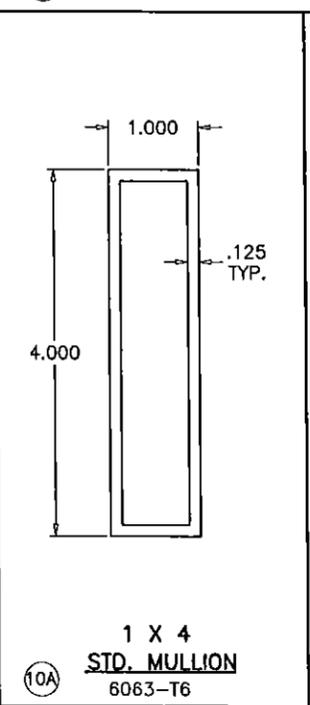
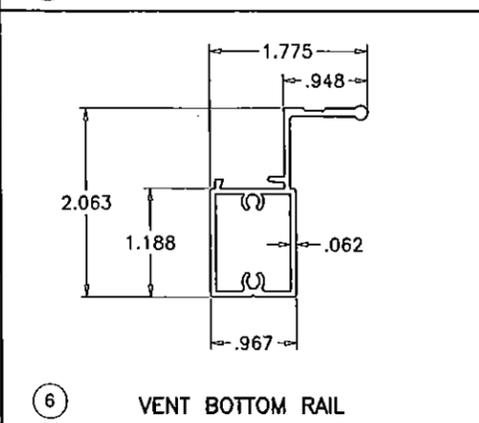
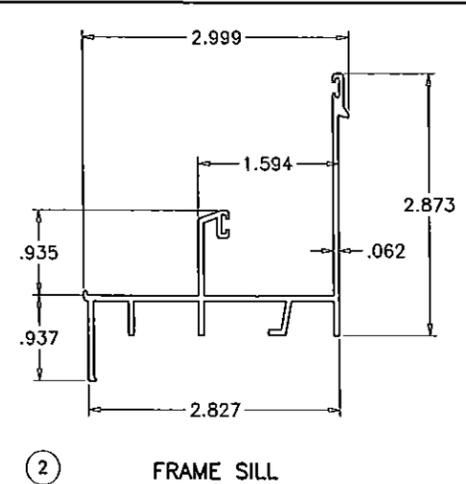
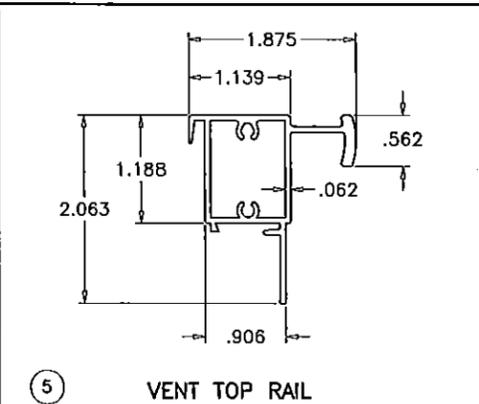
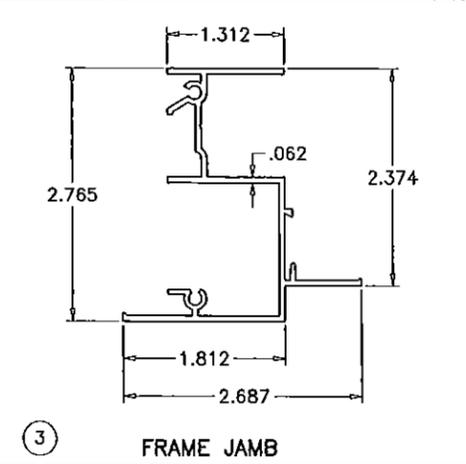
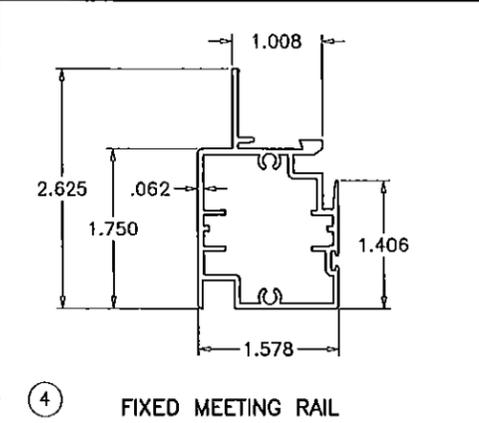
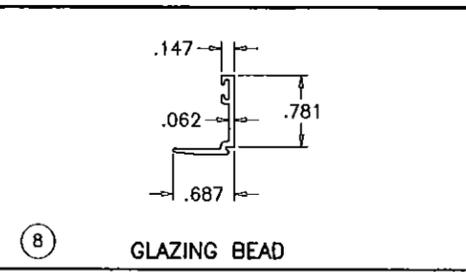
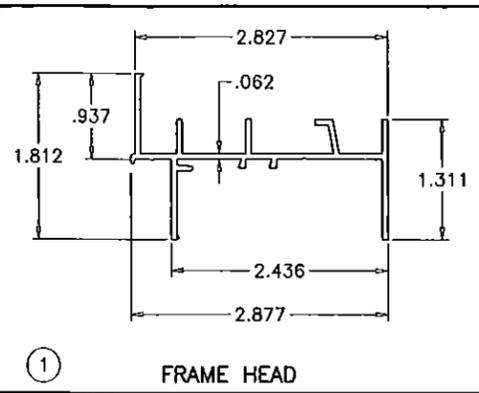
**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL (305) 264-8100 FAX (305) 262-6978  
COMP-ANL\W11-38V

SERIES 100 ALUM SINGLE HUNG WDW. (L.M.I.)  
Labrador & Fundora Corp.  
dba-V & V Windows  
2355 West 4th Ave.  
Hialeah, FL 33010  
TEL (305) 888-4151 FAX (305) 888-1042

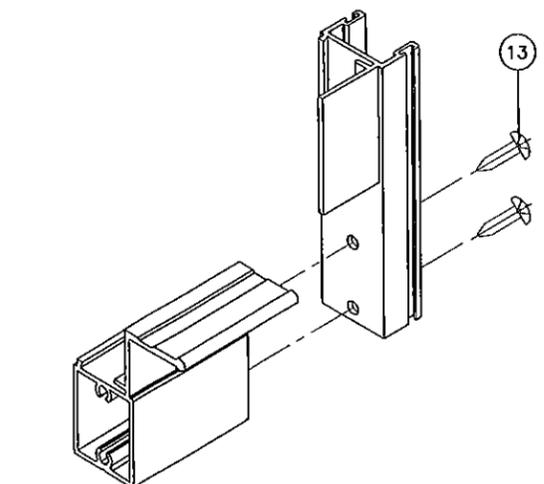
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B	02.06.15	UPDATED TO 2014 FBC	
C	07.28.15	NO CHANGE THIS SHEET	

date: 07-15-11  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

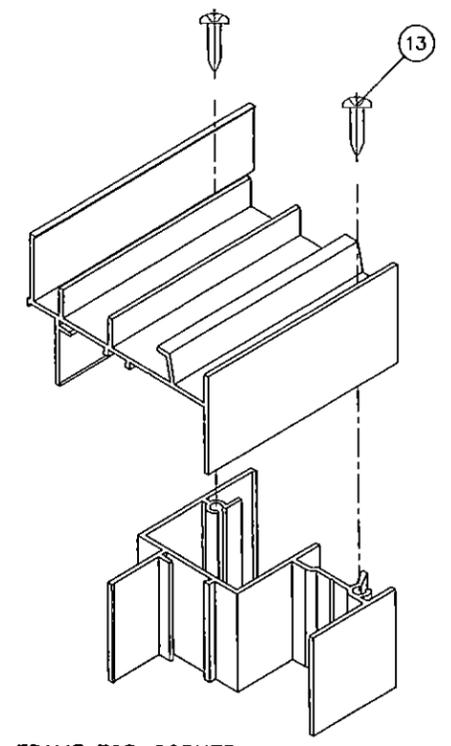
drawing no.  
**W11-38**  
sheet 5 of 7



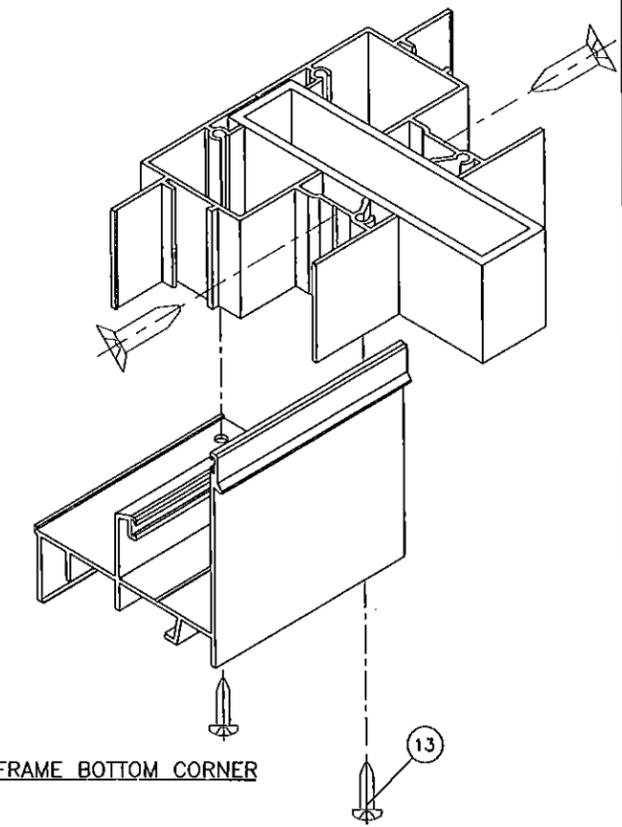
VENT TOP CORNER



VENT BOTTOM CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. **15-0311.02**  
 Expiration Date **10/22/2021**  
 By *Manuel Perez*  
 Miami Dade Product Control

Engr: JAVAD AHMAD  
 CIVIL  
 FLA. PE # 70592  
 C.A.N. 3538  
*AUG 2 2015*

**af c**

**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 1235 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL (305) 264-8100 FAX (305) 262-6978  
 COMP-ANL\W11-38V

SERIES 100 ALUM SINGLE HUNG WDW. (L.M.I.)

Labrador & Fundora Corp.  
 dba-V & V Windows  
 2355 West 4th Ave.  
 Hialeah, FL 33010  
 TEL (305) 888-4151 FAX (305) 888-1042

no	date	by	description
A	10.04.11	REV. PER BNC COMMENTS	NO CHANGE THIS SHEET
B	02.08.15	REV. PER PER COMMENTS	
C	07.28.15	REV. PER PER COMMENTS	

date: 07-15-11  
 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no.  
**W11-38**

sheet 6 of 7

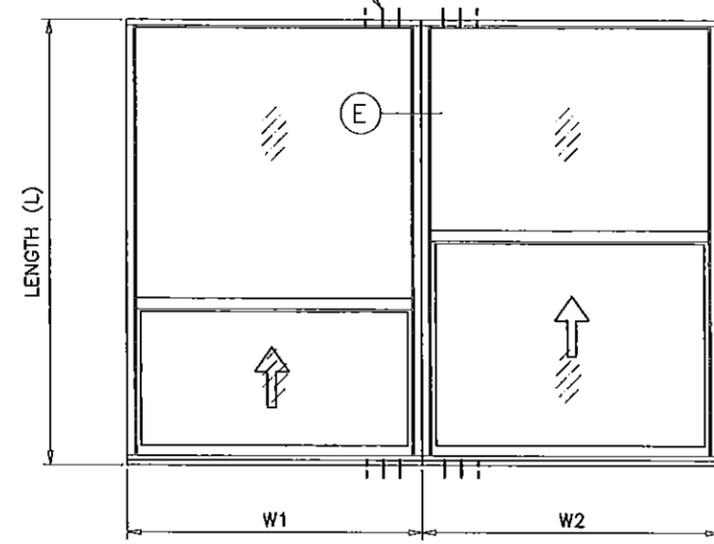
MULLION LOAD CAPACITY - PSF					
WINDOW DIMS.		2 ANCHORS AT EACH SIDE OF MULL		3 ANCHORS AT EACH SIDE OF MULL	
		1 X 4 STD. MULL	1 X 4 CUSTOM MULL	1 X 4 STD. MULL	1 X 4 CUSTOM MULL
WIDTH (W)	LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
19-1/8"	50-5/8"	120.0	120.0	120.0	120.0
26-1/2"		120.0	120.0	120.0	120.0
37"		120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0
53-1/8"		120.0	120.0	120.0	120.0
19-1/8"	58"	120.0	120.0	120.0	120.0
26-1/2"		120.0	120.0	120.0	120.0
37"		120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0
53-1/8"		120.0	120.0	120.0	120.0
19-1/8"	60"	120.0	120.0	120.0	120.0
26-1/2"		120.0	120.0	120.0	120.0
37"		120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0
53-1/8"		116.7	116.7	120.0	120.0
19-1/8"	63"	120.0	120.0	120.0	120.0
26-1/2"		120.0	120.0	120.0	120.0
37"		120.0	120.0	120.0	120.0
42"		117.6	117.6	120.0	120.0
48"		110.8	110.8	120.0	120.0
53-1/8"		107.1	107.1	120.0	120.0
19-1/8"	72"	120.0	120.0	120.0	120.0
26-1/2"		120.0	120.0	120.0	120.0
37"		104.8	104.8	120.0	120.0
42"		96.8	96.8	120.0	120.0
48"		90.0	90.0	120.0	120.0
53-1/8"		85.9	85.9	117.9	120.0
19-1/8"	74-1/4"	120.0	120.0	120.0	120.0
26-1/2"		120.0	120.0	120.0	120.0
37"		100.5	100.5	120.0	120.0
42"		92.7	92.7	120.0	120.0
48"		86.0	86.0	116.6	120.0
53-1/8"		81.9	81.9	109.4	120.0
19-1/8"	78"	120.0	120.0	120.0	120.0
26-1/2"		120.0	120.0	120.0	120.0
37"		94.2	94.2	120.0	120.0
42"		86.6	86.6	111.2	120.0
48"		80.0	80.0	101.1	120.0
53-1/8"		75.9	75.9	94.9	113.8

**NOTES:**

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

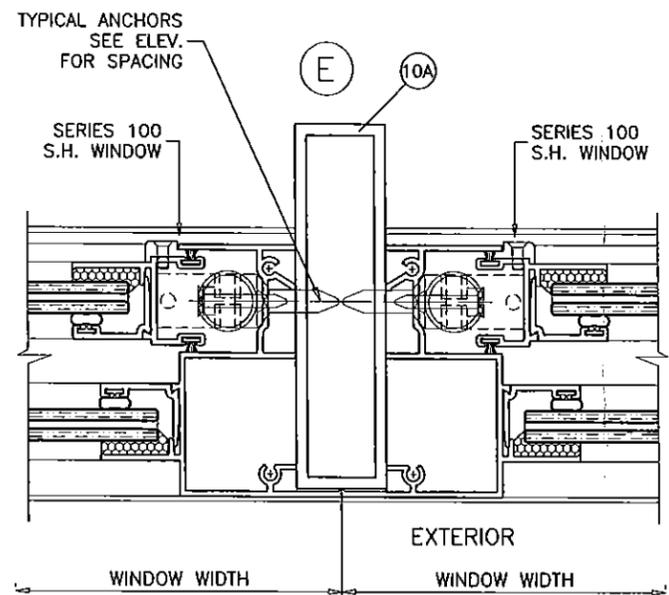
**UN-CLIPPED MULLIONS**

2 OR 3 ANCHORS  
AT EACH SIDE OF MULLION  
SEE CHART FOR CAPACITY



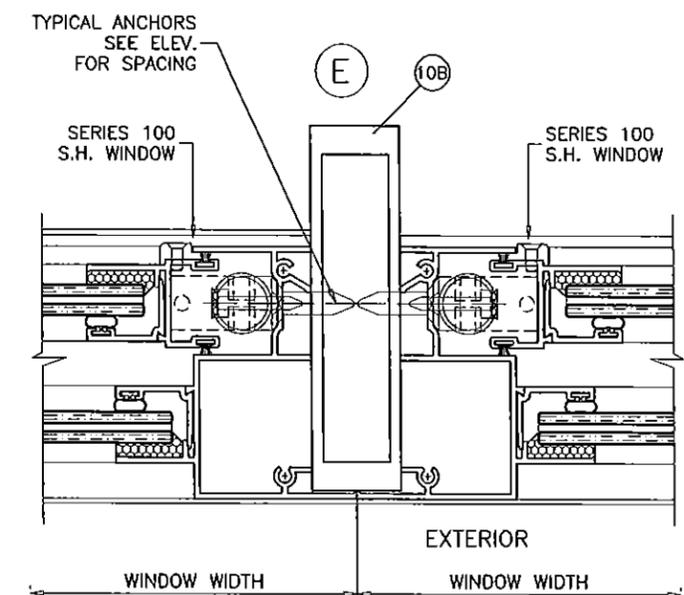
**TYPICAL ELEVATION**  
SIDE BY SIDE WINDOWS  
SIDE BY SIDE APPLIES TO TWO OR MORE WINDOWS

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



**1X4 STD. MULLION**

**TOTAL PROPERTIES**  
Ix = 3.2036 IN<sup>4</sup>  
Sx = 1.6018 IN<sup>3</sup>



**1X4 CUSTOM MULLION**

**TOTAL PROPERTIES**  
Ix = 4.0996 IN<sup>4</sup>  
Sx = 2.0498 IN<sup>3</sup>

**afC**  
**AL-FAROOQ CORPORATION**  
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NO.	DATE	DESCRIPTION
A	10.04.11	REV. PER BNC COMMENTS
B	02.06.15	UPDATED TO 2014 FBC
C	07.28.15	NO CHANGE THIS SHEET

date:	07-15-11
scale:	1/2" = 1"
dr. by:	HAMID
chk. by:	

drawing no.  
**W11-38**  
sheet 7 of 7

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **15-0311.02**  
Expiration Date **10/20/2021**  
By *Manuel*  
Miami Dade Product Control

Engr: JAVAD AHMAD  
CML  
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C.A.N. 3538  
**AUG 12 2015**