



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
 METRO-DADE FLAGLER BUILDING
 140 WEST FLAGLER STREET, SUITE 1603
 MIAMI, FLORIDA 33130-1563
 (305) 375-2901 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Labrador & Fundora Corp. dba V & V Windows
 2355 W 4th Ave.
 Hialeah, FL 33010

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 "1100" Aluminum Single Hung Window – N.I.

APPROVAL DOCUMENT: Drawing No. **W99-23**, titled "Series 1100 Alum Single Hung Wdw. (N.I.)", dated 03/26/99 with revision D dated 05/17/10, sheets 1 through 4 of 4, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 Division.

MISSILE IMPACT RATING: None. - Approved Hurricane Protection System, complying with FBC as applicable zone is required for installation of the units.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 # 05-1021.02** and consists of this page 1 and Evidence page E-1, as well as approval document mentioned above.

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

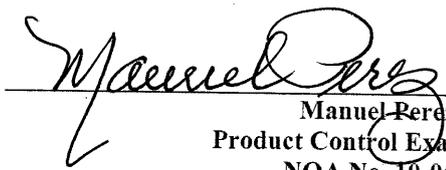


NOA No. 10-0621.04
 Expiration Date: January 05, 2016
 Approval Date: October 20, 2010
 Page 1

Labrador & Fundora Corp. dba V & V Windows

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

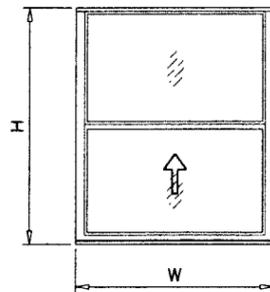
- A. DRAWINGS**
1. Manufacturer's die drawings and sections.
 2. Drawing No. **W99-23**, titled "Series 1100 Alum Single Hung Wdw. (N.I.)", sheets 1 through 4 of 4, dated 03/26/99 with revision D dated 05/17/10, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
- B. TESTS**
1. 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) Forced Entry Resistant test per TAS202-94 & AAMA 1302.5
along with marked-up drawings and installation diagram of aluminum single hung windows, prepared by American Test Lab of South Florida. Test Report No. **ATLSF-0408.01-05**, dated September 27, 2005, signed and sealed by William R. Mehner, P.E. & Henry Hattem, P. E.
(Submitted under previous NOA# 05-1021.02)
- C. CALCULATIONS**
1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 05/12/10, prepared, signed and sealed by Javad Ahmad, P.E.
Complies with ASTM E1300-04
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO).
- E. MATERIAL CERTIFICATIONS**
1. None.
- F. STATEMENTS**
1. Statement letter of conformance and no financial interest, dated May 18, 2010, signed and sealed by Javad Ahmad, P.E.
- G. OTHERS**
1. Notice of Acceptance No. **05-1021.02**, issued to Labrador & Fundora dba V & V Windows for their Series 1100 Aluminum Single Hung Window – N.I., approved on 01/05/06 and expiring on 01/05/11.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 10-0621.04
Expiration Date: January 05, 2016
Approval Date: October 20, 2010

EQUAL LITES WINDOWS DESIGN LOAD CAPACITY - PSF						
WINDOW DIMS.		3/16" ANN. GLASS		3/16" TEMP. GLASS		
WIDTH (W)	HEIGHT (H)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
19-1/8"	26"	65.0	125.0	65.0	210.0	
26-1/2"		65.0	125.0	65.0	210.0	
37"		(3)	65.0	125.0	65.0	210.0
42"		65.0	125.0	65.0	180.7	
48"		65.0	118.9	65.0	154.6	
53-1/8"		65.0	105.8	65.0	137.6	
19-1/8"	38-3/8"	65.0	125.0	65.0	210.0	
26-1/2"		65.0	125.0	65.0	210.0	
37"		(4)	65.0	122.0	65.0	158.6
42"		65.0	103.2	65.0	134.1	
48"		65.0	87.1	65.0	113.2	
53-1/8"		65.0	76.8	65.0	99.9	
19-1/8"	50-5/8"	65.0	125.0	65.0	210.0	
26-1/2"		65.0	125.0	65.0	210.0	
37"		(5)	65.0	104.1	65.0	135.4
42"		65.0	86.4	65.0	112.3	
48"		65.0	71.7	65.0	93.2	
53-1/8"		62.6	62.6	65.0	81.4	
19-1/8"	60"	65.0	125.0	65.0	210.0	
26-1/2"		65.0	125.0	65.0	210.0	
37"		(6)	65.0	97.2	65.0	126.4
42"		65.0	79.2	65.0	103.0	
48"		64.8	64.8	65.0	84.2	
53-1/8"		56.1	56.1	65.0	72.9	
19-1/8"	63"	65.0	125.0	65.0	210.0	
26-1/2"		65.0	125.0	65.0	210.0	
37"		(6)	65.0	95.8	65.0	124.6
42"		65.0	77.6	65.0	100.9	
48"		63.2	63.2	65.0	82.1	
53-1/8"		54.5	54.5	65.0	70.8	
19-1/8"	74-1/4"	65.0	125.0	65.0	210.0	
26-1/2"		65.0	113.8	65.0	210.0	
37"		(7)	65.0	82.0	65.0	121.8
42"		65.0	73.7	65.0	95.9	
48"		58.7	58.7	65.0	76.3	
53-1/8"		50.0	50.0	65.0	65.0	

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

DLO: EQUAL LITES
DLO HT. = WDW. HT/2 - 3.625
DLO W = WDW. W - 3.625

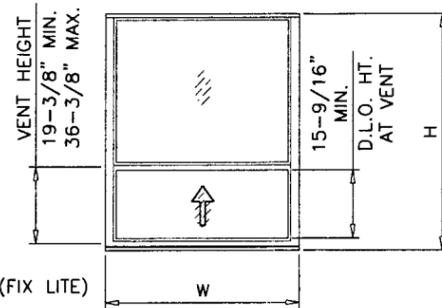


EQUAL LITES

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

UNEQUAL LITES (ORIEL TYPES) WINDOWS DESIGN LOAD CAPACITY - PSF						
WINDOW DIMS.		3/16" ANN. GLASS		3/16" TEMP. GLASS		
WIDTH (W)	HEIGHT (H)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
19-1/8"	50-5/8"	65.0	125.0	65.0	210.0	
26-1/2"		65.0	125.0	65.0	210.0	
37"		(5)	65.0	97.9	65.0	139.6
42"		65.0	85.5	65.0	115.2	
48"		65.0	72.3	65.0	95.2	
53-1/8"		63.1	63.1	65.0	82.9	
19-1/8"	60"	65.0	125.0	65.0	210.0	
26-1/2"		65.0	101.1	65.0	210.0	
37"		(6)	65.0	76.8	65.0	137.8
42"		65.0	67.8	65.0	111.0	
48"		61.4	61.4	65.0	89.5	
19-1/8"	63"	65.0	125.0	65.0	210.0	
26-1/2"		65.0	92.3	65.0	210.0	
37"		(6)	65.0	72.2	65.0	137.8
42"		64.0	64.0	65.0	110.9	
19-1/8"		74-1/4"	65.0	125.0	65.0	210.0
26-1/2"	(7)	65.0	70.3	65.0	210.0	

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



UNEQUAL LITES

DLO: ORIEL SIZES
DLO HT. = WDW. HT-VENT DLO HT-7.250 (FIX LITE)
DLO W = WDW. W - 3.625

SERIES 1100 ALUMINUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ABOVE.

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 2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

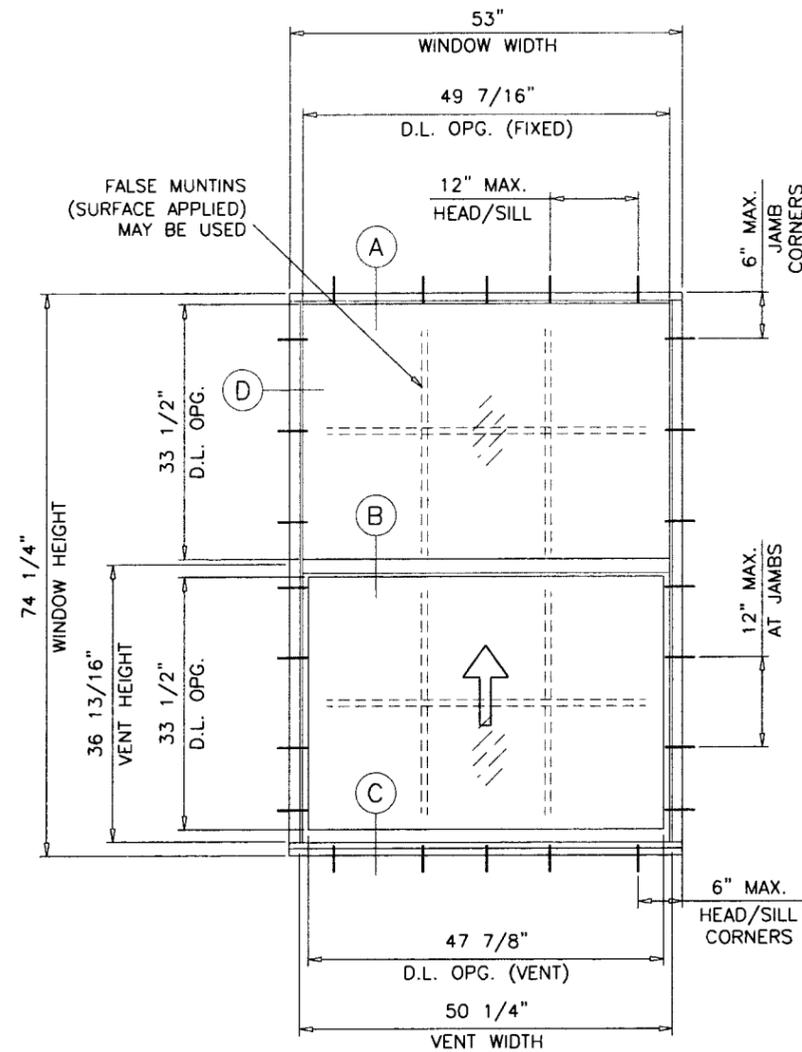
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2007 FLORIDA BLDG. CODE SECTION 2003.8.4.



TYPICAL ELEVATION
TESTED UNIT

WINDOWS NOT RATED FOR IMPACT.
INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH HVHZ REQUIREMENTS.
INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
SEP 29 2010

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 10-0621-04
Expiration Date JAN 5, 2016
Manuel Perez
Miami Dade Product Control Division

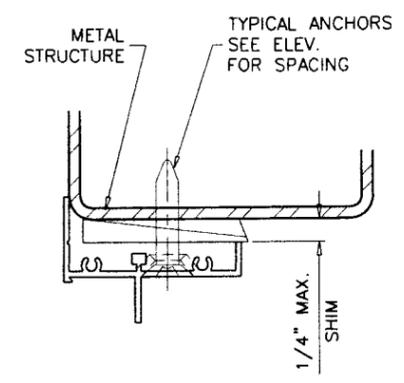
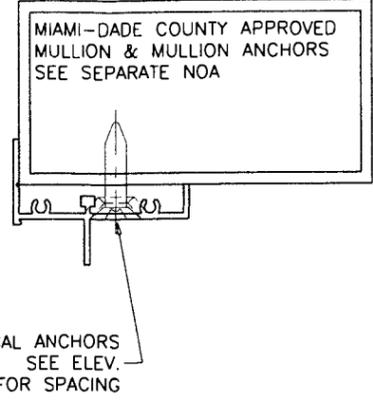
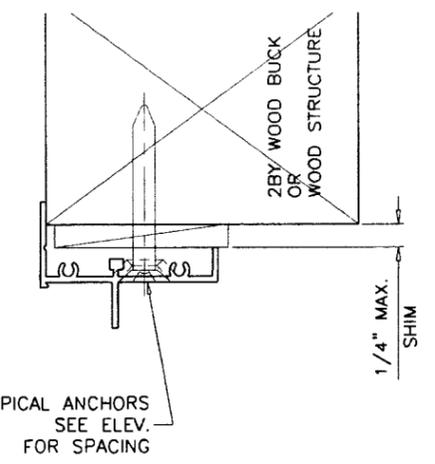
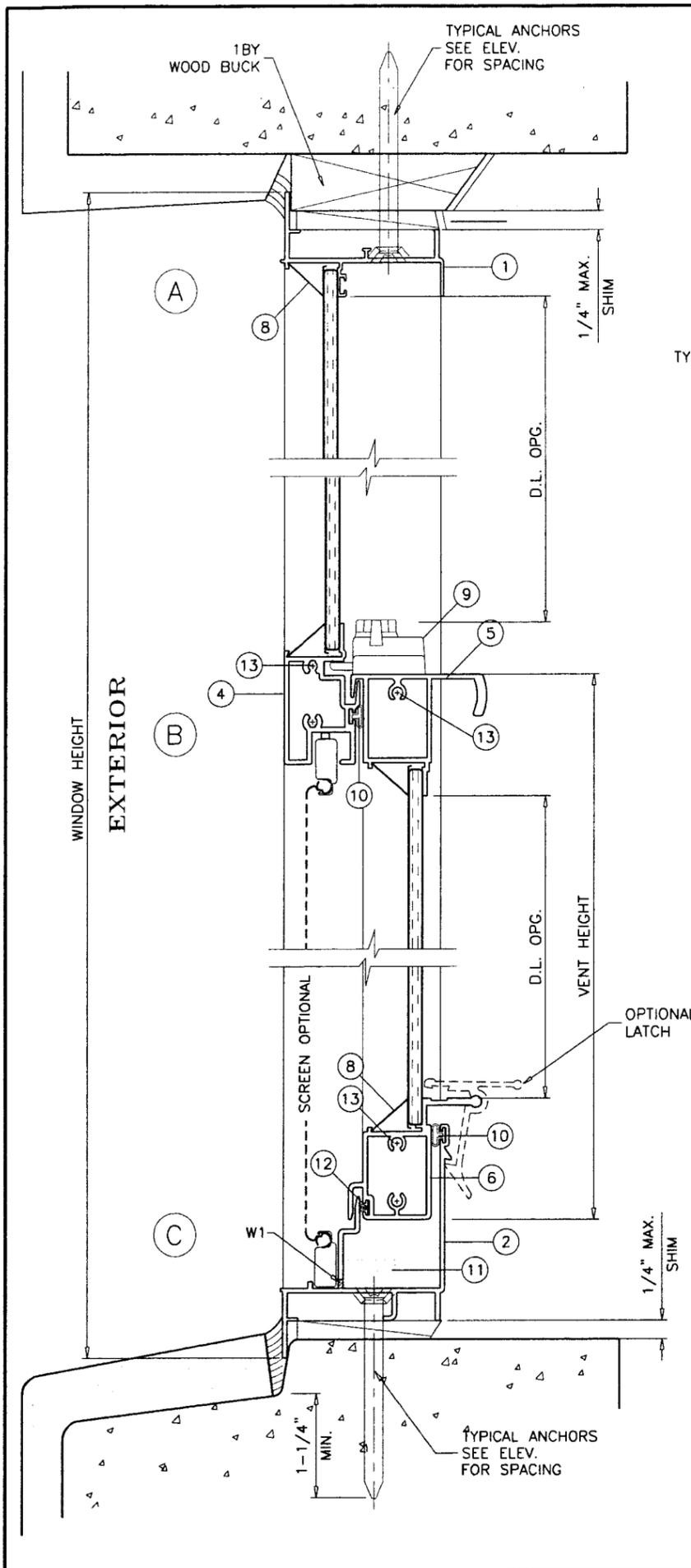
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W99-23W

SERIES 1100 ALUM SINGLE HUNG WDW. (N.I.)
Labrador & Fundora Corp.
dbq-V & V Windows
2355 West 4th Ave.
Hialeah, FL 33010
TEL. (305) 888-4151 FAX. (305) 888-1042

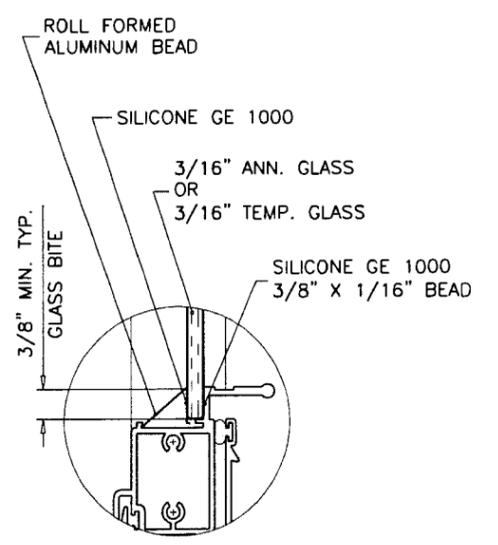
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A	11.15.00	REV. PER BCCO	COMMENTS
B	10.13.05	GENERAL REV.	
C	12.14.05	REV. PER BCCO	COMMENTS
D	05.17.10	UPDATED TO	2007 FBC

date: 03-26-99
scale: 1/2" = 1'-0"
dr. by: HAM/D
chk. by:

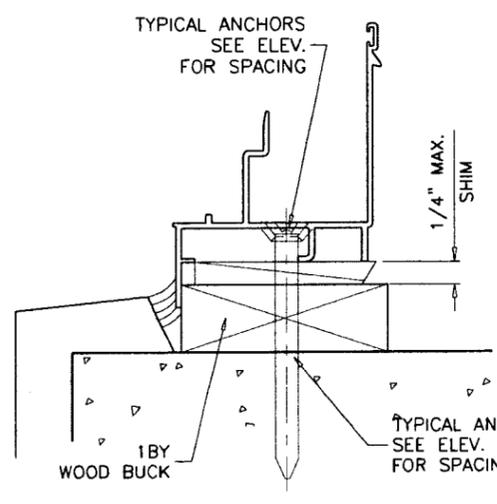
drawing no.
W99-23
sheet 1 of 4



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



GLAZING DETAIL



TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)
1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
 INTO METAL STRUCTURES
 STEEL : 12 GA. 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.
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:
 ALL JOINTS AND FRAME CONNECTIONS SEALED WITH PTI SILICONE.

WEEPHOLES:
 W1 = (2) 1/8" X 1/4" WEEP SLOTS AT 1-1/4" FROM EACH END

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
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PRODUCT REVIEWED
 as complying with the Florida Building Code
 Approval No. 10-0621.04
 Expiration Date JAN 5, 2016
 By: *Manuel Perez*
 Miami-Dade Product Control Division

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 \ W99 - 23W

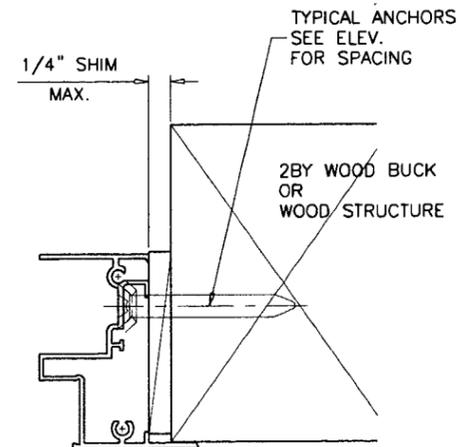
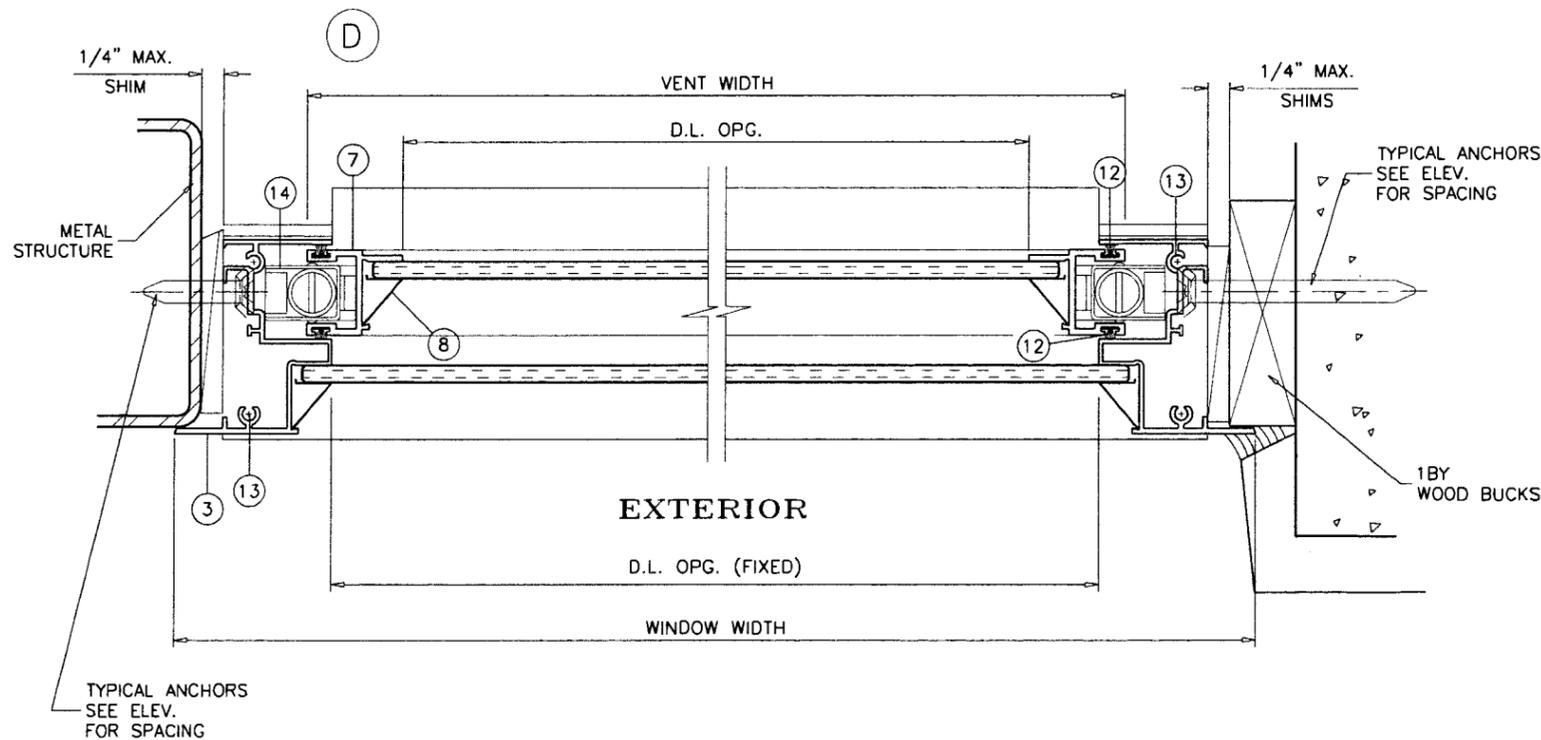
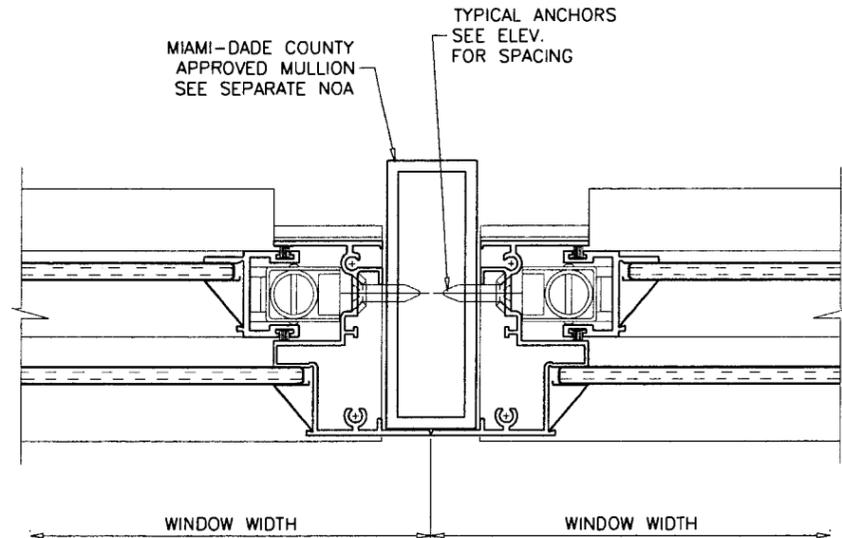
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 Labrador & Fundora Corp.
 dba - V & V Windows
 2355 West 4th Ave.
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no	date	by	description
B	10.13.05	GENERAL REV.	
C	12.14.05	REV. PER BCCO COMMENTS	
D	05.17.10	UPDATED TO 2007 FBC	

date: 03-26-99
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W99-23
 sheet 2 of 4

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	VW-4129A	1	FRAME HEAD	6063-T6	-
2	VW-4135	1	FRAME SILL	6063-T6	-
3	VW-4132	2	FRAME JAMB	6063-T6	-
4	V-1001	1	FIXED MTG. RAIL	6063-T6	-
5	VW-002	1	VENT TOP RAIL	6063-T6	-
6	VW-4136	1	VENT BOTTOM RAIL	6063-T6	-
7	VW-4133	2	VENT JAMB	6063-T6	-
8	-	AS REQD.	GLAZING BEAD	ALUMINUM	ROLL FORMED
9	-	2/VENT	VENT LATCH @ 7 1/4" FROM ENDS	ZINC DIE CAST	SECURED WITH (2) #8 X 3/4" PH SMS
10	-	1	BULB W'STRIPPING	VINYL	-
11	-	1/ WEEP	OPEN CELL FOAM	-	-
12	-	AS REQD.	PILE W'STRIPPING	-	SCHLEGEL FIN SEAL OR EQUIV.
13	-	AS REQD.	ASSEMBLY SCREWS	-	#8 x 1" P.H. CRS SMS
14	-	2	BLOCK & TACKLE BALANCE	-	5/8" BOX, BALANCE SYSTEMS INC. OR EQ.
15	-	2	BALANCE TOP GUIDE (NOT SHOWN)	ALUMINUM	@ VENT TOP SECURED W/ (1) #8 X 1" SMS
16	-	2	VENT STOP (NOT SHOWN)	VINYL	LOCATED AT TOP OF EACH JAMB



Engr: JAVAD AHMAD
 CIVIL
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 C.A.N. 3538

SEP 29 2010

PRODUCT DEVELOP
 as complete with the Florida
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By: *Manuel Perez*
 Product Control
 Division

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AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
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 COMP-ANL\W99-23W

SERIES 1100 ALUM SINGLE HUNG WDW. (N.I.)

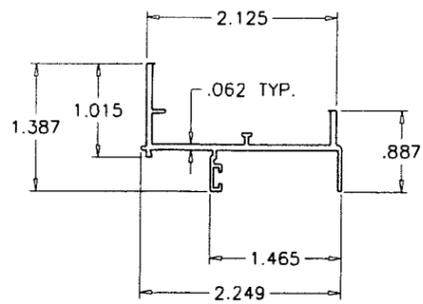
Labrador & Fundora Corp.
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 Hialeah, Fl. 33010
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revisions:	no	date	by	description
	B	10.13.05		GENERAL REV.
	C	12.14.05		ALUM. TEMPER REV.
	D	05.17.10		UPDATED TO 2007 FBC

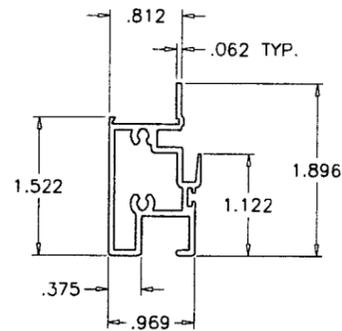
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 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W99-23

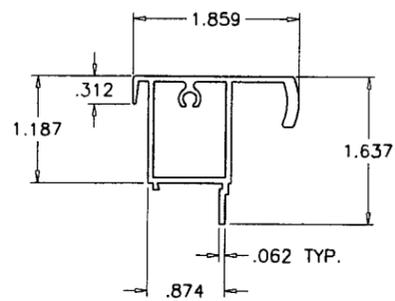
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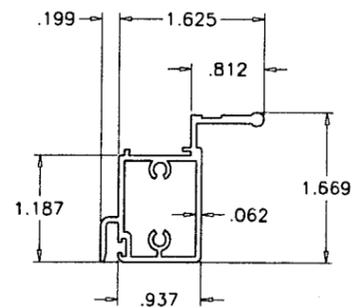
1 FRAME HEAD



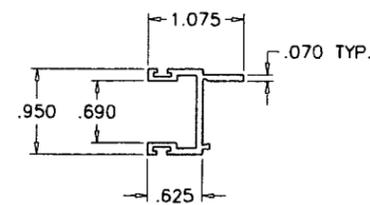
4 FIXED MEETING RAIL



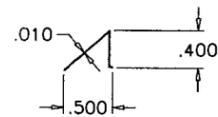
5 VENT TOP RAIL



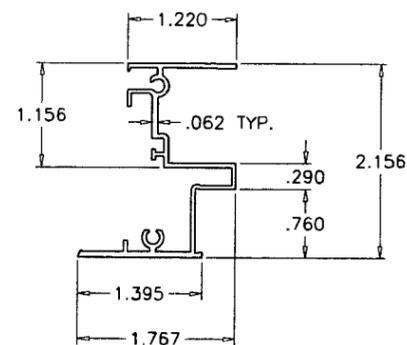
6 VENT BOTTOM RAIL



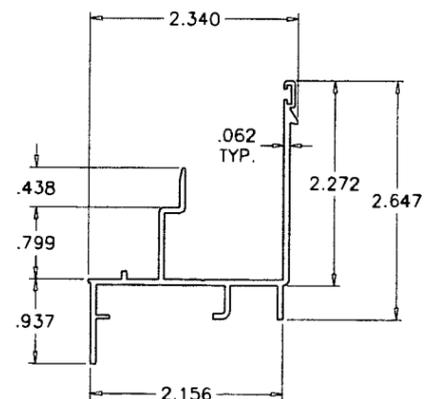
7 SASH SIDE RAIL



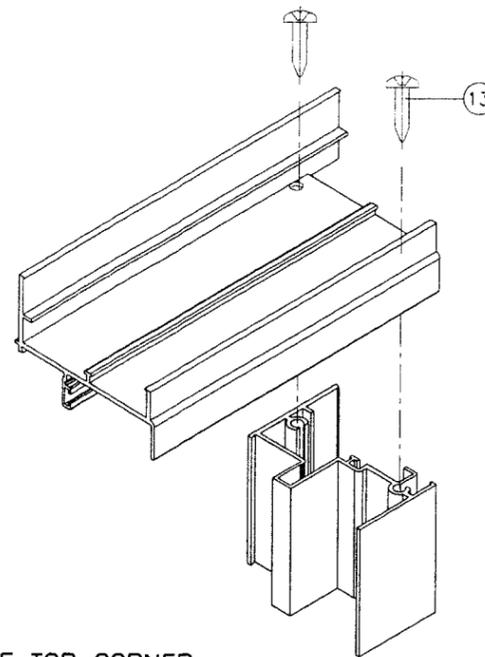
8 GLAZING BEAD



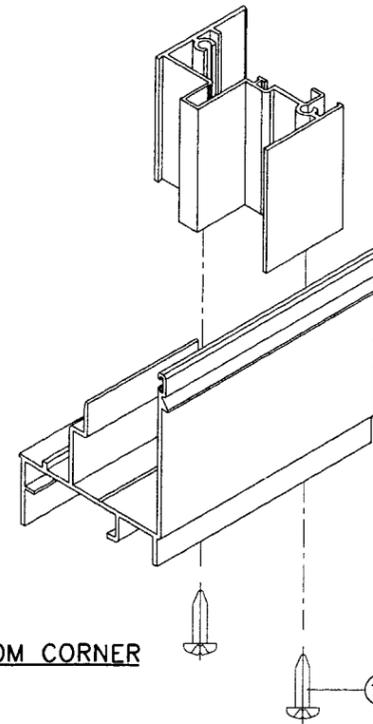
3 FRAME JAMB



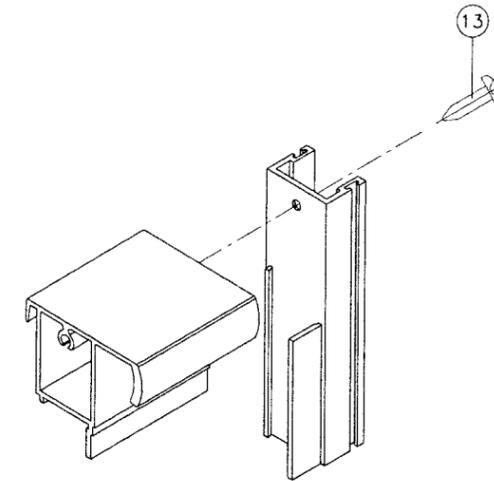
2 FRAME SILL



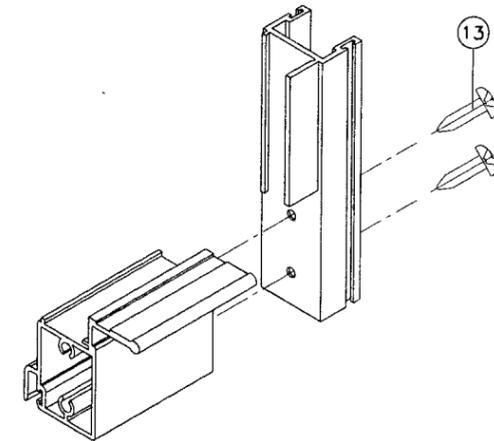
FRAME TOP CORNER



FRAME BOTTOM CORNER



VENT TOP CORNER



VENT BOTTOM CORNER

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

SEP 29 2010

PRODUCT REVIEW
as compliant with the Florida
Building Code
Approval No. 10-0621-04
Revision Date: JUL 5, 2016
By: *Manuel Ferriz*
Manual Ferriz Product Control

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
12335 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP - ANL \ W99 - 23W

SERIES 1100 ALUM SINGLE HUNG WDW. (N.I.)
Labrador & Fundora Corp.
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2355 West 4th Ave.
Hialeah, FL 33010
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no	date	description
B	10.13.05	GENERAL REV.
C	12.14.05	REV. PER BCCO COMMENTS
D	05.17.10	UPDATED TO 2007 FBC

revisions:
date: 03-26-99
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W99-23
sheet 4 of 4