



**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) 375-2908
www.buildingcodeonline.com**

NOTICE OF ACCEPTANCE (NOA)

LABRADOR & FUNDORA CORP.

**dba V & V Window
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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series 1100 Aluminum Single Hung Windows-NI

APPROVAL DOCUMENT: Drawing No. **W99-23**, titled "Series 1100 Alum Single Hung WDW. (NI)", dated 03/26/99 last revised on December 15, 2005, sheets 1 through 4 of 4, prepared by Al-Farooq Corporation, signed and sealed by Dr. Humayoun 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 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 & renews NOA # **00-0609.10** consists of this page 1 and evidence pages E-1, as well as, approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P. E.**

**NOA No 05-1021.02
Expiration Date: January 05, 2011
Approval Date: January 05, 2006
Page 1**



12/15/15

LABRADOR & FUNDORA CORP.
dba V & V Window

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. (NI)", sheets 1 through 4 of 4, dated 03/26/99 last revised on December 15, 2005, prepared by Al-Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, 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. **ATL-0408.01-05** dated September 27, 2005, signed and sealed by William R. Mehner, P.E. & Henry Hattem, P. E.

C. CALCULATIONS

1. Anchor verification calculations & Comparative analysis, complying w/ FBC-2004, dated 10-17-2005, prepared by Al-Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, P. E.
2. Glazing complies with ASTM E-1300-02

D. MATERIAL CERTIFICATIONS

1. None

E. STATEMENTS

1. Statement letter of conformance and "No financial interest", dated 10-13-2005, signed and sealed by Dr. Humayoun Farooq, P. E.
2. Laboratory compliance letter, as part of the above referenced test reports, issued by American Test Lab of South Florida.

F. OTHER

1. This NOA **revises & renews NOA # 00-0609.10**, expiring December 14, 2005.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 05-1021.02

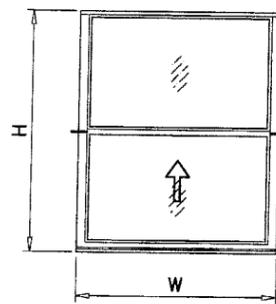
Expiration Date: January 05, 2011

Approval Date: January 05, 2006

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	210.0	65.0	210.0	
26-1/2"		65.0	210.0	65.0	210.0	
37"		65.0	161.8	65.0	210.0	
42"		(3)	65.0	139.0	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	210.0	65.0	210.0	
26-1/2"		65.0	197.8	65.0	210.0	
37"		65.0	122.0	65.0	158.6	
42"		(4)	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	195.0	65.0	210.0	
26-1/2"		65.0	161.9	65.0	207.8	
37"		65.0	104.1	65.0	135.4	
42"		(5)	65.0	86.4	65.0	112.3
48"		65.0	71.7	65.0	93.2	
53-1/8"		62.1	62.1	65.0	81.4	
19-1/8"	60"	65.0	202.2	65.0	210.0	
26-1/2"		65.0	135.9	65.0	166.2	
37"		65.0	96.7	65.0	126.4	
42"		(6)	65.0	79.2	65.0	103.0
48"		64.8	64.8	65.0	84.2	
53-1/8"		54.7	54.7	65.0	72.9	
19-1/8"	63"	65.0	192.1	65.0	210.0	
26-1/2"		65.0	129.3	65.0	187.4	
37"		65.0	92.4	65.0	124.6	
42"		(6)	65.0	77.6	65.0	100.9
48"		63.2	63.2	65.0	82.1	
53-1/8"		53.5	53.5	65.0	70.8	
19-1/8"	74-1/4"	65.0	163.6	65.0	210.0	
26-1/2"		65.0	107.6	65.0	178.3	
37"		65.0	77.6	65.0	121.8	
42"		(7)	65.0	69.7	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

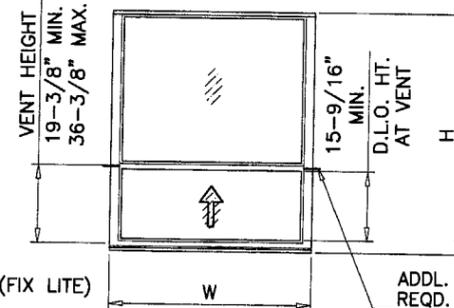


EQUAL LITES

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-02 (3 SEC. GUSTS) WITH REDUCTIONS FOR FLEXIBLE SUPPORTS TO COMPLY WITH SECTION 2403.2 OF FBC 2004 EDITION.

ADDL. ANCHOR REQD. AT MTG. STILE ENDS TYP.

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



UNEQUAL LITES

ADDL. ANCHOR REQD. AT MTG. STILE ENDS TYP.

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	192.5	65.0	210.0	
26-1/2"		65.0	129.6	65.0	207.8	
37"		65.0	87.0	65.0	139.6	
42"		(5)	65.0	80.0	65.0	115.2
48"		65.0	65.0	65.0	95.2	
53-1/8"		54.8	54.8	65.0	82.9	
19-1/8"	60"	65.0	151.1	65.0	210.0	
26-1/2"		65.0	95.6	65.0	166.2	
37"		(6)	65.0	72.6	65.0	132.0
42"		64.1	64.1	65.0	111.0	
19-1/8"	63"	65.0	143.6	65.0	210.0	
26-1/2"		65.0	87.2	65.0	187.4	
37"	(6)	65.0	68.2	65.0	137.8	
19-1/8"	74-1/4"	65.0	128.7	65.0	210.0	
26-1/2"		(7)	65.0	66.4	65.0	178.3

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

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 S.H. WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE.

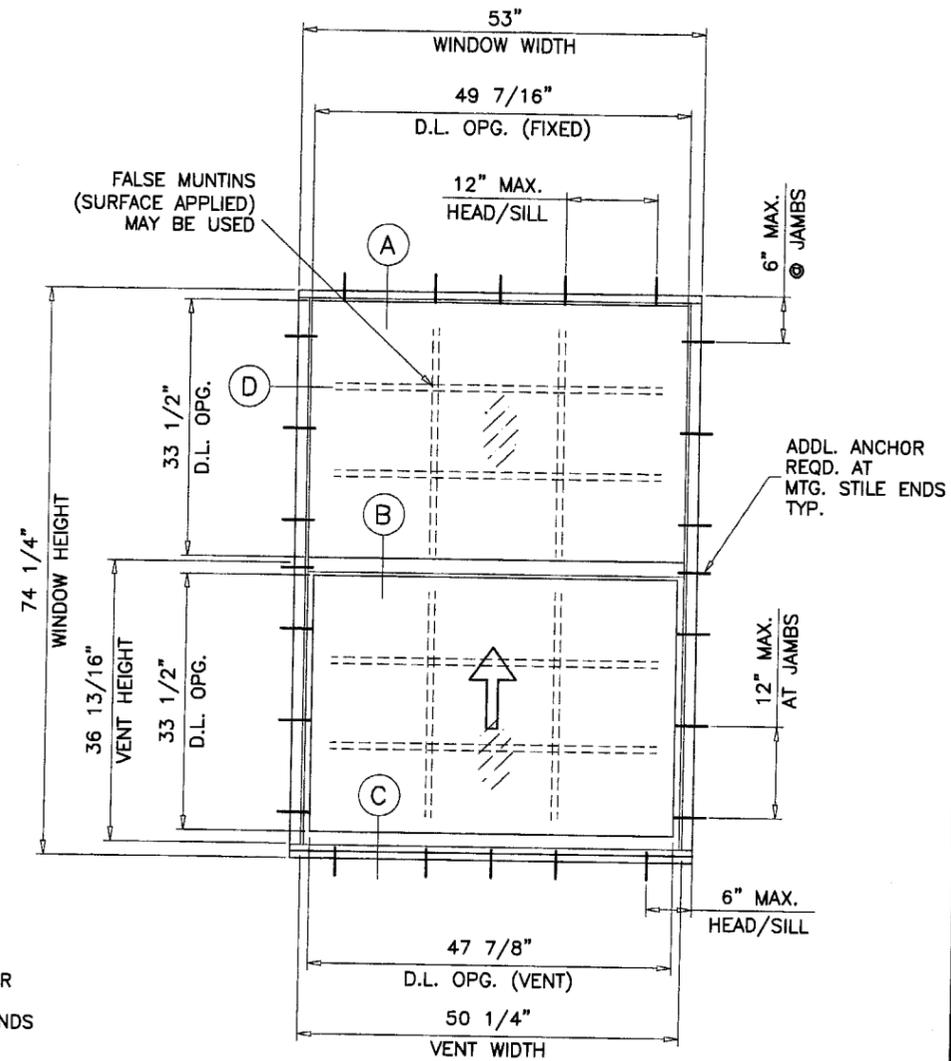
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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 IN ALLOWABLE STRESS IS USED IN DESIGN OF WOOD ANCHORS ONLY.

ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.



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.

Engr. DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

DEC 15 2005

PRODUCT REVISED
Complying with the Florida Building Code
Acceptance No. 05-1021-02
Expiration Date JANUARY 2011
By Ishag I. Chanda
Miami Dade Product Council
Division

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

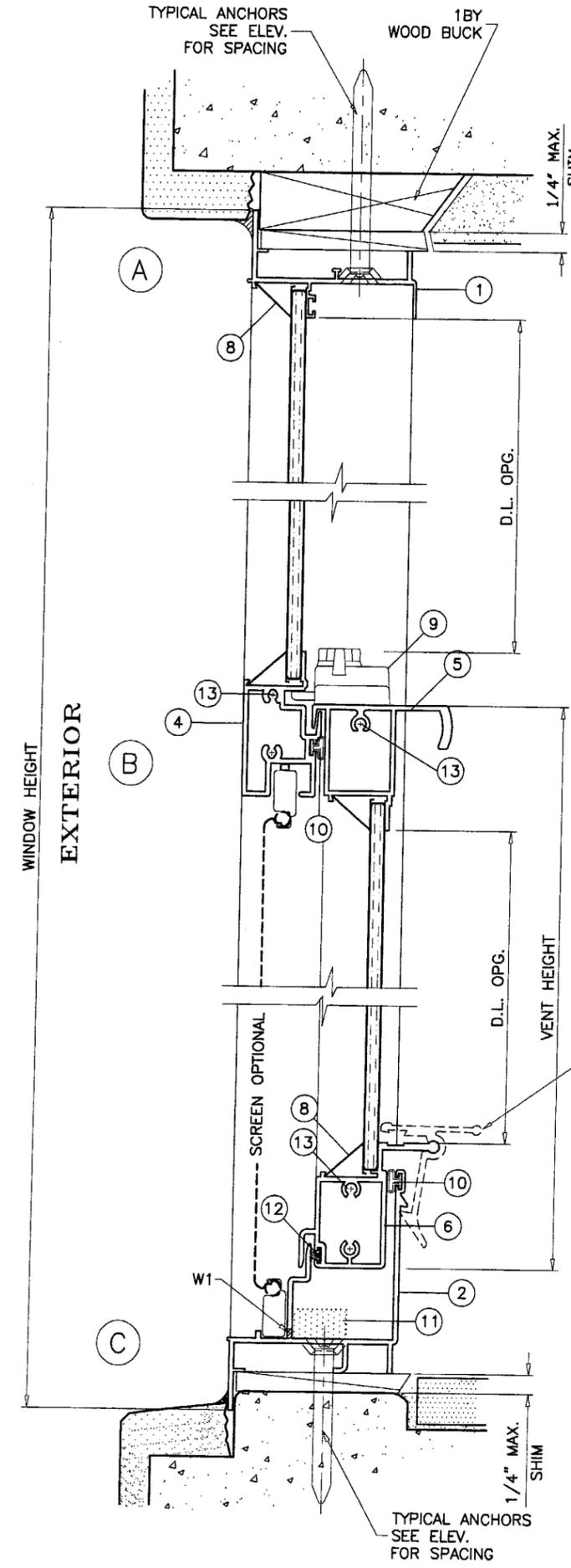
SERIES 1100 ALUM SINGLE HUNG WDW. (N.I.)
V & V WINDOWS MFG.
2690 WEST 3RD CT.
HIALEAH, FL. 33010
TEL. (305) 888-4151 FAX. (305) 888-1042

no	date	description
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B	10.13.05	GENERAL REV.
C	12.14.05	REV. PER BCCO COMMENTS

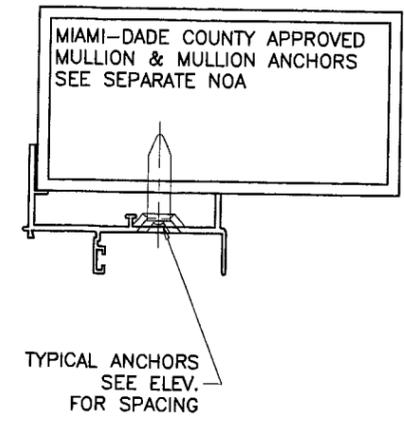
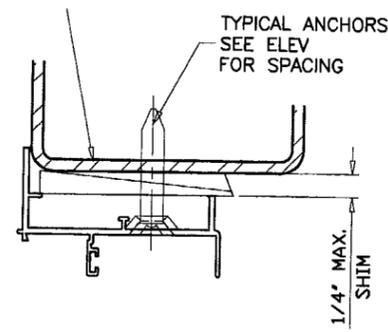
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scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W99-23

sheet 1 of 4



METAL STRUCTURES
(STEEL OR ALUM. 1/8" MIN. THICK)
STEEL : Fy = 36 KSI MIN.
ALUMINUM : 6063-T5 MIN.



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" TAPCONS
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-1/2" 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

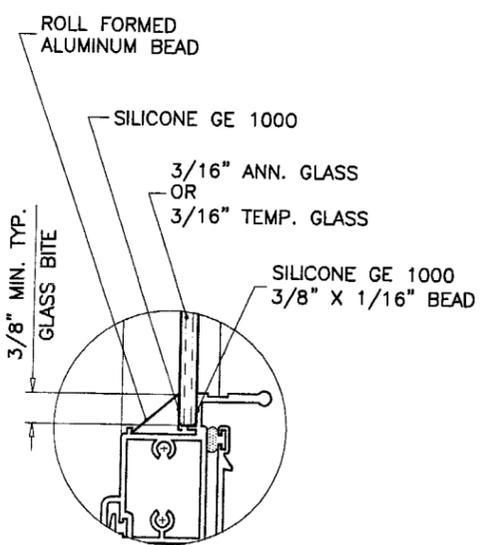
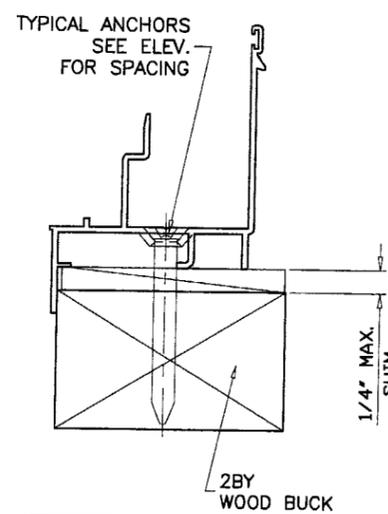
#14 SMS OR SELF DRILLING SCREWS
INTO METAL STRUCTURES (1/8" MIN. THICKNESS)
(1/4" MAX. SHIM SPACE)

#10 SMS OR SELF DRILLING SCREWS
INTO DADE COUNTY APPROVED MULLIONS
(NO SHIM SPACE)

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

OPTIONAL LATCH



GLAZING DETAIL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-1021-02
Expiration Date JAN 05, 2011
By Ishaq J. Lhanda
Miami Dade Product Control
Division

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

[Signature]

DEC 15 2005

afc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 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.)

V & V WINDOWS MFG.
2690 WEST 3RD CT.
HIALEAH, FL. 33010
TEL. (305) 888-4151 FAX. (305) 888-1042

no	date	description
B	10.13.05	GENERAL REV.
C	12.14.05	REV. PER BOCO COMMENTS

revisions:

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

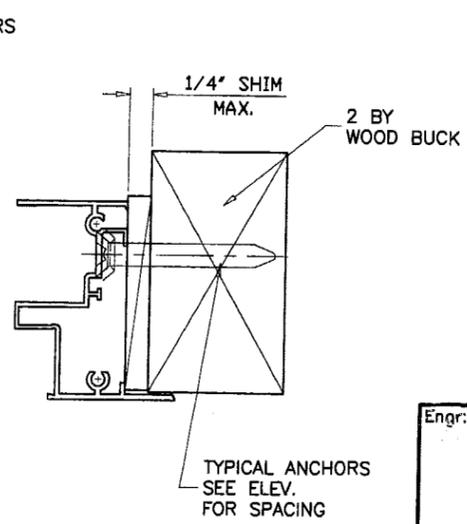
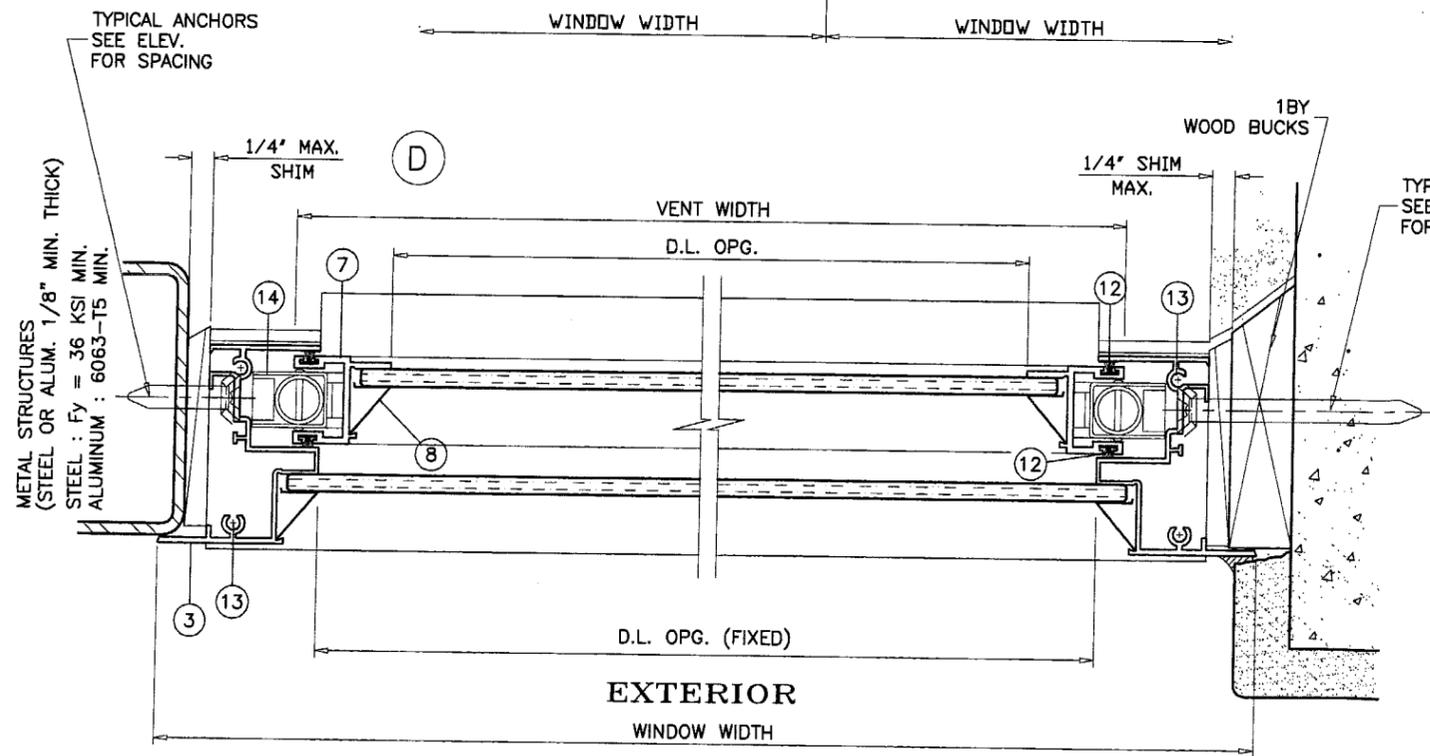
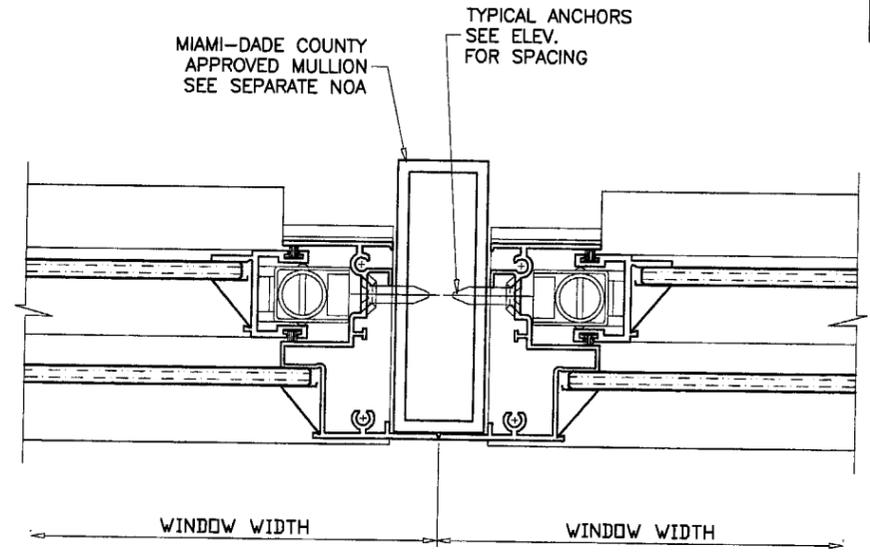
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W99-23

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

afc

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



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 05-1021-02
 Expiration Date JAN 25, 2011
 By Kshay J. Lhanda
 Miami Dade Product Control
 Division

Engr. DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538

[Signature]

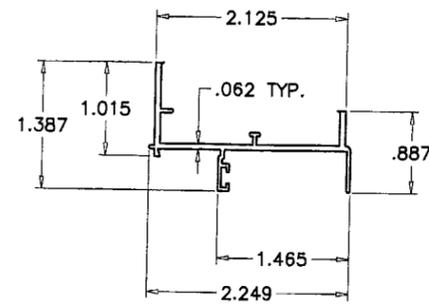
DEC 15 2005

SERIES 1100 ALUM SINGLE HUNG WDW. (N.I.)
V & V WINDOWS MFG.
 2690 WEST 3RD CT.
 HIALEAH, FL. 33010
 TEL. (305) 888-4151 FAX. (305) 888-1042

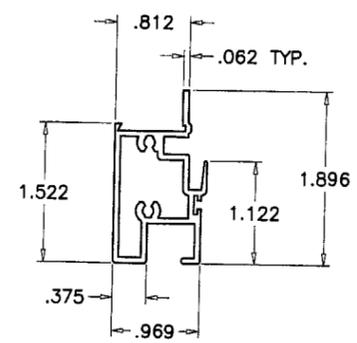
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C	12.14.05		ALUM. TEMPER REV.

date:	03-26-99
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dr. by:	HAMID
chk. by:	

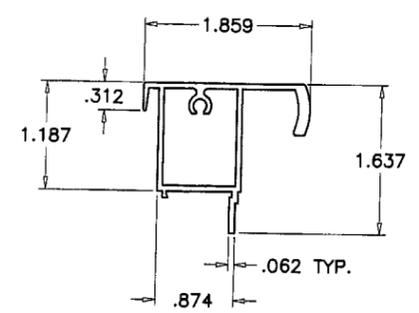
drawing no.	W99-23
sheet	3 of 4



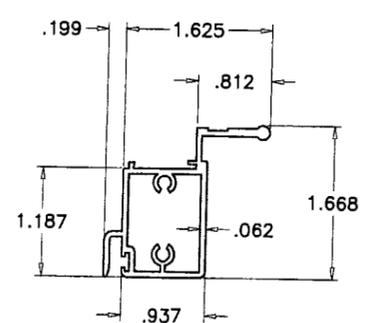
1 FRAME HEAD



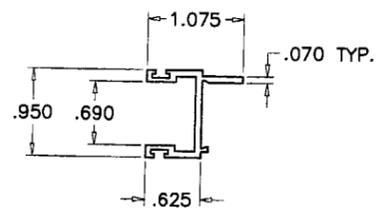
4 FIXED MEETING RAIL



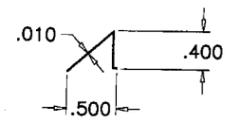
5 VENT TOP RAIL



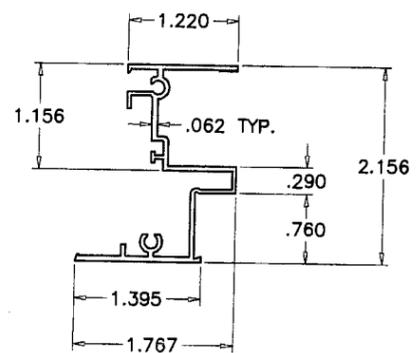
6 VENT BOTTOM RAIL



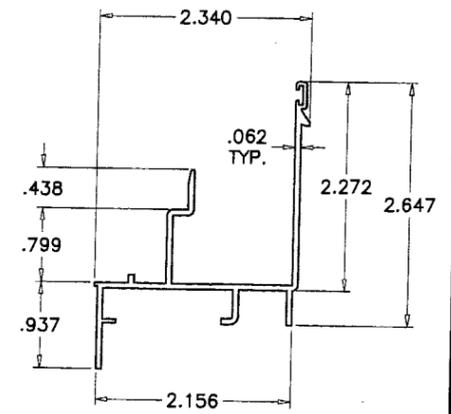
7 SASH SIDE RAIL



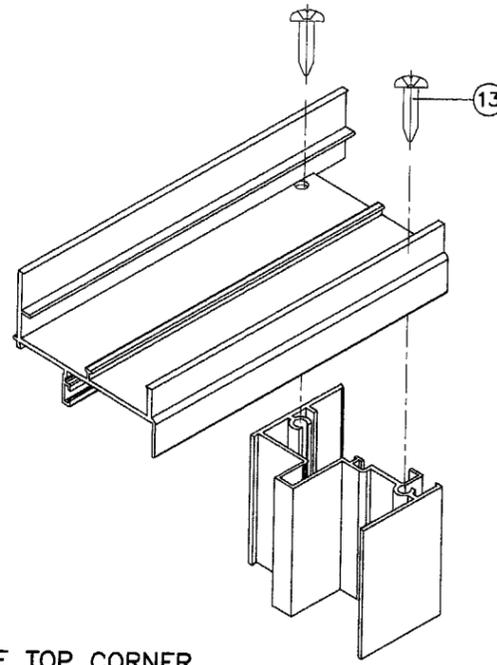
8 GLAZING BEAD



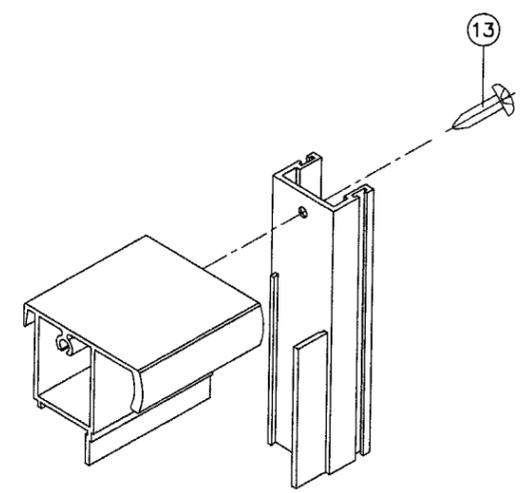
3 FRAME JAMB



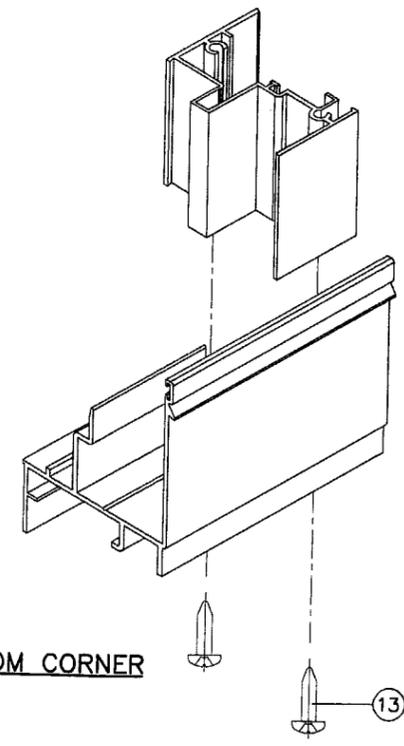
2 FRAME SILL



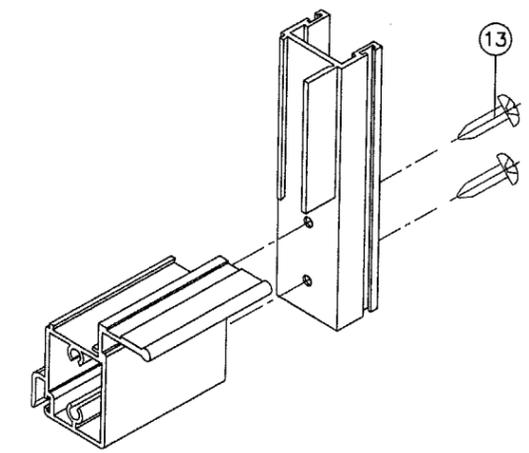
FRAME TOP CORNER



VENT TOP CORNER



FRAME BOTTOM CORNER



VENT BOTTOM CORNER

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-1021-02
 Expiration Date, JANUARY 05, 2011
 By: Shag I. Lhanda
 Miami Dade Product Control
 Division

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 DEC 15 2005

afc
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 ENGINEERS, PLANNERS & PRODUCT DESIGN
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 COMP-ANL\W99-23W

SERIES 1100 ALUM SINGLE HUNG WDW. (N.I.)
V & V WINDOWS MFG.
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no.	date	description	by
B	10.13.05	GENERAL REV.	
C	12.14.05	REV. PER BCCO COMMENTS	

date: 03-26-99	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
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drawing no.	W99-23
sheet	4 of 4