



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

MIAMI-DADE COUNTY, FLORIDA
 METRO-DADE FLAGLER BUILDING
 140 WEST FLAGLER STREET, SUITE 1107
 MIAMI, FLORIDA 33130-1563
 (305) 375-2902 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Zeluck, Inc.
 5300 Kings Highway
 Brooklyn, NY 11234

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 "Mahogany" Wood Fixed Windows – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W99-27** titled "Wood (Mahogany) Fixed Windows (L.M.I.)", sheets 1 through 5 of 5, dated 03/31/99 and last revised on 05/11/09, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, 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: Large and Small Missile Impact Resistant

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 **NOA No. 06-1002.06** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
8/5/09

NOA No. 09-0106.09
 Expiration Date: November 18, 2011
 Approval Date: August 05, 2009
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W99-27** titled "Wood (Mahogany) Fixed Windows (L.M.I.)", sheets 1 through 5 of 5, dated 03/31/99 and last revised on 05/11/09, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, P. E.

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC TAS 202-94
 - 2) Uniform Static Pressure Test, Loading per FBC PA 202-94
 - 3) Water Infiltration Test per FBC, TAS 202-94 (Not Performed)
 - 4) Forced Entry Test, per FBC, TAS 202-944.
 - 5) Large Missile Impact Test per FBC, TAS 203-94
 - 6) Cyclic Wind Pressure Test per FBC, TAS 204-94along with assembly drawing of a wood fixed window prepared by Architectural Testing, Inc., test report no. **ATI 01-31644.01**, dated 10/15/98, signed and sealed by Allen N. Reeves, P. E.
(Submitted under previous NOA No. 99-0830.05)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004/2007, prepared by Al-Farooq Corporation, dated 09/08/06, signed and sealed by Humayoun Farooq, P. E.
Complies with ASTM E1300-98/ 02

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **09-0210.05** issued to Viracon, Inc. for their "**Viracon HRG-2 Glass Interlayers**", dated 03/05/09, expiring on 02/12/10.

F. STATEMENTS

1. Statement letter of conformance, dated May 13, 2009, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, P. E.
2. Statement letter of no financial interest, dated May 13, 2009, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, P. E.
3. Statement letter of changes, dated May 13, 2009, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, P. E.



Jaime D. Gascon, P. E.
Chief, Product Control Division
NOA No. 09-0106.09

Expiration Date: November 18, 2011
Approval Date: August 05, 2009

Zeluck, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

4. Testing agreement letter, dated 06/11/2009 between Architectural Testing, Inc. (ATI) and Zeluck, Inc., issued by ATI.
5. Laboratory compliance letter for Test Report No. **ATI 01-31644.01**, issued by Architectural Testing, Inc., dated October 15, 1998, signed and sealed by Allen N. Reeves, P. E.
(Submitted under previous NOA No. 99-0830.05)

G. OTHERS

1. Notice of Acceptance No. **06-1002.06**, issued to Zeluck, Inc., for their Series "**Mahogany Wood Fixed Windows L.M.I.**", approved on 01/11/07 and expiring on 11/18/11.



Jaime D. Gascon, P. E.
Chief, Product Control Division
NOA No. 09-0106.09
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THESE WINDOWS ARE RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

WOOD (MAHOGANY) FIXED WINDOW

SEE SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
 APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIXED/FIXED OR FIXED WITH OTHER MIAMI-DADE COUNTY APPROVED 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 2004/2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

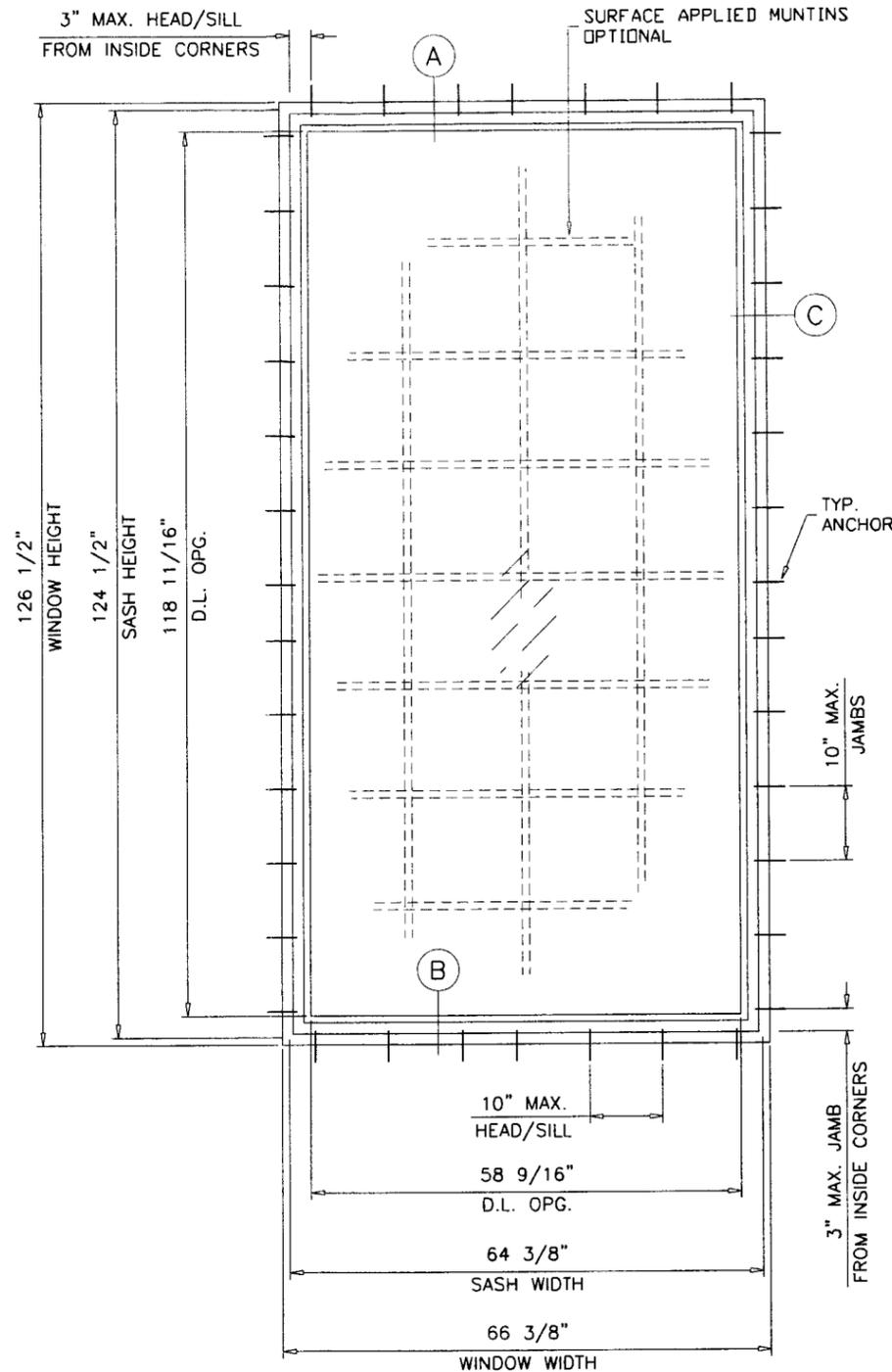
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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 2004/2007 FLORIDA BLDG. CODE SECTION 2003.8.4.



TYPICAL ELEVATION
TESTED UNIT

D.L. OPG. HEIGHT = WINDOW HEIGHT - 7.8"
 D.L. OPG. WIDTH = WINDOW WIDTH - 7.8"

THE APPROVED PRODUCTS NOTED HEREIN ARE EXEMPT FROM PRESERVATIVE TREATMENT PER 2326.2.1 OF THE FLORIDA BUILDING CODE WHICH EXEMPTS WOOD SPECIES LISTED AS 'DURABLE'. THE SPECIFIC PRODUCTS HEREIN ARE EXEMPTED HONDURAN MAHOGANY-SWietenia Macrophylla OR EQUIVALENT SPECIES BASED ON USDA LISTING AND MUST HAVE A SPECIFIC GRAVITY EQUAL TO OR HIGHER THAT THE REFERENCED SPECIES.

Engr: ARSHAD VIQAR
 CIVIL
 FLA. PE # 38863
 C.A.N. 3538

Arshad Viqar
 MAY 4 2009

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. **09-0106.09**
 Expiration Date **November 18, 2011**

By: *[Signature]*
 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\W99-27Z1

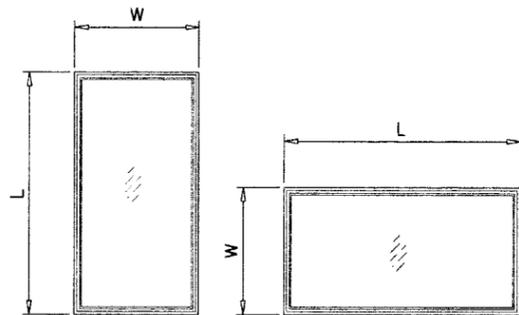
WOOD (MAHOGANY) FIXED WINDOW (L.M.I.)
ZELUCK INCORPORATED
 5300 KINGS HIGHWAY
 BROOKLYN, N.Y. 11234-9011
 TEL. (718) 251-8060 FAX. (718) 531-2564

no.	date	by	description
A	11.08.02		CHART REV. FOR ASTM E-1300
B	08.02.06		UPDATED FOR 2004 FBC
C	12.09.06		REV. PER BCCO COMMENTS
D	11.18.08		UPDATED FOR 2007 FBC
E	05.11.09		REV. PER BCCO COMMENTS

date: 03-31-99
 scale: 1/2"=1'-0"
 dr. by: HAMID
 chk. by:

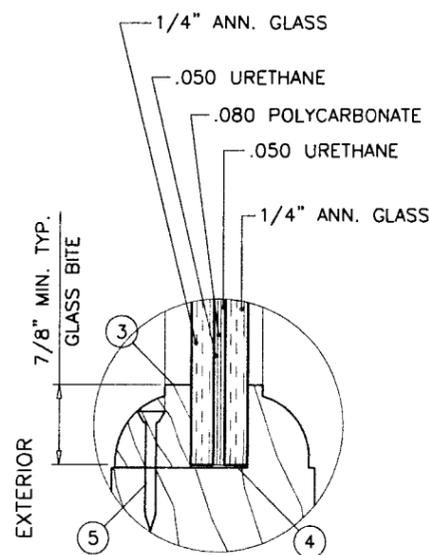
drawing no.
W99-27
 sheet 1 of 5

DESIGN LOAD CAPACITY - PSF					
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'	
WIDTH	LENGTH	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
48"	78"	61.0	75.0	61.0	75.0
54"		61.0	75.0	61.0	75.0
60"		61.0	75.0	61.0	75.0
48"	84"	61.0	75.0	61.0	75.0
54"		61.0	75.0	61.0	75.0
60"		61.0	75.0	61.0	75.0
48"	90"	61.0	75.0	61.0	75.0
54"		61.0	75.0	61.0	75.0
60"		61.0	73.2	61.0	75.0
48"	96"	61.0	75.0	61.0	75.0
54"		61.0	74.9	61.0	75.0
60"		61.0	68.7	61.0	75.0
48"	102"	61.0	75.0	61.0	75.0
54"		61.0	71.9	61.0	75.0
60"		61.0	64.8	61.0	75.0
48"	108"	61.0	75.0	61.0	75.0
54"		61.0	68.0	61.0	75.0
60"		61.0	62.2	61.0	75.0
48"	114"	61.0	75.0	61.0	75.0
54"		61.0	64.8	61.0	75.0
60"		58.5	58.5	61.0	75.0
48"	120"	61.0	71.1	61.0	75.0
54"		61.0	63.3	61.0	75.0
60"		55.5	55.5	61.0	75.0
48"	126"	61.0	68.6	61.0	75.0
54"		60.6	60.6	61.0	75.0
60"		52.7	52.7	61.0	75.0

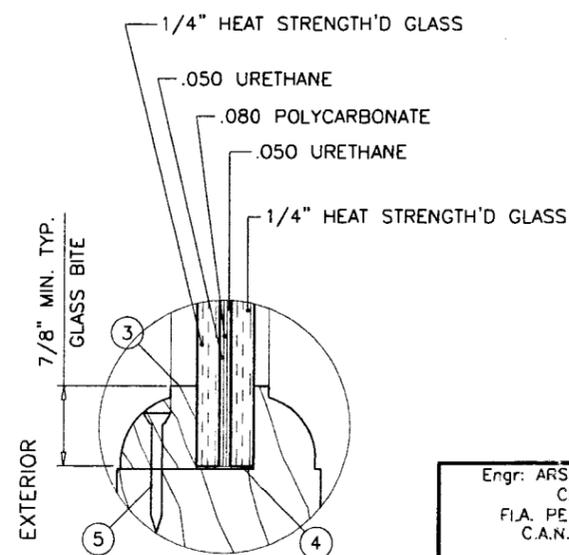


NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-02/04 (3 SEC. GUSTS).



GLASS TYPE 'A'
HRG-2 LAMINATED GLASS
BY 'VIRACON'



GLASS TYPE 'B'
HRG-2 LAMINATED GLASS
BY 'VIRACON'

GLAZING OPTIONS

Engr: ARSHAD VIQAR
CIVIL
F.I.A. PE # 38863
C.A.N. 3538
MAY 14 2009

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 09-0106.09
Expiration Date November 18, 2011

By: *[Signature]*
Miami Dade Product Control
Division

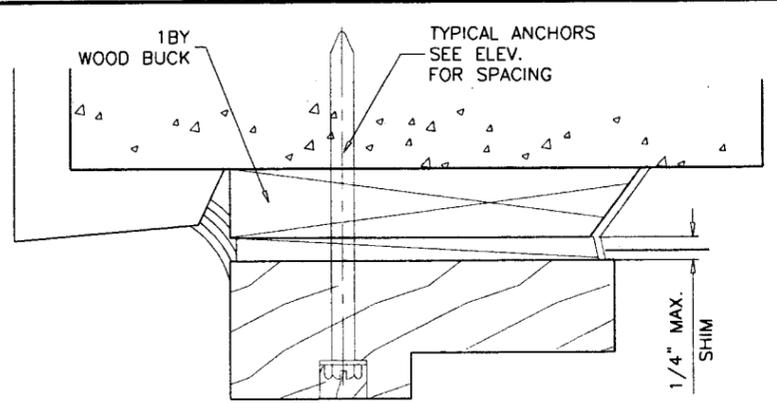
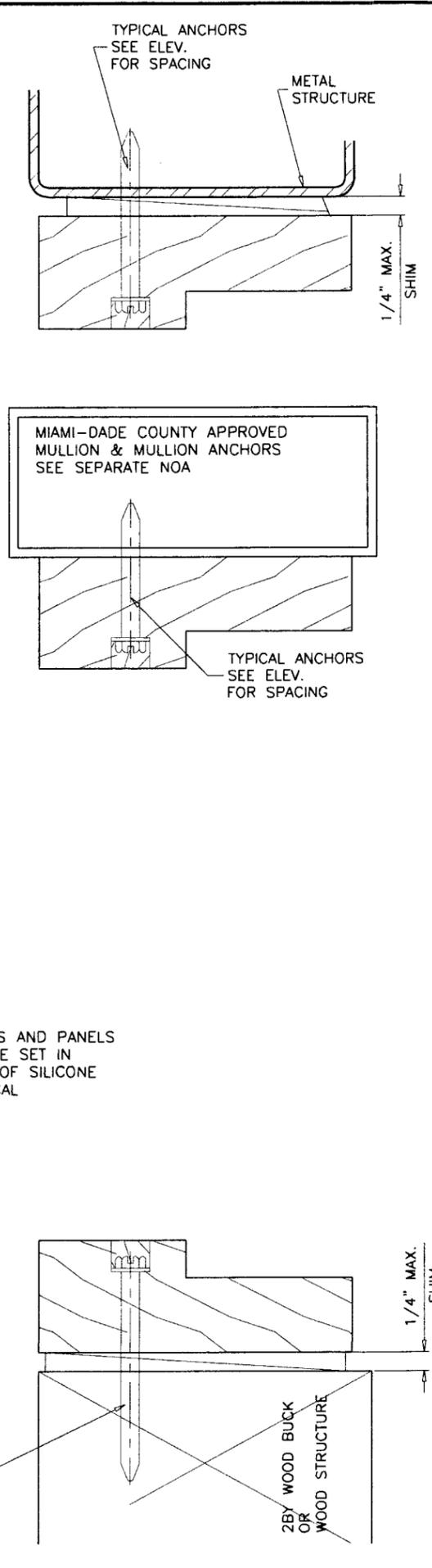
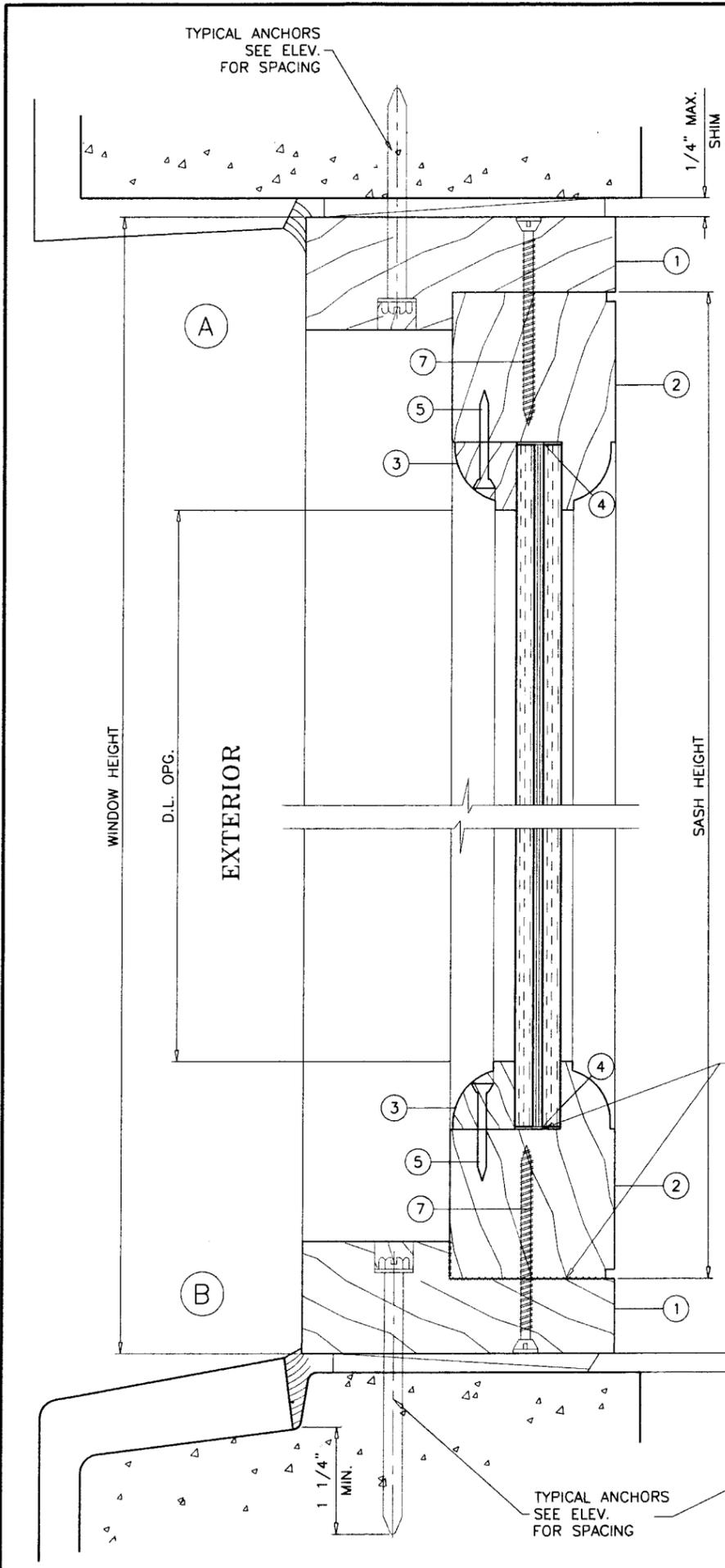
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W99-27Z1

WOOD (MAHOGANY) FIXED WINDOW (L.M.I.)
ZELUCK INCORPORATED
5300 KINGS HIGHWAY
BROOKLYN, N.Y. 11234-9011
TEL.(718) 251-8060 FAX.(718) 531-2564

no	date	by	description
B	08.02.06		UPDATED FOR 2004 FBC
C	12.09.06		REV. PER BCCO COMMENTS
D	11.18.08		UPDATED FOR 2007 FBC
E	05.11.09		NO CHANGE THIS SHEET

date: 03-31-99
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W99-27
sheet 2 of 5



WOOD BUCKS AND METAL STRUCTURE NOT BY ZELUCK INC. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

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
 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 = 1-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 1/2" MIN.

CONCRETE f'c = 2730 PSI MIN.
 MASONRY f'm = 1924 PSI MIN.

SEALANTS:
 ALL FRAME CORNERS, SASH BEDDING AND INTERIOR AND EXTERIOR OF GLAZING STOP SEALED WITH SILICONE SEALANT.
 SASH CORNERS AND GLASS STOP BEDDING SET WITH WOOD GLUE.

Engr: ARSHAD VIQAR
 CIVIL
 FLA. PE # 38863
 C.A.N. 3538
 MAY 15 2009

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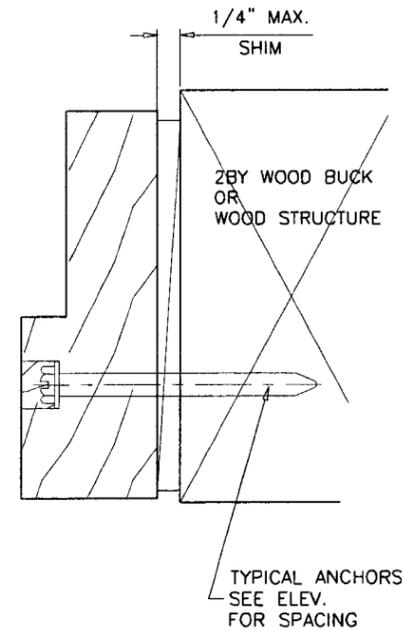
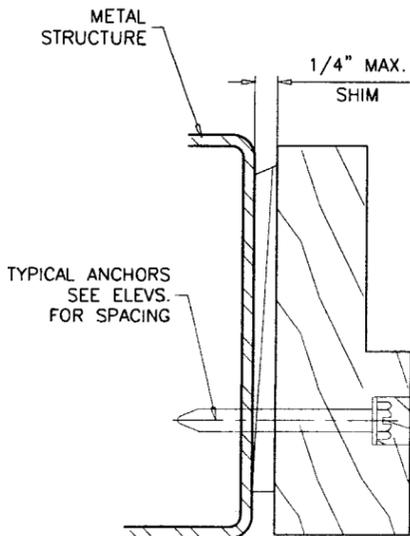
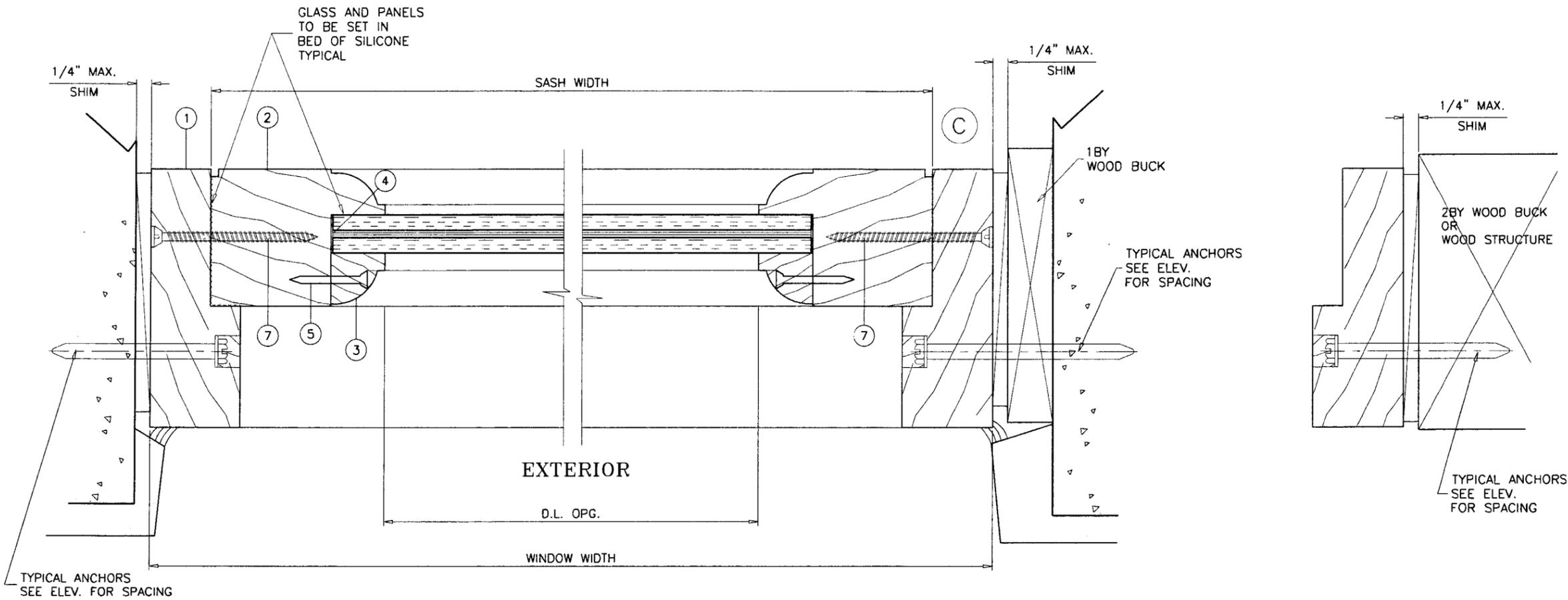
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WOOD (MAHOGANY) FIXED WINDOW (L.M.I.)
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 TEL.(718) 251-8060 FAX.(718) 531-2564

no	date	by	description
A	11.08.02		HEAT STR'D GLASS ADD
B	08.02.06		UPDATED FOR 2004 FBC
C	12.09.06		REV. PER BCCO COMMENTS
D	11.18.08		UPDATED FOR 2007 FBC
E	05.11.09		REV. PER BCCO COMMENTS

date: 03-31-99
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W99-27
 sheet 3 of 5



Engr. ARSHAD VIQAR
 CIVIL
 FLA. PE # 38863
 C.A.N. 3538

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MAY 15 2009

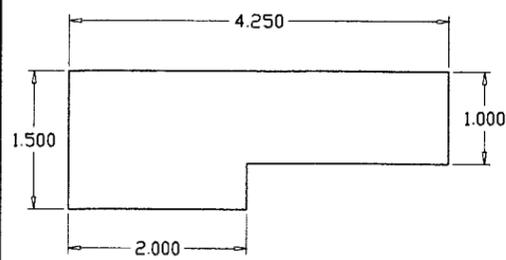
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 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL W99-2721

WOOD (MAHOGANY) FIXED WINDOW (L.M.I.)
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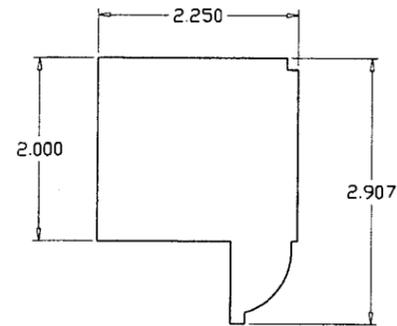
no	date	description
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E	10.5.11.09	NO CHANGE THIS SHEET

date: 03-31-99
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 chk. by:

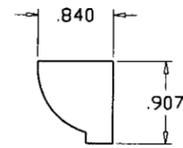
drawing no.
W99-27
 sheet 4 of 5



WINDOW FRAME
MAHOGANY



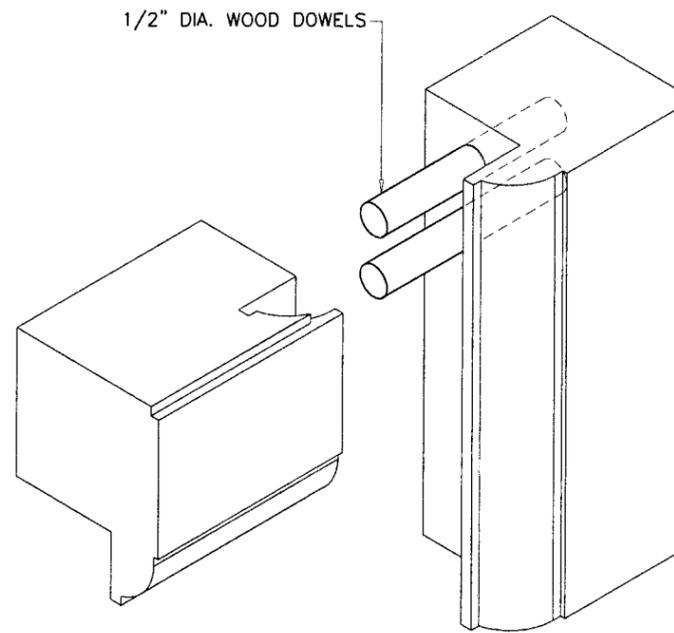
SASH STILE
MAHOGANY



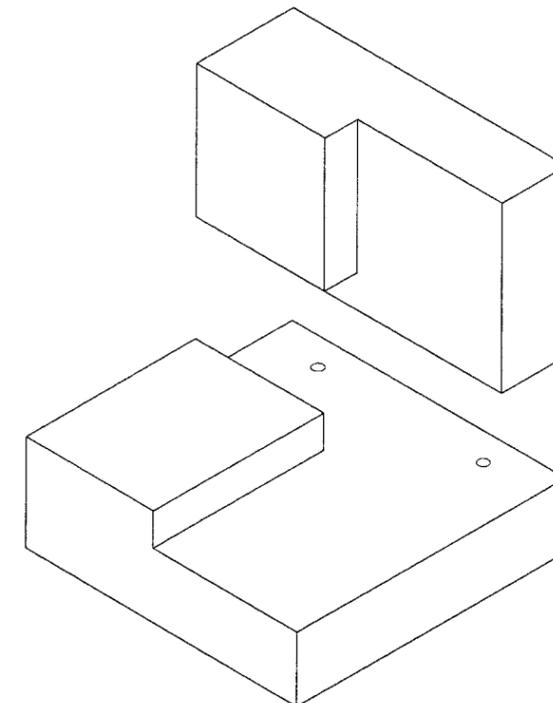
GLAZING STOP
MAHOGANY

MATERIALS LIST					
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPLIER/REMARKS
1	-	4/	WINDOW FRAME	WOOD	ZELUCK
2	-	4/	SASH RAIL	WOOD	ZELUCK
3	-	4/	WINDOW GLASS STOP	WOOD	ZELUCK
4	-	AS REQD.	GLAZING COMPOUND	SILICONE	-
5	#16 X 1-1/4"	AS REQD.	FINISHING NAILS	ST. STEEL	⊕ 3" FROM ENDS & 6" O.C.
6	#8 X 2-3/4"	2/	CORNER DRYWALL SCREWS	-	-
7	#10 X 2-3/4"	AS REQD.	SASH SCREWS	ST. STEEL	⊕ 3" FROM ENDS & 10" O.C.

TYPICAL WOOD-HONDURES MAHOGANY LUMBER
 SPECIFIC GRAVITY = 0.45 MIN.
 GRADE = 2 MIN.
 MOISTURE CONTENT = 19% MAX.



COPED SASH CORNERS
SEALED WITH WOOD GLUE



COPED FRAME CORNERS
SEALED WITH SILICONE SEALANT

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 FLA. PE # 38863
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 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:
 drawing no. **W99-27**
 sheet 5 of 5