



**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](http://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 "H4200 European" Outswing Wood Casement Window – L. M. I.**

**APPROVAL DOCUMENT:** Drawing No. **W97-36** titled "Series H4200 European Wood Casement Wdw. (LMI)", sheets 1 through 5 of 5, prepared by Al-Farooq Corporation., dated 11/11/97 with revision E dated 12/09/08, signed and sealed by 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: 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 and renews** NOA # **06-1002.02** 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 **Manuel Perez, P.E.**



**NOA No. 08-0822.22**  
**Expiration Date: October 08, 2011**  
**Approval Date: March 18, 2009**  
 Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **W97-36** titled "Series H4200 European Wood Casement Wdw. (LMI)", sheets 1 through 5 of 5, prepared by Al-Farooq Corporation., dated 11/11/97 with revision E dated 12/09/08, signed and sealed by Humayoun Farooq, P. E.

**B. TESTS**

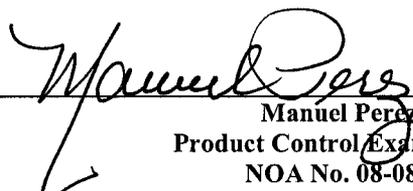
1. Test reports on:
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94along with installation diagram of outswing wood casement window, prepared by Architectural Testing, Inc. Test Report No. **ATI-72414.01-109-18**, dated 08/01/07 and addendum letter dated December 15, 2008, all signed and sealed by Michael D. Stremmel, P.E.
2. Test reports on:
  - 1) Air Infiltration Test, per PA 202-94
  - 2) Uniform Static Pressure Test, Loading per PA 202-94
  - 3). Water Infiltration Test per PA 202-94
  - 4) Forced Entry Test, per PA 202-94.
  - 5) Large Missile Impact Test per PA 203-94
  - 6) Cyclic Wind Pressure Test per PA 204-94along with installation diagram of outswing wood casement window, prepared by Architectural Testing, Inc. Test Report No. **ATI-19717**, dated 05/20/97 signed and sealed by Allen M. Reeves, P.E.  
*(Submitted under previous NOA# 97-1222.06)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 12/10/08, signed and sealed by Humayoun Farooq, P.E.  
**Complies with ASTM E1300-02/ 04**

**D. QUALITY ASSURANCE**

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

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 08-0822.22  
Expiration Date: October 08, 2011  
Approval Date: March 18, 2009

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their “**Saflex IIIG Clear or colored interlayer**” dated May 04, 2006, expiring on May 21, 2011.
2. Notice of Acceptance No. **08-0206.01** issued to Solutia Inc. for their “**Saflex HP Glass Interlayer**” dated 04/17/2008, expiring on 04/17/2013.

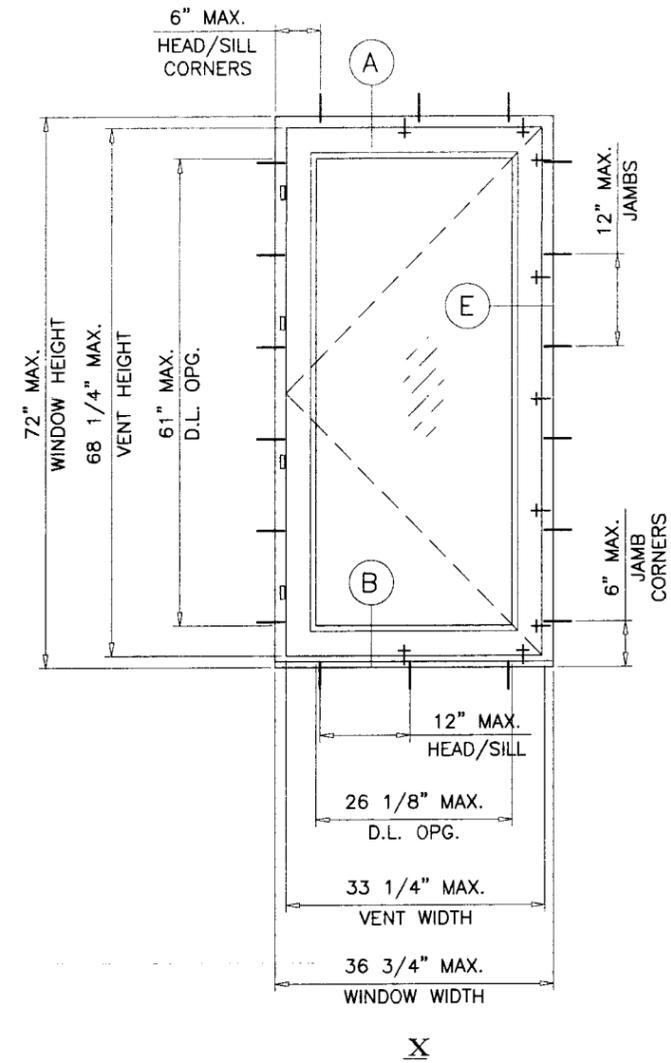
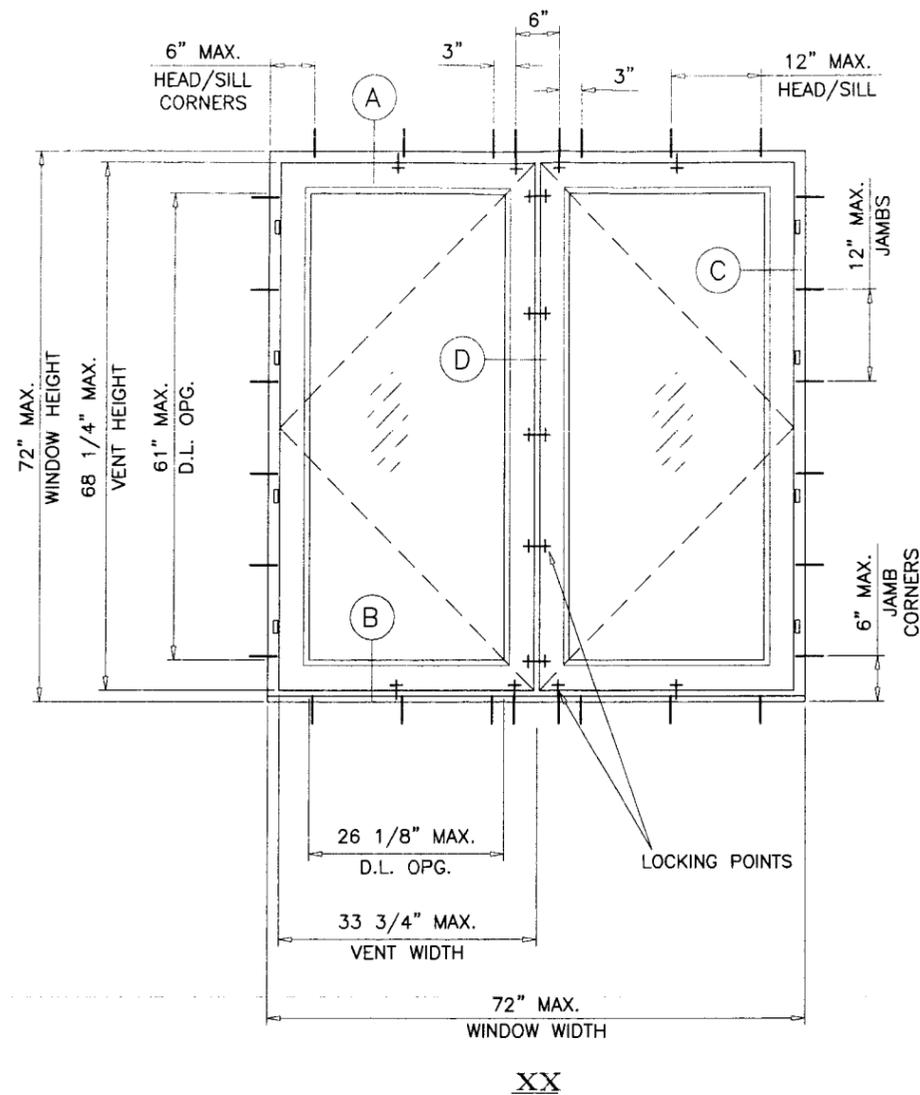
**F. STATEMENTS**

1. Statement letter of conformance, dated December 08, 2008, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated December 08, 2008, signed and sealed by Humayoun Farooq, P.E.
3. Laboratory compliance letter for Test Report no. **ATI-72414.01-109-18**, issued by Architectural Testing, Inc., dated August 01, 2007, signed and sealed by Michael D. Stremmel, P.E.
4. Laboratory compliance letter for Test Report no. **ATI-19717**, issued by Architectural Testing, Inc., dated June 20, 1997, signed and sealed by Allen M. Reeves, P.E.  
*(Submitted under previous NOA # 97-1222.06)*

**G. OTHERS**

1. Notice of Acceptance No. **06-1002.02**, issued to Zeluck, Inc. for their “**Series H4200 European Outswing Wood Casement Window – L.M.I.**”, approved on 02/22/07 and expiring on 10/08/08.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 08-0822.22  
Expiration Date: October 08, 2011  
Approval Date: March 18, 2009



**SERIES H4200**

**EUROPEAN OUTSWING WOOD CASEMENT WINDOW**

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF CASEMENT/CASEMENT OR CASEMENT 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.

**MAXIMUM DESIGN LOAD RATING = + 60.0 PSF**  
(FOR SIZES SHOWN OR SMALLER)      **- 75.0 PSF**

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-02/04 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

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

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

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No **08-0822.22**  
Expiration Date **10/08/2011**  
By *Manuel Perez*  
Miami Dade Product Control  
Division

DEC 19 2008

**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\W97-36Z

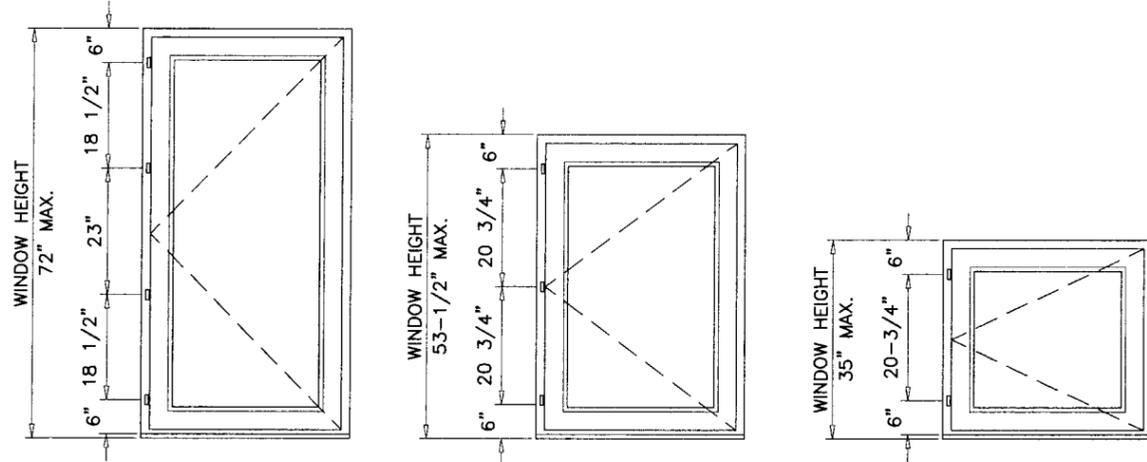
SERIES H4200 EUROPEAN OUTSWING WD. CASEMENT WDW. (L.M.I.)  
**ZELUCK INCORPORATED**  
5300 KINGS HIGHWAY  
BROOKLYN, N.Y. 11234-9011  
TEL. (718) 251-8060 FAX. (718) 531-2564

no	date	by	description
A	7.20.98		GENERAL REVISION
B	08.02.06		UPDATED FOR 2204 FBC
C	12.21.06		NO CHANGE THIS SHEET
D	07.11.07		GENERAL REV.
E	12.09.08		UPDATED FOR 2007 FBC

date: 11-11-97  
scale: 1/2"=1'-0"  
dr. by: HAMID  
chk. by:  
drawing no.  
**W97-36**  
sheet 1 of 5

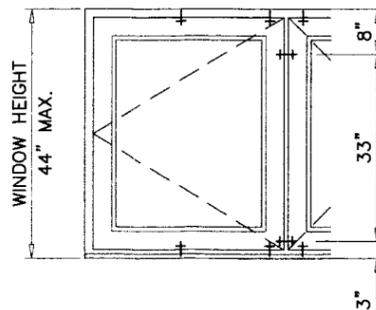
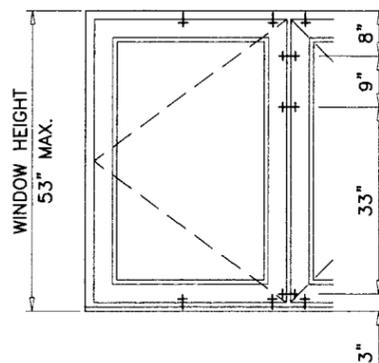
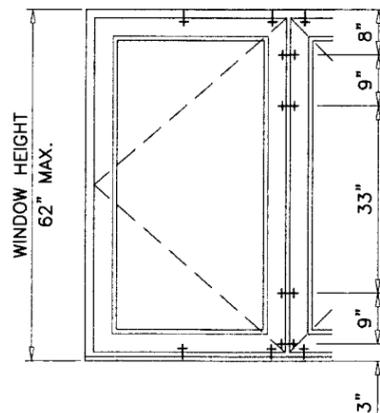
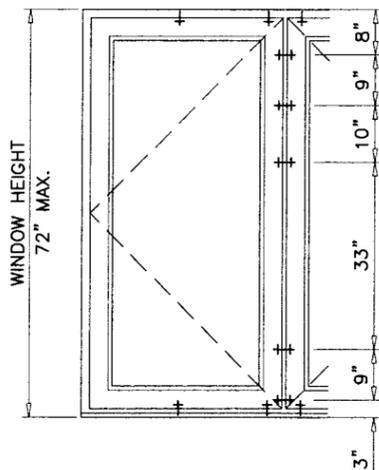
**HINGES**

- 2 PER PANEL UPTO 35" HIGH WINDOW
- 3 PER PANEL UPTO 53-1/2" HIGH WINDOW
- 4 PER PANEL UPTO 72" HIGH WINDOW



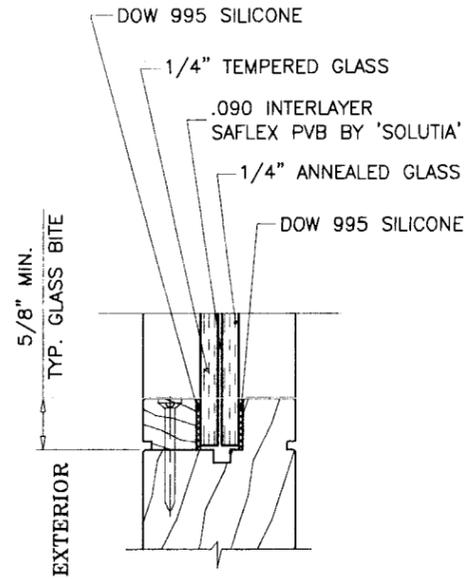
**LOCKING POINTS AT LOCK STILES**

- 2 LOCK POINTS UPTO 44" HIGH WINDOW
- 3 LOCK POINTS UPTO 53" HIGH WINDOW
- 4 LOCK POINTS UPTO 62" HIGH WINDOW
- 5 LOCK POINTS UPTO 72" HIGH WINDOW

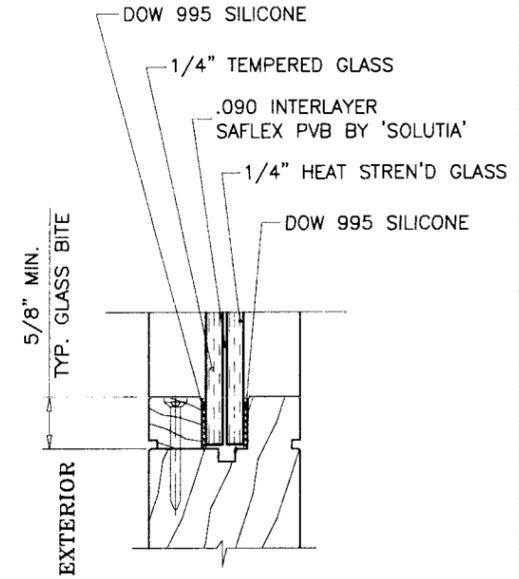


**LOCKING POINTS AT TOP & BOTTOM RAIL**

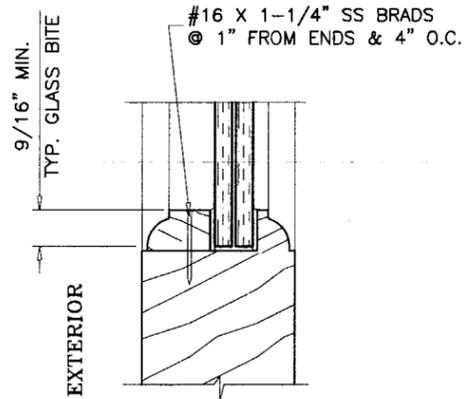
AT 2-1/2" FROM LOCK STILE & 16" O.C. SPACING



**GLASS TYPE 'A'**  
9/16" OVERALL GLASS



**GLASS TYPE 'B'**  
9/16" OVERALL GLASS



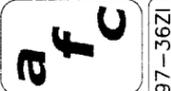
**ALTERNATE  
GLAZING STOP**

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

DEC 19 2008

PRODUCT REVISED  
as complying with the Florida  
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Acceptance No 08-0822-22  
Expiration Date 10/08/2011

By *Manuel Perez*  
Miami Code Product Control  
Division



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W97-36Z1

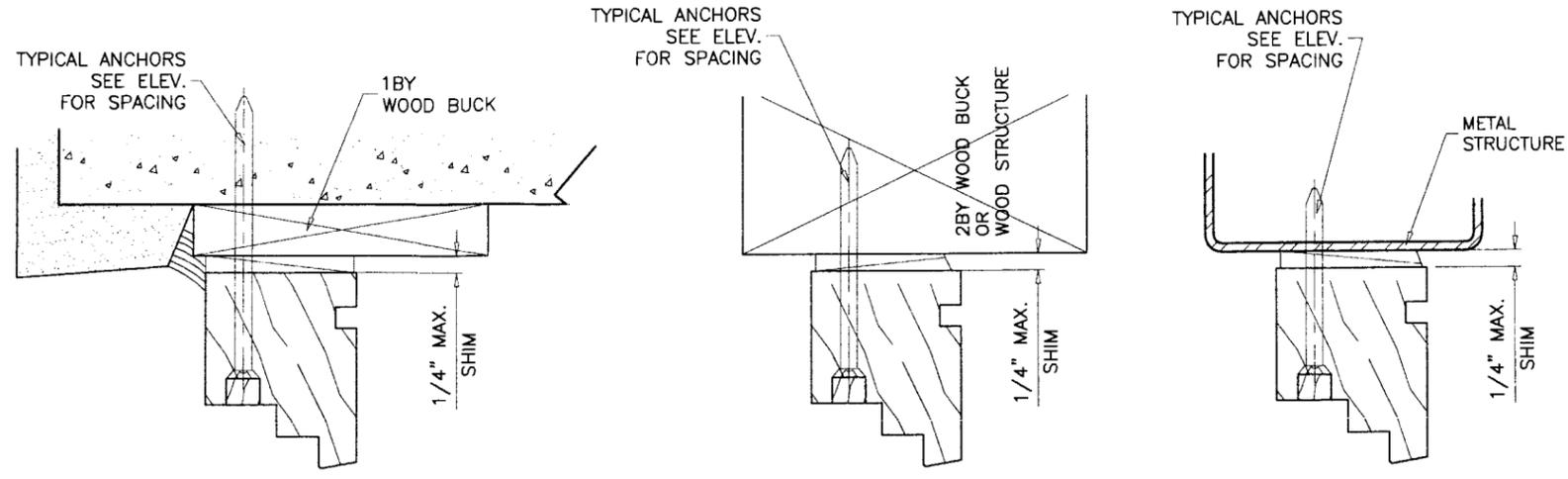
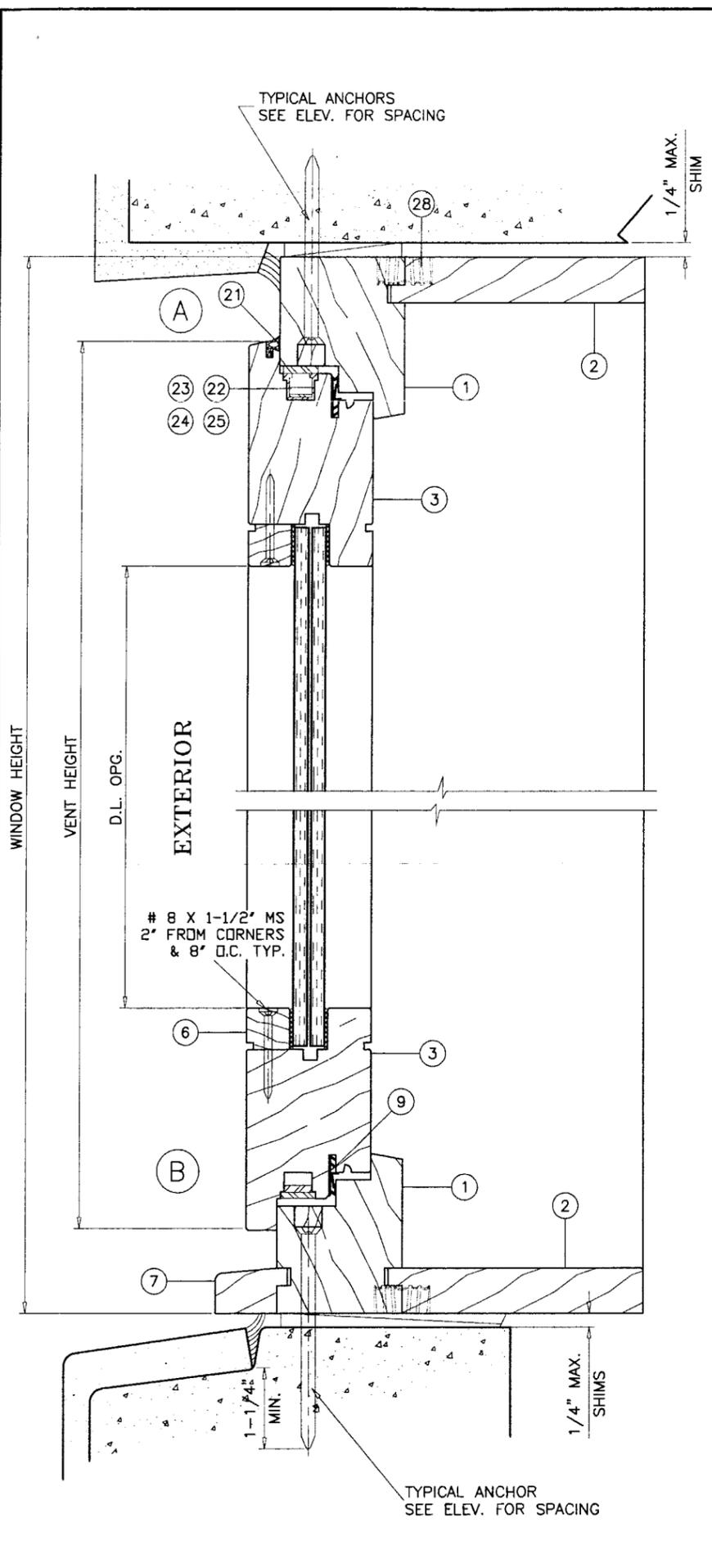
SERIES H4200 EUROPEAN OUTSWING WD. CASEMENT WDW. (L.M.I.)  
**ZELUCK INCORPORATED**  
5300 KINGS HIGHWAY  
BROOKLYN, N.Y. 11234-9011  
TEL. (718) 251-8060 FAX. (718) 531-2564

no	date	by	description
B	08.02.06		UPDATED FOR 2204 FBC
C	12.21.06		REV. PER BCCO COMMENTS
D	07.11.07		GENERAL REV.
E	12.09.08		NO CHANGE THIS SHEET

date: 11-11-97  
scale: 3/8" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W97-36**

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

- #14 SMS**  
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
 1-1/2" MIN. PENETRATION INTO WOOD  
**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)

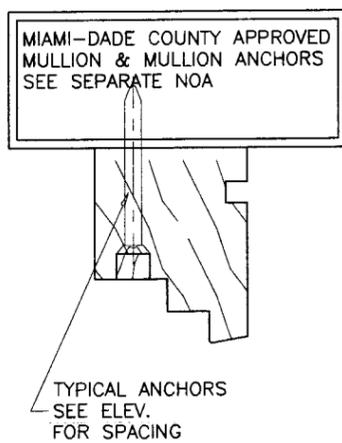
**TYPICAL EDGE DISTANCE**

- 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.

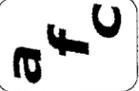
**SEALANTS:**

- 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: DR. HUMAYOUN FAROOQ  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538  
 DEC 19 2008

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 08-0822-22  
 Expiration Date 10/08/2011  
 By: *[Signature]*  
 Miami Dade Product Control  
 Division



**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 1235 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL\W97-36ZI

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MIAMI-DADE COUNTY APPROVED  
 MULLION & MULLION ANCHORS  
 SEE SEPARATE NOA

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REVISIONS:

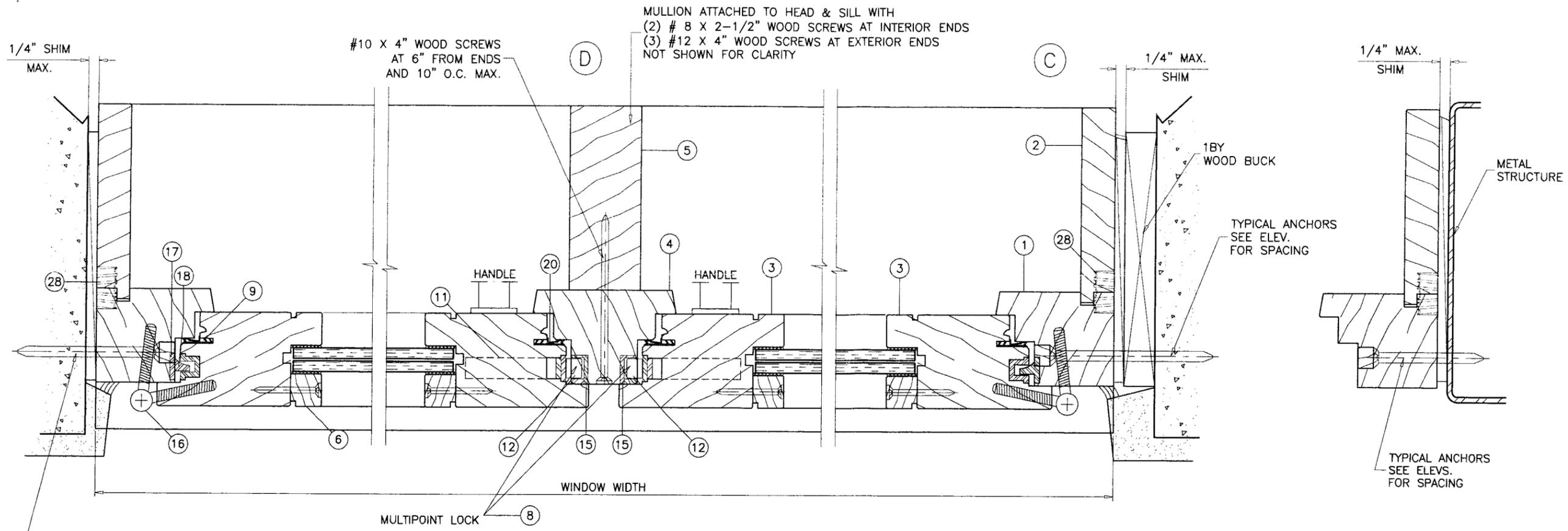
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C	12.21.06	NO CHANGE THIS SHEET
D	07.11.07	GENERAL REV.
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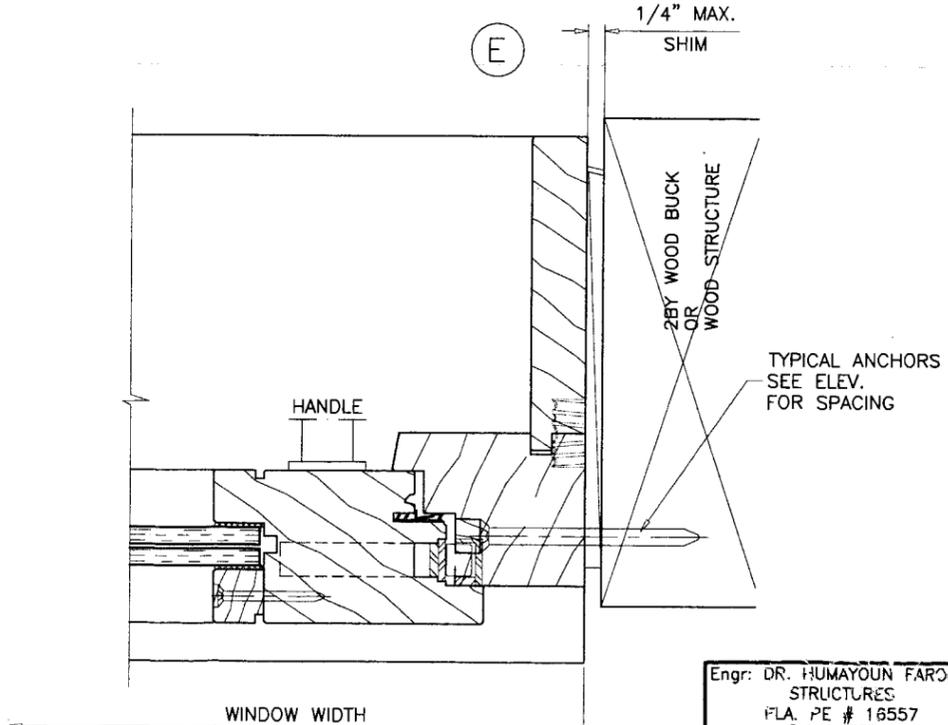
date: 11-11-97  
 scale: 3/8" = 1"  
 dr. by: HAM/D  
 chk. by:

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drawing no.  
**W97-36**  
 sheet 3 of 5



EXTERIOR



EXTERIOR

MULLION ATTACHED TO HEAD & SILL WITH  
 (2) # 8 X 2-1/2" WOOD SCREWS AT INTERIOR ENDS  
 (3) #12 X 4" WOOD SCREWS AT EXTERIOR ENDS  
 NOT SHOWN FOR CLARITY

#10 X 4" WOOD SCREWS  
 AT 6" FROM ENDS  
 AND 10" O.C. MAX.

1/4" SHIM  
 MAX.

1/4" MAX.  
 SHIM

1/4" MAX.  
 SHIM

TYPICAL ANCHOR  
 SEE ELEV.  
 FOR SPACING

TYPICAL ANCHORS  
 SEE ELEV.  
 FOR SPACING

TYPICAL ANCHORS  
 SEE ELEV.  
 FOR SPACING

TYPICAL ANCHORS  
 SEE ELEV.  
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Engr: DR. HUMAYOUN FAROOQ  
 STRUCTURES  
 FLA. PE # 18557  
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PRODUCT REVISED  
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 By: *Wahid Farooq*  
 Miami Dade Product Control  
 Division

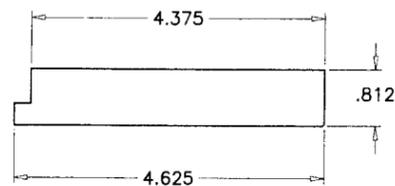
DEC 19 2008

**afc**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
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 MIAMI, FLORIDA 33174  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL W97-36Z1

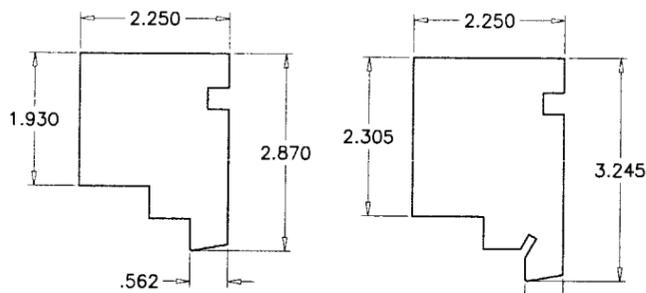
SERIES H4200 EUROPEAN OUTSWING WD. CASEMENT WD. (L.M.I.)  
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no	date	by	description
B	08.02.06		UPDATED FOR 2204 FBC
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date: 11-11-97  
 scale: 3/8" = 1"  
 dr. by: HAMID  
 chk. by:  
 drawing no. W97-36  
 sheet 4 of 5

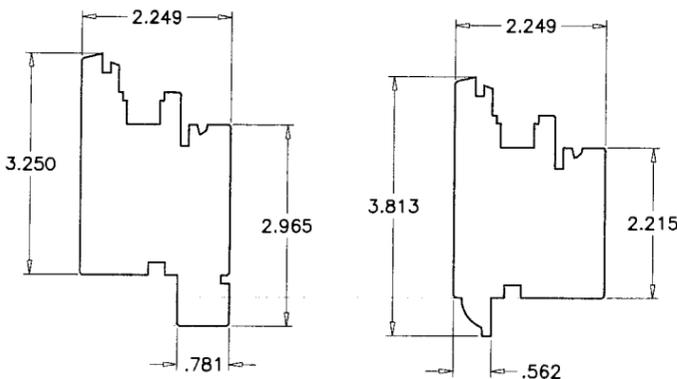


FRAME INSIDE TRIM  
WOOD



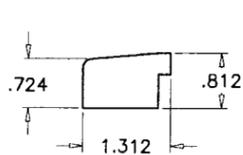
FRAMING MEMBER  
WOOD

ALT. FRAMING MEMBER  
WOOD

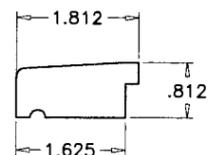


VENT MEMBER  
WOOD

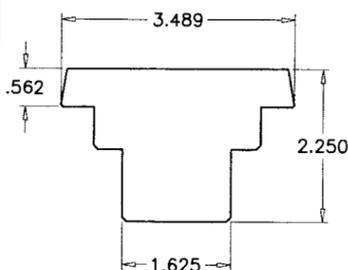
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WOOD



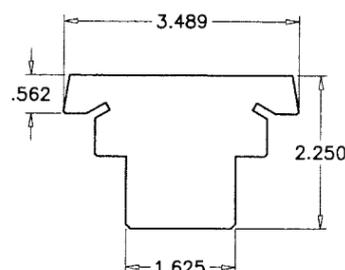
SILL  
WOOD



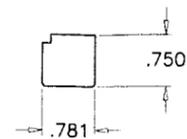
ALT. SILL  
WOOD



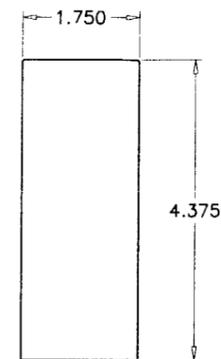
CENTER POST  
WOOD



ALT. CENTER POST  
WOOD



GLAZING STOP  
WOOD



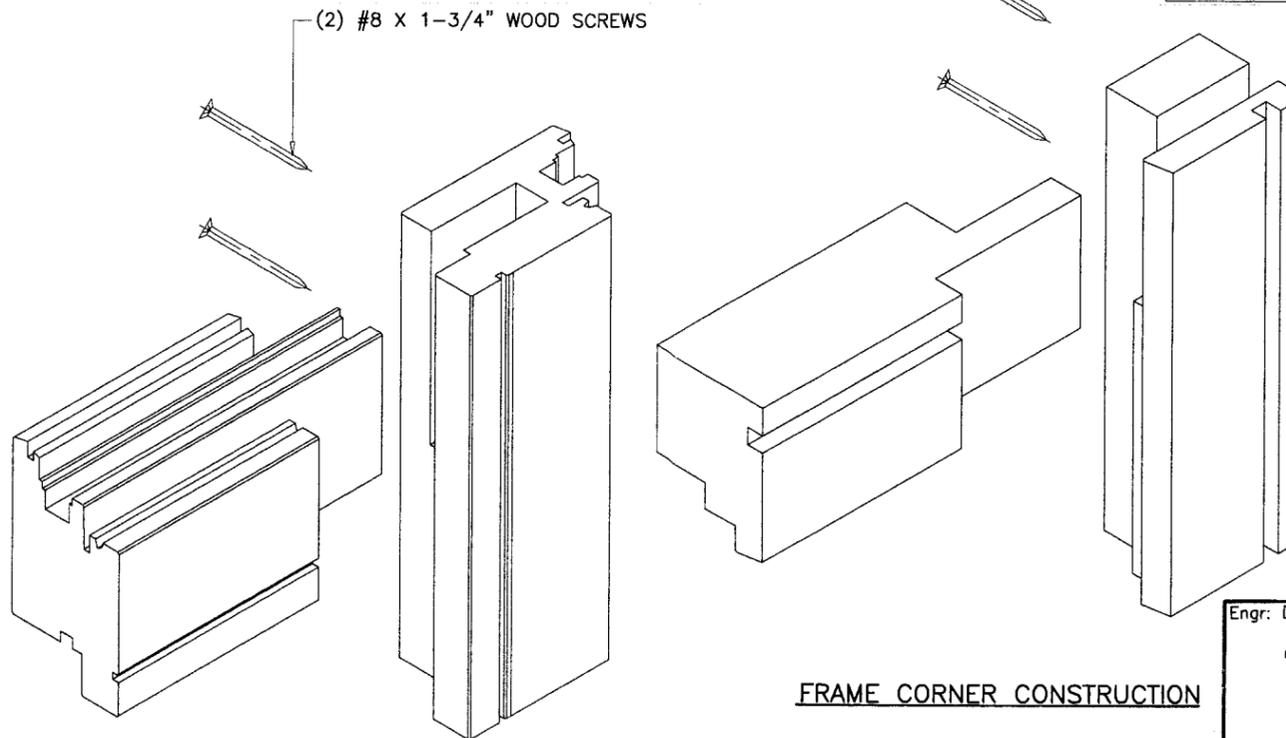
CENTER POST STIFFENER  
WOOD

ITEM #	REQD.	PART NO.	DESCRIPTION	REMARKS/SUPPLIER
1	4	-	FRAMING MEMBER (WOOD)	-
2	AS REQD.	-	FRAME INSIDE TRIM (WOOD)	-
3	4/ VENT	-	VENT MEMBER (WOOD)	-
4	AS REQD.	-	CENTER POST (WOOD)	-
5	AS REQD.	-	CENTER POST STIFFENER (WOOD)	-
6	4/ VENT	-	GLAZING STOP (WOOD)	-
7	1	-	SILL (WOOD)	-
8	SEE SHEET 2	-	MULTI POINT LOCK	-
9	AS REQD.	-	WEATHER STRIP (NEOPRENE)	-
11	2	DMGV 507	LOCKING GEAR 15MM BACKSET (ZINC CHRMT'D STEEL)	FUHR
12	4	DMVL 400 R	GEAR EXTENSION WITH ONE ROLLING PIN (ZINC CHRMT'D STEEL)	FUHR
13	4	DME 150 R2	CORNER TRANSMISSION WITH TWO ROLLING PINS (ZINC CHRMT'D STEEL)	FUHR
14	2	6-23057-00-0-3	WINDOW STAY EGO F20 (ZINC CHRMT'D STEEL)	FUHR
15	14	FAEZ 815564	ROLLING PIN KEEPER (ZINC CHRMT'D STEEL)	FUHR
16	SEE SHEET 2	C1 395 140 L007	SCREW-IN TYPE BRASS HINGE DIA. 14MM X 4 (BRASS)	FUHR
17	6	9-32832-00-0-3	METAL SNUBBER (ZINC CHRMT'D STEEL)	FUHR
18	6	9-32833-00-0-3	METAL KEEPER FOR SNUBBER (ZINC CHRMT'D STEEL)	FUHR
19	2	MDCE Z/445 28X70	WINDOW HANDLE (SOLID BRASS)	ZELUCK
20	2	F 1153 FAIZ80502	SASH WEATHERSTRIPPING-PERIMETER (NEOPRENE)	BMP
21	2	F 1149	SASH WEATHERSTRIPPING-TOP RAIL (NEOPRENE)	BMP
22	1	FAIZ805213	LINKAGE E;SZ 2 MV (ZINC CHRMT'D STEEL)	FUHR
23	1	FABZ805503	WINDOW STAY KEEPER (ZINC CHRMT'D STEEL)	FUHR
24	2	JZ 76320	WINDOW STAY KEEPER (ZINC CHRMT'D STEEL)	FUHR
25	2	JZS	SNAP ON C - RING FOR KEEPER (ZINC CHRMT'D STEEL)	FUHR
26	2	6831-1489	HANDLE SPINDLE (ZINC CHRMT'D STEEL)	FUHR
27	2	DZ84	90 DEGREE HANDLE LIMMITER (ZINC CHRMT'D STEEL)	FUHR
28	AS REQD.	-	CORRUGATED STEEL FASTENERS, AT 1" FROM ENDS AND 5" O.C. MAX.	-

(2) #8 x 1-3/4" WOOD SCREWS

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

(2) #8 x 1-3/4" WOOD SCREWS



PANEL CORNER CONSTRUCTION

FRAME CORNER CONSTRUCTION

FRAME AND PANEL CORNERS SEALED/GLUED WITH  
'PHENYL RESORCINOL' WATER PROOF ADHESIVE

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

DEC 19 2008

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 08-0822-22  
Expiration Date 10/08/2011

By *Muhammad Qureshi*  
Miami Dade Product Control  
Division

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

SERIES H4200 EUROPEAN OUTSWING WD. CASEMENT WDW. (L.M.I.)  
**ZELUCK INCORPORATED**  
5300 KINGS HIGHWAY  
BROOKLYN, N.Y. 11234-9011  
TEL. (718) 251-8060 FAX. (718) 531-2564

no	date	description
B	08.02.06	UPDATED FOR 2004 FBC
C	12.21.06	NO CHANGE THIS SHEET
D	07.11.07	GENERAL REV.
E	12.09.08	UPDATED FOR 2007 FBC

date: 11-11-97  
scale: 3/8" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W97-36**

sheet 5 of 5

COMP - ANL W97-36Z1