



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

Louverlight Window Products, Inc.
9401 NW 109 Street, Bay # 7
Medley, FL 33178

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: Outswing Aluminum Casement Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W03-88**, titled "Aluminum Casement Window (L.M.I.)", sheets 1 through 4 of 4, dated 10/01/03 with revision B dated 04/06/09, 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 and renews** NOA # **04-0129.01** 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. 09-0528.07
Expiration Date: June 10, 2014
Approval Date: July 29, 2009
Page 1

Louverlight Window Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

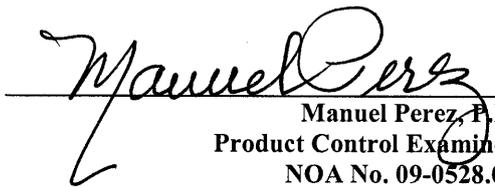
1. Manufacturer's die drawings and sections.
2. Drawing No **W03-88**, Sheets 1 through 4 of 4, titled "Aluminum Casement Window (L.M.I)", dated 10/01/03 with revision B dated 04/06/09, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 3603.2 (b) and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum casement window w/mullion, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-1342**, dated September 15, 2003, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under previous NOA# 04-0129.01)
2. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum casement window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-1850A**, dated September 15, 2003, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under previous NOA# 04-0129.01)
3. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum casement window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-1850B**, dated September 15, 2003, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under previous NOA# 04-0129.01)
4. Tensile Test prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-T071**, dated October 7, 2003, tested per **ASTM E8-01e1**, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under previous NOA# 04-0129.01)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 04/06/09, signed and sealed by Arshad Viqar, P.E.
Complies with ASTM E1300-02/04


Manuel Perez, P.E.
Product Control Examiner
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D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex IIIIG Clear or colored interlayer**" dated 05/04/06, expiring on 05/21/11.

F. STATEMENTS

1. Statement letter of conformance, dated May 7, 2009, signed and sealed by Arshad Viqar, P.E.
2. Statement letter of no financial interest, dated May 7, 2009, signed and sealed by Arshad Viqar, P.E.

G. OTHERS

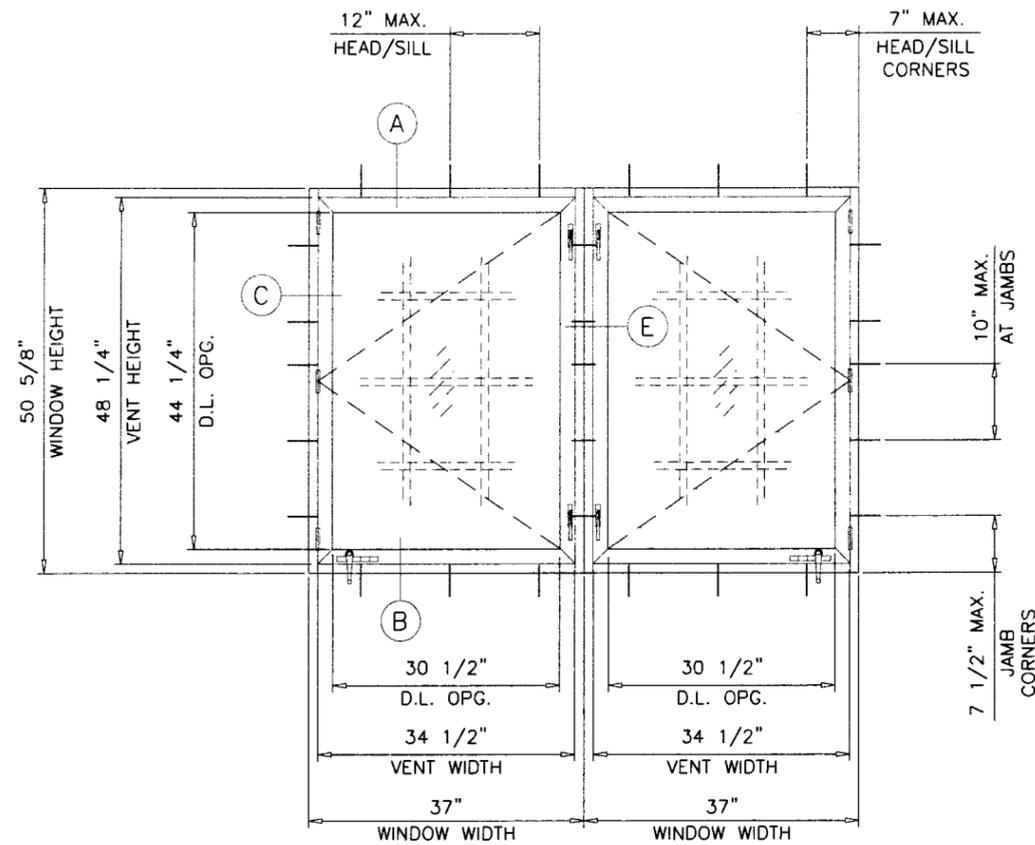
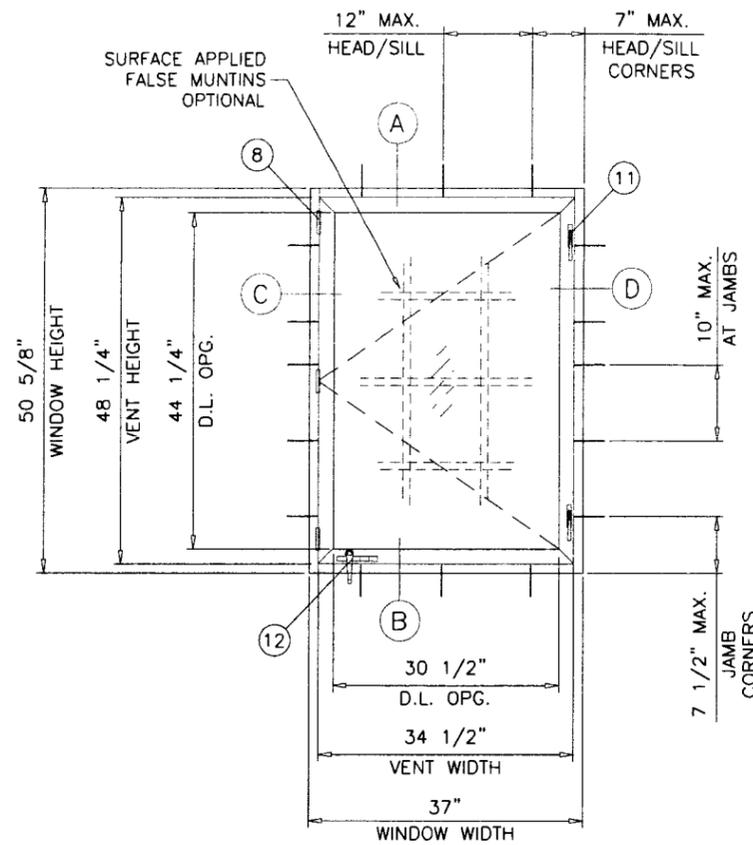
1. Notice of Acceptance No. **04-0129.01**, issued to Louverlight Window Products, Inc. for their Aluminum Casement Window - L.M.I., approved on 06/10/04 and expiring on 06/10/09.


Manuel Perez, P.E.
Product Control Examiner

NOA No. 09-0528.07

Expiration Date: June 10, 2014

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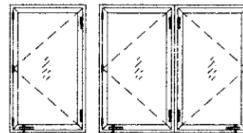
TYPICAL ELEVATION
TESTED UNIT
VIEWED FROM INTERIOR

MAXIMUM DESIGN LOAD RATING = + 60.0 PSF
(FOR SIZES SHOWN ABOVE OR SMALLER) - 70.0 PSF

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

ALUMINUM CASEMENT WINDOW (L.M.I.)

APPROVAL APPLIES TO SINGLE CASEMENT WINDOWS, ALSO COMBINATIONS OF CASMT/CASMT OR CASMT WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING 1X3 ALUMINUM TUBE MULLIONS IN BETWEEN.



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).

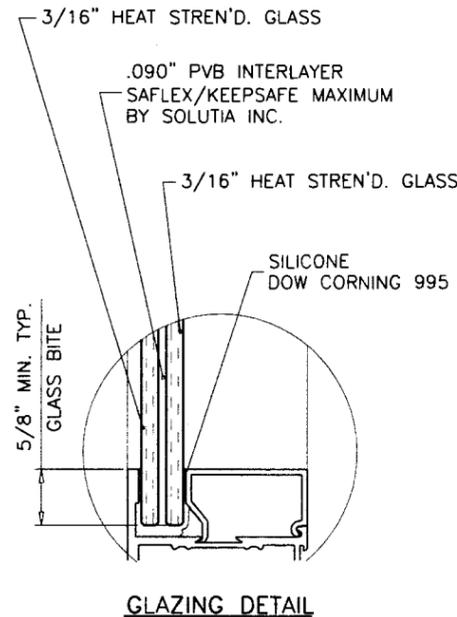
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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.



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

LAMINATED GLASS
LARGE MISSILE IMPACT

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

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Acceptance No. 09-0528.07
Expiration Date JUNE 10, 2014

Arshad Viqar
MAY 07 2009

By *Mamun Peraz*
Miami Dade Product Control
Division

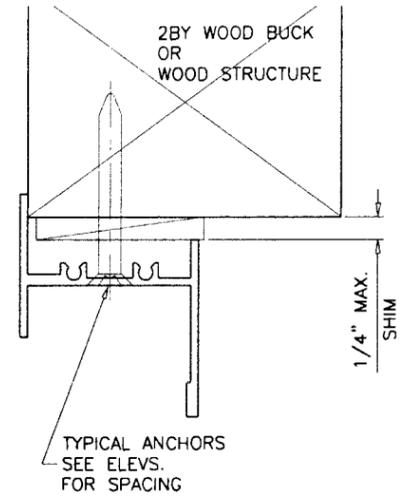
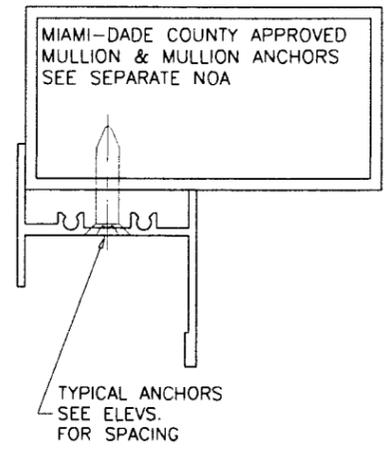
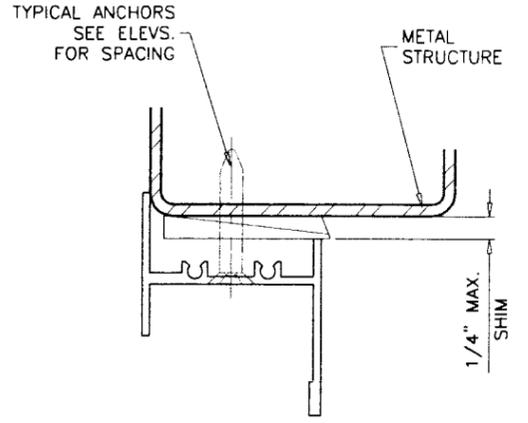
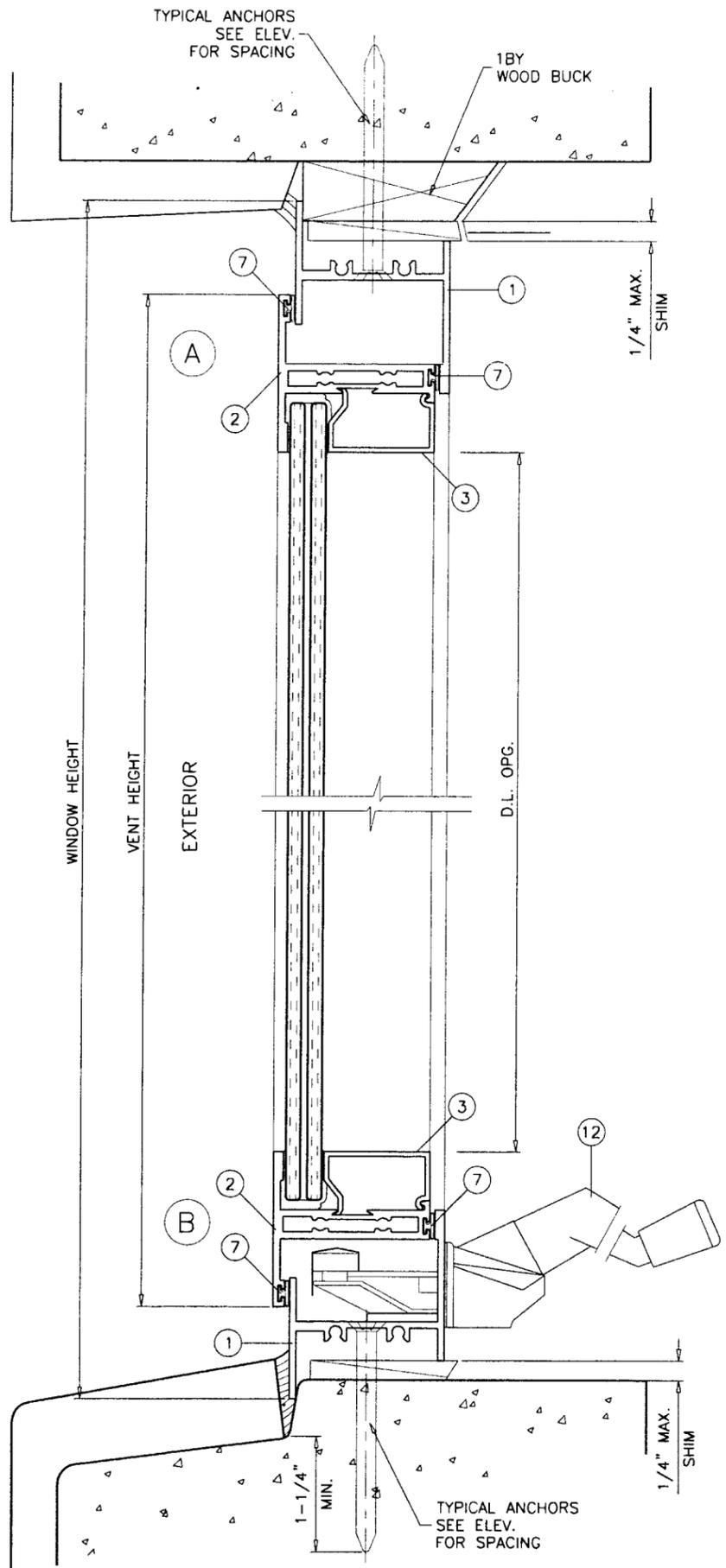
afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W03-88LLW

ALUMINUM CASEMENT WINDOW (L.M.I.)
LOUVERLIGHT WINDOW PRODUCTS INC.
9401 N.W. 109 STREET #7
MEDLEY, FL. 33178
TEL. (305) 888-8554 FAX (305) 888-6019

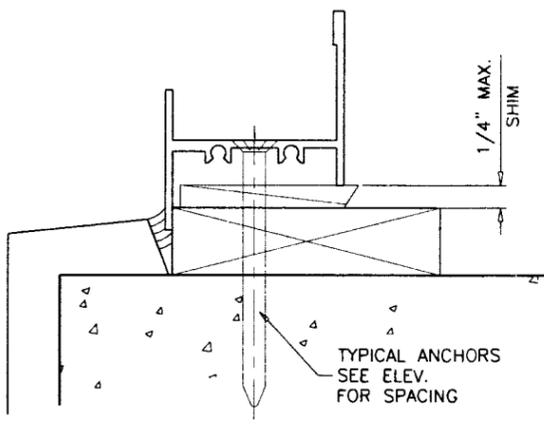
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B	04.06.09	UPDATED FOR 2007 FBC

date:	10-01-03
scale:	1/2" = 1'-0"
dr. by:	HAMID
chk. by:	

drawing no.	W03-88
sheet	1 of 4



WOOD BUCKS AND METAL STRUCTURE NOT BY LOUVERLIGHT WDWS. 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
 1-3/8" 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 SELF DRILLING SCREWS (GRADE 5 CRS)
 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)

#12 SELF DRILLING SCREWS (GRADE 5 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
 (NO SHIM SPACE)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND BLOCK = 1-1/4" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 1/2" MIN.

CONCRETE f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

SEALANTS:
 ALL FRAME AND VENT CORNERS AND INSTALLATION SCREWS SEALED WITH SCHNEE MOREHEAD 5504 SEALANT.

Engr: ARSHAD VIQAR
 CIVIL
 FLA. PE # 38563
 C.A.N. 3538
 MAY 07 2009

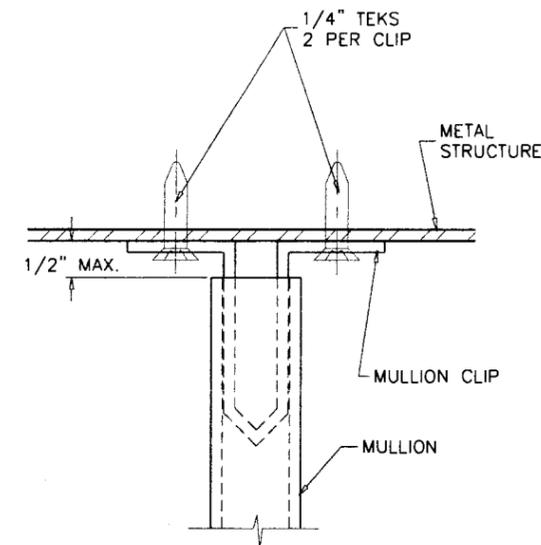
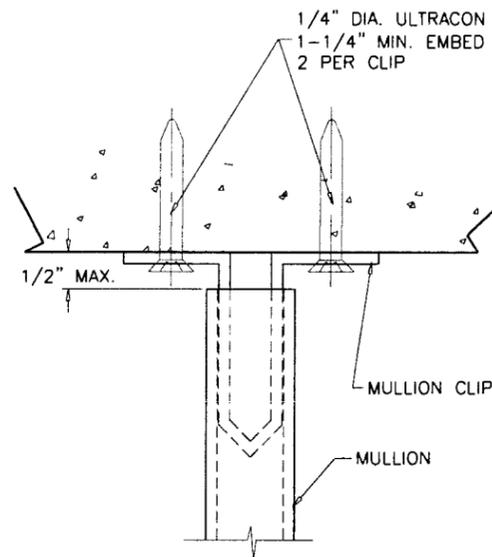
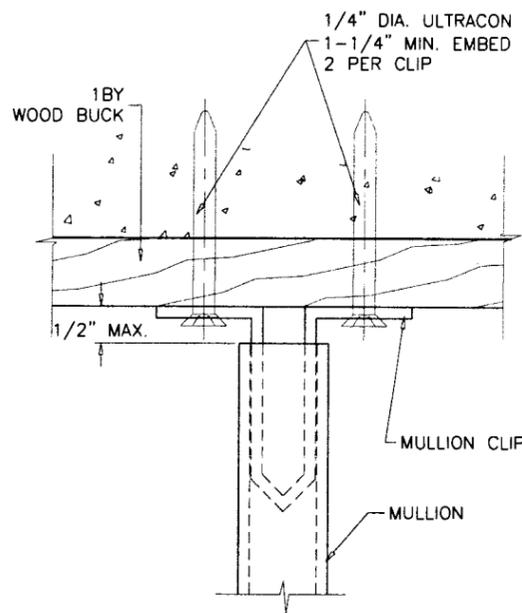
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 By: *Manuel Paez*
 Miami-Dade Product Control
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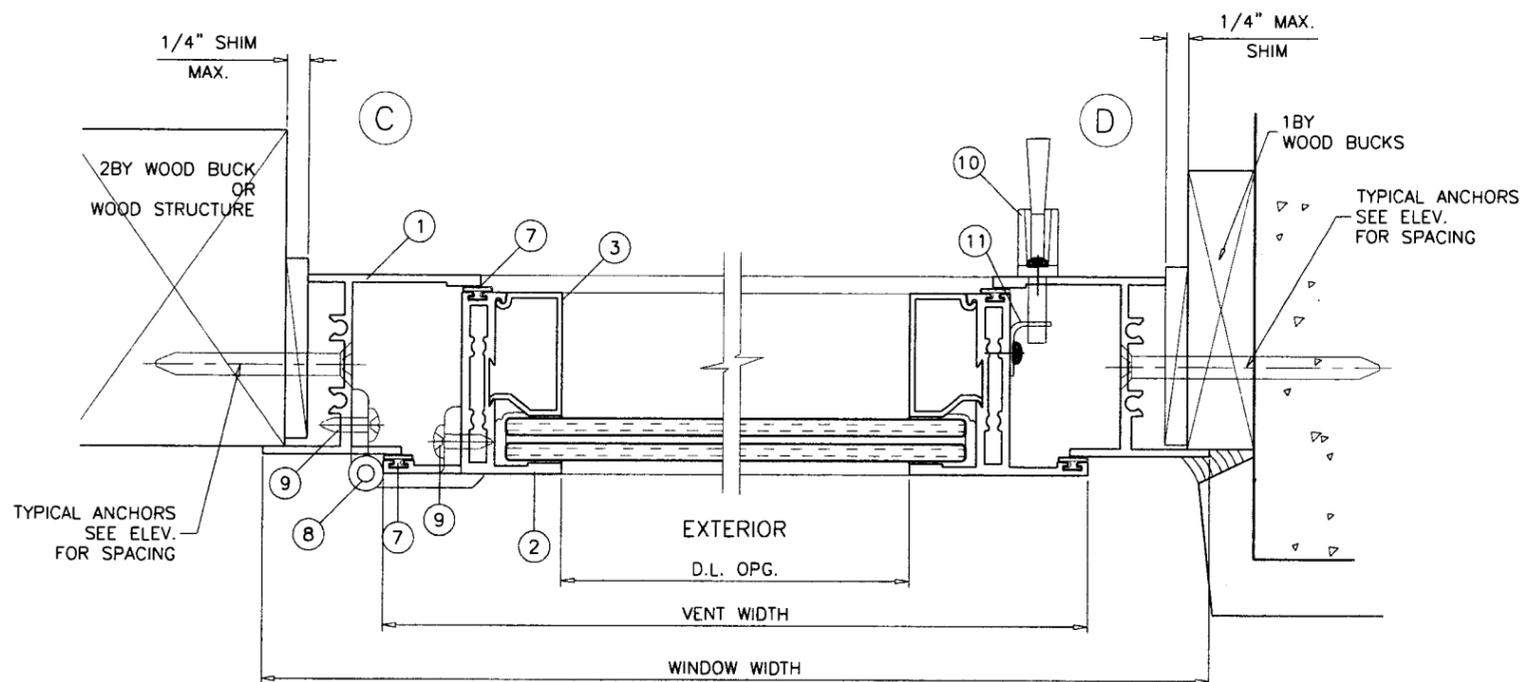
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no	date	by	description
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B	04.06.09		UPDATED FOR 2007 FBC

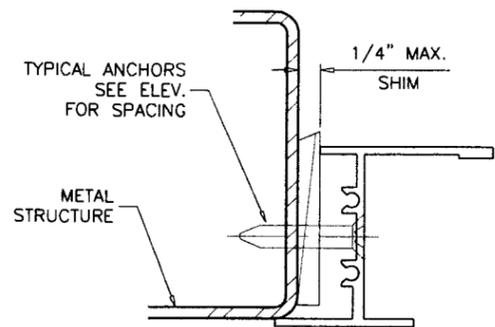
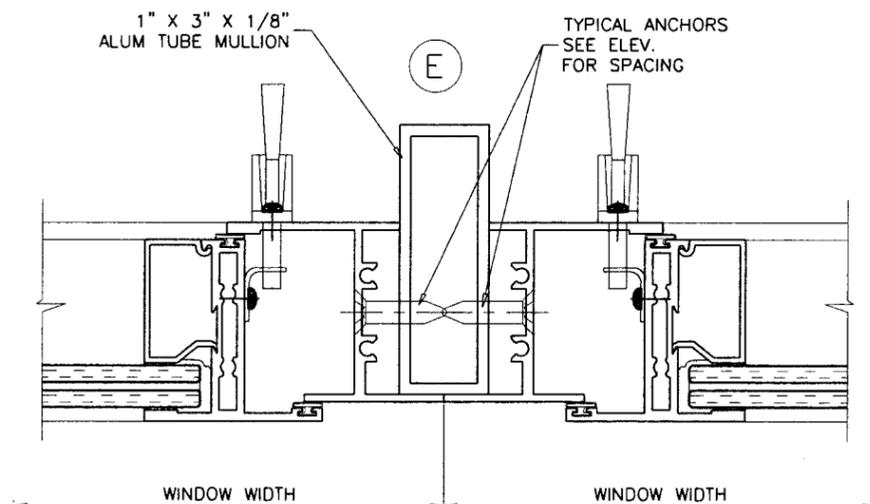
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 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:
 drawing no. **W03-88**
 sheet 2 of 4



MULLION CONNECTION
TYP. AT HEAD/SILL



SINGLE VENT WINDOWS



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By *Mamun Peris*
Miami Dade Product Control

Engr: ARSHAD VIQAR
CIVIL
FLA. PE # 38363
C.A.N. 3538
Ar
MAY 07 2009

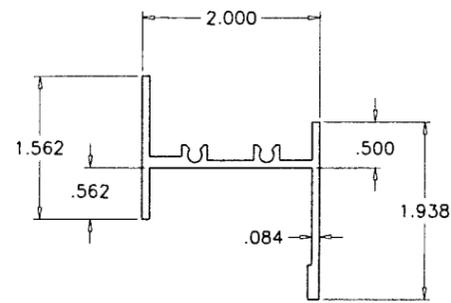
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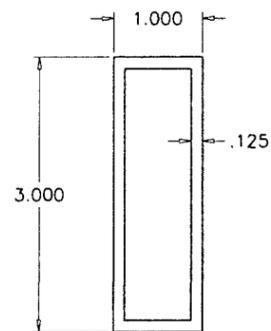
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B	04.06.09	UPDATED FOR 2007 FBC	UPDATED FOR 2007 FBC

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chk. by:

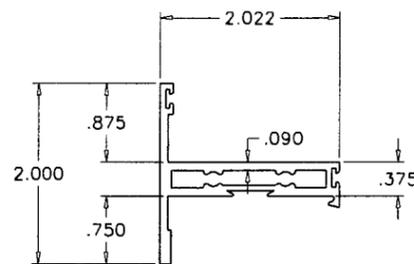
drawing no.
W03-88
sheet 3 of 4



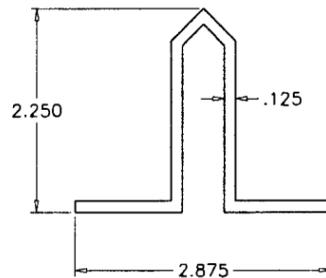
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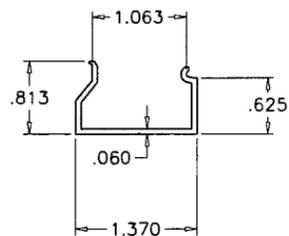
MULLION



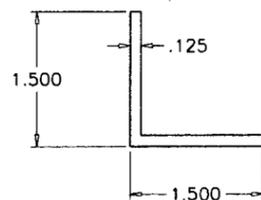
2 VENT



MULLION CLIP

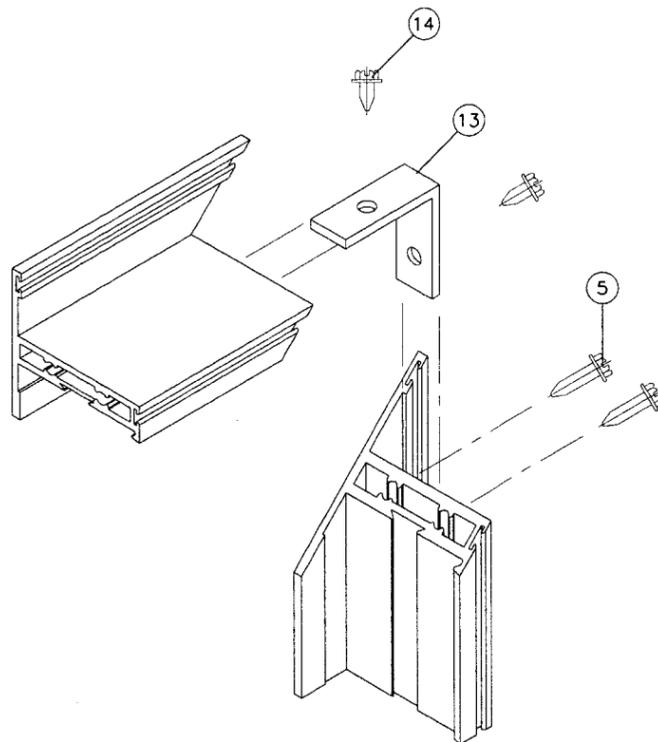


4 GLAZING BEAD

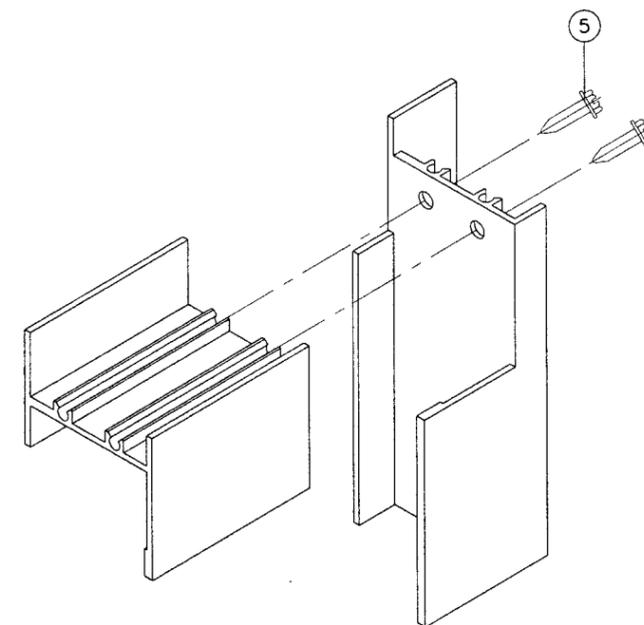


13 CORNER KEY

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	LWP-17-1	4	WINDOW FRAME	6063-T5	-
2	LWP-17-2	4	VENT FRAME	6063-T5	-
3	-	-	-	-	-
4	LWP-17-3	AS REQD.	GLAZING BEAD	6063-T5	-
5	-	AS REQD.	ASSEMBLY SCREWS	ST. STEEL	#10 X 1" HWH SMS
6	-	-	-	-	-
7	-	AS REQD.	VENT WEATHERSTRIPPING, 3/16" BULB	VINYL	REED RUBBER CO.
8	-	3/ VENT	HINGES, 1-1/2" X 3" EXTRUDED	ALUMINUM	-
9	#10 X 1/2"	4/ HINGE	HINGE INSTALLATION SCREWS	-	PH MS
10	-	2/ VENT	LEVER TYPE FACE MOUNT LOCK	STEEL	TRUTH, ATTACHED W/ (2) #10 X 5/8" MS
11	-	2/ VENT	LOCK KEEPERS, AT FRAME JAMB FACING LOCK	STEEL	ATTACHED W/ (4) #10 X 3/8" SS SMS
12	-	1/ VENT	ROTO OPERATOR	STEEL	TRUTH, ATTACHED W/ (4) #10 X 3/8" SS SMS
13	-	1/ CORNER	CORNER KEY	ALUMINUM	1-1/2" X 1-1/2" X 1/2" X 1/8" THK.
14	-	2/ CORNER	CORNER KEY SCREWS	-	#10 X 1/4" MS



VENT CORNER



FRAME CORNER

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 By *Mameel Pro*
 Miami Dade Product Control
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