



**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**

NOTICE OF ACCEPTANCE (NOA)

**Louverlight Window Products, Inc.
9401 NW 109 Street #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: Aluminum Casement Window - Impact

APPROVAL DOCUMENT: Drawing No. **W03-88**, titled "Aluminum Casement Window (Impact)", sheets 1 through 4 of 4, dated 10/01/03, with revision A dated 5/11/04, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval 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 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 04-0129.01
Expiration Date: June 10, 2009
Approval Date: June 10, 2004
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**, titled "Aluminum Casement Window (Impact)", sheets 1 through 4 of 4, dated 10/01/03, with revision A dated 5/11/04, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

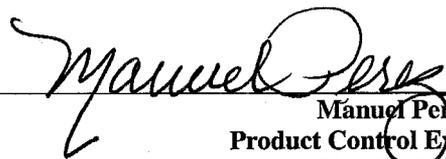
1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 3603.2 (b) and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum 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.
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.
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.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by Al-Farooq Corporation, dated 01/15/04 and 5/11/04, signed and sealed by Humayoun Farooq, P.E.

D. QUALITY ASSURANCE

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



Manuel Perez, P.E.
Product Control Examiner
NOA No 04-0129.01
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E. MATERIAL CERTIFICATIONS

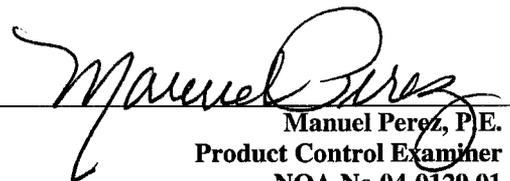
1. Notice of Acceptance No. **01-0205.02** issued to Solutia Inc. for their “**Saflex /Keepsafe Maximum**” dated 05/17/01, expiring on 05/21/06.
2. Tensile Test prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-T071**, dated October 7, 2003, tested per **ASTM E8-01e1**, signed and sealed by Rafael E. Droz-Seda, P.E.

F. STATEMENTS

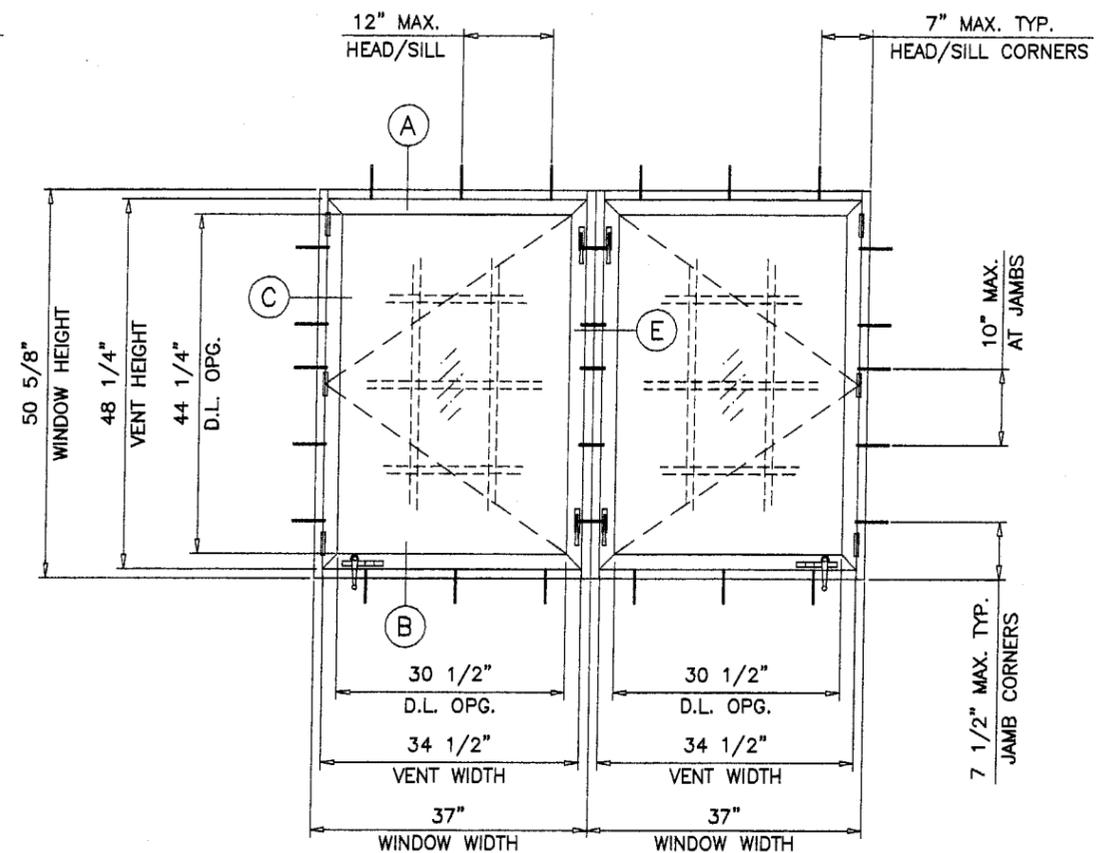
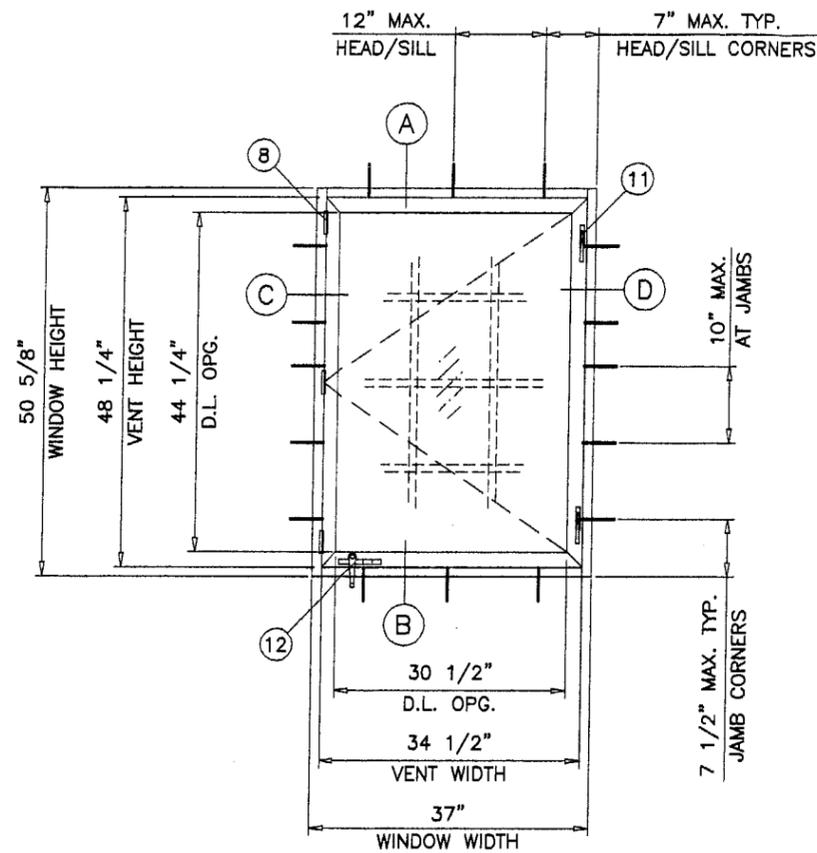
1. Statement letter of compliance, dated January 15, 2004, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated January 15, 2004, signed and sealed by Humayoun Farooq, P.E.

G. OTHER

1. None.


Manuel Perez, P.E.
Product Control Examiner
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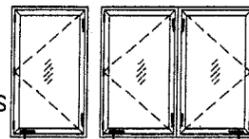
TYPICAL ELEVATION
TESTED UNIT
VIEWED FROM INTERIOR

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

ALUMINUM CASEMENT WINDOW (IMPACT)

WINDOWS GLAZED WITH LAMINATED GLASS RATED FOR LARGE MISSILE IMPACT AND DO NOT REQUIRE SHUTTERS.

APPROVAL APPLIES TO SINGLE VENT WINDOWS ALSO SIDE BY SIDE COMBINATIONS OF CASEMENT/CASEMENT OR WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING APPROVED MULLIONS.



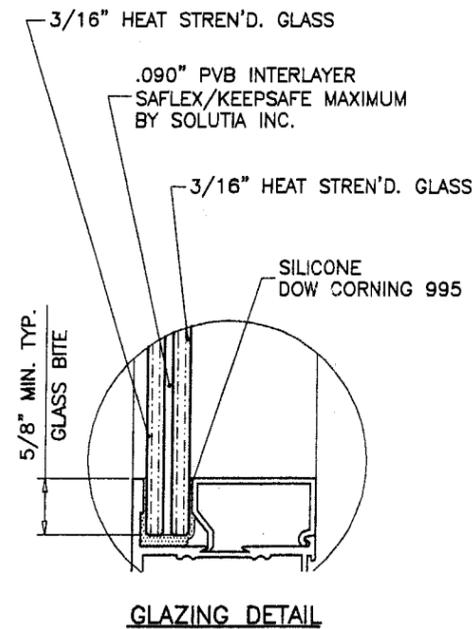
THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2001 FLORIDA BUILDING CODE.

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

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR 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.

STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED WITH A HEAVY BODIED BITUMINOUS PAINT OR BE GALVANIZED.



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

Approved as complying with the Florida Building Code
Date JUNE 10, 2004
NOA# 04-0129.01
Miami Dade Product Control
Division
By Manuel Perez

MAY 13 2004

afsc

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

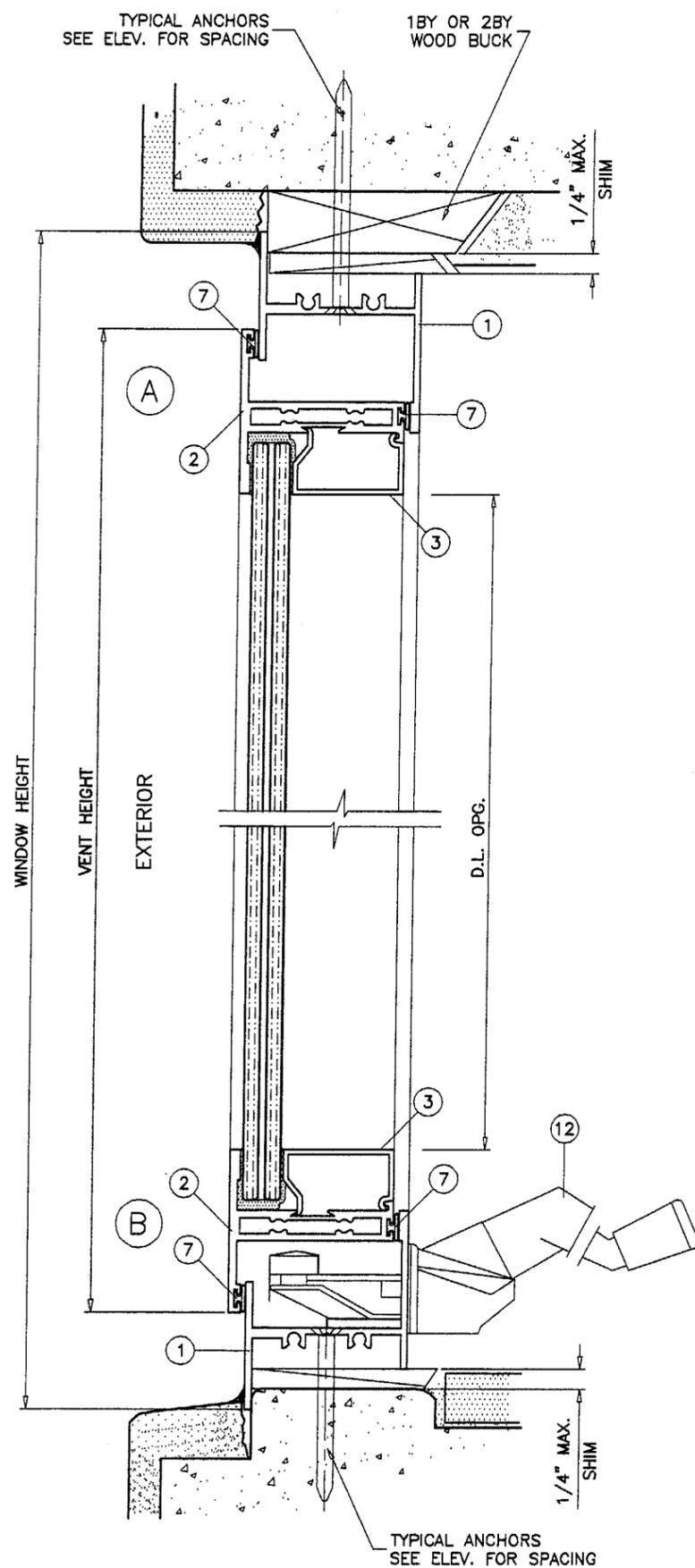
ALUMINUM CASEMENT WINDOW (IMPACT)
LOUVERLIGHT WINDOW PRODUCTS INC.
9401 N.W. 109 STREET #7
MEDLEY, FL. 33178
TEL. (305) 888-8554 FAX (305) 888-6019

no	date	description
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scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W03-88

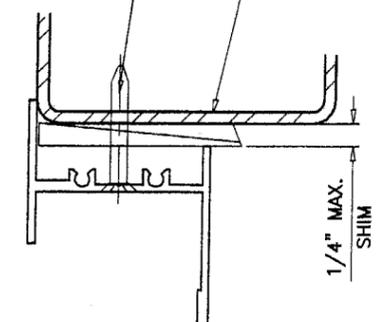
sheet 1 of 4



TYPICAL ANCHORS
SEE ELEV. FOR SPACING

1BY OR 2BY
WOOD BUCK

1/4" MAX.
SHIM

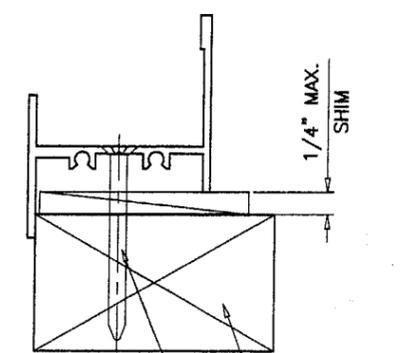


METAL STRUCTURES
(STEEL OR ALUM. 1/8" MIN. THICK)

STEEL : $F_y = 36$ KSI MIN.
ALUMINUM : 6063-T5 MIN.

TYPICAL ANCHORS
SEE ELEV. FOR SPACING

1/4" MAX.
SHIM



TYPICAL ANCHORS
SEE ELEV. FOR SPACING

2 BY
WOOD BUCK

1/4" MAX.
SHIM

WOOD BUCKS NOT BY LOUVERLIGHT 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
1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

1/4" TEKS OR SELF DRILLING SCREWS

INTO METAL STRUCTURES (1/8" MIN. THICKNESS)
(1/4" MAX. SHIM SPACE)

#12 SMS OR SELF DRILLING SCREWS

INTO MULLION
(NO SHIM SPACE)

SEALANTS:

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

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

MAY 13 2004

Approved: *[Signature]*
Date: JUNE 10, 2004
NOAH 04-0129.01
Miami Dade Product Control
Division

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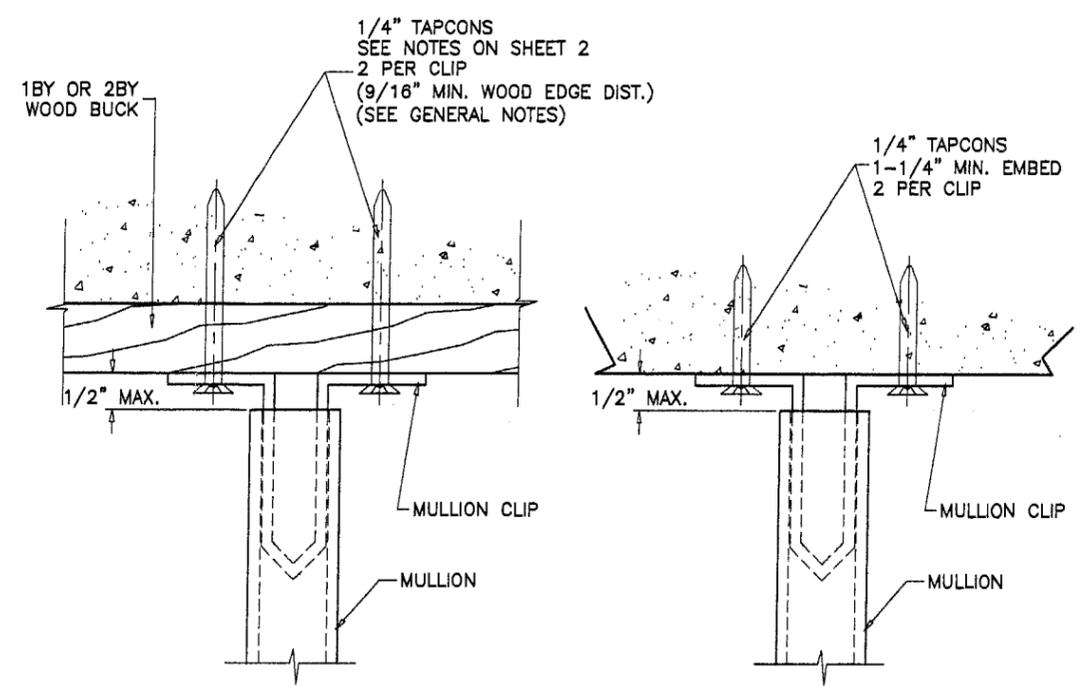
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
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MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W03-88LLW

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

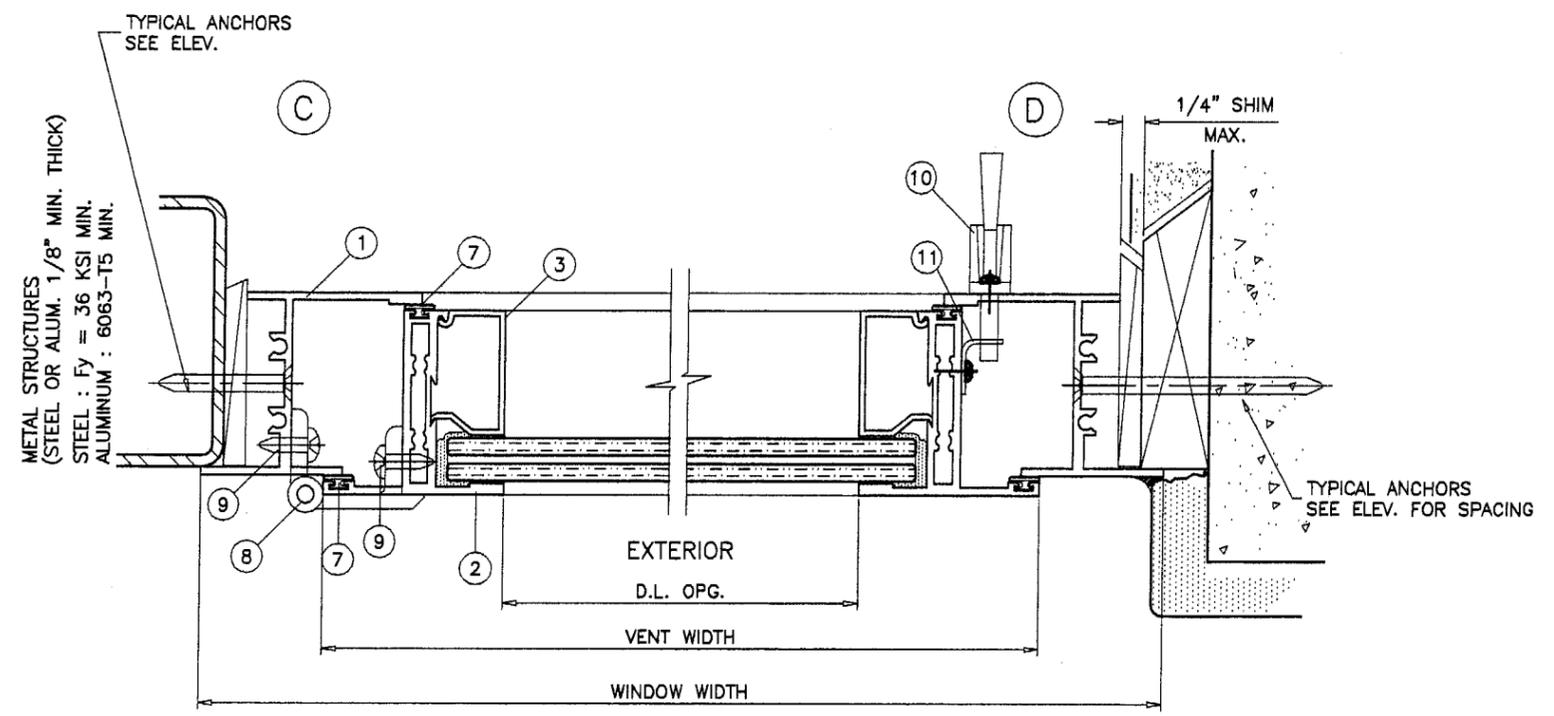
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chk. by:

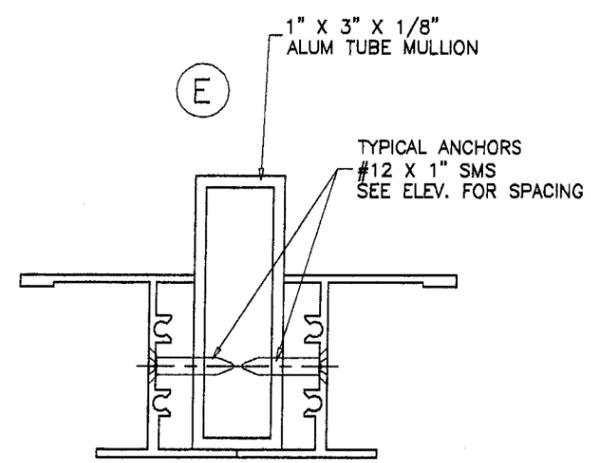
drawing no. **W03-88**
sheet 2 of 4



MULLION CONNECTION
 TYP. AT HEAD/SILL



SINGLE VENT WINDOWS



Engr: DR. HUMAYUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
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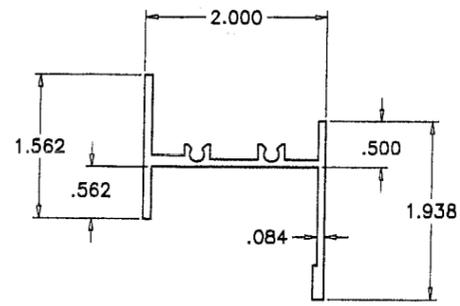
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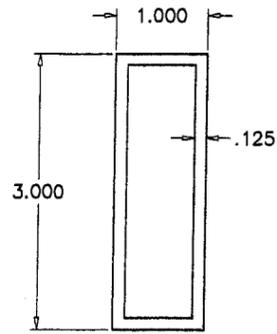
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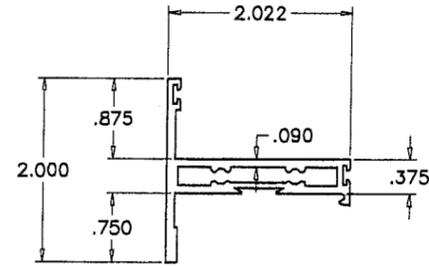
sheet 3 of 4



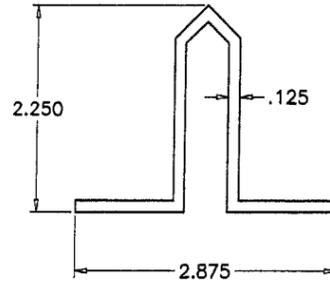
① FRAME



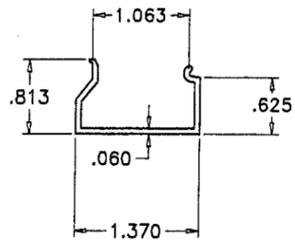
MULLION



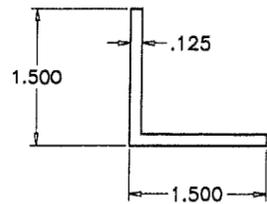
② VENT



MULLION CLIP

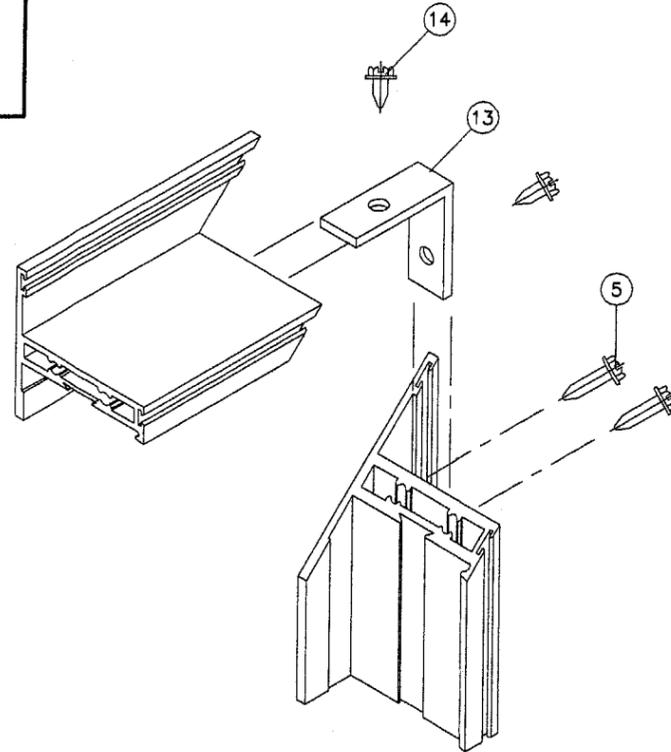


④ GLAZING BEAD

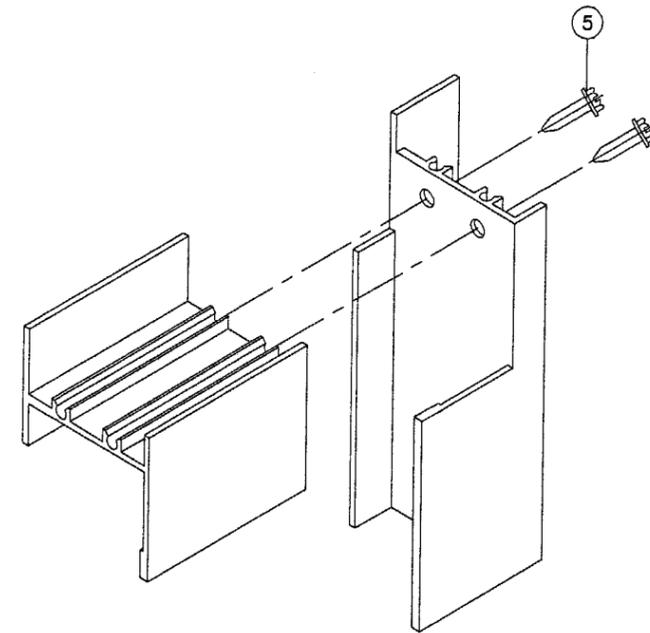


⑬ CORNER KEY

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

Engr: DR. HUMAYOUN FAROOQ
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sheet 4 of 4

afsc

COMP-ANL W03-88LLW