



**DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

**Curv-A-Tech Corporation
930 West 23rd Street
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 and accepted by Miami-Dade County PERA - Product Control Section 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 Section (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. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 "930" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W07-01**, titled "Series-930 Aluminum Fixed Window (LMI.)", sheets 1 through 5 of 5 dated 01/11/07 with revision A dated 12/07/11, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 Section.

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, model/series, 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 # 07-0201.05** 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.**



MP
3/16/12

**NOA No. 12-0124.01
Expiration Date: April 12, 2017
Approval Date: March 22, 2012
Page 1**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W07-01**, titled "Series-930 Aluminum Fixed Window (LMI.)", sheets 1 through 5 of 5, dated 01/11/07 with revision A dated 12/07/11, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

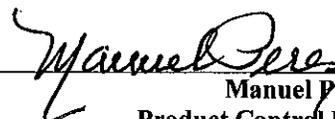
1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test, per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading, per FBC, TAS 203-94along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Fenestration Testing Laboratories, Test Report No. **FTL- 5073**, dated 10/23/06, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under previous NOA#07-0201.05)
2. 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 203-94along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Fenestration Testing Laboratories, Test Report No. **FTL- 5074** dated 11/08/06, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under previous NOA#07-0201.05)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis complying with FBC-2010, prepared by Al Farooq Corporation, dated 12/07/11, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).



Manuel Perez, P.E.

Product Control Examiner
NOA No. 12-0124.01

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E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0325.05** issued to Solutia, Inc. for their "**Saflex and Vanceva clear and color interlayers**" dated 05/05/11, expiring on 05/21/16
2. Notice of Acceptance No. **08-0709.04** issued to **Glasslam N.G.I., Inc.** for their "**Safety-Plus II Laminated Glass**" dated 09/11/08, expiring on 08/07/13.
3. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated December 07, 2011, signed and sealed by Javad Ahmad, P.E.
2. Laboratory compliance letter for Test Report No. **FTL-5073**, issued by Fenestration Testing Laboratory, Inc, dated 11/29/06, signed and sealed by Edmundo Largaespada, P. E.
(Submitted under previous NOA No. 05-0105.01)

G. OTHER

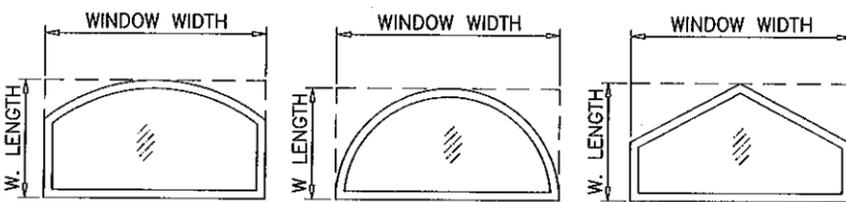
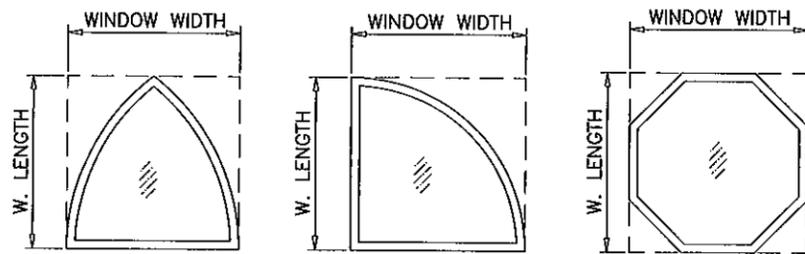
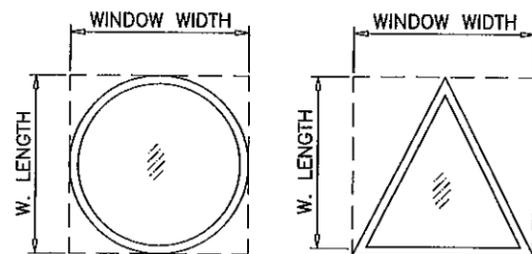
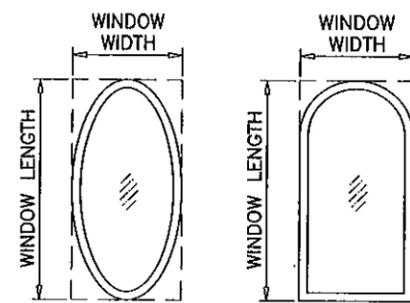
1. Notice of Acceptance No. **07-0201.05**, issued to Curv-A-Tech Corporation for their Series 930 Aluminum Fixed Window – Impact, approved on 04/12/07 and expiring on 04/12/17.


Manuel Perez, P.E.
Product Control Examiner

NOA No. 12-0124.01

Expiration Date: April 12, 2017

Approval Date: March 22, 2012



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.

SERIES 930 ALUMINUM FIXED WINDOW

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIXED/FIXED OR FIXED WITH OTHER MIAMI-DADE COUNTY APPR'D WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2010 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

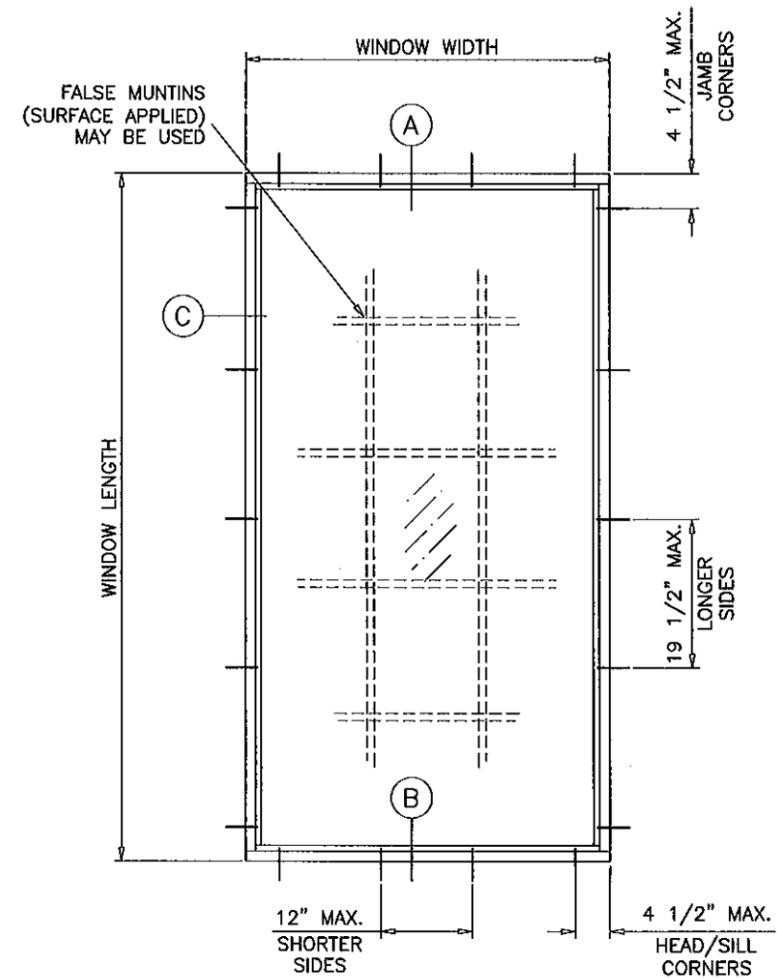
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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 2010 FLORIDA BLDG. CODE SECTION 2003.8.4.



TYPICAL ELEVATION

D.L.O. HEIGHT = FRAME HEIGHT - 4.125"
D.L.O. WIDTH = FRAME WIDTH - 4.125"

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

Engr: UJAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
DEC 9 2011

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0124.01
Expiration Date APRIL 12, 2017

By *Manuel Perea*
Miami Dade Product Control

afc
AL-FAROOQ CORPORATION
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TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W07-01CC

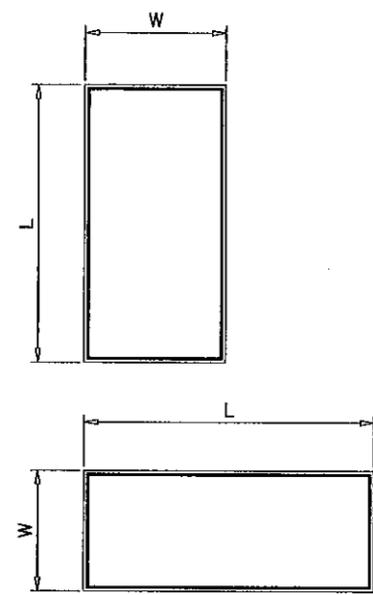
SERIES 930 ALUMINUM FIXED WINDOW (L.M.I.)
CURV-A-TECH CORPORATION
930 W. 23rd STREET
HIALEAH, FL 33010
TEL. (305) 888-9631 FAX. (305) 888-9969

revisions:	no.	date	by	description
	A	12.07.11		UPDATED TO 2010 FBC
date:	01-11-07			
scale:	1/2"=1'-0"			
dr. by:	HAMID			
chk. by:				
drawing no.	W07-01			
sheet 1 of	5			

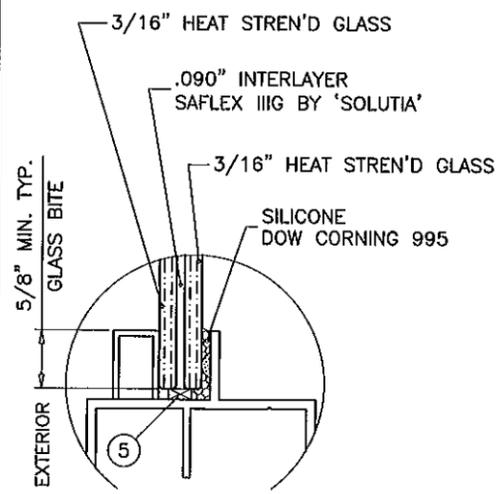
DESIGN LOAD CAPACITY - PSF					
WINDOW DIMS.		GLASS TYPES 'A', 'B' OR 'C'		GLASS TYPE 'D'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
18"	48"	80.0	80.0	70.0	70.0
24"		80.0	80.0	70.0	70.0
30"		80.0	80.0	70.0	70.0
36"		80.0	80.0	70.0	70.0
42"		80.0	80.0	70.0	70.0
48"		80.0	80.0	70.0	70.0
54"		80.0	80.0	70.0	70.0
60"		80.0	80.0	70.0	70.0
18"	54"	80.0	80.0	70.0	70.0
24"		80.0	80.0	70.0	70.0
30"		80.0	80.0	70.0	70.0
36"		80.0	80.0	70.0	70.0
42"		80.0	80.0	70.0	70.0
48"		80.0	80.0	70.0	70.0
54"		71.1	71.1	-	-
60"		71.1	71.1	-	-
18"	60"	80.0	80.0	70.0	70.0
24"		80.0	80.0	70.0	70.0
30"		80.0	80.0	70.0	70.0
36"		80.0	80.0	70.0	70.0
42"		80.0	80.0	70.0	70.0
48"		80.0	80.0	70.0	70.0
54"		71.1	71.1	-	-
60"		64.0	64.0	-	-
18"	66"	80.0	80.0	70.0	70.0
24"		80.0	80.0	70.0	70.0
30"		80.0	80.0	70.0	70.0
36"		80.0	80.0	70.0	70.0
42"		80.0	80.0	70.0	70.0
48"		80.0	80.0	-	-
54"		71.1	71.1	-	-
60"		64.0	64.0	-	-
18"	72"	80.0	80.0	70.0	70.0
24"		80.0	80.0	70.0	70.0
30"		80.0	80.0	70.0	70.0
36"		80.0	80.0	70.0	70.0
42"		80.0	80.0	-	-
48"		80.0	80.0	-	-
54"		71.1	71.1	-	-
60"		64.0	64.0	-	-
18"	78"	80.0	80.0	70.0	70.0
24"		80.0	80.0	70.0	70.0
30"		80.0	80.0	70.0	70.0
36"		80.0	80.0	70.0	70.0
42"		80.0	80.0	-	-
48"		80.0	80.0	-	-
54"		71.1	71.1	-	-
60"		64.0	64.0	-	-
18"	84"	80.0	80.0	70.0	70.0
24"		80.0	80.0	70.0	70.0
30"		80.0	80.0	70.0	70.0
36"		80.0	80.0	-	-
42"		80.0	80.0	-	-
48"		80.0	80.0	-	-
54"		71.1	71.1	-	-
60"		64.0	64.0	-	-

DESIGN LOAD CAPACITY - PSF						
WINDOW DIMS.		GLASS TYPES 'A', 'B' OR 'C'		GLASS TYPE 'D'		
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	
18"	90"	80.0	80.0	70.0	70.0	
24"		80.0	80.0	70.0	70.0	
30"		80.0	80.0	70.0	70.0	
36"		80.0	80.0	-	-	
42"		80.0	80.0	-	-	
48"		80.0	80.0	-	-	
18"		96"	80.0	80.0	70.0	70.0
24"			80.0	80.0	70.0	70.0
30"	80.0		80.0	70.0	70.0	
36"	80.0		80.0	-	-	
42"	80.0		80.0	-	-	

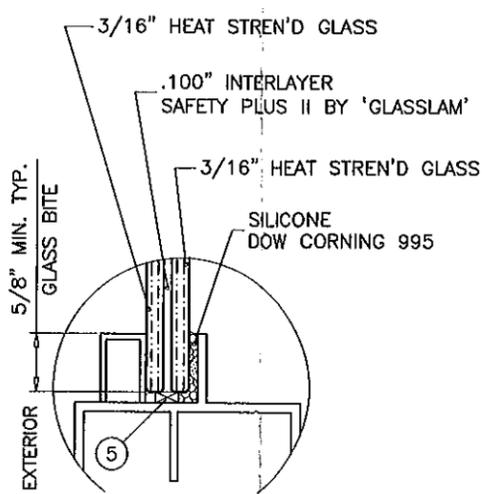
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS).



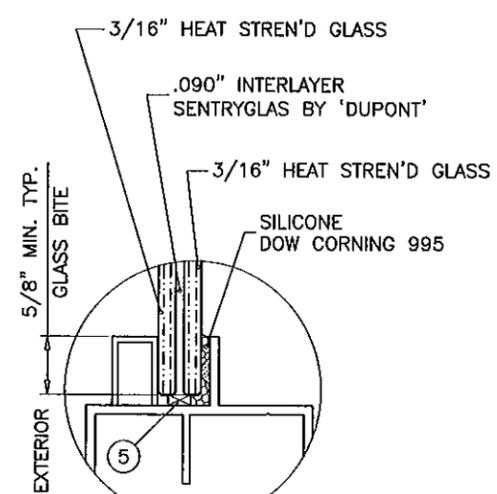
NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED
VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.



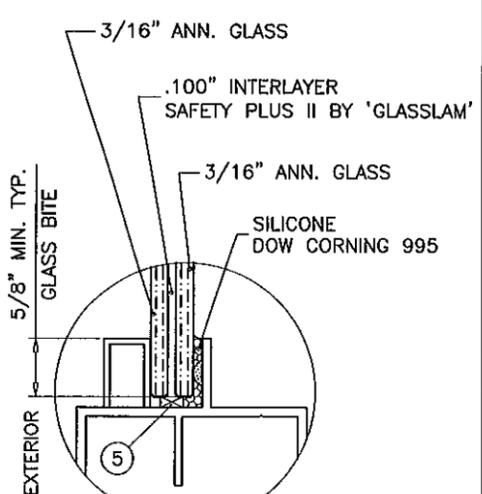
GLASS TYPE 'A'



GLASS TYPE 'B'



GLASS TYPE 'C'



GLASS TYPE 'D'

GLAZING OPTIONS

Engr: JAVAD AHMAD,
CIVIL
FLA. PE # 70592
C.A.N. 3538
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By *Mamun Ruz*
Miami Dade Product Control

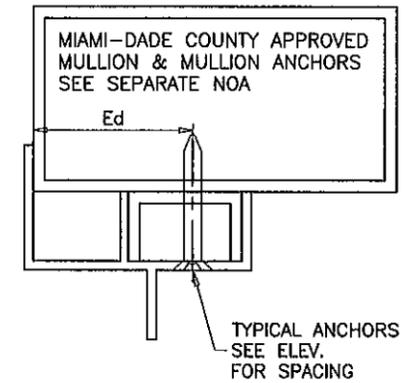
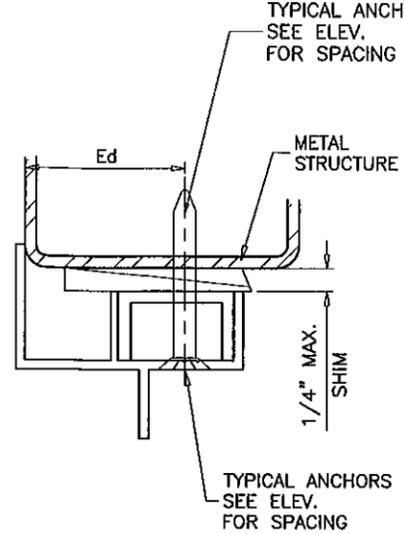
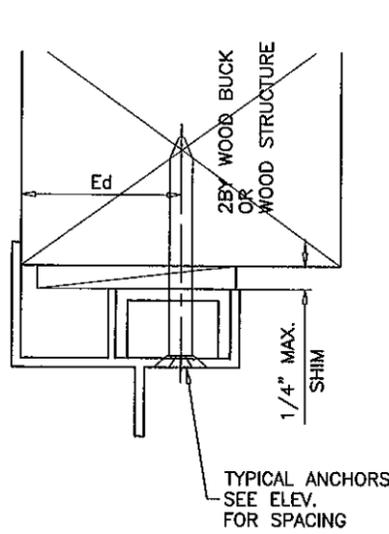
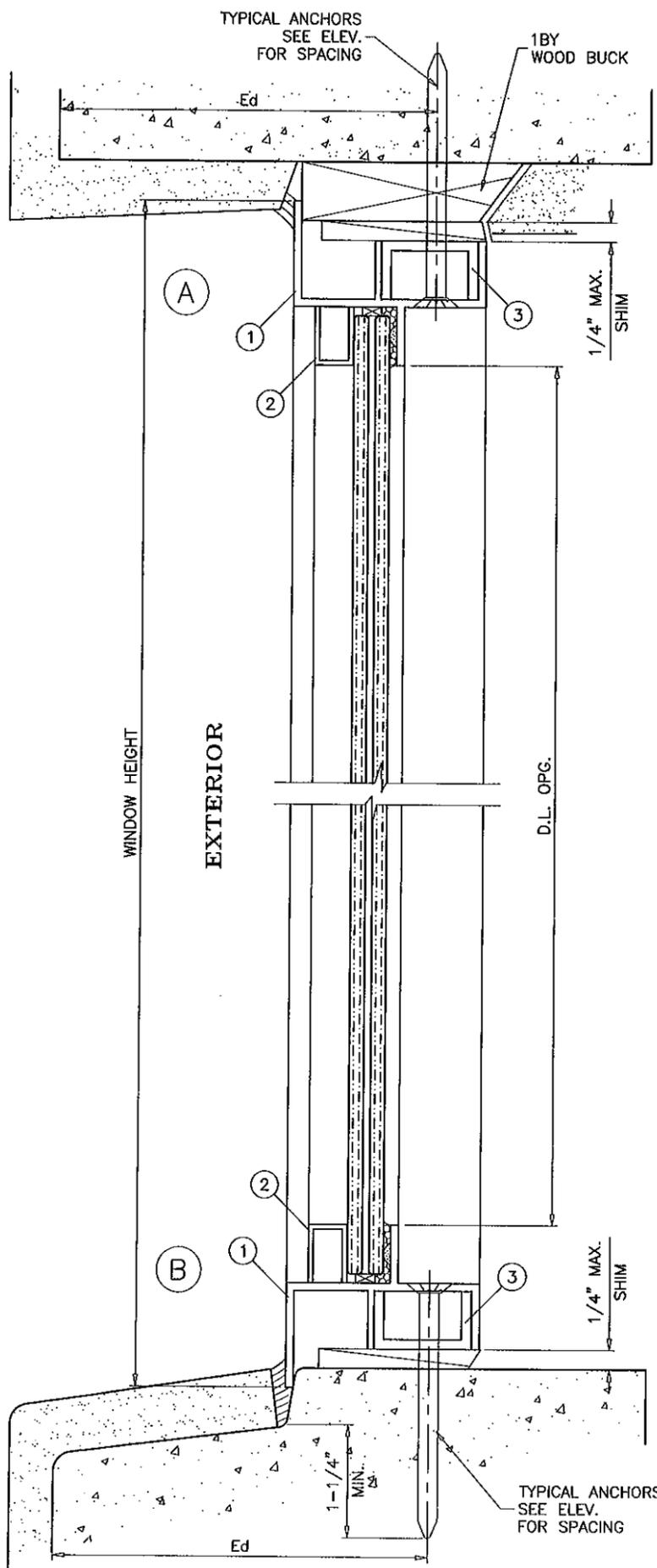
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no	date	description
A	12.07.11	UPDATED TO 2010 PEC

date: 01-11-07
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W07-01
sheet 2 of 5



WOOD BUCKS AND METAL STRUCTURE NOT BY CURV-A-TECH MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

SEALANTS:
FRAME CORNERS AND INSTALLATION SCREWS SEALED WITH SILICONE SEALANT.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)

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 SMS OR SELF DRILLING SCREWS (GRADE 2 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 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
(NO SHIM SPACE)

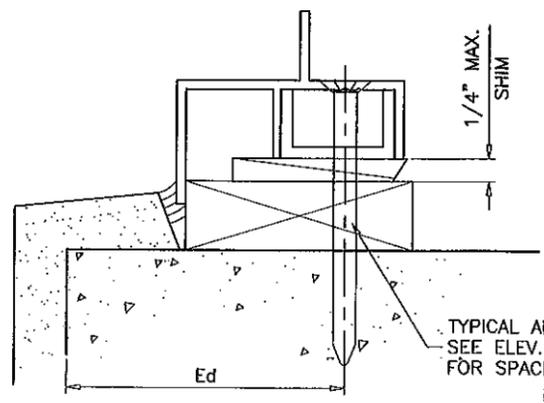
Ed = ANCHOR EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2" MIN.

INTO WOOD STRUCTURE = 3/4" MIN.

INTO METAL STRUCTURE = 1/2" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

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By *Mamun Bay*
Miami Dade Product Control

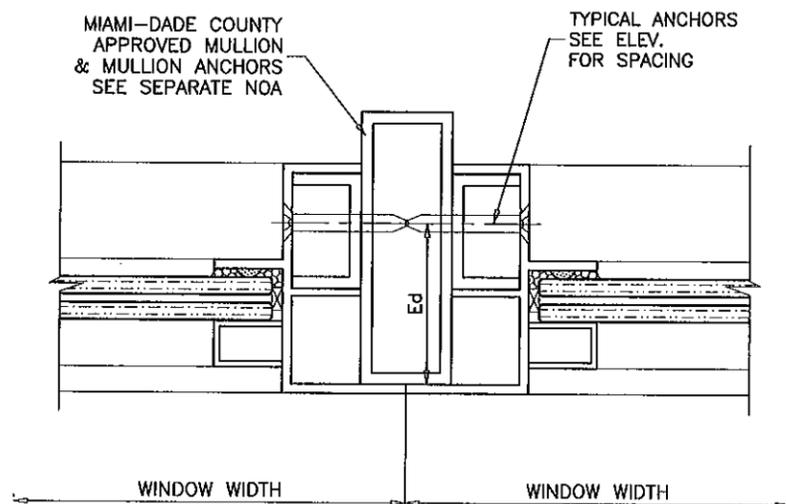
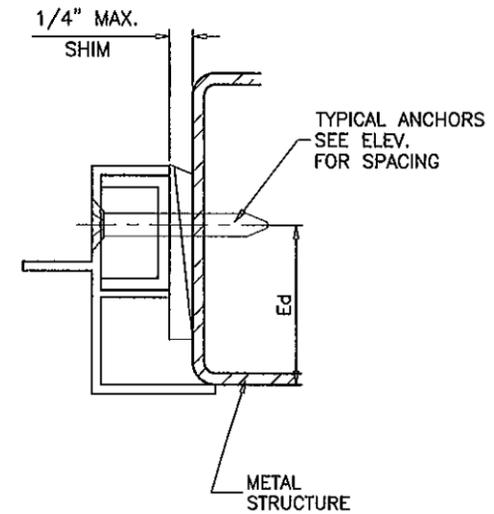
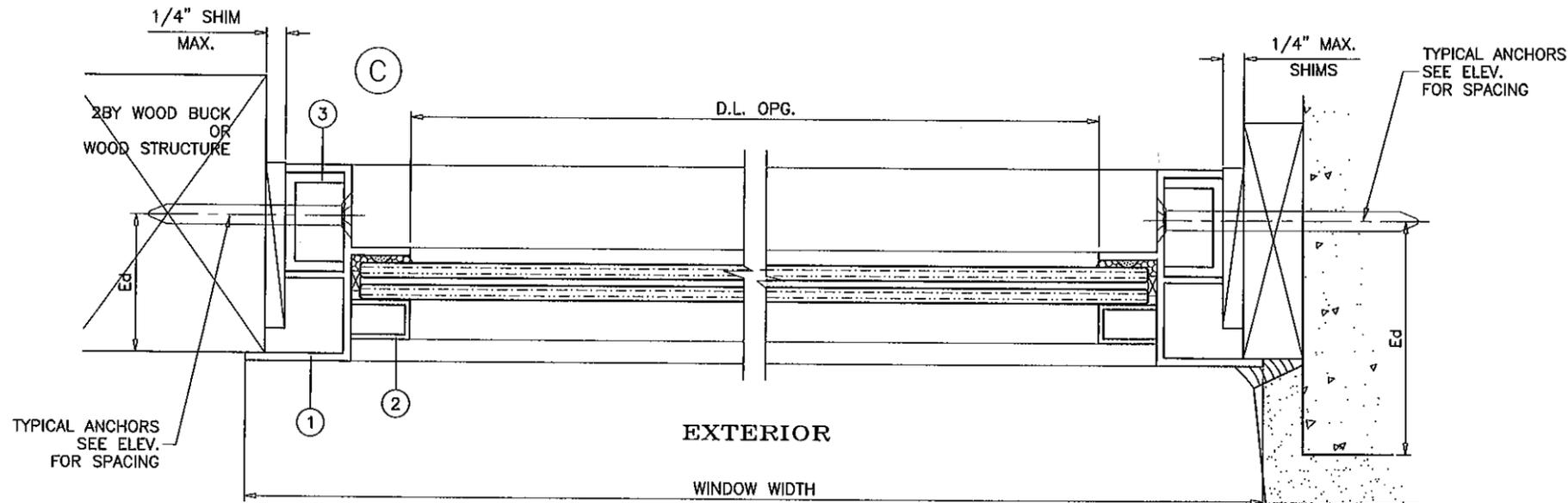
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chk. by:

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W07-01
sheet 3 of 5



Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538

DEC 09 2011

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By *Muhammed Farooq*
 Miami Dade Product Control

af c

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 ENGINEERS & PRODUCT DEVELOPMENT
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 MIAMI, FLORIDA 33174
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 COMP-ANL W07-01CC

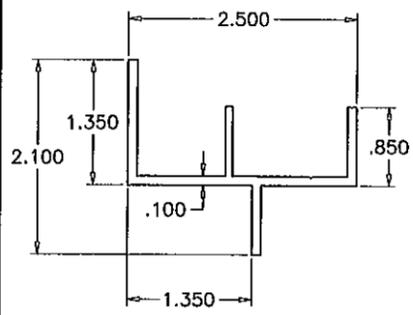
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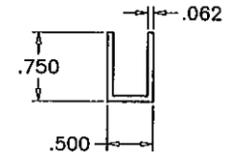
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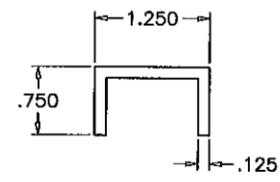
drawing no.
W07-01
 sheet 4 of 5



① WINDOW FRAME

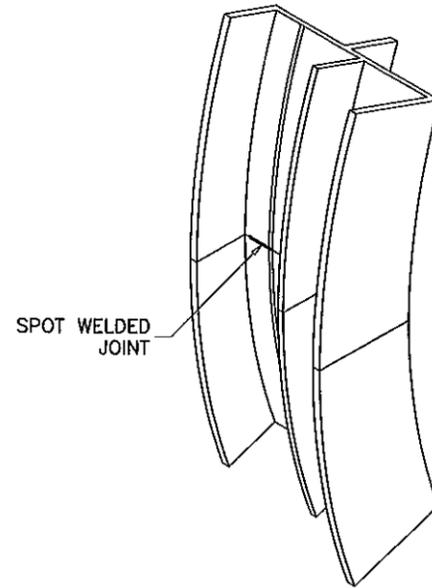


② GLAZING STOP

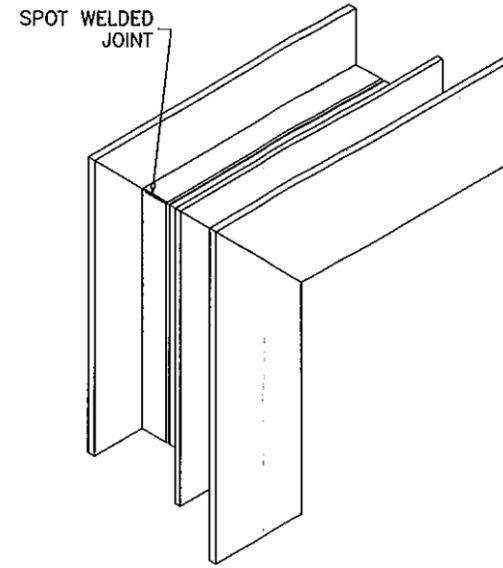


③ SHEAR CLIP

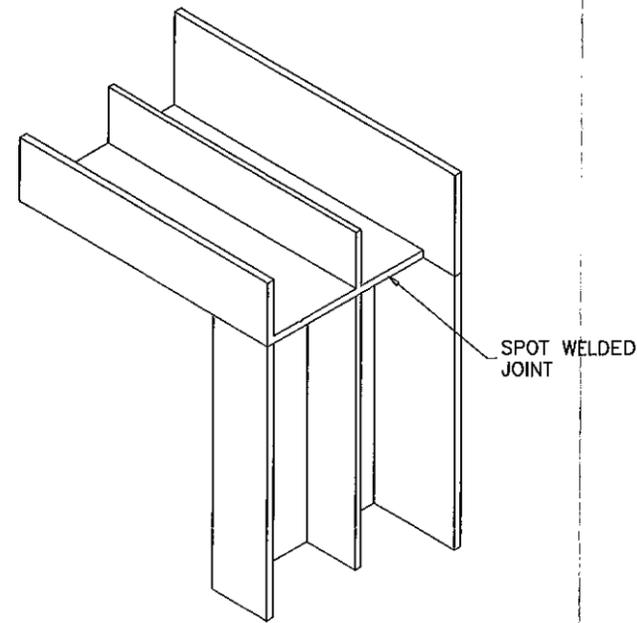
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPLIER/REMARKS
1	CU701	4	WINDOW FRAME	6063-T5	-
2	S-03083	4	GLAZING STOP	6063-T5	-
3	-	AS REQD.	SHEAR CLIPS, 2" LONG	6063-T5	AT ANCHOR LOCATIONS
4	995	AS REQD.	GLAZING COMPOUND	SILICONE	DOW CORNING
5	-	AS REQD.	SETTING BLOCK	EPDM	DUROMETER 75±5 SHORE A



CIRCULAR WINDOWS



MITERED CORNER (OPTIONAL)



RECT. OR SQUARE WINDOWS

TYP. CORNER DETAILS

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 DEC 09 2011

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 12-0124-01
 Expiration Date APRIL 12, 2017
 By *Manuel Perez*
 Miami Dade Product Control

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 W07-01CC

SERIES 930 ALUMINUM FIXED WINDOW (L.M.I.)
CURV-A-TECH CORPORATION
 930 W. 23rd STREET
 HIALEAH, FL 33010
 TEL. (305) 888-9631 FAX. (305) 888-9969

revisions:	no	date	by	description
	A	12.07.11		UPDATED TO 2010 FBC
date:	01-11-07			
scale:	1/2" = 1"			
dr. by:	HAMID			
chk. by:				
drawing no.	W07-01			
sheet	5 of 5			