



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

ES Windows, LLC  
10653 N.E. Quaybridge Ct.  
Miami, FL 33138

**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 "1600 Aluminum Fixed Window - S. M. I.**

**APPROVAL DOCUMENT:** Drawing No. **W05-46**, titled "Series 1600 Aluminum Fixed Window (S.M.I.)", sheets 1 through 5 of 5, prepared by AL-Farooq Corporations, dated 09/09/05 with revision "E" dated 02/24/12, 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: Small Missile Impact Resistant.**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, **Barranquilla, Colombia**, models/ 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 NOA No. 09-1008.03 and consists of this page 1, 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*  
5/24/12

NOA No. 12-0308.39  
Expiration Date: March 31, 2016  
Approval Date: May 31, 2012  
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under previous NOA's No.'s 05-1213.01 and 09-1008.03)*
2. Drawing No. **W05-46**, titled "Series 1600 Aluminum Fixed Window (S.M.I.)", sheets 1 through 5 of 5, prepared by AL-Farooq Corporations, dated 09/09/05 with revision "E" dated 02/24/12, signed and sealed by Javad Ahmad, P. E.

**B. TESTS**

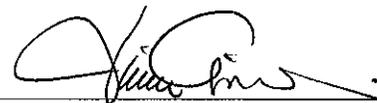
1. Test reports on:
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Small Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Impact Test per FBC, ANSI Z97.1-04/ 16 CFR 1201along with marked-up drawings and installation diagram of an Aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5695**, dated 07/20/09, signed and sealed by Julio E. Gonzalez, P. E.  
*(Submitted under previous NOA No. 09-1008.03)*
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) Small 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 Hurricane Engineering & Testing, Inc., Test Reports No.'s **HETI-05-1449** and **HETI-05-1954**, dated 04/28/05 and 05/02/05, both signed and sealed by Ivonne Ghia, P. E.  
*(Submitted under previous NOA No. 05-1213.01)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, prepared by Al-Farooq Corporation, dated 03/05/12, 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).



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 12-0308.39  
Expiration Date: March 31, 2016  
Approval Date: May 31, 2012

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/26/2010, expiring on 01/14/17.
2. Notice of Acceptance No. **11-0624.01** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite® PVB Interlayer**" dated 09/08/2011, expiring on 12/11/2016.

**F. STATEMENTS**

1. Statement letter of no financial interest, conformance and compliance with the **FBC-2010**, dated 02/24/12, signed and sealed by Javad Ahmad, P. E.
2. Distributor Agreement between, E.S. Windows – Energia Solar S.A., Barranquilla, Colombia and E.S. Windows, LLC, Miami, Florida, U.S.A., dated 10/20/10, signed by Carla Garcia Torrente and by Andres Chamorro, respectively.
3. Laboratory compliance letter for Test Report No. **FTL-5695**, issued by Fenestration Testing Laboratory, Inc., dated 07/20/09, signed and sealed by Julio E. Gonzalez, P. E.  
*(Submitted under previous NOA No.09-1008.03)*
4. Proposal issued by Product Control, dated 06/12/08, signed by Jaime D. Gascon, P. E.  
*(Submitted under previous NOA No.09-1008.03)*
5. Laboratory compliance letter for Test Reports No.'s **HETI-05-1449** and **HETI-05-1954**, issued by Hurricane Engineering and Testing, Inc., dated 04/28/05 and 05/02/05, both signed and sealed by Ivonne Ghia, P. E.  
*(Submitted under previous NOA No.05-1213.01)*
6. Proposal issued by Product Control, dated 02/14/06, signed by Ishaq Chanda, P. E.  
*(Submitted under previous NOA No. 05-1213.01)*

**G. OTHERS**

1. Notice of Acceptance No. **09-1008.03**, issued to ES Windows, LLC, for their Series "**1600 Aluminum Fixed Window – S.M.I.**", approved on 03/03/10 and expiring on 03/31/16.



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 12-0308.39  
Expiration Date: March 31, 2016  
Approval Date: May 31, 2012

**SERIES-1600 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 INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

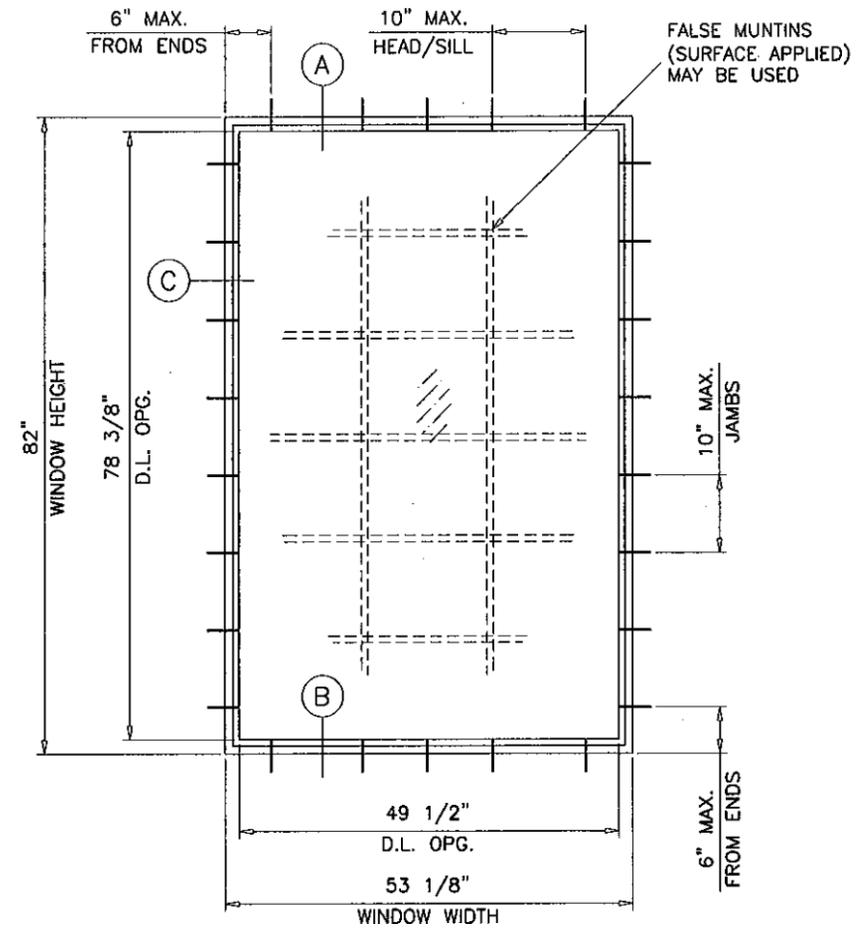
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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 THE FLORIDA BLDG. CODE SECTION 2003.8.4.



**TYPICAL ELEVATION**  
TESTED UNIT

DAYLITE OPENINGS:  
D.L.O. HEIGHT = WINDOW HEIGHT - 3.625"  
D.L.O. WIDTH = WINDOW WIDTH - 3.625"

THESE WINDOWS ARE RATED FOR SMALL MISSILE IMPACT. MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **12-0308.39**  
Expiration Date **02/31/2016**  
By *[Signature]*  
Miami Made Product Control

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538  
*[Signature]*

MAR 05 2012

**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\W05-46ESW

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SERIES-1600 ALUMINUM FIXED WINDOW (S.M.I.)

**E.S. WINDOWS, LLC.**  
5220 N.W. 72 AVE. BAY #4  
MIAMI, FL. 33166  
TEL. (305) 624-7775 FAX. (305) 624-7777

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no	date	by	description
A	02.08.06	REV. PER BCCO COMMENTS	
B	03.03.06	NO CHANGE THIS SHEET	
C	08.18.09	UPDATED FOR 2007 FBC	
D	02.09.10	REV. PER BCCO COMMENTS	
E	02.24.12	UPDATED TO 2010 FBC	

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date: 09-09-05  
scale: 1/2" = 1'-0"  
dr. by: HAMID  
chk. by:

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drawing no.  
**W05-46**

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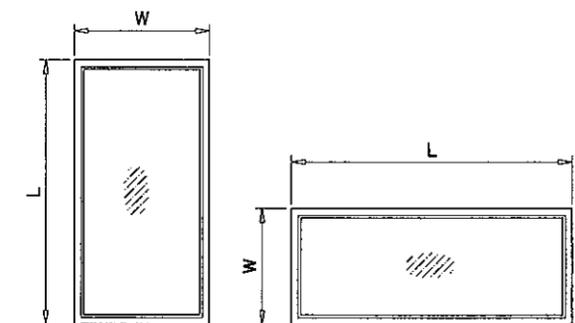
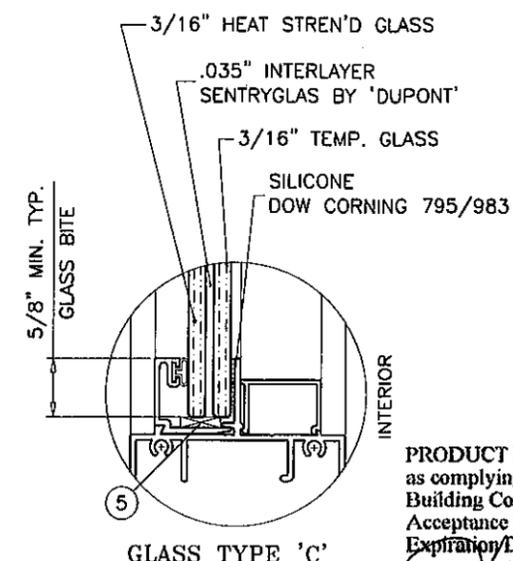
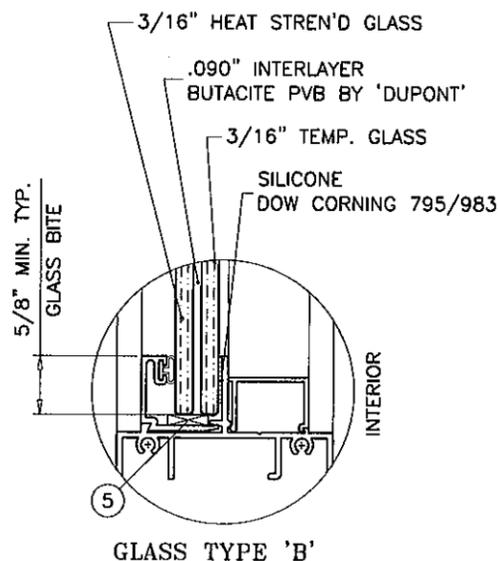
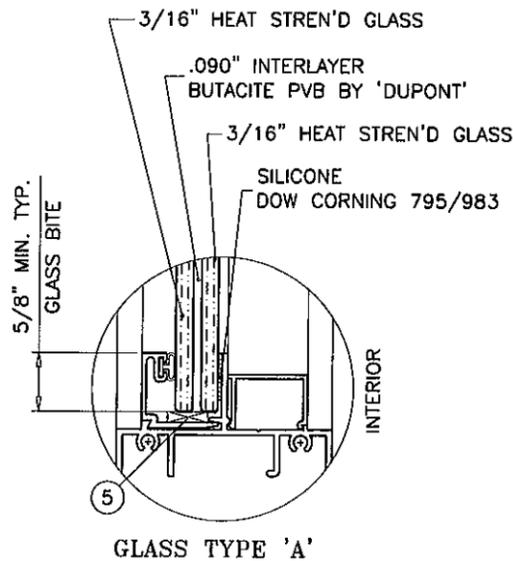
sheet 1 of 5

DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'C'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
18"	36"	90.0	140.0	100.0	140.0	100.0	140.0
24"		90.0	140.0	100.0	140.0	100.0	140.0
30"		90.0	140.0	100.0	140.0	100.0	140.0
36"		90.0	132.8	100.0	140.0	100.0	140.0
42"		90.0	132.8	100.0	140.0	100.0	140.0
48"		90.0	132.8	100.0	140.0	100.0	140.0
54"		90.0	127.9	100.0	140.0	100.0	140.0
60"		90.0	121.9	100.0	140.0	100.0	140.0
18"	48"	90.0	140.0	100.0	140.0	100.0	140.0
24"		90.0	140.0	100.0	140.0	100.0	140.0
30"		90.0	140.0	100.0	140.0	100.0	140.0
36"		90.0	132.8	100.0	140.0	100.0	140.0
42"		90.0	113.8	100.0	126.5	88.1	123.3
48"		90.0	99.6	100.0	110.7	77.1	107.9
54"		90.0	99.6	100.0	110.7	77.1	107.9
60"		90.0	90.0	90.0	90.0	90.0	90.0
18"	60"	90.0	140.0	100.0	140.0	100.0	140.0
24"		90.0	140.0	100.0	140.0	100.0	140.0
30"		90.0	136.5	100.0	140.0	100.0	140.0
36"		90.0	121.9	100.0	140.0	100.0	140.0
42"		90.0	112.5	100.0	126.5	88.1	123.3
48"		90.0	90.0	90.0	90.0	90.0	90.0
54"		88.5	88.5	90.0	90.0	88.5	88.5
60"		79.7	79.7	88.5	88.5	79.7	79.7
18"	72"	90.0	140.0	100.0	140.0	100.0	140.0
24"		90.0	140.0	100.0	140.0	100.0	140.0
30"		90.0	129.3	100.0	140.0	100.0	140.0
36"		90.0	113.7	100.0	133.0	100.0	140.0
42"		90.0	90.0	90.0	90.0	90.0	90.0
48"		90.0	90.0	90.0	90.0	90.0	90.0
54"		88.5	88.5	90.0	90.0	88.5	88.5
60"		-	-	88.5	88.5	79.7	79.7

DESIGN LOAD CAPACITY - PSF								
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'C'		
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
18"	84"	90.0	140.0	100.0	140.0	100.0	140.0	
24"		90.0	140.0	100.0	140.0	100.0	140.0	
30"		90.0	124.6	100.0	140.0	100.0	140.0	
36"		90.0	90.0	90.0	90.0	90.0	90.0	
42"		90.0	90.0	90.0	90.0	90.0	90.0	
48"		-	-	90.0	90.0	90.0	90.0	
18"		90"	90.0	140.0	100.0	140.0	100.0	140.0
24"			90.0	140.0	100.0	140.0	100.0	140.0
30"	90.0		122.8	100.0	140.0	100.0	140.0	
36"	90.0		90.0	90.0	90.0	90.0	90.0	
42"	90.0		90.0	90.0	90.0	90.0	90.0	
48"	-		-	90.0	90.0	90.0	90.0	
18"	96"		90.0	140.0	100.0	140.0	100.0	140.0
24"			90.0	140.0	100.0	140.0	100.0	140.0
30"		90.0	90.0	90.0	90.0	90.0	90.0	
36"		90.0	90.0	90.0	90.0	90.0	90.0	
42"		-	-	90.0	90.0	90.0	90.0	
18"		108"	90.0	140.0	100.0	140.0	100.0	140.0
24"			90.0	140.0	100.0	140.0	100.0	140.0
30"			90.0	90.0	90.0	90.0	90.0	90.0
36"	90.0		90.0	90.0	90.0	90.0	90.0	
18"	120"		90.0	140.0	100.0	140.0	100.0	140.0
24"			90.0	90.0	90.0	90.0	90.0	90.0
30"			90.0	90.0	90.0	90.0	90.0	90.0
36"			-	-	90.0	90.0	90.0	90.0

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

DESIGN LOAD CAPACITY - PSF								
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'C'		
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
19-1/8"	26"	90.0	140.0	100.0	140.0	100.0	140.0	
26-1/2"		90.0	140.0	100.0	140.0	100.0	140.0	
37"		90.0	140.0	100.0	140.0	100.0	140.0	
48"		90.0	140.0	100.0	140.0	100.0	140.0	
53-1/8"		90.0	140.0	100.0	140.0	100.0	140.0	
19-1/8"		38-3/8"	90.0	140.0	100.0	140.0	100.0	140.0
26-1/2"			90.0	140.0	100.0	140.0	100.0	140.0
37"			90.0	129.2	100.0	140.0	100.0	140.0
48"	90.0		124.6	100.0	138.4	96.4	135.0	
53-1/8"	90.0		124.6	100.0	138.4	96.4	135.0	
19-1/8"	50-5/8"		90.0	140.0	100.0	140.0	100.0	140.0
26-1/2"			90.0	140.0	100.0	140.0	100.0	140.0
37"			90.0	129.2	100.0	140.0	100.0	140.0
48"		90.0	99.6	100.0	110.7	77.1	107.9	
53-1/8"		90.0	94.4	100.0	104.9	73.1	102.3	
19-1/8"		58"	90.0	140.0	100.0	140.0	100.0	140.0
26-1/2"			90.0	140.0	100.0	140.0	100.0	140.0
37"			90.0	121.9	100.0	140.0	100.0	140.0
48"	90.0		90.0	90.0	90.0	90.0	90.0	
53-1/8"	90.0		90.0	90.0	90.0	90.0	90.0	
19-1/8"	63"		90.0	140.0	100.0	140.0	100.0	140.0
26-1/2"			90.0	140.0	100.0	140.0	100.0	140.0
37"			90.0	117.5	100.0	137.4	100.0	140.0
48"		90.0	90.0	90.0	90.0	90.0	90.0	
53-1/8"		90.0	90.0	90.0	90.0	90.0	90.0	
19-1/8"		74-1/4"	90.0	140.0	100.0	140.0	100.0	140.0
26-1/2"			90.0	140.0	100.0	140.0	100.0	140.0
37"			90.0	110.5	100.0	129.3	100.0	140.0
48"	90.0		90.0	90.0	90.0	90.0	90.0	
53-1/8"	90.0		90.0	90.0	90.0	90.0	90.0	



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **12-0308.39**  
Expiration Date **03/31/2016**  
By *[Signature]*  
Miami Dade Product Control

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538  
*[Signature]*

MAR 05 2012

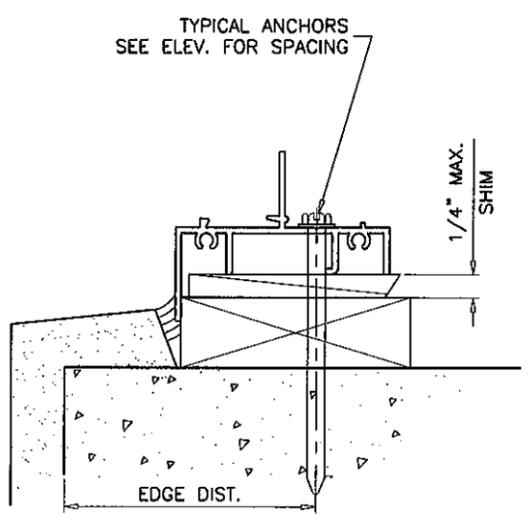
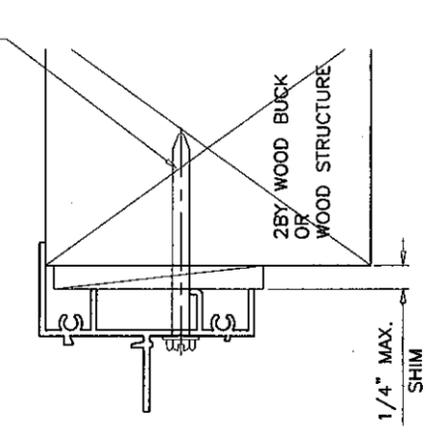
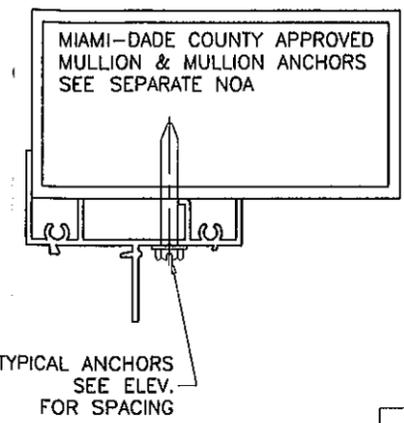
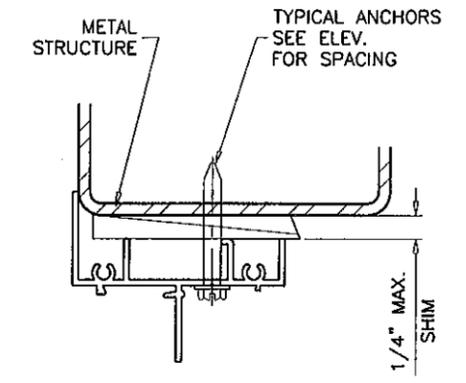
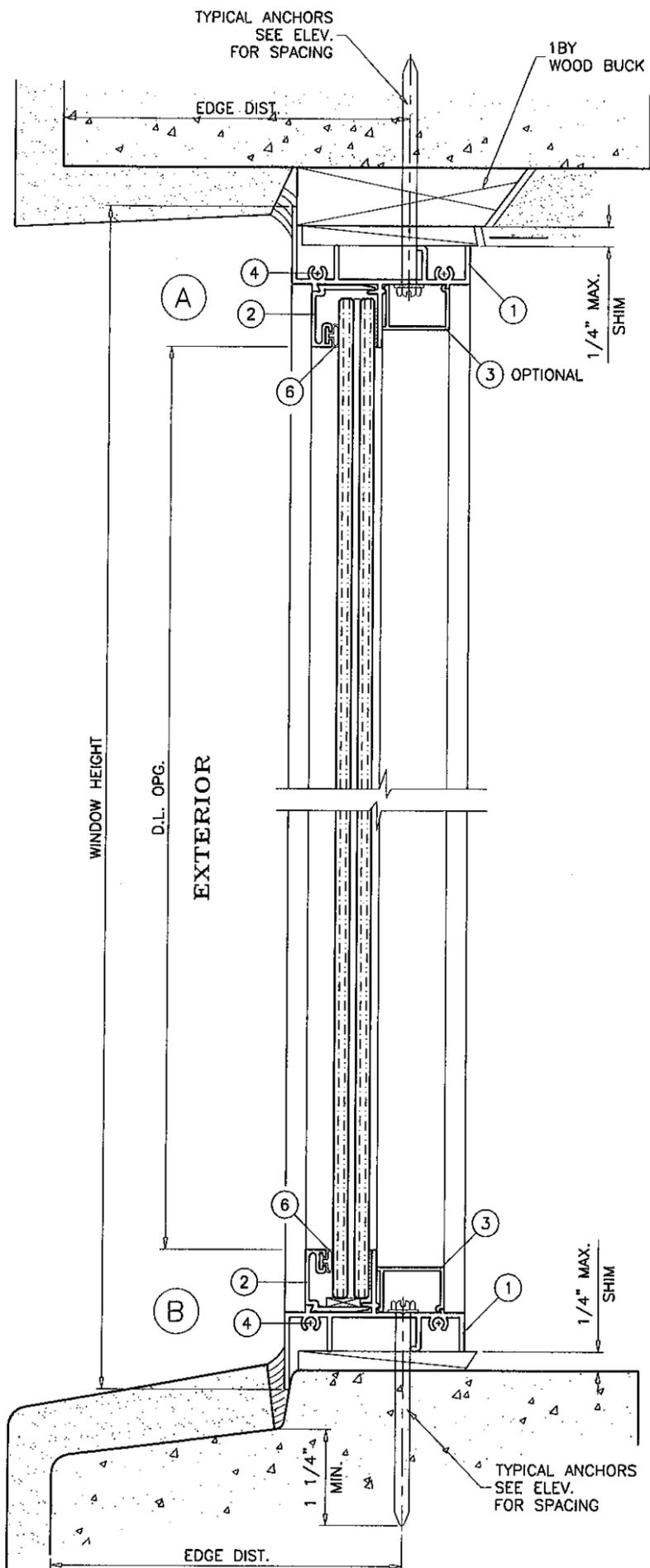
**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W05-46ESW

SERIES-1600 ALUMINUM FIXED WINDOW (S.M.I.)  
**E.S. WINDOWS, LLC.**  
5220 N.W. 72 AVE. BAY #4  
MIAMI, FL. 33166  
TEL. (305) 624-7775 FAX. (305) 624-7777

no.	date	description	by
A	02.08.06	NO CHANGE THIS SHEET	
B	03.03.06	NO CHANGE THIS SHEET	
C	08.18.09	UPDATED FOR 2007 FBC	
D	02.09.10	NO CHANGE THIS SHEET	
E	02.24.12	UPDATED TO 2010 FBC	

date: 09-09-05  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W05-46**  
sheet 2 of 5



WOOD BUCKS AND METAL STRUCTURE NOT BY E.S. WDW. 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 SMS OR SELF DRILLING SCREWS** (GRADE 2 CRS)  
 INTO METAL STRUCTURES  
 STEEL : 1/8" THK. 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. = 1/8")  
 (NO SHIM SPACE)

**TYPICAL EDGE DISTANCE**  
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.  
 INTO WOOD STRUCTURE = 1" MIN.  
 INTO METAL STRUCTURE = 3/4" MIN.

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

**SEALANT:**  
 ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE/ALUM COLOR SILICONE.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 12-0308.39 Expiration Date 03/31/2016  
 By *[Signature]*  
 Miami Dade Product Control

Engr: JAVAD AHMAD CIVIL  
 FLA. PE # 70592  
 C.A.N. 3538  
*[Signature]*

MAR 05 2012

**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\W05-46ESW

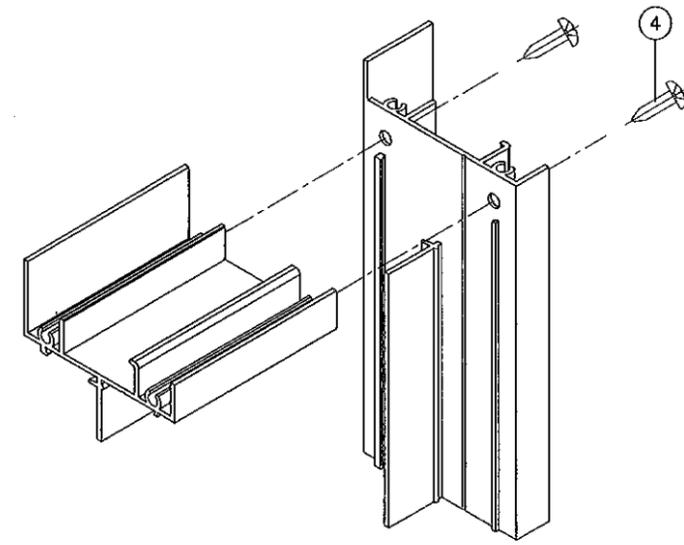
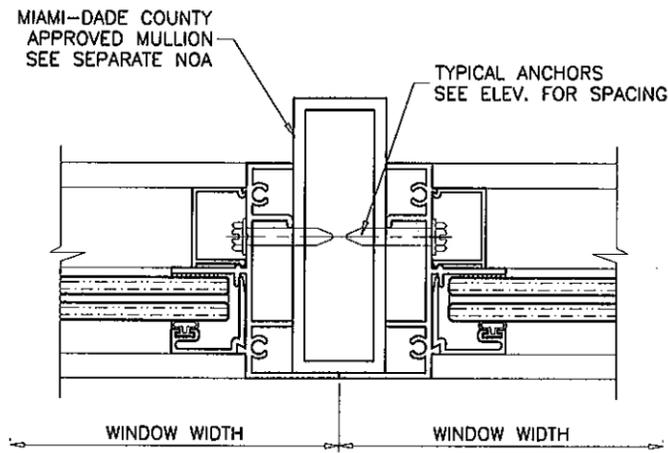
SERIES-1600 ALUMINUM FIXED WINDOW (S.M.I.)  
**E.S. WINDOWS, LLC.**  
 5220 N.W. 72 AVE. BAY #4  
 MIAMI, FL. 33166  
 TEL. (305) 624-7775 FAX. (305) 624-7777

no	date	by	description
A	02.08.06		REV. PER BCCO COMMENTS
B	03.03.06		NO CHANGE THIS SHEET
C	08.18.09		UPDATED FOR 2007 FBC
D	02.09.10		REV. PER BCCO COMMENTS
E	02.24.12		NO CHANGE THIS SHEET

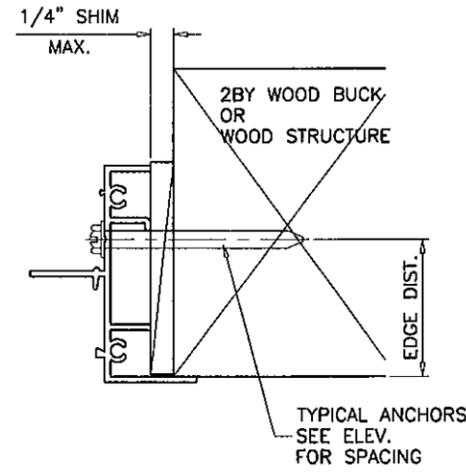
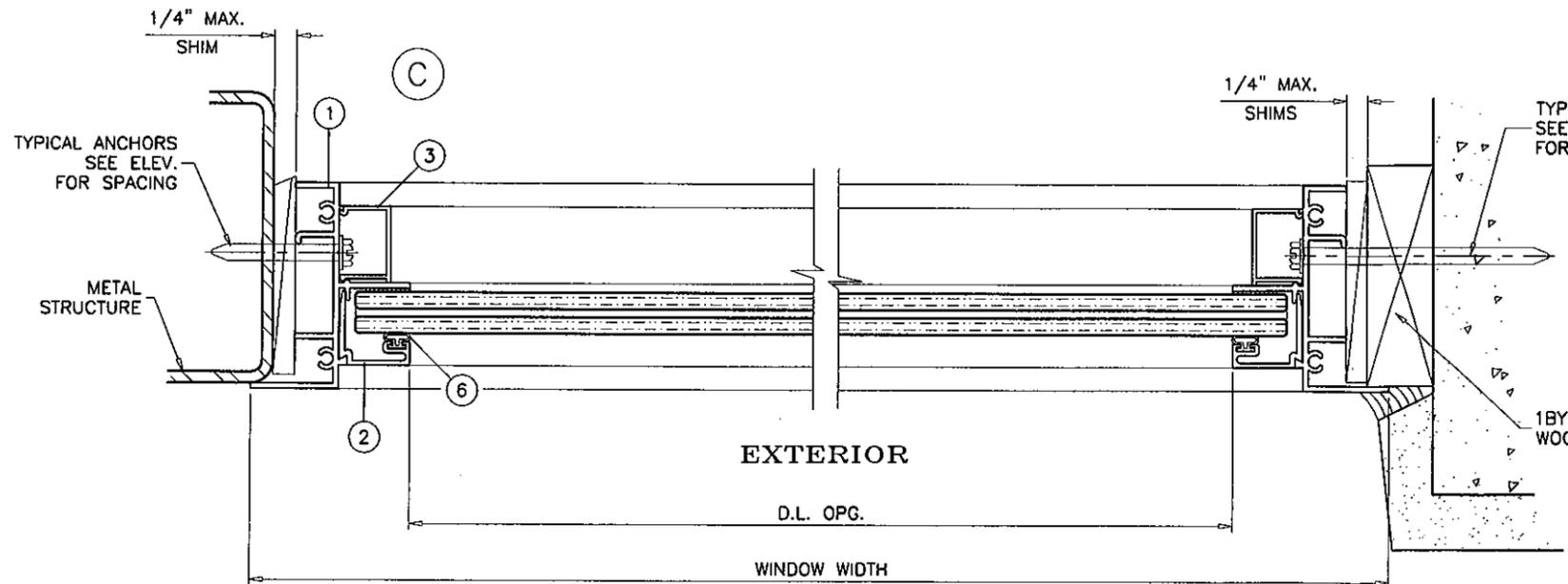
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 dr. by: HAMID  
 chk. by:

drawing no.  
**W05-46**  
 sheet 3 of 5

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ES1501	4	WINDOW FRAME	6063-T6	-
2	ES1106	4	GLAZING STOP	6063-T5	-
3	ES1502	4	FRAME COVER (OPTIONAL)	6063-T5	-
4	#8 X 1"	2/ CORNER	ASSEMBLY SCREWS	CRS	PH SMS
5	-	2/ LITE	SETTING BLOCK	NEOPRENE	7/16" X 3/16" X 3-1/2" LONG
6	ES1104	AS REQD.	GLAZING GASKET	NEOPRENE	-
7	ES1505	-	FLUSH FRAME ADAPTER	6063-T5	OPTIONAL



TYPICAL CORNER DETAIL



PRODUCT REVISED  
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 Acceptance No **12-0308.39**  
 Expiration Date **03/31/2016**  
 By *[Signature]*  
 Miami Dade Product Control

Engr: JAVAD AHMAD  
 CIVIL  
 FLA. PE # 70592  
 C.A.N. 3538  
*[Signature]*

MAR 05 2012

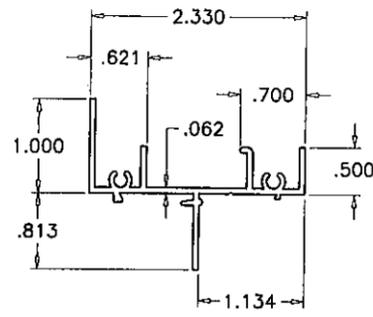
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**AL-FAROOQ CORPORATION**  
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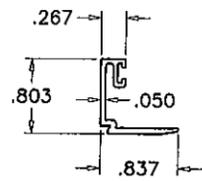
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B	03.03.06	NO CHANGE THIS SHEET	UPDATED FOR 2007 FBC
C	08.18.09	REV. PER BCCO COMMENTS	NO CHANGE THIS SHEET
D	02.09.10	REV. PER BCCO COMMENTS	NO CHANGE THIS SHEET
E	02.24.12	NO CHANGE THIS SHEET	

date: 09-09-05  
 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by:

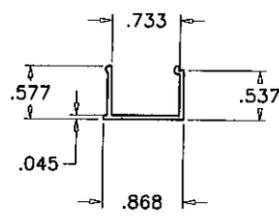
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**W05-46**  
 sheet 4 of 5



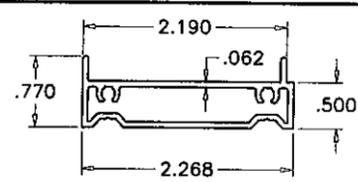
1 FRAME



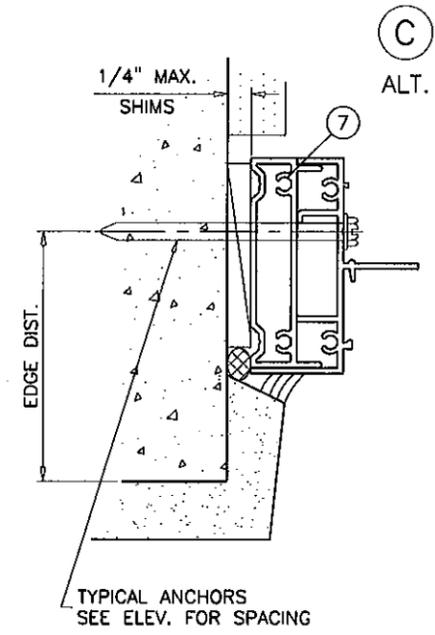
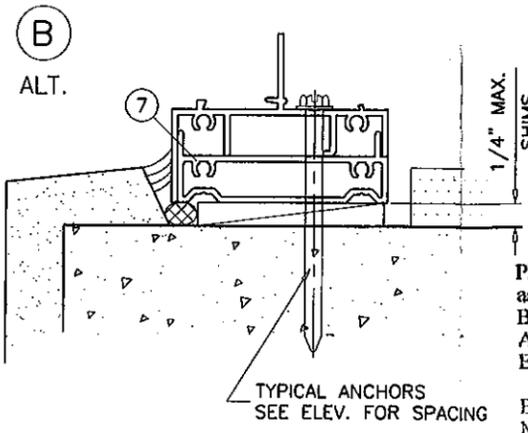
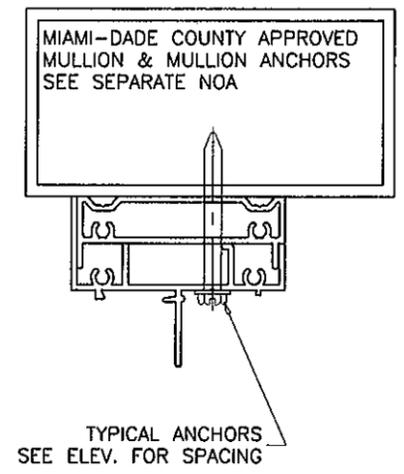
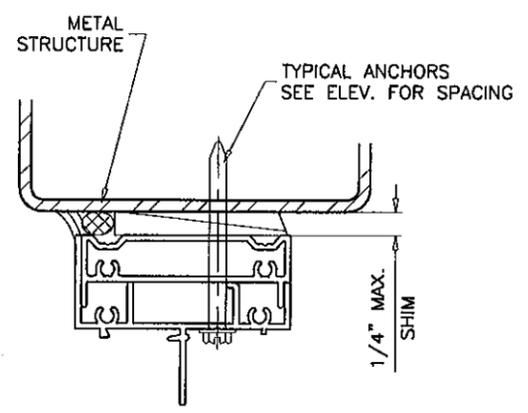
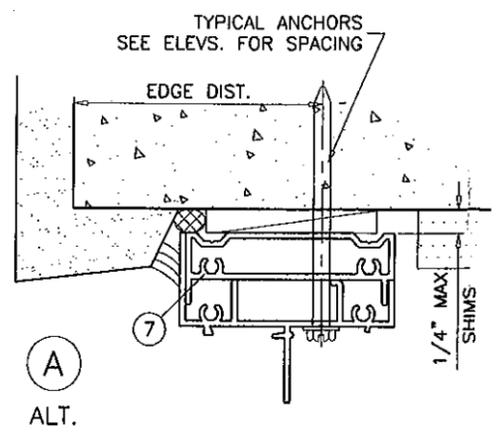
2 GLAZING STOP



3 FRAME COVER (OPTIONAL)



7 FLUSH FRAME ADAPTER



PRODUCT REVISED  
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 Miami Dade Product Control

Engr. JAVAD AHMAD  
 CIVIL  
 FLA. PE # 70592  
 C.A.N. 3538  
*[Signature]*

INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER

MAR 05 2012

**af c**  
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no.	date	by	description
A	02.08.06	REV. PER BCCO COMMENTS	
B	03.03.06	FRAME ADAPTER ADDED	
C	08.18.09	UPDATED FOR 2007 FBC	
D	02.09.10	REV. PER BCCO COMMENTS	
E	02.24.12	NO CHANGE THIS SHEET	

date: 09-09-05  
 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no.  
**W05-46**  
 sheet 5 of 5