



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

T.M. Window & Door LLC.
601 N.W. 12th Ave.
Pompano Beach, FL 33069

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 "338" Aluminum Fixed Window – L.M.I

APPROVAL DOCUMENT: Drawing No **W03-52**, titled "Series 338 Aluminum Fixed Window (L.M.I)", sheets 1 through 5 of 5, dated 07/11/03, with last revision F dated 03/30/09, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control renewal 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 **renews NOA # 07-1120.10** 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 **Carlos M. Utrera, P.E.**



[Handwritten Signature]
 4/13/09

NOA No. 08-0917.08
Expiration Date: January 08, 2014
Approval Date: May 06, 2009
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W03-52**, titled "Series 338 Aluminum Fixed Window (L.M.I.)", sheets 1 through 5 of 5, dated 07/11/03, with last revision F dated 03/30/09, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. Test reports on
 - 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of Series 338 Aluminum Fixed Window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5276**, dated 07/06/07, signed and sealed by Carlos S. Rionda, P.E.

"Evidence Submitted under NOA # 07-1120.10"

2. Test reports on
 - 1) Air Infiltration Test, per SFBC, PA 202
 - 2) Uniform Static Air Pressure Test, Loading per SFBC, PA 202
 - 3) Water Resistance Test, per SFBC, PA 202
 - 4) Large Missile Impact Test, per SFBC, PA 201
 - 5) Cyclic Wind Pressure Loading, per SFBC, PA 203

Along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Fenestration Testing Laboratories, Test Report No. **FTL-2782 (FTL00114)**, **FTL-2784 (FTL00140)**, and **FTL-3803 (FTL03072)**, dated 11/06/01, 11/06/01 and May 22, 2003 respectively, signed and sealed by Luis Figueredo, P.E. and Joseph Chan, P.E.

"Evidence Submitted under NOA # 03-0925.04"

3. Test reports on
 - 1) Air Infiltration Test, per SFBC, PA 202
 - 2) Uniform Static Air Pressure Test, Loading per SFBC, PA 202
 - 3) Water Resistance Test, per SFBC, PA 202
 - 4) Large Missile Impact Test, per SFBC, PA 201
 - 5) Cyclic Wind Pressure Loading, per SFBC, PA 203

Along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by American Testing Lab of South Florida, Test Report No. **ATL # 0806.02-02**, dated 09/24/02, signed and sealed by William R. Mehner, P.E.

"Evidence Submitted under NOA # 03-0925.04"

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 02/17/09 and 03/30/09, signed and sealed by Humayoun Farooq, P.E.

Complies with ASTM E1300-02/04



Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 08-0917.08

Expiration Date: January 08, 2014

Approval Date: May 06, 2009

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **07-1116.04**, issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass ® Plus**", dated 01/03/08, expiring on 01/14/12.
2. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite PVB Interlayer**" dated 01/05/06, expiring on 12/11/10.
3. Notice of Acceptance No. **07-1116.11**, issued to SAF-GLAS for their "**SAF-GLAS Polycarbonate Laminate**", dated 12/12/07, expiring on 12/16/12.
4. Notice of Acceptance No. **07-0525.06**, issued to Cytec Industries, Inc. for their "**Uvekol S Laminated Glass Interlayer**", dated 01/03/08, expiring on 02/08/13.
5. Notice of Acceptance No. **08-0709.04**, issued to Nebula Glass International dba Glasslam for their "**Safety-Plus II – Laminated Glass**", dated 09/11/08, expiring on 08/07/13.

F. STATEMENTS

1. Statement letter of code conformance issued by Al-Farooq Corporation, dated 02/17/09, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest issued by Al-Farooq Corporation, dated 02/17/09, signed and sealed by Humayoun Farooq, P.E.
3. Laboratory compliance letter for Test Report No. **FTL-5276**, issued by Fenestration Testing Laboratory, Inc., dated 07/11/07, signed and sealed by Carlos S. Rionda, P.E. "**Evidence Submitted under NOA # 07-1120.10**"
4. Laboratory compliance letter for Test Report No. **ATL-0806.02-02**, issued by American Testing Lab of South Florida, dated 09/04/02, signed and sealed by William R. Mehner, P.E. "**Evidence Submitted under NOA # 03-0925.04**"

G. OTHER

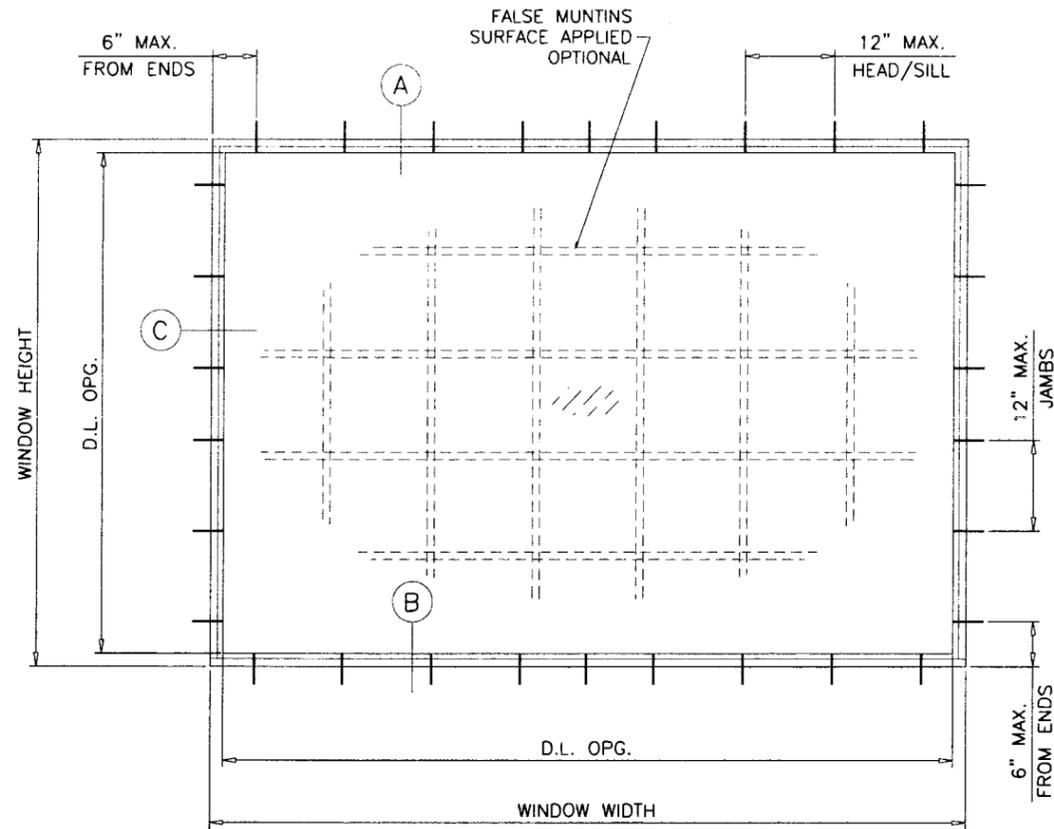
1. Notice of Acceptance No. **07-1120.10**, issued to T.M. Window & Door, LLC, approved on 05/01/08 and expiring on 01/08/09.



4/13/09

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 08-0917.08

Expiration Date: January 08, 2014
Approval Date: May 06, 2009



TYPICAL ELEVATION

SERIES 338 ALUMINUM FIXED WINDOW

DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 2 & 3.

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.

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.

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

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

APR 01 2009

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 08-0917-08
Expiration Date 2/10/2014
By *[Signature]*
Miami Dade Product Control Division

SERIES 338 ALUMINUM FIXED WINDOW (L.M.I.)
TM WINDOW AND DOOR
601 N.W. 12TH AVE.
POMPANO BEACH, FL. 33069
TEL. (954) 781-4430 FAX. (954) 781-5078

no	date	by	description
B	02.24.06		UPDATED FOR 2004 FBC
C	06.12.06		REV. PER BCCO COMMENTS
D	09.06.07		GENERAL REV.
E	02.19.09		UPDATED FOR 2007 FBC
F	03.30.09		NO CHANGE THIS SHEET

date: 07-11-03
scale: 1/2" = 1'-0"
dr. by: HAMID
chk. by:

drawing no.
W03-52

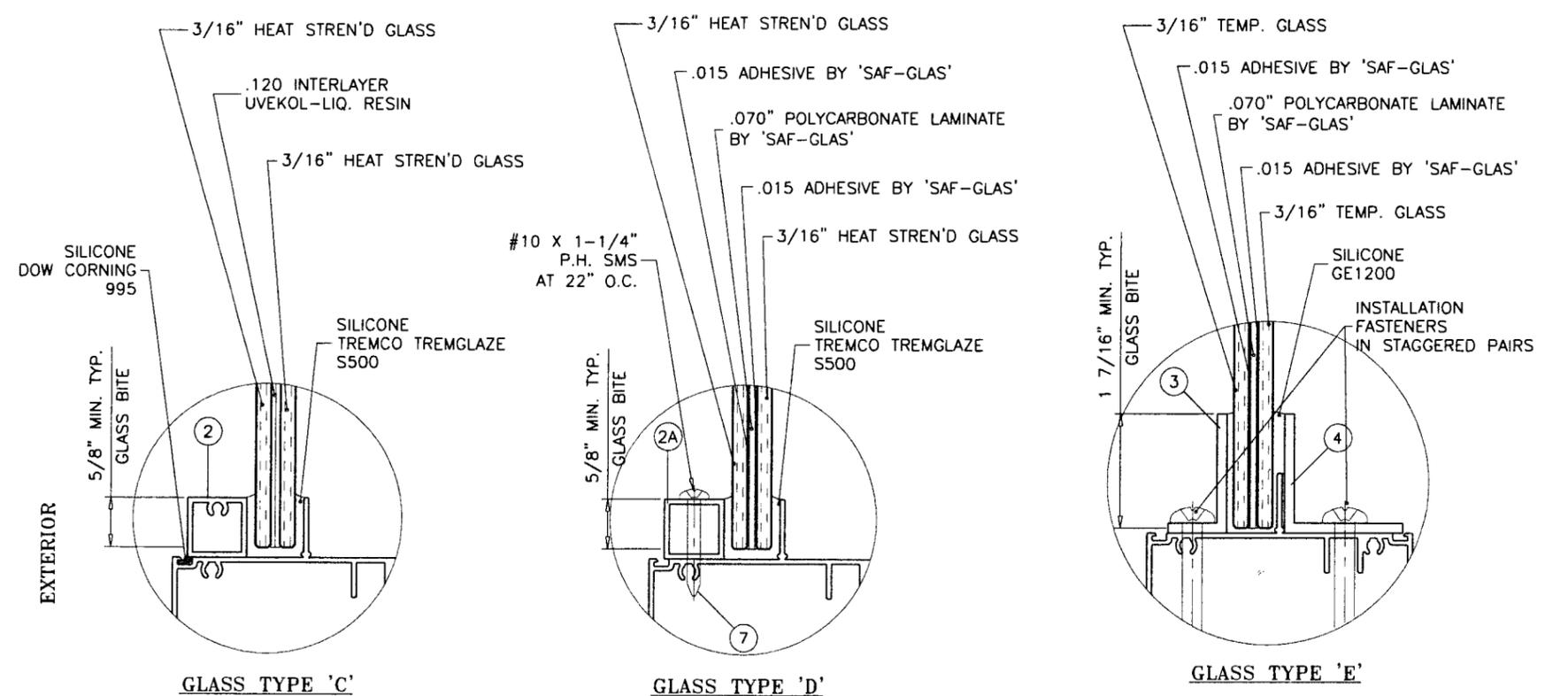
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP - ANL\W03-52TAW

DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		GLASS TYPE 'C'		GLASS TYPE 'D'		GLASS TYPE 'E'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
36"	48"	75.0	75.0	90.0	90.0	95.0	95.0
42"		75.0	75.0	90.0	90.0	95.0	95.0
48"		75.0	75.0	90.0	90.0	95.0	95.0
54"		75.0	75.0	90.0	90.0	95.0	95.0
60"		75.0	75.0	90.0	90.0	95.0	95.0
66"		75.0	75.0	90.0	90.0	95.0	95.0
72"	75.0	75.0	90.0	90.0	95.0	95.0	
36"	60"	75.0	75.0	90.0	90.0	95.0	95.0
42"		75.0	75.0	90.0	90.0	95.0	95.0
48"		75.0	75.0	90.0	90.0	95.0	95.0
54"		75.0	75.0	80.0	80.0	95.0	95.0
60"		72.0	72.0	72.0	72.0	95.0	95.0
66"		72.0	72.0	72.0	72.0	95.0	95.0
72"	72.0	72.0	72.0	72.0	95.0	95.0	
36"	72"	75.0	75.0	90.0	90.0	95.0	95.0
42"		75.0	75.0	90.0	90.0	95.0	95.0
48"		75.0	75.0	90.0	90.0	95.0	95.0
54"		75.0	75.0	80.0	80.0	95.0	95.0
60"		72.0	72.0	72.0	72.0	95.0	95.0
66"		X X	X X	X X	X X	86.4	86.4
72"	X X	X X	X X	X X	79.2	79.2	
36"	84"	75.0	75.0	90.0	90.0	95.0	95.0
42"		75.0	75.0	90.0	90.0	95.0	95.0
48"		75.0	75.0	87.4	87.4	95.0	95.0
54"		75.0	75.0	77.7	77.7	95.0	95.0
60"		X X	X X	X X	X X	95.0	95.0
66"		X X	X X	X X	X X	86.4	86.4
72"	X X	X X	X X	X X	79.2	79.2	
36"	96"	75.0	75.0	90.0	90.0	95.0	95.0
42"		75.0	75.0	90.0	90.0	95.0	95.0
48"		75.0	75.0	77.7	77.7	95.0	95.0
54"		X X	X X	X X	X X	95.0	95.0
60"		X X	X X	X X	X X	95.0	95.0
66"		X X	X X	X X	X X	86.4	86.4
72"	X X	X X	X X	X X	79.2	79.2	
36"	102"	75.0	75.0	90.0	90.0	95.0	95.0
42"		75.0	75.0	90.0	90.0	95.0	95.0
48"		X X	X X	X X	X X	95.0	95.0
54"		X X	X X	X X	X X	95.0	95.0
60"		X X	X X	X X	X X	95.0	95.0
66"		X X	X X	X X	X X	86.4	86.4
36"	108"	75.0	75.0	90.0	90.0	95.0	95.0
42"		75.0	75.0	89.7	89.7	95.0	95.0
48"		X X	X X	X X	X X	95.0	95.0
54"		X X	X X	X X	X X	95.0	95.0
60"		X X	X X	X X	X X	95.0	95.0
66"		X X	X X	X X	X X	86.4	86.4
36"	114"	75.0	75.0	90.0	90.0	95.0	95.0
42"		X X	X X	X X	X X	95.0	95.0
48"		X X	X X	X X	X X	95.0	95.0
54"		X X	X X	X X	X X	95.0	95.0
60"	X X	X X	X X	X X	95.0	95.0	
36"	120"	75.0	75.0	90.0	90.0	95.0	95.0
42"		X X	X X	X X	X X	95.0	95.0
48"		X X	X X	X X	X X	95.0	95.0
54"		X X	X X	X X	X X	95.0	95.0
60"	X X	X X	X X	X X	95.0	95.0	

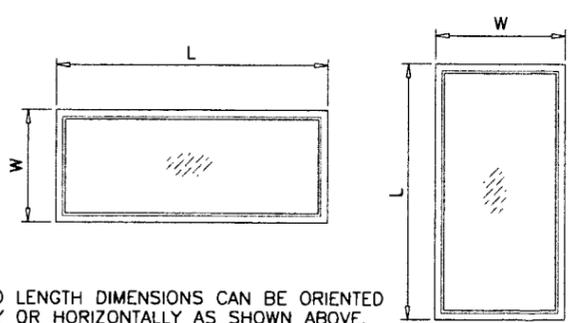
DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		GLASS TYPE 'C'		GLASS TYPE 'D'		GLASS TYPE 'E'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
36"	126"	75.0	75.0	90.0	90.0	95.0	95.0
42"		X X	X X	X X	X X	95.0	95.0
48"		X X	X X	X X	X X	95.0	95.0
54"		X X	X X	X X	X X	95.0	95.0
36"	132"	X X	X X	X X	X X	95.0	95.0
42"		X X	X X	X X	X X	95.0	95.0
48"		X X	X X	X X	X X	95.0	95.0
54"		X X	X X	X X	X X	95.0	95.0
36"	138"	X X	X X	X X	X X	95.0	95.0
42"		X X	X X	X X	X X	95.0	95.0
48"		X X	X X	X X	X X	95.0	95.0
36"	144"	X X	X X	X X	X X	95.0	95.0
42"		X X	X X	X X	X X	95.0	95.0
48"		X X	X X	X X	X X	95.0	95.0

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-02/04 (3 SEC. GUSTS).

DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		GLASS TYPE 'C'		GLASS TYPE 'D'		GLASS TYPE 'E'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	26"	75.0	75.0	90.0	90.0	95.0	95.0
26-1/2"		75.0	75.0	90.0	90.0	95.0	95.0
37"		75.0	75.0	90.0	90.0	95.0	95.0
53-1/8"		75.0	75.0	90.0	90.0	95.0	95.0
19-1/8"	38-3/8"	75.0	75.0	90.0	90.0	95.0	95.0
26-1/2"		75.0	75.0	90.0	90.0	95.0	95.0
37"		75.0	75.0	90.0	90.0	95.0	95.0
53-1/8"		75.0	75.0	90.0	90.0	95.0	95.0
19-1/8"	50-5/8"	75.0	75.0	90.0	90.0	95.0	95.0
26-1/2"		75.0	75.0	90.0	90.0	95.0	95.0
37"		75.0	75.0	90.0	90.0	95.0	95.0
53-1/8"		75.0	75.0	85.3	85.3	95.0	95.0
19-1/8"	63"	75.0	75.0	90.0	90.0	95.0	95.0
26-1/2"		75.0	75.0	90.0	90.0	95.0	95.0
37"		75.0	75.0	90.0	90.0	95.0	95.0
53-1/8"		75.0	75.0	81.3	81.3	95.0	95.0
19-1/8"	74-1/4"	75.0	75.0	90.0	90.0	95.0	95.0
26-1/2"		75.0	75.0	90.0	90.0	95.0	95.0
37"		75.0	75.0	90.0	90.0	95.0	95.0
53-1/8"		75.0	75.0	81.3	81.3	95.0	95.0



GLAZING OPTIONS



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

APR 01 2009

PRODUCT RENEWEL
as complying with the Florida
Building Code
Acceptance No 08-0917-08
Expiration Date 01/08/2014

By: *[Signature]*
Miami Trade 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 - 52TMW

SERIES 338 ALUMINUM FIXED WINDOW (L.M.I.)

TM WINDOW AND DOOR
601 N.W. 12TH AVE.
POMPANO BEACH, FL. 33069
TEL. (954) 781-4430 FAX. (954) 781-5078

no	date	description
B	02.24.06	GLASS NOTE ADDED
C	06.12.06	NO CHANGE THIS SHEET
D	09.06.07	GENERAL REV.
E	02.19.09	UPDATED FOR 2007 FBC
F	03.30.09	CHART REV.

revisions:

date: 07-11-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

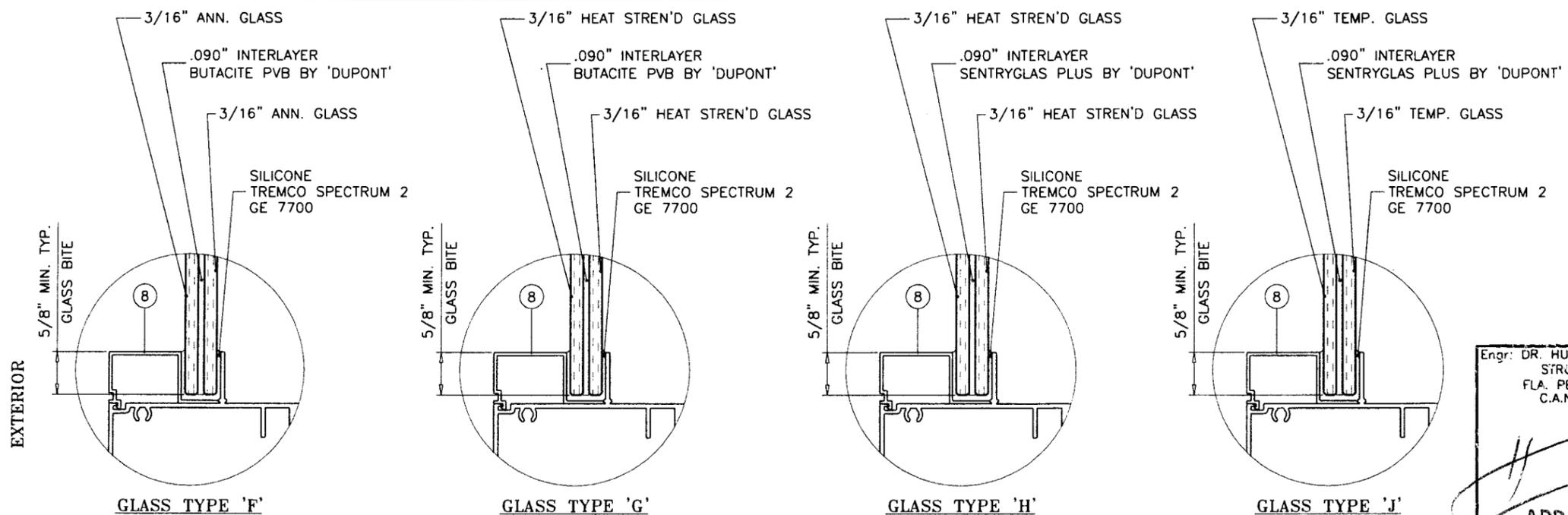
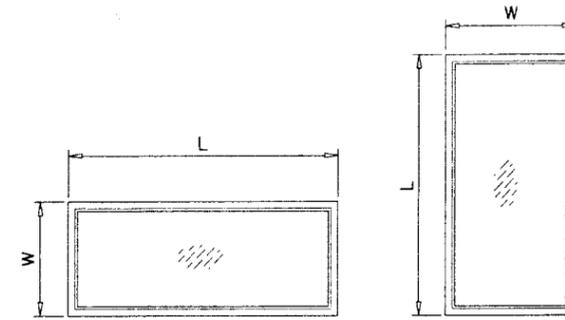
drawing no.
W03-52

sheet 2 of 5

DESIGN LOAD CAPACITY - PSF										
WINDOW DIMS.		GLASS TYPE 'F'		GLASS TYPE 'G'		GLASS TYPE 'H'		GLASS TYPE 'J'		
WIDTH	LENGTH	EXT. (+)	INT. (-)							
36"	48"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0	
42"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0	
48"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0	
54"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0	
60"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0	
66"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0	
72"		76.5	76.5	90.0	90.0	90.0	111.0	90.0	140.0	
36"	60"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0	
42"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0	
48"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0	
54"		71.1	71.1	80.0	80.0	80.0	98.7	80.0	124.4	
60"		64.0	64.0	72.0	72.0	72.0	88.8	72.0	112.0	
66"		64.0	64.0	72.0	72.0	72.0	88.8	72.0	112.0	
72"		64.0	64.0	72.0	72.0	72.0	88.8	72.0	112.0	
36"	72"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0	
42"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0	
48"		76.5	76.5	90.0	90.0	90.0	111.0	90.0	140.0	
54"		71.1	71.1	80.0	80.0	80.0	98.7	80.0	124.4	
60"		64.0	64.0	72.0	72.0	72.0	88.8	72.0	112.0	
36"		84"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
42"			69.8	69.8	90.0	90.0	90.0	111.0	90.0	140.0
48"	65.4		65.4	90.0	90.0	90.0	111.0	90.0	140.0	
54"	64.1		64.1	80.0	80.0	80.0	98.7	80.0	124.4	
36"	96"	75.9	75.9	90.0	90.0	90.0	111.0	90.0	140.0	
42"		64.3	64.3	90.0	90.0	90.0	111.0	90.0	140.0	
48"		59.8	59.8	90.0	90.0	90.0	111.0	90.0	134.7	
36"	102"	73.9	73.9	90.0	90.0	90.0	111.0	90.0	140.0	
42"		64.5	64.5	90.0	90.0	90.0	111.0	90.0	140.0	
36"	108"	74.1	74.1	90.0	90.0	90.0	111.0	90.0	140.0	
42"		61.3	61.3	90.0	90.0	90.0	111.0	90.0	140.0	
36"	114"	74.0	74.0	90.0	90.0	90.0	111.0	90.0	140.0	
36"	120"	74.0	74.0	90.0	90.0	90.0	111.0	90.0	140.0	
36"	126"	72.7	72.7	90.0	90.0	90.0	111.0	90.0	140.0	

DESIGN LOAD CAPACITY - PSF									
WINDOW DIMS.		GLASS TYPE 'F'		GLASS TYPE 'G'		GLASS TYPE 'H'		GLASS TYPE 'J'	
WIDTH	LENGTH	EXT. (+)	INT. (X)						
19-1/8"	26"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
26-1/2"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
37"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
53-1/8"	38-3/8"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
19-1/8"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
26-1/2"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
37"	50-5/8"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
53-1/8"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
19-1/8"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
26-1/2"	63"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
37"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
53-1/8"		72.3	72.3	81.3	81.3	81.3	100.3	81.3	126.5
19-1/8"	74-1/4"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
26-1/2"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
37"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
53-1/8"		71.4	71.4	81.3	81.3	81.3	100.3	81.3	126.5

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-02/04 (3 SEC. GUSTS).



GLAZING OPTIONS

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

APR 01 2009

PRODUCT RENEWEL
as complying with the Florida
Building Code
Acceptance No. 08-0717-08
Expiration Date 01/08/2019
By: *[Signature]*
Miami Code Product Control
Division

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\W03-52T.MW

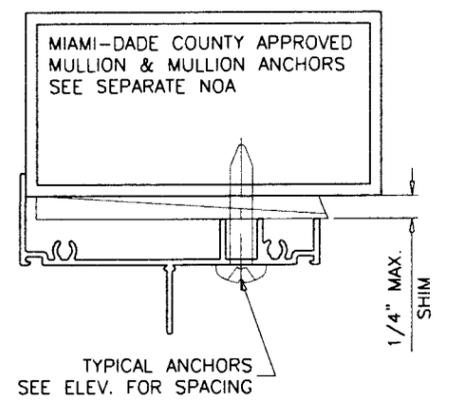
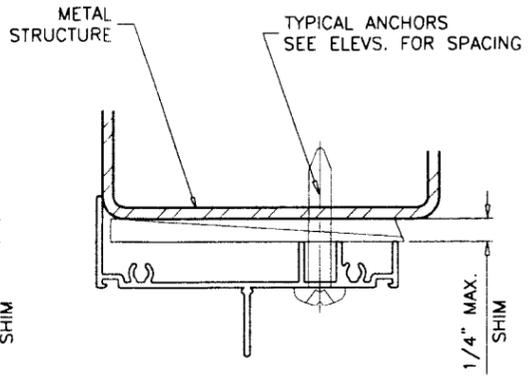
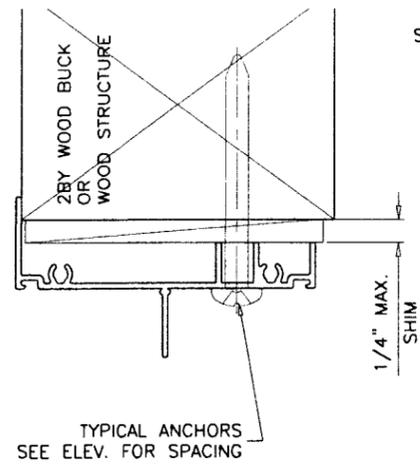
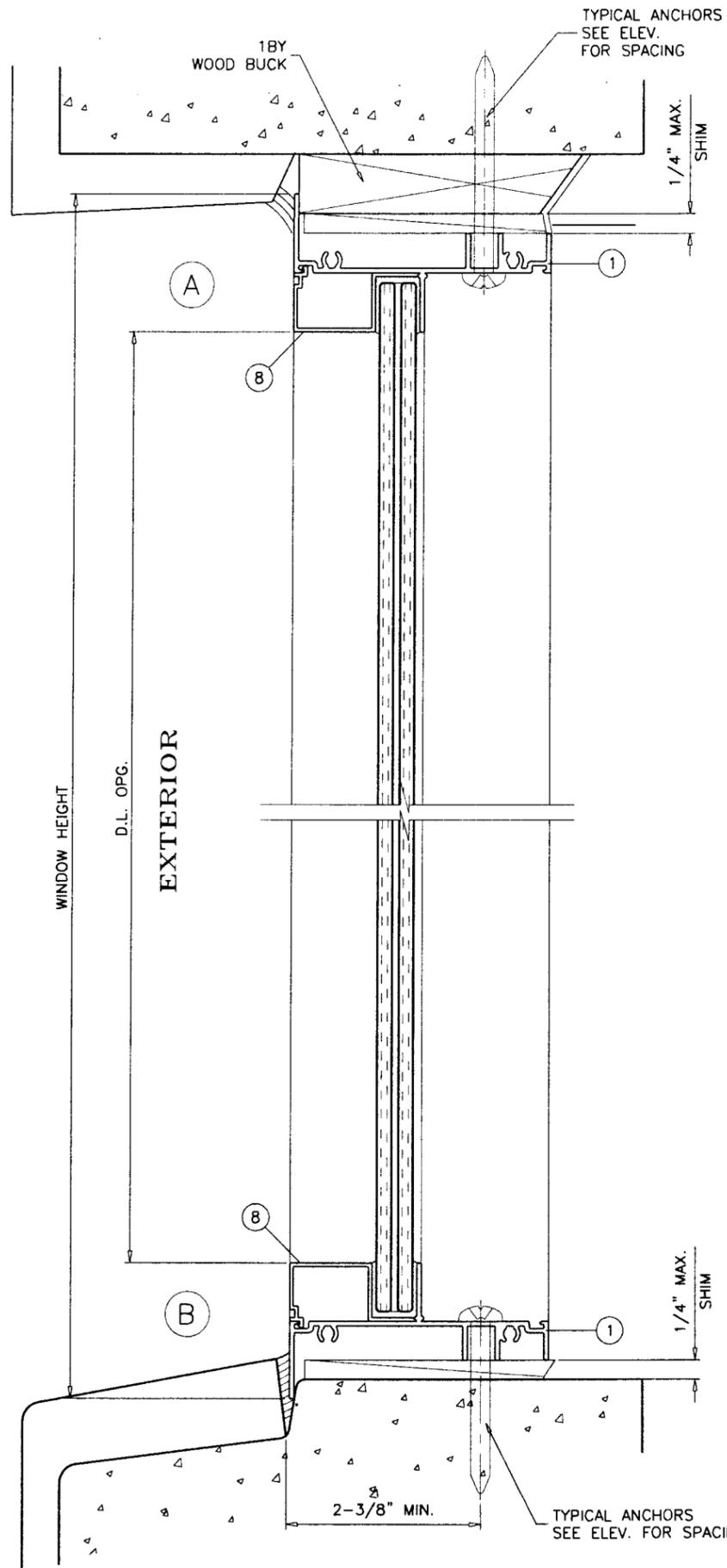
SERIES 338 ALUMINUM FIXED WINDOW (L.M.I.)

TM WINDOW AND DOOR
601 N.W. 12TH AVE.
POMPANO BEACH, FL. 33069
TEL. (954) 781-4430 FAX. (954) 781-5078

no	date	description
B	02.24.06	GLASS NOTE ADDED
C	06.12.06	NO CHANGE THIS SHEET
D	09.06.07	GENERAL REV.
E	02.19.09	UPDATED FOR 2007 FBC
F	03.30.09	CHART REV.

date: 07-11-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-52
sheet 3 of 5



TYPICAL ANCHORS
SEE ELEV. FOR SPACING

TYPICAL ANCHORS
SEE ELEV. FOR SPACING

TYPICAL ANCHORS
SEE ELEV. FOR SPACING

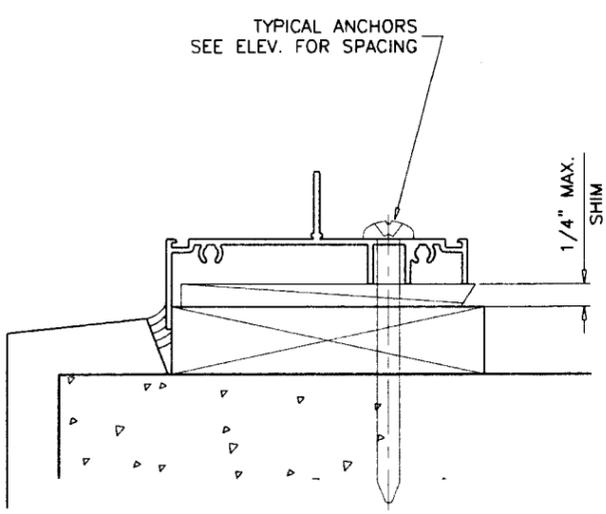
WOOD BUCKS AND METAL STRUCTURE NOT BY TM WINDOWS
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. TAPCONS BY 'ITW'
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 C-90 BLOCKS
 1-1/4" MIN. EMBED INTO CONC. OR BLOCK
 DIRECTLY INTO CONC. OR C-90 BLOCKS
 1-1/4" MIN. EMBED INTO CONC. OR BLOCK
1/4" DRILLFLEX OR SELF DRILLING SCREWS (GRADE 5 CRS, Fy=92 KSI MIN.)
 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)

#14 SMS OR SELF DRILLING SCREWS
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .100")
TYPICAL EDGE DISTANCE
 INTO CONCRETE = 2-3/8" MIN.
 INTO C-90 BLOCK = 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:
 FRAME CORNERS SEALED WITH ACRYLIC SEALANT.



TYPICAL ANCHORS
SEE ELEV. FOR SPACING

1/4" MAX.
SHIM

TYPICAL ANCHORS
SEE ELEV. FOR SPACING

2-3/8" MIN.

Engr. DR. HUMAYOJUN FAROOQ
 STRUCTURES
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 Miami Dade Product Control
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afC
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 ENGINEERS & PRODUCT DEVELOPMENT
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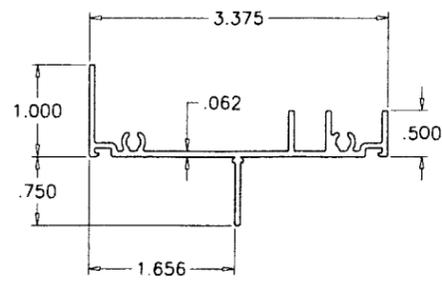
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no	date	by	description
B	02.24.06	ANCHORS REV.	
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E	02.19.09	UPDATED FOR 2007 FBC	
F	03.30.09	REV. PER BCCO COMMENTS	

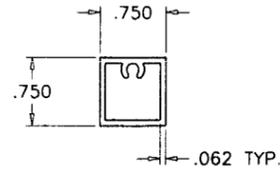
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date: 07-11-03
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

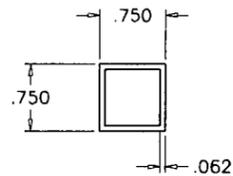
drawing no.
W03-52
 sheet 4 of 5



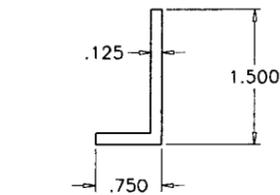
1 WINDOW FRAME



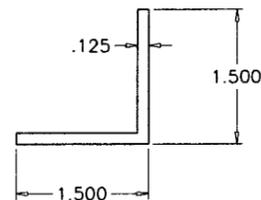
2 GLAZING STOP TUBE



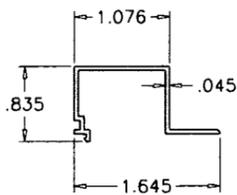
2A GLAZING STOP TUBE



3 GLAZING STOP EXTERIOR ANGLE

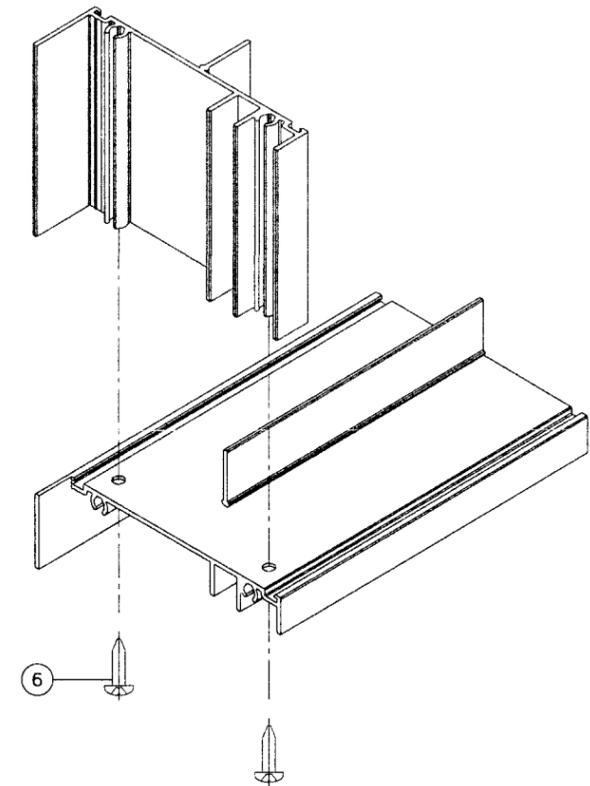
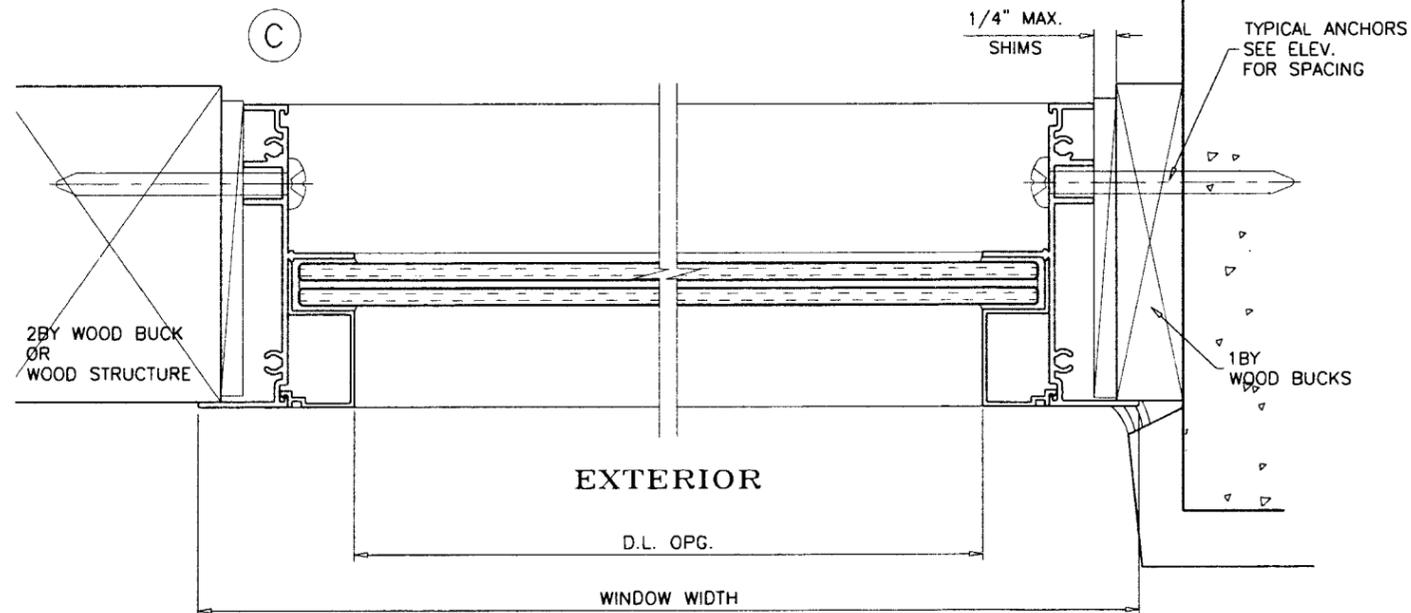
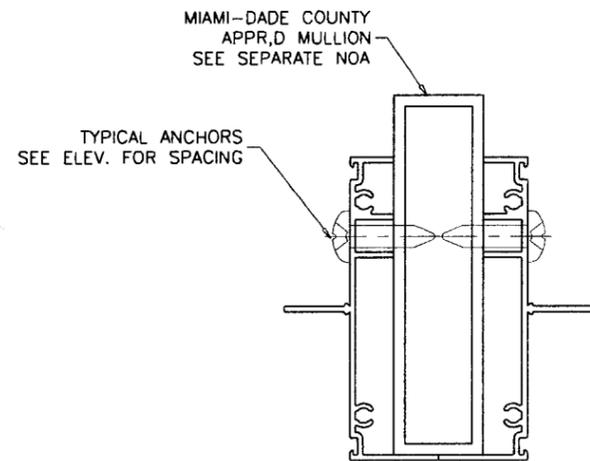


4 GLAZING STOP INTERIOR ANGLE

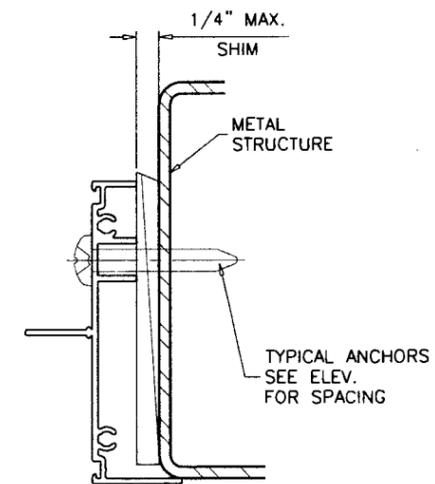


8 GLAZING BEAD

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	GW-35277-A	4	WINDOW FRAME	6063-T6	-
2	1296	AS REQD.	GLAZING STOP TUBE	6063-T5	-
2A	PW-338	AS REQD.	GLAZING STOP TUBE	6063-T5	-
3	BPA-1960	AS REQD.	GLAZING STOP EXTERIOR ANGLE	6063-T5	-
4	BPA-1960	AS REQD.	GLAZING STOP INTERIOR ANGLE	6063-T5	-
6	#10 X 1"	-	FRAME ASSEMBLY SCREWS	-	P.H. SMS
7	#10 X 1-1/4"	-	GLAZING STOP SCREWS	-	P.H. SMS
8	TM-174	AS REQD.	GLAZING BEAD	6063-T5	-



TYP. CORNER DETAIL



Engr. DR. HUMAYOON FAROOQ
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sheet 5 of 5