



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

MIAMI-DADE COUNTY
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

SIW Impact Windows, LLC
975 S. Congress Avenue, # 102
Delray Beach, FL 33445

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 "300 StormSafe" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. W07-49, titled "S-300 StormSafe Alum. Fixed Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 05/18/07, with revision E dated 01/20/12, 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 # 10-0715.03 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



MP
4/16/12

NOA No. 12-0221.08
Expiration Date: August 29, 2017
Approval Date: April 26, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W07-49**, titled "S-300 StormSafe Alum Fixed Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 05/18/07, with revision D dated 01/20/12, 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 203-94
along with marked-up drawings and installation diagram of a series 300 aluminum fixed window, prepared by American Test Lab of South Florida, Inc., Test Report No. **ATLSF-0525.01-10**, dated 06/09/10, and addendum letter dated 06/09/10, all signed and sealed by Julio E. Gonzalez, P.E.
(Submitted under previous NOA No. 10-0715.03)
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 a series 300 aluminum fixed window, prepared by Hurricane Engineering Testing Laboratory, Inc., Test Report No. **HETI-07-4115**, dated 04/09/07, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under previous NOA No. 07-0604.05)
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 a series 300 aluminum fixed window, prepared by Hurricane Engineering Testing Laboratory, Inc., Test Report No. **HETI-07-4111**, dated 01/25/07, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under previous NOA No. 07-0604.05)
4. 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 a series 300 aluminum fixed window, prepared by Hurricane Engineering Testing Laboratory, Inc., Test Report No. **HETI-07-4112**, dated 04/09/07, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under previous NOA No. 07-0604.05)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0221.08
Expiration Date: August 29, 2017
Approval Date: April 26, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. TESTS (CONTINUED)

5. 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 a series 300 aluminum fixed window, prepared by Hurricane Engineering Testing Laboratory, Inc., Test Report No. **HETI-07-4113**, dated 04/09/07, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under previous NOA No. 07-0604.05)
6. 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
along with marked-up drawings and installation diagram of a series 300 aluminum fixed window, prepared by Hurricane Engineering Testing Laboratory, Inc., Test Report No. **HETI-07-4114**, dated 04/09/07, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under previous NOA No. 07-0604.05)
7. 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
along with marked-up drawings and installation diagram of a series 300 aluminum fixed window, prepared by Hurricane Engineering Testing Laboratory, Inc., Test Report No. **HETI-07-4110**, dated 01/15/07, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under previous NOA No. 07-0604.05)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 06/11/10, signed and sealed by Javad Ahmad, P. E.
(Submitted under previous NOA#10-0715.03)
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. 12-0221.08
Expiration Date: August 29, 2017
Approval Date: April 26, 2012

SIW Impact Windows, LLC.

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 SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. 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

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated January 20, 2012, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Laboratory compliance letter for Test Reports No. **HETI-07-4115, HETI-07-4111, HETI-07-4112, HETI-07-4113, HETI-07-4114** and **HETI-07-4110**, issued by Hurricane Engineering Testing Laboratory, Inc., dated 01/15/25 and 04/09/07, all signed and sealed by Rafael E. Droz-Seda, P. E.
(Submitted under previous NOA No. 07-0604.05)

G. OTHER

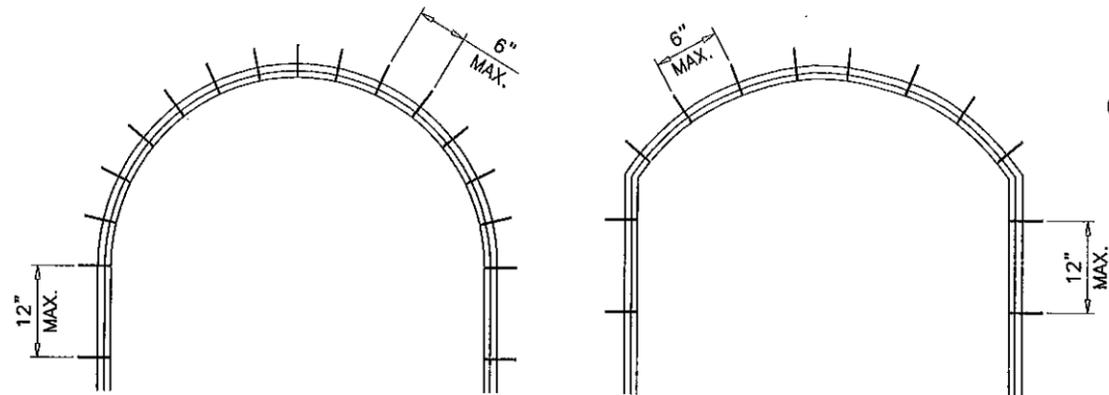
1. Notice of Acceptance No. **10-0715.03**, issued to SIW Impact Windows, LLC for their Series "300 Stormsafe" Aluminum Fixed Window – L.M.I., approved on 11/25/10 and expiring on 08/29/12.


Manuel Perez, P.E.

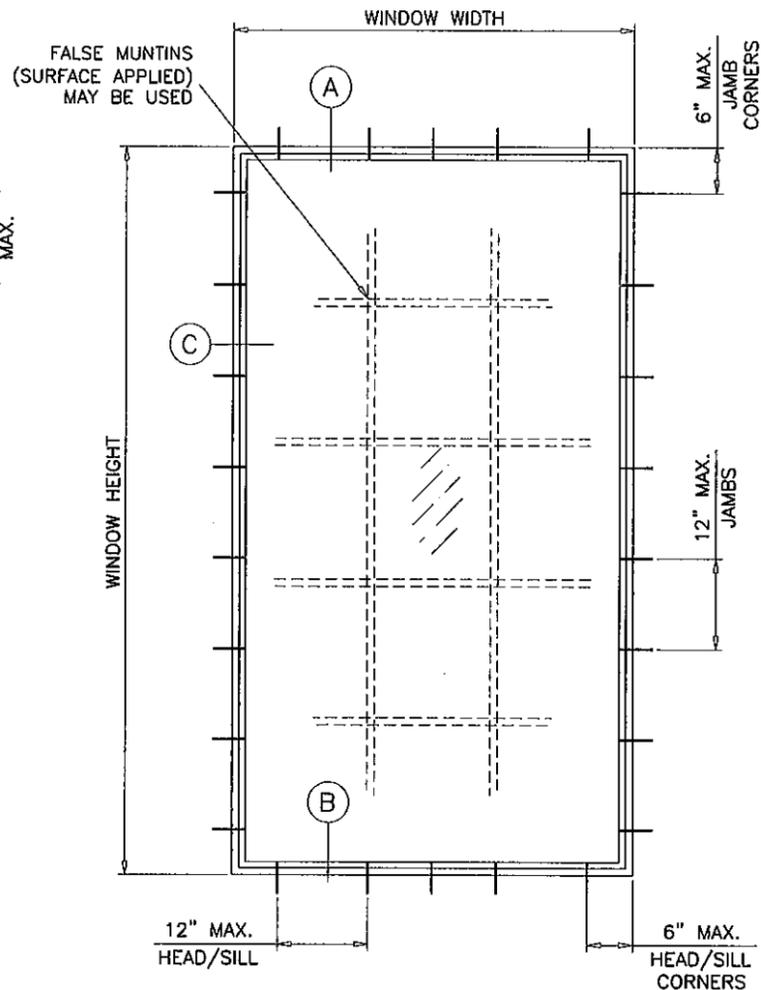
Product Control Examiner
NOA No. 12-0221.08

Expiration Date: August 29, 2017

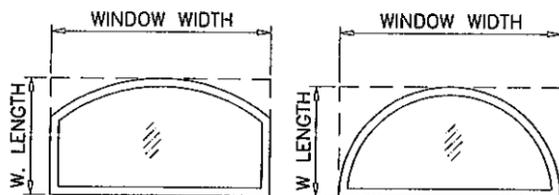
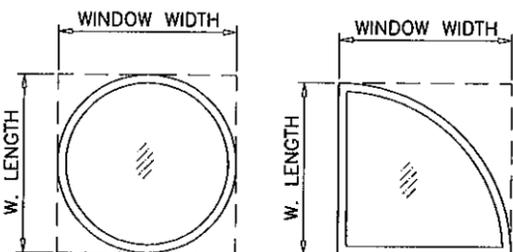
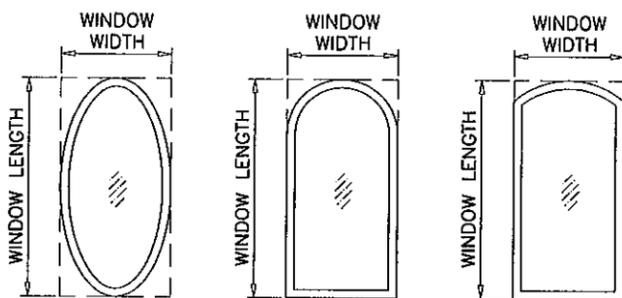
Approval Date: April 26, 2012



6" MAX. ANCHOR SPACING AT CURVED FRAMES
12" MAX. ANCHOR SPACING AT STRAIGHT FRAMES



TYPICAL ELEVATION



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 300 STORMSAFE
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 SHEETS 2 AND 3.

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.

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

Engr. JAVAD, AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
JAN 30 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0221.08
Expiration Date AUG. 29, 2017
By *Manuel Ruiz*
Miami Dade Product Control

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\W07-49SIW

S-300 STORMSAFE ALUM FIXED WDW. (L.M.I.)
SIW IMPACT WINDOWS, LLC.
975 S. CONGRESS AVE. #102
DELRAY BEACH, FL. 33445
TEL (561) 274-9392 FAX (561) 274-9282

no	date	by	description
A	07.13.07		REV. PER BCCO COMMENTS
B	07.24.09		UPDATED FOR 2007 FBC
C	06.14.10		NO CHANGE THIS SHEET
D	10.19.10		REV. PER BCCO COMMENTS
E	01.20.12		UPDATED TO 2010 FBC

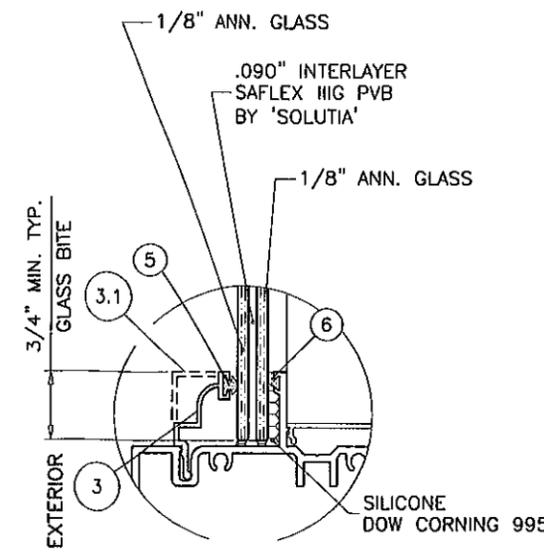
date: 05-18-07
scale: 1/2" = 1'-0"
dr. by: HAMID
chk. by:

drawing no.
W07-49

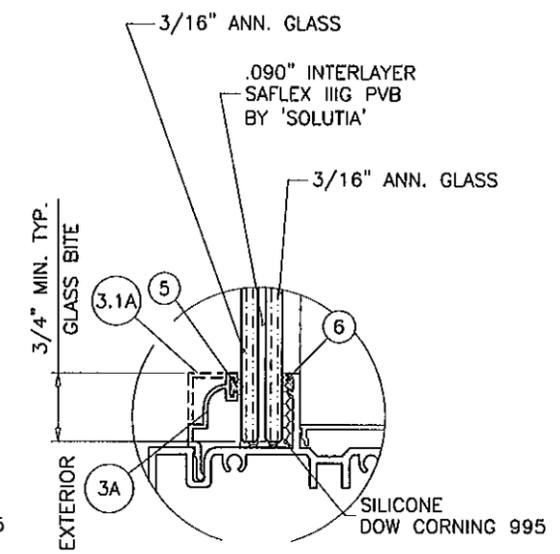
sheet 1 of 6

DESIGN LOAD CAPACITY - PSF

WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'C'		GLASS TYPE 'D'	
WIDTH	LENGTH	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
26-1/2"	26"	60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
32"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
37"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
42"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
48"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
53-1/8"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
26-1/2"	38-3/8"	60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
32"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
37"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
42"		57.9	57.9	70.0	70.0	90.0	130.0	60.0	60.0
48"		57.9	57.9	70.0	70.0	90.0	130.0	60.0	60.0
53-1/8"		57.9	57.9	70.0	70.0	90.0	130.0	60.0	60.0
26-1/2"	50-5/8"	60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
32"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
37"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
42"		52.9	52.9	70.0	70.0	90.0	130.0	60.0	60.0
48"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
53-1/8"		-	-	70.0	70.0	90.0	130.0	59.4	59.4
26-1/2"	63"	60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
32"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
37"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
42"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
48"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
53-1/8"		-	-	-	-	90.0	130.0	-	-
26-1/2"	74-1/4"	60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
32"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
37"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
42"		-	-	70.0	70.0	90.0	130.0	-	-
48"		-	-	-	-	90.0	130.0	-	-
53-1/8"		-	-	-	-	90.0	130.0	-	-
26-1/2"	78"	60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
32"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
37"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
42"		-	-	-	-	90.0	130.0	-	-
48"		-	-	-	-	90.0	130.0	-	-
53-1/8"		-	-	-	-	90.0	130.0	-	-
26-1/2"	84"	60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
32"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
37"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
42"		-	-	-	-	90.0	130.0	-	-
48"		-	-	-	-	90.0	130.0	-	-
53-1/8"		-	-	-	-	90.0	129.4	-	-
26-1/2"	96"	-	-	70.0	70.0	90.0	130.0	60.0	60.0
32"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
37"		-	-	-	-	90.0	130.0	-	-
42"		-	-	-	-	90.0	128.6	-	-
48"		-	-	-	-	90.0	119.5	-	-
53-1/8"		-	-	-	-	90.0	111.8	-	-
26-1/2"	108"	-	-	-	-	90.0	130.0	-	-
32"		-	-	-	-	90.0	130.0	-	-
37"		-	-	-	-	90.0	130.0	-	-
42"		-	-	-	-	90.0	122.5	-	-
26-1/2"	120"	-	-	-	-	90.0	130.0	-	-
32"		-	-	-	-	90.0	130.0	-	-
37"		-	-	-	-	90.0	130.0	-	-
42"		-	-	-	-	90.0	112.4	-	-
26-1/2"	126"	-	-	-	-	90.0	130.0	-	-
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37"		-	-	-	-	90.0	130.0	-	-

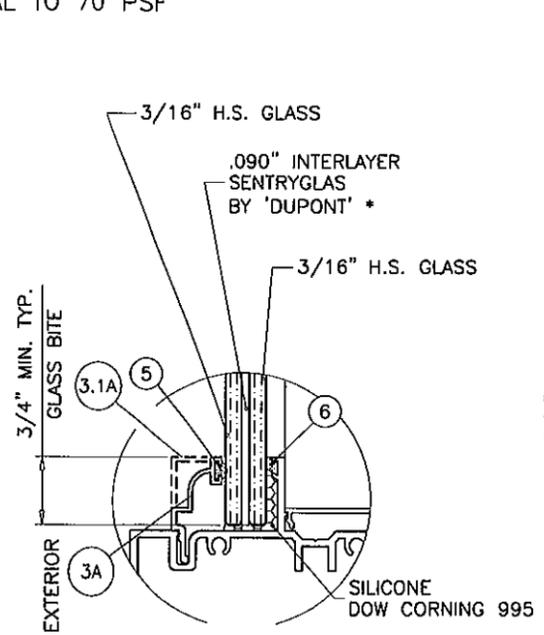


GLASS TYPE 'A'
23/64" OVERALL

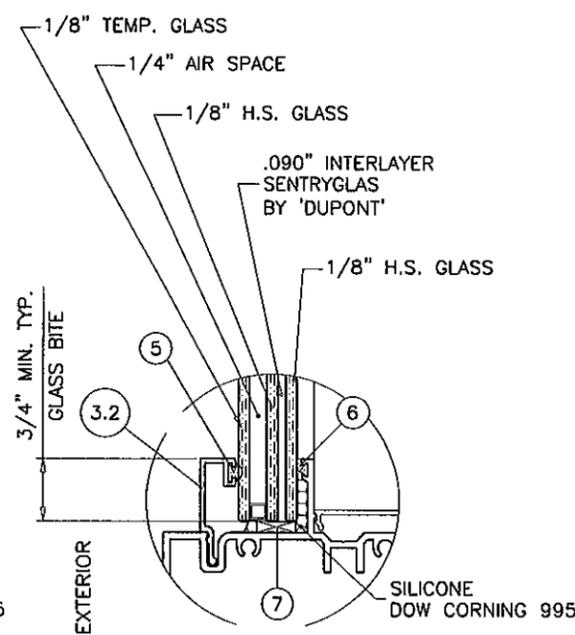


GLASS TYPE 'B'
29/64" OVERALL

FOR LOADS LESS THAN OR EQUAL TO 70 PSF
MIN. GLASS BITE CAN BE 5/8".
GLASS TYPES A, B & D.

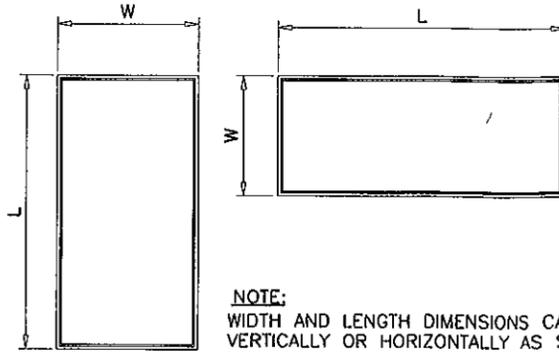


GLASS TYPE 'C'
7/16" OVERALL



GLASS TYPE 'D'
11/16" OVERALL

* E.I. DUPONT DE NEMOURS & CO. INC.



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

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

Engr. JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3536

JAN 30 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0221.08
Expiration Date AUG. 29, 2017

By: *Manuel Lopez*
Miami Made 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\W07-49SIW

S-300 STORMSAFE ALUM FIXED WDW. (L.M.I.)
SIW IMPACT WINDOWS, LLC.
975 S. CONGRESS AVE. #102
DELRAY BEACH, FL. 33445
TEL. (561) 274-9392 FAX. (561) 274-9262

no	date	description
A	07.13.07	REV. PER BCCO COMMENTS
B	07.24.09	UPDATED FOR 2007 FBC
C	06.14.10	INSUL. LAM. GLASS ADD.
D	10.19.10	REV. PER BCCO COMMENTS
E	01.20.12	UPDATED TO 2010 FBC

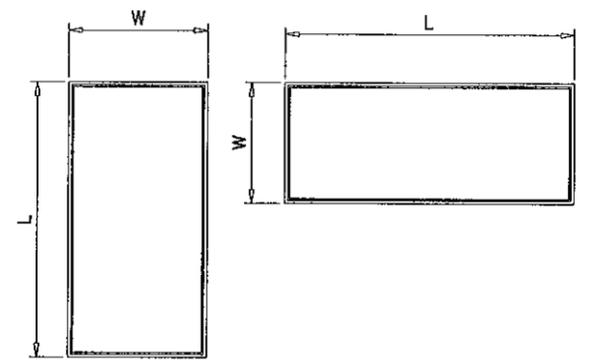
date: 05-18-07
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W07-49

sheet 2 of 6

DESIGN LOAD CAPACITY - PSF									
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'C'		GLASS TYPE 'D'	
WIDTH	LENGTH	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	36"	60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
30"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
36"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
42"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
48"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
54"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
60"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
66"		-	-	-	-	70.0	70.0	60.0	60.0
72"		-	-	-	-	70.0	70.0	60.0	60.0
78"		-	-	-	-	70.0	70.0	60.0	60.0
84"	-	-	-	-	70.0	70.0	60.0	60.0	
88"	-	-	-	-	70.0	70.0	-	-	
24"	48"	60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
30"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
36"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
42"		52.9	52.9	70.0	70.0	90.0	130.0	60.0	60.0
48"		46.3	46.3	70.0	70.0	90.0	130.0	60.0	60.0
54"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
60"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
66"		-	-	-	-	70.0	70.0	-	-
72"		-	-	-	-	70.0	70.0	-	-
78"		-	-	-	-	70.0	70.0	-	-
84"	-	-	-	-	70.0	70.0	-	-	
88"	-	-	-	-	70.0	70.0	-	-	
24"	60"	60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
30"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
36"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
42"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
48"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
54"		-	-	-	-	88.5	127.9	-	-
60"		-	-	-	-	79.7	115.1	-	-
66"		-	-	-	-	70.0	70.0	-	-
72"		-	-	-	-	70.0	70.0	-	-
78"		-	-	-	-	70.0	70.0	-	-
84"	-	-	-	-	70.0	70.0	-	-	
88"	-	-	-	-	70.0	70.0	-	-	
24"	72"	60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
30"		60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
36"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
42"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
48"		-	-	-	-	90.0	130.0	-	-
54"		-	-	-	-	88.5	127.9	-	-
60"		-	-	-	-	79.7	115.1	-	-
66"		-	-	-	-	70.0	70.0	-	-
72"		-	-	-	-	70.0	70.0	-	-
78"		-	-	-	-	70.0	70.0	-	-
84"	-	-	-	-	70.0	70.0	-	-	
88"	-	-	-	-	70.0	70.0	-	-	
24"	84"	60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0
30"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
36"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
42"		-	-	-	-	90.0	130.0	-	-
48"		-	-	-	-	90.0	130.0	-	-
54"		-	-	-	-	88.5	127.9	-	-
60"		-	-	-	-	79.7	115.1	-	-
66"		-	-	-	-	70.0	70.0	-	-
72"		-	-	-	-	70.0	70.0	-	-
78"		-	-	-	-	69.6	69.6	-	-
84"	-	-	-	-	64.6	64.6	-	-	
88"	-	-	-	-	64.6	64.6	-	-	

DESIGN LOAD CAPACITY - PSF										
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'C'		GLASS TYPE 'D'		
WIDTH	LENGTH	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
24"	96"	60.0	60.0	70.0	70.0	90.0	130.0	60.0	60.0	
30"		-	-	70.0	70.0	90.0	130.0	60.0	60.0	
36"		-	-	-	-	90.0	130.0	-	-	
42"		-	-	-	-	90.0	128.6	-	-	
48"		-	-	-	-	90.0	119.5	-	-	
54"		-	-	-	-	70.0	70.0	-	-	
60"		-	-	-	-	70.0	70.0	-	-	
66"		-	-	-	-	70.0	70.0	-	-	
72"		-	-	-	-	70.0	70.0	-	-	
78"		-	-	-	-	69.6	69.6	-	-	
24"	108"	-	-	70.0	70.0	90.0	130.0	60.0	60.0	
30"		-	-	-	-	90.0	130.0	-	-	
36"		-	-	-	-	90.0	130.0	-	-	
42"		-	-	-	-	90.0	122.5	-	-	
48"		-	-	-	-	70.0	70.0	-	-	
54"		-	-	-	-	70.0	70.0	-	-	
60"		-	-	-	-	70.0	70.0	-	-	
66"		-	-	-	-	70.0	70.0	-	-	
72"		-	-	-	-	69.8	69.8	-	-	
24"		120"	-	-	70.0	70.0	90.0	130.0	60.0	60.0
30"	-		-	-	-	90.0	130.0	-	-	
36"	-		-	-	-	90.0	130.0	-	-	
42"	-		-	-	-	90.0	112.4	-	-	
48"	-		-	-	-	70.0	70.0	-	-	
54"	-		-	-	-	70.0	70.0	-	-	
60"	-		-	-	-	70.0	70.0	-	-	
24"	126"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
30"			-	-	-	-	90.0	130.0	-	-
36"			-	-	-	-	90.0	130.0	-	-
42"		-	-	-	-	70.0	70.0	-	-	
48"		-	-	-	-	70.0	70.0	-	-	
54"		-	-	-	-	70.0	70.0	-	-	
60"		-	-	-	-	70.0	70.0	-	-	
24"		132"	-	-	70.0	70.0	90.0	130.0	60.0	60.0
30"			-	-	-	-	70.0	70.0	-	-
36"			-	-	-	-	70.0	70.0	-	-
42"	-		-	-	-	70.0	70.0	-	-	
48"	-		-	-	-	70.0	70.0	-	-	
54"	-		-	-	-	70.0	70.0	-	-	
24"	138"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
30"			-	-	-	-	70.0	70.0	-	-
36"			-	-	-	-	70.0	70.0	-	-
42"			-	-	-	-	70.0	70.0	-	-
48"		-	-	-	-	70.0	70.0	-	-	
54"		-	-	-	-	70.0	70.0	-	-	
24"		144"	-	-	70.0	70.0	90.0	130.0	60.0	60.0
30"			-	-	-	-	70.0	70.0	-	-
36"			-	-	-	-	70.0	70.0	-	-
42"			-	-	-	-	70.0	70.0	-	-
48"	-		-	-	-	70.0	70.0	-	-	
54"	-		-	-	-	70.0	70.0	-	-	
24"	150"		-	-	70.0	70.0	90.0	130.0	60.0	60.0
30"			-	-	-	-	70.0	70.0	-	-
36"			-	-	-	-	70.0	70.0	-	-
42"			-	-	-	-	70.0	70.0	-	-
48"		-	-	-	-	70.0	70.0	-	-	



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

FOR LOADS LESS THAN OR EQUAL TO 70 PSF MIN. GLASS BITE CAN BE 5/8".
GLASS TYPES A, B & D.

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

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

JAN 30 2012

PRODUCT REVISED
is complying with the Florida Building Code
Acceptance No. 12-0221-08
Expiration Date AUG. 24, 2017

By: *Muhammad J. J.*
Miami Trade Product Control

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

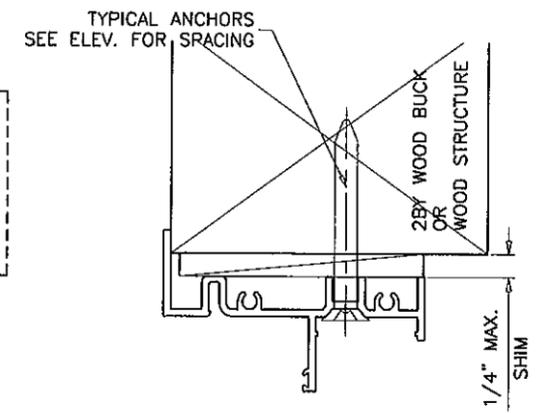
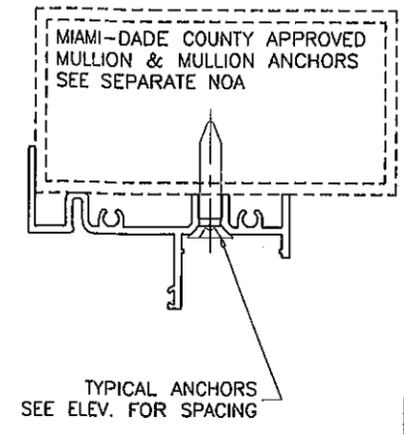
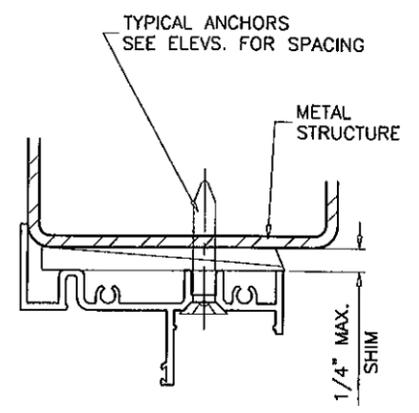
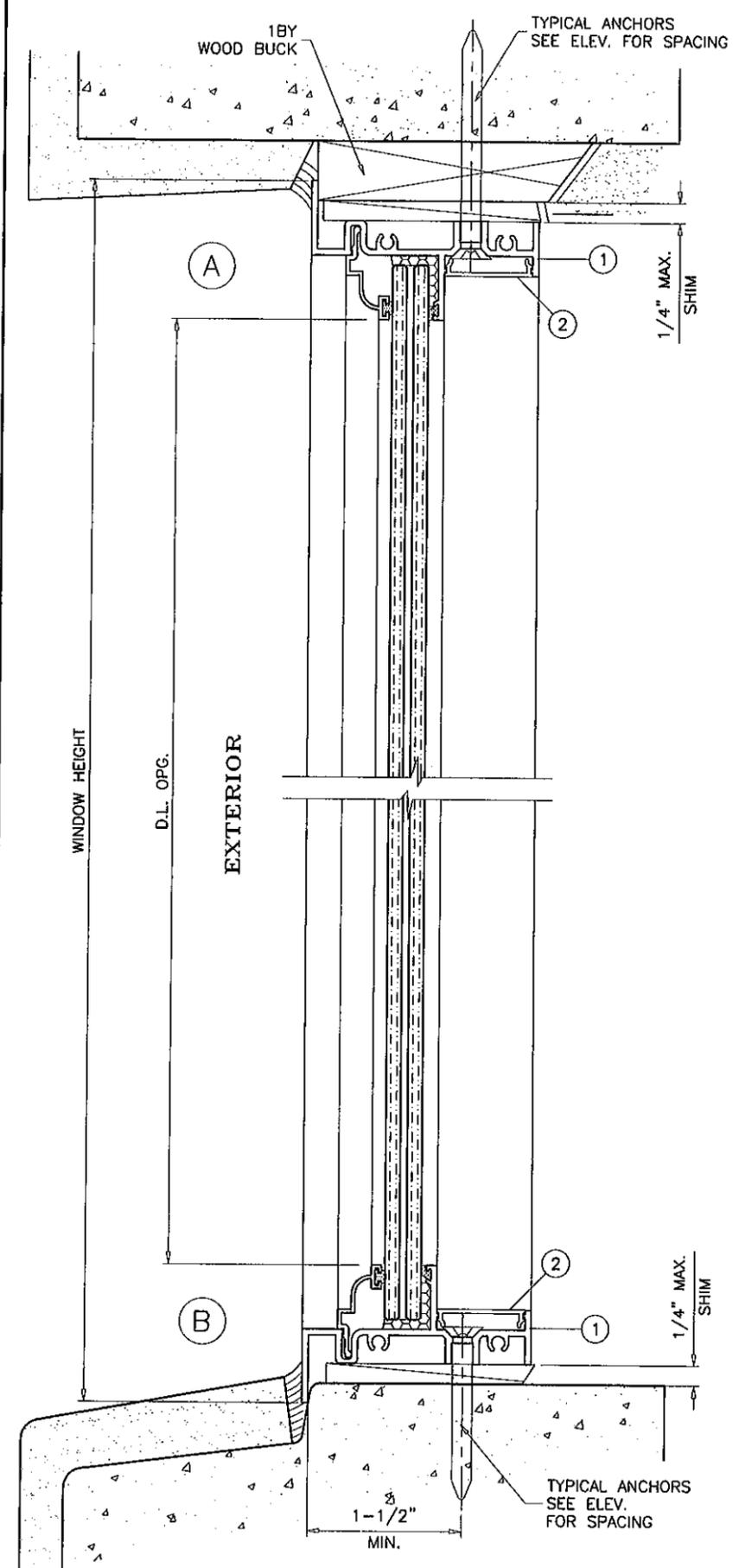
S-300 STORMSAFE ALUM FIXED WDW. (L.M.I.)
SIW IMPACT WINDOWS, LLC.
975 S. CONGRESS AVE. #102
DELRAY BEACH, FL. 33445
TEL. (561) 274-9392 FAX. (561) 274-9262

no.	date	description
A	07.13.07	REV. PER BCCO COMMENTS
B	07.24.09	UPDATED FOR 2007 FBC
C	06.14.10	CHART REV.
D	10.19.10	REV. PER BCCO COMMENTS
E	01.20.12	NO CHANGE THIS SHEET

date: 05-18-07
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no. **W07-49**
sheet 3 of 6

COMP-ANL\W07-49SIW



WOOD BUCKS AND METAL STRUCTURE NOT BY S.I.W. 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

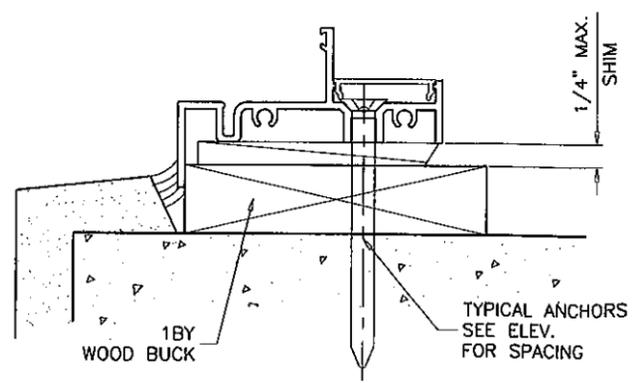
#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO METAL STRUCTURES
 STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#12 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
 (NO SHIM SPACE)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 1-1/2" 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.

SEALANTS:
 ALL JOINTS AND FRAME CONNECTIONS SEALED WITH CRL SMALL JOINT SEALER.



Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 JAN 30 2012

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 12-0221-08
 Expiration Date AUG. 29, 2017
 Miami Dade Product Control

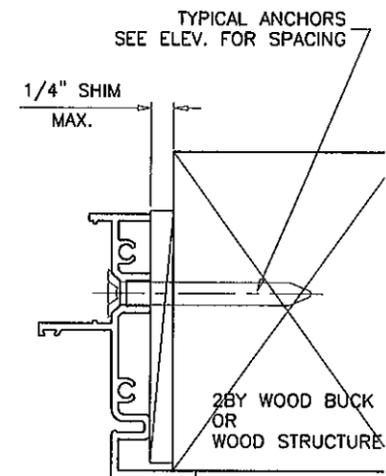
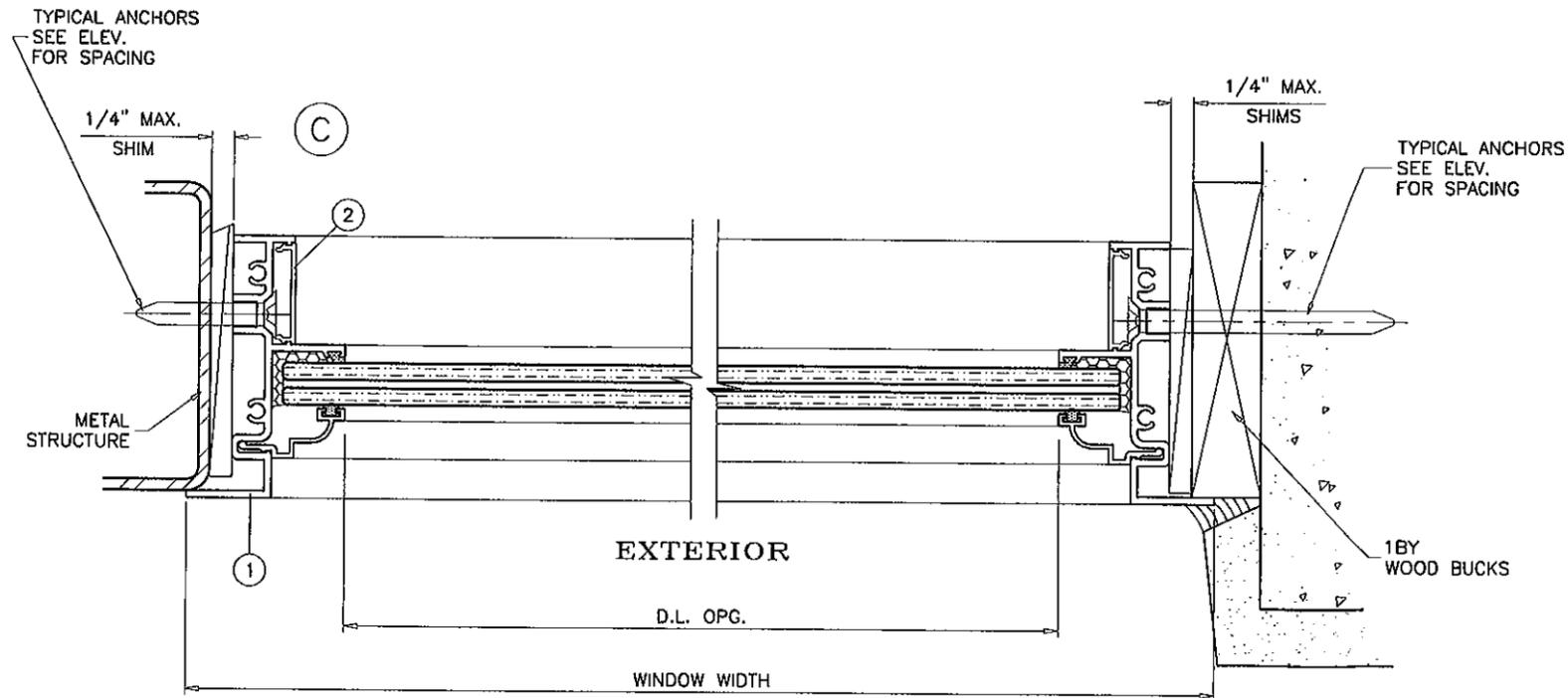
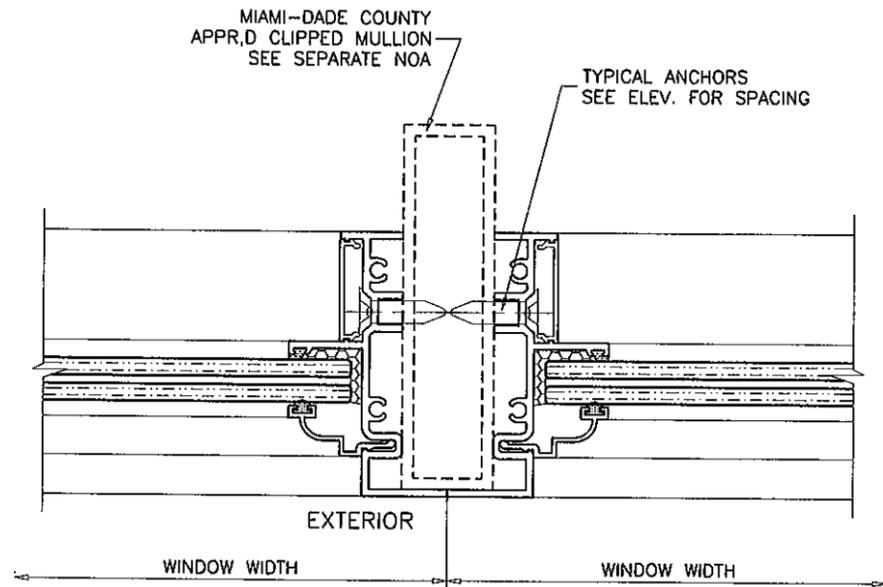
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AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL \ W07-49SIW

S-300 STORMSAFE ALUM FIXED WDW. (L.M.I.)
SIW IMPACT WINDOWS, LLC.
 975 S. CONGRESS AVE. #102
 DELRAY BEACH, FL. 33445
 TEL. (561) 274-9392 FAX. (561) 274-9262

no	date	by	description
A	07.13.07		NO CHANGE THIS SHEET
B	07.24.09		UPDATED FOR 2007 FBC
C	06.14.10		NO CHANGE THIS SHEET
D	10.19.10		REV. PER BCCO COMMENTS
E	01.20.12		NO CHANGE THIS SHEET

date: 05-18-07
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W07-49
 sheet 4 of 6



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

JAN 30 2012

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 12-0221-08
 Registration Date 06-29-2017

By Manuel Diaz
 Miami/Dade Product Control

afc

AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
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 COMP-ANL\W07-49SIW

S-300 STORMSAFE ALUM FIXED WDW. (L.M.I.)

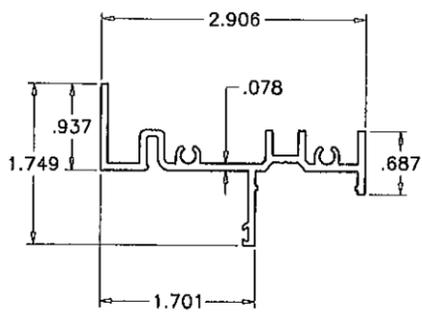
SIW IMPACT WINDOWS, LLC.
 975 S. CONGRESS AVE. #102
 DELRAY BEACH, FL. 33445
 TEL. (561) 274-9392 FAX. (561) 274-9262

revisions:

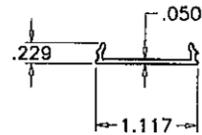
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B	07.24.09		UPDATED FOR 2007 FBC
C	06.14.10		NO CHANGE THIS SHEET
D	10.19.10		REV. PER BCCO COMMENTS
E	01.20.12		NO CHANGE THIS SHEET

date: 05-18-07
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

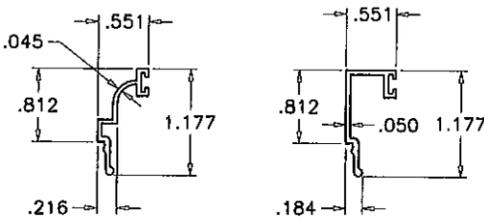
drawing no.
W07-49
 sheet 5 of 6



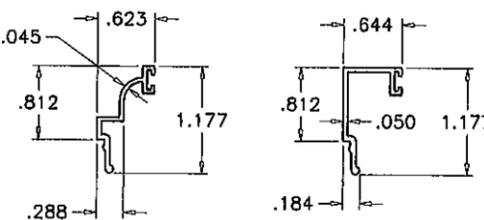
① FRAME



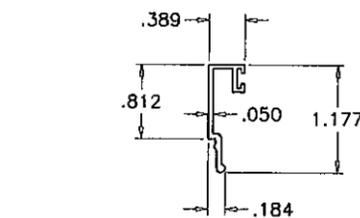
② FRAME COVER (OPTIONAL)



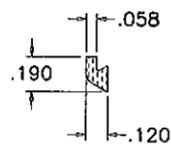
③ GLAZING BEADS (7/16" GLASS)



③A GLAZING BEADS (5/16" GLASS)

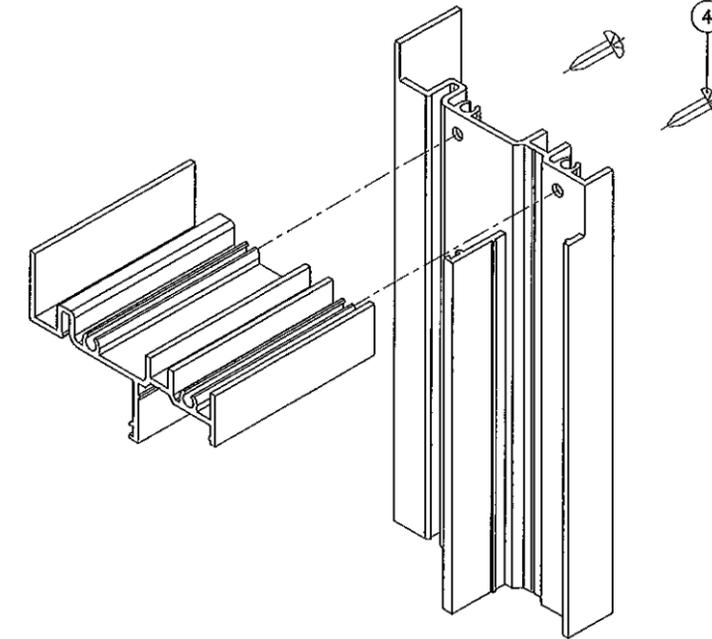


③.2 GLAZING BEAD (INSUL. LAM. GLASS)



⑥ GLAZING LEG SPACER
SCALE 1:1

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SIW301	4	WINDOW FRAME	6063-T6	-
2	SIW303	4	FRAME COVER (OPTIONAL)	6063-T6	-
3	SIW108	4	GLAZING BEAD (7/16" GLASS)	6063-T6	-
3.1	SIW127	4	ALT. GLAZING BEAD (7/16" GLASS)	6063-T6	-
3A	SIW112	4	GLAZING BEAD (5/16" GLASS)	6063-T6	-
3.1A	SIW128	4	ALT. GLAZING BEAD (5/16" GLASS)	6063-T6	-
3.2	SIW116	4	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	-
4	#10 X 1-1/2"	2/ CORNER	ASSEMBLY SCREWS	CRS	PH SMS
5	938W	AS REQD.	EXTERIOR GLAZING GASKET (DUROMETER ±65)	SANTOPRENE	CENTRAL PLASTICS
6	SIW113	AS REQD.	GLAZING LEG SPACER (DUROMETER ±65)	SANTOPRENE	CENTRAL PLASTICS
7	-	2/ LITE	SETTING BLOCK (DUROMETER ±67)	EPDM	-



TYP. CORNER DETAIL

Engr: JAVAD, AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 35381

JAN 30 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0221-08
Expiration Date AUG. 29 2017
by [Signature]
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
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no	date	by	description
A	07.13.07		REV. PER BCCO COMMENTS
B	07.24.09		UPDATED FOR 2007 FBC
C	06.14.10		INSUL. LAM. GLASS ADD.
D	10.19.10		REV. PER BCCO COMMENTS
E	01.20.12		NO CHANGE THIS SHEET

date: 05-18-07
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W07-49
sheet 6 of 6