



MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1107  
MIAMI, FLORIDA 33130-1563  
Tel.: (305) 375-2902 FAX (305) 372-6339

BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

## NOTICE OF ACCEPTANCE (NOA)

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

**SIW Impact Windows LLC**  
975 S. Congress Ave. No. 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 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 "S-400" Outswing Aluminum Casement Window - L.M.I.

**APPROVAL DOCUMENT:** Drawing No. **W09-54**, titled "Series S-400 Alum. Outswing Casement Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 10/13/09, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, P. E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and Approval date by the Miami-Dade County Product Control Division.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



*J. Gascon*  
1/6/10

NOA No. 09-1021.09  
Expiration Date: January 27, 2015  
Approval Date: January 27, 2009  
Page 1

**SIW Impact Windows, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **W09-54**, titled "Series S-400 Alum. Outswing Casement Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 10/13/09, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, 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  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of casement window, prepared by Hurricane Engineering and Testing, Inc., Test Report No.'s **HETI-09-2599, HETI-09-2599B, HETI-09-2601, HETI-09-2602, HETI-09-2608, HETI-09-2609** and **HETI-09-2610**, dated August 15 to 26, 2009, signed and sealed by Candido F. Font, P. E.

**C. CALCULATIONS**

1. Anchor calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated October 12, 2009, signed and sealed by Arshad Viqar, P. E.  
**Complies with ASTM E1300-04**

**D. QUALITY ASSURANCE**

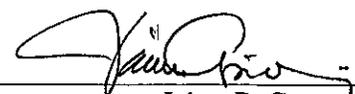
1. Miami-Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **09-0312.03** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/13/09, expiring on 01/14/12.
2. Notice of Acceptance No. **09-0312.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite® PVB, Interlayer**" dated 05/13/09, expiring on 12/11/10.

**F. STATEMENTS**

1. Statement letter of conformance and no financial interest, dated October 12, 2009, signed and sealed by Arshad Viqar, P. E.



Jaime D. Gascon, P. E.

Chief, Product Control Division

NOA No. 09-1021.09

Expiration Date: January 27, 2015

Approval Date: January 27, 2009

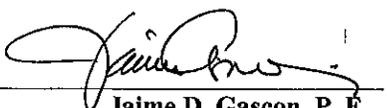
**SIW Impact Windows, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

2. Laboratory compliance letters for Test Report's No.'s **HETI-09-2599, HETI-09-2599B, HETI-09-2601, HETI-09-2602, HETI-09-2608, HETI-09-2609** and **HETI-09-2610**, issued by Hurricane Test Laboratory, Inc., dated August 15 to 26, 2009, signed and sealed by Candido F. Font, P. E.
3. Proposal No. **09-0203** issued by BCCO, dated March 19<sup>th</sup>, 2009, signed by Renzo Narciso.

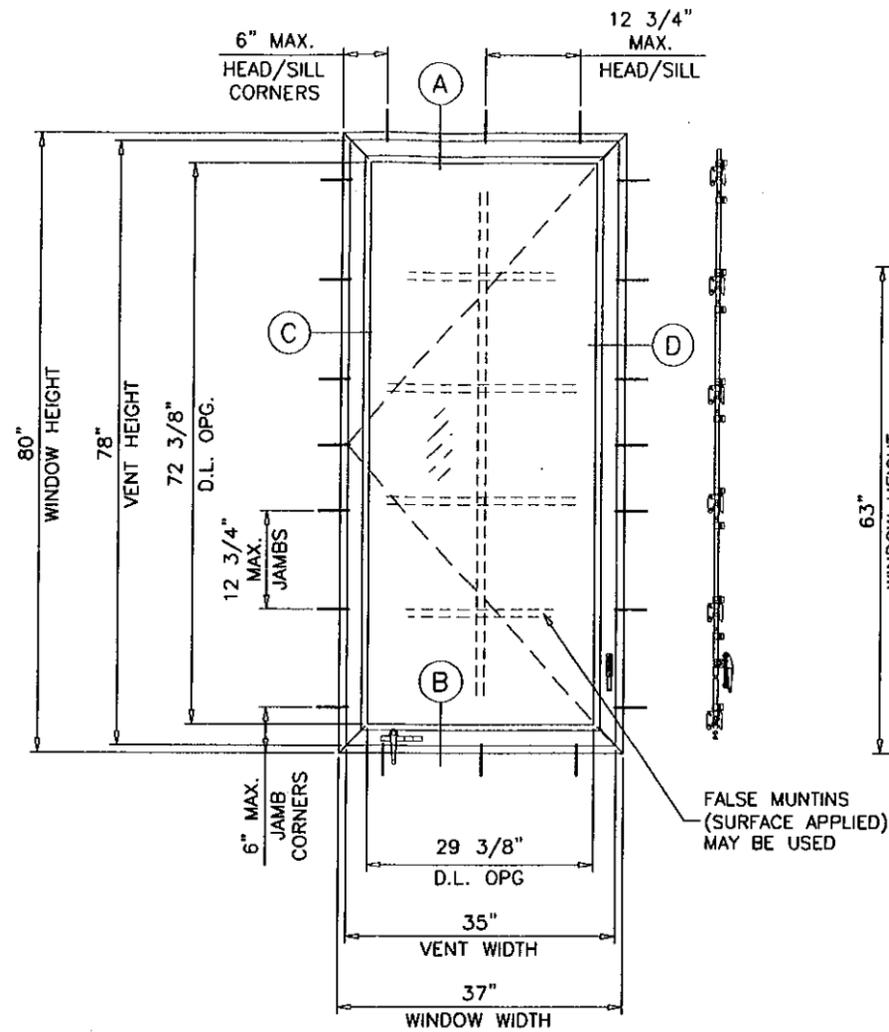
**G. OTHERS**

1. None.

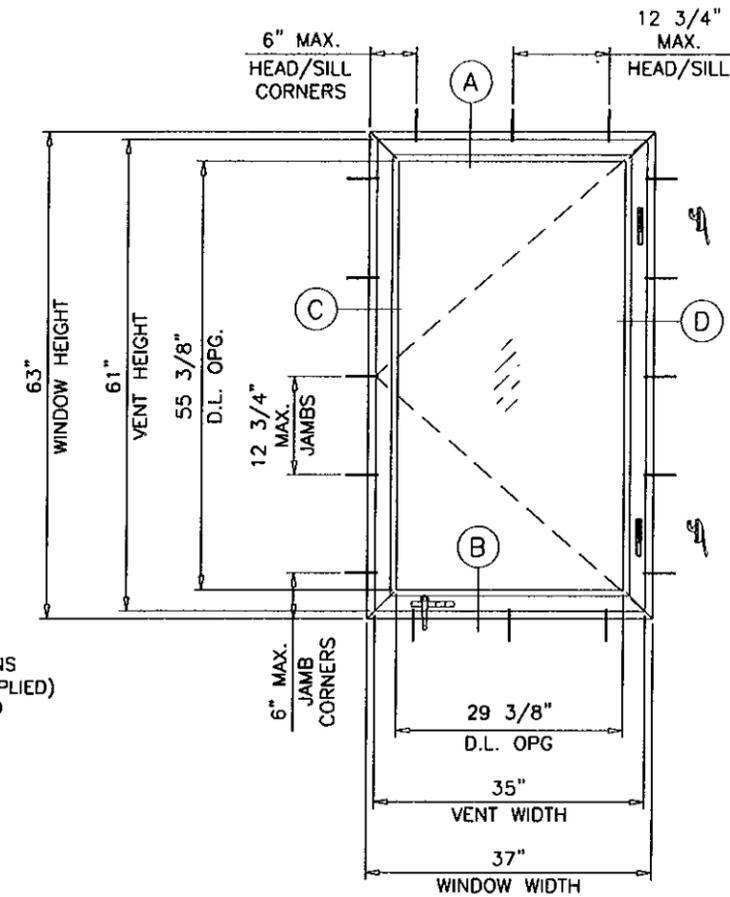


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**Jaime D. Gascon, P. E.**  
**Chief, Product Control Division**  
**NOA No. 09-1021.09**  
**Expiration Date: January 27, 2015**  
**Approval Date: January 27, 2009**



TYPICAL ELEVATION  
MULTI POINT LOCK



TYPICAL ELEVATION  
TWO POINT LOCKS

FALSE MUNTINS  
(SURFACE APPLIED)  
MAY BE USED

**SERIES S-400**  
**ALUMINUM OUTSWING CASEMENT WINDOW**

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

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF CASEMENT/CASEMENT OR CASEMENT 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 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 2007 FLORIDA BLDG. CODE SECTION 2003.8.4.

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

Engr. ARSHAD VIQAR  
CIVIL  
FLA. PE # 38863  
C.A.N. 3538

*Arigau*

OCT 19 2009

Approved as complying with the  
Florida Building Code  
Date: 01/27/2010  
NOA# 09-1021-09  
Miami Dade Product Control  
Division  
By: *[Signature]*

revisions:	no	date	by	description

date: 10-13-09  
scale: 1/2" = 1'-0"  
dr. by: HAMID  
chk. by:

drawing no.  
**W09-54**

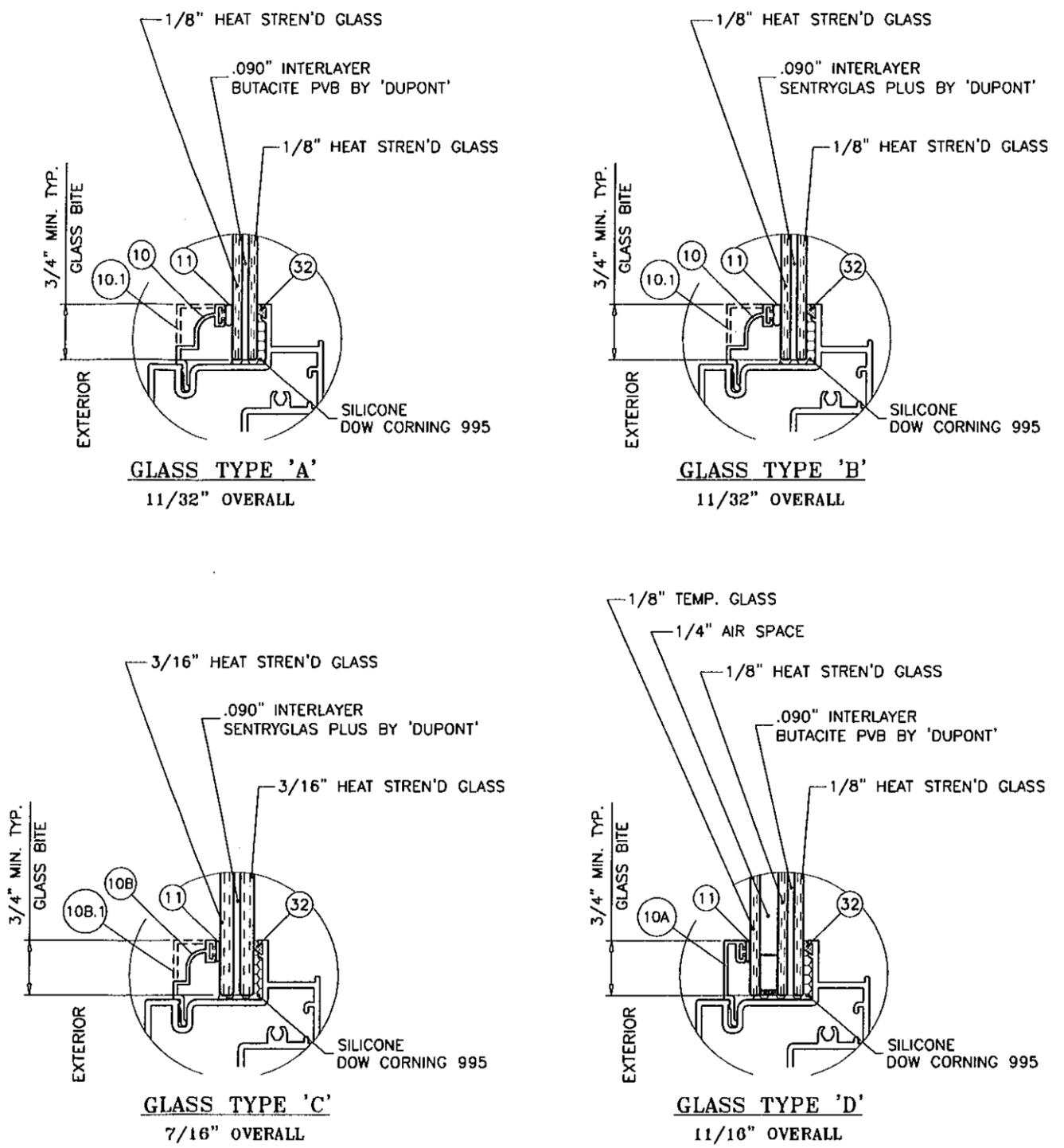
sheet 1 of 6

**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\W09-54SIW

S-400 ALUM OUTSWING CASEMENT 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

DESIGN LOAD CAPACITY - PSF									
WINDOW DIMS.		2 POINT LOCKS		MULTI POINT LOCK					
		GLASS TYPES 'A', 'B', 'C' & 'D'		GLASS TYPE 'A'		GLASS TYPES 'B' & 'C'		GLASS TYPE 'D'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
26-1/2"	38-3/8"	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
32"		70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
37"		70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
42"		70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
26-1/2"	50-5/8"	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
32"		70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
37"		70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
42"		70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
26-1/2"	63"	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
32"		70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
37"		70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
42"		-	-	-	-	80.0	80.0	-	-
26-1/2"	74-1/4"	54.4	54.4	54.4	54.4	80.0	80.0	62.2	62.2
32"		-	-	-	-	80.0	80.0	-	-
37"		-	-	-	-	80.0	80.0	-	-
26-1/2"	80"	43.2	43.2	43.2	43.2	80.0	80.0	49.3	49.3
32"		-	-	-	-	80.0	80.0	-	-
37"		-	-	-	-	80.0	80.0	-	-
26-1/2"	84"	37.1	37.1	37.1	37.1	80.0	80.0	42.4	42.4
32"		-	-	-	-	77.6	77.6	-	-

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-02/04 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219



**GLAZING OPTIONS**

Engr: ARSHAD VIQAR  
CIVIL  
FLA. PE # 38863  
C.A.N. 3538

*Arshad Viqar*

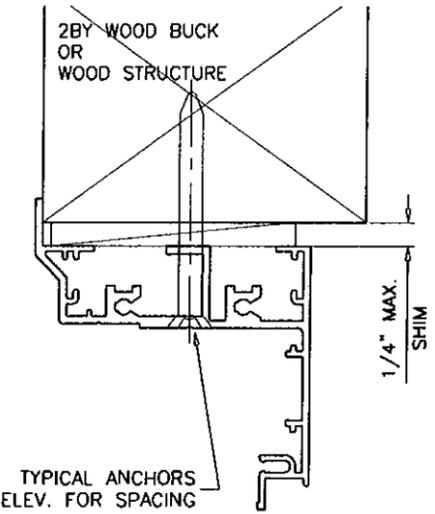
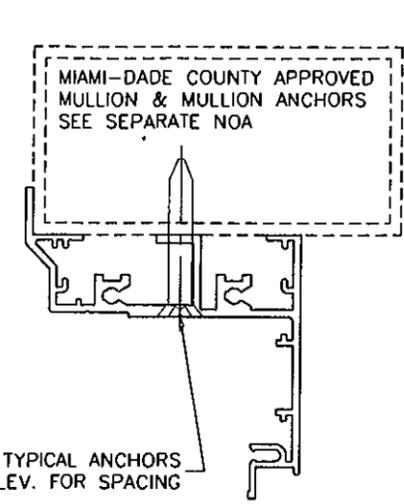
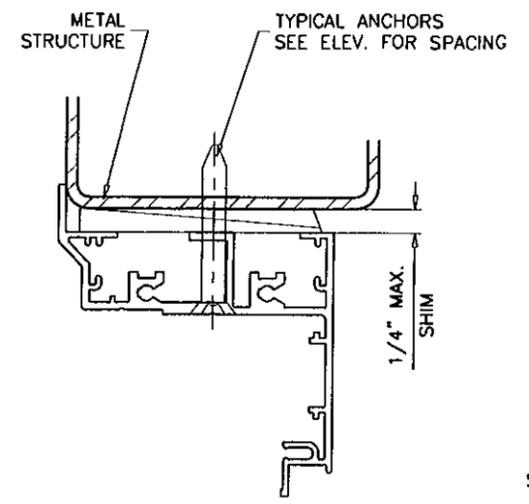
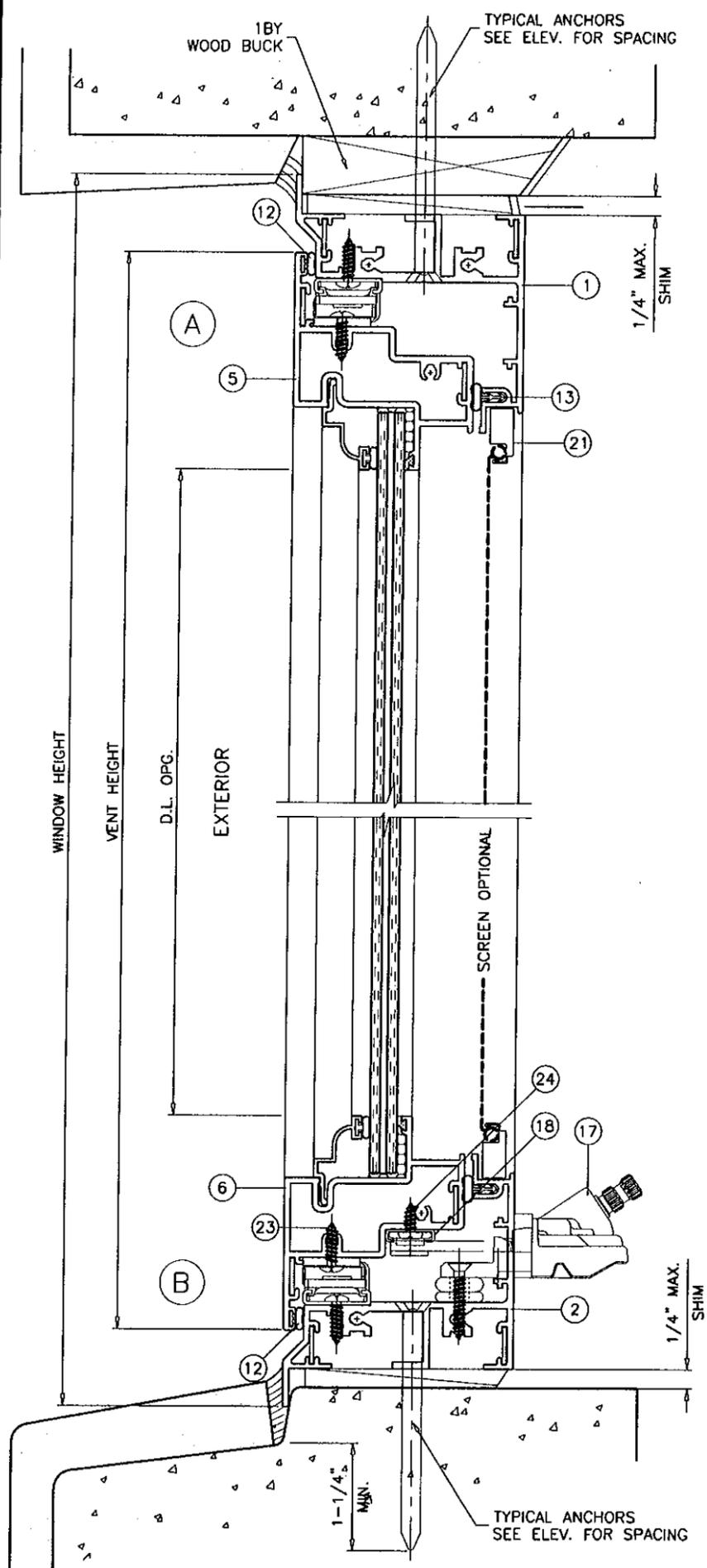
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NOA# 09-1021.09  
Miami Dade Product Control  
Division  
By *[Signature]*

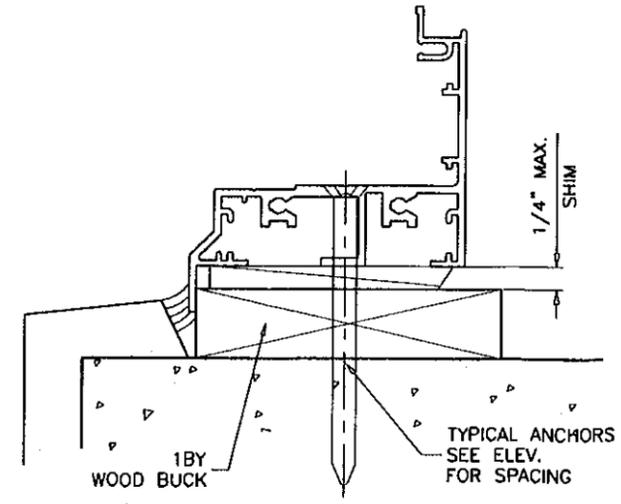
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**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W09-54SIW

S-400 ALUM OUTSWING CASEMENT WDW. (L.M.I.)  
**SW IMPACT WINDOWS, LLC.**  
975 S. CONGRESS AVE. #102  
DELRAY BEACH, FL. 33445  
TEL. (561) 274-9392 FAX. (561) 274-9262

revisions:	no	date	description
date:	10-13-09	scale:	-
dr. by:	HAMID	chk. by:	
drawing no.	W09-54		
sheet	2 of 6		



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 MIAMI-DADE COUNTY APPROVED MULLIONS (1/8" THK. 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)

**TYPICAL EDGE DISTANCE**  
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.  
 INTO WOOD STRUCTURE = 1" MIN.  
 INTO METAL STRUCTURE = 3/4" 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 FRAME AND VENT CORNERS SEALED WITH SCHNEE MOREHEAD SM-5504 SEALANT.

Engr: ARSHAD VIQAR  
 CIVIL  
 FLA. PE # 38863  
 C.A.N. 3538  
*Arju*  
 OCT 19 2009

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 NOA# 09-1021.09  
 Miami Dade Product Control  
 Division  
 By: *[Signature]*

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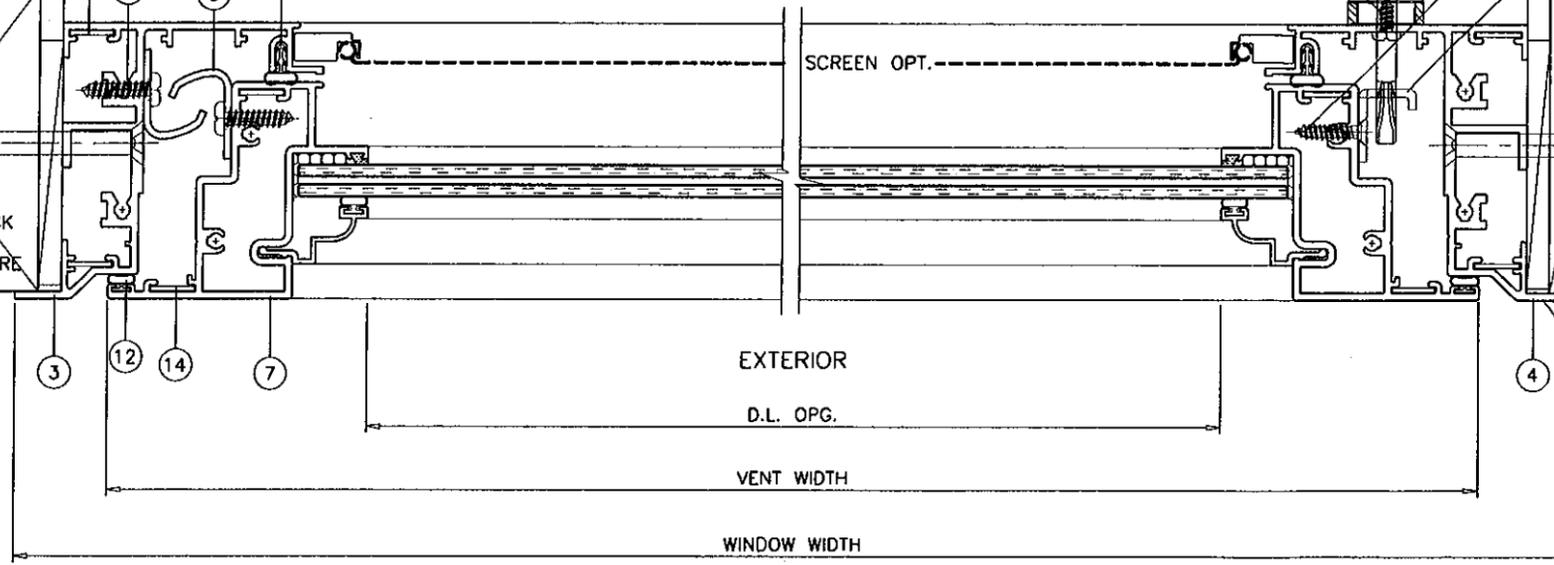
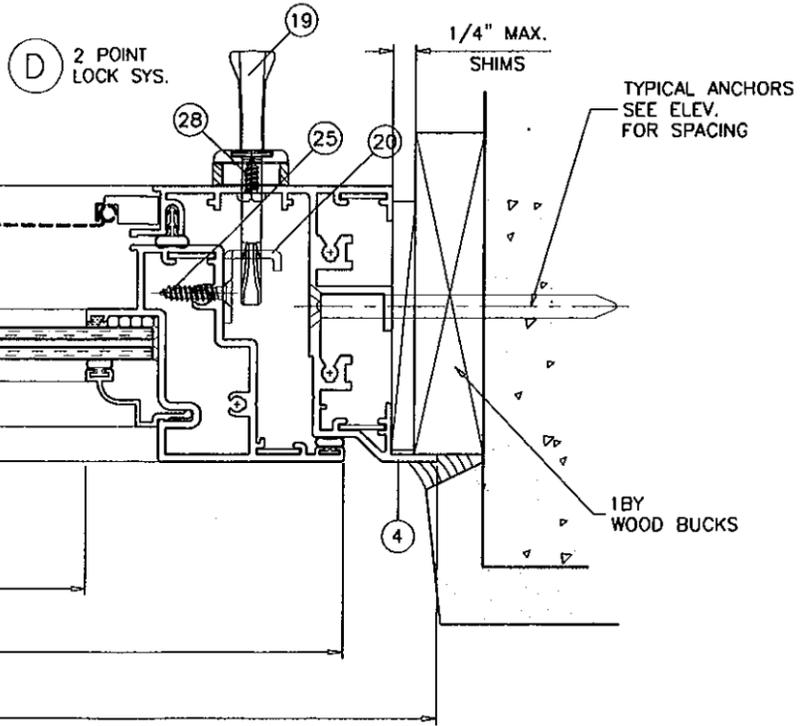
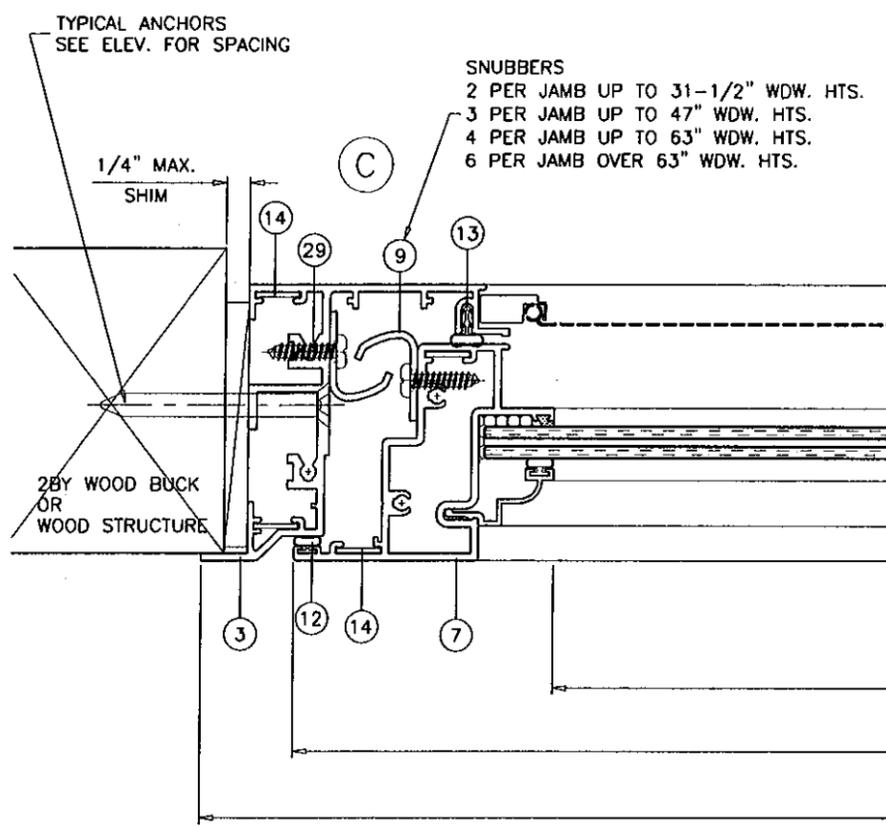
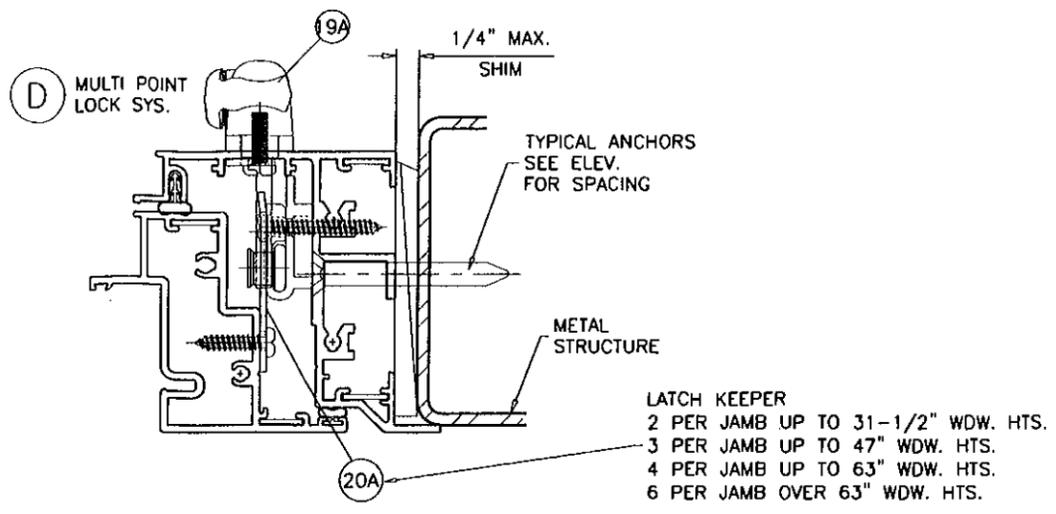
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revisions:	
no	date by description

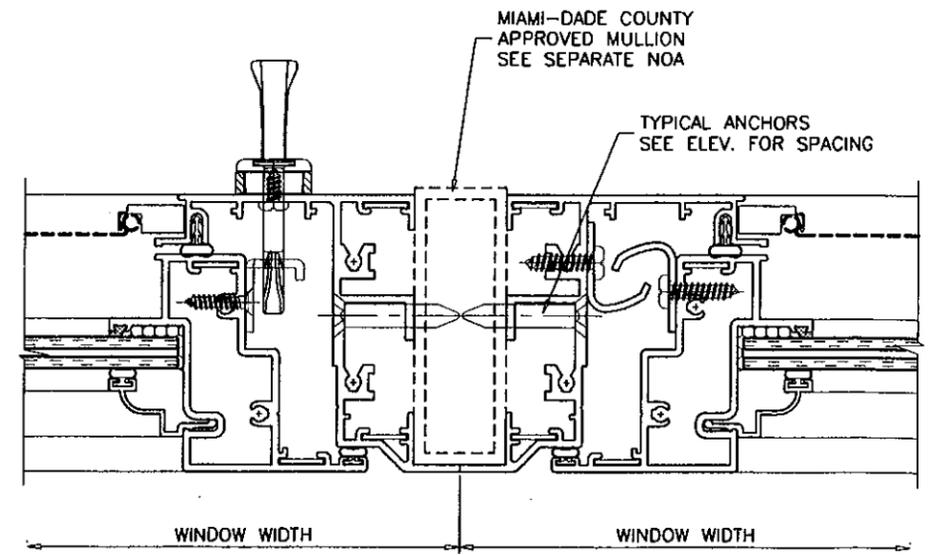
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 dr. by: HAMID  
 chk. by: *[Signature]*

drawing no.  
**W09-54**

sheet 3 of 6



**SINGLE VENT WINDOWS**



Engr: ARSHAD VIQAR  
 CIVIL  
 FLA. PE # 38863  
 C.A.N. 3538  
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 Date 01/27/2010  
 NOA# 09-71621.09  
 Miami Dade Product Control  
 Division  
 By *[Signature]*  
 OCT 19 2009

revisions:	
no.	description

date: 10-13-09	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
drawing no. W09-54		sheet 4 of 6	

ITEM NO.	PART NO.	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SIW401	1	FRAME HEAD	6063-T6	-
2	SIW401	1	FRAME SILL	6063-T6	-
3	SIW401	1	FRAME JAMB-HINGE SIDE	6063-T6	-
4	SIW401	1	FRAME JAMB-LATCH SIDE	6063-T6	-
5	SIW402	1	VENT TOP RAIL	6063-T6	-
6	SIW402	1	VENT BOTTOM RAIL	6063-T6	-
7	SIW402	1	VENT SIDE RAIL-HINGE SIDE	6063-T6	-
8	SIW402	1	VENT SIDE RAIL-LATCH SIDE	6063-T6	-
9	23138	AS REQD.	SNUBBER	ST. STEEL	TRUTH HARDWARE
10	SIW112	AS REQD.	GLAZING BEAD (5/16" GLASS)	6063-T6	-
10.1	SIW128	AS REQD.	ALT. GLAZING BEAD (5/16" GLASS)	6063-T6	-
10A	SIW117	AS REQD.	GLAZING BULB (11/16" INSUL. GLASS)	6063-T6	-
10B	SIW108	AS REQD.	GLAZING BEAD (7/16" GLASS)	6063-T6	-
10B.1	-	AS REQD.	ALT. GLAZING BEAD (7/16" GLASS)	6063-T6	-
11	5531	AS REQD.	EXT. GLAZING SPACER	SANTOPRENE	CENTRAL PLASTICS
12	9302	AS REQD.	OUTER COMPRESSION SEAL	-	CENTRAL PLASTICS
13	APT425	AS REQD.	INNER COMPRESSION SEAL	-	SCHLEGEL SYSTEMS
14	PJS40-SS	2/ CORNER	CORNER LOCK (1-3/4" X 1-3/4" X .054" THK.)	ST. STEEL	SULLIVAN & ASSOCIATES
15	-	-	-	-	-
16	35.13	2/ WDW	4 BAR HINGES-HEAVY DUTY	ST. STEEL	TRUTH HARDWARE
17	52.13	1/ WDW	SINGLE ARM OPERATOR	-	TRUTH HARDWARE
17.1	32658	1	OPERATOR GASKET .062	-	TRUTH HARDWARE
17.2	32833	1	OPERATOR SPACER .236	-	TRUTH HARDWARE
17.3	21546	1	OPERATOR SPACER .138	-	TRUTH HARDWARE
17.4	21547	1	OPERATOR SPACER .189	-	TRUTH HARDWARE
18	30175	1/ OPER.	TRACK	ST. STEEL	TRUTH HARDWARE
19	24.25	2/ VENT	LOCK ASSEMBLY (SINGLE POINT LOCK SYS.)	-	TRUTH HARDWARE
19.1	21496	2/ VENT	SPACER (SINGLE POINT LOCK SYS.)	-	TRUTH HARDWARE
20	31384	1/ LOCK	KEEPER (SINGLE POINT LOCK)	ST. STEEL	TRUTH HARDWARE
19A	24.33	2/ VENT	LOCK ASSEMBLY (MULTI POINT LOCK SYS.)	-	TRUTH HARDWARE
19A.1	21709	2/ VENT	SPACER (MULTI POINT LOCK SYS.)	-	TRUTH HARDWARE
19A.2	21600	1/ LOCK	SUPPORT PLATE (MULTI POINT LOCK SYS.)	-	TRUTH HARDWARE
20A	31301	AS REQD.	KEEPER (MULTI POINT LOCK)	-	TRUTH HARDWARE
20A.1	24 SERIES	1	INTERLOCK ROLLER TIE BAR (MULTI POINT LOCK)	-	TRUTH HARDWARE
20A.2	32824	AS REQD.	TIE BAR GUIDE (MULTI POINT LOCK)	-	TRUTH HARDWARE
20A.3	-	2/ GUIDE	TIE BAR GUIDE MOUNTING SCREWS (MULTI POINT LOCK)	-	#10 X 1-1/4" FH SMS
21	-	1	5/16" BOX SCREEN	-	OPTIONAL
22	-	2/ CORNER	FRAME & VENT ASSY. SCREWS	CRS	#10 x 1-1/4" FH SMS
23	-	6/HINGE	HINGE MOUNTING SCREWS	-	#10 x 3/4" FH SMS
24	-	2/OPERATOR	OPERATOR TRACK MTG. SCREWS	-	#10 x 3/4" FH SMS
25	-	2/KEEPER	KEEPER MOUNTING SCREWS	-	#10 x 3/4" FH SMS
26	-	-	-	-	-
27	-	6/OPERATOR	OPERATOR MOUNTING SCREWS	-	#10 X 1-1/4" FH SMS
28	-	2/LOCK	LOCK ASSEMBLY MOUNTING SCREWS	-	#10-24 X 1/2" FH MS TYPE F
29	-	2/SNUBBER	SNUBBER MTG. SCREW	-	#10 x 3/4" FH SMS
32	5530	AS REQD.	INTERIOR GLAZING SPACER	SANTOPRENE	CENTRAL PLASTICS

**afc**

**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
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S-400 ALUM OUTSWING CASEMENT WDW. (L.M.I.)

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OCT 19 2009

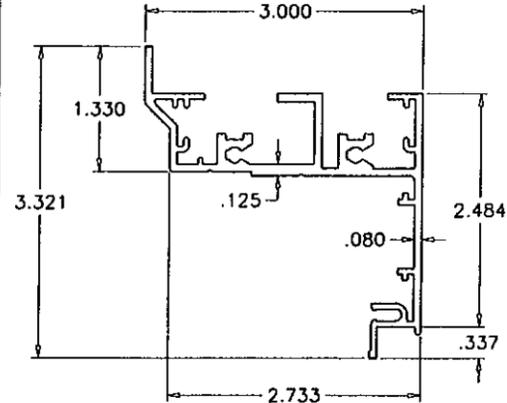
Approved as complying with the  
 Florida Building Code  
 Date 01/27/2010  
 NOA# 09-1021.09  
 Miami Dade Product Control  
 Division *[Signature]*

date: 10-13-09  
 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by: *[Signature]*

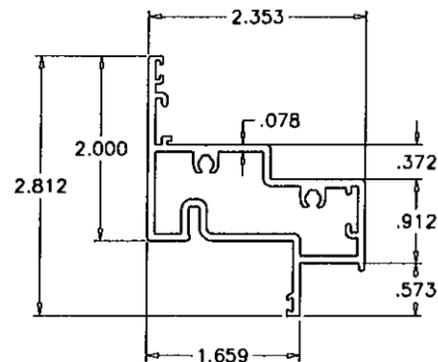
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**W09-54**

sheet 5 of 6

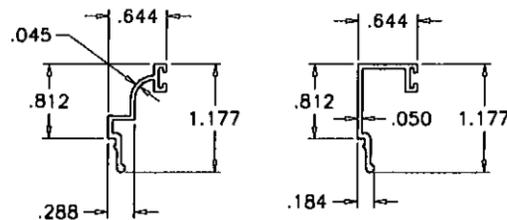
COMP-ANL\W09-54SIW



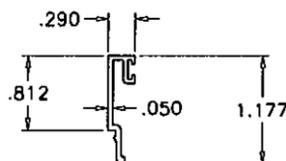
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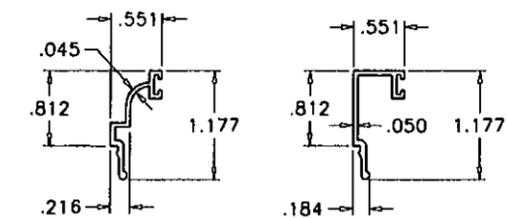
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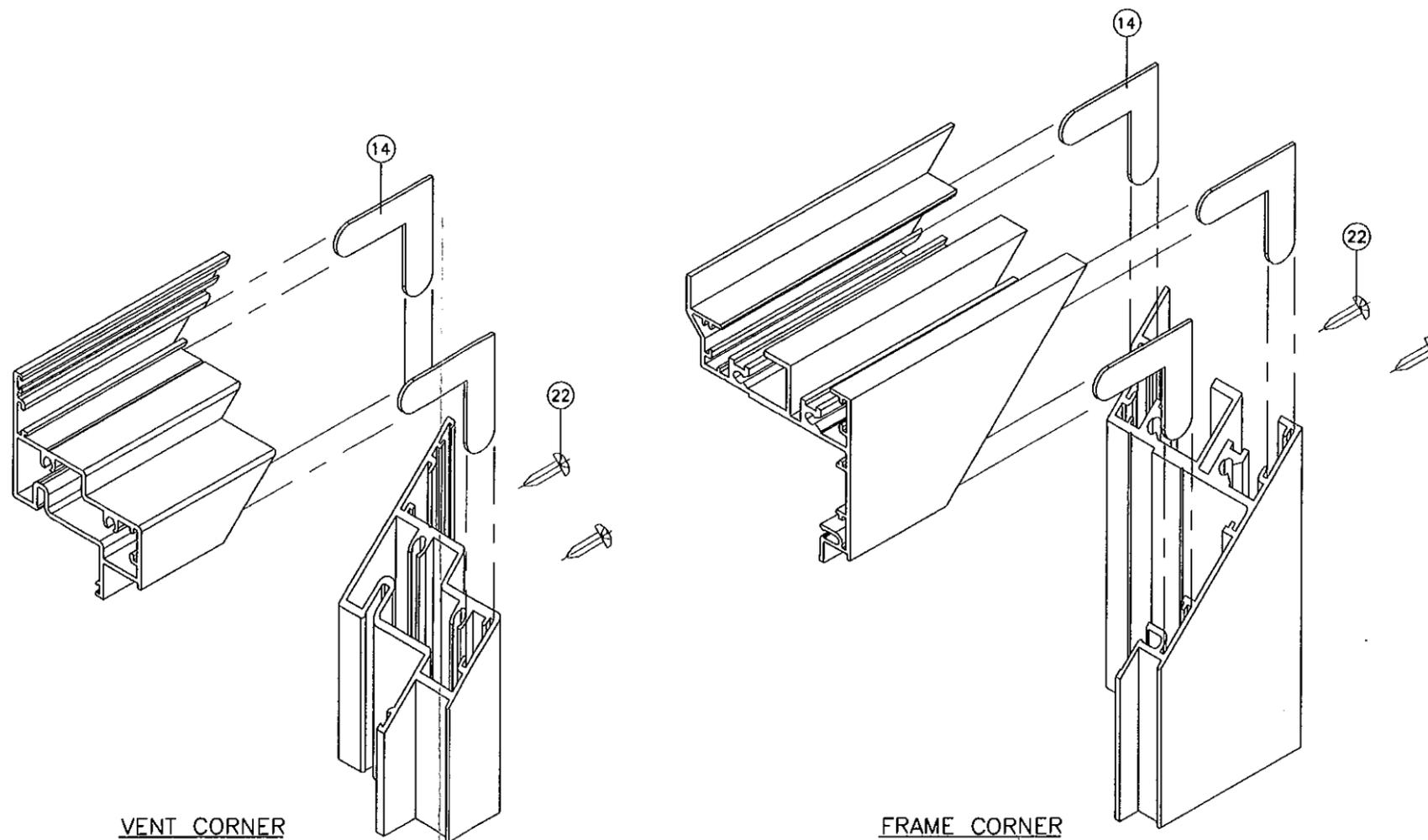
10 10.1 GLAZING BEADS (5/16" GLASS)



10A GLAZING BEAD (11/16" INSUL. GLASS)



10B 10B.1 GLAZING BEADS (7/16" GLASS)



YOMIENARY LAG DIATION  
 THE OFFICE OF THE ARCHITECT

SEP 01 5 0 11 3 32

SECRET

Engr: ARSHAD VIQAR  
 CIVIL  
 FLA. PE # 38863  
 C.A.N. 3538

*Arshad Viqar*  
 OCT 19 2009

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S-400 ALUM OUTSWING CASEMENT 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:  
 no. date by description

date: 10-13-09

scale: 1/2" = 1"

dr. by: HAMID

chk. by:

drawing no.  
**W09-54**

sheet 6 of 6

**afc**

**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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