



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

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 RER-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. RER 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 "200 StormSafe" Aluminum Horizontal Sliding Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. **W07-28**, titled "S-200 StormSafe Alum. Horiz. Rolling Wdw. (L.M.I.)", sheets 1, 1.2 2, and 3 through 8 of 8, dated 04/24/07, with revision **E** dated 06/01/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Section 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, 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. **12-0221.07** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



MP
7/6/11/15

NOA No. 15-0102.01
Expiration Date: August 01, 2017
Approval Date: June 18, 2015
Page 1

SIW Impact Windows, LLC.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

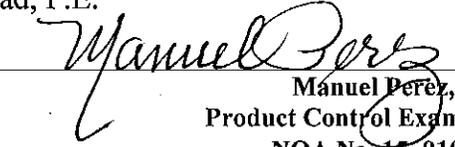
1. Manufacturer's die drawings and sections.
2. Drawing No. **W07-28**, titled "S-200 StormSafe Alum. Horiz. Rolling Wdw. (L.M.I.)", sheets 1, 1.1, 2 and 3 through 8 of 8, dated 04/24/07, with revision **E** dated 06/01/15, prepared by Al-Farooq Corporation, signed, sealed by Javad Ahmad, P.E.

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) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 200 aluminum horizontal rolling window, prepared by Blackwater Testing, Inc., Test Reports No. **BT-SIW-14-017E**, dated 09/25/14 and **BT-SIW-14-017F**, dated 09/22/14, both signed and sealed by Yamil Gerardo Kuri, P.E.
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) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of a series 200 aluminum horizontal rolling window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-06-4085**, **HETI-06-4086**, **HETI-06-4087**, **HETI-06-4094** and **HETI-06-4179**, dated 02/26/07 and 07/25/07, all signed and sealed by Rafael E. Droz-Seda, P.E. *(Submitted under NOA's No. 07-0511.10 and 07-0813.05)*
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 200 aluminum horizontal rolling window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-06-4089**, **HETI-06-4090**, **HETI-06-4092**, **HETI-06-4095**, **HETI-07-4126** and **HETI-07-4282**, dated 02/26/07 and 07/25/07, all signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA's No. 07-0511.10 and 07-0813.05)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC 5th Edition (2014), dated 12/29/14, with revision dated 06/01/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E1300-09


Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0102.01
Expiration Date: August 01, 2017
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SIW Impact Windows, LLC.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

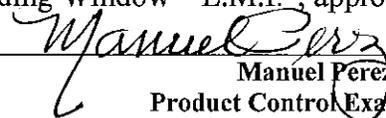
1. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.
2. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
3. Notice of Acceptance No. **14-0423.15** issued to **Eastman Chemical Company (MA)** for their "**Saflex CP - Saflex and Saflex HP Composite Glass Interlayers with PET Core**" dated 06/19/14, expiring on 12/11/18.
4. TREMCO Part No. **Vulkem 116 LV White Polyurethane Sealant** complying with ASTM C1183- 0.135-0.169fl.oz./min., ASTM C661- ±40 A, ASTM C1246- PASS-6 HRS., ASTM C679- 30 HRS., ASTM C510- NO STAIN, ASTM C794 ALUMINUM 18-22 PLI, CONCRETE 20-25 PLI AND BRICK 19-23 PLI, ASTM C793- PASS, ASTM C719- ±25% AND ASTM D412- 150-200 PSI.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 5th Edition (2014)**, and of no financial interest, dated 12/29/14, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Laboratory compliance letter for Test Reports No. **BT-SIW-14-017E**, dated 09/25/14 and **BT-SIW-14-017F**, dated 09/22/14, issued by Blackwater Testing, Inc., both signed and sealed by Yamil Gerardo Kuri, P.E.
3. Proposal issued by the Product Control Section, dated 09/19/14, signed by Jaime D. Gascon, P.E.
4. Statement letter of conformance, complying with **FBC-2010**, issued by Al-Farooq Corporation, dated 12/30/11, signed and sealed by Javad Ahmad, P. E.
(Submitted under previous NOA No. 12-0221.07)
5. Laboratory compliance letter for Test Reports No. **HETI-06-4085, HETI-06-4086, HETI-06-4087, HETI-06-4089, HETI-06-4090, HETI-06-4092, HETI-06-4094, HETI-06-4095, HETI-06-4179, HETI-07-4126** and **HETI-07-4282**, issued by Hurricane Engineering & Testing, Inc., dated 02/26/07 and 07/25/07, all signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA's No. 07-0511.10 and 07-0813.05)

G. OTHERS

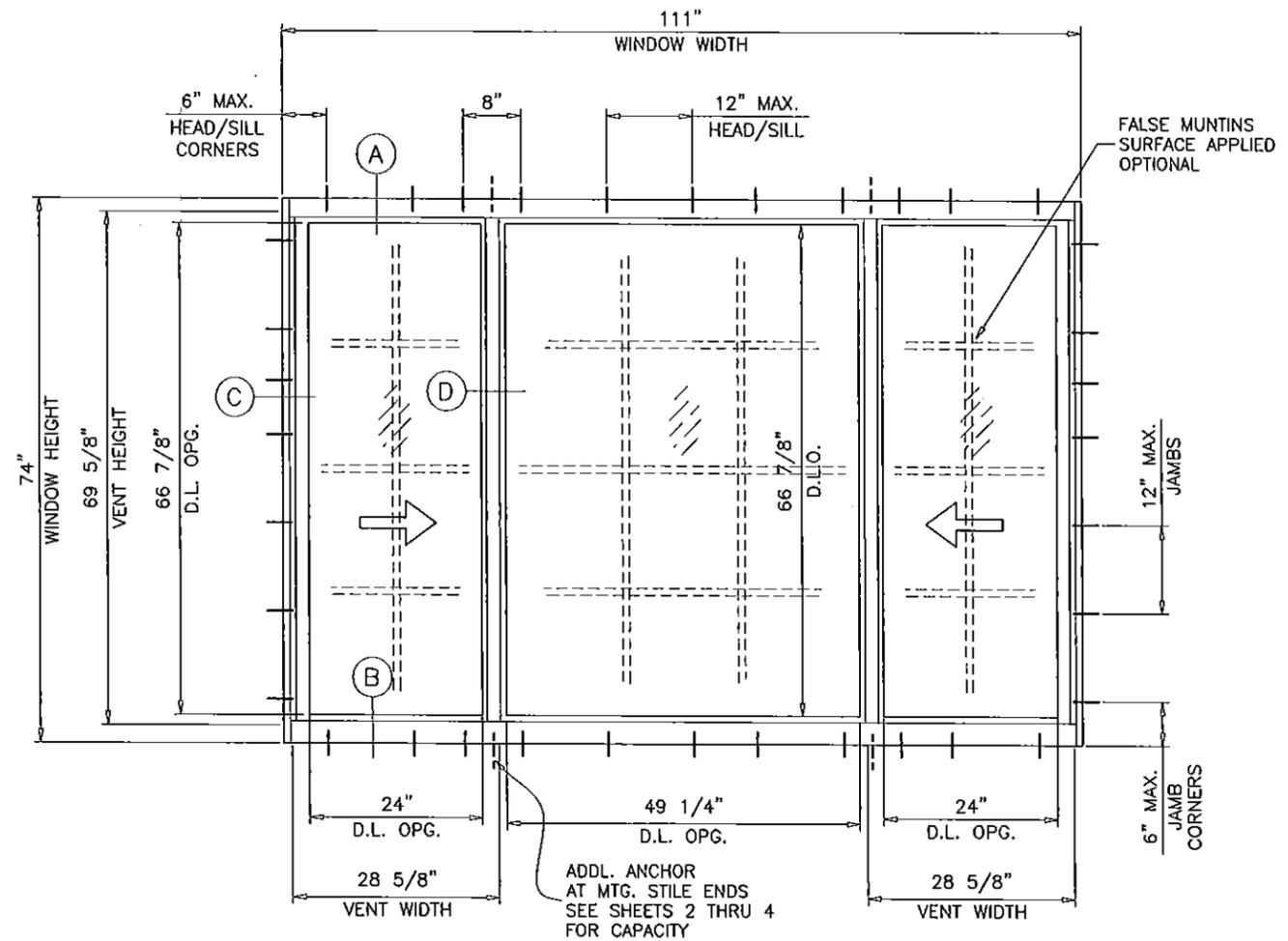
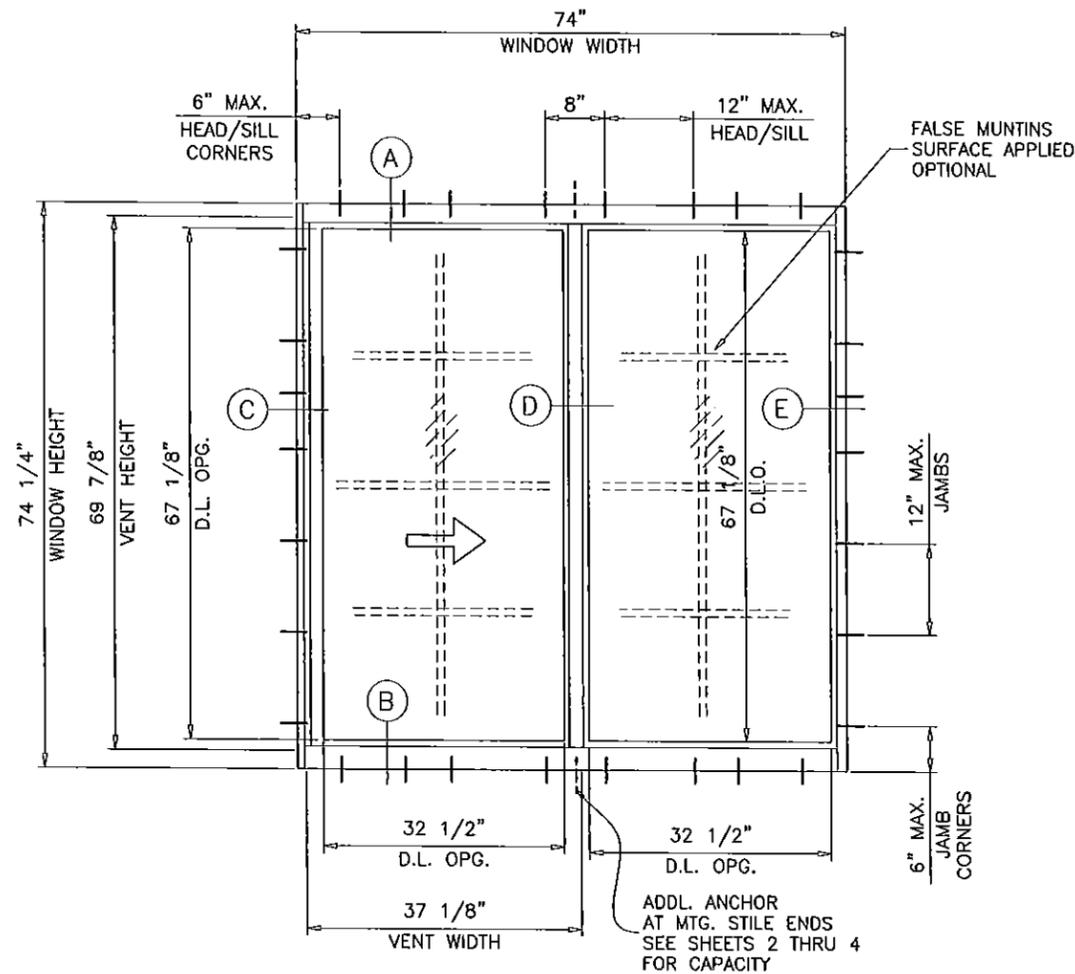
1. Notice of Acceptance No. **12-0221.07**, issued to SIW Impact Windows; LLC for their Series "**200 StormSafe**" Aluminum Horizontal Sliding Window – L.M.I.", approved on 04/26/12 and expiring on 08/01/17.


Manuel Perez, P.E.
Product Control Examiner

NOA No. 15-0102.01

Expiration Date: August 01, 2017

Approval Date: June 18, 2015



TYPICAL ELEVATIONS

**SERIES 200 STORMSAFE
ALUMINUM HORIZONTAL SLIDING WINDOW**

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.S./H.S. OR HORIZONTAL SLIDING WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE 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 THRU 4.

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.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **15-0102.01**
Expiration Date **08/01/2017**
By *Manuel Perez*
Miami/Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
Javad Ahmad
JUN 01 2015

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

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\W07-28SIW

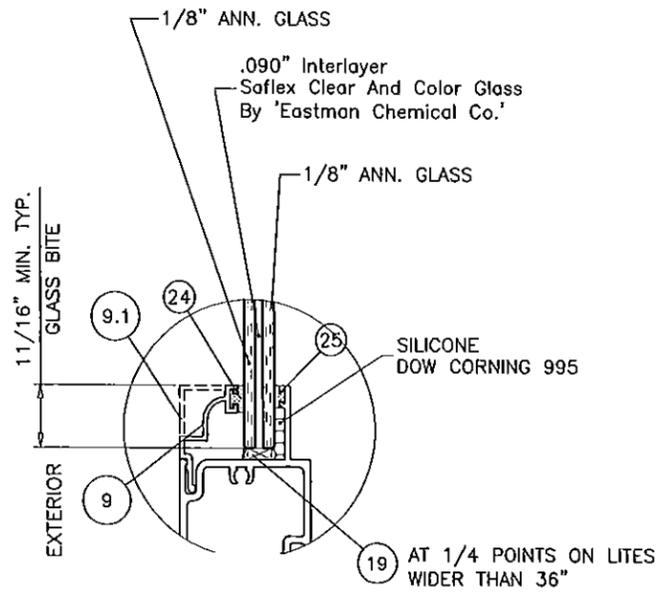
S-200 STORMSAFE ALUM. HORIZ. ROLLING WDW. (L.M.I.)
SIW IMPACT WINDOWS, LLC.
975 S. CONGRESS AVE. #102
DELRAY BEACH, FL. 33445
TEL. (561) 274-9392 FAX. (561) 274-9262

no	date	description	by
A	06.27.07	REV. PER BCCO COMMENTS	
B	07.28.09	GENERAL REVISION	
C	01.17.12	UPDATED TO 2010 FBC	
D	12.26.14	GENERAL REVISION	
E	06.01.15	NO CHANGE THIS SHEET	

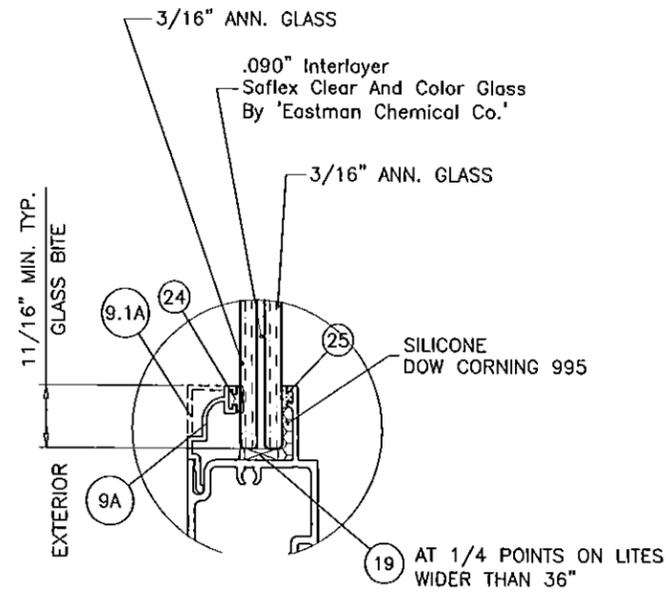
date: 04-24-07
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W07-28

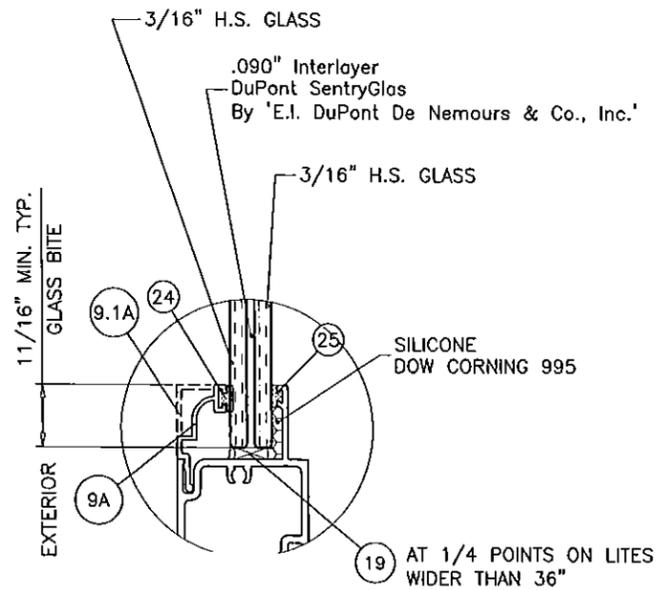
sheet 1 of 8



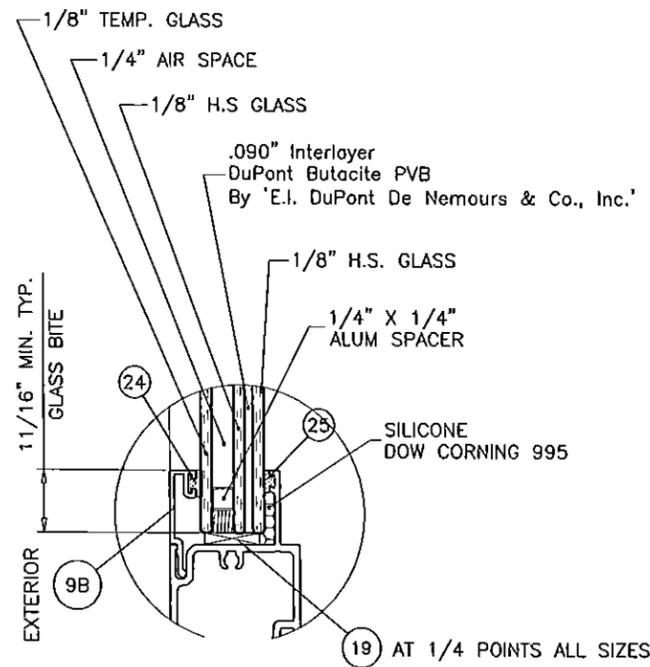
GLASS TYPE 'A'
11/32" OVERALL



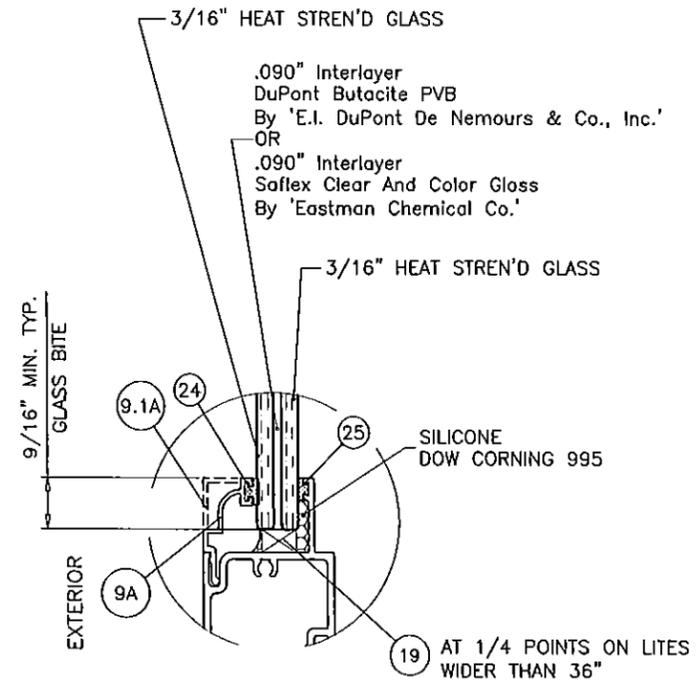
GLASS TYPE 'B'
15/32" OVERALL



GLASS TYPE 'C'
15/32" OVERALL



GLASS TYPE 'D'
11/16" OVERALL



GLASS TYPE 'E'
7/16" OVERALL

GLAZING OPTIONS

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af c
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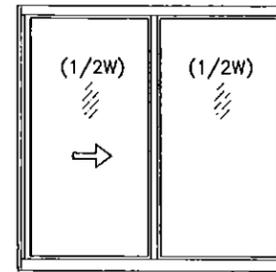
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no	date	by	description
D	12.26.14		GENERAL REVISION
E	06.01.15		NO CHANGE THIS SHEET

date: 04-24-07
scale: -
dr. by: HAMID
chk. by:
drawing no.
W07-28
sheet 1.1 of 8

DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)												
WINDOW DIMS.		W/O STEEL REINFORCING						WITH STEEL REINFORCING				
		GLASS TYPE 'A'		GLASS TYPES 'B' & 'D'		GLASS TYPE 'E'		GLASS TYPE 'C' *		GLASS TYPE 'C' *		
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
24"	24"	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
36"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
48"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
60"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
24"	36"	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
36"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
48"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
60"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
24"	48"	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
36"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
48"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
60"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
84"		-	-	-	-	-	70.0	70.0	-	-	-	-
90"		-	-	-	-	-	70.0	70.0	-	-	-	-
96"		-	-	-	-	-	70.0	70.0	-	-	-	-
24"		60"	-	-	70.0	70.0	70.0	70.0	80.0	100.0	-	-
36"	-		-	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
48"	-		-	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
60"	-		-	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
72"	-		-	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
84"	-	-	-	-	-	70.0	70.0	-	-	-	-	
24"	72"	-	-	-	-	-	-	80.0	100.0	-	-	
36"		-	-	-	-	-	-	80.0	100.0	-	-	
48"		-	-	-	-	-	-	80.0	100.0	-	-	
60"		-	-	-	-	-	-	80.0	88.0	-	-	
72"		-	-	-	-	-	-	-	77.9	77.9	80.0	100.0
26-1/2"	26"	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
37"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
53-1/8"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
74"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
26-1/2"	38-3/8"	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
37"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
53-1/8"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
74"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
26-1/2"	50-5/8"	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
37"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
53-1/8"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
74"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
84"		-	-	-	-	-	70.0	70.0	-	-	-	-
90"		-	-	-	-	-	70.0	70.0	-	-	-	-
96"	-	-	-	-	-	70.0	70.0	-	-	-	-	
26-1/2"	63"	-	-	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
37"		-	-	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
53-1/8"		-	-	70.0	70.0	70.0	70.0	80.0	100.0	-	-	
74"		-	-	70.0	70.0	70.0	70.0	80.0	94.2	-	-	
84"	-	-	-	-	-	70.0	70.0	-	-	-	-	
26-1/2"	74"	-	-	-	-	-	-	80.0	100.0	-	-	
37"		-	-	-	-	-	-	80.0	100.0	-	-	
53-1/8"		-	-	-	-	-	-	-	80.0	92.7	-	-
74"		-	-	-	-	-	-	-	73.5	73.5	80.0	100.0

WITH ADDL. ANCHOR AT MTG. STILE ENDS



OPERATING VENTS TO BE 1/2 OF THE WINDOW WIDTH
XO OR OX

* APPLIED SILL RISER (ITEM #25) REQUIRED WHEN EXT.(+) PRESSURE EXCEEDS 70.0 PSF ONLY.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0102.01
Expiration Date 08/04/2017
By *Mamuel Perez*
Miami/Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
JAVAD AHMAD
JUN 11 2015

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\W07-28SIW

S-200 STORMSAFE ALUM HORIZ. ROLLING 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
B	07.28.09		GENERAL REVISION
C	01.17.12		UPDATED TO 2010 FBC
D	12.26.14		GENERAL REVISION
E	06.01.15		NO CHANGE THIS SHEET

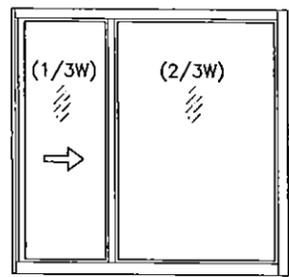
date: 04-24-07
scale: -
dr. by: HAMD
chk. by:

drawing no.
W07-28

sheet 2 of 8

DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)									
WINDOW DIMS.		W/O STEEL REINFORCING				WITH STEEL REINFORCING			
		GLASS TYPE 'A'		GLASS TYPES 'B' & 'D'		GLASS TYPE 'C' *		GLASS TYPE 'C' *	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
54"	24"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
63"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
81"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
54"	36"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
63"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
81"		-	-	70.0	70.0	80.0	100.0	-	-
54"	48"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
63"		-	-	70.0	70.0	80.0	100.0	-	-
72"		-	-	70.0	70.0	80.0	100.0	-	-
81"		-	-	70.0	70.0	80.0	100.0	-	-
54"	60"	-	-	70.0	70.0	80.0	100.0	-	-
63"		-	-	70.0	70.0	80.0	100.0	-	-
72"		-	-	70.0	70.0	80.0	100.0	-	-
81"		-	-	70.0	70.0	80.0	100.0	-	-
54"	72"	-	-	-	-	80.0	97.8	-	-
63"		-	-	-	-	80.0	88.1	-	-
72"		-	-	-	-	80.0	81.2	80.0	100.0
81"		-	-	-	-	76.3	76.3	80.0	100.0
55-1/2"	26"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
79-3/4"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
83-1/4"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
55-1/2"	38-3/8"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
79-3/4"		-	-	70.0	70.0	80.0	100.0	-	-
83-1/4"		-	-	70.0	70.0	80.0	100.0	-	-
55-1/2"	50-5/8"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
79-3/4"		-	-	70.0	70.0	80.0	100.0	-	-
83-1/4"		-	-	70.0	70.0	80.0	100.0	-	-
55-1/2"	63"	-	-	70.0	70.0	80.0	100.0	-	-
79-3/4"		-	-	70.0	70.0	80.0	96.5	-	-
83-1/4"		-	-	70.0	70.0	80.0	95.0	-	-
55-1/2"	74"	-	-	-	-	80.0	92.3	-	-
79-3/4"		-	-	-	-	73.6	73.6	80.0	100.0
83-1/4"		-	-	-	-	72.0	72.0	80.0	100.0

WITH ADDL. ANCHOR AT MTG. STILE ENDS



OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH
XO OR OX

* APPLIED SILL RISER (ITEM #25) REQUIRED WHEN EXT.(+) PRESSURE EXCEEDS 70.0 PSF ONLY.

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. **15-0102.01**
Expiration Date **08/01/2017**
By *Manuel Perez*
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
Javad Ahmad
01 2015

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

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\W07-28SIW

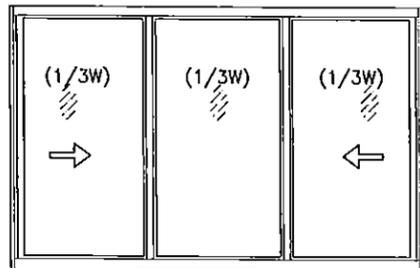
S-200 STORMSAFE ALUM HORIZ. ROLLING WDW. (L.M.I.)
SIW IMPACT WINDOWS, LLC.
975 S. CONGRESS AVE. #102
DELRAY BEACH, FL. 33445
TEL. (561) 274-9392 FAX. (561) 274-9262

no	date	by	description
B	07.28.09		GENERAL REVISION
C	01.17.12		UPDATED TO 2010 FBC
D	12.26.14		GENERAL REVISION
E	06.01.15		NO CHANGE THIS SHEET

date: 04-24-07
scale: -
dr. by: HAMID
chk. by:
drawing no. **W07-28**
sheet 3 of 8

DESIGN LOAD CAPACITY - PSF (XOX SIZES)									
WINDOW DIMS.		W/O STEEL REINFORCING				WITH STEEL REINFORCING			
		GLASS TYPE 'A'		GLASS TYPES 'B' & 'D'		GLASS TYPE 'C' *		GLASS TYPE 'C' *	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
72"	24"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
84"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
96"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
108"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"	36"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
84"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
96"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
108"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"	48"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
84"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
96"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
108"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"	60"	-	-	70.0	70.0	80.0	100.0	-	-
84"		-	-	70.0	70.0	80.0	100.0	-	-
96"		-	-	70.0	70.0	80.0	100.0	-	-
108"		-	-	70.0	70.0	80.0	100.0	-	-
72"	72"	-	-	-	-	80.0	100.0	-	-
84"		-	-	-	-	80.0	92.5	-	-
96"		-	-	-	-	80.0	84.1	-	-
108"		-	-	-	-	77.9	77.9	80.0	100.0
74"	26"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
106-1/4"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
111"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
74"	38-3/8"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
106-1/4"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
111"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
74"	50-5/8"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
106-1/4"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
111"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
74"	63"	-	-	70.0	70.0	80.0	100.0	-	-
106-1/4"		-	-	70.0	70.0	80.0	96.5	-	-
111"		-	-	70.0	70.0	80.0	94.2	-	-
74"	74"	-	-	-	-	80.0	98.1	-	-
106-1/4"		-	-	-	-	75.6	75.6	80.0	100.0
111"		-	-	-	-	73.5	73.5	80.0	100.0

WITH ADDL. ANCHOR AT MTG. STILE ENDS

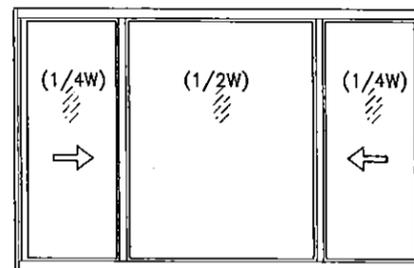


OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

XOX

DESIGN LOAD CAPACITY - PSF (XOX SIZES)									
WINDOW DIMS.		W/O STEEL REINFORCING				WITH STEEL REINFORCING			
		GLASS TYPE 'A'		GLASS TYPES 'B' & 'D'		GLASS TYPE 'C' *		GLASS TYPE 'C' *	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
72"	24"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
84"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
96"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
108"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"	36"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
84"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
96"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
108"		-	-	70.0	70.0	80.0	100.0	-	-
72"	48"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
84"		-	-	70.0	70.0	80.0	100.0	-	-
96"		-	-	70.0	70.0	80.0	100.0	-	-
108"		-	-	70.0	70.0	80.0	100.0	-	-
72"	60"	-	-	70.0	70.0	80.0	100.0	-	-
84"		-	-	70.0	70.0	80.0	100.0	-	-
96"		-	-	70.0	70.0	80.0	100.0	-	-
108"		-	-	70.0	70.0	80.0	100.0	-	-
72"	72"	-	-	-	-	80.0	97.8	-	-
84"		-	-	-	-	80.0	88.1	-	-
96"		-	-	-	-	80.0	81.2	80.0	100.0
108"		-	-	-	-	76.3	76.3	80.0	100.0
74"	26"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
106-1/4"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
111"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
74"	38-3/8"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
106-1/4"		-	-	70.0	70.0	80.0	100.0	-	-
111"		-	-	70.0	70.0	80.0	100.0	-	-
74"	50-5/8"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
106-1/4"		-	-	70.0	70.0	80.0	100.0	-	-
111"		-	-	70.0	70.0	80.0	100.0	-	-
74"	63"	-	-	70.0	70.0	80.0	100.0	-	-
106-1/4"		-	-	70.0	70.0	80.0	96.5	-	-
111"		-	-	70.0	70.0	80.0	95.0	-	-
74"	74"	-	-	-	-	80.0	92.3	-	-
106-1/4"		-	-	-	-	73.6	73.6	80.0	100.0
111"		-	-	-	-	72.0	72.0	80.0	100.0

WITH ADDL. ANCHOR AT MTG. STILE ENDS



OPERATING VENTS TO BE 1/4 OF THE WINDOW WIDTH

XOX

PRODUCT REVISED

as complying with the Florida Building Code
Acceptance No. 15-0102.01
Expiration Date 08/01/2017

By *Manuel J...*
Miami Dade Product Control

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

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

JIN 1/2015

* APPLIED SILL RISER (ITEM #25) REQUIRED WHEN EXT.(+) PRESSURE EXCEEDS 70.0 PSF ONLY.

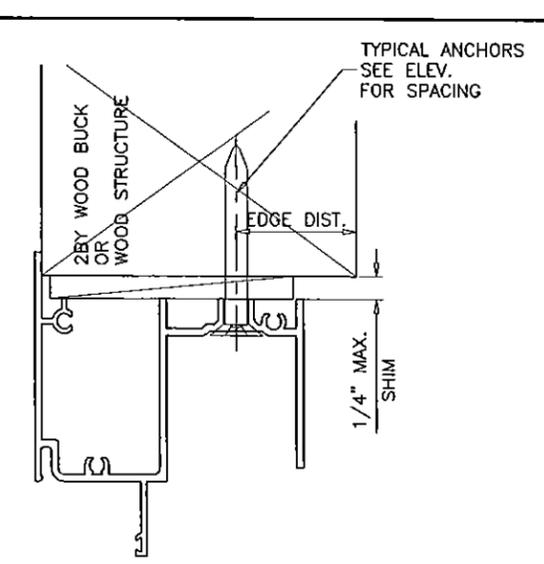
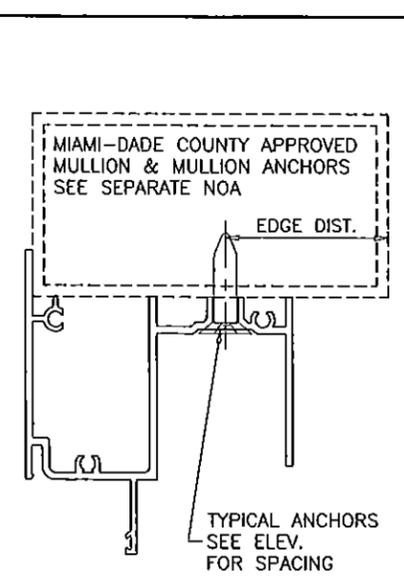
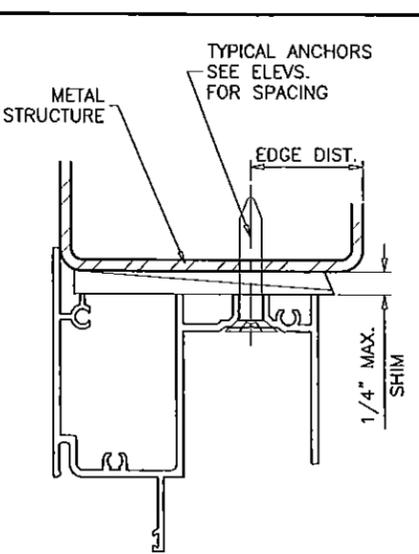
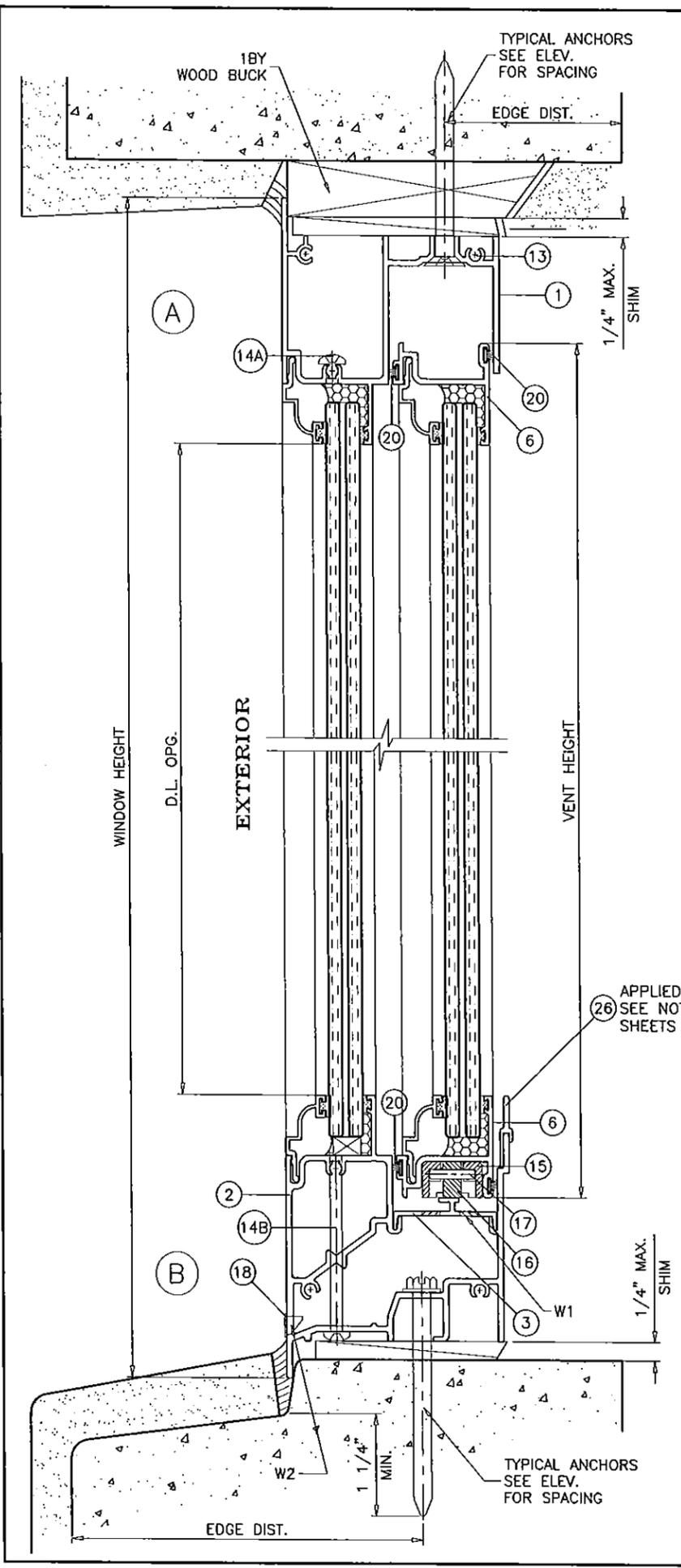
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W07-28SIW

S-200 STORMSAFE ALUM HORIZ. ROLLING 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	06.27.07		NO CHANGE THIS SHEET
B	07.28.09		GENERAL REVISION
C	10.17.12		UPDATED TO 2010 FBC
D	12.26.14		GENERAL REVISION
E	06.01.15		NO CHANGE THIS SHEET

date: 04-24-07
scale: -
dr. by: HAMID
chk. by:

drawing no.
W07-28
sheet 4 of 8



SEALANTS:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SILICONE OR ACRYLIC SEALANT.

WEEPHOLES:

- W1 = 1" X 1/4" WEEPHOLES IN PAIRS
 (2) ON VENT AREA AT 2" FROM ENDS AND 26" O.C.
 (4) UNDER FIX. LITE AT 18" O.C.
- W2 = 1-3/4" X 1/4" WEEPHOLES WITH NYLON BAFFLE
 (2) ON VENT AREA AT 15" FROM ENDS AND 24" O.C.
 (3) UNDER FIX. LITE AT 16" O.C.

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

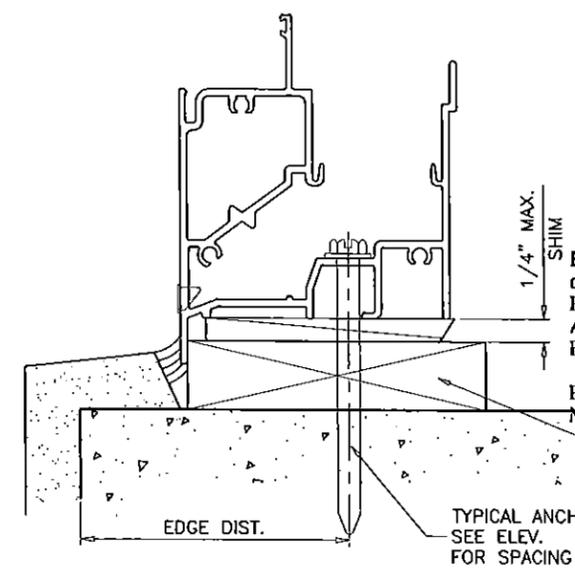
- 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

- #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO METAL STRUCTURES
 STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

- #12 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")
 (NO SHIM SPACE)

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

- WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 15-0102.01
 Expiration Date 08/01/2017
 By *Manuel Perez*
 Miami Dade Product Control

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 JUN 01 2015

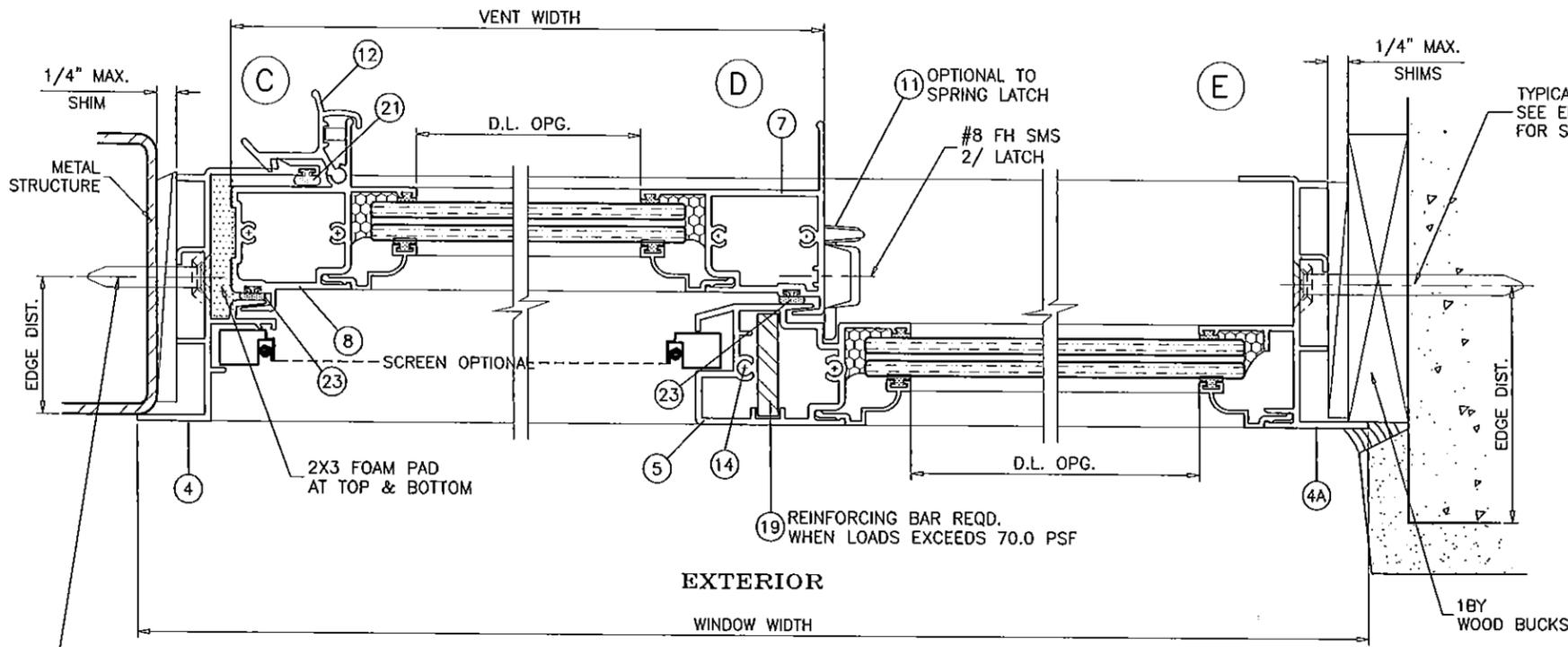
af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W07-28SIW

S-200 STORMSAFE ALUM HORIZ. ROLLING WDW. (L.M.I.)
SIW IMPACT WINDOWS, LLC.
 975 S. CONGRESS AVE. #102
 DELRAY BEACH, FL. 33445
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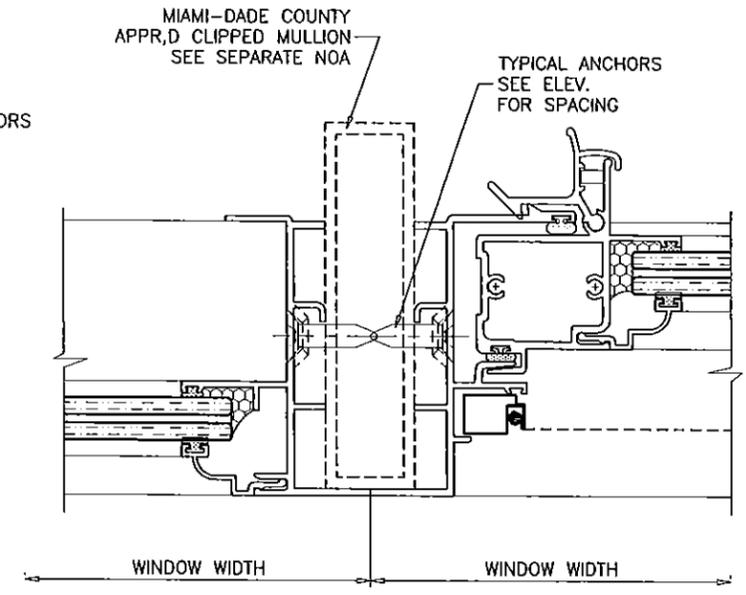
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B	07.28.09	GENERAL REVISION	
C	01.17.12	NO CHANGE THIS SHEET	
D	12.26.14	GENERAL REVISION	
E	06.01.15	REV. PER PER COMMENTS	

date: 04-24-07
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W07-28
 sheet 5 of 8



EXTERIOR
WINDOW WIDTH
XO LAYOUT
OX OPPOSITE



EXTERIOR
WINDOW WIDTH
XOX LAYOUT

PRODUCT REVISED
as complying with the Florida
Building Code **15-0107.01**
Acceptance No
Expiration Date **08/01/2017**
By *Manuel Perez*
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
JAVAD AHMAD
JUN 01 2015

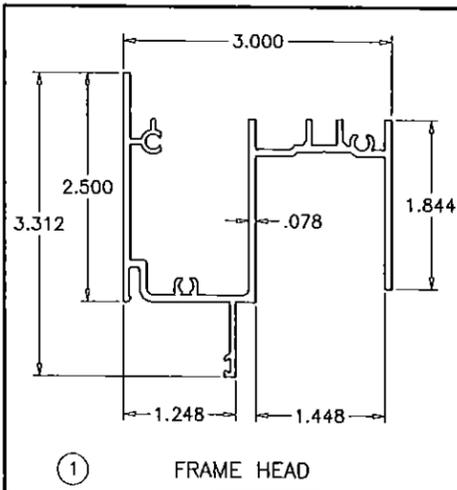
afc
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W07-28SIW

S-200 STORMSAFE ALUM. HORIZ. ROLLING WDW. (L.M.I.)
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TEL. (561) 274-9392 FAX. (561) 274-9262

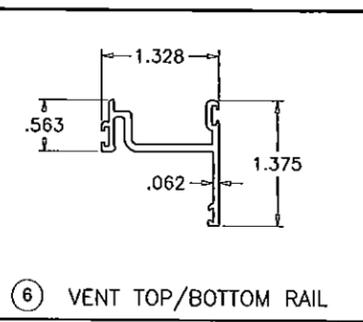
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B	07.28.09		GENERAL REVISION
C	01.17.12		NO CHANGE THIS SHEET
D	12.26.14		GENERAL REVISION
E	06.01.15		REV. PER RER COMMENTS

date: 04-24-07
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

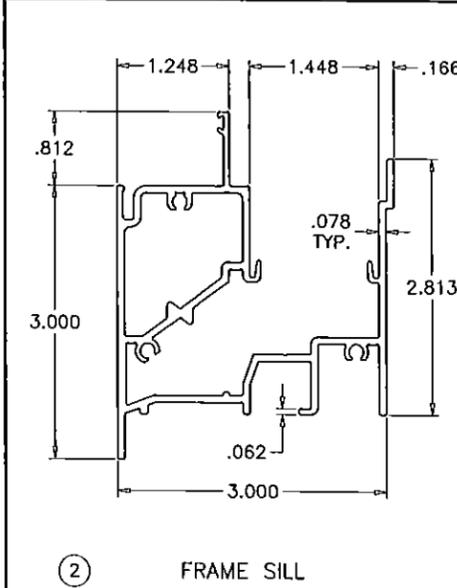
drawing no.
W07-28
sheet 6 of 8



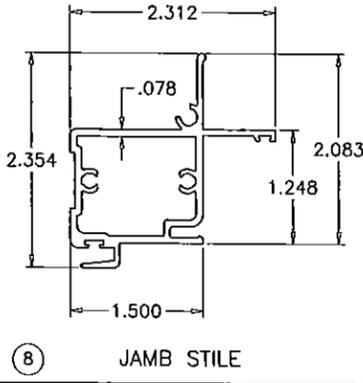
① FRAME HEAD



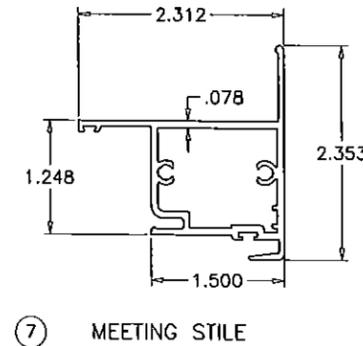
⑥ VENT TOP/BOTTOM RAIL



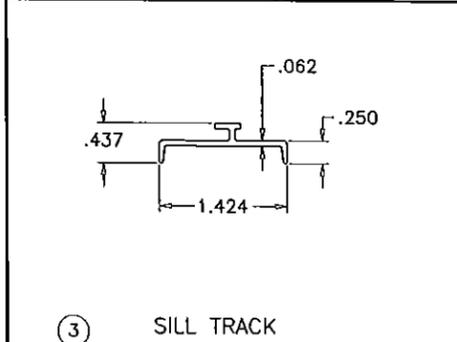
② FRAME SILL



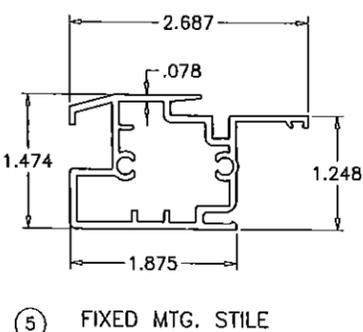
⑧ JAMB STILE



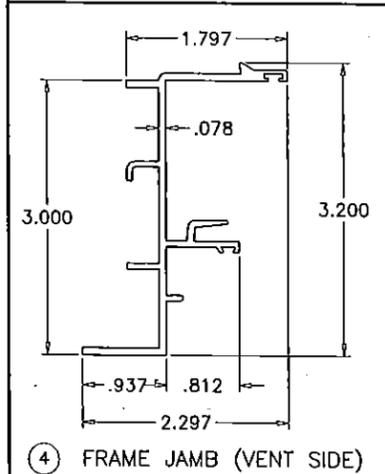
⑦ MEETING STILE



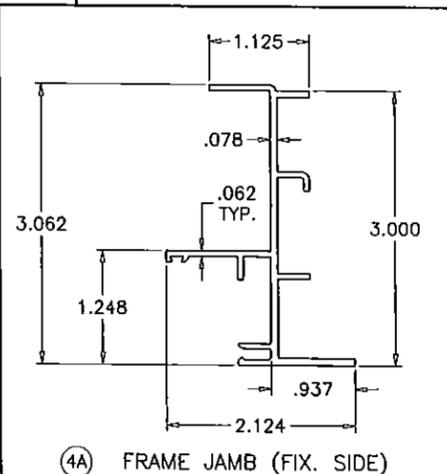
③ SILL TRACK



⑤ FIXED MTG. STILE

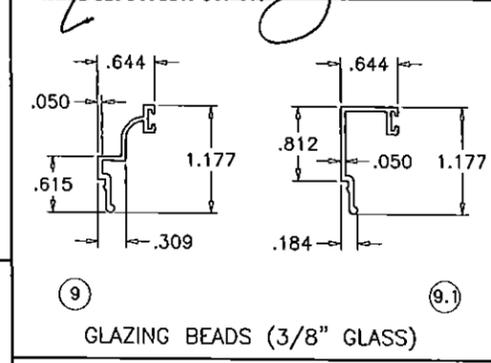


④ FRAME JAMB (VENT SIDE)

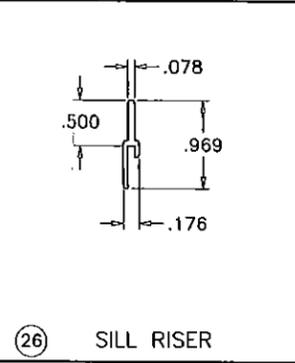


④A FRAME JAMB (FIX. SIDE)

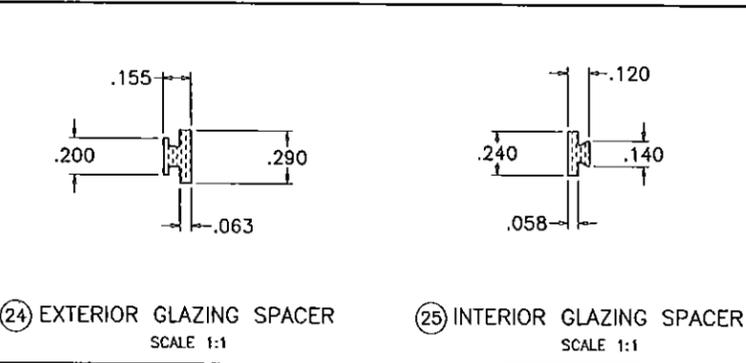
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **15-0102-04**
Expiration Date **02/01/2017**
By *Manuel Perez*
Miami Dade Product Control



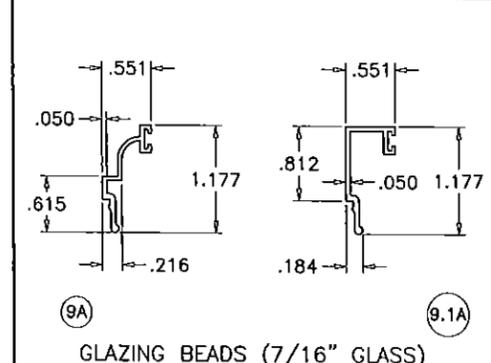
⑨ GLAZING BEADS (3/8" GLASS)



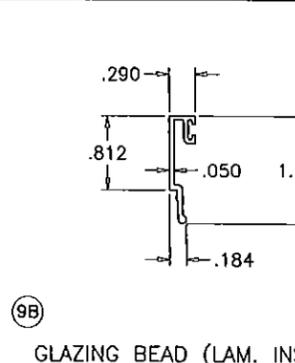
②6 SILL RISER



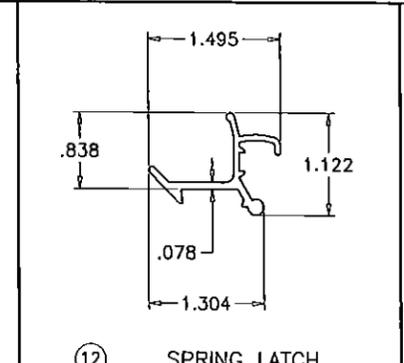
②4 EXTERIOR GLAZING SPACER SCALE 1:1
②5 INTERIOR GLAZING SPACER SCALE 1:1



⑨A GLAZING BEADS (7/16" GLASS)



⑨B GLAZING BEAD (LAM. INSUL. GLASS)



⑫ SPRING LATCH

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SIW201	1	FRAME HEAD	6063-T6	-
2	SIW202	1	FRAME SILL	6063-T6	-
3	SIW213	1	SILL TRACK	6063-T6	-
4	SIW204	2	FRAME JAMB (VENT SIDE)	6063-T5	-
4A	SIW131	2	FRAME JAMB (FIX SIDE)	6063-T5	-
5	SIW206	1/	VENT FIXED MTG. RAIL	6063-T5	-
6	SIW107	2/	VENT TOP & BOTTOM RAIL	6063-T5	-
7	SIW105	1/	VENT INTERLOCK	6063-T5	-
8	SIW106	1/	VENT JAMB STILE	6063-T6	-
9	SIW112	AS REQD.	GLAZING BEAD (3/8" GLASS)	6063-T5	-
9.1	SIW128	AS REQD.	ALT. GLAZING BEAD (3/8" GLASS)	6063-T5	-
9A	SIW108	AS REQD.	GLAZING BEAD (7/16" GLASS)	6063-T5	-
9.1A	SIW127	AS REQD.	ALT. GLAZING BEAD (7/16" GLASS)	6063-T5	-
9B	SIW117	AS REQD.	GLAZING BEAD (LAM. INSUL. GLASS)	6063-T5	-
11	2K356B22	2/	SWEEP LATCH, AT 15-1/2" FROM EACH END	-	MASSOUD & BROS. CO.
12	SIW109	2/	SPRING LATCH, AT 15-1/2" FROM EACH END	6063-T6	-
13	-	AS REQD.	FRAME & VENT ASSY SCREWS	-	#10 X 1-1/2" PH SMS
14A	-	2/	FIXED RAIL SCREW AT TOP	-	#12 X 1-1/2" PH SMS
14B	-	2/	FIXED RAIL SCREW AT BOTTOM	-	#12 X 4" PH SMS
15	SIW207	4/	ROLLER HOUSING & GUIDE	DELTRIN	-
16	SIW208	2/	ROLLER	-	BRASS OR ST. STEEL
17	SIW209	2/	ROLLER PIN	ST. STEEL	-
18	-	5/	WDW. BAFFLE	NYLON	-
19	-	2/	LITE SETTING BLOCK, DUROMETER 85±5 SHORE A	EPDM	-
20	W23201NG	AS REQD.	TOP & BOTTOM RAIL W'STRIPPING	-	ULTRAFAB OE EQUIV.
21	9302BL	AS REQD.	FRAME JAMB W'STRIPPING	POLYPROPYLENE	CENTRAL PLASTICS
22	-	OPTIONAL	SCREEN	-	5/16" BOX
23	U4513	AS REQD.	BULB W'STRIPPING	-	SCHLEGEL
24	5531	AS REQD.	EXTERIOR GLAZING SPACER, DUROMETER 70±5 SHORE A	SANTOPRENE	CENTRAL PLASTICS
25	5530	AS REQD.	INTERIOR GLAZING SPACER, DUROMETER 70±5 SHORE A	SANTOPRENE	CENTRAL PLASTICS
26	SIW211	AS REQD.	SILL RISER	6063-T5	-

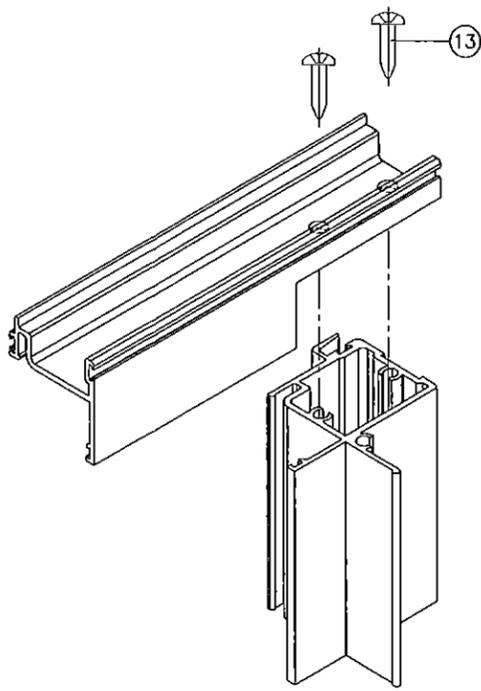
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
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COMP-ANL\W07-28SIW

S-200 STORMSAFE ALUM. HORIZ. ROLLING 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

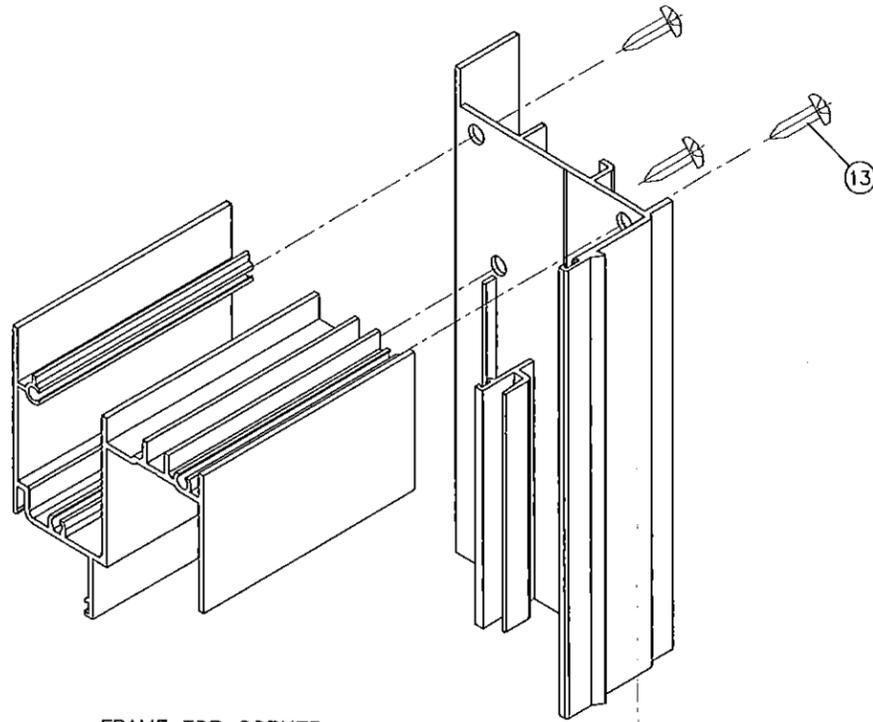
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A	06.27.07		NO CHANGE THIS SHEET
B	07.28.09		GENERAL REVISION
C	01.17.12		NO CHANGE THIS SHEET
D	12.26.14		GENERAL REVISION
E	06.01.15		NO CHANGE THIS SHEET

date: 04-24-07
scale: 1/2" = 1"
dr. by: HAMID
chk. by:
Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
JUN 01 2015

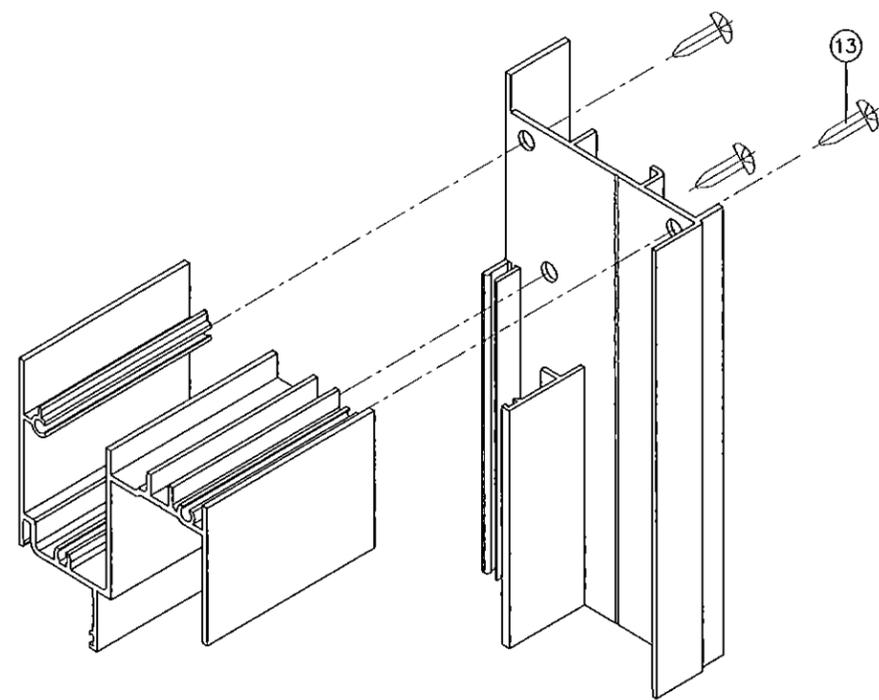
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W07-28
sheet 7 of 8



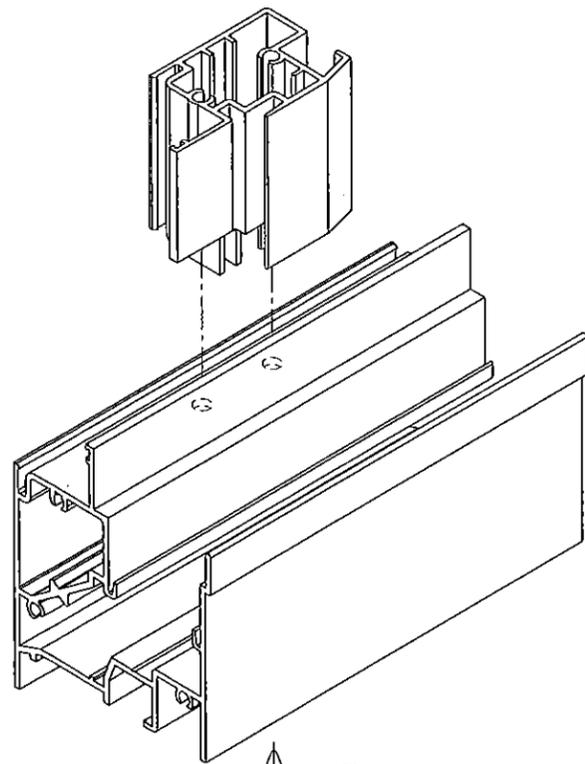
VENT TOP/BOTTOM CORNERS



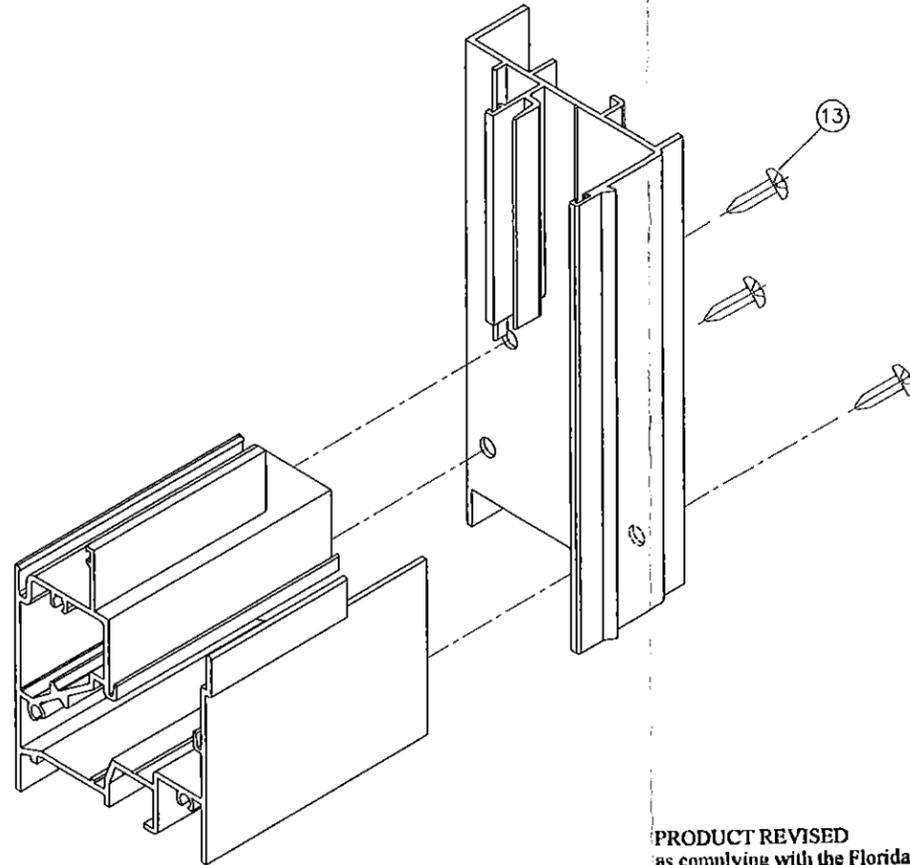
FRAME TOP CORNER



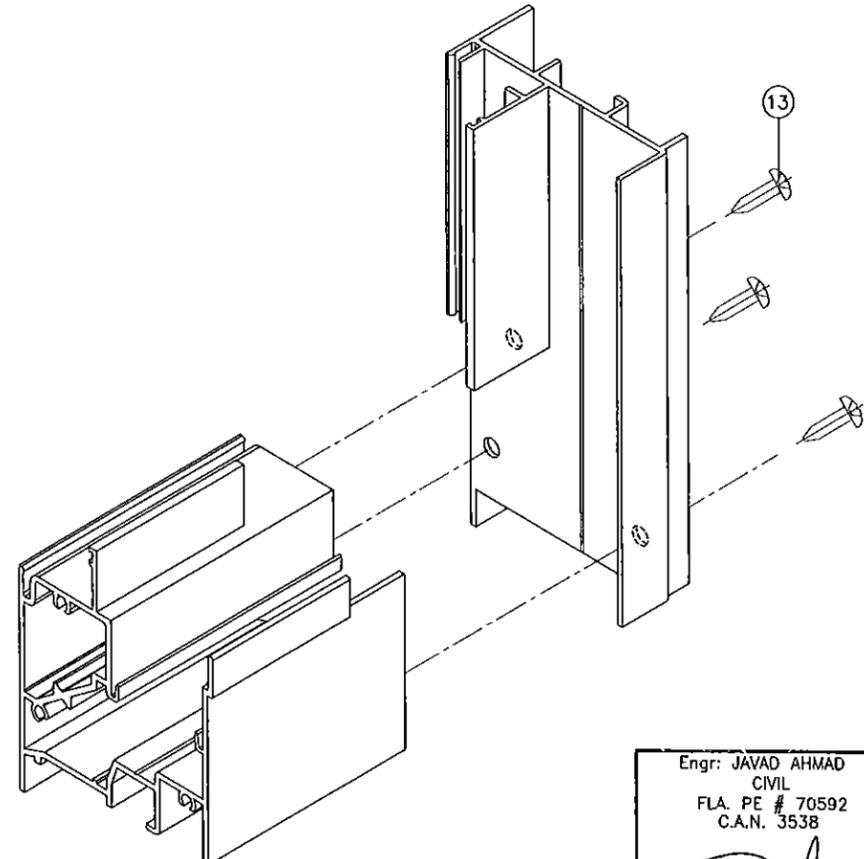
FRAME TOP CORNER



FIXED MTG. RAIL CORNER



FRAME BOTTOM CORNER
AT MOVING END



FRAME BOTTOM CORNER
AT FIXED END

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **15-0102.01**
Expiration Date **08/01/2017**
By *Manuel*
Miami Dade Product Control

Engr: JAVAD AHMAD
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afc
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