



MIAMI-DADE COUNTY
 PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

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

E.S. Windows, LLC
 3550 N. W. 49 Street
 Miami, FL 33142

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 1100 Aluminum Single Hung Window –S.M.I.

APPROVAL DOCUMENT: Drawing No. **W05-20 Rev F**, titled "Series 1100 Alum Single Hung Window (S.M.I.)", sheets 1 through 6 of 6, prepared by AL-Farooq Corporations, dated 04/26/05 and last revised on AUG 04, 2015, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

Limitation:

1. See Design Pressure Rating VS glass types, Equal or unequal (Oriel) lites in sheet 2 of the Dwgs.
2. Max DLO (day light opening) Height for Oriel fixed lite must not exceed 32-3/4".

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Barranquilla, Colombia and series and following statement: "Miami-Dade County Product Control Approved", 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 & renews NOA # 12-0410.04 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



8/5/15

NOA No. 15-0129.07
 Expiration Date: August 11, 2020
 Approval Date: August 13, 2015
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files # below)
2. Drawing No. **W05-20 Rev F**, titled "Series 1100 Alum Single Hung Window (S.M.I.)", sheets 1 through 6 of 6, prepared by AL-Farooq Corporations, dated 04/26/05 and last revised on AUG 04, 2015, signed and sealed by Javad Ahmad, P.E.

B. TESTS (Submitted under files #12-0410.04/#09-1008.02/06-0316.03)

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test, per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading, per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of an aluminum Single Hung window, prepared by Fenestration Testing Lab., Test Report No. **FTL 5653** dated 10/24/08, signed and sealed by Carlos S. Rionda, P.E.

2. Additional test per TAS 202-94 & 201/203-94(SMI), along with marked-up drawings and installation diagram of an aluminum Single Hung window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-05-1432** dated 01/28/05 & **HETI-05-1945**, dated 03/28/05, signed and sealed by Ivonne Ghia, P.E. (file # **06-0316.03**)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2014 (5th edition) dated DEC 22, 2014 and last revised on JUL 22, 2015, prepared by Al Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Meeting Rails extrusion structural properties comparison dated DEC 23, 2014 and revised on JUL 22, 2015, signed and sealed by Javad Ahmad, P.E.
3. Lock rails extrusion structural properties comparison dated Dec 19, 2007, signed and sealed by late Dr. Humayoun Farooq, P. E. (submitted under **06-0316.03**).
4. Glazing complies w/ ASTM E-1300-02, -04 and -09.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.11** issued to Kuraray America, Inc.(Former E.I. DuPont DeNemours) for the "**Sentry Glass ® clear & white interlayer**", expiring on 07/04/18.
2. Notice of Acceptance No. **14-0916.10** issued to Kuraray America, Inc.(Former E.I. DuPont DeNemours) for the "**Kurary Butacite PVB, Interlayer**", expiring on 12/11/16.

F. STATEMENTS

1. Statement letter of conformance to FBC 2014 (5th Edition) and letter of no financial interest, prepared by Al Farooq Corporation, dated 10/22/15, signed and sealed by Javad Ahmad, P.E.
2. Lab compliance as part of the above referenced test report.

G. OTHER

1. This NOA **revises & renews** NOA # **12-0410.04**, expiring on August 11, 2020.
2. Distribution agreement ES Windows-Energia Solar, S.A. and ES Windows, LLC, dated 08/13/15, signed by MS Carla G. Torrente and Andres Chamorro respectively.
3. BCCO test proposals # 02-0929 dtd 01/09/03 & dtd Feb 02, 2008, "sill base adapter" dtd Feb. 14, 2006 and MR/Lock test proposal, dated Feb. 01, 2008.



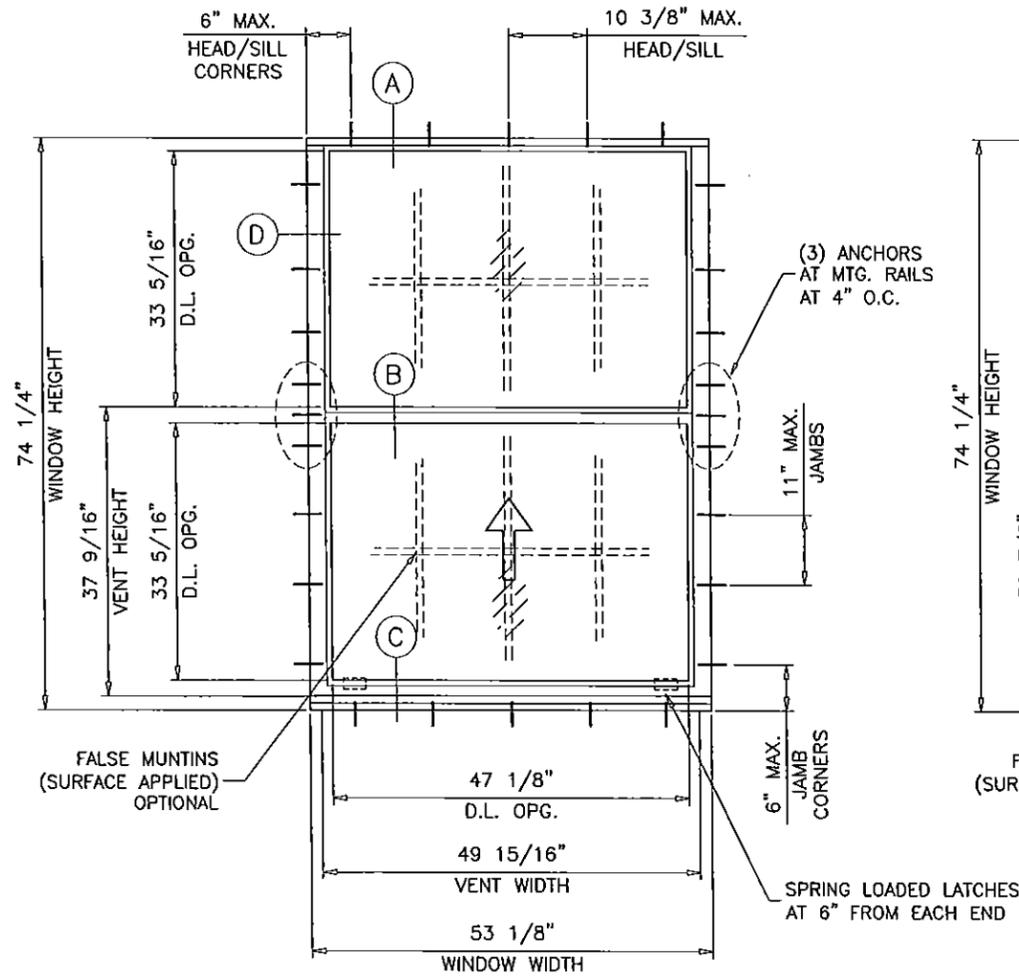
Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No. 15-0129.07

Expiration Date: August 11, 2020

Approval Date: August 13, 2015



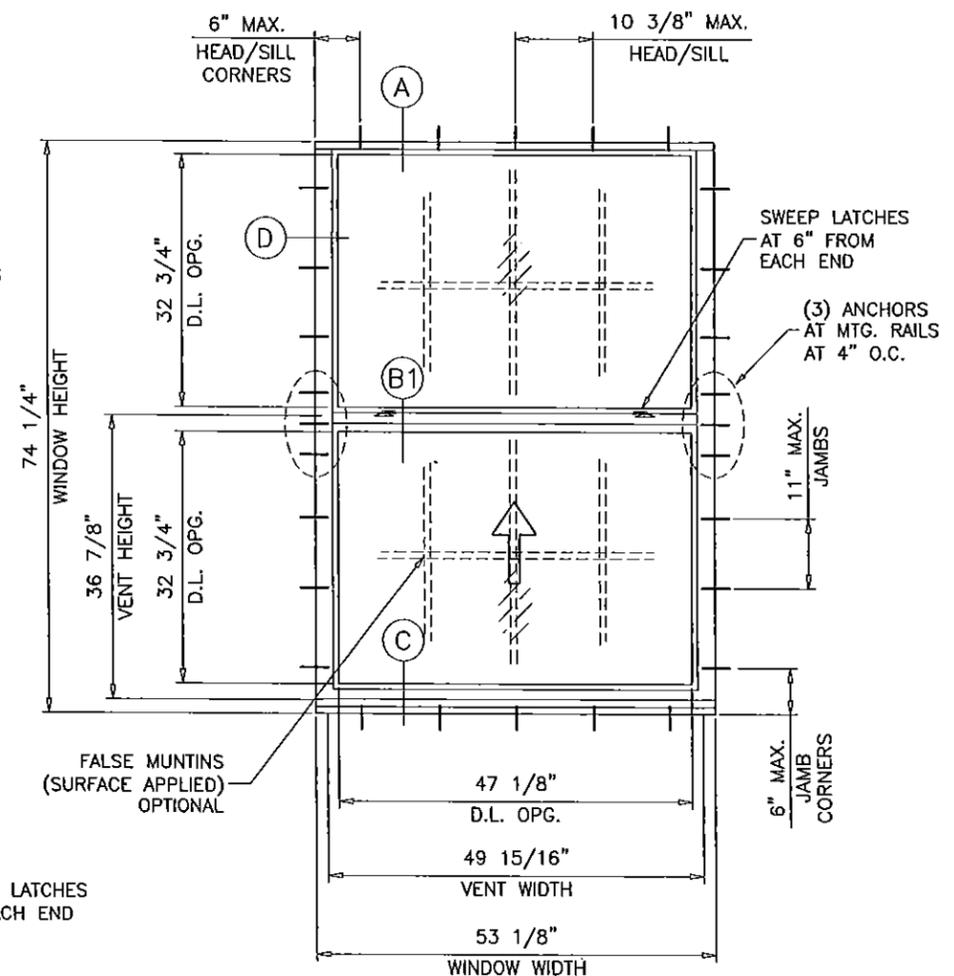
TYPICAL ELEVATION

LATCHES AT BOTTOM RAIL:

DAYLITE OPENINGS:

$$\text{DLO WIDTH} = \text{WINDOW WIDTH} - 6.000$$

$$\text{DLO HEIGHT} = \frac{\text{WINDOW HT} - 7.625}{2}$$



TYPICAL ELEVATION

LATCHES AT MTG. RAIL:

DAYLITE OPENINGS:

$$\text{DLO WIDTH} = \text{WINDOW WIDTH} - 6.000$$

$$\text{DLO HEIGHT} = \frac{\text{WINDOW HT} - 8.750}{2}$$

SERIES-1100 ALUMINUM SINGLE HUNG WINDOW

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

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG 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.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY 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.

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

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

AUG 04 2015

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 15-0129-07
Expiration Date AUG 11 2020
By: *Shahid Chaudhry*
Manual Dir. 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\W05-20ESW

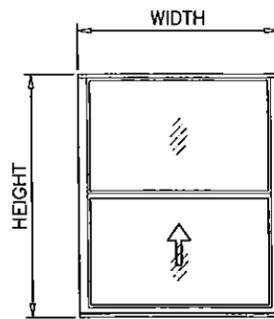
SERIES-1100 ALUM SINGLE HUNG WINDOW (S.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	description	by
C	03.12.10	REV. PER BCCO COMMENTS	
D	04.02.12	UPDATED TO 2010 FBC	
E	10.23.14	UPDATED TO 2014 FBC	
F	07.20.15	REV. PER PER COMMENTS	

date: 04-26-05	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
----------------	------------------	---------------	----------

EQUAL LITES WINDOWS DESIGN LOAD CAPACITY - PSF					
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
19-1/8"	26" (3)	80.0	120.0	80.0	140.0
26-1/2"		80.0	120.0	80.0	140.0
32"		80.0	120.0	80.0	140.0
37"		80.0	120.0	80.0	140.0
42"		80.0	120.0	80.0	140.0
48"		80.0	120.0	80.0	140.0
53-1/8"		80.0	120.0	80.0	140.0
19-1/8"	38-3/8" (4)	80.0	120.0	80.0	140.0
26-1/2"		80.0	120.0	80.0	140.0
32"		80.0	120.0	80.0	140.0
37"		80.0	120.0	80.0	140.0
42"		80.0	120.0	80.0	140.0
48"		80.0	120.0	80.0	140.0
53-1/8"		80.0	120.0	80.0	140.0
19-1/8"	50-5/8" (5)	80.0	120.0	80.0	140.0
26-1/2"		80.0	120.0	80.0	140.0
32"		80.0	120.0	80.0	140.0
37"		80.0	120.0	80.0	140.0
42"		80.0	120.0	80.0	140.0
48"		80.0	120.0	80.0	140.0
53-1/8"		80.0	120.0	80.0	140.0
19-1/8"	58" (6)	80.0	120.0	80.0	140.0
26-1/2"		80.0	120.0	80.0	140.0
32"		80.0	120.0	80.0	140.0
37"		80.0	120.0	80.0	140.0
42"		80.0	120.0	80.0	140.0
48"		80.0	120.0	80.0	140.0
53-1/8"		80.0	120.0	80.0	140.0
19-1/8"	63" (6)	80.0	120.0	80.0	140.0
26-1/2"		80.0	120.0	80.0	140.0
32"		80.0	120.0	80.0	140.0
37"		80.0	120.0	80.0	140.0
42"		80.0	120.0	80.0	140.0
48"		80.0	120.0	80.0	140.0
53-1/8"		80.0	120.0	80.0	140.0
19-1/8"	74-1/4" (7)	80.0	120.0	80.0	140.0
26-1/2"		80.0	120.0	80.0	140.0
32"		80.0	120.0	80.0	140.0
37"		80.0	120.0	80.0	140.0
42"		80.0	120.0	80.0	140.0
48"		80.0	120.0	80.0	140.0
53-1/8"		80.0	117.5	80.0	135.7

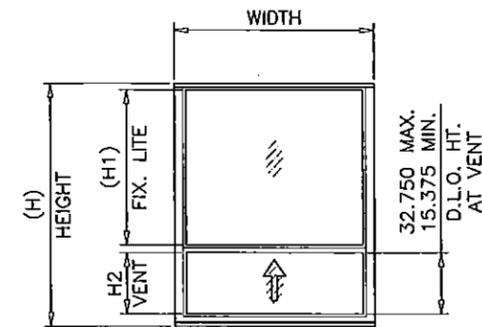
* NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.



EQUAL LITES

UNEQUAL LITES (ORIEL TYPES) WINDOWS DESIGN LOAD CAPACITY - PSF					
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
19-1/8"	50-5/8" (5)	80.0	120.0	80.0	140.0
26-1/2"		80.0	120.0	80.0	140.0
32"		80.0	120.0	80.0	140.0
37"		80.0	120.0	80.0	140.0
42"		80.0	120.0	80.0	140.0
48"		80.0	120.0	80.0	140.0
53-1/8"		80.0	120.0	80.0	140.0
19-1/8"	58" (6)	80.0	120.0	80.0	140.0
26-1/2"		80.0	120.0	80.0	140.0
32"		80.0	120.0	80.0	140.0
37"		80.0	120.0	80.0	140.0
42"		80.0	120.0	80.0	140.0
48"		80.0	120.0	80.0	140.0
53-1/8"		80.0	120.0	80.0	140.0
19-1/8"	63" (6)	80.0	120.0	80.0	140.0
26-1/2"		80.0	120.0	80.0	140.0
32"		80.0	120.0	80.0	140.0
37"		80.0	120.0	80.0	140.0
42"		80.0	120.0	80.0	140.0
48"		80.0	120.0	80.0	140.0
53-1/8"		80.0	120.0	80.0	140.0
19-1/8"	74-1/4" (7)	80.0	120.0	80.0	140.0
26-1/2"		80.0	120.0	80.0	140.0
32"		80.0	120.0	80.0	140.0
37"		80.0	120.0	80.0	140.0
42"		80.0	120.0	80.0	140.0
48"		80.0	120.0	80.0	140.0
53-1/8"		80.0	120.0	80.0	140.0

* NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.



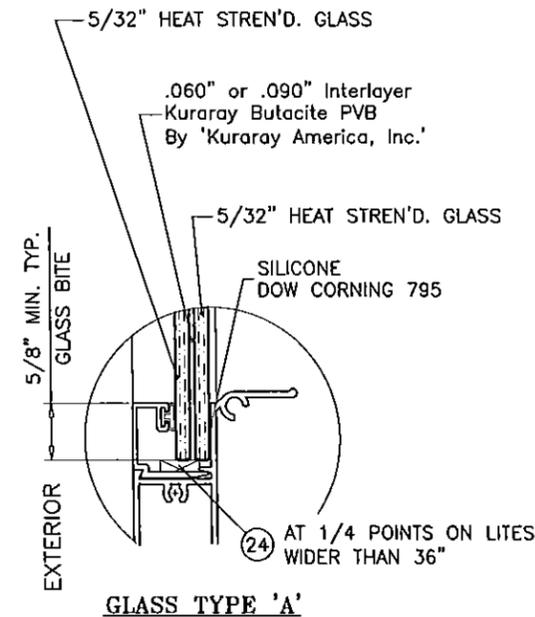
UNEQUAL LITES (ORIEL TYPE)

ORIEL TYPE WITH LATCHES AT BOTTOM RAIL:

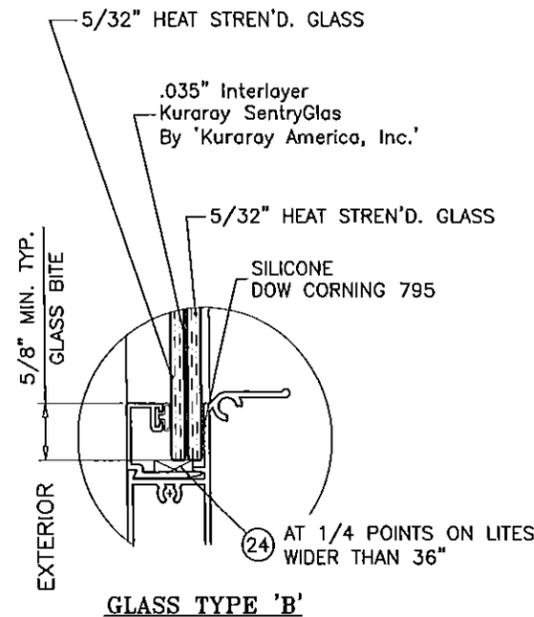
$$\text{FIXED LITE DLO HEIGHT (H1)} = H - 7.625 - H2$$

ORIEL TYPE WITH LATCHES AT MTG. RAIL:

$$\text{FIXED LITE DLO HEIGHT (H1)} = H - 8.750 - H2$$



GLASS TYPE 'A'



GLASS TYPE 'B'

GLAZING OPTIONS

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

AUG 04 2015

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0129-07
Expiration Date 8/11/20
By: *Ishag J. Ahmad*
Miami Trade 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

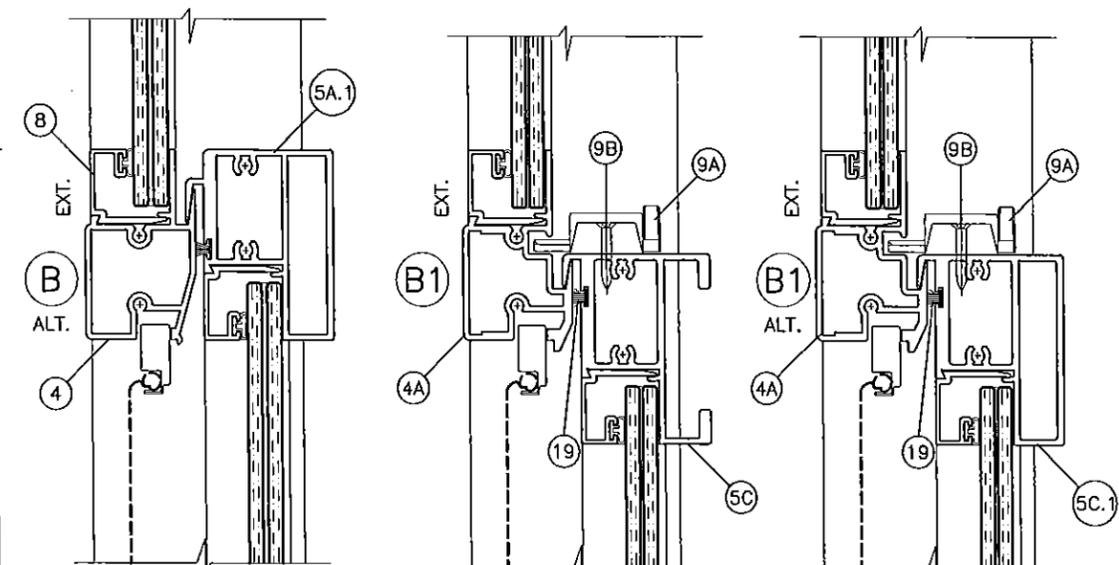
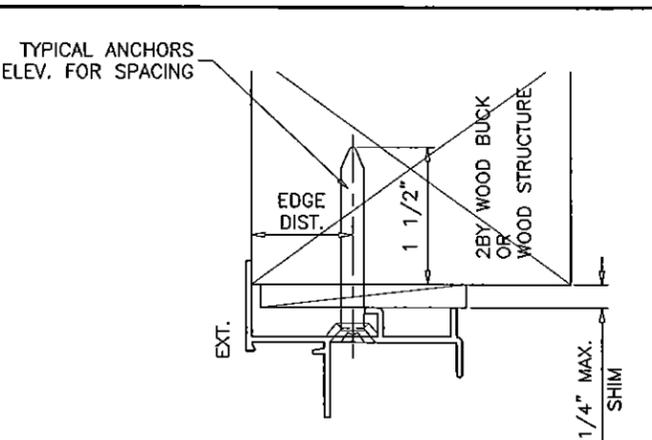
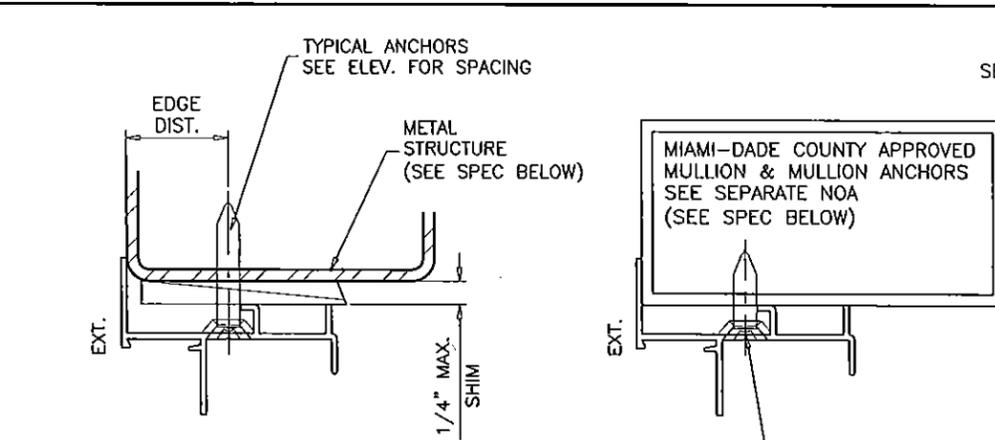
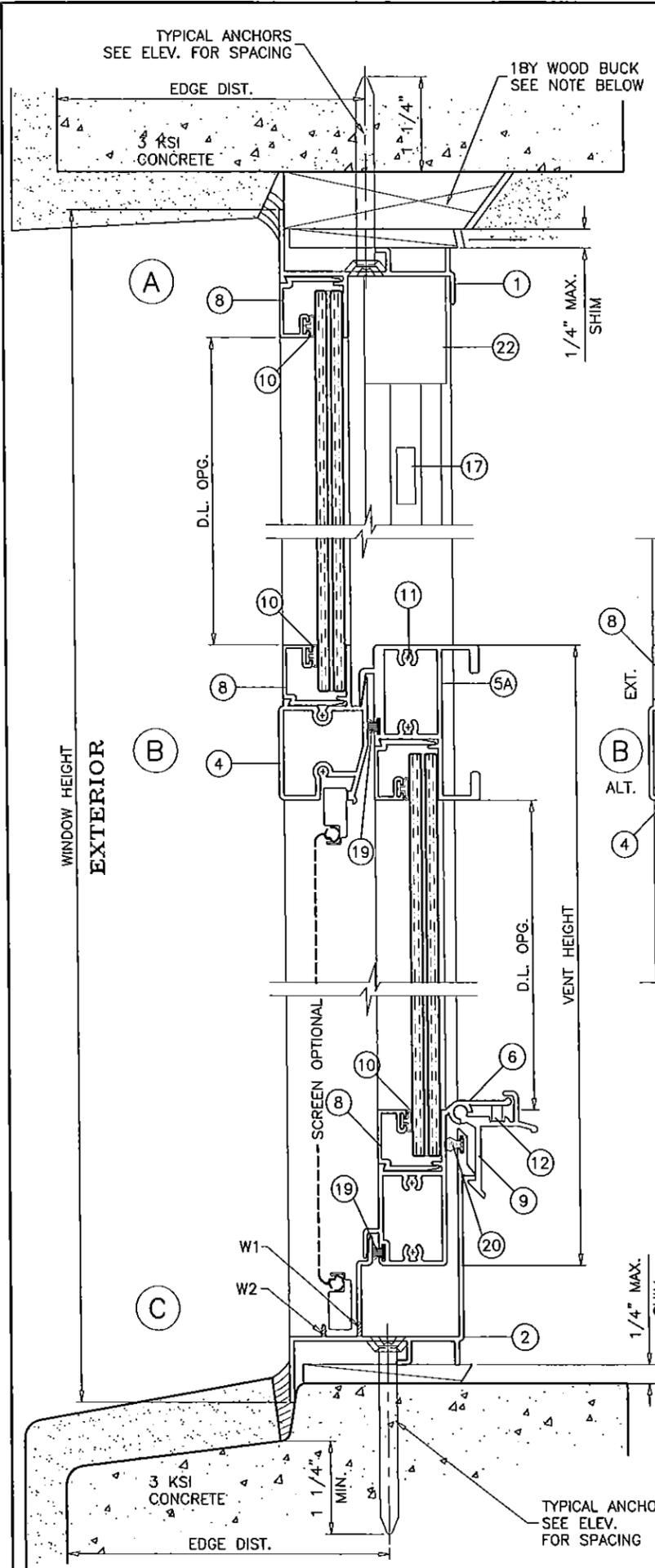
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W05-20ESW

SERIES-1100 ALUM SINGLE HUNG WINDOW (S.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL (305) 638-5151 FAX (305) 638-5158

NO.	DATE	BY	DESCRIPTION
C	03.12.10		REV. PER BCCO COMMENTS
D	04.02.12		UPDATED TO 2010 FBC
E	10.23.14		UPDATED TO 2014 FBC
F	07.20.15		REV. PER PER COMMENTS

date: 04-26-05
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W05-20
sheet 2 of 6



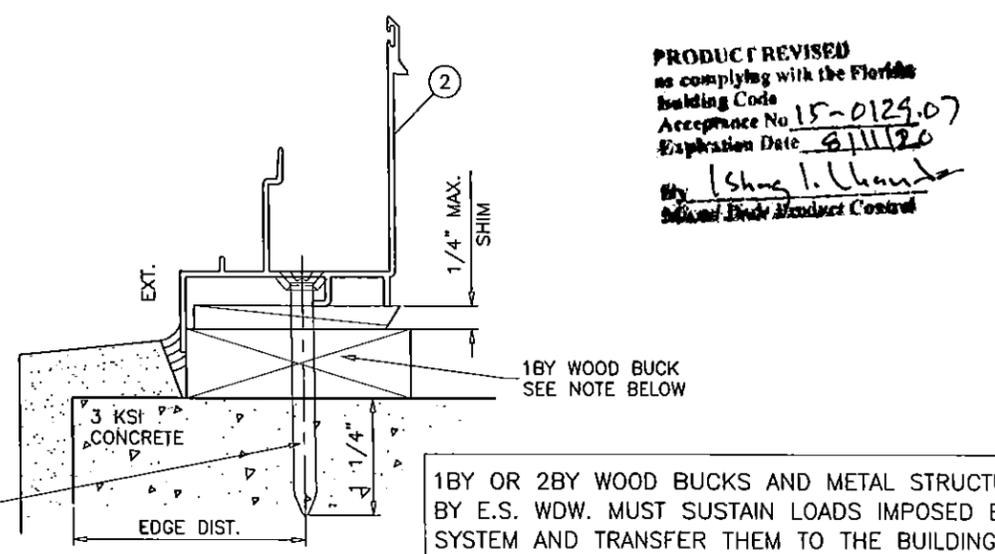
TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. ULTRACON BY 'ELCO' ($F_u=177$ KSI, $F_y=155$ KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO METAL STRUCTURES
 STEEL : 1/8" THK. MIN. ($F_y = 36$ 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
 1/8" THK. MIN. (ALUMINUM 6063-T5)

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



1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY E.S. WDW. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 15-0129.07
 Expiration Date 8/11/20
 By: Shing I. Chandra
 Senior Design Manager

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 AUG 04 2015

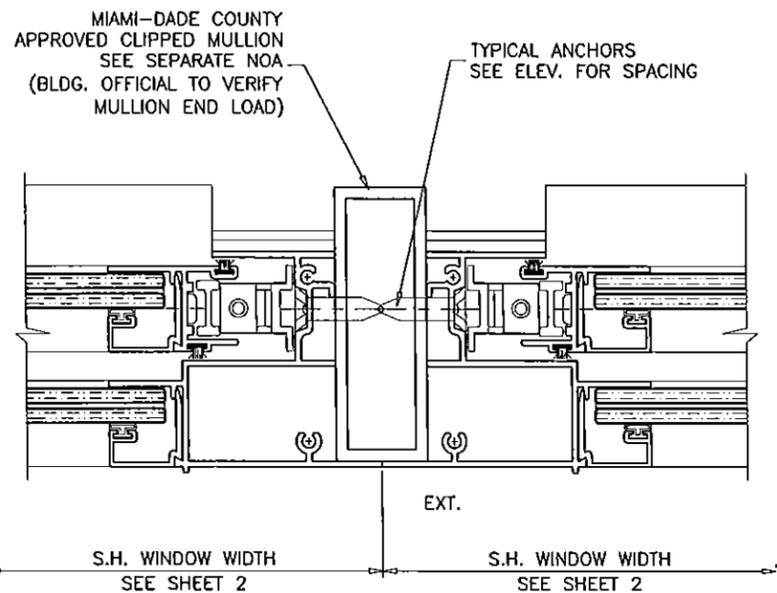
af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W05-20ESW

SERIES-1100 ALUM SINGLE HUNG WINDOW (S.M.I.)
E.S. WINDOWS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL. 33142
 TEL. (305) 638-5151 FAX. (305) 638-5158

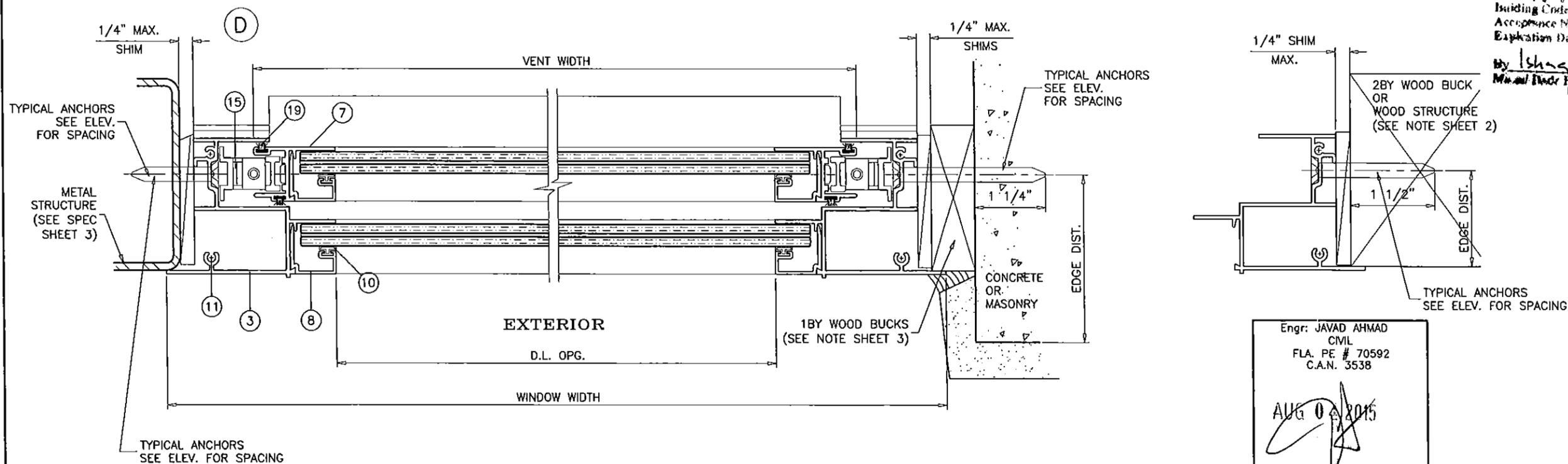
NO	DATE	BY	DESCRIPTION
C	03.12.10	REV. PER BCCO COMMENTS	
D	04.02.12	NO CHANGE THIS SHEET	
E	10.23.14	UPDATED TO 2014 FBC	
F	07.20.15	REV. PER RER COMMENTS	

date: 04-26-05
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W05-20
 sheet 3 of 6



ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ES1001	1	FRAME HEAD	6063-T6	-
2	ES1101	1	FRAME SILL	6063-T6	-
3	ES1003	2	FRAME JAMB	6063-T6	-
4	ES1005	1	FIXED MTG. RAIL (FOR SPRING LATCH)	6063-T6	-
4A	ES1051	1	FIXED MTG. RAIL (FOR SWEEP LATCH)	6063-T6	-
5A	ES2004	1	HEAVY DUTY VENT TOP RAIL (FOR SPRING LATCHES)	6063-T6	-
5A.1	ES2004A	1	HEAVY DUTY VENT TOP RAIL (FOR SPRING LATCHES)	6063-T6	ALTERNATE TO 5A
5C	ES1053	1	HEAVY DUTY VENT TOP RAIL (FOR SWEEP LATCHES)	6063-T6	-
5C.1	ES1053A	1	HEAVY DUTY VENT TOP RAIL (FOR SWEEP LATCHES)	6063-T6	ALTERNATE TO 5C
6	ES1006	1	VENT BOTTOM RAIL	6063-T6	-
7	ES1007	2	VENT SIDE RAIL	6063-T6	-
8	ES1103	AS REQD.	GLAZING BEAD	6063-T6	-
9	ES1009	2/ VENT	SPRING LOADED VENT LATCH	6063-T5	AT 12" FROM EACH END
9A	-	2/ VENT	SWEEP LATCH	ZAMAK	AT 12" FROM EACH END
9B	#8 X 1"	2/ LATCH	LATCH INSTALLATION SCREWS	-	FH SMS
10	ES1104	AS REQD.	GLAZING GASKET	NEOPRENE	-
11	#8 SMS	20/ WDW.	FRAME & VENT ASSEMBLY SCREWS	-	#8 X 1" P.H.
12	ES1012	1/ LATCH	LATCH SPRING	ST. STEEL	-
13	-	2/ VENT	BLOCK & TACKLE BALANCES	-	SERIES 120 BY BSI
14	103F	1/ BALANCE	BALANCE TOP GUIDE	NYLON	BY BSI (NOT SHOWN)
15	110F	1/ BALANCE	BALANCE BOTTOM GUIDE	NYLON	BY BSI
16	135	1/ BALANCE	BALANCE TERMINAL CLIP	ST. STEEL	(NOT SHOWN)
17	121	2	BALANCE TAKE OUT CLIP	PLATED STEEL	-
18	ES1011	2/ VENT	SASH CAM	CELCON	-
19	W23211NG	AS REQD.	VENT & FIXED RAIL W'STRIPPING	-	ULTRAFAB OR EQUIV.
20	Q300X190	AS REQD.	FRAME SILL W'STRIPPING	-	Q-LON2
21	-	1	SCREEN (OPTIONAL)	-	5/16" BOX
22	ES1013-1	2	SASH STOP	-	-
23	ES1505	-	FLUSH FRAME ADAPTER	6063-T6	OPTIONAL
24	27-372	2/ LITE	SETTING BLOCK, 7/16" X 3/16" X 3-1/2" LONG	EPDM	DUROMETER 75±5 SHORE A



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 15-012907
 Expiration Date 8/11/20
 By Ishag L. Hamid
 Manual Product Control

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

AUG 0 2015

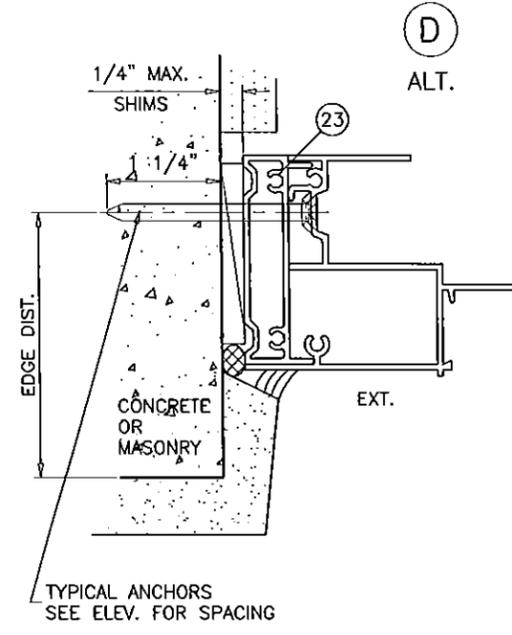
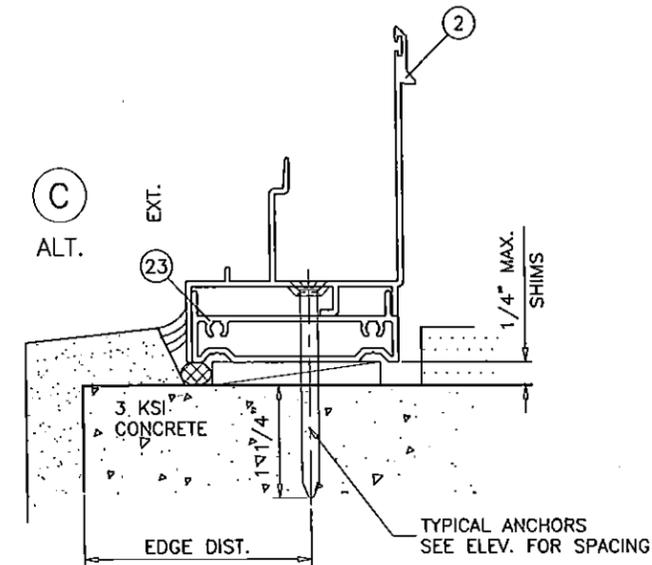
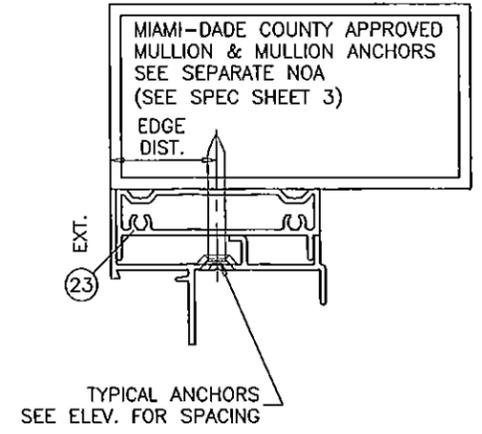
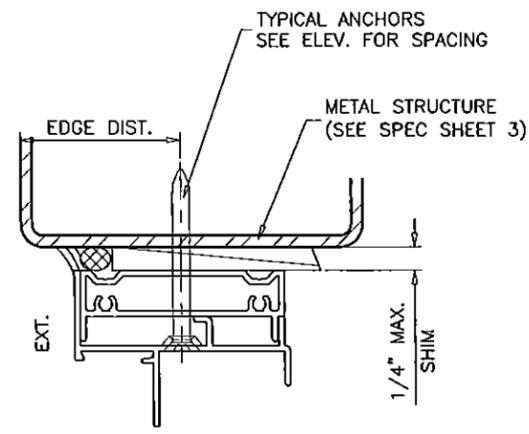
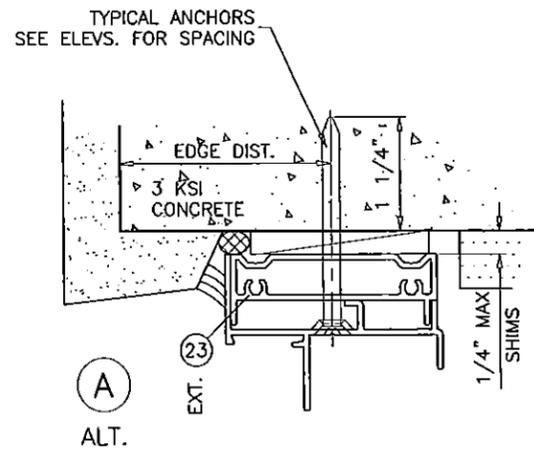
af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6878
 COMP-ANL\W05-20ESW

SERIES-1100 ALUM SINGLE HUNG WINDOW (S.M.I.)
E.S. WINDOWS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL. 33142
 TEL (305) 638-5151 FAX. (305) 638-5158

NO	DATE	BY	DESCRIPTION
C	03.12.10		NO CHANGE THIS SHEET
D	04.02.12		NO CHANGE THIS SHEET
E	10.23.14		UPDATED TO 2014 FBC
F	07.20.15		REV. PER PER COMMENTS

date: 04-28-05
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W05-20
 sheet 4 of 6



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0129.07
Expiration Date 8/11/20
By Ishtaq I. Khan
Miami Dade Product Control

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

AUG 04 2015

INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER

af c

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W05-20ESW

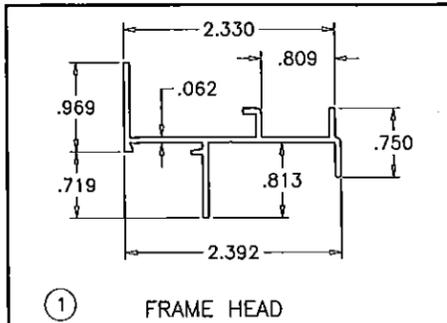
SERIES-1100 ALUM SINGLE HUNG WINDOW (S.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL (305) 638-5151 FAX (305) 638-5158

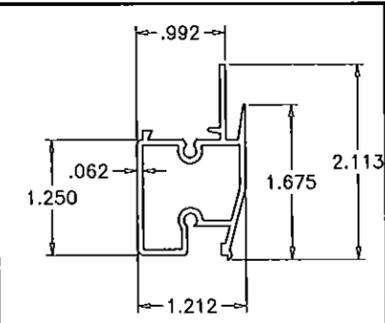
no	date	by	description
C	03.12.10	REV. PER BCCO COMMENTS	
D	04.02.12	NO CHANGE THIS SHEET	
E	10.23.14	NO CHANGE THIS SHEET	
F	07.20.15	REV. PER PER COMMENTS	

date: 04-26-05
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

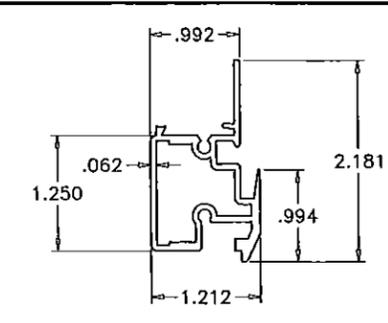
drawing no.
W05-20
sheet 5 of 6



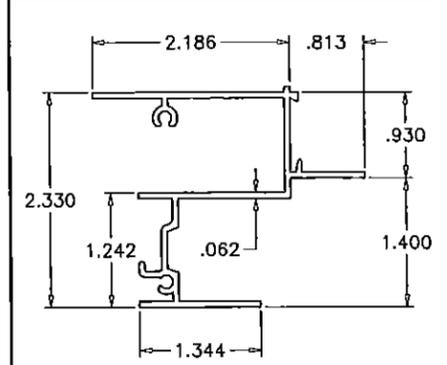
① FRAME HEAD



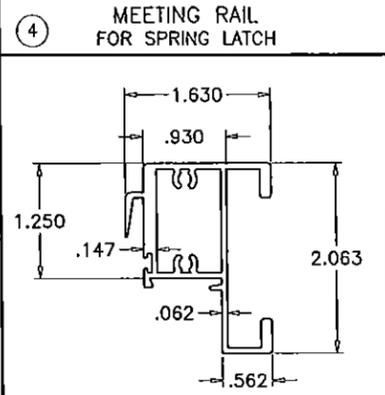
④ MEETING RAIL FOR SPRING LATCH



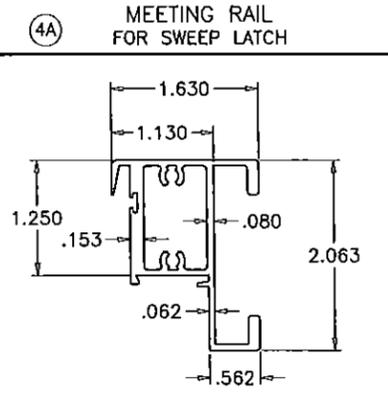
④A MEETING RAIL FOR SWEEP LATCH



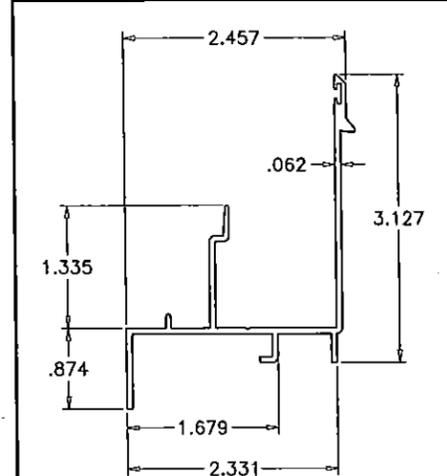
③ FRAME JAMB



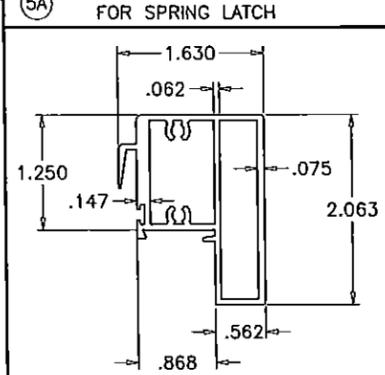
⑤A H.D. VENT TOP RAIL FOR SPRING LATCH



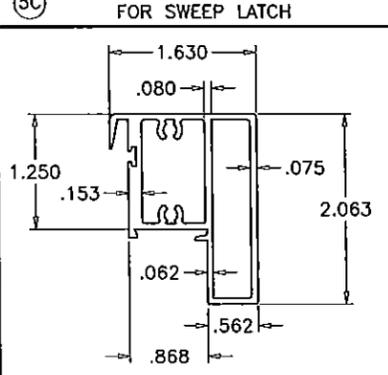
⑤C H.D. VENT TOP RAIL FOR SWEEP LATCH



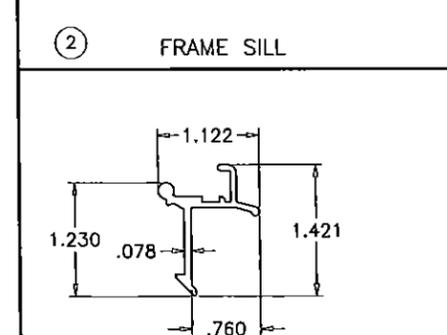
② FRAME SILL



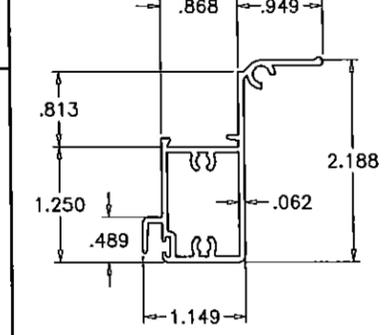
⑤A.1 H.D. VENT TOP RAIL FOR SPRING LATCH



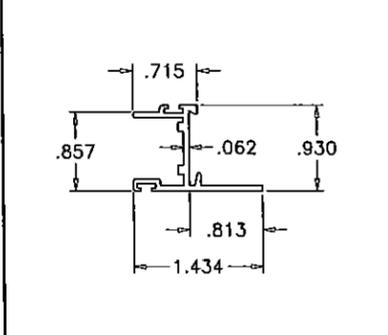
⑤C.1 H.D. VENT TOP RAIL FOR SWEEP LATCH



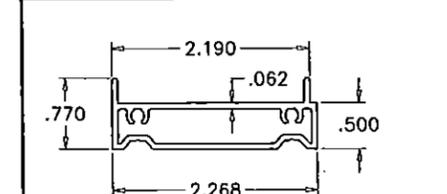
⑨ VENT LATCH



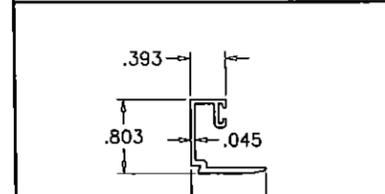
⑥ VENT BOTTOM RAIL



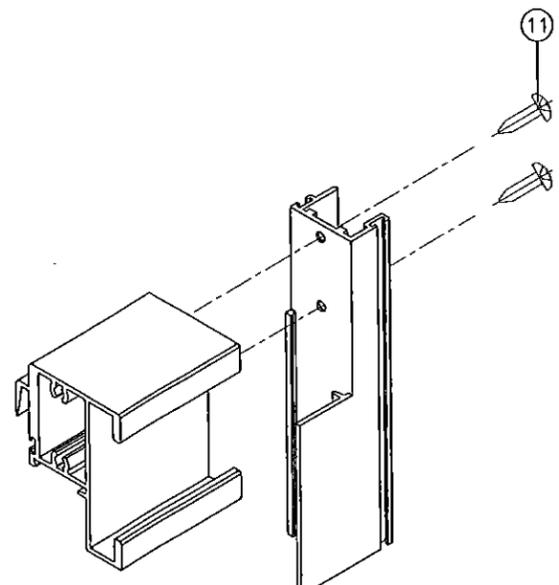
⑦ VENT SIDE RAIL



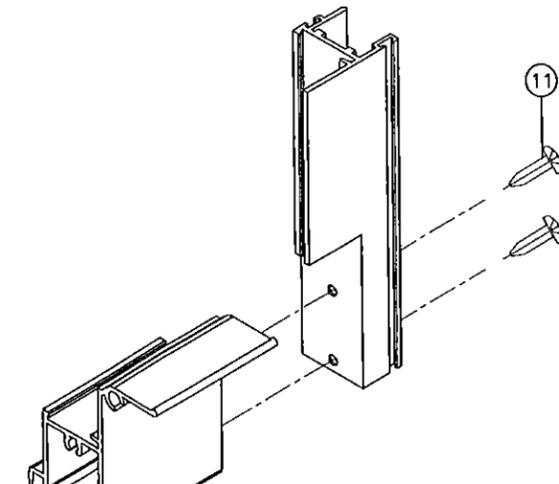
⑳ FLUSH FRAME ADAPTER



⑧ GLAZING BEAD



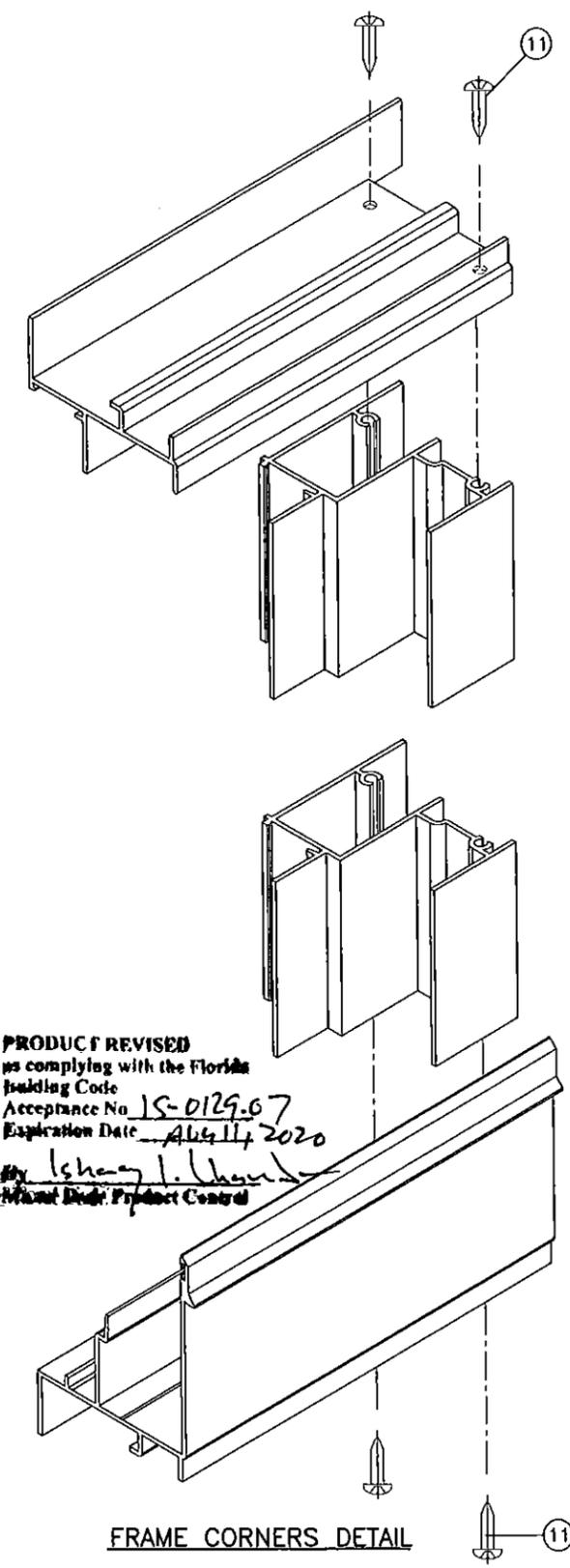
VENT CORNER DETAIL



FRAME CORNERS DETAIL

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 AUG 9 2015

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 15-0129-67
 Expiration Date: 11/14/2020
 by Ismay I. [Signature]
 Miami Desk 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\W05-20ESW

SERIES-1100 ALUM SINGLE HUNG WINDOW (S.M.I.)
E.S. WINDOWS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL. 33142
 TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	description
C	03.12.10	NO CHANGE THIS SHEET
D	04.02.12	NO CHANGE THIS SHEET
E	10.23.14	UPDATED TO 2014 FBC
F	07.20.15	REV. PER RER COMMENTS

date: 04-26-05
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W05-20

sheet 6 of 6