



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

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

**NOTICE OF ACCEPTANCE (NOA)**

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

**ES Windows, LLC**  
**10653 N.E. Quaybridge Ct.**  
**Miami, FL 33138**

**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 "1000WW" Aluminum Single Hung Window – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **W12-34**, titled "Series-1000WW Alum. Single Hung Window (L.M.I)", sheets 1 through 11 of 11, dated 06/27/12, with revision B dated 12/05/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 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 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*  
*12/10/12*

NOA No. 12-0820.05  
Expiration Date: December 13, 2017  
Approval Date: December 13, 2012  
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **W12-34**, titled "Series-1000WW Alum Single Hung Window (L.M.I.)" sheets 1 through 11 of 11, dated 06/27/12, with revision B dated 12/05/12, 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) Small Missile Impact Test per FBC, TAS 201-94
  - 6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 7) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
  - 8) Safety Performance Test, (class A) per ANSI Z97.1

along with marked-up drawings and installation diagram of aluminum single hung window over fixed window, single and mullied units, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL-6800**, dated 05/18/12, signed and sealed by Marlin D. Brinson, 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.) Large Missile Impact Test per FBC, TAS 201-94
  - 5.) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6.) Forced Entry Test, Test per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of an Aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL-5337** and **FTL-5815**, dated 01/25/08 and 02/13/09, both signed and sealed by Michael R. Wenzel, P.E.

*(For Reference Only - Submitted under NOA's No. 07-0928.14 and 09-1008.05)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2010, dated 06/28/12 and 11/28/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E1300-04



Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 12-0820.05

Expiration Date: December 13, 2017

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**ES 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. **11-0624.01** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 09/08/11, 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.

**F. STATEMENTS**

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated July 6, 2012, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Proposal issued by Product Control Section, dated 12/12/11, signed by Jaime Gascon, P.E.

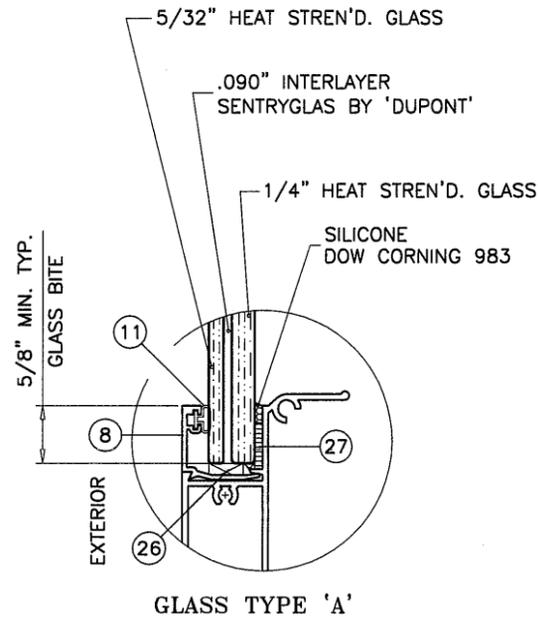
**G. OTHER**

1. Notice of Acceptance No. **12-0223.42**, issued to ES Windows, LLC, for their Series "1000/1050 Aluminum Single Hung Window – L.M.I.", approved on 05/17/12 and expiring on 11/06/13.

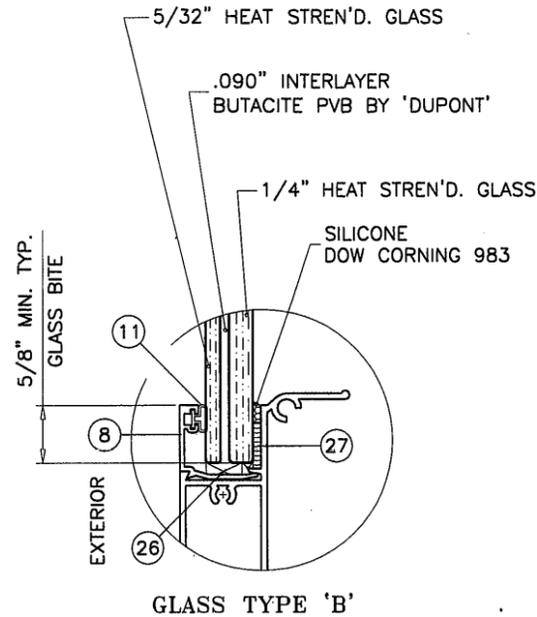


Manuel Perez, P.E.  
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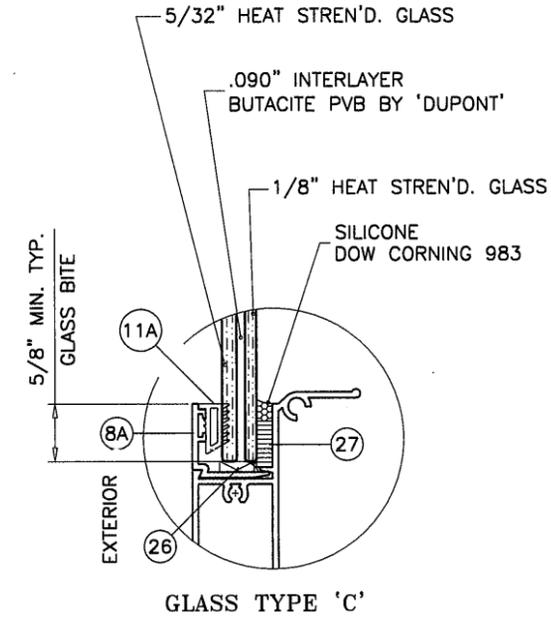
Expiration Date: December 13, 2017  
Approval Date: December 13, 2012



GLASS TYPES 'A'  
 MAXIMUM DESIGN LOAD RATING = + 100.0 PSF  
 - 115.0 PSF



GLASS TYPE 'B'  
 MAXIMUM DESIGN LOAD RATING = + 90.0 PSF  
 - 90.0 PSF



GLASS TYPE 'C'  
 MAXIMUM DESIGN LOAD RATING = + 80.0 PSF  
 - 90.0 PSF

GLAZING OPTIONS

SERIES-1000WW ALUMINUM SINGLE HUNG WINDOW

THESE WINDOWS CAN BE INSTALLED AS SINGLE UNITS OR SIDE BY SIDE COMBINATION OF TWO OR MORE UNITS USING MULLIONS IN BETWEEN. FOR SINGLE HUNG WINDOW CAPACITY SEE SHEET 2. FOR SINGLE HUNG OVER FIXED WINDOW CAPACITY SEE SHEET 3. FOR SIDE BY SIDE UNITS SEE SHEET 4 FOR WINDOW MULLION CAPACITY. LOWER DESIGN PRESSURES FROM CHARTS ABOVE 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).

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.

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

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

Engr: JAVAD AHMAD  
 CIVIL  
 FLA. PE # 70592  
 C.A.N. 3538  
 DEC 05 2012

Approved as complying with the  
 Florida Building Code  
 Date DEC. 13, 2012  
 NOA# 12-0820.05  
 Miami Dade Product Control  
 By: *Manuel Perez*

**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\W12-34ESW

SERIES-1000WW ALUM SINGLE HUNG WINDOW (L.M.I.)  
**E.S. WINDOWS, LLC**  
 5220 N.W. 72 AVE. BAY #4  
 MIAMI, FL. 33166  
 TEL. (305) 624-7775 FAX. (305) 624-7777

no	date	by	description
A	08.29.12		NO CHANGE THIS SHEET
B	12.05.12		NO CHANGE THIS SHEET

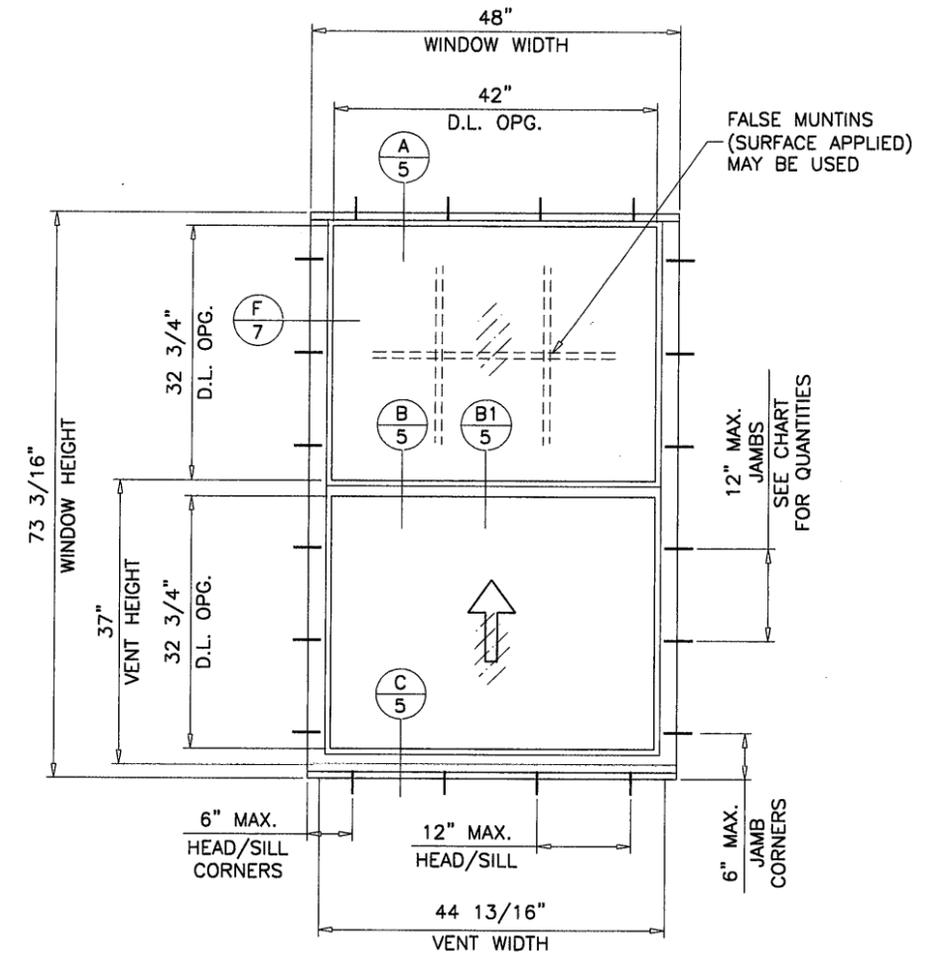
date: 06-27-12  
 scale: 1/2"=1'-0"  
 dr. by: HAMID  
 chk. by:

drawing no.  
**W12-34**  
 sheet 1 of 11

INSTRUCTIONS:  
 SEE SHEET 1 FOR GLASS TYPES AND DESIGN LOAD CAPACITY.  
 SEE CHART BELOW FOR SINGLE HUNG WINDOW ANCHOR CAPACITY.  
 LOWER VALUES FROM THESE CHARTS WILL APPLY TO ENTIRE SYSTEM.

SINGLE HUNG WINDOW ANCHOR LOAD CAPACITY - PSF							
WINDOW DIMS.		ANCHORS TYPE 'A'				TYPE 'C'	
		3/8" MAX. SHIM		1/2" MAX. SHIM		1/2" MAX. SHIM	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	38-3/8" (4)	100.0	115.0	100.0	115.0	100.0	115.0
26-1/2"		100.0	115.0	100.0	115.0	100.0	115.0
30"		100.0	115.0	100.0	115.0	100.0	115.0
37"		100.0	115.0	100.0	115.0	100.0	115.0
42"		100.0	115.0	100.0	115.0	100.0	115.0
48"		100.0	115.0	100.0	115.0	100.0	115.0
19-1/8"	50-5/8" (5)	100.0	115.0	100.0	115.0	100.0	115.0
26-1/2"		100.0	115.0	100.0	115.0	100.0	115.0
30"		100.0	115.0	100.0	115.0	100.0	115.0
37"		100.0	115.0	100.0	115.0	100.0	115.0
42"		100.0	115.0	100.0	115.0	100.0	115.0
48"		100.0	115.0	100.0	115.0	100.0	115.0
19-1/8"	63" (6)	100.0	115.0	100.0	115.0	100.0	115.0
26-1/2"		100.0	115.0	100.0	115.0	100.0	115.0
30"		100.0	115.0	100.0	115.0	100.0	115.0
37"		100.0	115.0	100.0	115.0	100.0	115.0
42"		100.0	115.0	100.0	115.0	100.0	115.0
48"		100.0	115.0	100.0	112.5	100.0	115.0
19-1/8"	72" (6)	100.0	115.0	100.0	115.0	100.0	115.0
26-1/2"		100.0	115.0	100.0	115.0	100.0	115.0
30"		100.0	115.0	100.0	115.0	100.0	115.0
37"		100.0	115.0	100.0	115.0	100.0	115.0
42"		100.0	115.0	100.0	115.0	100.0	115.0
48"		100.0	115.0	100.0	107.1	100.0	115.0

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



TYPICAL ELEVATION

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

TYPE 'A' - **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  
 1-1/2" MIN. EMBED INTO CONCRETE OR MASONRY  
 DIRECTLY INTO CONCRETE OR MASONRY  
 1-1/2" MIN. EMBED INTO CONCRETE  
 1-1/4" MIN. EMBED INTO MASONRY

TYPE 'C' - **#14 SELF DRILLING SCREWS** (GRADE 5 CRS)  
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")  
 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)

**Ed = ANCHOR 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.

Engr: JAVAD AHMAD  
 CIVIL  
 FLA. PE # 70592  
 C.A.N. 3538  
 DEC 05 2012

Approved as complying with the  
 Florida Building Code  
 Date DEC 13 2012  
 NOA# 17-0820-05  
 Miami Dade Product Control  
 By Manuel Perez

**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\W12-34ESW

SERIES-1000W ALUM SINGLE HUNG WINDOW (L.M.I.)  
**E.S. WINDOWS, LLC**  
 5220 N.W. 72 AVE. BAY #4  
 MIAMI, FL. 33166  
 TEL. (305) 624-7775 FAX. (305) 624-7777

revisions:	no	date	description
	A	08.29.12	LATCH OPTION ADDED
	B	12.05.12	JAMB ANCHOR QUANTITY REV.

date:	06-27-12
scale:	1/2" = 1'-0"
dr. by:	HAMID
chk. by:	

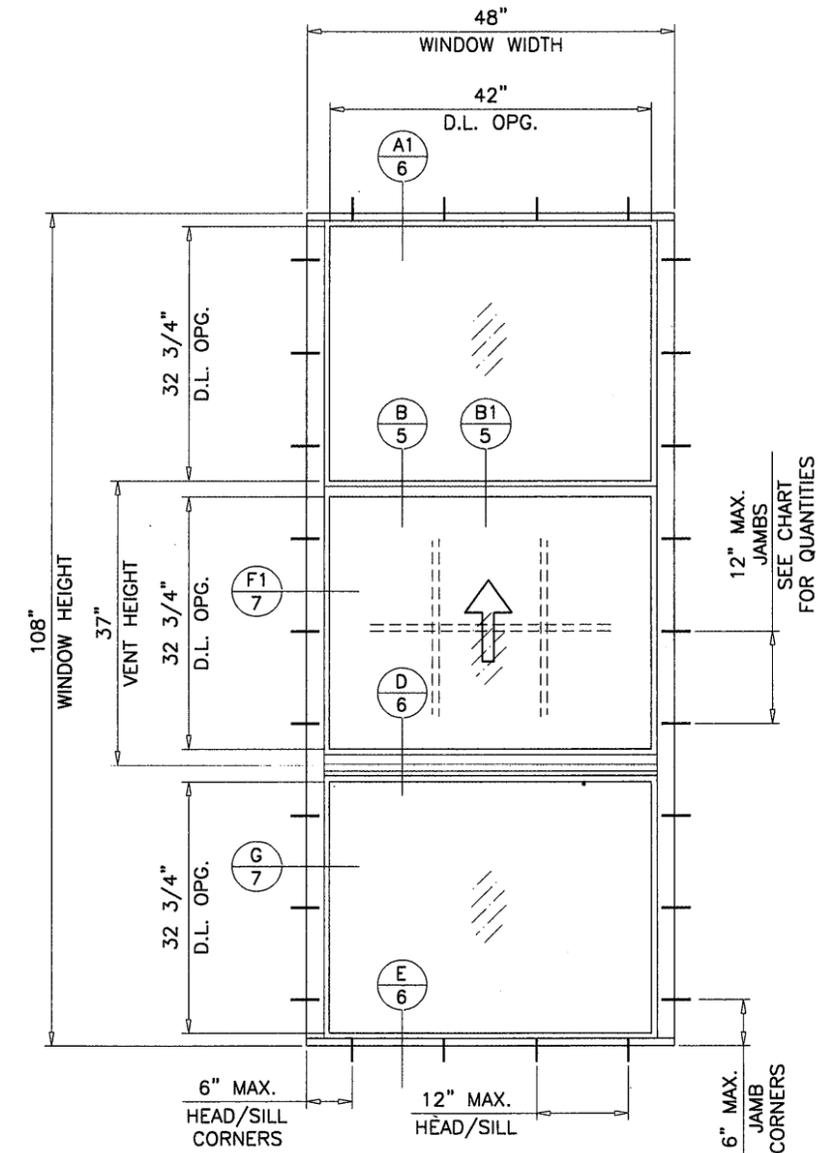
  

drawing no.	W12-34
sheet	2 of 11

**INSTRUCTIONS:**  
 SEE SHEET 1 FOR GLASS TYPES AND DESIGN LOAD CAPACITY.  
 SEE CHART BELOW FOR S.H. OVER FIXED WINDOW ANCHOR CAPACITY.  
 LOWER VALUES FROM THESE CHARTS WILL APPLY TO ENTIRE SYSTEM.

SINGLE HUNG OVER FIXED WINDOW ANCHOR LOAD CAPACITY - PSF							
WINDOW DIMS.		ANCHORS TYPE 'A'				TYPE 'C'	
		3/8" MAX. SHIM		1/2" MAX. SHIM		1/2" MAX. SHIM	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
36"	60"	100.0	115.0	100.0	115.0	100.0	115.0
42"		100.0	115.0	100.0	115.0	100.0	115.0
45" (5)		100.0	115.0	100.0	115.0	100.0	115.0
48"		100.0	115.0	100.0	115.0	100.0	115.0
36"	72"	100.0	115.0	100.0	115.0	100.0	115.0
42"		100.0	115.0	100.0	115.0	100.0	115.0
45" (6)		100.0	115.0	100.0	115.0	100.0	115.0
48"		100.0	115.0	100.0	115.0	100.0	115.0
36"	84"	100.0	115.0	100.0	115.0	100.0	115.0
42"		100.0	115.0	100.0	115.0	100.0	115.0
45" (7)		100.0	115.0	100.0	115.0	100.0	115.0
48"		100.0	115.0	100.0	115.0	100.0	115.0
36"	90"	100.0	115.0	100.0	115.0	100.0	115.0
42"		100.0	115.0	100.0	115.0	100.0	115.0
45" (8)		100.0	115.0	100.0	115.0	100.0	115.0
48"		100.0	115.0	100.0	115.0	100.0	115.0
36"	96"	100.0	115.0	100.0	115.0	100.0	115.0
42"		100.0	115.0	100.0	115.0	100.0	115.0
45" (8)		100.0	115.0	100.0	115.0	100.0	115.0
48"		100.0	115.0	100.0	112.0	100.0	115.0
36"	102"	100.0	115.0	100.0	115.0	100.0	115.0
42"		100.0	115.0	100.0	115.0	100.0	115.0
45" (9)		100.0	115.0	100.0	115.0	100.0	115.0
48"		100.0	115.0	100.0	109.1	100.0	115.0
36"	108"	100.0	115.0	100.0	115.0	100.0	115.0
42"		100.0	115.0	100.0	115.0	100.0	115.0
45" (9)		100.0	115.0	100.0	114.3	100.0	115.0
48"		100.0	115.0	100.0	107.1	100.0	115.0

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



TYPICAL ELEVATION

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING  
 TYPE 'A' - 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  
 1-1/2" MIN. EMBED INTO CONCRETE OR MASONRY  
 DIRECTLY INTO CONCRETE OR MASONRY  
 1-1/2" MIN. EMBED INTO CONCRETE  
 1-1/4" MIN. EMBED INTO MASONRY

TYPE 'C' - #14 SELF DRILLING SCREWS (GRADE 5 CRS)  
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")  
 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)

**Ed = ANCHOR 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.

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.  
 WITH MINIMUM SILL HEIGHT OF 36 IN. ABOVE WALKING SURFACE.

Engr: JAVAD AHMAD  
 CIVIL  
 FLA. PE # 70592  
 C.A.N. 3538  
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 Miami Dade Product Control  
 By: *Manuel Perez*  
 DEC 05 2012

date: 06-27-12  
 scale: 1/2" = 1'-0"  
 dr. by: HAMID  
 chk. by:  
 drawing no.  
**W12-34**  
 sheet 3 of 11

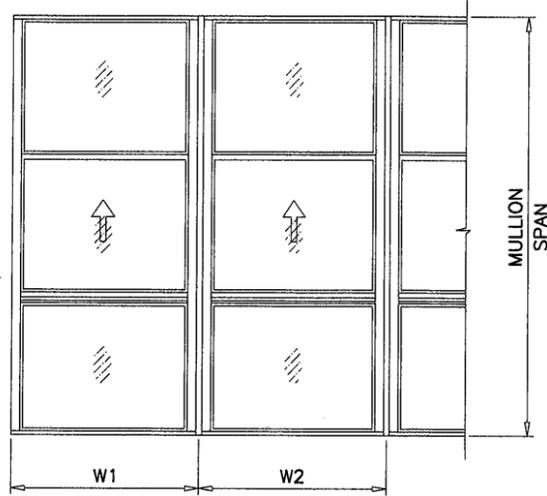
**af c**  
**AL-FAROOQ CORPORATION**  
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 COMP - ANL W12-34ESW

SERIES-1000WW ALUM SINGLE HUNG WINDOW (L.M.I.)  
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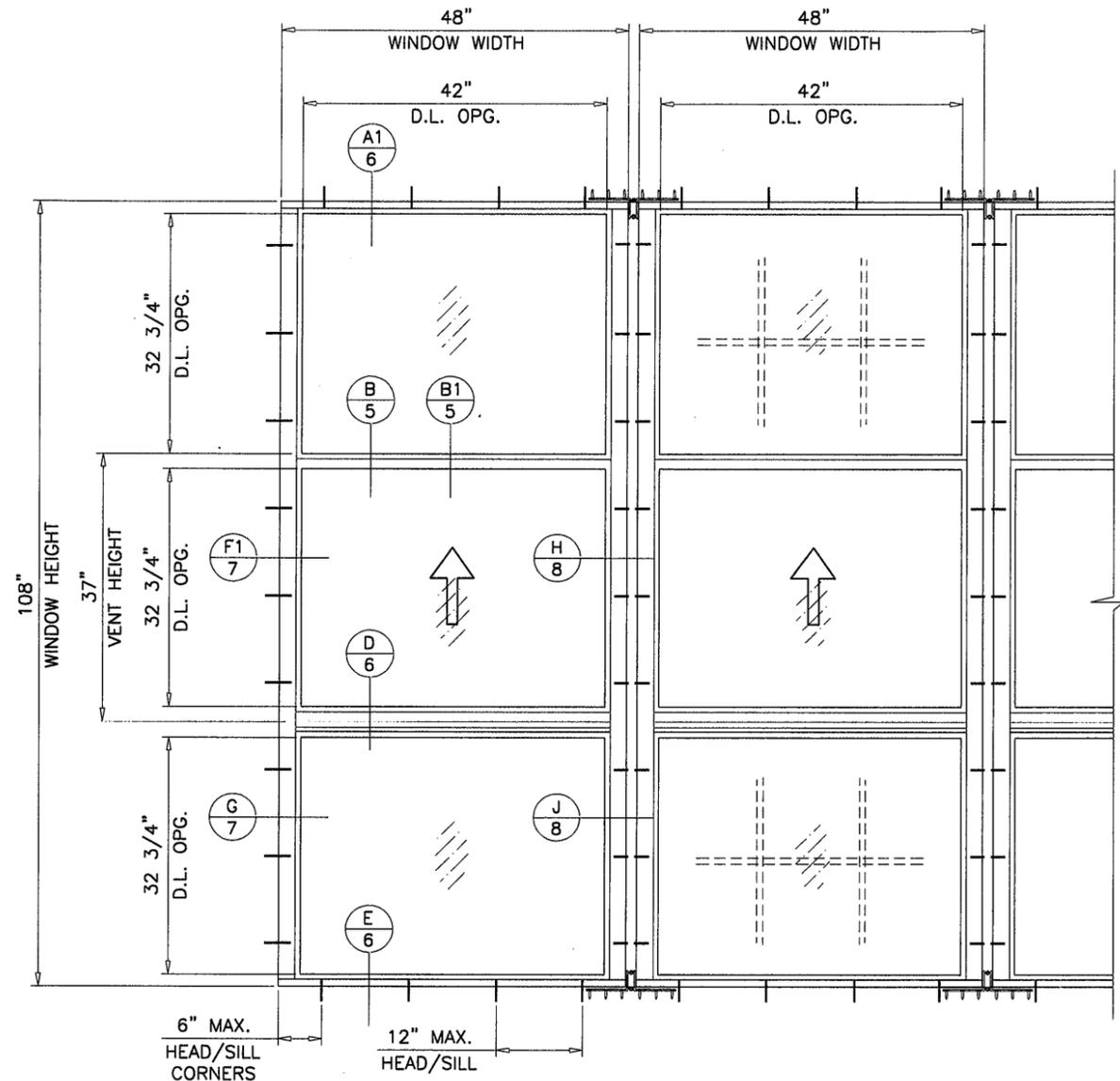
no.	date	description
A	08.29.12	LATCH OPTION ADDED
B	12.05.12	JAMB ANCHOR QUANTITY REV.

MULLION LOAD CAPACITY - PSF		
WINDOW DIMS.		6 ANCHORS @ MULL END
WIDTH (W)	MULL SPAN	EXT. (+) INT. (-)
24"	60"	115.0
30"		115.0
36"		115.0
42"		115.0
48"		115.0
24"	72"	115.0
30"		115.0
36"		115.0
42"		115.0
48"		115.0
24"	84"	115.0
30"		115.0
36"		115.0
42"		115.0
48"		115.0
24"	90"	115.0
30"		115.0
36"		115.0
42"		115.0
48"		115.0
24"	96"	115.0
30"		115.0
36"		115.0
42"		115.0
48"		115.0
24"	102"	115.0
30"		115.0
36"		115.0
42"		115.0
48"		115.0
24"	108"	115.0
30"		115.0
36"		115.0
42"		115.0
48"		115.0

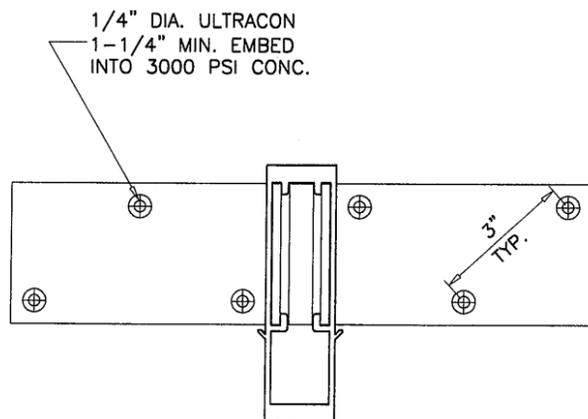
**INSTRUCTIONS:**  
 SEE SHEET 1 FOR GLASS TYPES AND DESIGN LOAD CAPACITY.  
 SEE CHART ON SHEET 3 FOR S.H. OVER FIXED WINDOW ANCHOR CAPACITY.  
 SEE CHARTS BELOW FOR WINDOW MULLION CAPACITY.  
 LOWER VALUES FROM THESE CHARTS WILL APPLY TO ENTIRE SYSTEM.



$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



TYPICAL ELEVATION  
SIDE BY SIDE UNITS



6 ANCHORS @ MULL ENDS

INSTALL CLIP ANGLES DIRECTLY TO CONC. WITHOUT SHIM SPACE  
 NOTCH WOOD BUCKS TO ACCOMMODATE CLIP ANGLES

**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\W12-34ESW

SERIES-1000W ALUM SINGLE HUNG WINDOW (L.M.I.)  
**E.S. WINDOWS, LLC**  
 5220 N.W. 72 AVE. BAY #4  
 MIAMI, FL. 33166  
 TEL. (305) 624-7775 FAX. (305) 624-7777

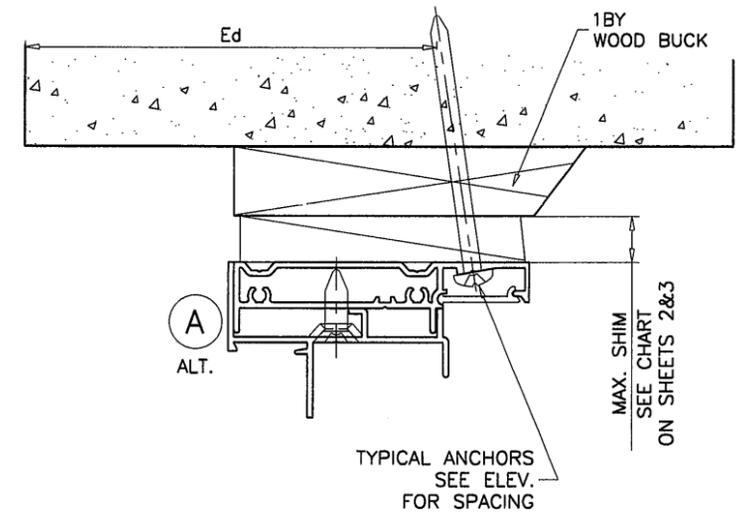
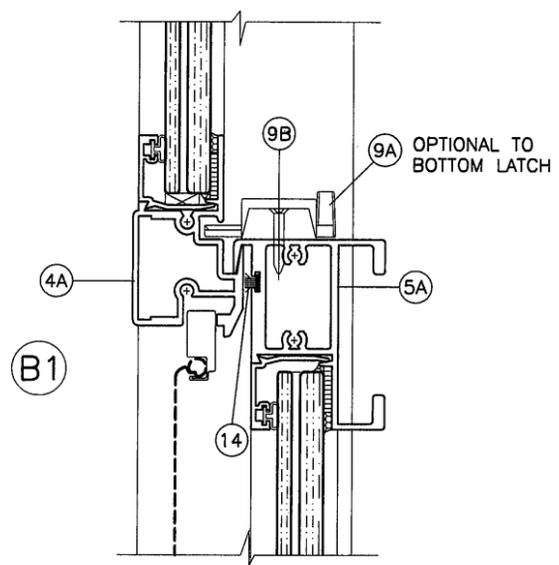
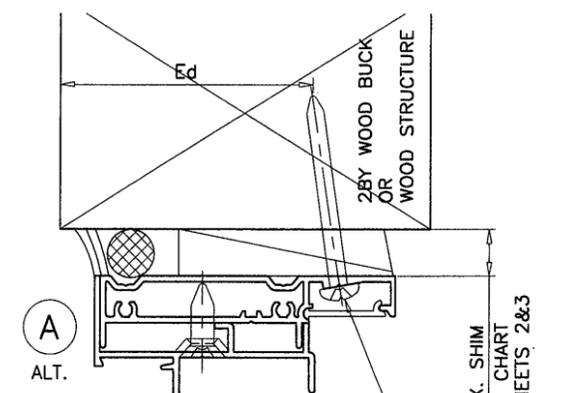
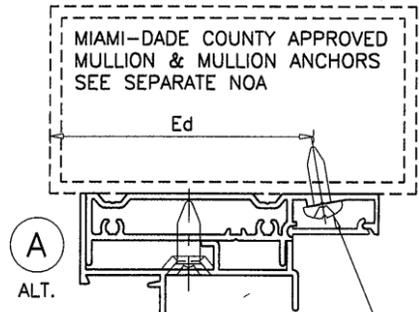
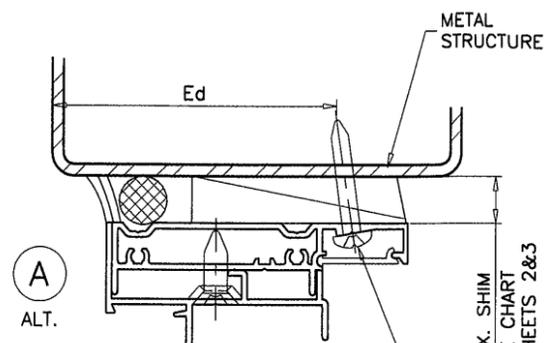
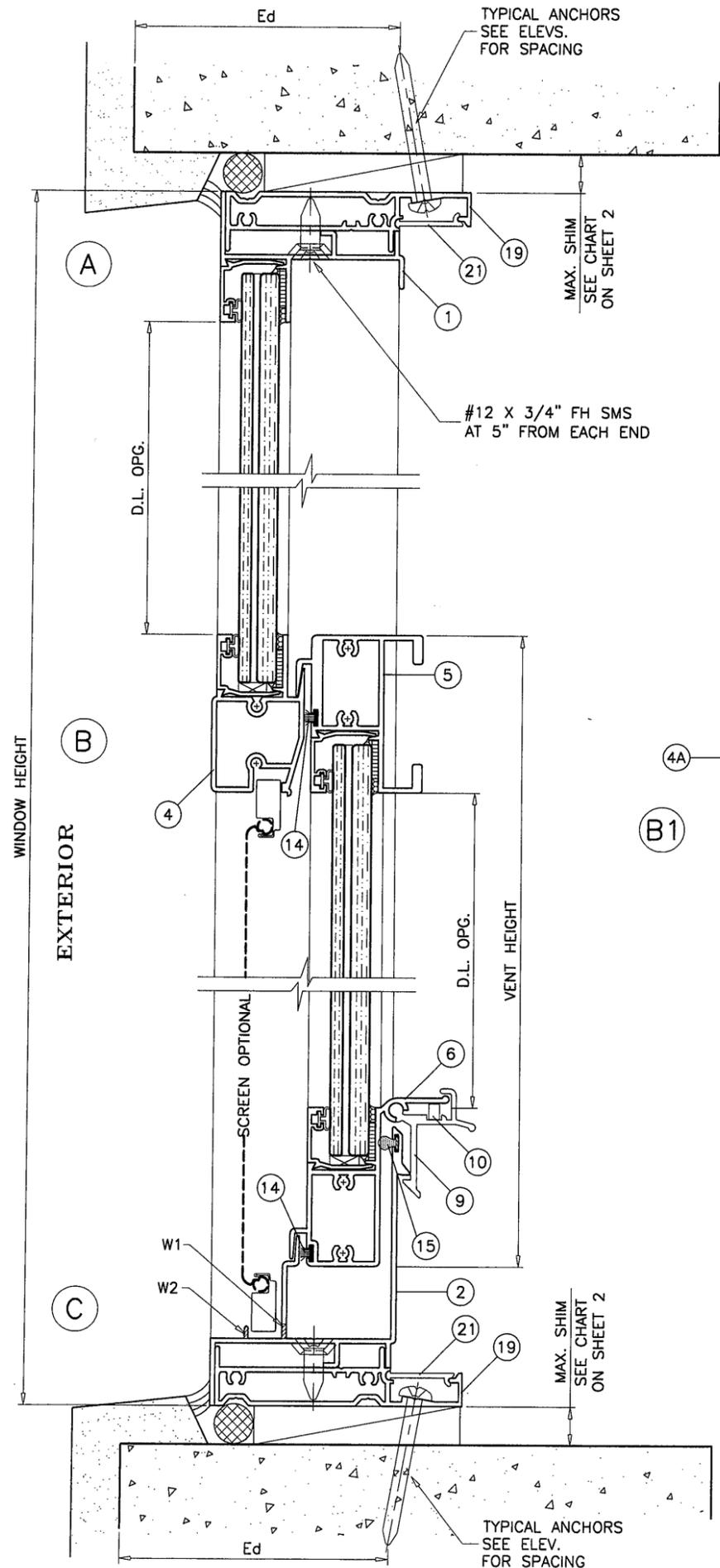
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	B	12.05.12		NO CHANGE THIS SHEET

date: 06-27-12	scale: -	dr. by: HAMID	chk. by:
drawing no. W12-34			
sheet 4 of 11			

Engr: JAVAD AHMAD  
 CIVIL  
 FLA. PE # 70592  
 C.A.N. 3538  
 DEC 05 2012

Approved as complying with the  
 Florida Building Code  
 Date DEC 13, 2012  
 NOA# 12-0820.05  
 Miami Dade Product Control  
 By Manuel Perez



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

**WEEPHOLES:**

W1 = 1-1/2" X 3/16" WEEPHOLES AT 4" FROM EACH END  
 W2 = 1-5/16" NOTCH AT EACH END

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 Miami Dade Product Control  
 By: *Manuel Perez*

**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\W12-34ESW

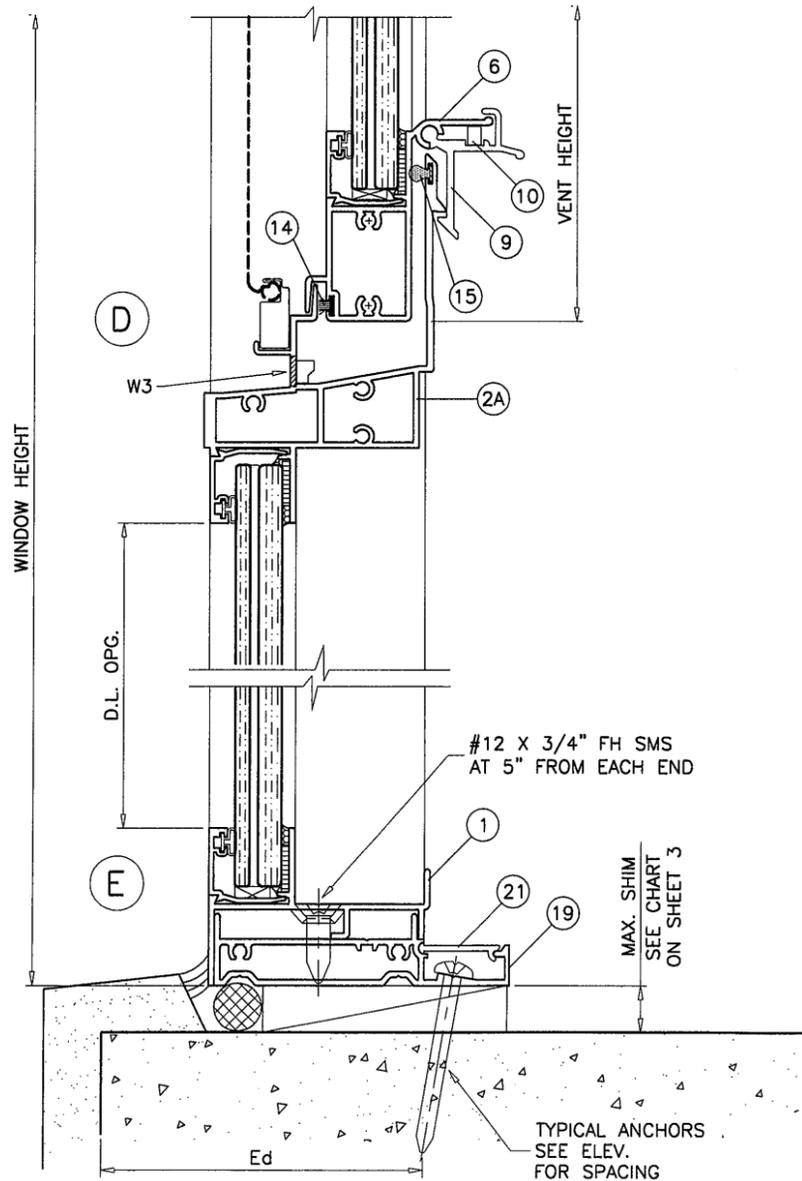
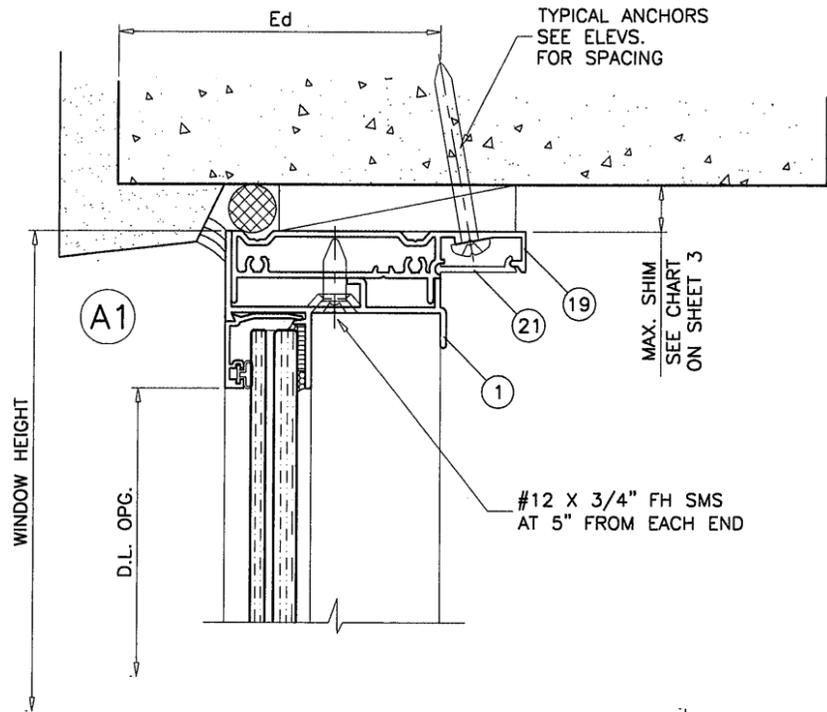
SERIES-100WW ALUM SINGLE HUNG WINDOW (L.M.I.)  
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revisions:

no	date	description
A	08.29.12	LATCH OPTION ADDED
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 dr. by: HAMID  
 chk. by:

drawing no.  
**W12-34**  
 sheet 5 of 11



**WEEPHOLES:**

W3 = 5/16" WEEPHOLES AT 6" FROM EACH END WITH PLASTIC BAFFLE

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 FLA. PE # 70592  
 C.A.N. 3538

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 Manual Control

By *Mamuel Perez*

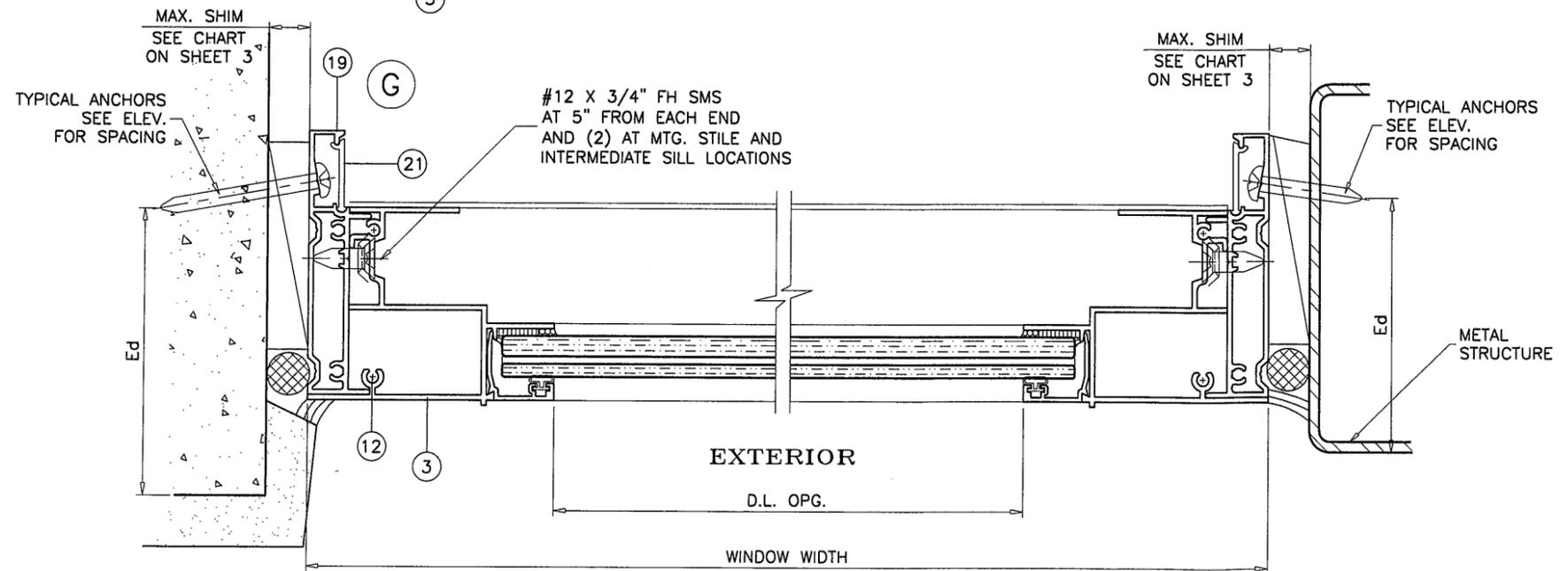
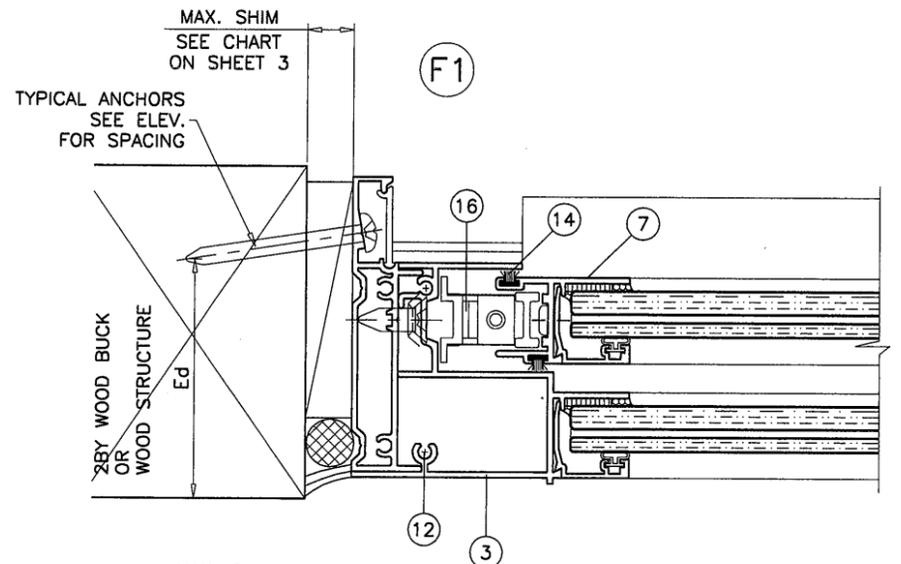
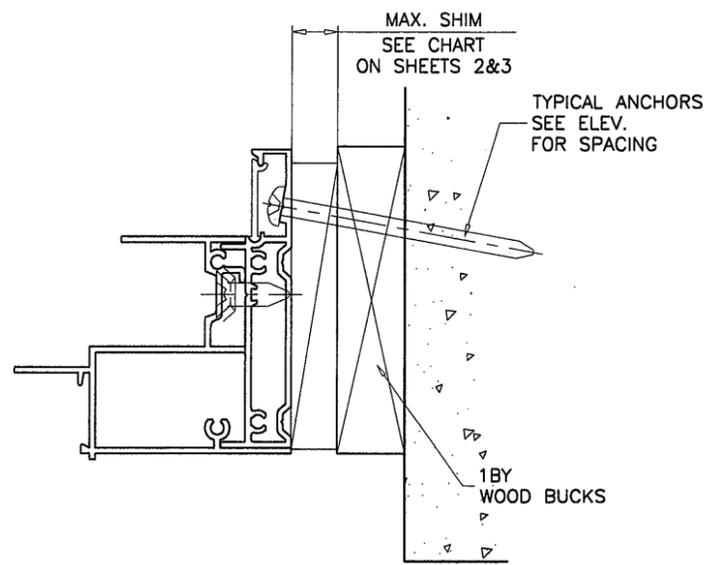
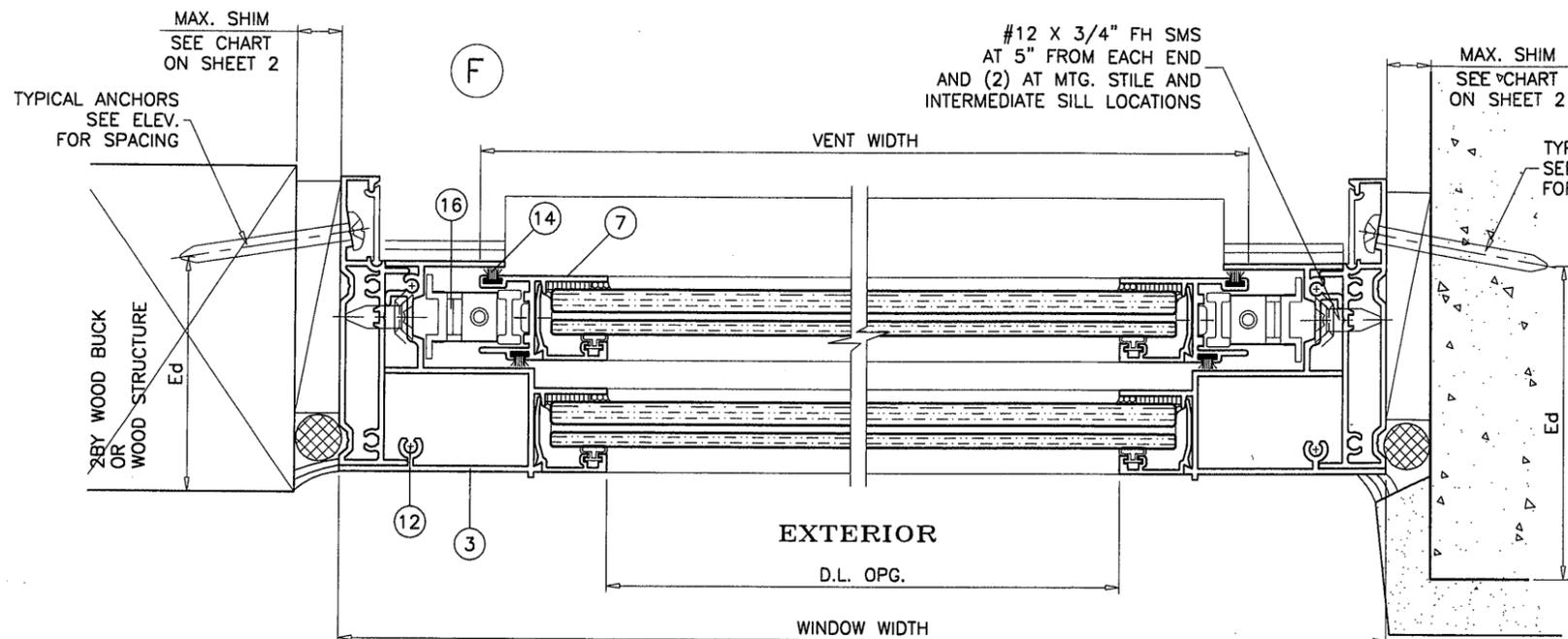
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**AL-FAROOQ CORPORATION**  
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 chk. by:

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 sheet 6 of 11



Engr: JAVAD AHMAD  
 CIVIL  
 FLA. PE # 70592  
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*[Signature]*  
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 By: *[Signature]*

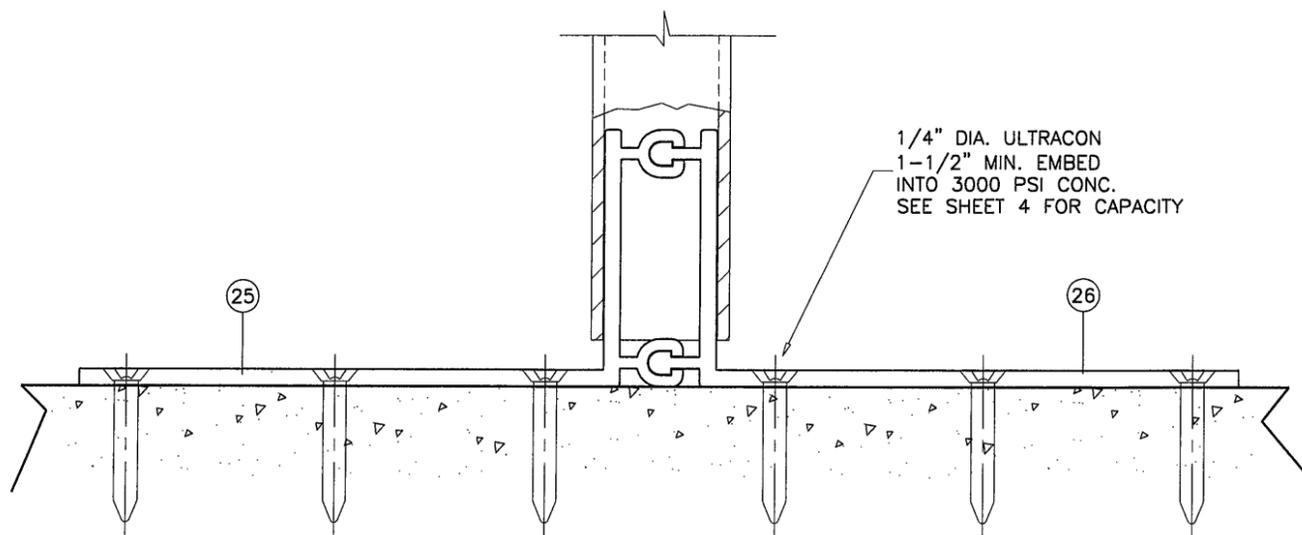
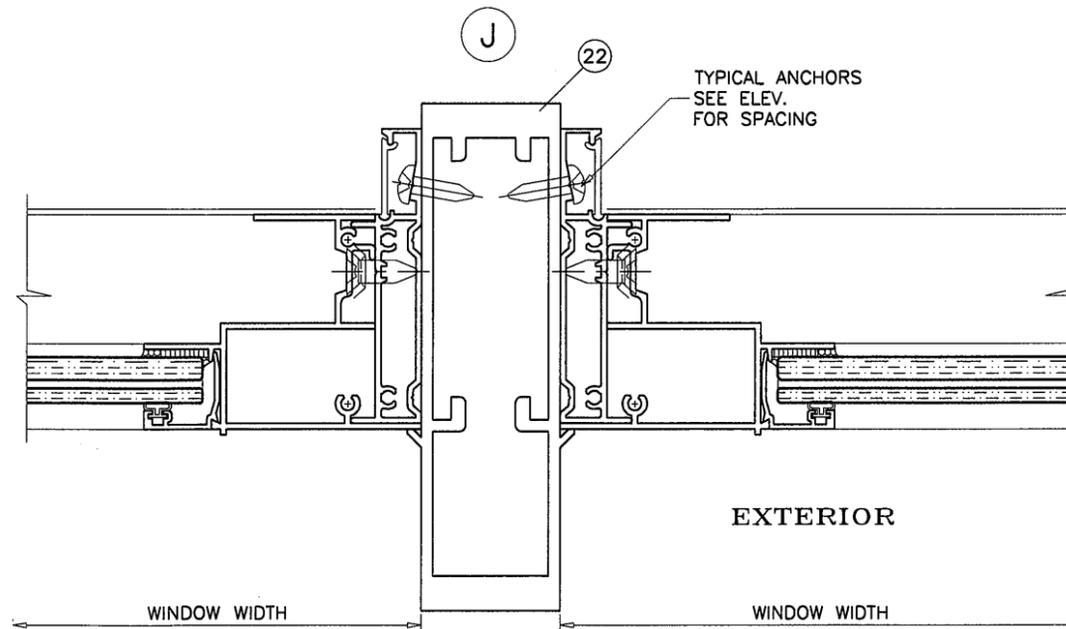
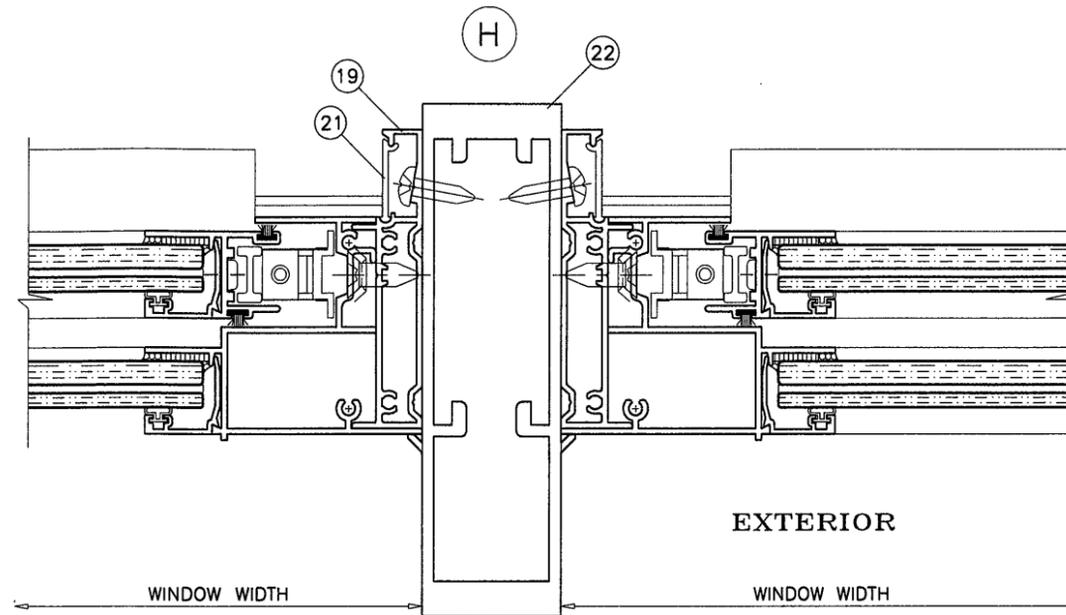
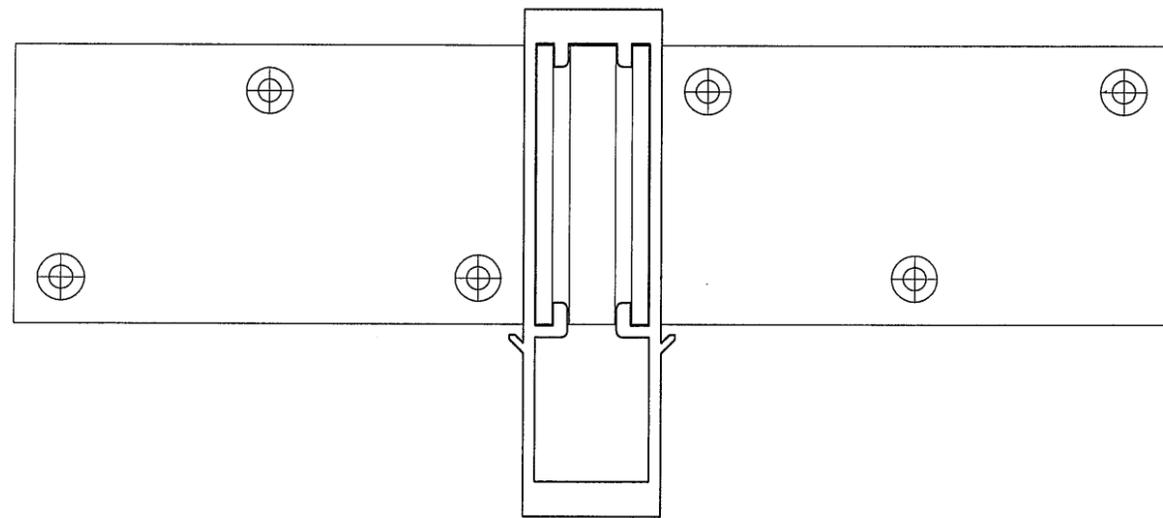
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 sheet 7 of 11



Engr: JAVAD AHMAD  
 CIVIL  
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 C.A.N. 3538

DEC 05 2012

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 NOA# 12-0820-03  
 Miami Dade Product Control

By: *Manuel Perez*

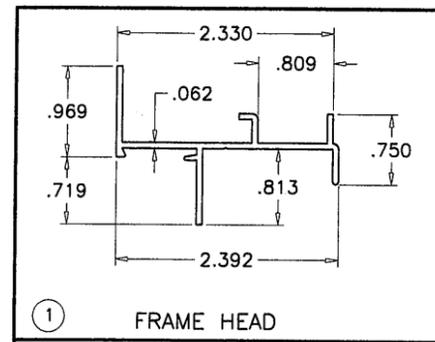
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**AL-FAROOQ CORPORATION**  
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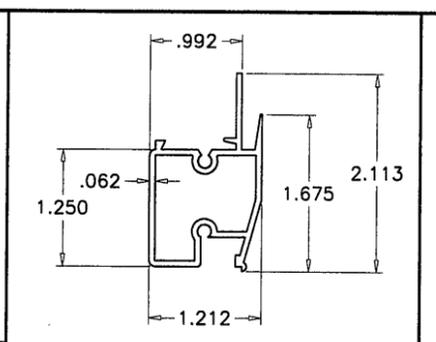
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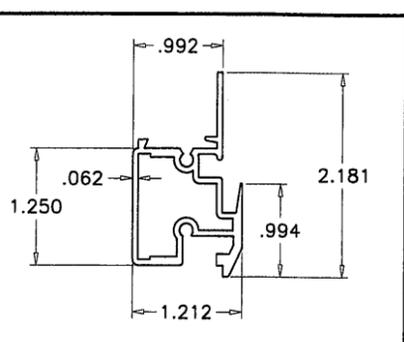
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**W12-34**  
 sheet 8 of 11



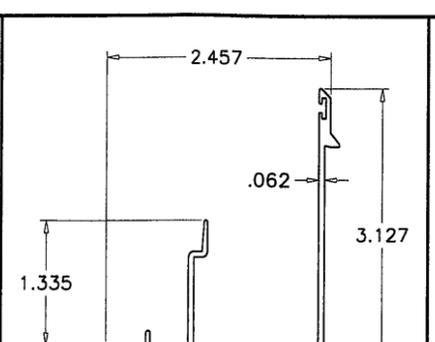
① FRAME HEAD



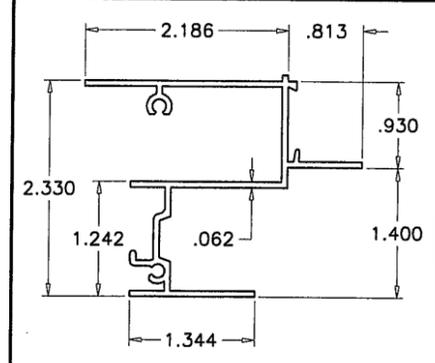
④ MEETING RAIL FOR SPRING LATCH



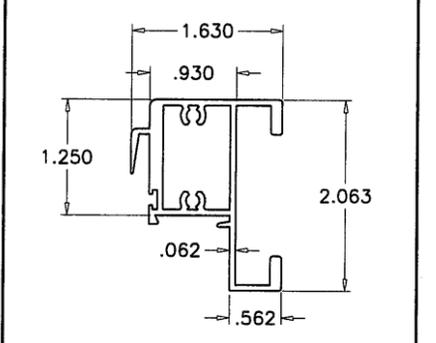
④A MEETING RAIL FOR SWEEP LATCH



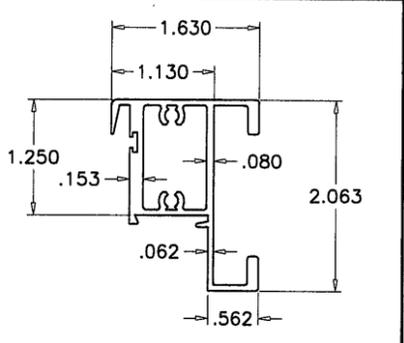
② FRAME SILL



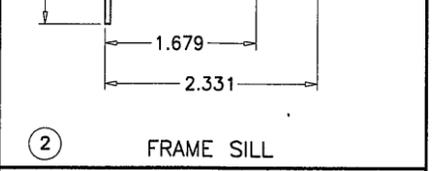
③ FRAME JAMB



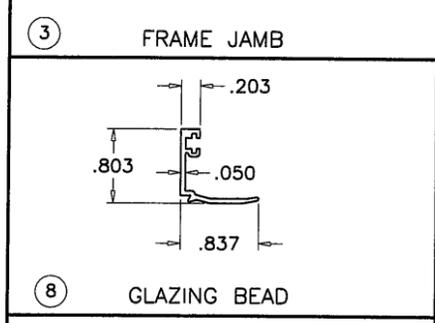
⑤ VENT TOP RAIL FOR SPRING LATCH



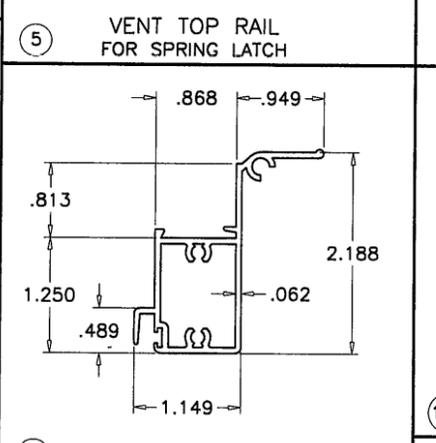
⑤A VENT TOP RAIL FOR SWEEP LATCH



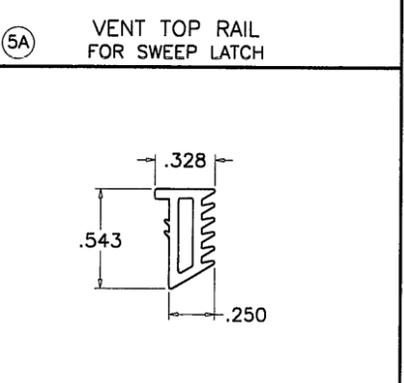
②A FRAME SILL (INTERMEDIATE)



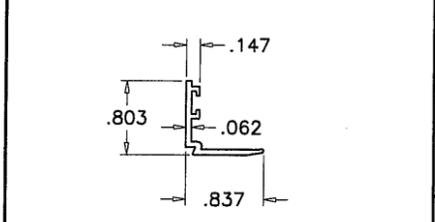
⑧ GLAZING BEAD



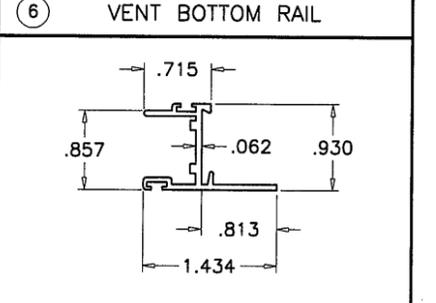
⑥ VENT BOTTOM RAIL



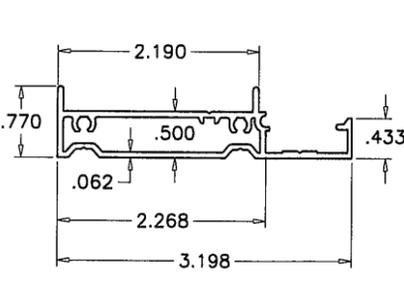
⑪A GLAZING WEDGE SCALE 1:1



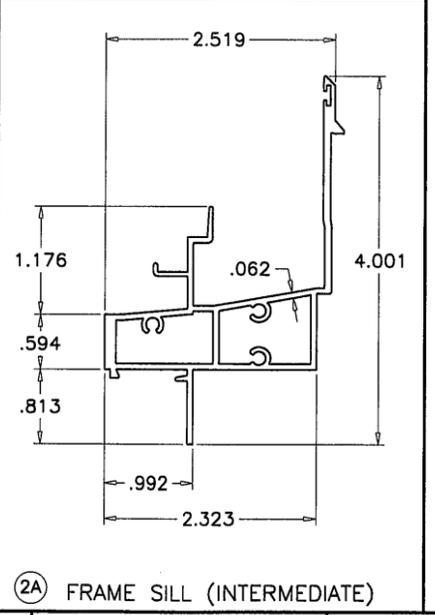
⑧A GLAZING BEAD



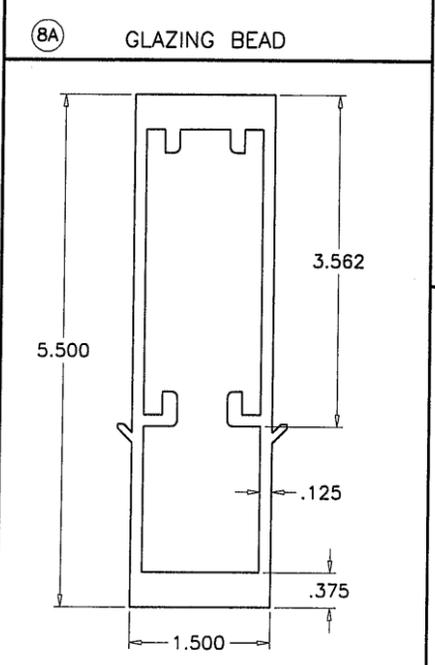
⑦ VENT SIDE RAIL



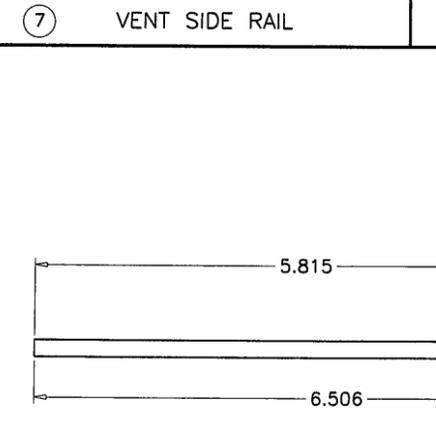
⑱ FLUSH FRAME ADAPTER



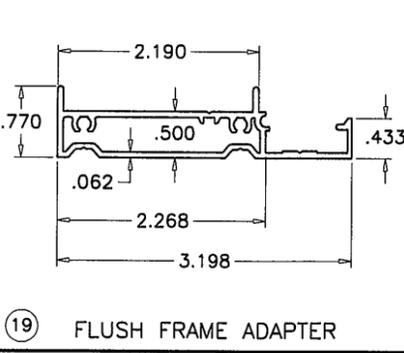
⑳ ADAPTER COVER



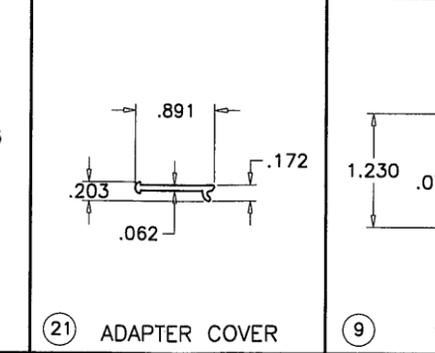
⑳ MULLION



⑳ MULLION CLIP (FEMALE)



⑨ VENT LATCH



⑳ MULLION CLIP (MALE)

**SEALANT:**

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SCHNEE MOREHEAD SEAM SEALER SM5504.

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538  
  
DEC 05 2012

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Miami Dade Product Control  
By Manuel Perez

**af c**  
**AL-FAROOQ CORPORATION**  
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SERIES-1000WW ALUM SINGLE HUNG WINDOW (L.M.I.)  
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drawing no.  
**W12-34**  
sheet 9 of 11

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ES1001	1	FRAME HEAD	6063-T6	-
2	ES1101	1	FRAME SILL	6063-T6	-
2A	ES1055	1	FRAME SILL (INTERMEDIATE)	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	-
5	ES2004	1	VENT TOP RAIL (FOR SPRING LATCH)	6063-T6	-
5A	ES1053	1	VENT TOP RAIL (FOR SWEEP LATCH)	6063-T6	-
6	ES1006	1	VENT BOTTOM RAIL	6063-T6	-
7	ES1007	2	VENT SIDE RAIL	6063-T5	-
8	ES1017	AS REQD.	GLAZING BEAD	6063-T5	-
8A	ES1008	AS REQD.	GLAZING BEAD	6063-T6	-
9	ES1009	2/VENT	SPRING LOADED VENT LATCH	6063-T5	AT 6" FROM ENDS
9A	-	2/VENT	SWEEP LATCH	ZAMAK	AT 6" FROM ENDS
9B	#8 X 1"	2/LATCH	LATCH INSTALLATION SCREWS	-	FH SMS
10	ES1012	1/LATCH	LATCH SPRING	ST. STEEL	-
11	27-425	AS REQD.	GLAZING GASKET	EPDM	DUROMETER 60±5 SHORE 'A'
11A	ES1010	AS REQD.	GLAZING WEDGE	SOFT PVC	DUROMETER 70±5 SHORE 'A'
12	#8 X 1"	20	FRAME & VENT ASSEMBLY SCREWS	CRS	PH SMS
13	ES1011	2/VENT	SASH CAM	CELCON	-
14	23211NG	AS REQD.	PILE W'STRIPPING WITH PLASTIC FIN	POLY PROPYLENE	-
15	Q300X190	AS REQD.	FRAME SILL W'STRIPPING	-	Q-LON2
16	SERIES 86	2/ VENT	BLOCK & TACKLE BALANCE	-	CALDWELL
17	-	-	-	-	-
18	ES1013	2	SASH STOP	-	-
19	ES1056	AS REQD.	FLUSH FRAME ADAPTER	6063-T6	-
20	-	1	5/16" BOX SCREEN	-	OPTIONAL
21	ES5016	AS REQD.	ADAPTER COVER	6063-T5	-
22	ES1057	AS REQD.	MULLION	6063-T6	-
23	-	-	-	-	-
24	ES1059	AS REQD.	MULLION CLIP (MALE)	6063-T6	-
25	ES1060	AS REQD.	MULLION CLIP (FEMALE)	6063-T6	-
26	27-372	2/ LITE	SETTING BLOCK, 7/16" X 3/16" X 3-1/2" LONG	EPDM	DUROMETER 75±5 SHORE A
27	-	AS REQD.	GLAZING TAPE, 1/8" X 1/2" FOAM	POLYURETANE	-

**SEALANT:**

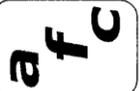
ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SCHNEE MOREHEAD SEAM SEALER SM5504.

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*[Signature]*  
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Miami Dade Product Control

By *[Signature]*



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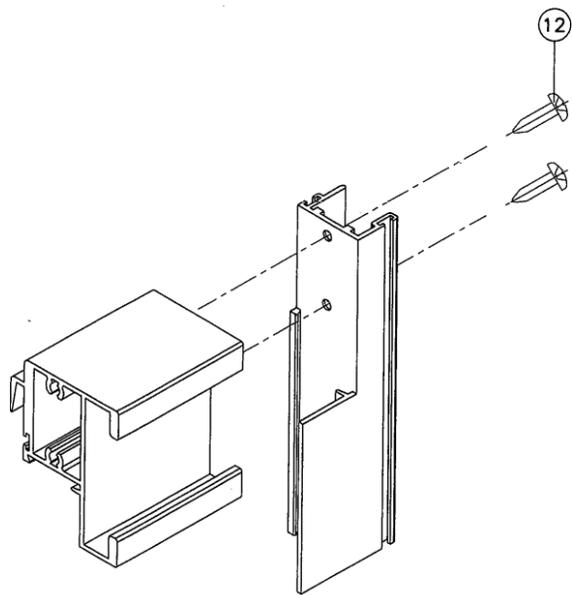
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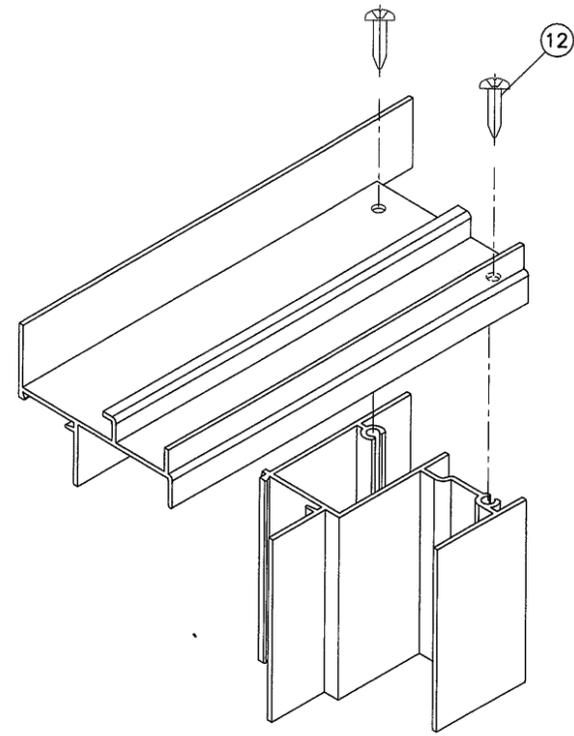
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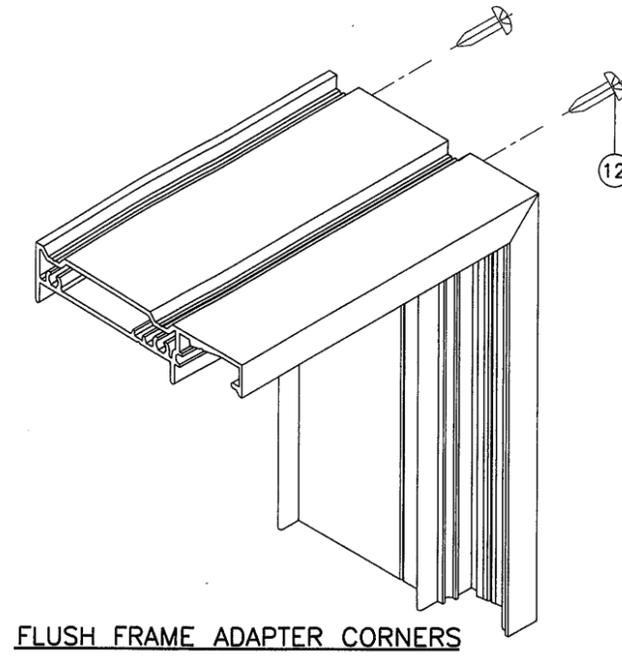
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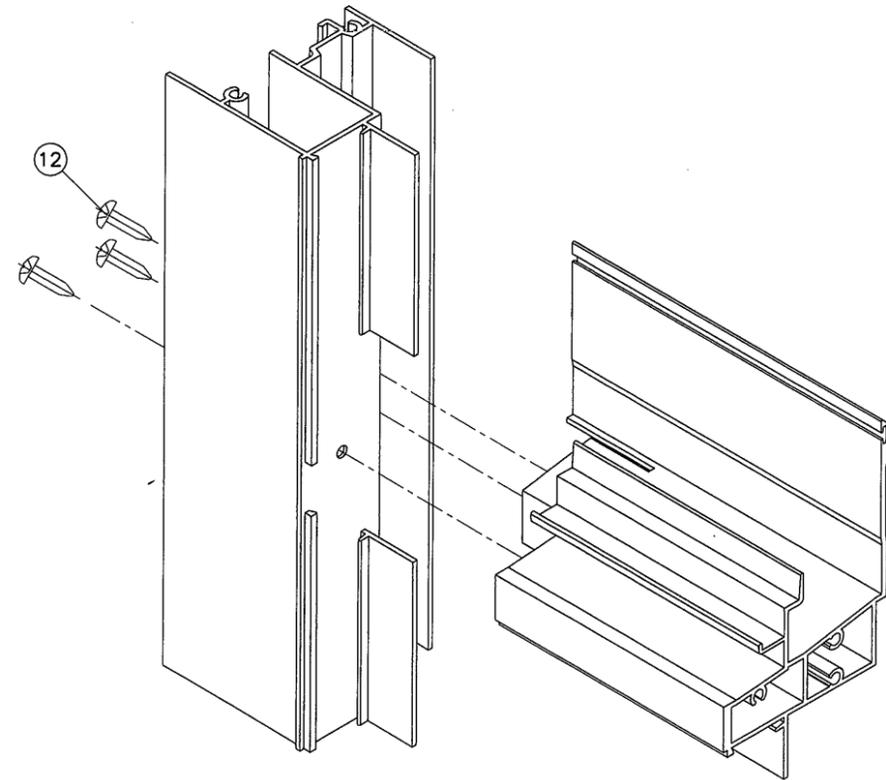
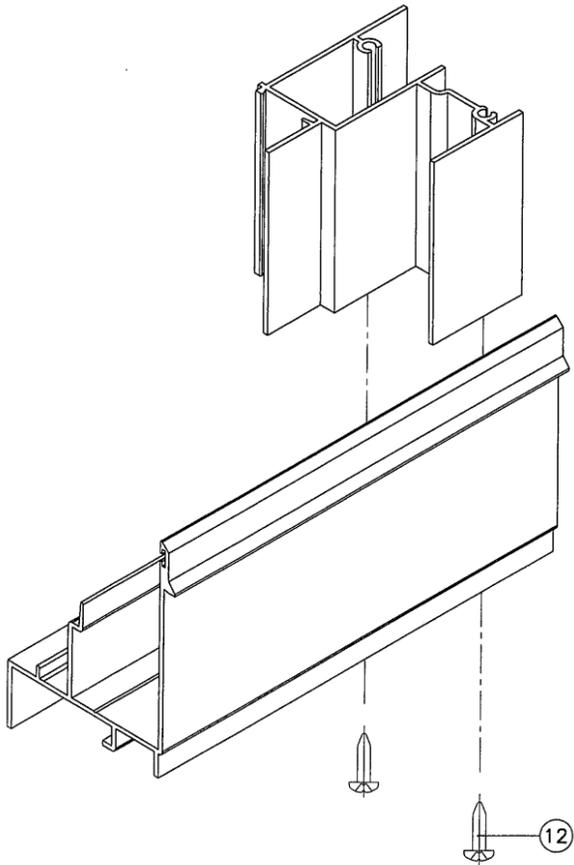
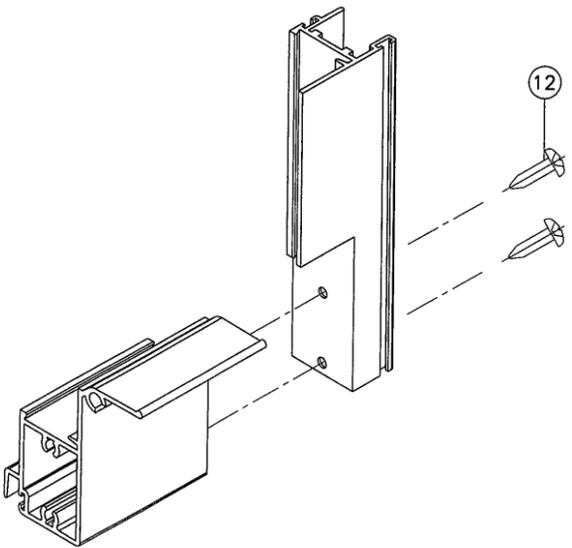
VENT TOP & BOTTOM CORNER



FRAME TOP & BOTTOM CORNERS



FLUSH FRAME ADAPTER CORNERS



INTERMEDIATE SILL CORNER

Engr: JAVAD AHMAD  
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By Hamid

**af c**

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