



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)

T. M. Windows LLC  
601 NW 12<sup>th</sup> Avenue  
Pompano Beach, FL 33069

**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 "747 HP" Aluminum Single Hung Window - S.M.I.

**APPROVAL DOCUMENT:** Drawing No. W07-52, titled "Series 747 HP Alum. Single Hung Wdw. (S.M.I.)", sheets 1 through 4 of 4, dated 06/01/07, with revision B dated 02/22/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Renewal 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

**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 renews NOA# 12-0309.05 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.



*Handwritten signature and date: MP 3/28/13*

NOA No. 13-0122.04  
Expiration Date: March 27, 2018  
Approval Date: March 28, 2013  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **W07-52**, Sheets 1 through 4 of 4, titled "Series 747 HP Alum. Single Hung Wdw. (S.M.I.)", dated 06/01/07, with revision B dated 02/22/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.  
*(Submitted under previous NOA# 12-0309.05)*

**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) Small Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94along with marked-up drawings and installation diagram of series 747 high performance aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5222**, dated 04/26/07, signed and sealed by Carlos S. Rionda, P.E.  
*(Submitted under previous NOA# 07-0913.05)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 11/10/09, signed and sealed by Arshad Viqar, P.E.  
*(Submitted under previous NOA#10-0202.03)*
2. Glazing complies with ASTM E1300-04

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **11-1102.11** issued to **Solutia, Inc.** for their "**Saflex Clear and Color Glass Interlayers**" dated 06/14/12, expiring on 05/21/16.
2. Notice of Acceptance No. **10-0331.02** issued to **Cytec Industries, Inc.** for their "**Uvekol S Laminate Glass Interlayer**", dated 05/05/10, expiring on 02/08/14.



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Manuel Perez, P.E.

Product Control Examiner

NOA No. 13-0122.04

Expiration Date: March 27, 2018

Approval Date: March 28, 2013

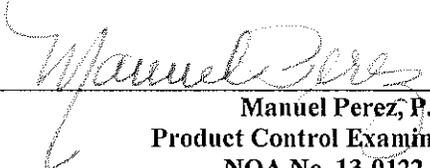
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**F. STATEMENTS**

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated March 20, 2013, signed and sealed by Javad Ahmad, P.E.
2. Laboratory compliance letter for Test Report No. **FTL-5222**, issued by Fenestration Testing Laboratory, Inc., dated 05/02/07, signed and sealed by Carlos S. Rionda, P.E. *(Submitted under previous NOA# 07-0913.05)*

**G. OTHER**

1. Notice of Acceptance No. **12-0309.05**, issued to T.M. Windows LLC for their "Series '747 HP' Aluminum Single Hung Window – S.M.I.", approved on 05/17/12 and expiring on 03/27/13.



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Manuel Perez, P.E.

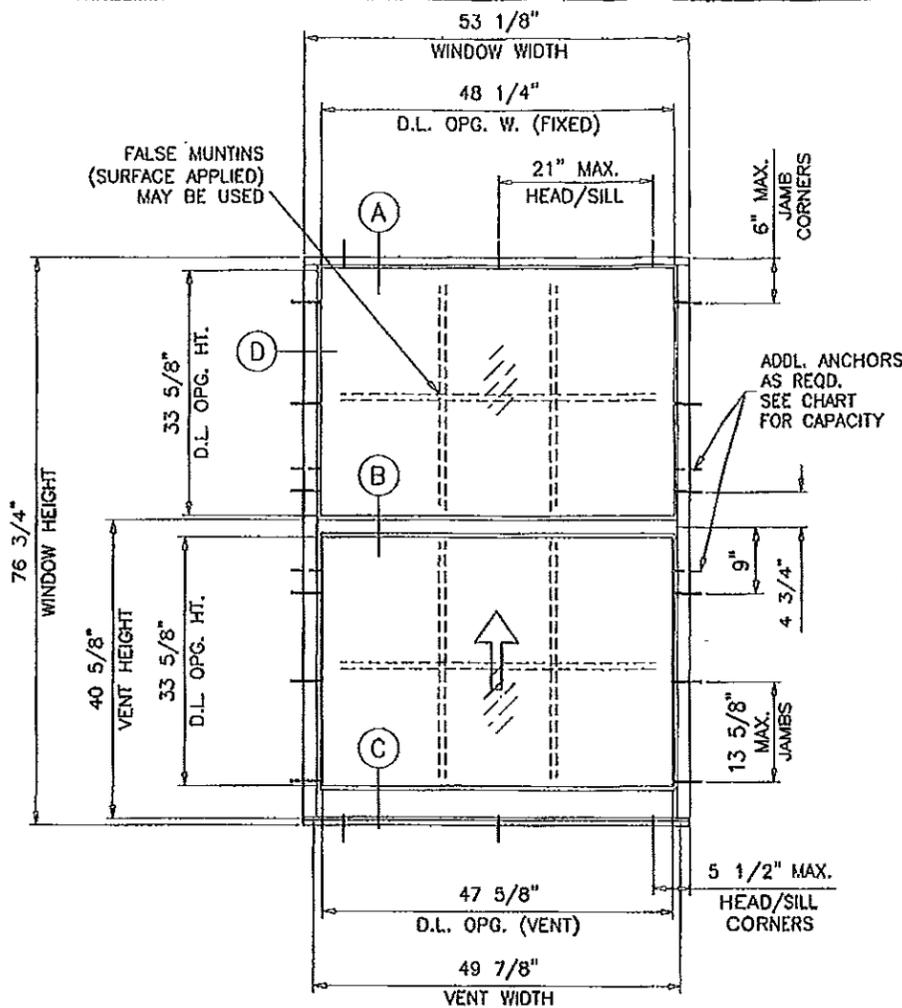
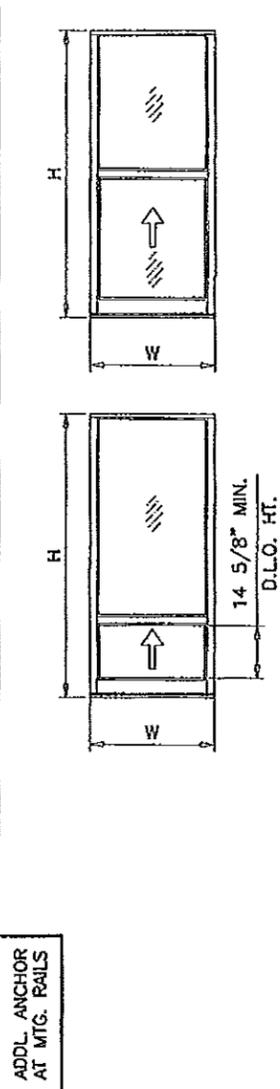
Product Control Examiner

NOA No. 13-0122.04

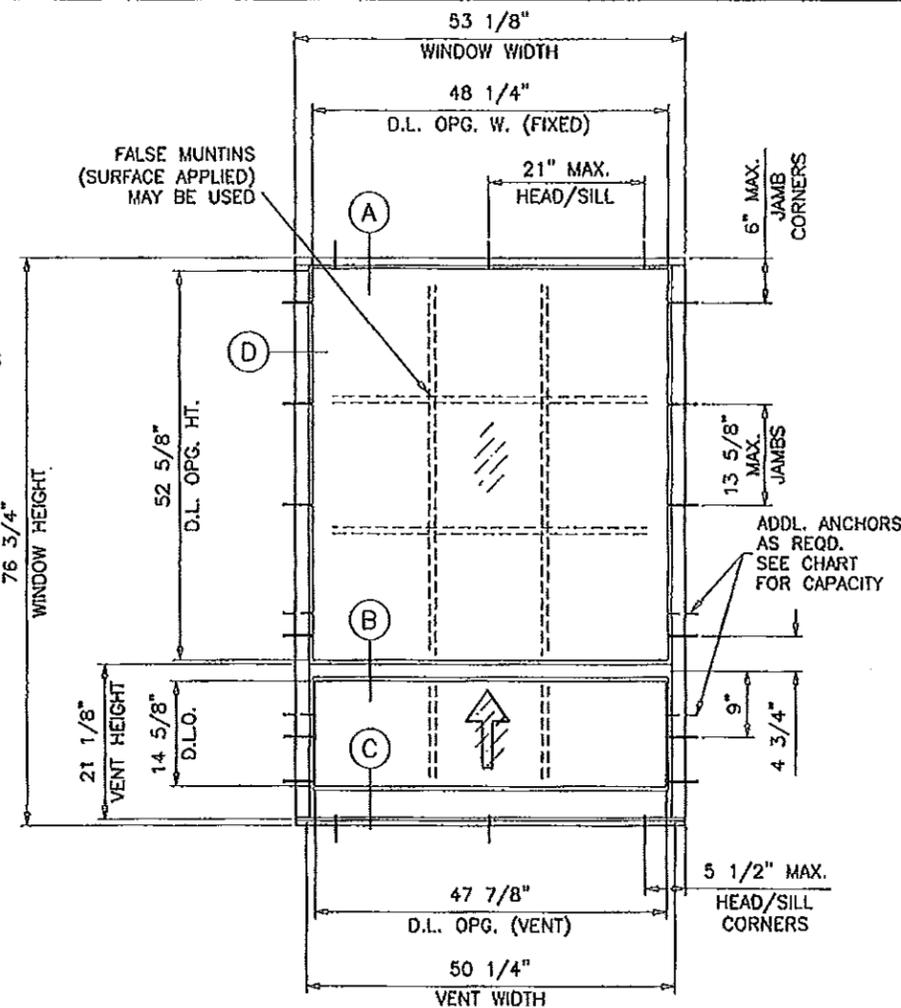
Expiration Date: March 27, 2018

Approval Date: March 28, 2013

EQUAL LITES WINDOWS			
UNEQUAL LITES (ORIEL TYPES) WDWs			
DESIGN LOAD CAPACITY -- PSF			
WINDOW DIMS.		GLASS TYPES 'A' & 'B'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
19-1/8"	72"	90.0	160.0
26-1/2"		90.0	160.0
37"		90.0	160.0
42"		90.0	160.0
48"		90.0	137.7
53-1/8"		90.0	115.1
19-1/8"	76-3/4"	90.0	160.0
26-1/2"		90.0	160.0
37"		90.0	160.0
42"		90.0	160.0
48"		90.0	135.3
53-1/8"		90.0	112.2
19-1/8"	84"	90.0	160.0
26-1/2"		90.0	160.0
37"		90.0	160.0
42"		90.0	160.0
48"		90.0	133.3
19-1/8"	96"	90.0	160.0
26-1/2"		90.0	160.0
37"		90.0	160.0
42"		90.0	160.0
48"		90.0	160.0
19-1/8"	108"	90.0	160.0
26-1/2"		90.0	160.0
37"		90.0	160.0
48"	72"	90.0	160.0
53-1/8"		90.0	160.0
48"	76-3/4"	90.0	160.0
53-1/8"		90.0	160.0
48"	84"	90.0	160.0



TYPICAL ELEVATION (TESTED UNIT)  
EQUAL LITES



TYPICAL ELEVATION (TESTED UNIT)  
UNEQUAL LITES

**SERIES 747 HIGH PERFORMANCE ALUMINUM SINGLE HUNG WINDOW**

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ABOVE.

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. CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

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

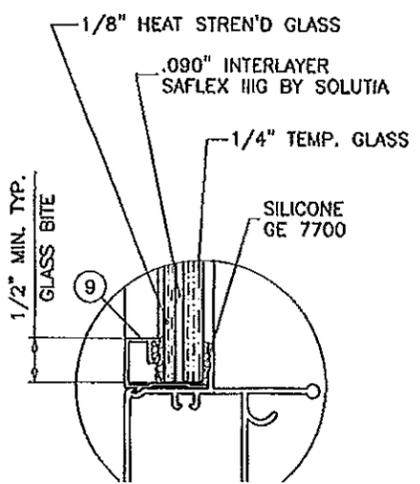
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

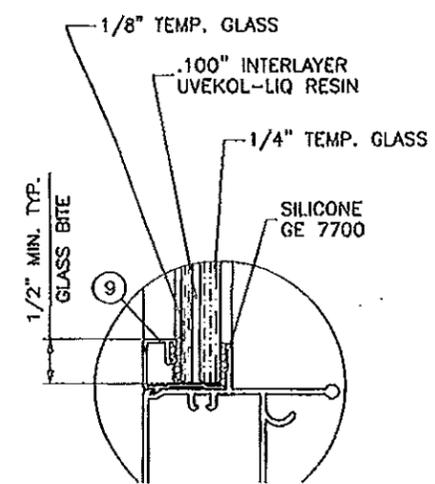
ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

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.



GLASS TYPE 'A'



GLASS TYPE 'B'

**GLAZING OPTIONS**

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.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 13-0122-04 Expiration Date March 27, 2013  
By *Manned Juez*  
Miami Dade Product Control

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

**LAMINATED GLASS SMALL MISSILE IMPACT**

Engr. JAVAD AHMAD CIVIL FLA. P.E. # 70592 C.A.N. 3538  
APR 08 2012

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 12-0309-05 Expiration Date MARCH 27, 2013  
By *Manned Juez*  
Miami Dade Product Control

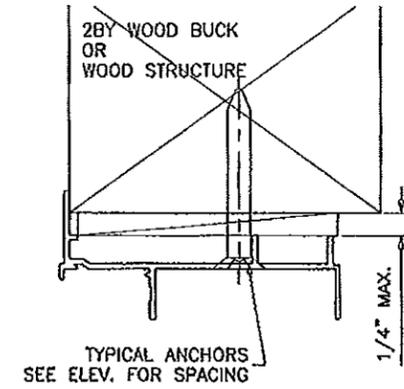
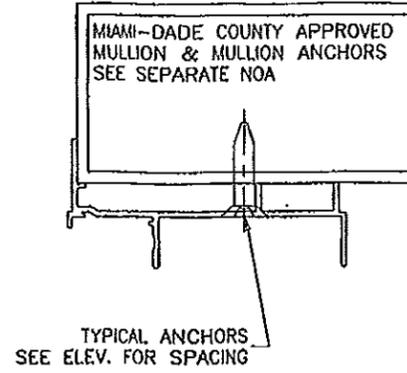
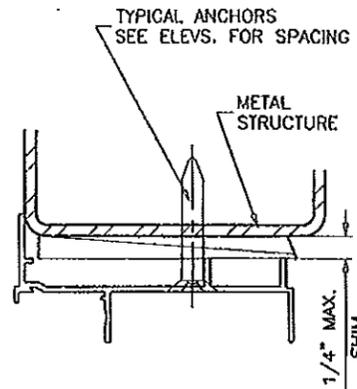
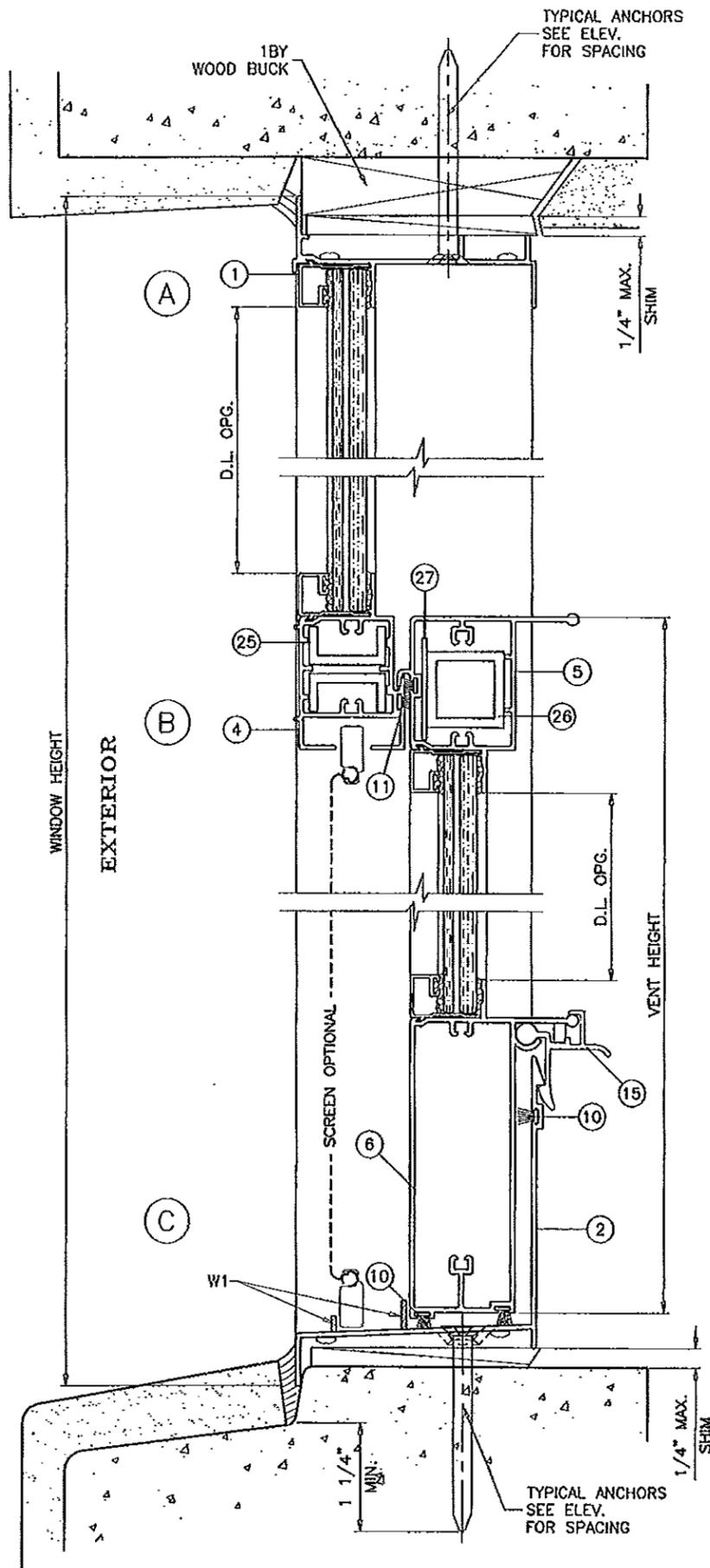
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL (305) 264-8100 FAX (305) 262-6978  
COMP-ANL W07-52TMW

SERIES 747 HP ALUM SINGLE HUNG WDW. (S.M.I.)  
**T.M. WINDOWS LLC.**  
601 N.W. 12TH AVE.  
POMPANO BEACH, FL. 33069  
TEL (954) 781-4430 FAX (954) 781-5078

NO.	DATE	DESCRIPTION
A	11.18.09	UPDATED FOR 2007 FBC
B	02.22.12	UPDATED TO 2010 FBC

date: 06-01-07  
scale: 1/2"=1'-0"  
dr. by: HAMID  
chk. by:

drawing no. **W07-52**  
sheet 1 of 4



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY  
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

DIRECTLY INTO CONC. OR MASONRY  
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)  
INTO METAL STRUCTURES

STEEL : 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. = .090")  
(NO SHIM SPACE)

TYPICAL EDGE DISTANCE

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

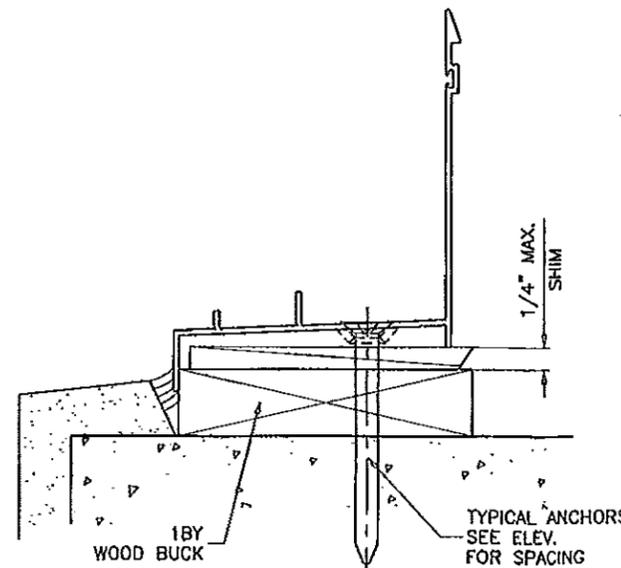
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.  
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:

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

WEEPHOLES:

W1 = 1" LONG NOTCH AT EACH END



PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0122.04  
Expiration Date March 29, 2018  
By *Maurel*  
Miami Dade Product Control

Engr: JAVAD AHMAD  
CIVIL  
FLA: PE # 70592  
C.A.N. 3538  
*J*  
APR 18 2012

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0309.05  
Expiration Date March 21, 2013  
By *Maurel*  
Miami Dade Product Control

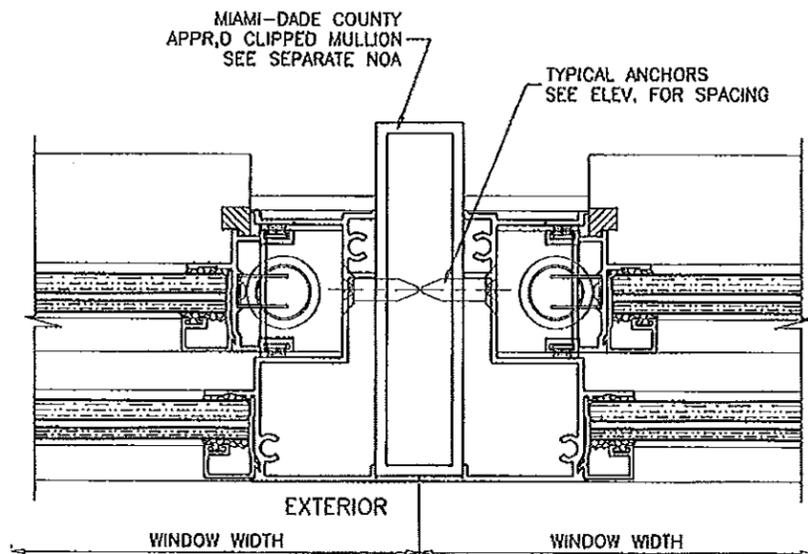
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**AL-FAROOQ CORPORATION**  
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MIAMI, FLORIDA 33174  
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COMP-ANL W07-52TMW

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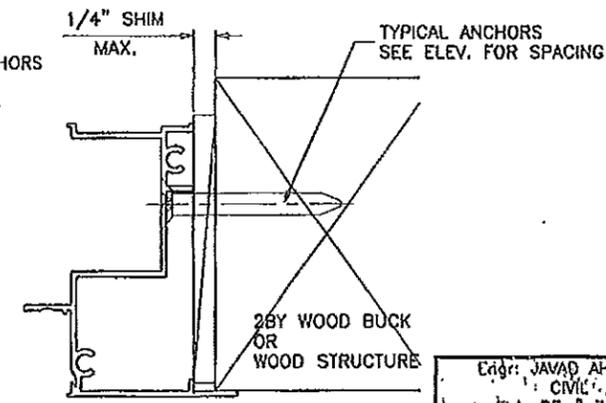
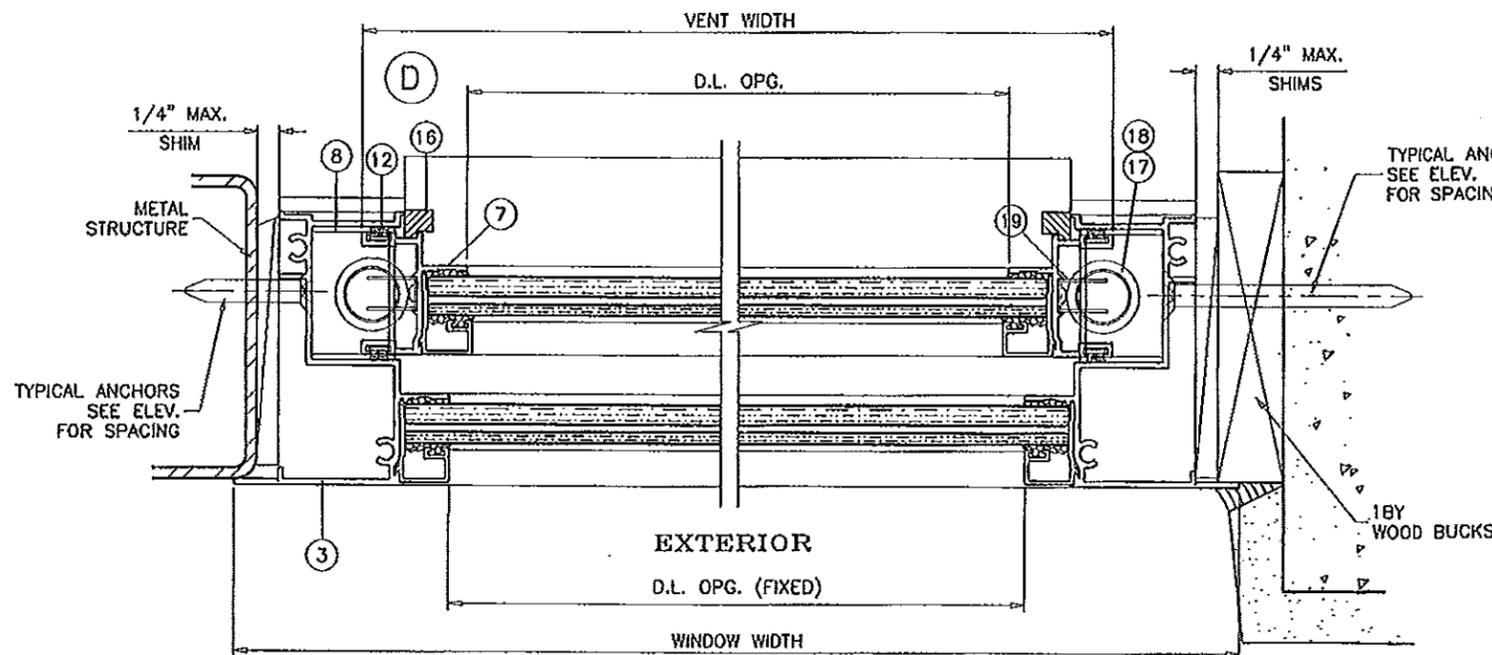
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A	11.18.09		UPDATED FOR 2007 FBC
B	02.22.12		NO CHANGE THIS SHEET

date: 06-01-07  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W07-52**  
sheet 2 of 4



ITEM	PART #	QTY.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	TM-131A	1	FRAME HEAD	6063-T6	-
2	GW-37731	1	FRAME SILL	6063-T6	-
3	TM-130	2	FRAME JAMB	6063-T6	-
4	TM-137	1	MEETING RAIL	6063-T6	-
5	TM-140	1	VENT TOP RAIL	6063-T6	-
6	GW-37730	1	VENT BOTTOM RAIL	6063-T6	-
7	GW-31134	2	VENT JAMB STILE	6063-T6	-
8	GW-31470	2	VENT STOP	6063-T6	-
9	TM-141B	4/VENT	GLAZING BEAD	6063-T6	-
10	W43371	(2) STRIP	FIN SEAL WEATHERSTRIP	-	BOTTOM RAIL/FRAME SILL
11	W43201	(1) STRIP	FIN SEAL WEATHERSTRIP	-	VENT TOP/MTG.RAIL
12	W31225	(2) STRIP	FIN SEAL WEATHERSTRIP	-	VENT JAMB STILES
14	P5043	2	1 3/8"x7/8"x1/2" FINSEAL PAD	-	FRAME SILL CORNERS
15	TM-118A	2/VENT	SPRING LOADED EGRESS LOCK	6063-T6	VENT BOTT. RAIL, 6" FROM ENDS
16	-	4/VENT	VENT GUIDE	NYLON	VENT INT. CORNERS
17	-	2/VENT	CALDWELL SPIRAL BALANCES	-	AT FRAME JAMBS
18	WVR-9302	2/VENT	BALANCE COVER	VINYL	FRAME HEAD/JAMBS
19	N69	2/VENT	CALDWELL BALANCE CLIP	-	VENT BOTT. CORNERS
20	-	2	#12 x 3/4" P.H. SMS	STEEL	(1) AT EACH BALANCE
21	-	8	#12 x 1" P.H. SMS	STEEL	FRAME CORNERS
22	-	8	#10 x 1" P.H. SMS	STEEL	VENT CORNERS
24	-	4	#8 x 3/8" F.H. SMS.	STEEL	AT EA. PLASTIC GUIDE
25	-	2	1/2" X 1" X 1/8" REINF. CHANNEL	6063-T5	AT MTG. RAIL
26	-	1	1 X 1 X 1/8" REINF. TUBE	6063-T5	AT VENT TOP RAIL
27	-	1	1-3/8 X 1/16" REINF. BAR	6063-T5	AT VENT TOP RAIL



**PRODUCT RENEWED**  
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 By *Manuel...*  
 Miami Dade Product Control

Engr. JAVAD AHMAD  
 CIVIL  
 FLA. PE # 70592  
 C.A.N. 3538  
 APR 18 2012

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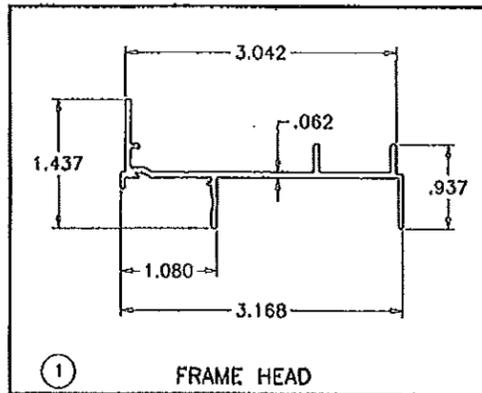
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 COMP-ANL\W07-52TAW

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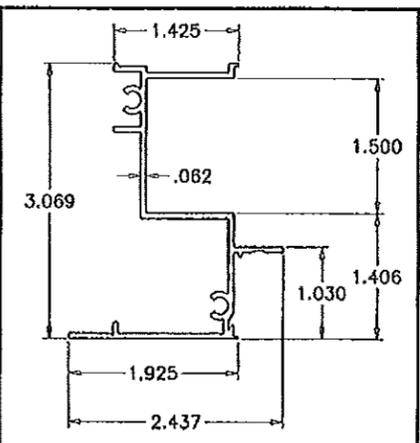
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 chg. by:

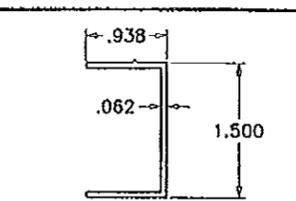
drawing no.  
**W07-52**  
 sheet 3 of 4



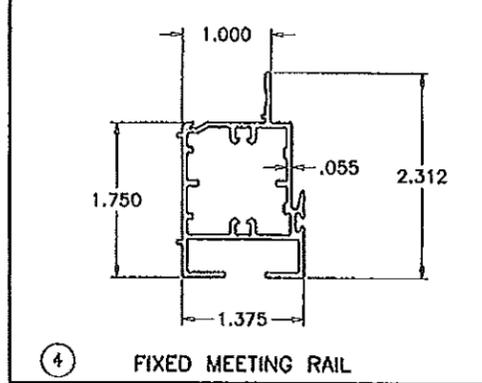
1 FRAME HEAD



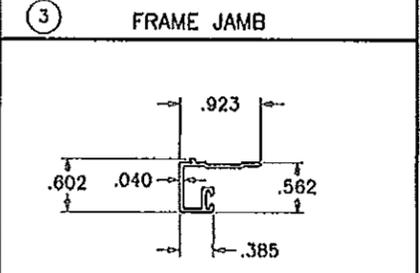
3 FRAME JAMB



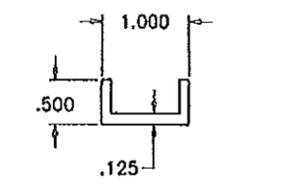
8 VENT STOP



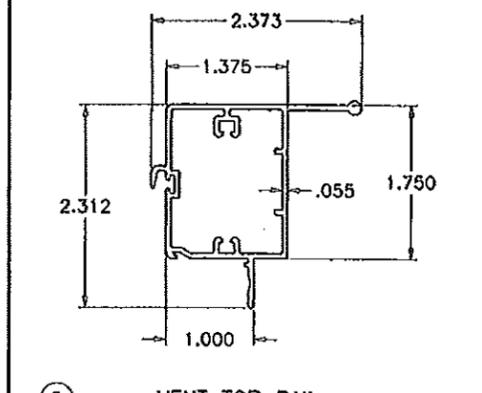
4 FIXED MEETING RAIL



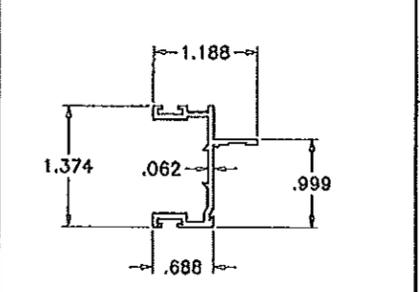
9 GLAZING BEAD



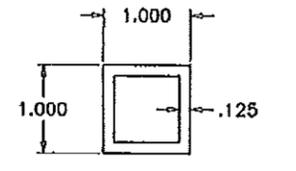
26 MTG. RAIL REINFORCING



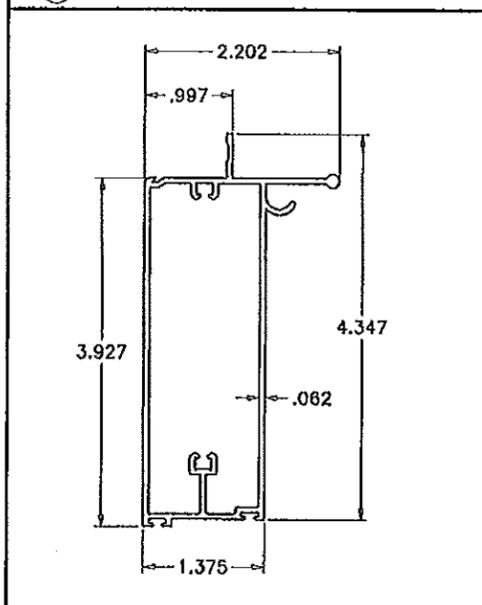
5 VENT TOP RAIL



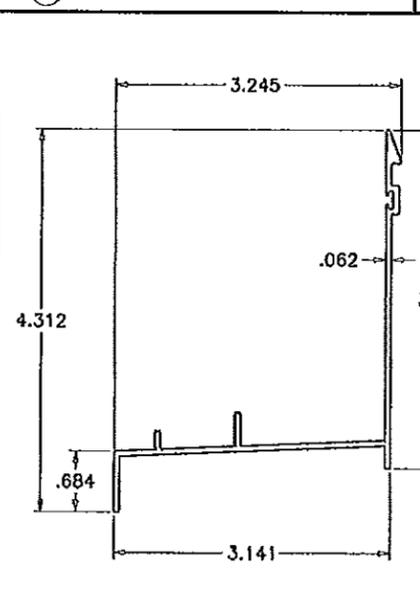
7 SASH SIDE RAIL



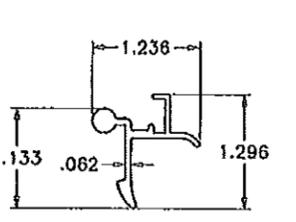
25 TOP RAIL REINFORCING



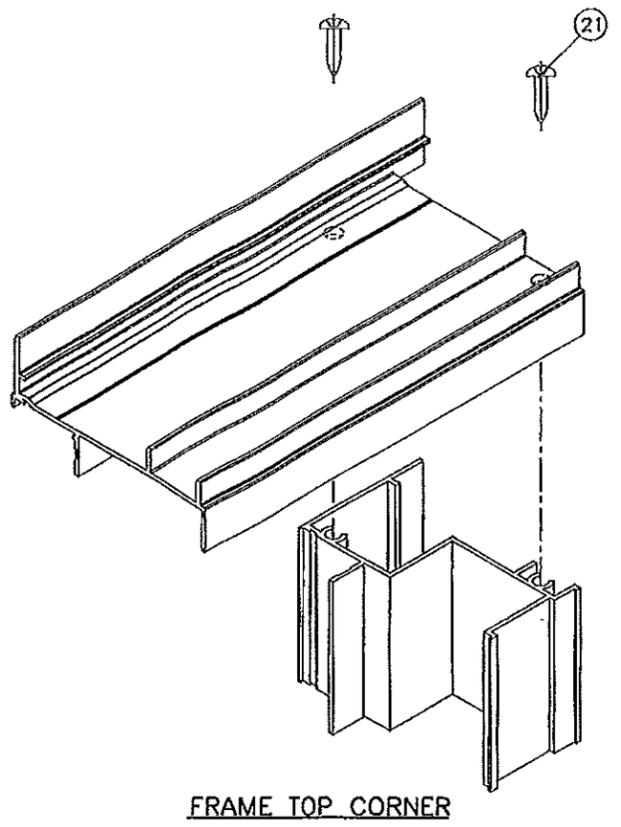
6 VENT BOTTOM RAIL



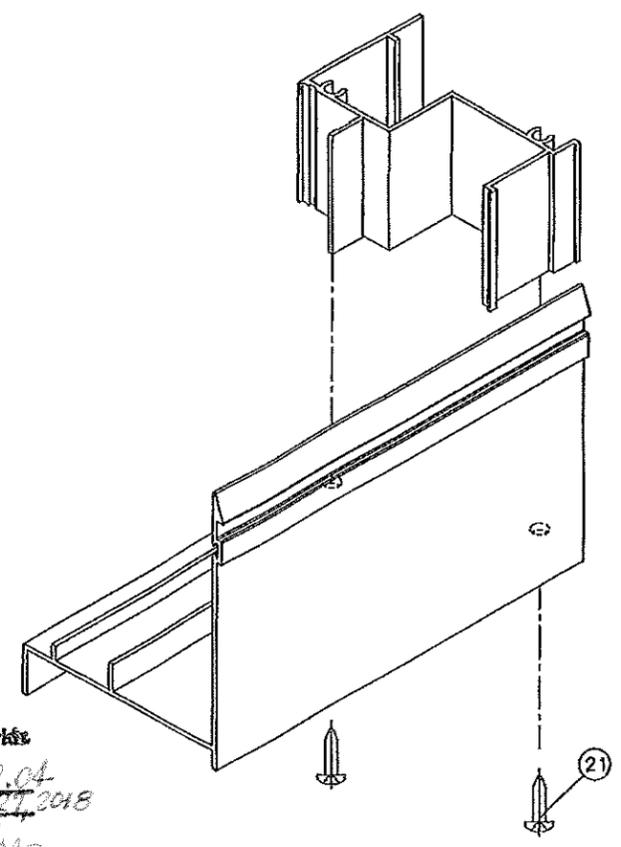
2 FRAME SILL



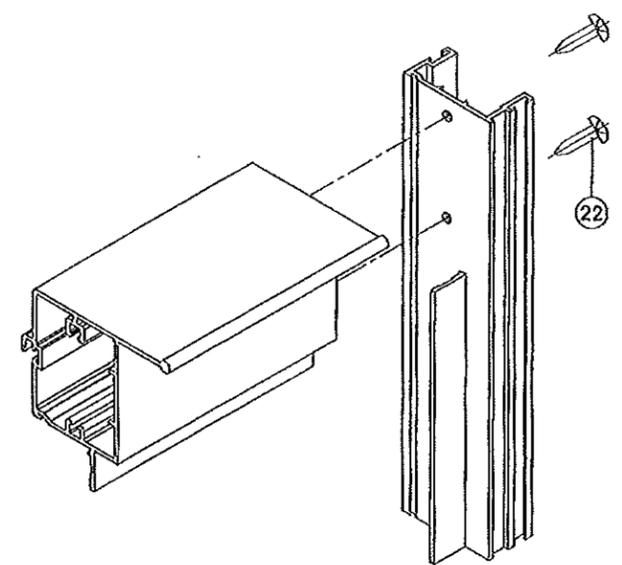
15A LATCH LOCK



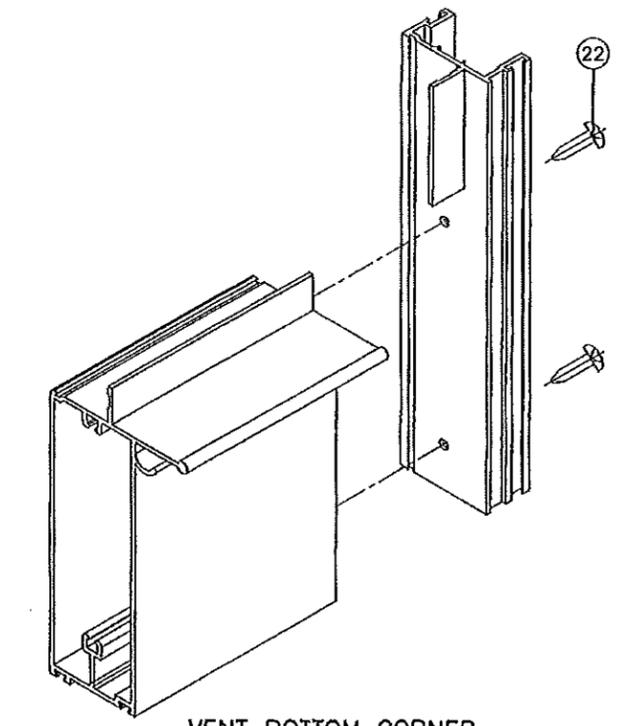
FRAME TOP CORNER



FRAME BOTTOM CORNER



VENT TOP CORNER



VENT BOTTOM CORNER

PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 13-0122-04  
 Expiration Date March 27, 2018  
 By: *Manuel Sosa*  
 Miami Dade Product Control

Engr. JAWAD AHMAD  
 CIVIL  
 FLA. PEI # 70562  
 C.A.N. 3538  
 APR 18 2012

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 12-0309-05  
 Expiration Date March 27, 2013  
 By: *Manuel Sosa*  
 Miami Dade Product Control

**af c**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 1235 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL (305) 264-8100 FAX (305) 262-6978  
 COMP-ANL \W07-52TMM

SERIES 747 HP ALUM SINGLE HUNG WDW. (S.M.I.)  
**T.M. WINDOWS LLC.**  
 601 N.W. 12TH AVE.  
 POMPAHO BEACH, FL. 33069  
 TEL. (954) 781-4430 FAX. (954) 781-5078

no.	date	by	description
A	11.18.09		UPDATED FOR 2007 FBC
B	02.22.12		NO CHANGE THIS SHEET

date: 06-01-07  
 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no.  
**W07-52**  
 sheet 4 of 4