



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 372-6339**

**NOTICE OF ACCEPTANCE (NOA)**

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

**T. M. Window & Door 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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series 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 A dated 11/18/09, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, 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 Division.

**MISSILE IMPACT RATING: Small Missile Impact Resistant**

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

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

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

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

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises **NOA # 07-0913.05** 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.**



**NOA No. 10-0202.03  
Expiration Date: March 27, 2013  
Approval Date: April 21, 2010  
Page 1**

T.M. Window & Door LLC

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 A dated 11/18/09, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) 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 202-94

along 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.

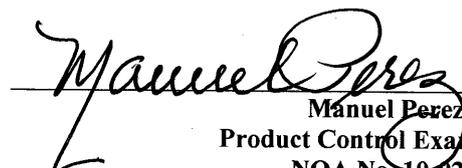
**Complies with ASTM E1300-02/04**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex III G Clear or colored Interlayer**" dated 05/04/06, expiring on 05/21/11.
2. Notice of Acceptance No. **09-0310.03** issued to **Cytec Industries, Inc.** for their "**Uvekol S Laminate Glass Interlayer**", dated 04/22/09, expiring on 02/08/10.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 10-0202.03  
Expiration Date: March 27, 2013  
Approval Date: April 21, 2010

**T.M. Window & Door LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Statement letter of conformance, dated November 12, 2009, signed and sealed by Arshad Viqar, P.E.
2. Statement letter of no financial interest, dated November 12, 2009, signed and sealed by Arshad Viqar, P.E.
3. 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.

**G. OTHER**

1. Notice of Acceptance No. **07-0913.05**, issued to T.M. Window & Door LLC for their Series 747 HP Aluminum Single Hung Window – S.M.I., approved on 03/27/08 and expiring on 03/27/13.

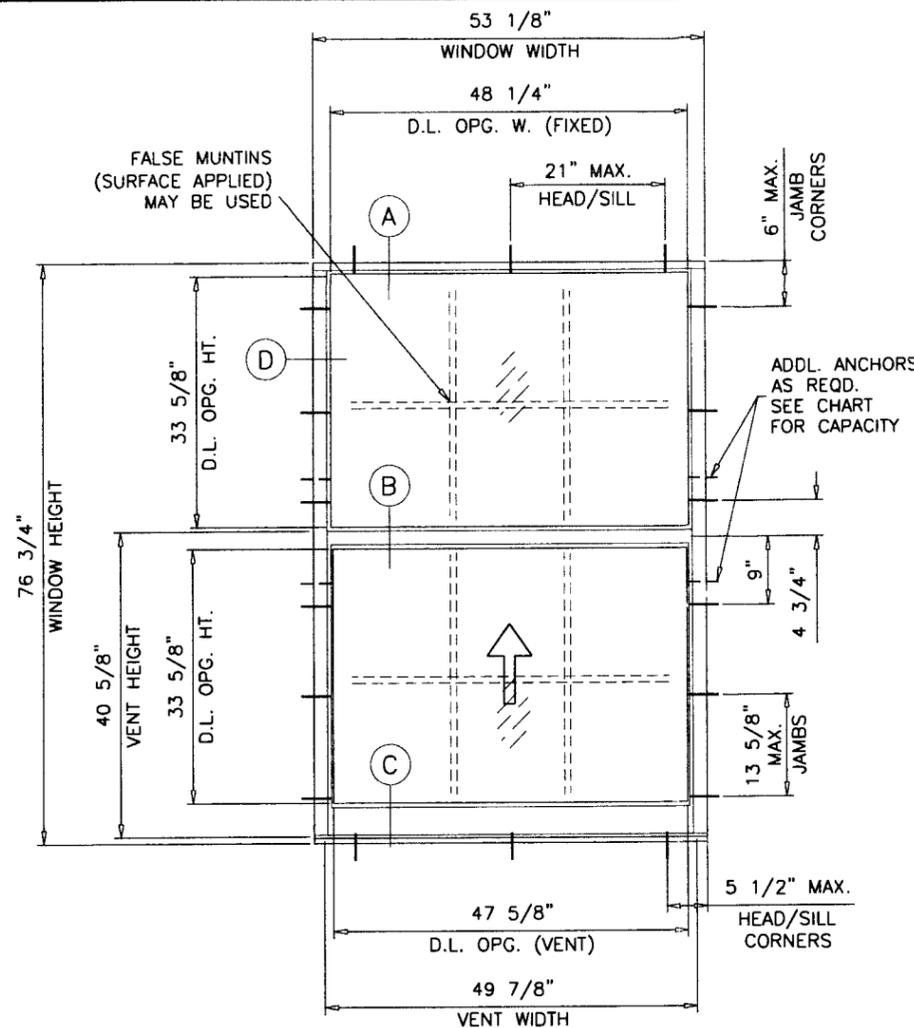
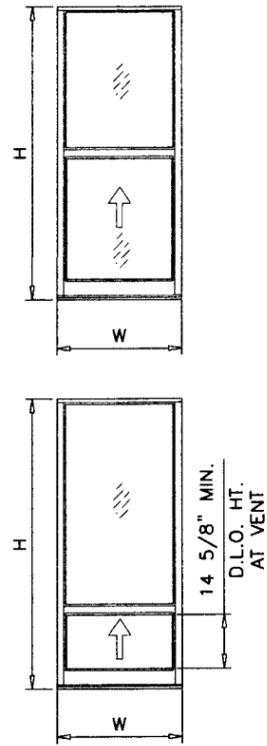
  
Manuel Perez, P.E.  
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NOA No. 10-0202.03

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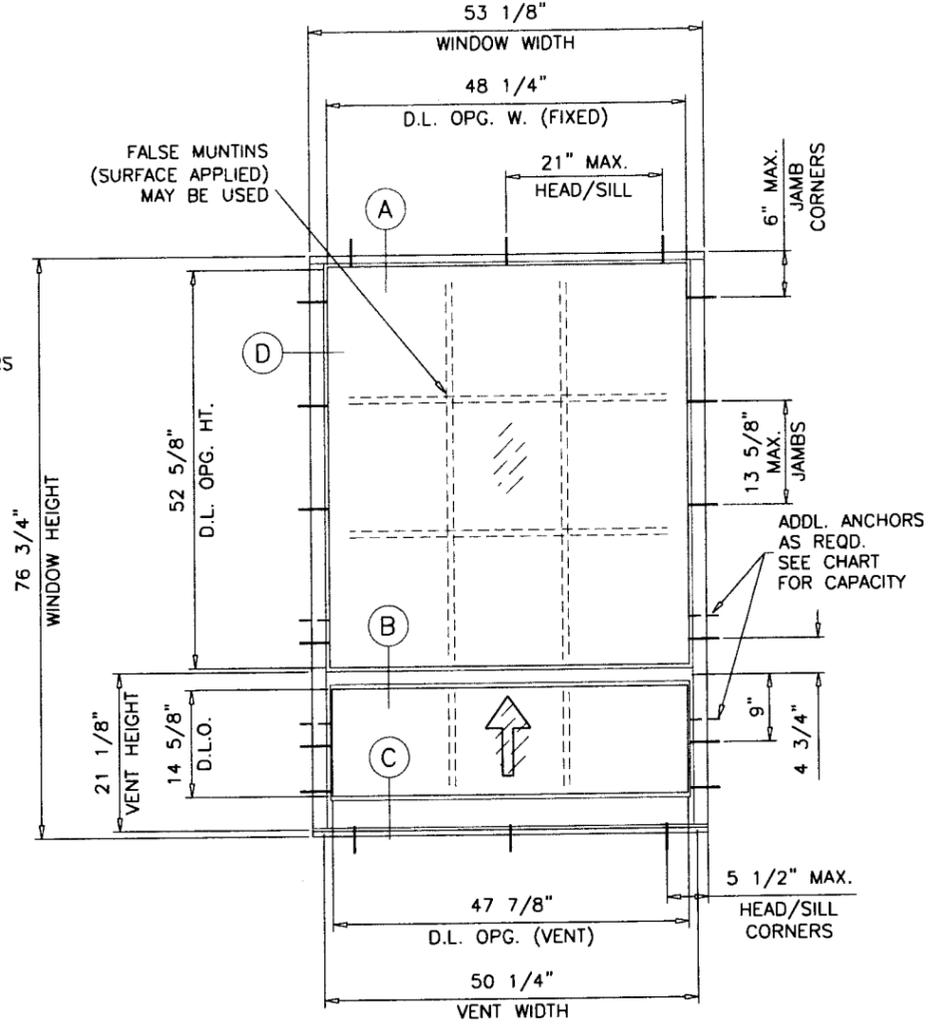
EQUAL LITES WINDOWS  
UNEQUAL LITES (ORIEL TYPES) WDWs  
DESIGN LOAD CAPACITY - PSF

| 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"      | 72"     | 90.0                  | 160.0   |
| 48"          | 76-3/4" | 90.0                  | 160.0   |
| 53-1/8"      | 76-3/4" | 90.0                  | 160.0   |
| 48"          | 84"     | 90.0                  | 160.0   |

ADDL. ANCHOR AT MTC. RAILS



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 2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

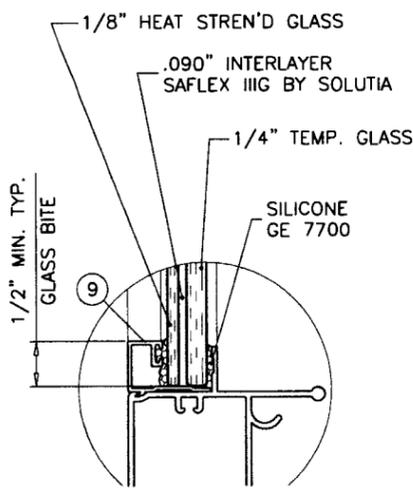
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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

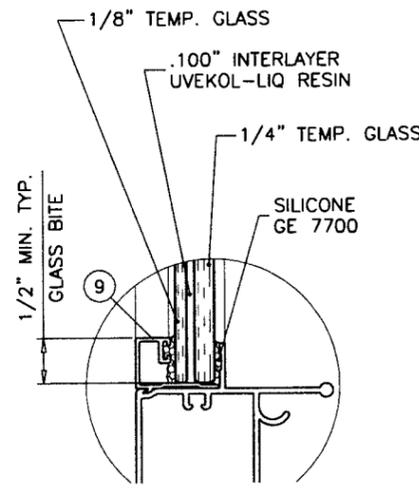
ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2007 FLORIDA BLDG. CODE SECTION 2003.8.4.



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.

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

*Arq*

NOV 30 2009

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 10-0207.03  
Expiration Date: MARCH 21, 2013

By *Muhammed Pire*  
Miami Dade Product Control  
Division

SERIES 747 HP ALUM SINGLE HUNG WDW. (S.M.I.)

**TM WINDOW AND DOOR**

601 N.W. 12TH AVE.  
POMPANO BEACH, FL. 33069

TEL. (954) 781-4430 FAX. (954) 781-5078

**AL-FAROOQ CORPORATION**

ENGINEERS & PRODUCT DEVELOPMENT

1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174

TEL. (305) 264-8100 FAX. (305) 262-6978

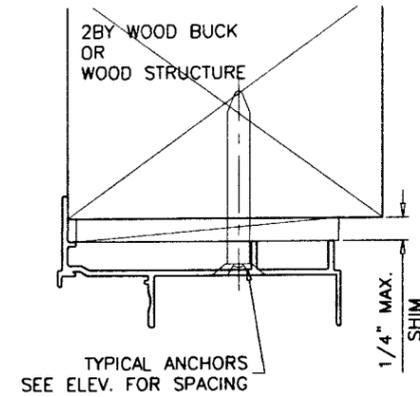
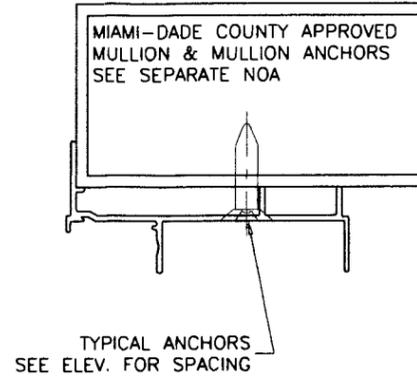
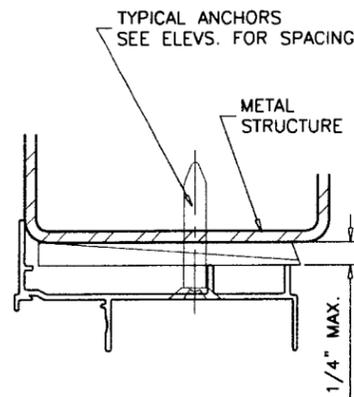
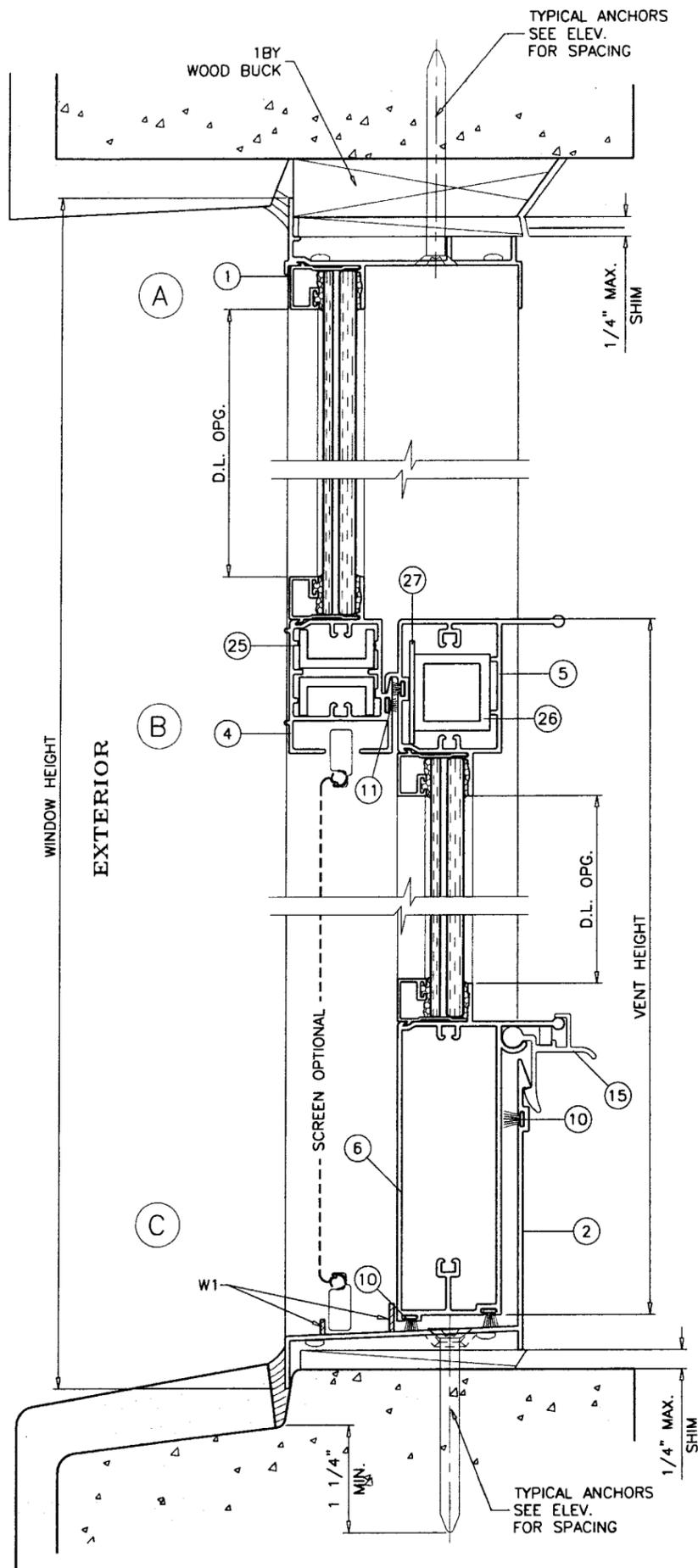
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chk. by:

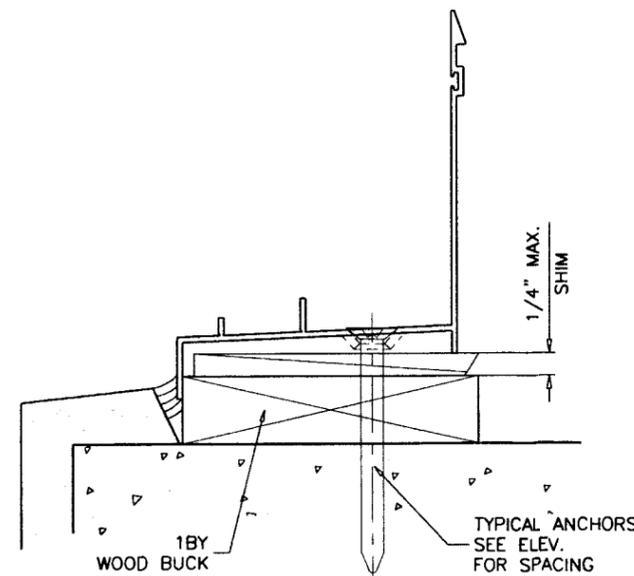
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**W07-52**

sheet 1 of 4

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COMP-ANL\W07-52TMW



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

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

*Am*

NOV 30 2009

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Expiration Date MARCH 27, 2013

By *Manuel Perez*  
Miami Dade Product Control  
Division

**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\W07-52TMW

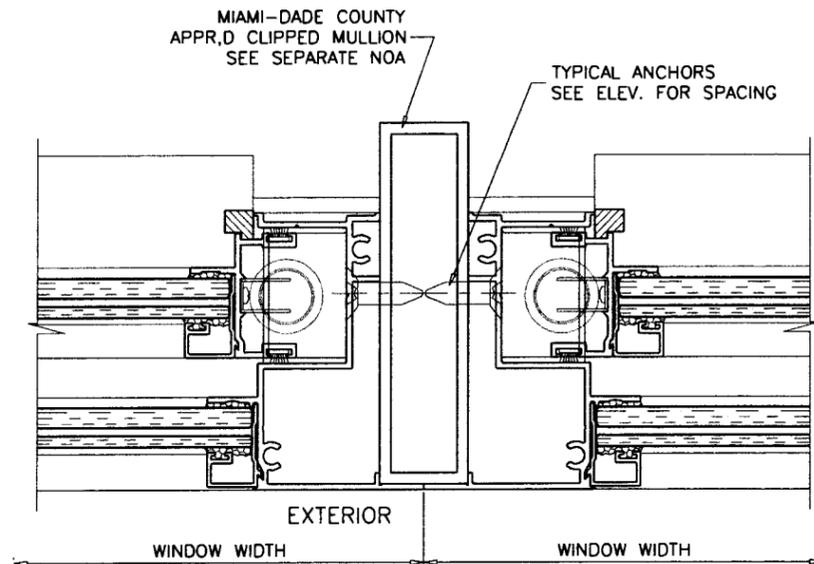
SERIES 747 HP ALUM SINGLE HUNG WDW. (S.M.I.)  
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TEL. (954) 781-4430 FAX. (954) 781-5078

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| A  | 11.18.09 |    | UPDATED FOR 2007 FBC |

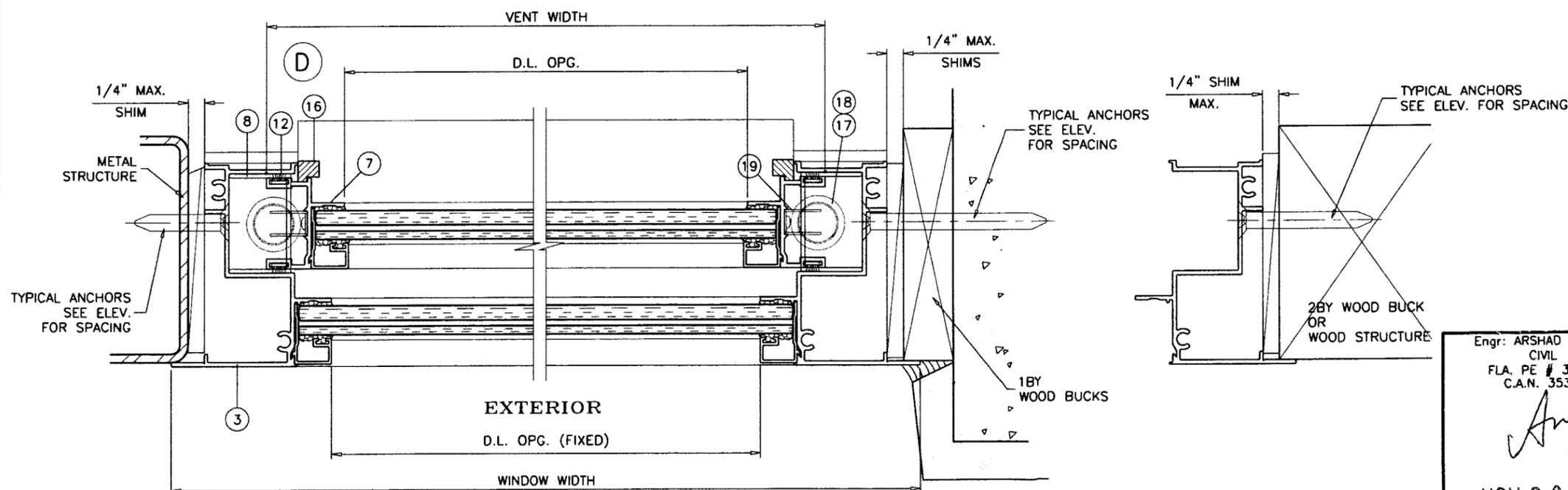
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chk. by:

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         | #6 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              |



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

*Am*

NOV 30 2009

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By *Manuel Perez*  
 Miami Dade Product Control  
 Division

**afC**

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 COMP-ANL\W07-52TMW

SERIES 747 HP ALUM SINGLE HUNG WDW. (S.M.I.)

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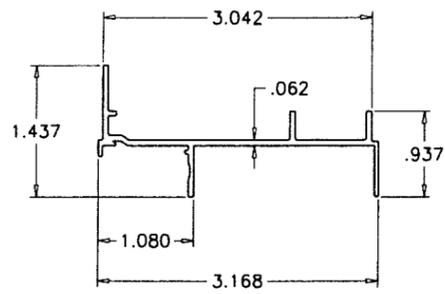
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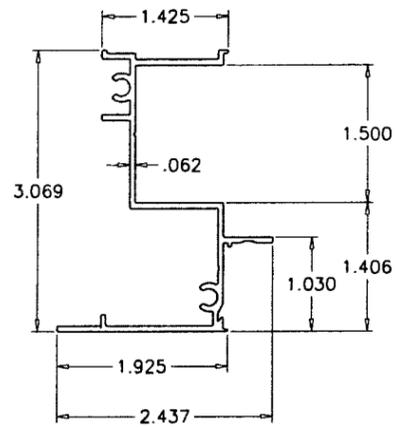
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| dr. by:  | HAMID     |
| chk. by: |           |

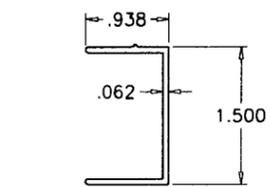
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| sheet       | 3 of 4 |



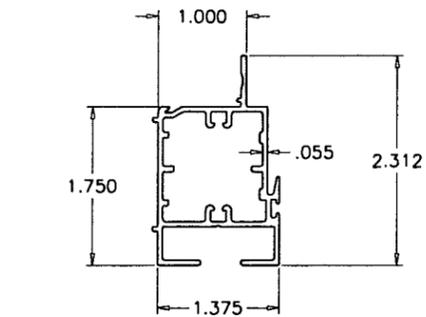
1 FRAME HEAD



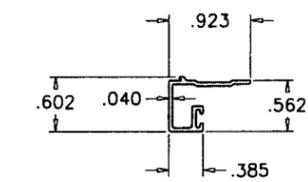
3 FRAME JAMB



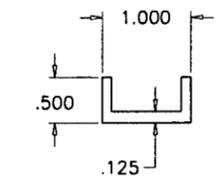
8 VENT STOP



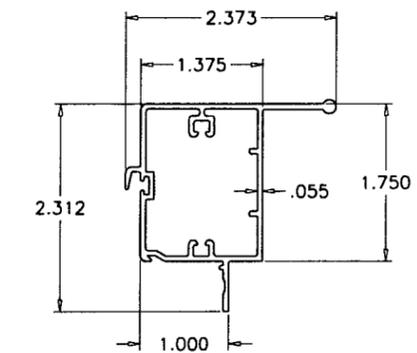
4 FIXED MEETING RAIL



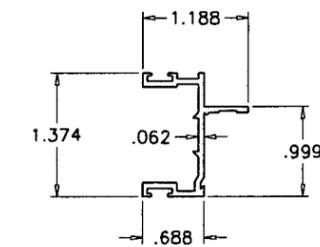
9 GLAZING BEAD



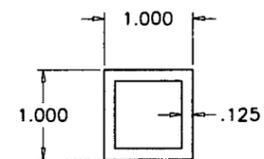
26 MTG. RAIL REINFORCING



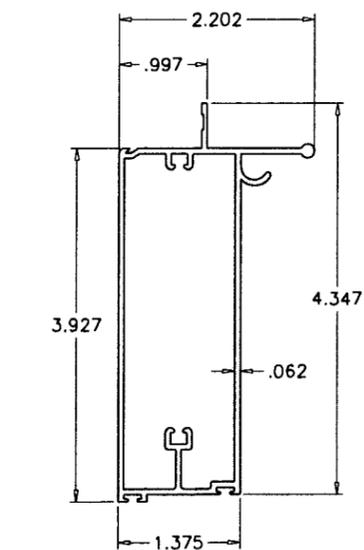
5 VENT TOP RAIL



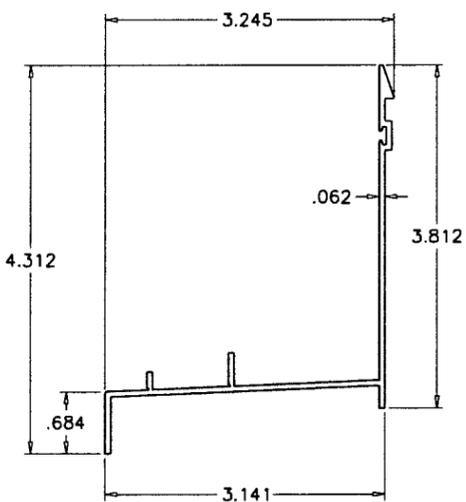
7 SASH SIDE RAIL



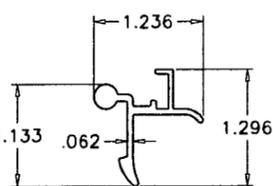
25 TOP RAIL REINFORCING



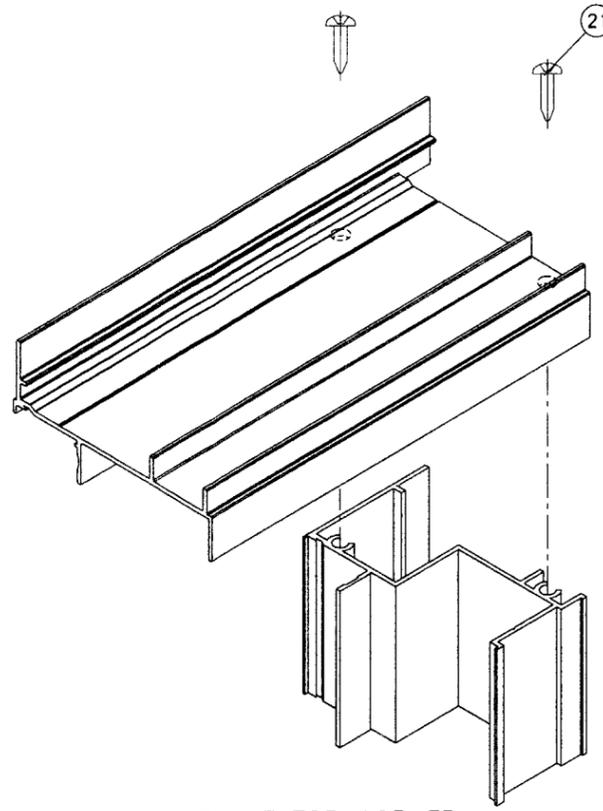
6 VENT BOTTOM RAIL



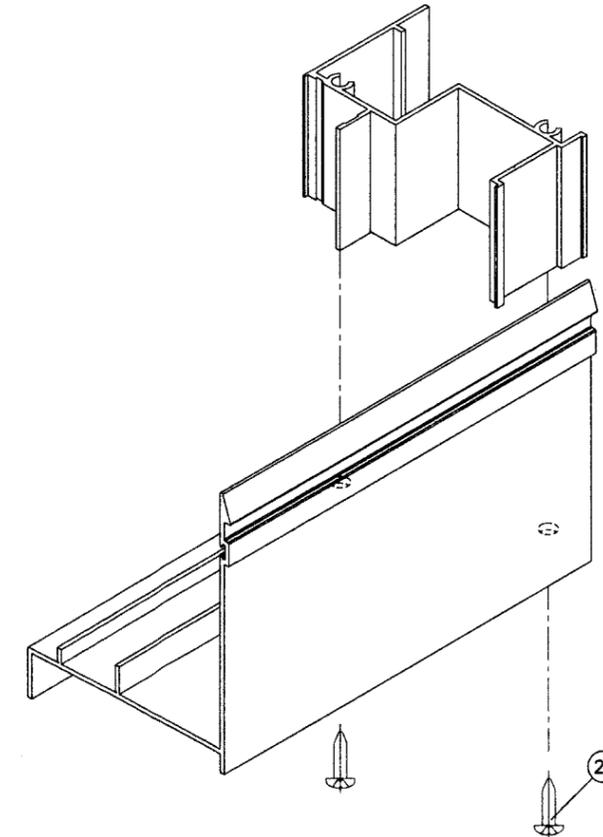
2 FRAME SILL



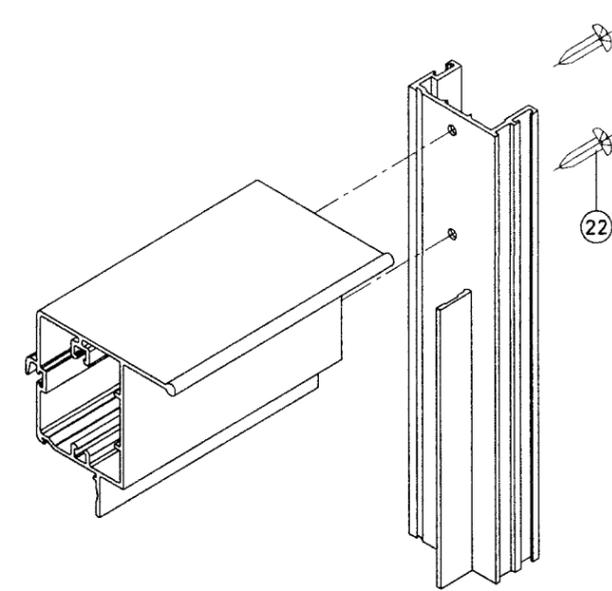
15A LATCH LOCK



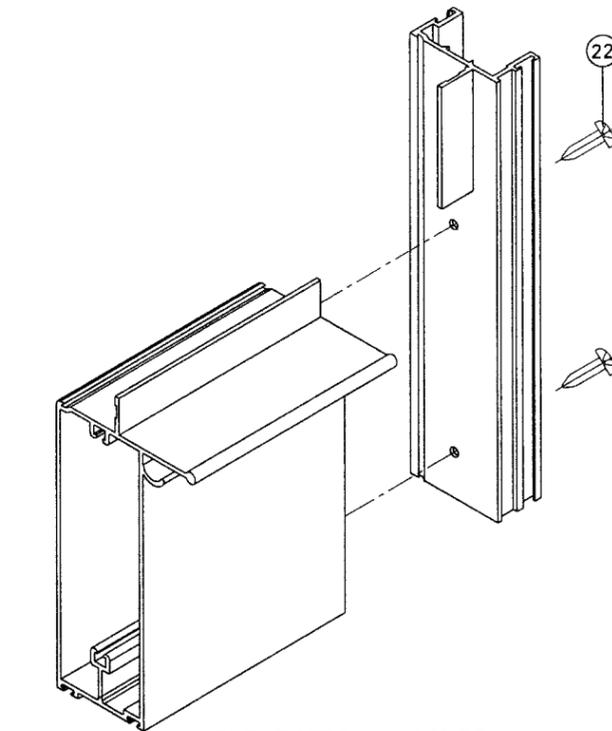
FRAME TOP CORNER



FRAME BOTTOM CORNER



VENT TOP CORNER



VENT BOTTOM CORNER

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

*Ar*  
NOV 30 2009

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 10-D202-03  
Expiry Date: MARCH 21, 2013  
By: *Manuel Perez*  
Division

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

| Revisions: | no | date     | by | description          |
|------------|----|----------|----|----------------------|
|            | A  | 11.18.09 |    | UPDATED FOR 2007 FBC |

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

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