



MIAMI-DADE COUNTY
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

R.C. Aluminum Industries, Inc.
2805 N.W. 75th Avenue
Miami, FL 33122

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 "HR 100" Aluminum Horizontal Sliding Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W04-36**, titled "HR100 Alum. Horiz. Sliding Wdw. (L.M.I.)", sheets 1 through 4 of 4, dated 05/04/04 with revision B dated 09/19/08, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, 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: Large 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 and renews** NOA # **06-1130.02** 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. 09-0303.04
Expiration Date: August 05, 2014
Approval Date: June 17, 2009
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

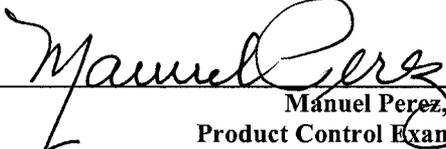
1. Manufacturer's die drawings and sections.
2. Drawing No **W04-36**, Sheets 1 through 4 of 4, titled "HR 100 Alum Horiz. Sliding Wdw. (L.M.I.)", dated 05/04/04 with revision B dated 09/19/08, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum sliding window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-03-1881**, dated 03/19/04, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under previous NOA #06-1130.02)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of aluminum sliding window, window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-03-1362**, dated 12/11/03, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under previous NOA #06-1130.02)
3. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum sliding window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-03-1880**, dated 12/12/03, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under previous NOA #06-1130.02)
4. Tensile Test prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-04-T119**, dated 04/23/04, tested per ASTM-E 8-01e1, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under previous NOA #06-1130.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 09/23/08, signed and sealed by Humayoun Farooq, P.E.
Complies with ASTM E1300-02/04


Manuel Perez, P.E.
Product Control Examiner

NOA No. 09-0303.04
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R.C. Aluminum Industries, Inc.

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D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

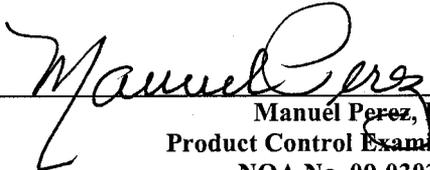
1. Notice of Acceptance No. **09-0312.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite® PVB, Interlayer**" dated 05/13/09, expiring on 12/11/10.

F. STATEMENTS

1. Statement letter of conformance, dated September 23, 2008, signed and sealed by Humayoun Farooq, P.E.

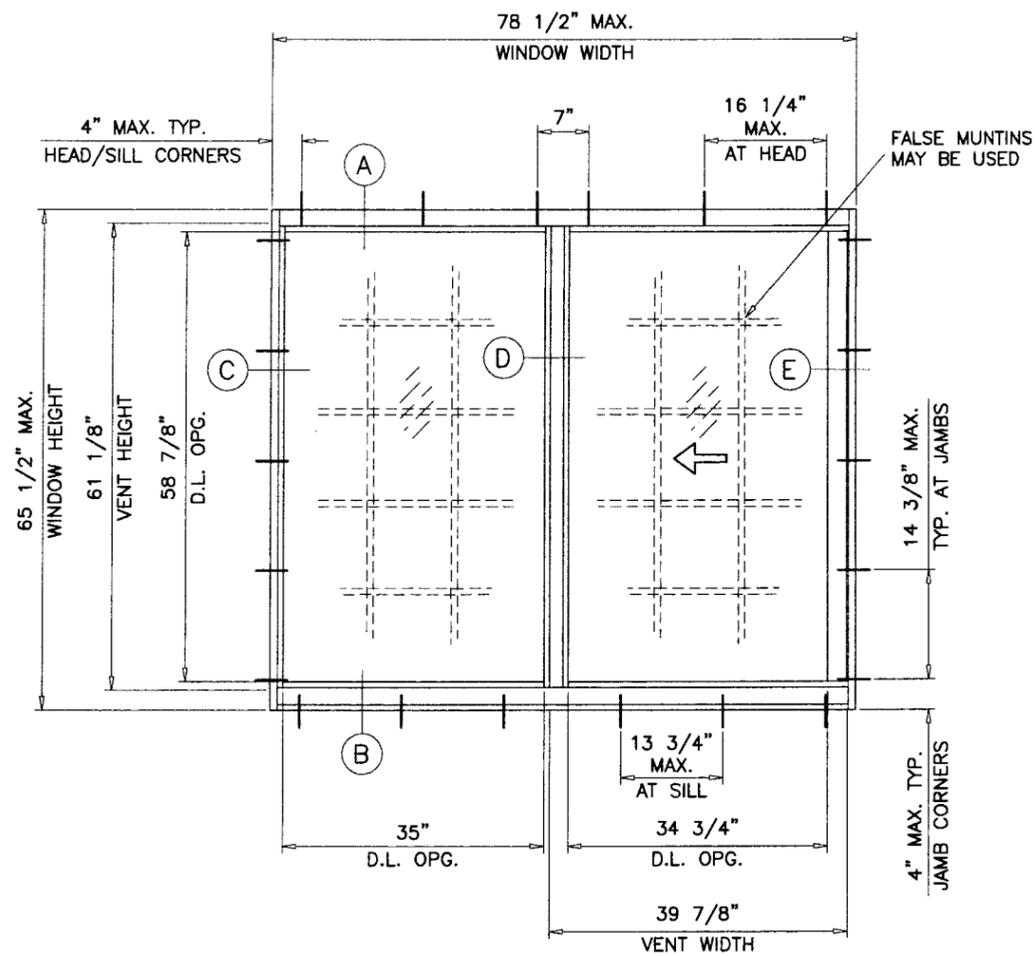
G. OTHERS

1. Notice of Acceptance No. **06-1130.02**, issued to R.C. Aluminum Industries, Inc. for their Series "HR 100" Aluminum Horizontal Sliding Window - L.M.I., approved on 04/12/07 and expiring on 08/05/09.



Manuel Perez, P.E.
Product Control Examiner
NOA No. 09-0303.04

Expiration Date: August 05, 2014
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TYPICAL ELEVATION
TESTED UNIT

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

HR100 ALUM HORIZ. SLIDING WINDOW

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

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.R./H.R. OR H.R. WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING APPROVED MULLIONS.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004/2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

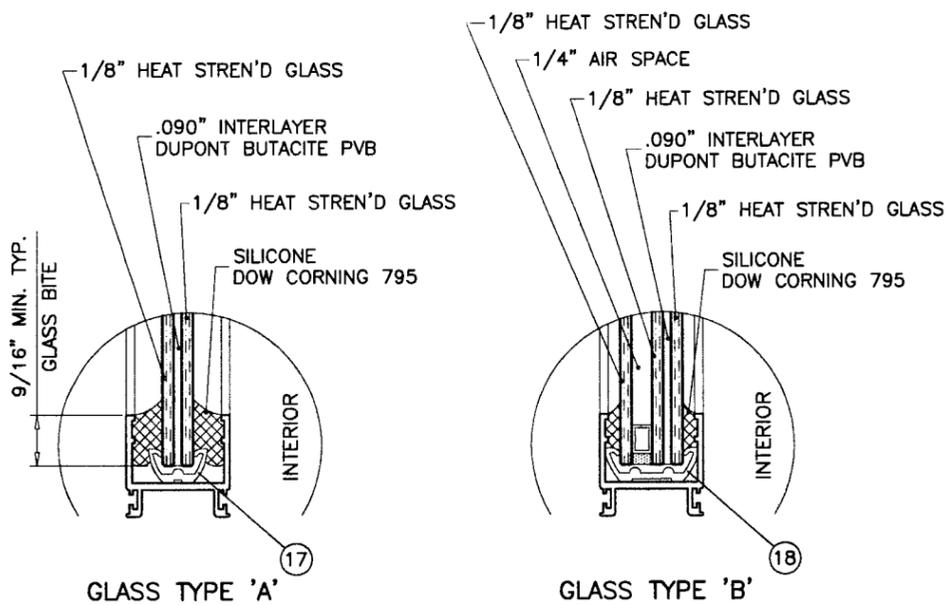
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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 2004/2007 FLORIDA BLDG. CODE SECTION 2003.8.4.



GLAZING OPTIONS

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-02/04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

DESIGN LOAD CAPACITY - PSF XO OR OX SIZES				
WINDOW DIMS.		A	GLASS TYPE 'A' & 'B'	
WIDTH	HEIGHT		EXT.(+)	INT.(-)
26-1/2"	26" (3)	3	80.0	80.0
37"		3	80.0	80.0
53-1/8"		4	80.0	80.0
26-1/2"	38-3/8" (4)	3	80.0	80.0
37"		3	80.0	80.0
53-1/8"		4	80.0	80.0
26-1/2"	50-5/8" (4)	3	80.0	80.0
37"		3	80.0	80.0
53-1/8"		4	80.0	80.0
26-1/2"	63" (5)	3	80.0	80.0
37"		3	80.0	80.0
53-1/8"		4	80.0	80.0
24"	24" (3)	3	80.0	80.0
36"		3	80.0	80.0
48"		4	80.0	80.0
60"		5	80.0	80.0
72"		5	80.0	80.0
78-1/2"		6	80.0	80.0
24"	36" (3)	3	80.0	80.0
36"		3	80.0	80.0
48"		4	80.0	80.0
60"		5	80.0	80.0
72"		5	80.0	80.0
78-1/2"		6	80.0	80.0
24"	48" (4)	3	80.0	80.0
36"		3	80.0	80.0
48"		4	80.0	80.0
60"		5	80.0	80.0
72"		5	80.0	80.0
78-1/2"		6	80.0	80.0
24"	60" (5)	3	80.0	80.0
36"		3	80.0	80.0
48"		4	80.0	80.0
60"		5	80.0	80.0
72"		5	80.0	80.0
78-1/2"		6	80.0	80.0
24"	65-1/2" (5)	3	80.0	80.0
36"		3	80.0	80.0
48"		4	80.0	80.0
60"		5	80.0	80.0
72"		5	80.0	80.0
78-1/2"		6	80.0	80.0

A = NO. OF ANCHORS PER HEAD & SILL
() = NO. OF ANCHORS PER JAMB

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

SEP 25 2008

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0303.04
Expiration Date AUG 5, 2014
By *[Signature]*
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\W04-36RC

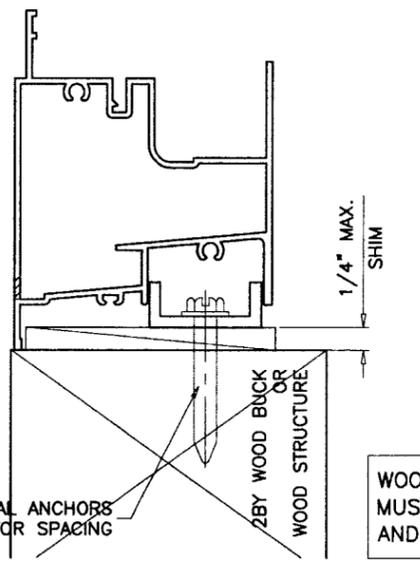
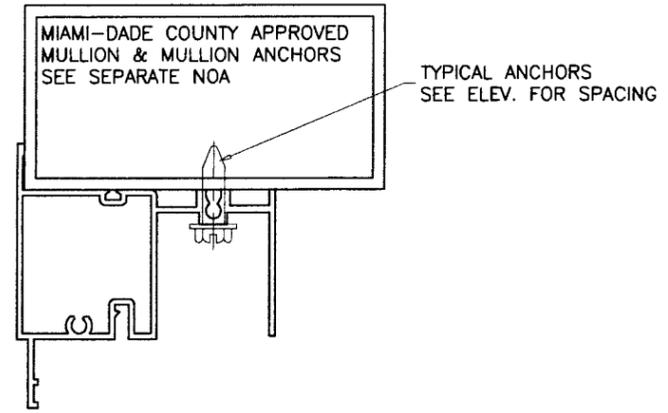
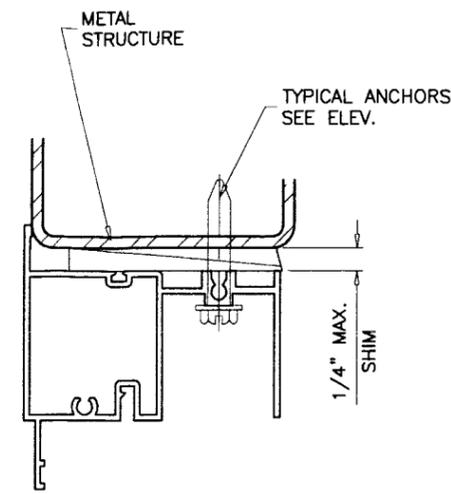
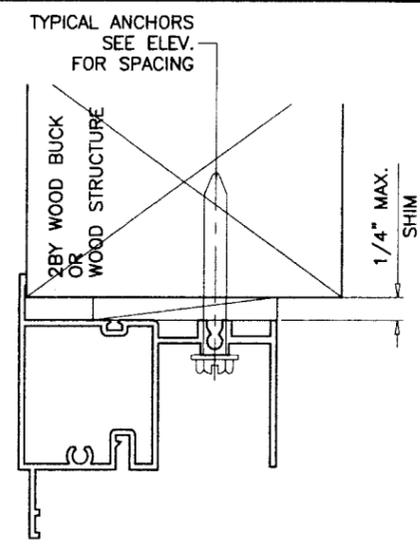
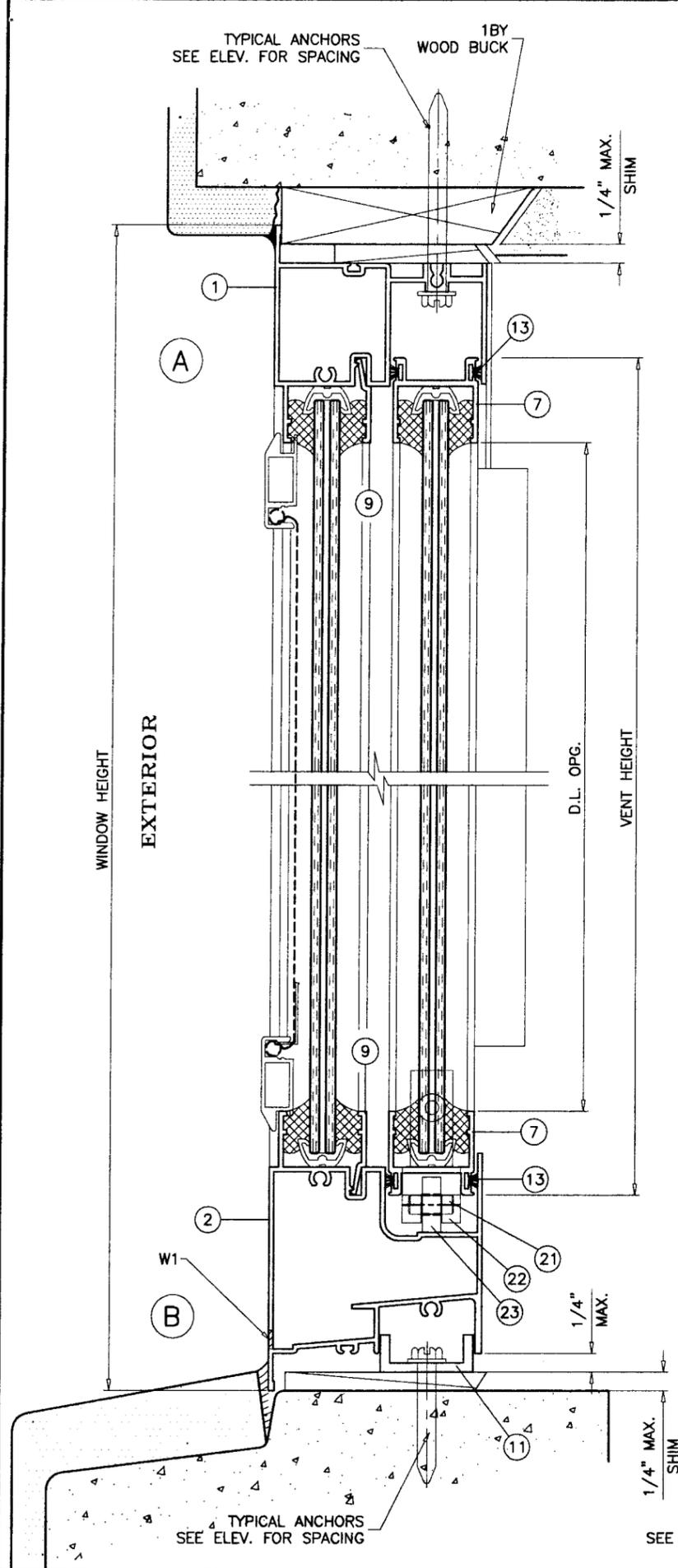
HR100 ALUM HORIZ. SLIDING WDW. (L.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

no	date	description
A	09.22.06	UPDATED FOR 2004 FBC
B	09.19.08	UPDATED FOR 2007 FBC

date: 05-04-04
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:
drawing no.
W04-36
sheet 1 of 4

no	date	by	description
A	09.22.06		UPDATED FOR 2004 FBC
B	09.19.08		NO CHANGE THIS SHEET

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



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" HILTI KWIK-CON II
 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

1/4-20 KWIK-FLEX SELF DRILLING SCREWS BY 'HILTI'
 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)

#14 SMS OR SELF DRILLING SCREWS
 INTO DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
 (NO SHIM SPACE)

ANCHOR EDGE DISTANCES
 INTO CONCRETE = 1-3/4" MIN.
 INTO MASONRY BLOCK = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 7/8" MIN.
 INTO METAL STRUCTURE = 1/2" MIN.

SEALANT:
 ALL FRAME AND VENT CORNERS AND INSTALLATION
 SCREWS SEALED WITH SILICONE.

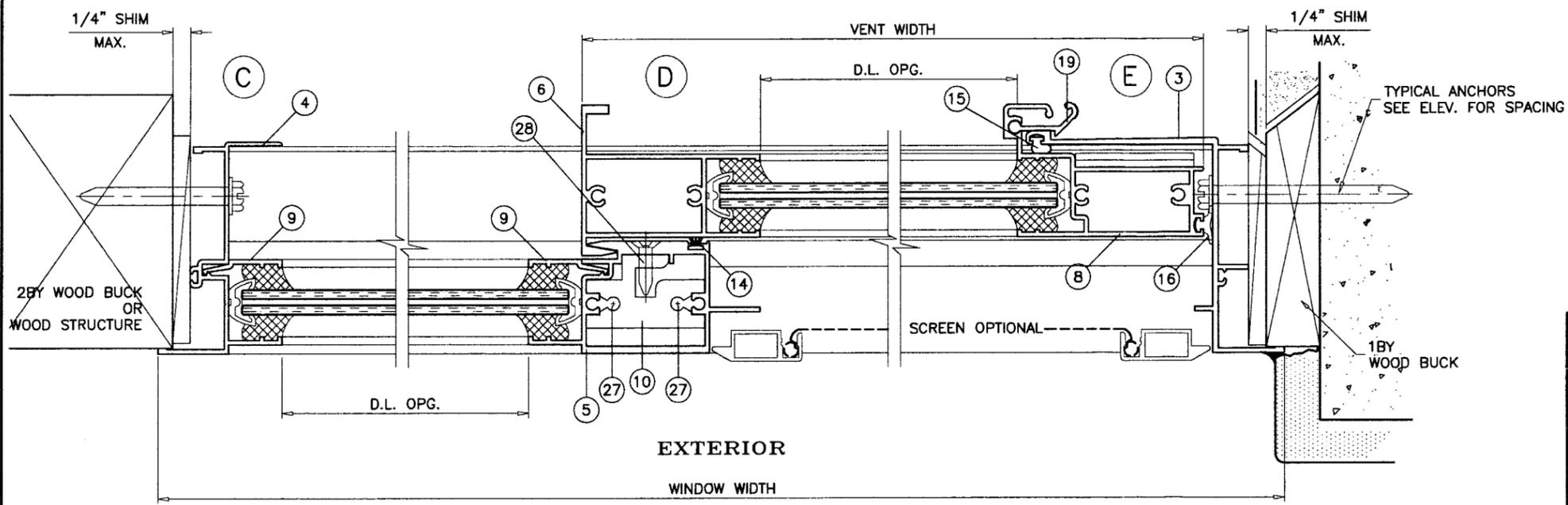
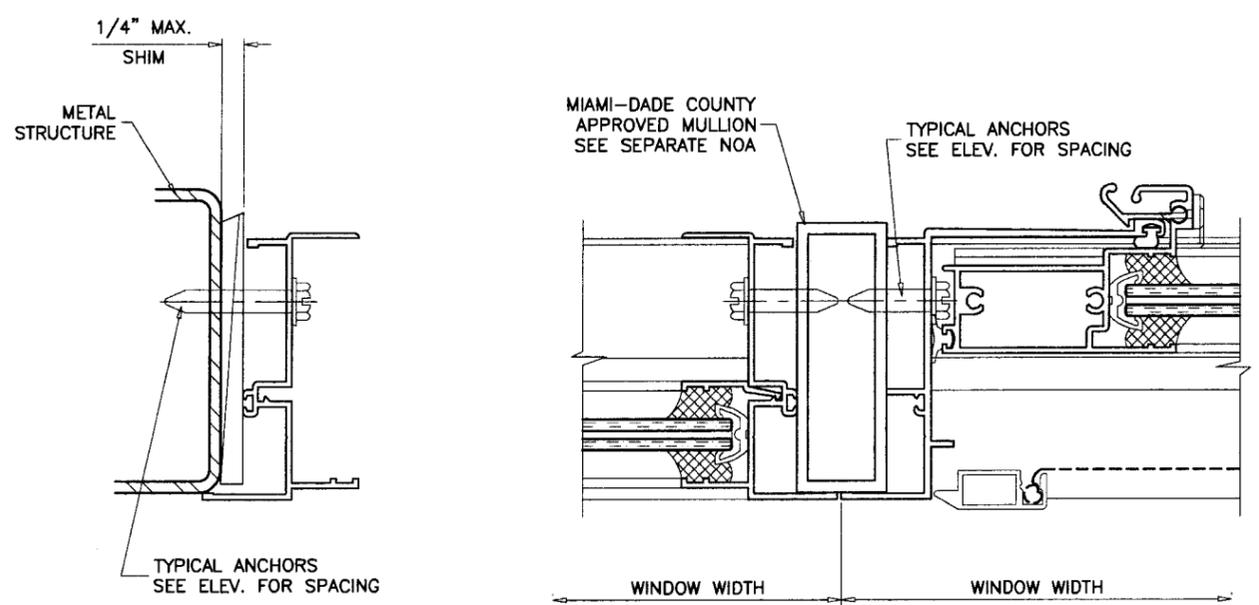
WEEPHOLES:
 W1 = 1/4" X 1" WEEP HOLES AT 5" FROM EACH
 END AND AT MIDSPAN.

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538

SEP 25 2008

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 Acceptance No. **09-0303.04**
 Expiration Date **Aug. 5, 2014**
 By *Manuel Perez*
 Miami Dade Product Control
 Division

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	RS100-001A	1	FRAME HEAD	6063-T5	-
2	RS100-002	1	FRAME SILL	6063-T5	-
3	RS100-007A	1	FRAME JAMB VENT	6063-T5	-
4	RS100-008	1	FRAME JAMB FIXED	6063-T5	-
5	RS100-004	1/	VENT	FIXED RAIL	6063-T5
6	RS100-003	1/	VENT	VENT MEETING RAIL	6063-T5
7	RS100-009	2/	VENT	TOP AND BOTTOM RAIL	6063-T5
8	RS100-006	1/	VENT	JAMB STILE	6063-T5
9	500Y-007	AS REQD.	GLAZING BEAD	6063-T6	-
10	RS100-005	1	SLIDE ANCHOR CLIP	6063-T5	1" LONG
11	-	1	ANCHOR CHANNEL	6063-T6	-
12	-	-	-	-	-
13	W3323INK	4	WEATHER STRIPPING PILE (VENT)	-	-
14	W3323INK	1	WEATHER STRIPPING PILE (MEETING RAIL)	-	-
15	Q-LON	1	Q-375 X 190 WHITE	-	-
16	V-033	1	WEATHER STRIPPING GASKET	NEOPRENE	-
17	V-054	1	VINYL LAM. GLASS	PVC	-
18	V-055	1	VINYL LAM. INSUL. GLASS	PVC	-
19	P-023	2	HANDICAP FINGER LOCK	RIGID VINYL	6" FROM EACH END
20	-	-	-	-	-
21	RS100-MI	2	AXLE PIN	ST./ST.	-
22	P-016	2	WHEEL RETAINER HOUSING	-	-
23	P-024	2	KNURLED AXILE	ST./ST.	-
24	-	-	-	-	-
25	#10 X 1"	AS REQD.	FRAME ASSY. SCREWS	ST. STEEL	PH P.H.
26	#10 X 3/4"	AS REQD.	VENT ASSY. SCREWS	ST. STEEL	MS
27	#10 X 1-1/2"	2	SLIDE CLIP FASTENERS	ST./ST.	PH. P.H.
28	#12 X 3/4"	1	SLIDE CLIP FASTENER	ST./ST.	FH S.M.S.



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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\W04--36RC

HR100 ALUM HORIZ. SLIDING WDW. (L.M.I.)

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no.	date	description
A	09.22.06	UPDATED FOR 2004 FBC
B	09.19.08	NO CHANGE THIS SHEET

revisions:

date: 05-04-04

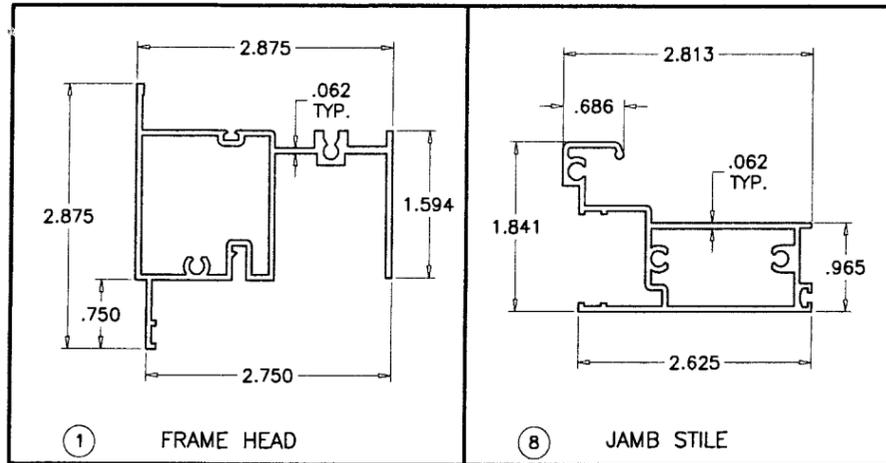
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dr. by: HAMID

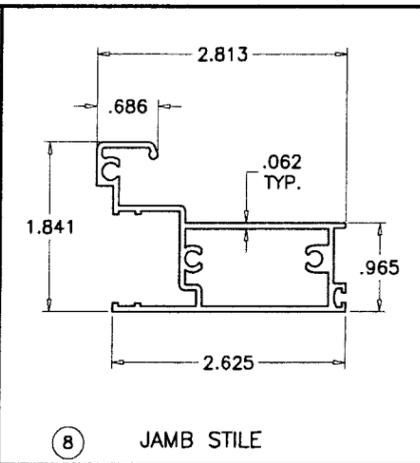
chk. by:

drawing no. **W04-36**

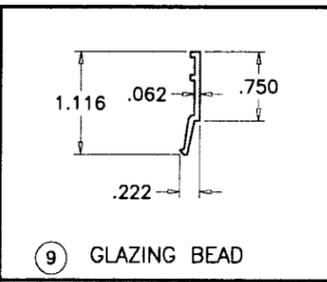
sheet 3 of 4



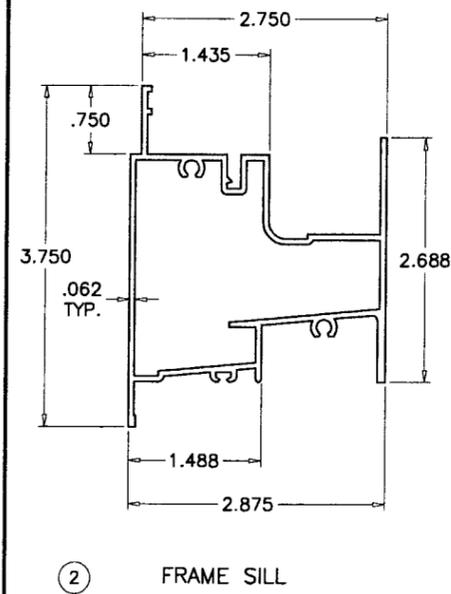
1 FRAME HEAD



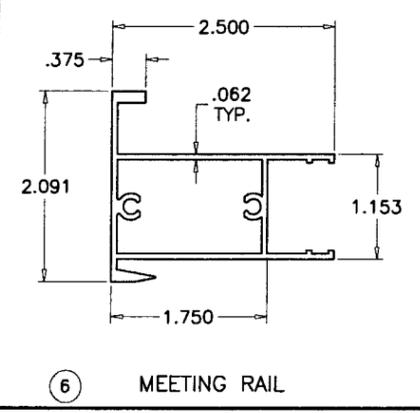
8 JAMB STILE



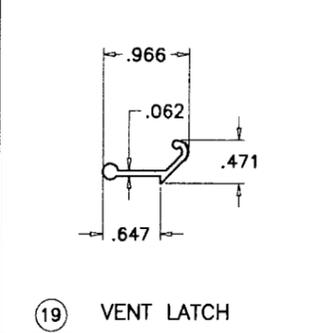
9 GLAZING BEAD



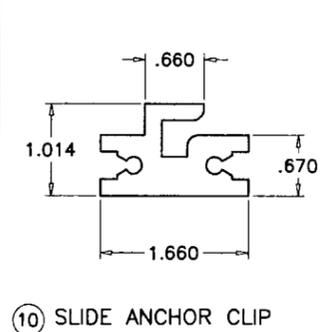
2 FRAME SILL



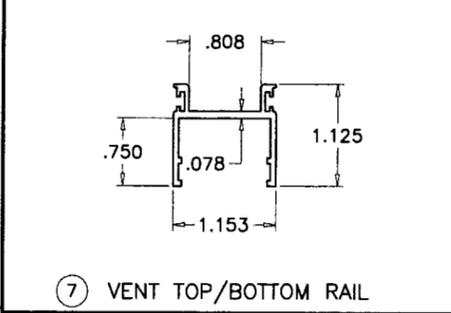
6 MEETING RAIL



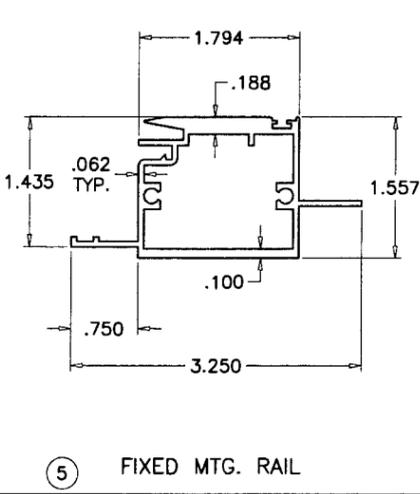
19 VENT LATCH



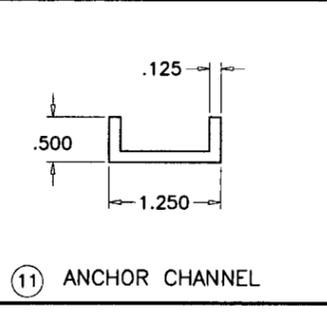
10 SLIDE ANCHOR CLIP



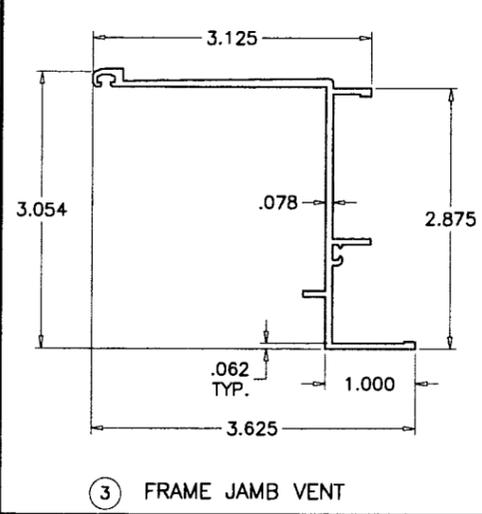
7 VENT TOP/BOTTOM RAIL



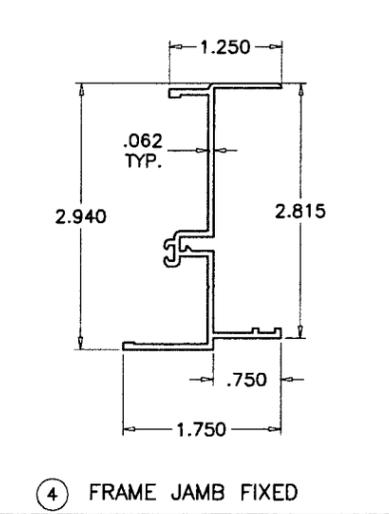
5 FIXED MTG. RAIL



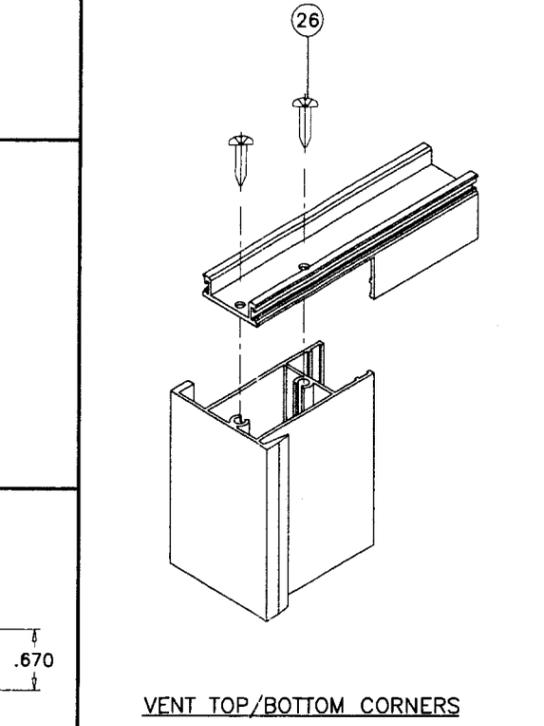
11 ANCHOR CHANNEL



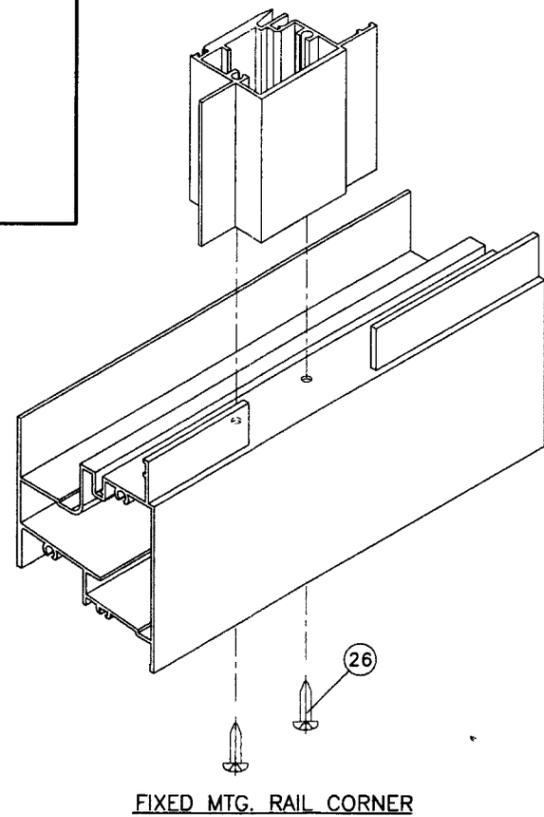
3 FRAME JAMB VENT



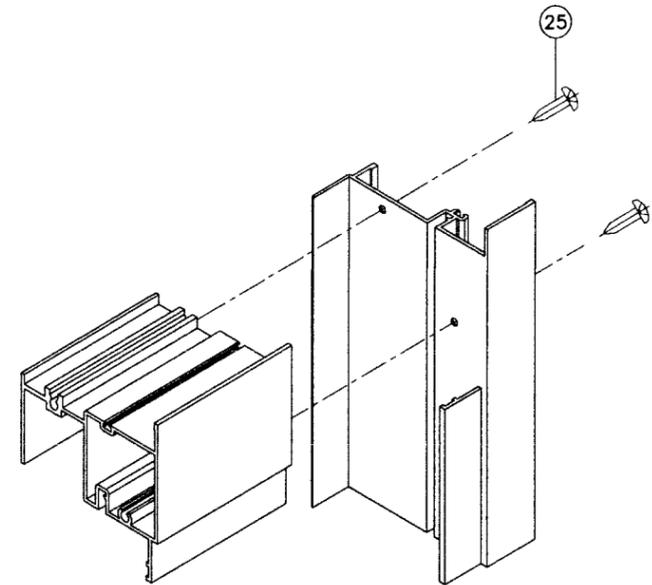
4 FRAME JAMB FIXED



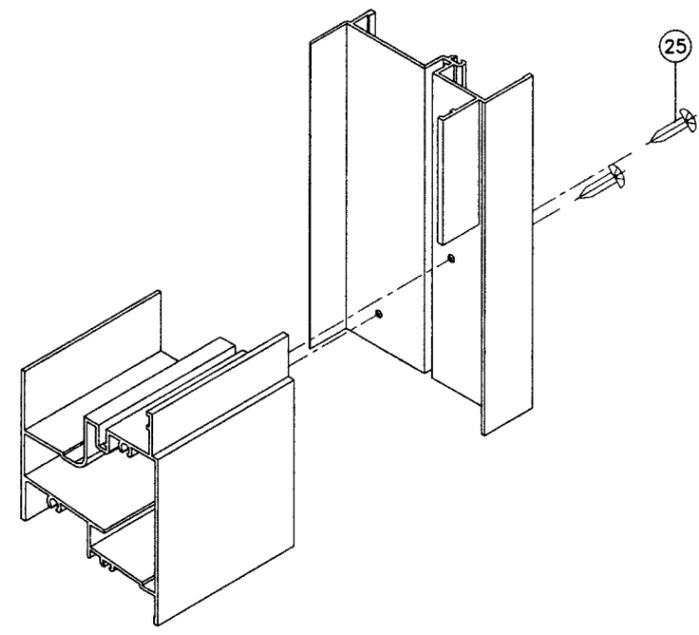
VENT TOP/BOTTOM CORNERS



FIXED MTG. RAIL CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
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afc
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COMP-ANL\W04-36RC

HR100 ALUM HORIZ. SLIDING WDW. (L.M.I.)
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2805 N.W. 75 TH AVE.
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no	date	description
A	08.22.06	UPDATED FOR 2004 FBC
B	09.19.08	NO CHANGE THIS SHEET

revisions:

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

drawing no.
W04-36

sheet 4 of 4