



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 NW 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 "HR100" 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 6 of 6, dated 05/04/04 with revision "D" dated 07/08/10, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control 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 NOA # **09-0303.04** and consists of this page 1, Evidence pages E-1, E-2, E-3, and Green Sustainable Attributes page G-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 10-0426.10
Expiration Date: August 05, 2014
Approval Date: August 04, 2010
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W04-36**, Sheets 1 through 6 of 6, titled "HR100 Alum. Horiz. Sliding Wdw. (L.M.I.)", dated 05/04/04 with revision D dated 07/08/10, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmed, 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) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Kinetic Energy Drop Load Test (400 Ft. Lb.), per ANSI Z97.1along with marked-up drawings and installation diagram of an outswing aluminum Casement window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6078**, dated 12/05/09, signed and sealed by Julio E. Gonzalez, P.E.
2. Test reports on:
 - 1) Large Missile Impact Test per FBC, TAS 201-94
 - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94along 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)*
3. 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 202-94along 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)*
4. Test reports on:
 - 1) Large Missile Impact Test per FBC, TAS 201-94
 - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94along 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)*
5. 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)*


Manuel Perez, P.E.
Product Control Examiner
NOA No. 10-0426.10
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C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 02/09/10, signed and sealed by Javad Ahmad, P.E.
Complies with ASTM E1300-04

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **09-0312.03** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/13/09, expiring on 01/14/12.
2. Notice of Acceptance No. **05-1208.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite PVB Interlayer**" dated 01/05/06, expiring on 12/11/10.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated March 09, 2010, signed and sealed by Javad Ahmad, P.E.
2. Proposal # **08-1635** issued by BCCO to R.C. Aluminum Industries, Inc., dated 11/24/08, signed by Renzo Narciso, Engineer 1, Product Control Division.

G. OTHER

1. Notice of Acceptance No. **09-0303.04**, issued to R.C. Aluminum Industries, Inc. for their Series "HR100" Aluminum Horizontal Sliding Window – L.M.I., approved on 06/17/09 and expiring on 08/05/14.
2. Simulation Performance, Solar Heat Gain Coefficient, Visible Transmittance, & Condensation Resistance Calculation Report on:
 - 1) **NFRC 100-2004** "Procedure for Determining Fenestration Product U-Factors"
 - 2) **NFRC 200-2004** "Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence"
 - 3) **NFRC 500-2004** "Procedure for Determining Fenestration Product Condensation Resistance Values"Using computer simulation in accordance with NFRC: Frame and Edge Modeling: THERM 5.x, / WINDOW 5.x NFRC Simulation Manual (Approved at test date), of a RC Aluminum's "HR100" Horizontal Slider, along with attached drawings and bill of materials included in Appendix A, marked-up by National Certified Testing Laboratories, Test Report No. **NCTL-110-12455.01**, pages 1 through 7 of 7, dated 11/16/09, signed by Richard A. McVicker III, Simulator, and Steven H. Coble, NFRC Accredited Simulator, Simulator-In-Responsible-Charge.


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3. NFRC 102-2004 Thermal Performance Test Report on:
 - 1) **NFRC 102-2004** "Test Procedure for Measuring the Steady State Thermal Transmittance of Fenestration Systems"
Test report of a series RC Aluminum's Series "HR100" Type XO Horizontal Sliding Aluminum Prime Window with Low E and Argon, along with submittal component drawings, with applicable part numbers, manufacturing and modeling details included in Appendix A, marked-up by National Certified Testing Laboratories, Test Report No. **NCTL-110-12456-1**, pages 1 through 4 of 4, dated 11/20/09, signed by Christian J. Mitchell, Technician, and Robert H. Zeiders, P.E., Vice-President Engineering & Quality Person-In-Responsible Charge.
4. Recycled Content Determination Report on:
Name: Horizontal Roller Window, HR100
Raw Material: Aluminum
Including letter from **Fundiciones Industriales S.A. (FISA)** dated March 22, 2010, certifying that the extruded aluminum products contained 30% recycled scrap material, signed by Henry Kronfle, Vice-President.


Manuel Perez, P.E.
Product Control Examiner
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R.C. Aluminum Industries, Inc.

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GREEN SUSTAINABLE ATTRIBUTES (GSA)

SCOPE: This document is solely for the purpose of verification of Sustainable Attributes of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division.

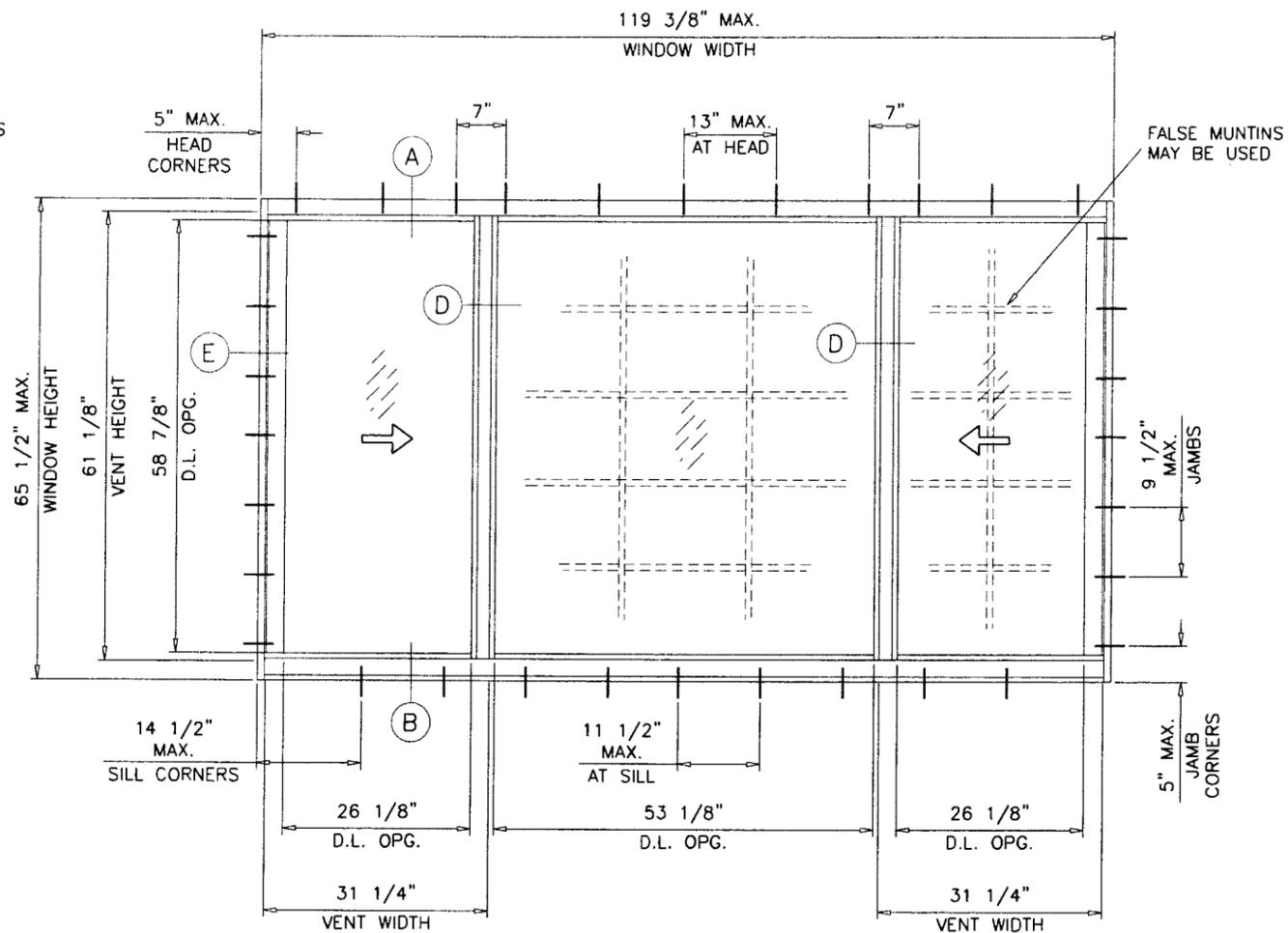
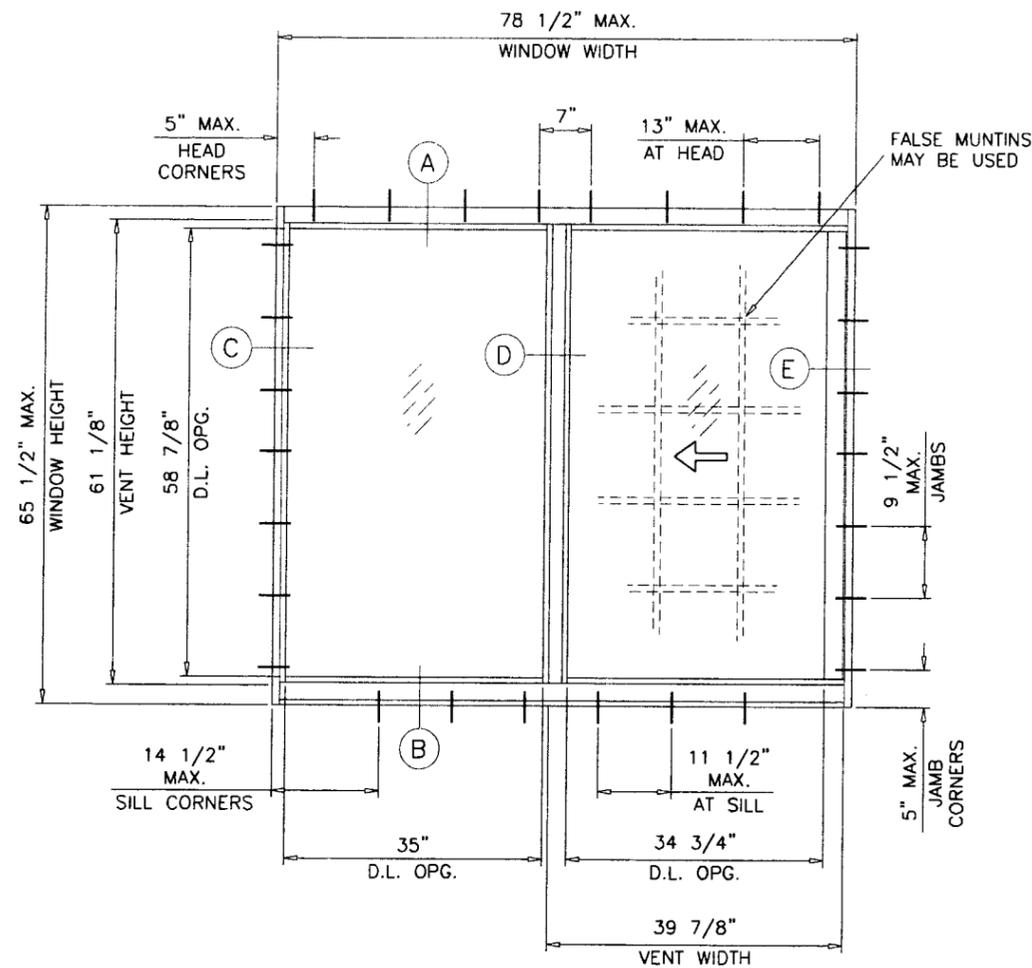
G.4 - RECYCLED CONTENT / BIO-BASED MATERIAL / RAPIDLY RENEWABLE MATERIAL				
<u>Component Name</u>	<u>% Recycled Content at Manuf.</u>	<u>% Recycled at Disposal</u>	<u>% Bio-based Material</u>	<u>% Renewable Material</u>
1. Window Aluminum	30%	100%	N/A	N/A

G.8 – U-FACTOR (THERMAL TRANSMITTANCE) BTU/HR-FT²-°F							
G.9 – SHGC-FACTOR (SOLAR HEAT GAIN COEFFICIENT) BTU/HR-FT²							
VT – VISIBLE LIGHT TRANSMITTANCE AT NORMAL INCIDENCE							
CR - CONDENSATION RESISTANCE							
ID#	Test Report#:	Product Number	Glazing Components:	G.8: U-Factor	G.9: SHGC	VT	CR
	Base line Product	000	5/32 CLR_240#2-SS-D_ARG_BRZ-1/8_090 PVB_1/8	0.65	0.20	0.21	15
1.	NCTL 110-12456-1	001	5/32 CLR_240#2-SS-D_ARG_BRZ-1/8_090 PVB_1/8	0.65	0.20	0.21	15
2.		002	5/32 CLR_240#2-SS-D_ARG_CLR-1/8_090 PVB_1/8	0.65	0.21	0.28	15
3.		003	5/32 CLR_240#2-SS-D_ARG_GRN-1/8_090 PVB_1/8	0.65	0.20	0.19	15
4.		004	5/32 CLR_240#2-SS-D_ARG_GRY-1/8_090 PVB_1/8	0.65	0.26	0.26	15

Legend	
Abbreviation:	Description:
SS-D	Desiccant-Filled Stainless Steel Spacer
240#2	Cardinal Low E 240 @ #2 Surface Typical
ARG	90% Argon
PVB	.090" Poly Vinyl Butyral (PVB) interlayer
CLR	Clear Glass
BRZ	Bronze Tint Glass
GRN	Green Tint Glass
GRY	Gray Tint Glass

G.10 – C-FACTOR (THERMAL CONDUCTANCE) BTU/HR-FT²-°F	
<u>Component Name</u>	<u>C-Value</u>
1. Whole Window	1.53


 Manuel Perez, P.E.
 Product Control Examiner
 NOA No. 10-0426.10
 Expiration Date: August 05, 2014
 Approval Date: August 04, 2010



TYPICAL ELEVATIONS

HR100 ALUM HORIZ. SLIDING WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 3.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.R./H.R. OR HORIZONTAL ROLLING WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 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.

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

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
JUL 09 2010

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No 10-0426.10
Expiration Date AUG. 5, 2014
By: *Mamuel Peres*
Miami/Dade Product Control
Division

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\W04-36RC

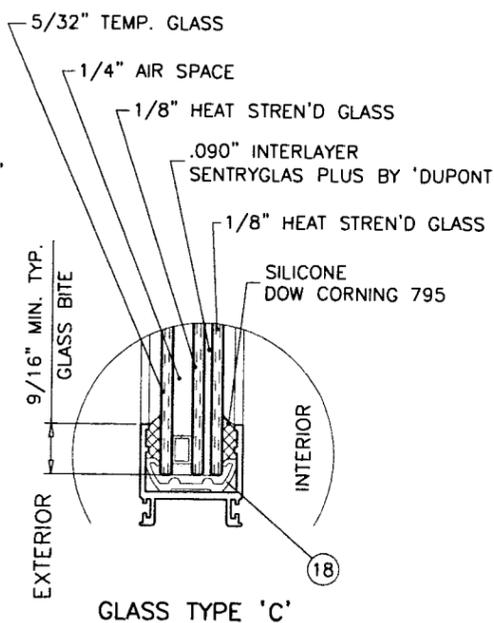
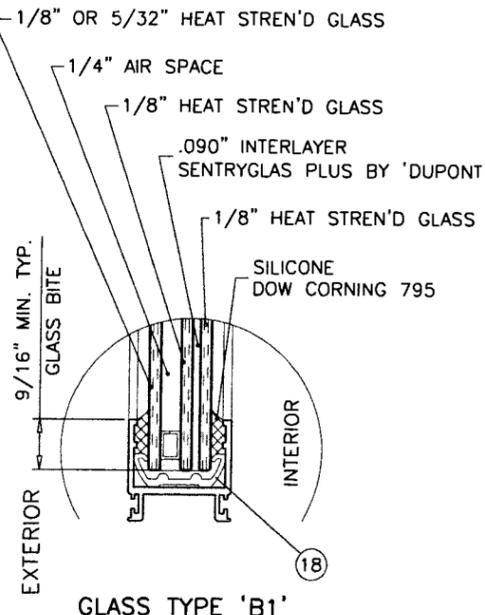
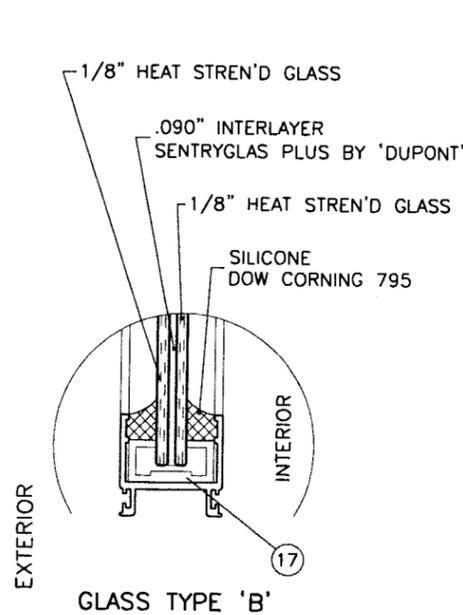
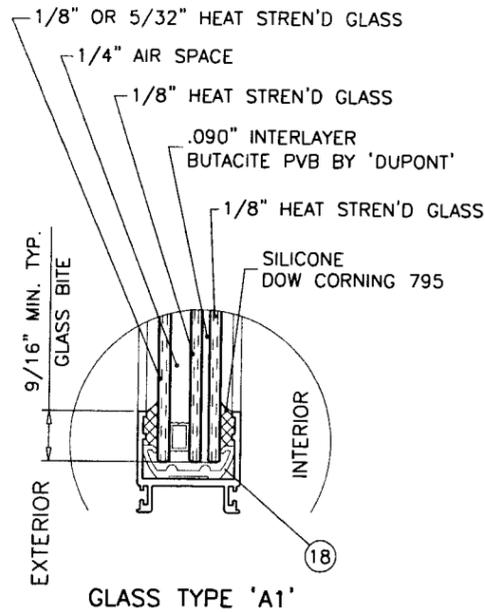
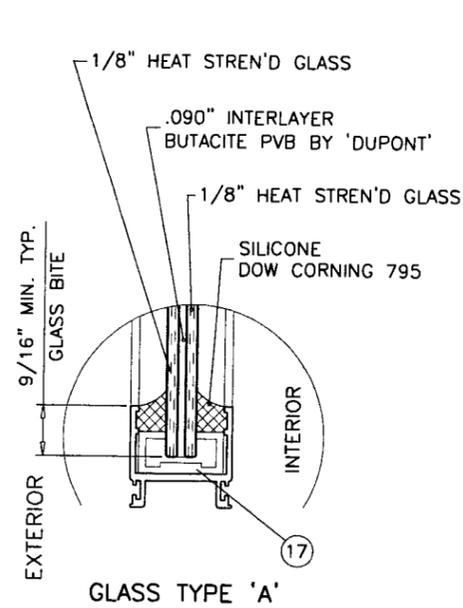
HR100 ALUM HORIZ. SLIDING WDW. (L.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

no	date	description
A	09.22.06	UPDATED FOR 2004 FBC
B	09.19.08	UPDATED FOR 2007 FBC
C	03.16.10	GENERAL REVISION
D	07.08.10	NO CHANGE THIS SHEET

date: 05-04-04
scale: 1/2" = 1'-0"
dr. by: HAMID
chk. by:

drawing no.
W04-36

sheet 1 of 6



GLAZING OPTIONS

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	RS100-001A	1	FRAME HEAD	6063-T6	-
2	RS100-002	1	FRAME SILL	6063-T6	-
3	RS100-007A	1	FRAME JAMB VENT	6063-T6	-
4	RS100-008	1	FRAME JAMB FIXED	6063-T6	-
5	RS100-004	1/ VENT	FIXED RAIL	6063-T6	-
6	RS100-003	1/ VENT	VENT MEETING RAIL	6063-T6	-
7	RS100-009	2/ VENT	TOP AND BOTTOM RAIL	6063-T6	-
8	RS100-006	1/ VENT	JAMB STILE	6063-T6	-
9	500Y-007	AS REQD.	GLAZING BEAD	6063-T6	-
10	RS100-005	1	SLIDE ANCHOR CLIP	6063-T6	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	P-049	AS REQD.	GLAZING INSERT	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	KNURLE AXLE PIN	ST./ST.	-
22	P-016	2	WHEEL RETAINER HOUSING	-	-
23	P-024	2	WHEEL	BRASS	-
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.

NOTE:
IN ORDER TO QUALIFY FOR SMALL MISSILE IMPACT RATING
EXTERIOR PLY OF GLASS TYPES 'A1' & 'B1' MUST BE TEMPERED.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
JA
JUL 09 2010

PRODUCT REVISED
in compliance with the Florida
Building Code
Amendment No. 10-0426, 10
Adoption Date: AUG. 5, 2014
Manuel Perez
Product Control
Division

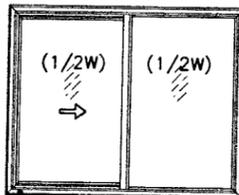
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COMP-ANL\W04-36RC

HR100 ALUM HORIZ. SLIDING WDW. (L.M.I.)
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no	date	description
C	03.16.10	GENERAL REVISION
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date: 05-04-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:
drawing no. **W04-36**
sheet 2 of 6

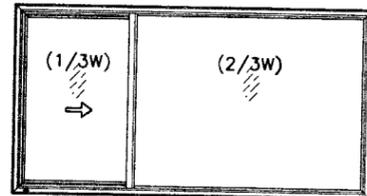
DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)			
WINDOW DIMS.		GLASS TYPES A, A1, B, B1 & C	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
26-1/2"	26"	80.0	80.0
37"		80.0	80.0
53-1/8"		80.0	80.0
26-1/2"	38-3/8"	80.0	80.0
37"		80.0	80.0
53-1/8"		80.0	80.0
26-1/2"	50-5/8"	80.0	80.0
37"		80.0	80.0
53-1/8"		80.0	80.0
26-1/2"	63"	80.0	80.0
37"		80.0	80.0
53-1/8"		80.0	80.0
24"	24"	80.0	80.0
36"		80.0	80.0
48"		80.0	80.0
60"		80.0	80.0
72"		80.0	80.0
78-1/2"		80.0	80.0
24"	36"	80.0	80.0
36"		80.0	80.0
48"		80.0	80.0
60"		80.0	80.0
72"		80.0	80.0
78-1/2"		80.0	80.0
24"	48"	80.0	80.0
36"		80.0	80.0
48"		80.0	80.0
60"		80.0	80.0
72"		80.0	80.0
78-1/2"		80.0	80.0
24"	60"	80.0	80.0
36"		80.0	80.0
48"		80.0	80.0
60"		80.0	80.0
72"		80.0	80.0
78-1/2"		80.0	80.0
24"	65-1/2"	80.0	80.0
36"		80.0	80.0
48"		80.0	80.0
60"		80.0	80.0
72"		80.0	80.0
78-1/2"		80.0	80.0



OPERATING VENTS TO BE 1/2 OF THE WINDOW WIDTH

'XO OR OX'

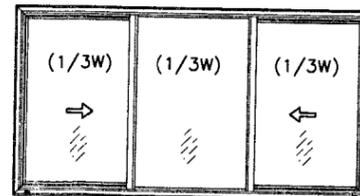
DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)			
WINDOW DIMS.		GLASS TYPES B, B1 & C	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
55-1/2"	26"	80.0	80.0
79-11/16"		80.0	80.0
55-1/2"		80.0	80.0
79-11/16"	38-3/8"	80.0	80.0
55-1/2"		80.0	80.0
79-11/16"		80.0	80.0
55-1/2"	50-5/8"	80.0	80.0
79-11/16"		80.0	80.0
55-1/2"		80.0	80.0
79-11/16"	63"	80.0	80.0
55-1/2"		80.0	80.0
79-11/16"		80.0	80.0
63"	36"	80.0	80.0
67-1/2"		80.0	80.0
72"		80.0	80.0
76-1/2"		80.0	80.0
81"		80.0	80.0
85-1/2"		80.0	80.0
90"	48"	80.0	80.0
63"		80.0	80.0
67-1/2"		80.0	80.0
72"		80.0	80.0
76-1/2"		80.0	80.0
81"		80.0	80.0
85-1/2"	60"	80.0	80.0
90"		80.0	80.0
63"		80.0	80.0
67-1/2"		80.0	80.0
72"		80.0	80.0
76-1/2"		80.0	80.0
81"	65-1/2"	80.0	80.0
85-1/2"		80.0	80.0
90"		80.0	80.0
63"		80.0	80.0
67-1/2"		80.0	80.0
72"		80.0	80.0
76-1/2"	65-1/2"	80.0	80.0
81"		80.0	80.0
85-1/2"		80.0	80.0
90"		80.0	80.0
63"		80.0	80.0
67-1/2"		80.0	80.0
72"	65-1/2"	80.0	80.0
76-1/2"		80.0	80.0
81"		80.0	80.0
85-1/2"		80.0	80.0
90"		80.0	80.0
63"		65-1/2"	80.0
67-1/2"	80.0		80.0
72"	80.0		80.0
76-1/2"	80.0		80.0
81"	80.0		80.0
85-1/2"	80.0		80.0
90"	80.0	80.0	



OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

'XO OR OX'

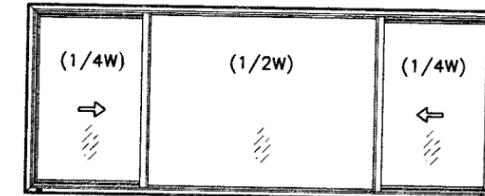
DESIGN LOAD CAPACITY - PSF (XOX SIZES)			
WINDOW DIMS.		GLASS TYPES A, A1, B, B1 & C	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
74"	26"	80.0	80.0
106-1/4"		80.0	80.0
74"		80.0	80.0
106-1/4"	38-3/8"	80.0	80.0
74"		80.0	80.0
106-1/4"		80.0	80.0
74"	50-5/8"	80.0	80.0
106-1/4"		80.0	80.0
74"		80.0	80.0
106-1/4"	63"	80.0	80.0
74"		80.0	80.0
106-1/4"		80.0	80.0
84"	36"	80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
108"		80.0	80.0
114"		80.0	80.0
120"	48"	80.0	80.0
84"		80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
108"		80.0	80.0
114"	60"	80.0	80.0
120"		80.0	80.0
84"		80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
103"	65-1/2"	80.0	80.0
108"		80.0	80.0
114"		80.0	80.0
120"		80.0	80.0
84"		80.0	80.0
90"		80.0	80.0
96"	65-1/2"	80.0	80.0
102"		80.0	80.0
108"		80.0	80.0
114"		80.0	80.0
120"		80.0	80.0
119-1/4"		80.0	80.0



OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

'XOX'

DESIGN LOAD CAPACITY - PSF (XOX SIZES)			
WINDOW DIMS.		GLASS TYPES B, B1 & C	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
74"	26"	80.0	80.0
106-1/4"		80.0	80.0
74"		80.0	80.0
106-1/4"	38-3/8"	80.0	80.0
74"		80.0	80.0
106-1/4"		80.0	80.0
74"	50-5/8"	80.0	80.0
106-1/4"		80.0	80.0
74"		80.0	80.0
106-1/4"	63"	80.0	80.0
74"		80.0	80.0
106-1/4"		80.0	80.0
84"	36"	80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
108"		80.0	80.0
114"		80.0	80.0
120"	48"	80.0	80.0
84"		80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
108"		80.0	80.0
114"	60"	80.0	80.0
120"		80.0	80.0
84"		80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
108"	65-1/2"	80.0	80.0
114"		80.0	80.0
120"		80.0	80.0
84"		80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"	65-1/2"	80.0	80.0
108"		80.0	80.0
114"		80.0	80.0
120"		80.0	80.0
84"		80.0	80.0
90"		80.0	80.0
96"	65-1/2"	80.0	80.0
102"		80.0	80.0
108"		80.0	80.0
114"		80.0	80.0
120"		80.0	80.0
119-1/4"		80.0	80.0



OPERATING VENTS TO BE 1/4 OF THE WINDOW WIDTH

'XOX'

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

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

[Signature]
JUL 09 2010

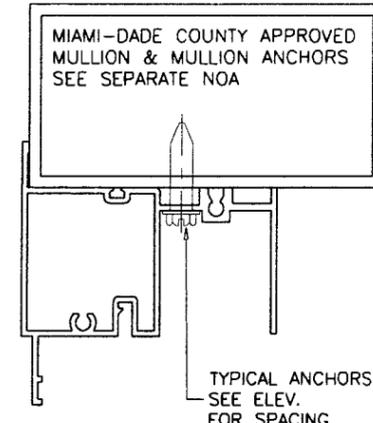
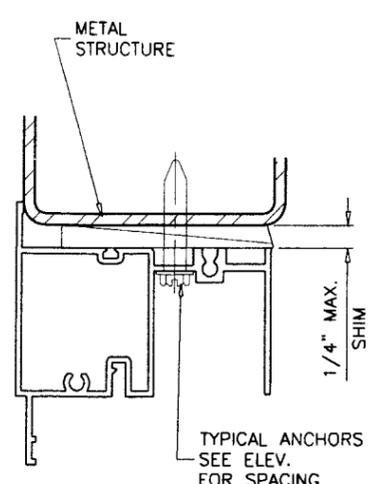
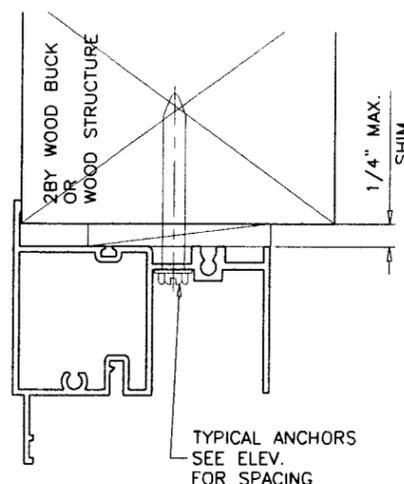
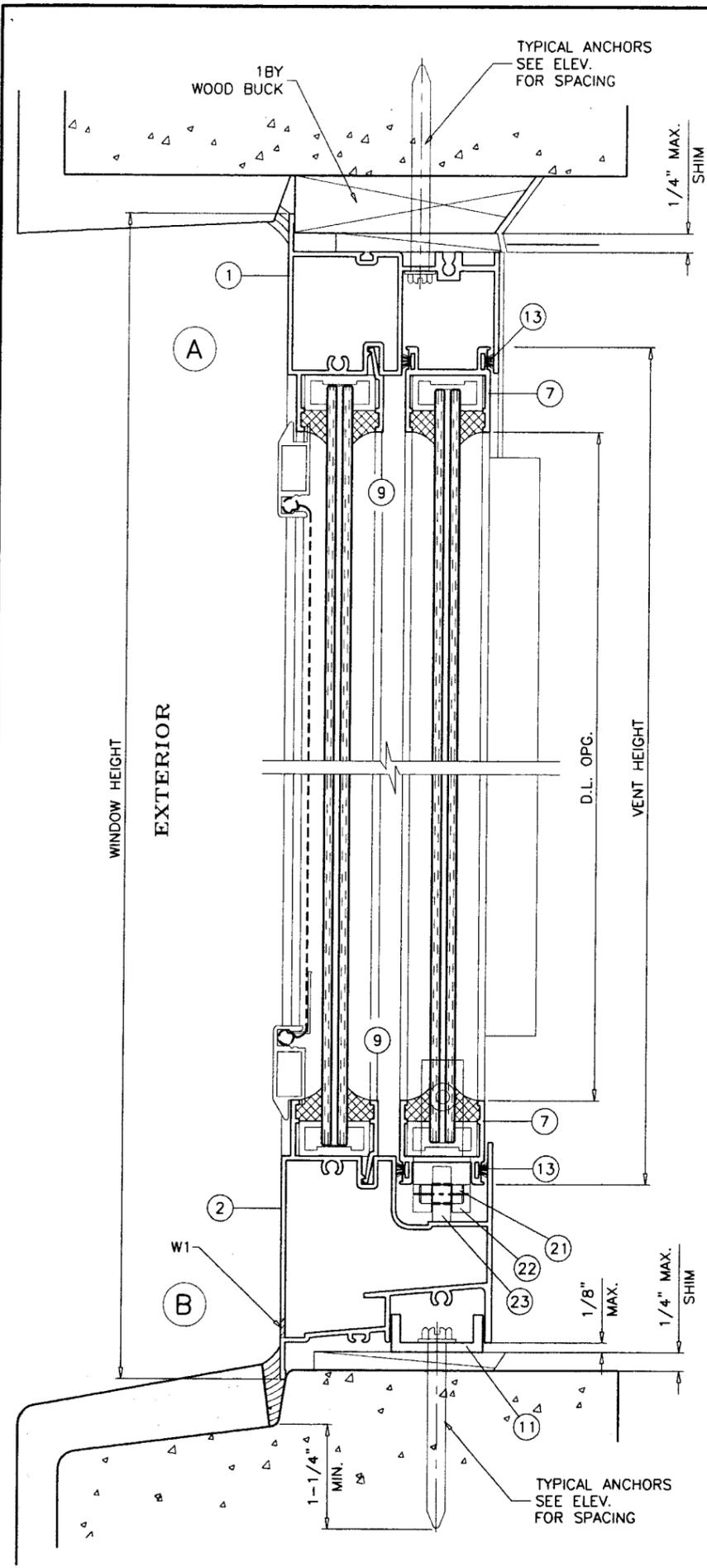
PRODUCT REVISED
as complying with the Florida
Building Code
Approval No. 10-0426.10
Expiration Date AUG. 5, 2014
By *[Signature]*
Miami Dade Product Control
Division

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 \ 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

revisions:	no	date	description
	C	03.16.10	GENERAL REVISION
	D	07.08.10	REV. PER BCCO COMMENTS

date: 05-04-04
scale: -
dr. by: HAMID
chk. by:
drawing no. **W04-36**
sheet 3 of 6



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

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.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. KWIK-CON II BY 'HILTI' (Fu=163 KSI, Fy=157 KSI)

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
1-1/2" MIN. EMBED INTO CONC. OR MASONRY

#14 SELF DRILLING SCREWS (GRADE 5 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")

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)

TYPICAL EDGE DISTANCE

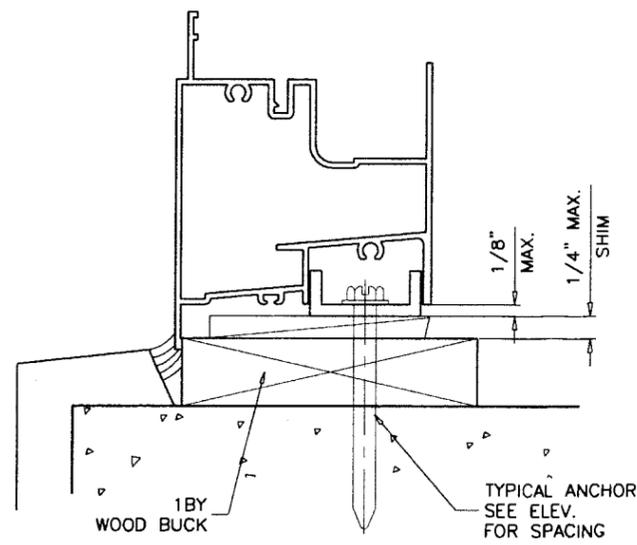
INTO CONCRETE AND MASONRY = 1-3/4" MIN.

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

J.A.
JUL 09 2010

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Association No. 10-0426.10
Expiration Date AUG 5, 2014

Manuel Perez
Miami Dade Product Control
Division

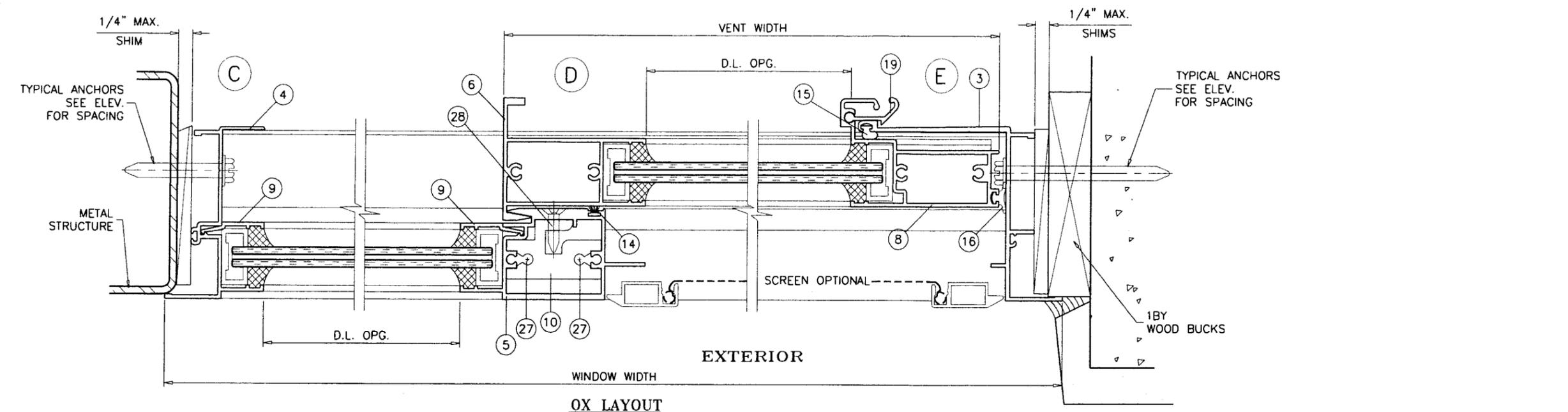
AL-FAROQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
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2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
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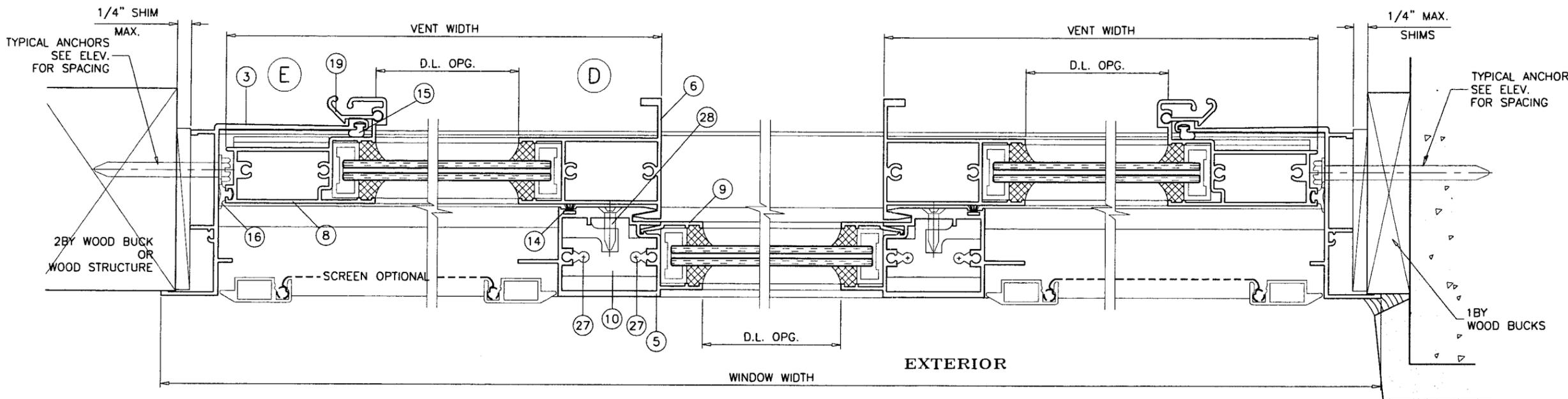
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B	09.19.08		NO CHANGE THIS SHEET
C	03.16.10		GENERAL REVISION
D	07.08.10		NO CHANGE THIS SHEET

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

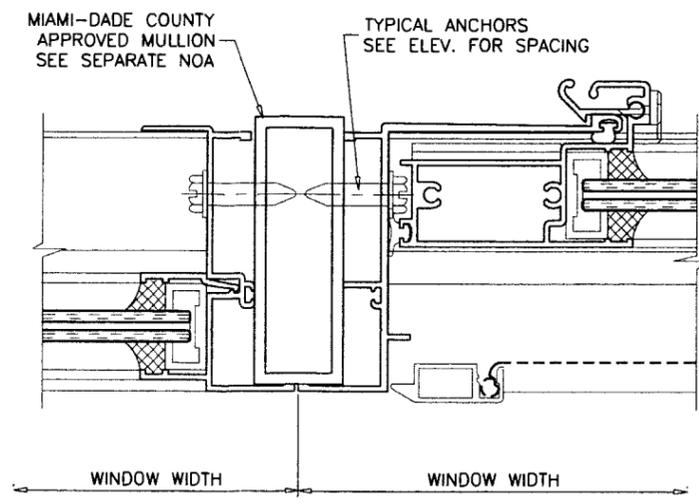
drawing no.
W04-36
sheet 4 of 6



OX LAYOUT



XOX LAYOUT



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

JUL 09 2010

PRODUCT REVISED
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 Acceptance No. 10-0426.10
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By *Manuel Jerez*
 Miami-Dade Product Control
 Division

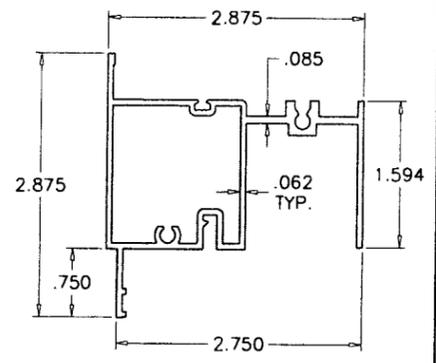
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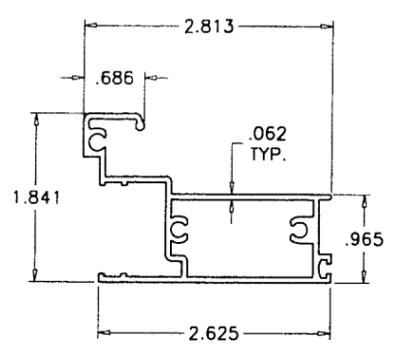
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 dr. by: HAMID
 chk. by:

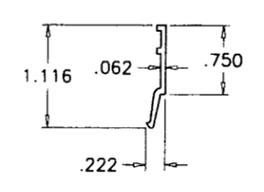
drawing no.
W04-36
 sheet 5 of 6



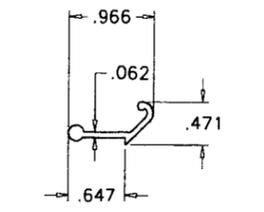
1 FRAME HEAD



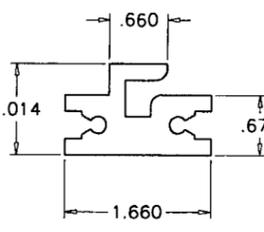
8 JAMB STILE



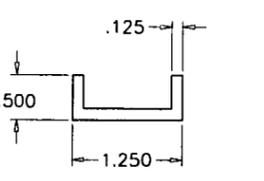
9 GLAZING BEAD



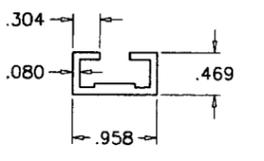
19 VENT LATCH



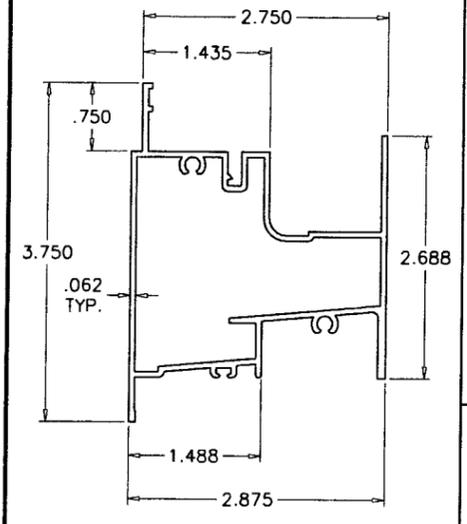
10 SLIDE ANCHOR CLIP



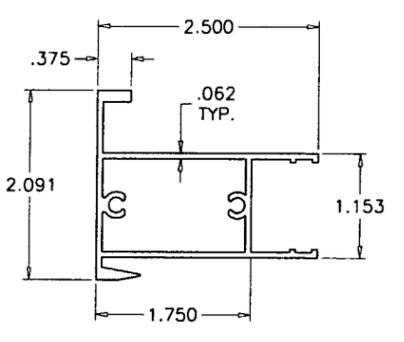
11 ANCHOR CHANNEL



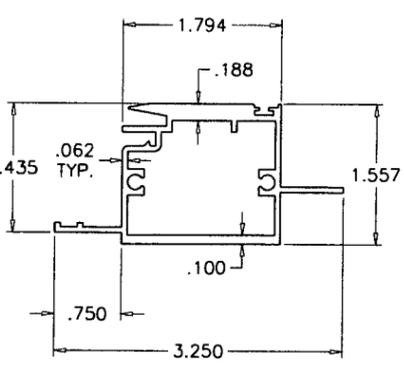
17 GLAZING INSERT PVC



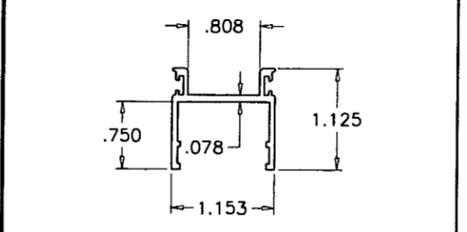
2 FRAME SILL



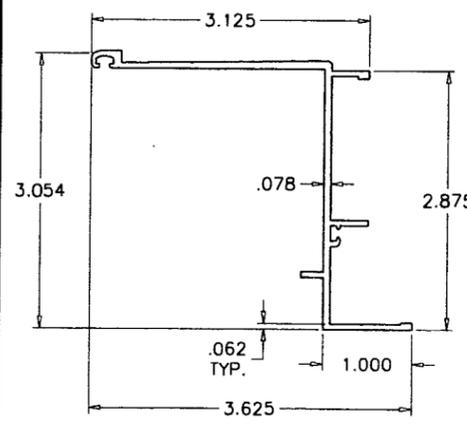
6 MEETING RAIL



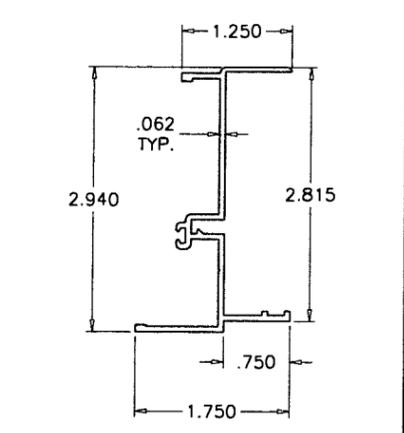
5 FIXED MTG. RAIL



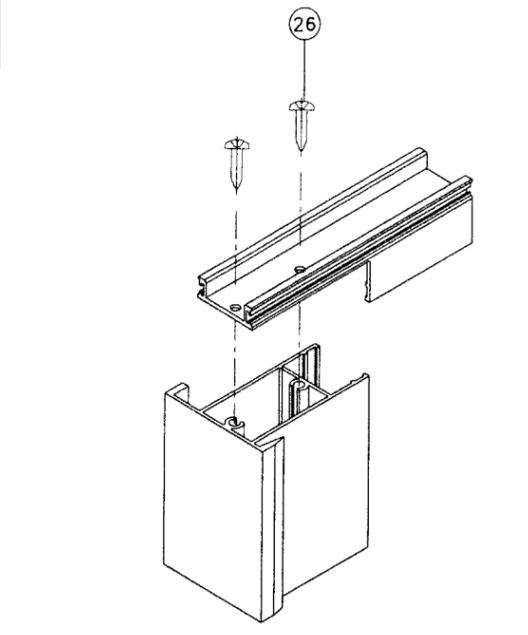
7 VENT TOP/BOTTOM RAIL



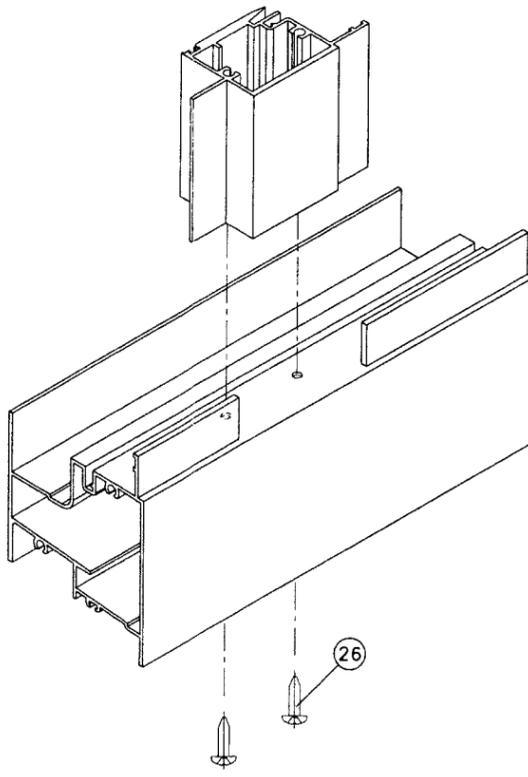
3 FRAME JAMB VENT



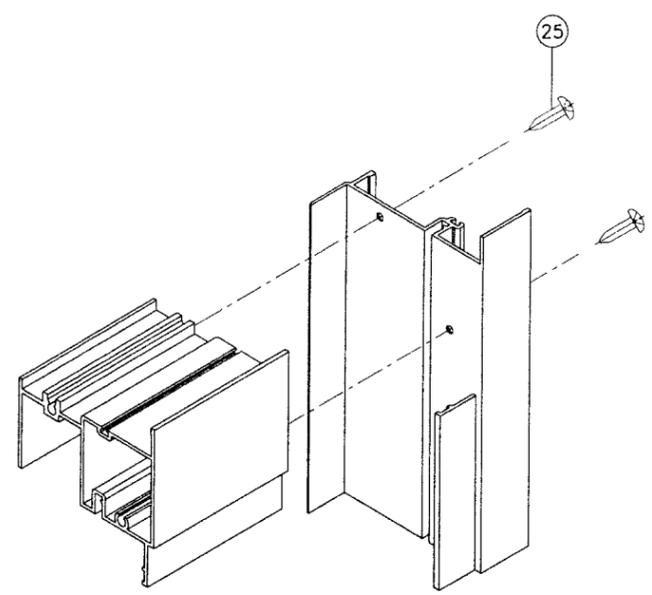
4 FRAME JAMB FIXED



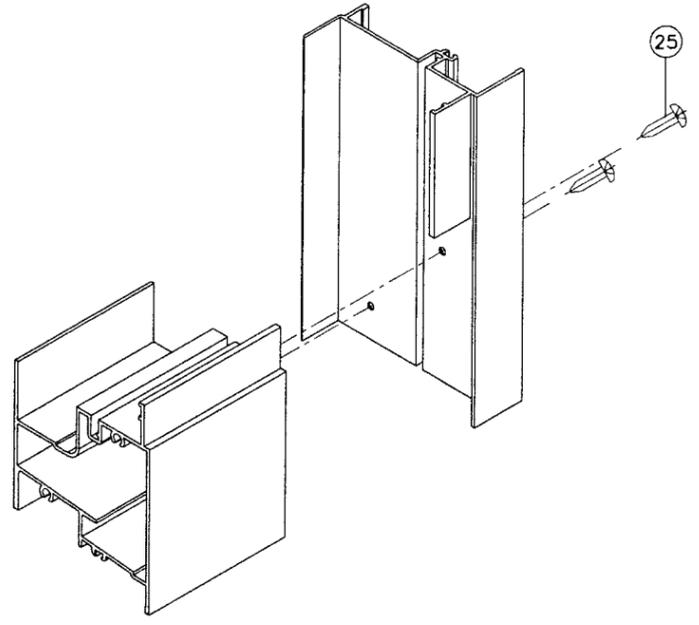
VENT TOP/BOTTOM CORNERS



FIXED MTG. RAIL CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER

Engr: JAVAD AHMAD
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 FLA. PE # 70592
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 Manual Made Product Control
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afC
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drawing no.
W04-36
 sheet 6 of 6