MIAMI-DADE COUNTY
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
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

RC Home Showcase, Inc.
2970 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 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 "CM100" Outswing Aluminum Casement Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W04-16**, titled "CM100 Aluminum Casement Window (L.M.I.)", sheets 1 through 11 of 11, dated 03/01/04, with revision **J** dated 11/10/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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

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

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

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

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

This NOA **revises NOA No. 13-1112.10** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4 and Green Sustainable Attribute (G.S.A.) page G-1, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY APPROVED

1/4/16

NOA No. 15-0416.02
Expiration Date: July 29, 2019
Approval Date: January 14, 2016

RC Home Showcase, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
   (Submitted under NOA No. 11-0932.06)
2. Drawing No. **W04-16**, titled "CM100 Aluminum Casement Window (L.M.I.)", sheets 1 through 11 of 11, dated 03/01/04, with revision **J** dated 11/10/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94

   along with marked-up drawings and installation diagram of an outswing aluminum casement window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6439,** dated 02/21/11, signed and sealed by Marlin D. Brinson, P.E.
   (Submitted under NOA No. 11-0922.06)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Drop Load Test (400 Ft. Lb.), per ANSI Z97.1

   along with marked-up drawings and installation diagram of an outswing aluminum Casement window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–5867,** dated 05/02/09, signed and sealed by Julio E. Gonzalez, P. E.
   (Submitted under NOA No. 10-0426.09)
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 and TAS 202-94

   along with marked-up drawings and installation diagram of aluminum casement window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-03-1346**, dated 09/16/03, signed and sealed by Rafael E. Droz-Seda, P.E.
   (Submitted under NOA No. 06-1130.01)

Manuel Perez, P.E.
Product Control Examiner
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B. TESTS (CONTINUED)

4. 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 aluminum casement window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-03-1848**, dated 09/17/03, **HETI-03-1856**, dated 09/17/03 and **HETI-03-1859**, dated 01/16/04, all signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 06-1130.01)

5. 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 and TAS 202-94
along with marked-up drawings and installation diagram of aluminum casement window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-03-1350**, dated 10/14/03 and **HETI-03-1344**, dated 09/12/03, all signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 06-1130.01)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 03/31/15 and 11/090/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their **"Butacite® PVB Glass Interlayer"** dated 04/25/15, expiring on 12/11/16.

2. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their **"SentryGlas® (Clear and White) Glass Interlayers"** dated 06/25/15, expiring on 07/04/18.

Manuel Perez

Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0416.02
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F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 5th Edition (2014)**, and of no financial interest, dated March 31, 2015, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Laboratory compliance letters for Test Report No. **FTL-6439,** dated 02/21/11, issued by Fenestration Testing Laboratory, Inc., signed and sealed by Marlin D. Brinson, P.E. ***(Submitted under NOA No. 11-0922.06)***
3. Laboratory compliance letters for Test Report No. **FTL-5867,** dated 05/02/09, issued by Fenestration Testing Laboratory, Inc., signed and sealed by Julio E. Gonzalez, P. E. ***(Submitted under NOA No. 10-0426.09)***
4. Laboratory compliance letters for Test Reports No. **HETI-03-1346**, dated 09/16/03, **HETI-03-1848**, dated 09/17/03, **HETI-03-1856**, dated 09/17/03, **HETI-03-1859**, dated 01/16/04, **HETI-03-1350**, dated 10/14/03 and **HETI-03-1344**, dated 09/12/03, issued by Hurricane Engineering & Testing, Inc., all signed and sealed by Rafael E. Droz-Seda, P. E.
   (Submitted under NOA No. 06-1130.01)

G. OTHERS

1. Notice of Acceptance No. **13-1112.10**, issued to RC Home Showcase, Inc. for their Series "CM100" Outswing Aluminum Casement Window - L.M.I., approved on 12/26/13 and expiring on 07/29/19.
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 Series "CM100" outswing casement aluminum prime window, along with attached drawings and bill of materials included in Appendix A, marked–up by National Certified Testing Laboratories, Test Report No. **NCTL-110-12449.01,** pages 01 through 07 of 07, dated 11/12/09, signed by Richard A. McVicker III, Simulator, and Steven H. Coble, NFRC Accredited Simulator, Simulator–In–Responsible–Charge.

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G. OTHERS (CONTINUED)

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 "CM100" Outswing Aluminum Casement 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-110-12450-1,** pages 1 through 4 of 4, dated 11/30/09, 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: Casement Window, CM100
Raw Material: Aluminum
Including letter from **Fundiciones Industriales S.A. (FISA)** dated 03/22/10, 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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RC Home Showcase, 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.

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

G.8 – U–FACTOR (THERMAL TRANSMITTANCE) BTU/ HR–FT^2–^{0}F
G.9 – SHGC–FACTOR (SOLAR HEAT GAIN COEFFICIENT) BTU/ HR–FT^2
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	0.62	0.19	0.19	17
1.	NCTL 110–12450–1	001	5/32 CLR_240#2–SS–D_ARG_BRZ–1/8_090 PVB_1/8	0.62	0.19	0.19	17
2.		002	5/32 CLR_240#2–SS–D_ARG_CLR–1/8_090 PVB 1/8	0.62	0.20	0.25	17
3.		003	5/32 CLR_240#2–SS–D_ARG_GRN–1/8_090 PVB 1/8	0.62	0.19	0.17	17
4.		004	5/32 CLR_240#2–SS–D_ARG_GRY–1/8_090 PVB 1/8	0.62	0.19	0.23	17

Legend	
Abbreviations:	Description:
SS–D	Desiccant–Filled Stainless Steel Spacer
240#2	Cardinal Low E 240 @ #2 Surface Typical
ARG	90% Argon
PVB	0.090" Poly Vinyl Butryal (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–FT^2–^{0}F

Component Name	C–Value
1. Whole Window	1.94

-

Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0416.02
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CM100 OPERATING/FIXED
ALUMINUM CASEMENT WINDOWS

FOR FLANGE FRAME WINDOW CAPACITY SEE SHEETS 2 & 4.
FOR FLUSH FRAME WINDOW CAPACITY SEE SHEETS 3 & 4.

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.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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

APPROVAL APPLIES TO SINGLE VENT WINDOWS OR DUAL VENT WINDOWS USING INTEGRAL IMPOST.

ALSO TOP AND BOTTOM COMBINATIONS OF FIXED AND CASEMENT WINDOWS USING STACKING HEAD/SILL WITHOUT MULLION.

ALSO TO SIDE BY SIDE COMBINATIONS OF CASEMENT/FIXED, CASEMENT/CASEMENT OR WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING APPROVED MULLIONS.

RATING OF FIXED WINDOWS UNDER SEPARATE NOA.

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

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

NOV 11 2015

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0416.02
Expiration Date July 29, 2019
By Manuel Perez
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\W04-16RC

CM100 ALUMINUM CASEMENT WINDOW (L.M.I.)

RC HOME SHOWCASE
2970 N.W. 75TH AVENUE
MIAMI, FL. 33122
TEL. (305) 392-6214 FAX. (786) 464-1582

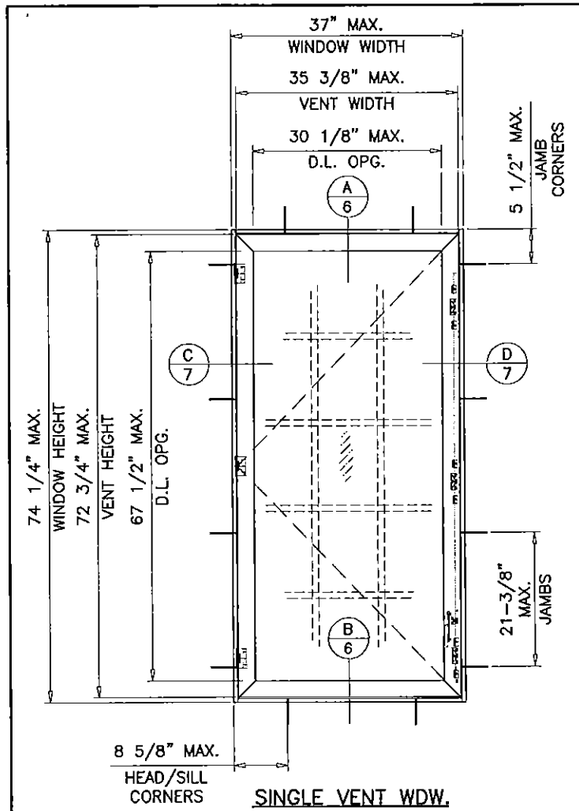
revisions:

no	date	by	description
G	10.10.13		MANUF. NAME REV.
H	04.07.15		UPDATED TO 2014 FBC
I	08.11.15		REV. PER RER COMMENTS
J	11.10.15		NO CHANGE THIS SHEET

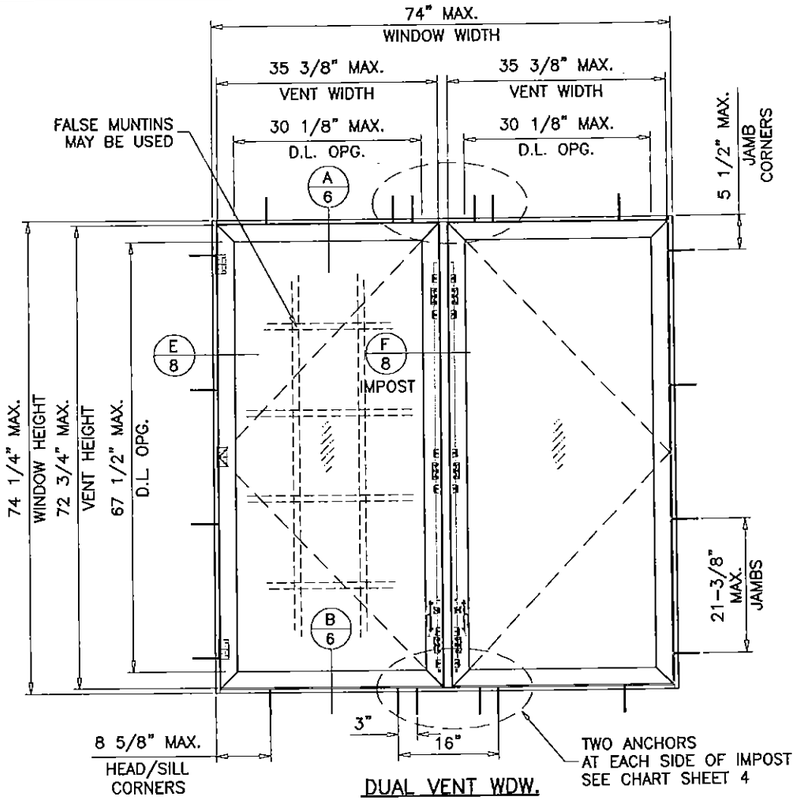
date: 03-01-04
scale: -
dr. by: HAMID
chk. by:

drawing no.
W04-16

sheet 1 of 11



SINGLE VENT WDW.



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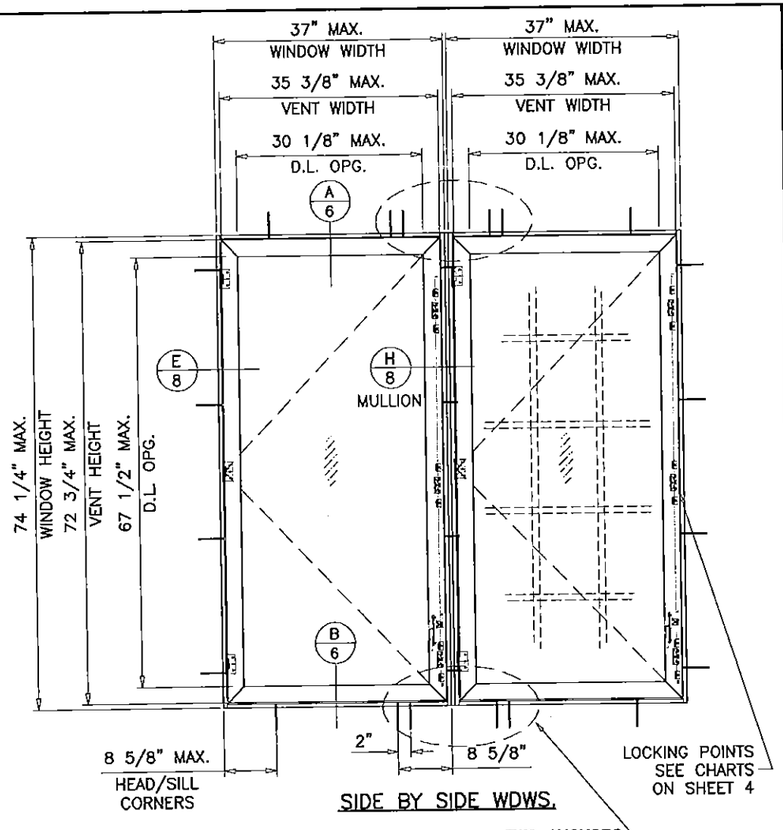

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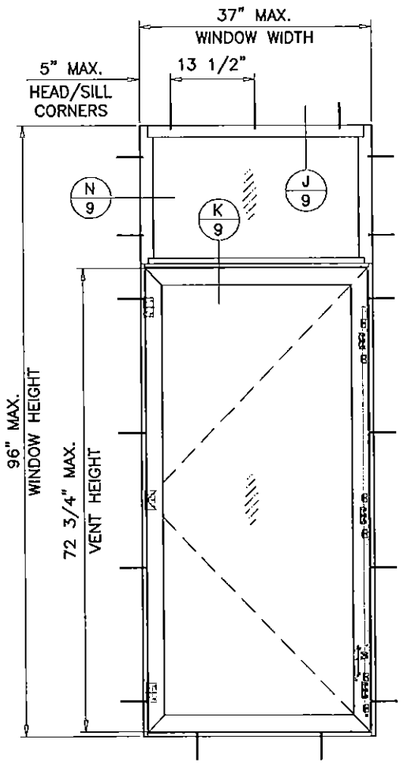

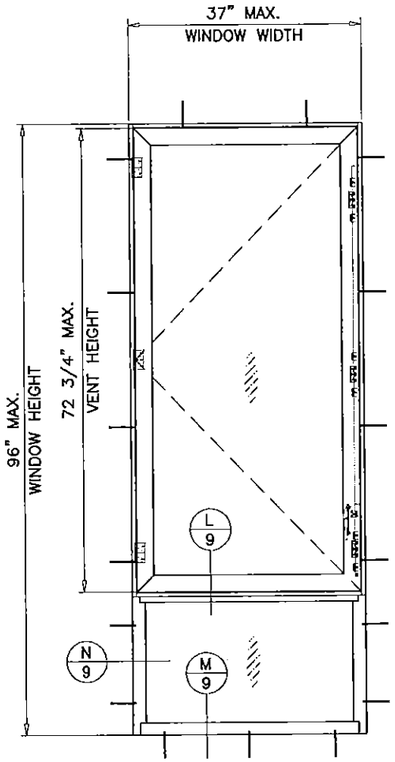

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 4.

FLANGE FRAME WINDOWS

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

NOV 1 2015

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drawing no.
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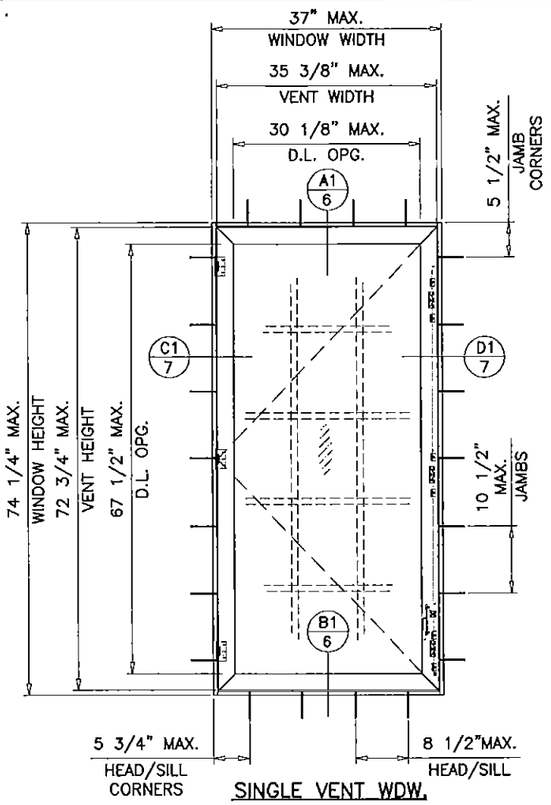
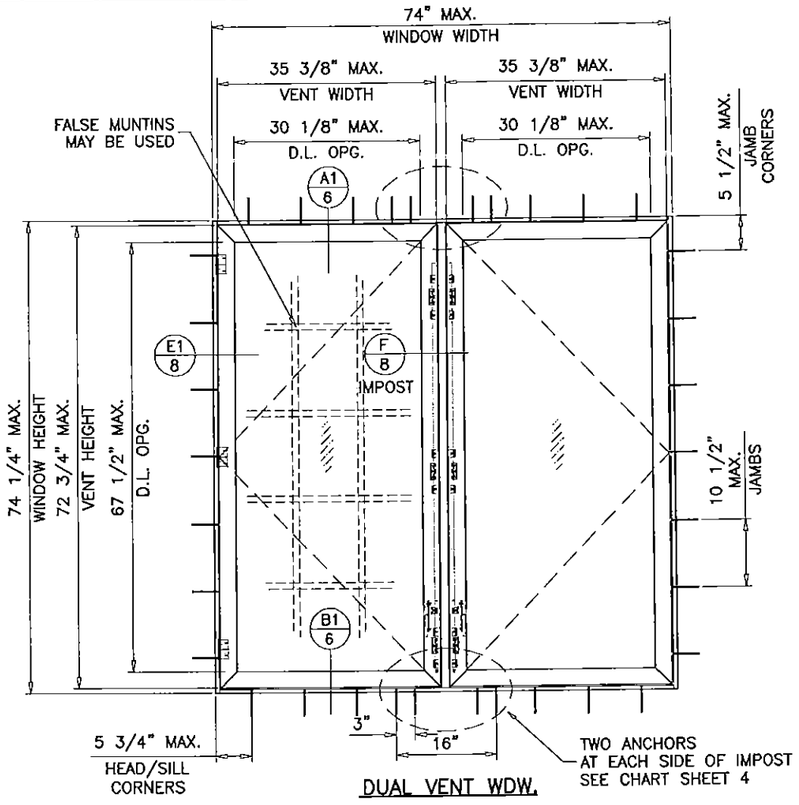


SINGLE VENT WDW.



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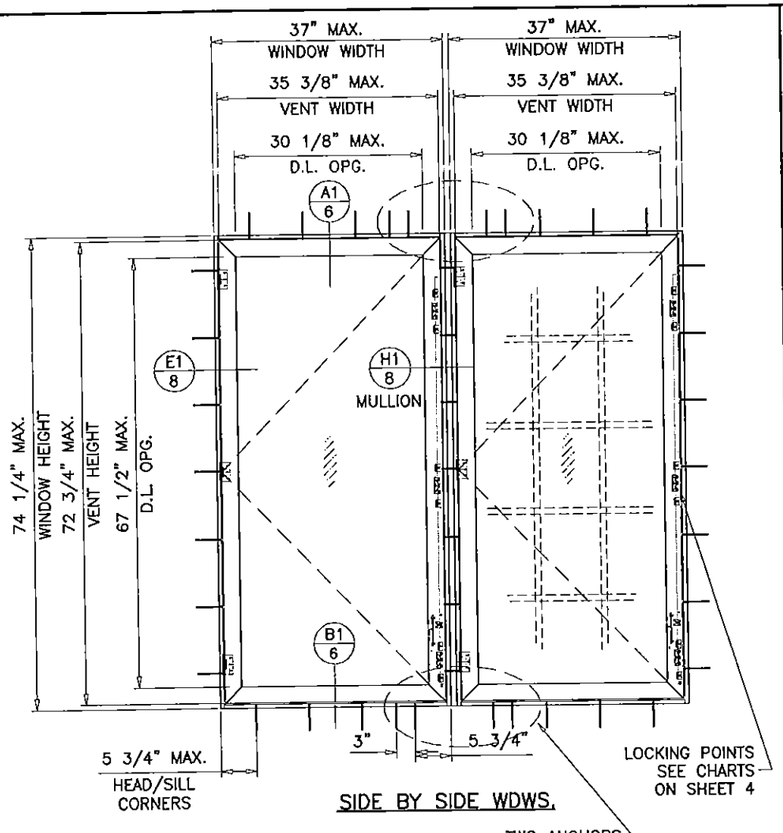
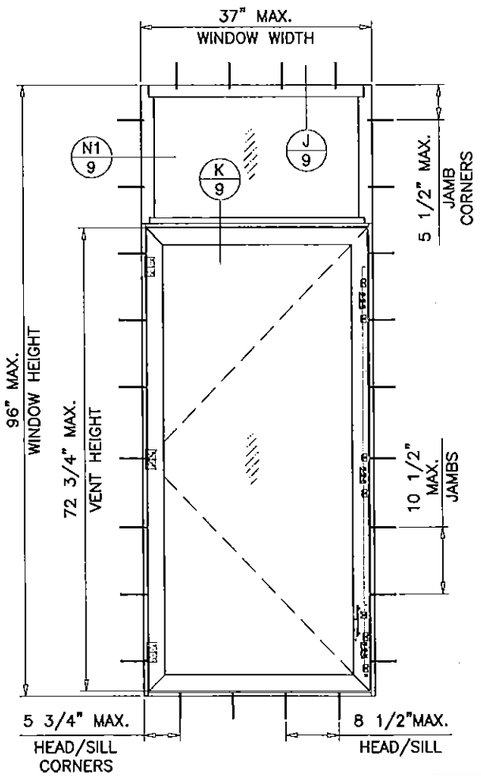
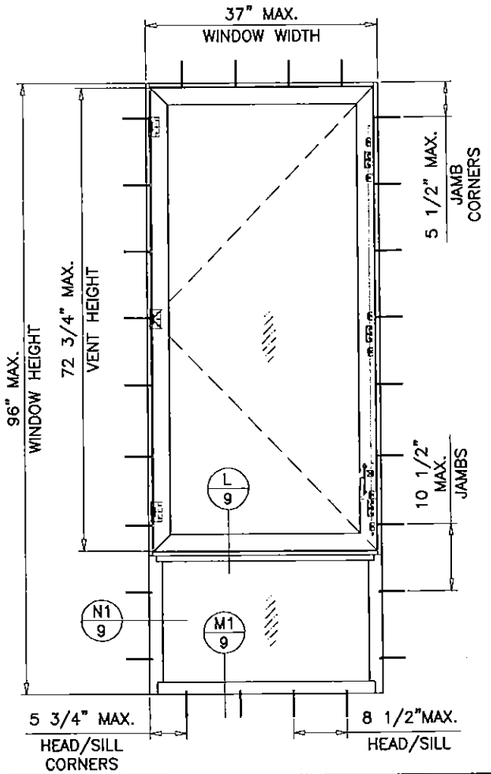


SIDE BY SIDE WDWS.





DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 4.

FLUSH FRAME WINDOWS

Engr: JAVAD AHMAD
CML
FLA. PE # 70592
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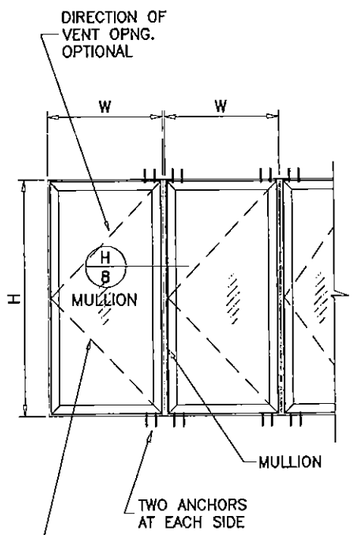
date: 03-01-04
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W04-16

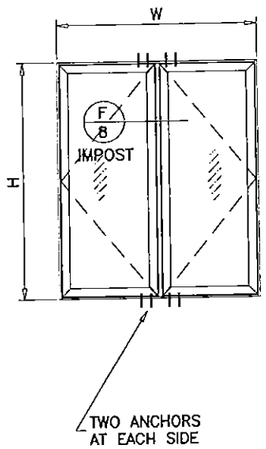
sheet 3 of 11

DESIGN LOAD CAPACITY – PSF SIDE BY SIDE SINGLE VENT WDWS.			
WINDOW DIMS.		GLASS TYPES 'A' & 'B'	
		1 X 3 MULL	1 X 4 MULL
WIDTH (W)	HEIGHT (H)	EXT.(+) INT.(–)	EXT.(+) INT.(–)
19–1/8"	38–3/8"	80.0	80.0
24"		80.0	80.0
26–1/2"		80.0	80.0
30"		80.0	80.0
37"		80.0	80.0
42"		80.0	80.0
48"		80.0	80.0
53–1/8"		80.0	80.0
19–1/8"	48"	80.0	80.0
24"		80.0	80.0
26–1/2"		80.0	80.0
30"		80.0	80.0
37"		80.0	80.0
42"		80.0	80.0
48"		80.0	80.0
53–1/8"		80.0	80.0
19–1/8"	50–5/8"	80.0	80.0
24"		80.0	80.0
26–1/2"		80.0	80.0
30"		80.0	80.0
37"		80.0	80.0
42"		80.0	80.0
48"		80.0	80.0
53–1/8"		80.0	80.0
19–1/8"	60"	80.0	80.0
24"		80.0	80.0
26–1/2"		80.0	80.0
30"		80.0	80.0
37"		80.0	80.0
42"		80.0	80.0
19–1/8"	63"	80.0	80.0
24"		80.0	80.0
26–1/2"		80.0	80.0
30"		80.0	80.0
37"		80.0	80.0
42"		80.0	80.0
19–1/8"	66"	80.0	80.0
24"		80.0	80.0
26–1/2"		80.0	80.0
30"		80.0	80.0
37"		80.0	80.0
19–1/8"	72"	80.0	80.0
24"		80.0	80.0
26–1/2"		80.0	80.0
30"		80.0	80.0
37"		72.8	80.0
19–1/8"	74–1/4"	80.0	80.0
24"		80.0	80.0
26–1/2"		80.0	80.0
30"		78.4	80.0
37"		65.9	80.0



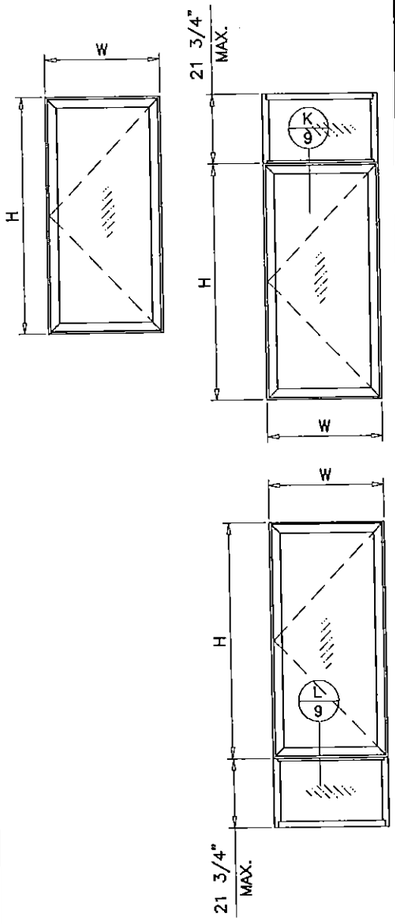
WDW. HEIGHT UPTO	NO. OF KEEPERS AT SASH	NO. OF HINGES AT SASH
29–1/4"	2	2
42"	3	2
44–1/4"	3	3
59–1/4"	4	3
74–1/4"	5	3

DESIGN LOAD CAPACITY – PSF DUAL VENT WINDOWS		
WINDOW DIMS.		GLASS TYPES 'A' & 'B'
WIDTH (W)	HEIGHT (H)	EXT.(+) INT.(–)
37"	38–3/8"	80.0
48"		80.0
53–1/8"		80.0
60"		80.0
72"		80.0
74"		80.0
84"		80.0
96"		80.0
106–1/4"		80.0
37"	50–5/8"	80.0
48"		80.0
53–1/8"		80.0
60"		80.0
72"		80.0
74"		80.0
84"		80.0
96"		80.0
106–1/4"		80.0
37"	60"	80.0
48"		80.0
53–1/8"		80.0
60"		80.0
72"		80.0
74"		80.0
84"		80.0
37"	63"	80.0
48"		80.0
53–1/8"		80.0
60"		80.0
72"		80.0
74"		80.0
84"		80.0
37"	66"	80.0
48"		80.0
53–1/8"		80.0
60"		80.0
72"		80.0
74"		80.0
37"	72"	80.0
48"		80.0
53–1/8"		80.0
60"		80.0
72"		80.0
74"		80.0
37"	74–1/4"	80.0
48"		80.0
53–1/8"		80.0
60"		80.0
72"		80.0
74"		80.0



WDW. HEIGHT UPTO	NO. OF KEEPERS AT SASH	NO. OF HINGES AT SASH
42"	2	2
74–1/4"	3	3

DESIGN LOAD CAPACITY – PSF SINGLE VENT WINDOWS		
WINDOW DIMS.		GLASS TYPES 'A' & 'B'
WIDTH (W)	HEIGHT (H)	EXT.(+) INT.(–)
19–1/8"	48"	80.0
24"		80.0
26–1/2"		80.0
30"		80.0
37"		80.0
42"		80.0
48"		80.0
53–1/8"		80.0
19–1/8"	50–5/8"	80.0
24"		80.0
26–1/2"		80.0
30"		80.0
37"		80.0
42"		80.0
48"		80.0
53–1/8"		80.0
19–1/8"	60"	80.0
24"		80.0
26–1/2"		80.0
30"		80.0
37"		80.0
42"		80.0
19–1/8"	63"	80.0
24"		80.0
26–1/2"		80.0
30"		80.0
37"		80.0
42"		80.0
19–1/8"	66"	80.0
24"		80.0
26–1/2"		80.0
30"		80.0
37"		80.0
19–1/8"	72"	80.0
24"		80.0
26–1/2"		80.0
30"		80.0
37"		80.0
19–1/8"	74–1/4"	80.0
24"		80.0
26–1/2"		80.0
30"		80.0
37"		80.0



WDW. HEIGHT UPTO	NO. OF KEEPERS AT SASH	NO. OF HINGES AT SASH
42"	2	2
74–1/4"	3	3

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300–09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05–DEC–219

FLANGE AND FLUSH FRAME WINDOWS

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FLA. PE #70592
C.A.N. 3538
NOV 01 2015

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 15-0416.07
Expiration Date July 21, 2019
By Manuel Perez
Miami-Dade Product Control

AL-FAROOQ CORPORATION
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COMP–ANL\W04–16RC

CM100 ALUMINUM CASEMENT WINDOW (L.M.I.)

RC HOME SHOWCASE
2970 N.W. 75TH AVENUE
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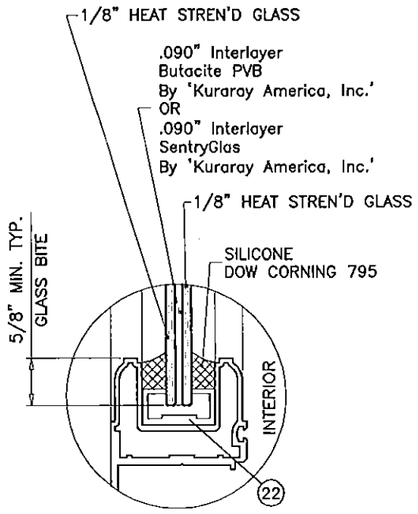
scale: –
dr. by: HAMID
chk. by:

drawing no.
W04–16

sheet 4 of 11



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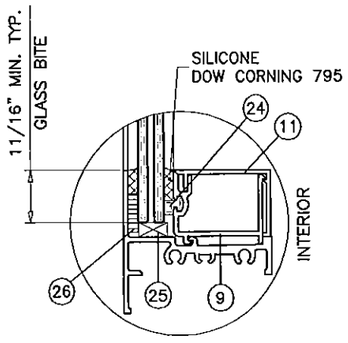
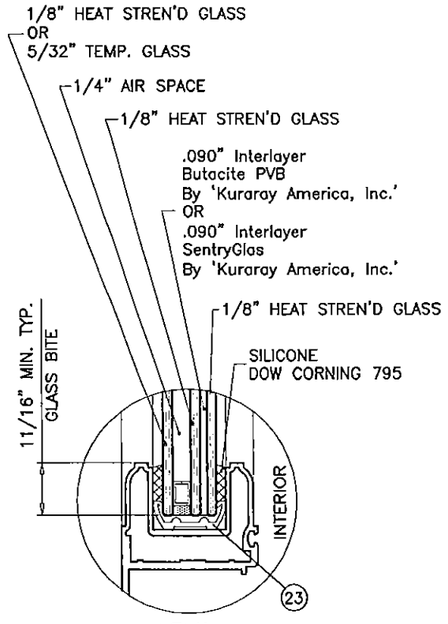


FIX. LITE

GLASS TYPE 'A'



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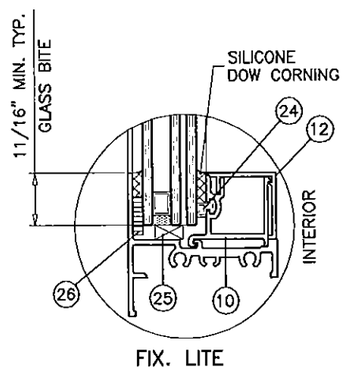

FIX. LITE

GLASS TYPE 'B'

GLAZING OPTIONS

NOTE:
IN ORDER TO QUALIFY FOR SMALL MISSILE IMPACT RATING
EXTERIOR PLY OF GLASS TYPE 'B' MUST BE TEMPERED.

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPLIER/REMARKS
1	CM100-001	2/ WDW	FRAME JAMB	6063-T6	-
2	CM100-002	2/ WDW	FRAME HEAD AND SILL	6063-T6	-
3	CM100-007	AS REQD.	FRAME JAMB (FIX.)	6063-T6	FOR FIXED WINDOW
4	CM100-008	AS REQD.	HORIZ. IMPOST	6063-T6	FOR FIXED WINDOW
5	CM100-012	AS REQD.	JAMB ANCHOR CLIP	6063-T6	-
6	CM100-013	AS REQD.	VENT HINGE	6005-T5	INSTALLED WITH (3) #10 X 3/8" MS
7	CM100-014	AS REQD.	FRAME HINGE	6005-T5	INSTALLED WITH (2) #10 X 3/8" MS
8	CM100-015	AS REQD.	FRAME HEAD/SILL (FIX.)	6063-T6	FOR FIXED WINDOW
9	CM100-016	4/ WDW	GLAZING BEAD (LAM. GLASS)	6063-T6	FOR FIXED WINDOW
10	CM100-017	4/ WDW	GLAZING BEAD (LAM. INS. GLASS)	6063-T6	FOR FIXED WINDOW
11	CM100-018	4/ WDW	SNAP COVER (LAM. GLASS)	6063-T6	FOR FIXED WINDOW
12	CM100-019	4/ WDW	SNAP COVER (LAM. INSUL. GLASS)	6063-T6	FOR FIXED WINDOW
13	CM100-032	AS REQD.	VERTICAL IMPOST	6063-T6	-
14	CM100-021	2/ IMPOST	ANCHOR CLIP FOR VERTICAL IMPOST	6063-T6	-
15	CM100-022	-	ANCHOR ARM OPERATOR	6063-T6	-
16	-	AS REQD.	SCREENS	ALUMINUM	OPTIONAL
19	CM100-026	4	VENT FRAME	6063-T6	-
20	CM100-027	1/ CORNER	CORNER LOCK	6063-T6	-
21	V-033	AS REQD.	TREMCO TR-5804N SPONGE	NEOPRENE	-
22	P-049	AS REQD.	GLAZING INSERT	RIGID PVC	MELTPOINT
23	V-055	AS REQD.	VINYL FOR LAM. INSUL. GLASS - VENT	PVC	DUROMETER 75±5 SHORE A
24	V-059	AS REQD.	VINYL FOR LAM. & LAM. INSUL. GLASS (FIX.)	PVC	MELTPOINT, DUROMETER 75±5 SHORE A
25		AS REQD.	3/16" X 3/8" X 4" LG. SETTING BLOCK	EPDM	DUROMETER 80±5 SHORE A
26		AS REQD.	1/8" X 1/2" SINGLE FACE TAPE	-	-
27	P-025	-	PLASTIC CAM M & M	NYLON	-
30	CD25 & CD35	-	SINGLE ARM OPERATOR	ST. STEEL	ROTO HARDWARE SYSTEMS
31	-	-	-	-	-
32	LB05-6645	-	3 POINT LOCK ASSEMBLY	-	ROTO HARDWARE SYSTEMS
33	GT553	-	GUIDE HOUSING	-	ATTACHED W/ (3) #8 X 3/4" SMS
34	GS001	-	STRIKER	-	ATTACHED W/ (3) #8 X 1/2" SMS
35	#10 X 1"	2/ CORNER	FRAME ASSEMBLY SCREW	ST. STEEL	PH PHL. SMS
36	#10 X 1/2"	2/ CORNER	VENT ASSEMBLY SCREWS	ST. STEEL	FH PHL. SMS
37	#10 X 3/4"	4/ CORNER	IMPOST ASSEMBLY SCREWS	ST. STEEL	PH PHL. SMS
38	#10 X 3/4"	2/ SIDE	IMPOST ASSEMBLY SCREWS	ST. STEEL	FH PHL. SMS
39	CM100-032	AS REQD.	FLUSH ADAPTER HEAD/SILL	6063-T6	-
40	CM100-033	AS REQD.	FLUSH ADAPTER JAMB	6063-T6	-

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Expiration Date July 21, 2019
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Miami Dade Product Control

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COMP-ANL\W04-16RC

CM100 ALUMINUM CASEMENT WINDOW (L.M.I.)

RC HOME SHOWCASE
2970 N.W. 75TH AVENUE
MIAMI, FL. 33122
TEL (305) 392-6214 FAX. (786) 464-1582

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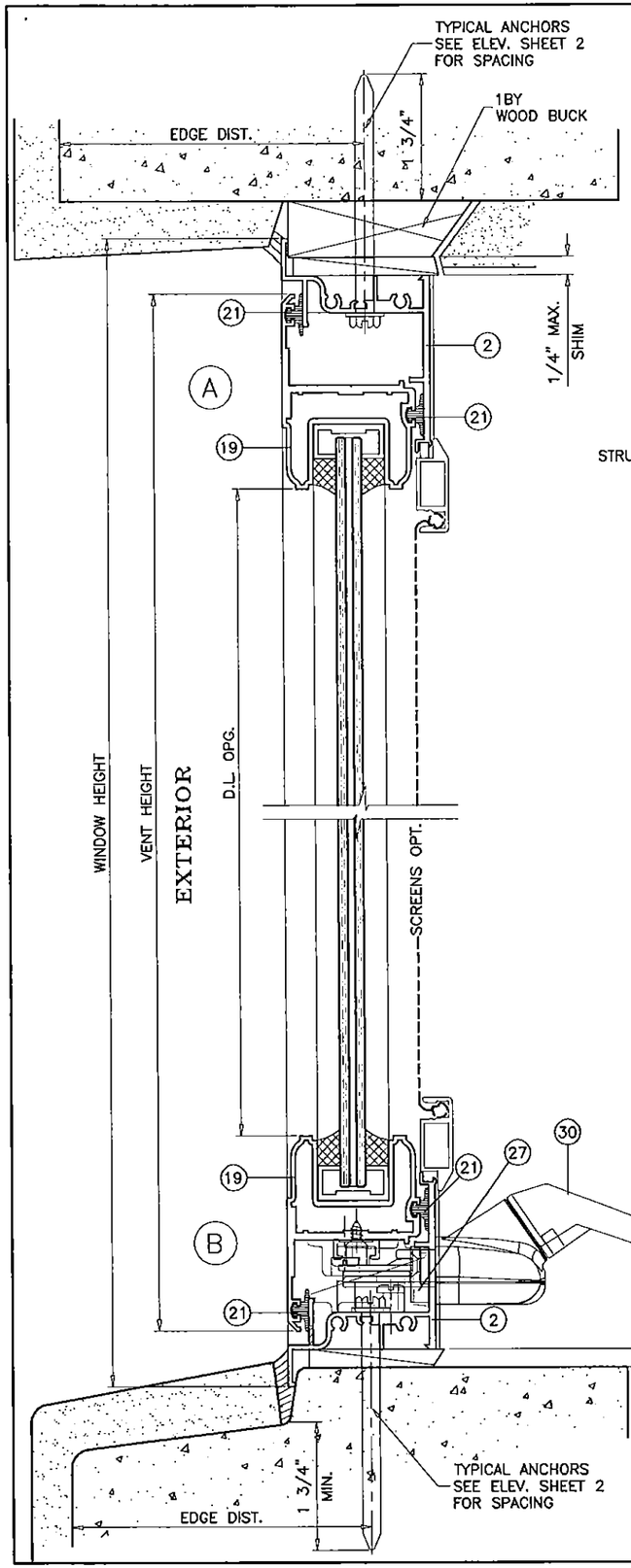
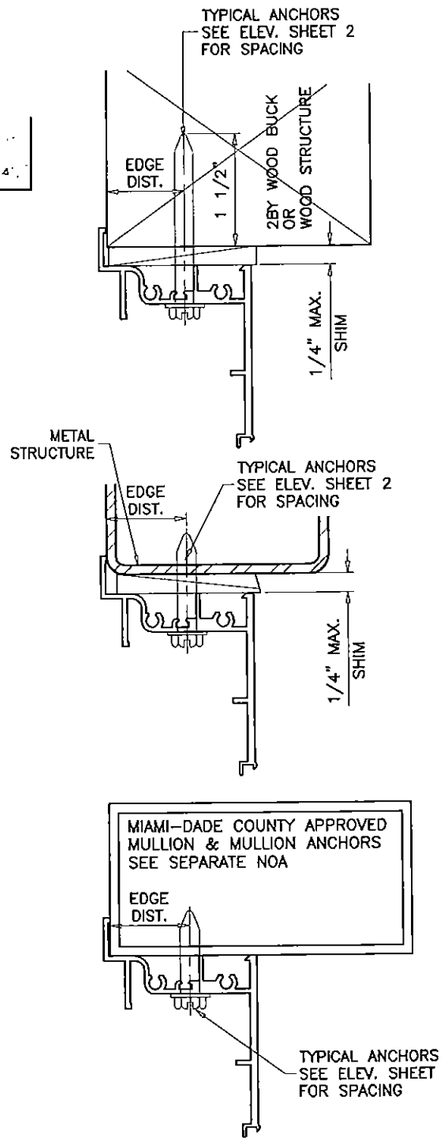
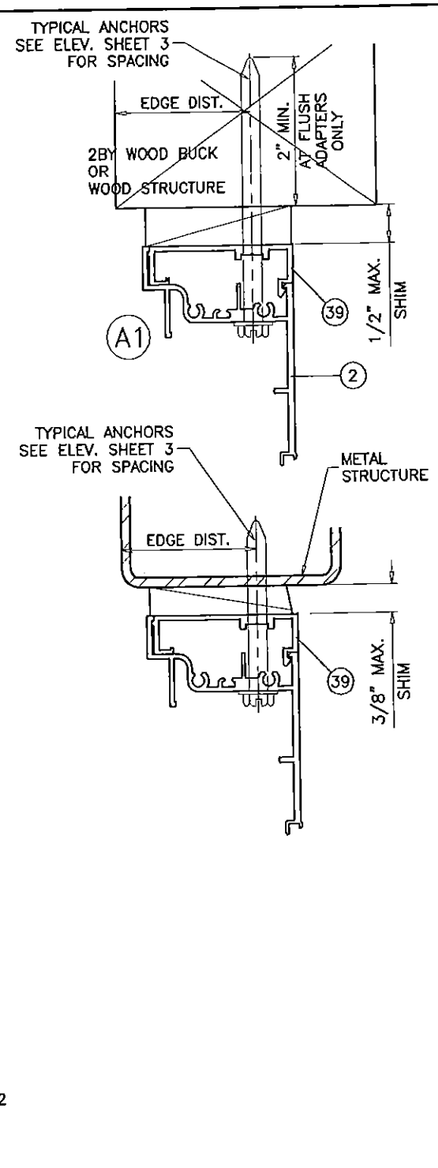
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

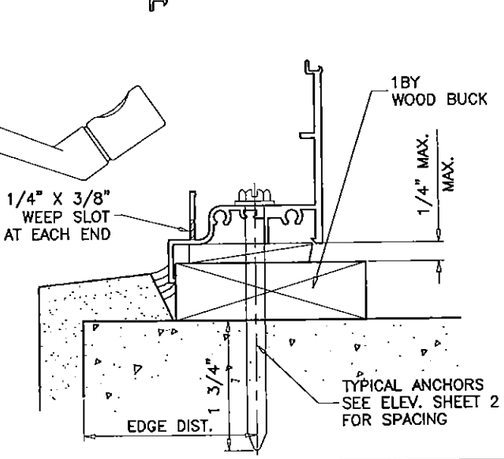
drawing no.
W04-16

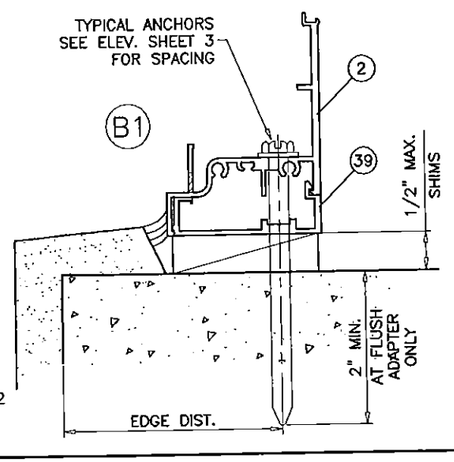
sheet 5 of 11











WOOD BUCKS AND METAL STRUCTURE NOT BY RC HOME SHOWCASE 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)

1/4" HILTI KWIK-CON II (Fu=138 KSI, Fy=137 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)
1-1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)

DIRECTLY INTO CONC. OR MASONRY
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)
1-3/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)

1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)

INTO METAL STRUCTURES
STEEL : 1/8" THK. 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 (GRADE 2 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK.= 1/8")
(NO SHIM SPACE)

TYPICAL EDGE DISTANCE

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

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:

ALL FRAME AND VENT CORNERS SEALED WITH JOINT SEALANT.

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Expiration Date July 29, 2019
By Manuel Perez
Miami-Dade Product Control

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ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
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COMP-ANL\W04-16RC

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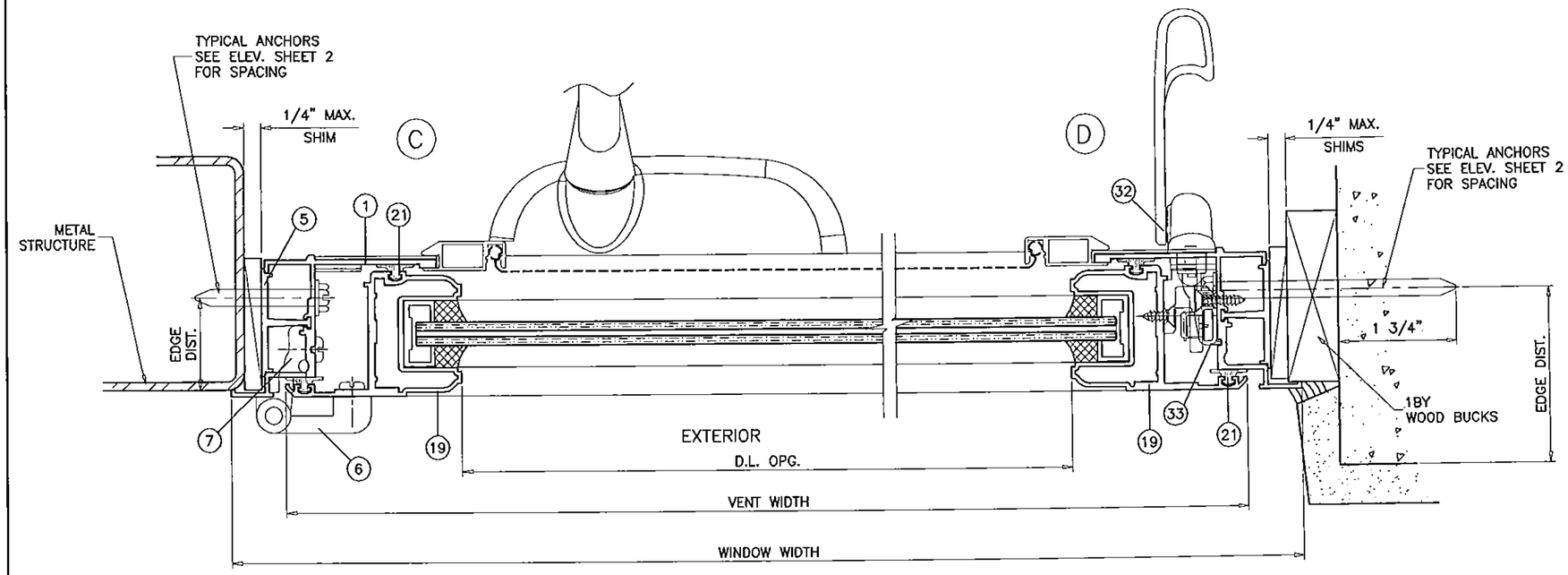
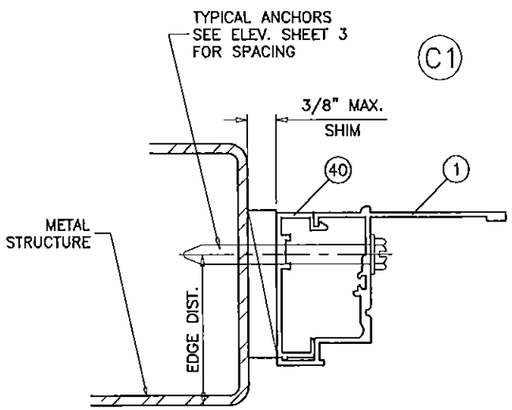
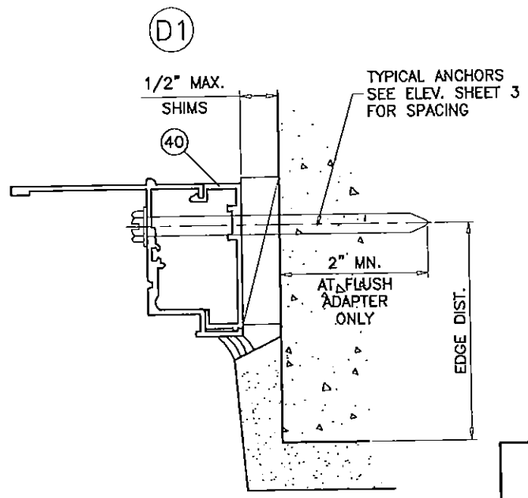


SINGLE VENT WINDOWS





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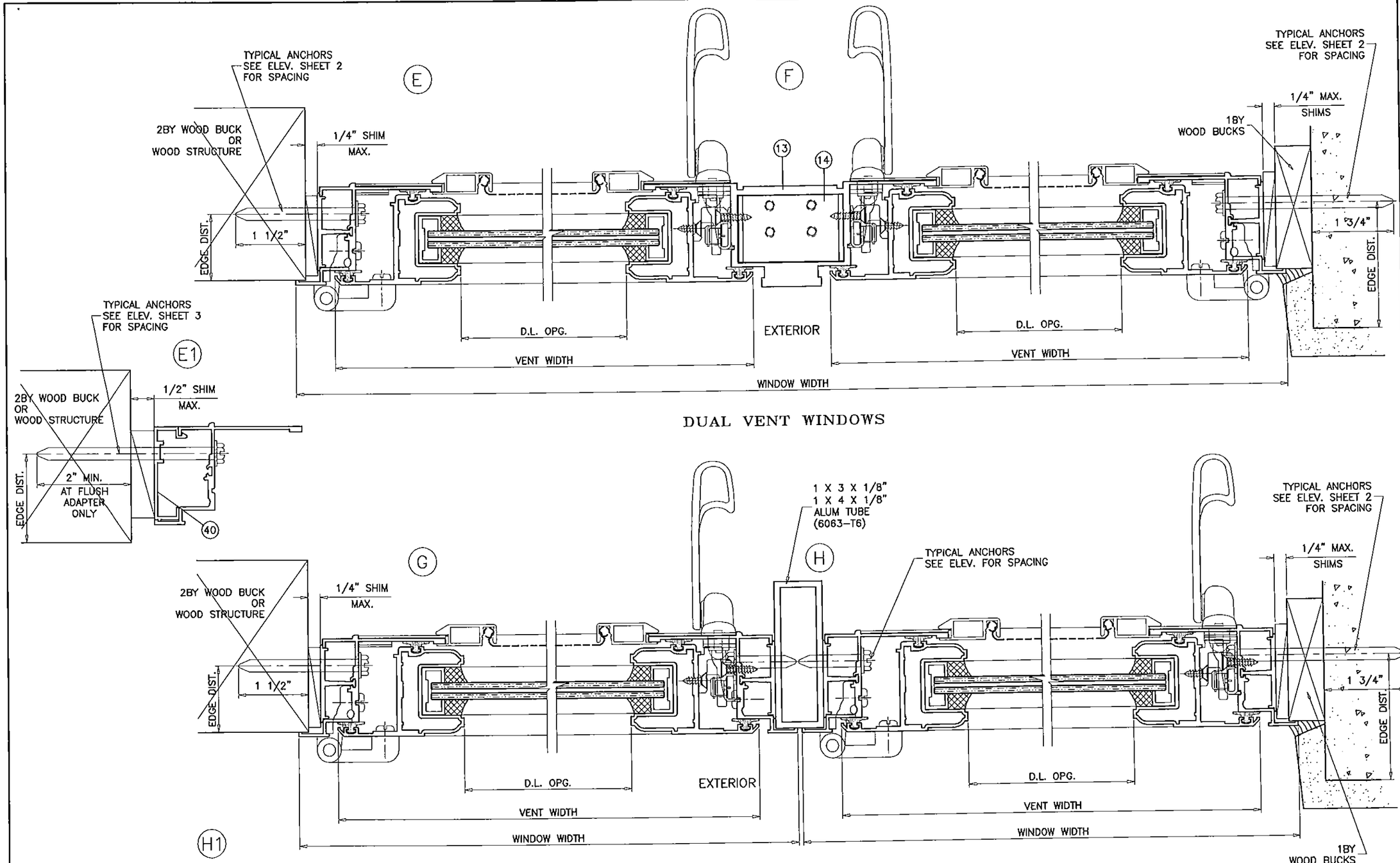
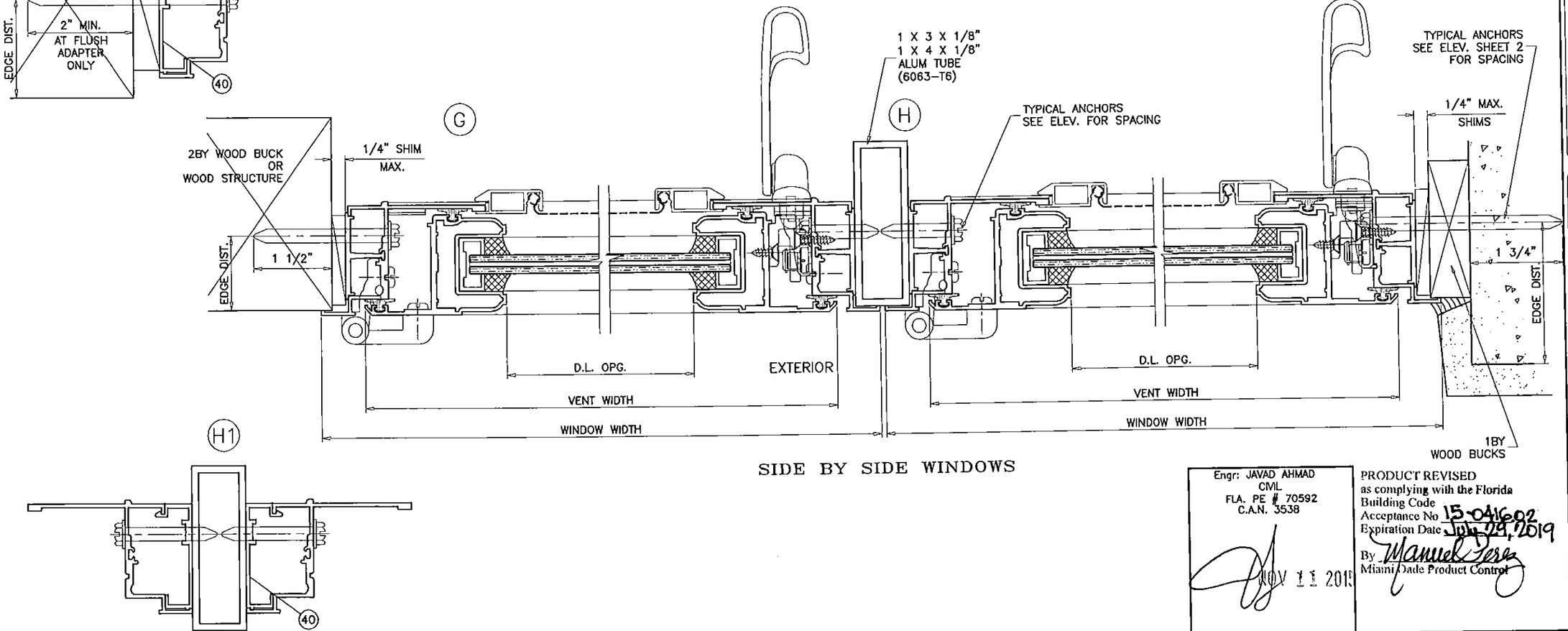


DUAL VENT WINDOWS



SIDE BY SIDE WINDOWS

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afc

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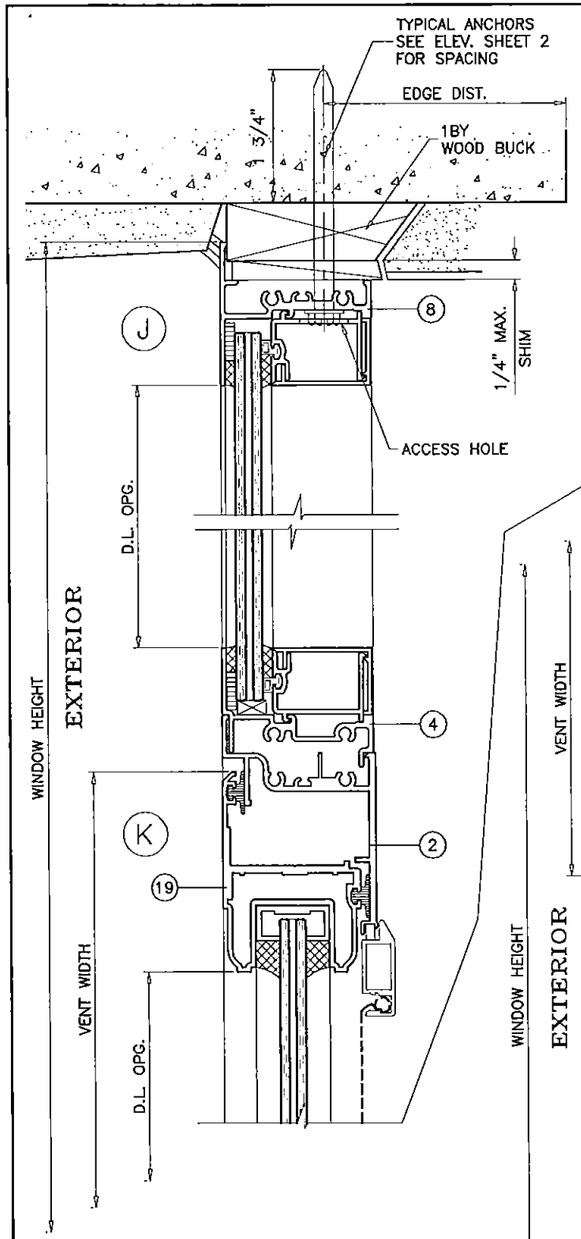

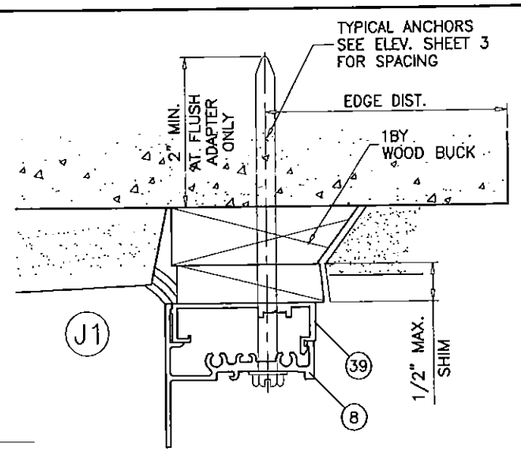

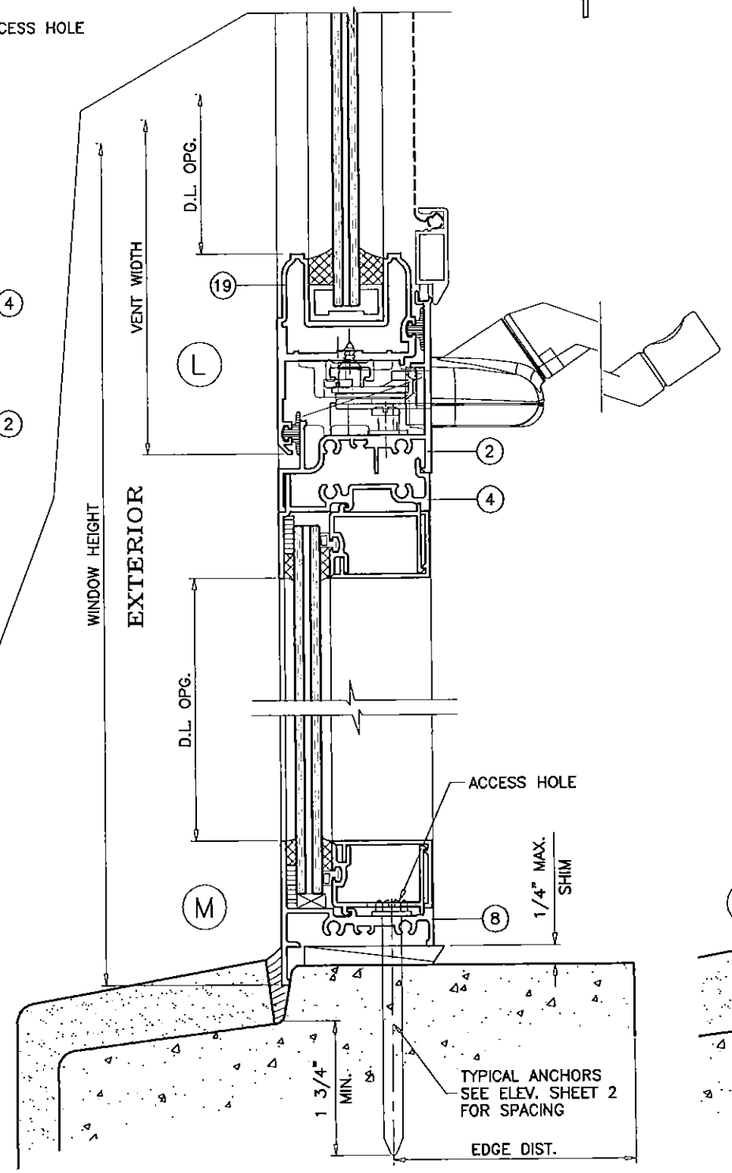

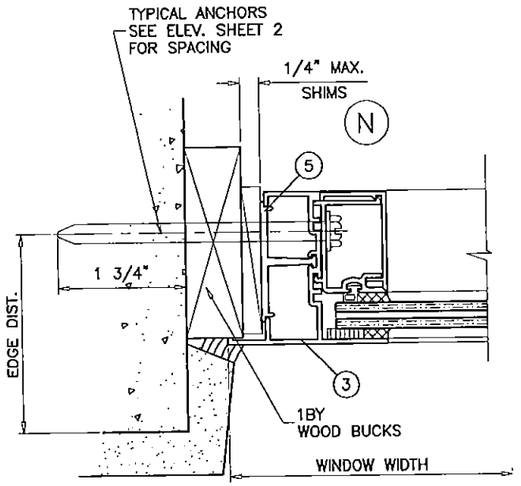

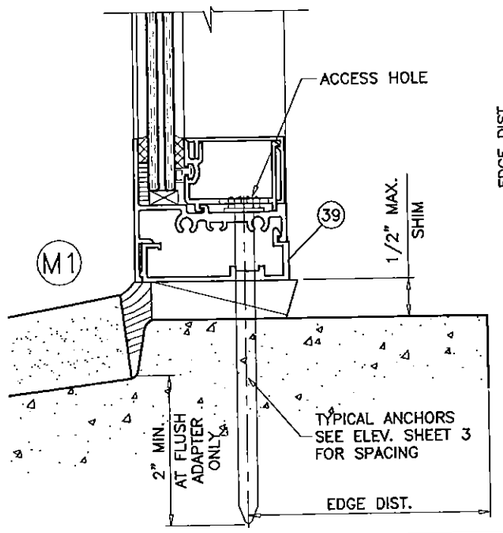

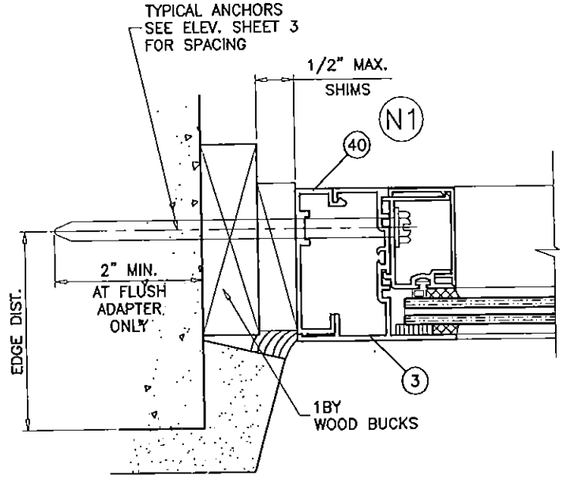

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date: 03-01-04
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dr. by: HAMID
chk. by:

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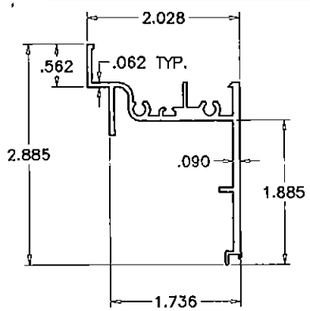

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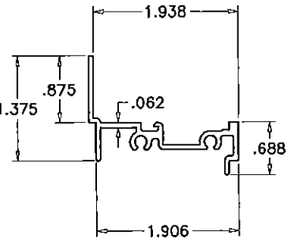

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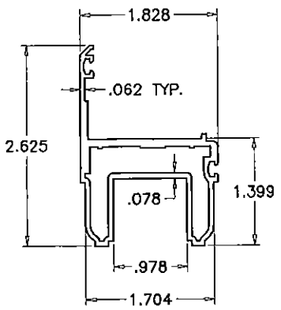

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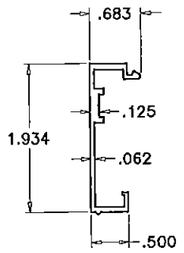
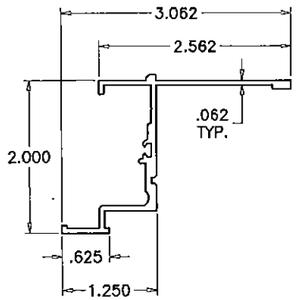


(39) FLUSH ADAPTER HEAD/SILL



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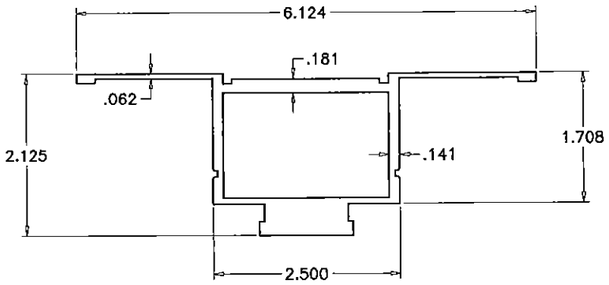

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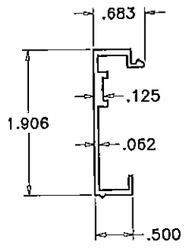
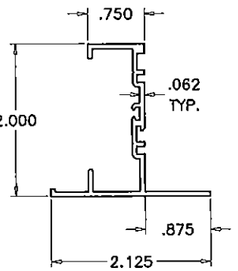


(40) FLUSH ADAPTER JAMB



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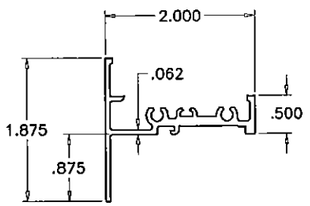
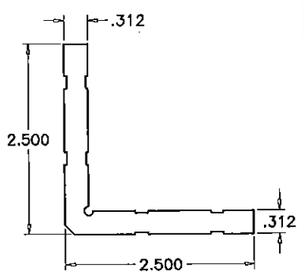


(8) FRAME HEAD/SILL (FIX.)



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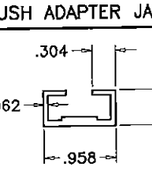
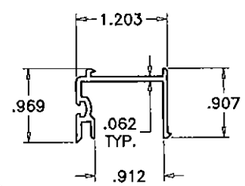
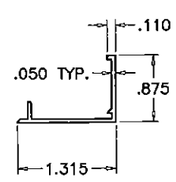


GLAZING INSERT
RIGID PVC
(22)



(9) GLASS STOP (FIX. LAM. GL.)



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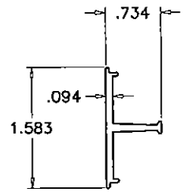
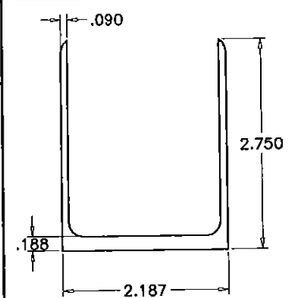
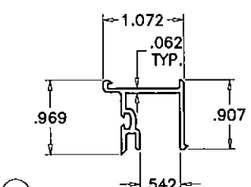


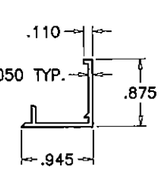
(5) JAMB ANCHOR CLIP



(14) IMPOST ANCHOR CLIP



(10) GLASS STOP (FIX. LAM. INSUL. GL.)



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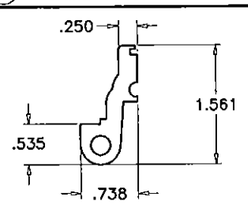
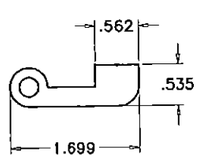


(7) FRAME HINGE



(6) VENT HINGE

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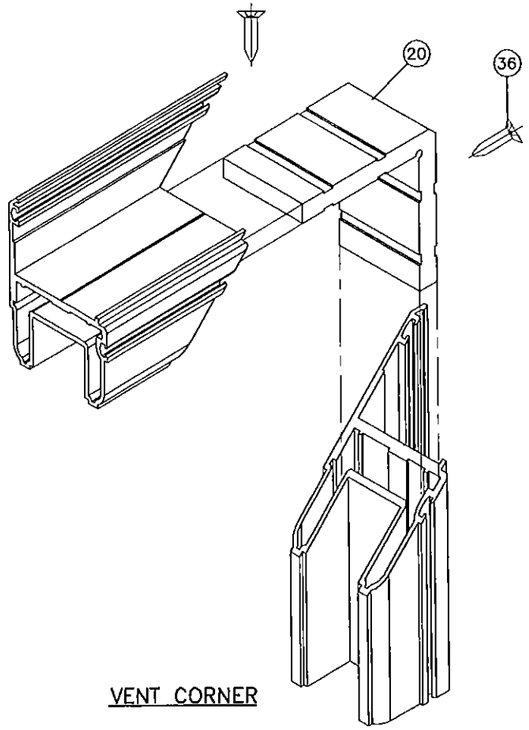

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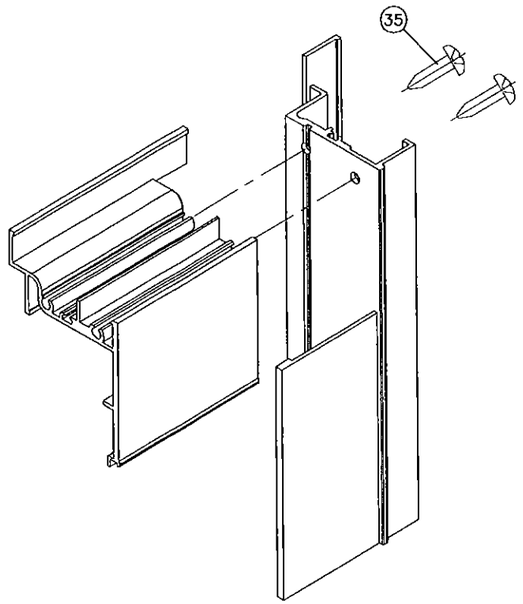

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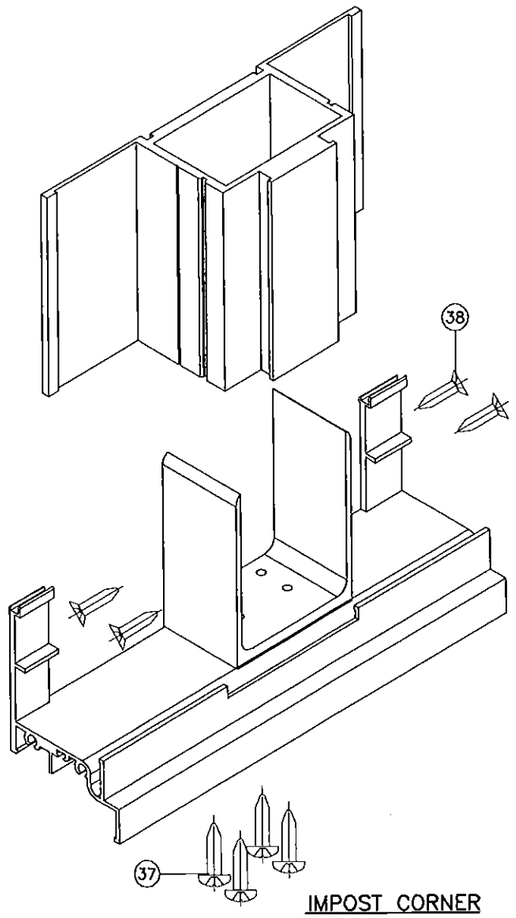

IMPOST CORNER

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