MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI–DADE COUNTY, FLORIDA
METRO–DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1107
MIAMI, FLORIDA 33130–1563
(305) 375–2902 FAX (305) 372–6339
www.miamidade.GOV/buildingcode

NOTICE OF ACCEPTANCE (NOA)

R. C. Aluminum Industries, Inc.
2805 N.W. 75 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 "PH3400" 9'10" Aluminum Sliding Glass Door – S.M.I.

APPROVAL DOCUMENT: Drawing No. **W07–108**, titled "Series PH 3400 Alum. Sliding Glass Door (S.M.I.)", sheets 1 through 7 of 7, dated 02/07/08 with revision "**B**" dated 11/12/09, prepared by Al–Farooq Corporation, dated 04/23/10, signed and sealed by Javad Ahmad, P. E., bearing the Miami–Dade County Product Control Approval stamp with the Notice of Acceptance number and Approval 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 consists of this page 1 and evidence pages E–1, E–2 and E–3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gasçon, P. E.**

MIAMI-DADE COUNTY APPROVED

J. Gascon
5/24/10

R. C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W07–108**, titled "Series PH 3400 Alum. Sliding Glass Door (S.M.I.)", sheets 1 through 7 of 7, dated 02/07/08 with revision "**B**" dated 11/12/09, prepared by Al–Farooq Corporation, dated 04/23/10, 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) 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 Aluminum Sliding Glass Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–5362**, dated October 17, 2007, signed and sealed by Michael Wenzel, P. E.

C. CALCULATIONS

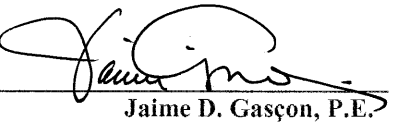
1. Anchor verification calculations and structural analysis, complying with FBC-2004 and 2007, prepared by Al–Farooq Corporation, dated February 01, 2008, signed and sealed by Dr. Humayoun Farooq, P. E.
   Complies with ASTM E1300–02

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.
2. Test reports on: 1.) ASTM C864 Option II exceptions;
   2.) ASTM D412C–06 Tensile Test passed 905 PSI $\leq$ 1.8 Ksi;
   3.) ASTM D395B–08 Compression Set 22 HRS with 100°F passed 23.5 % and 27% $\leq$ 30%;
   4.) ASTM D2240–05 Shore A Hardness, passed 70A $\leq$ 75A ($\pm$5) durometer;
   5.) ASTM D1149–07 Ozone Resistance 100 HR/ 104°F/ 20% strain/ 100 pphm, NO Cracks;



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No. 08–0312.02
Expiration Date: June 16, 2015
Approval Date: June 16, 2010

E. MATERIAL CERTIFICATIONS (CONTINUED)

6.) ASTM D573–04 Heat Resistance 70 HR/ 100°C passed: Tensile –1% ≤ 15%, Elongation –35.9% ≤ 40%, Hardness 8 ≤ 10 and 348PSI ≤ 928PSI;
7.) ASTM D624C–07 Tear Test passed 188 pli ≥ 134 pli;
8.) ASTM D746–07/ C509–07 Low Temperature Brittleness at – 40°C passed NO Cracks;
9.) ASTM D925 Migration Staining 7 day's exposure passed None Migration;

along with marked–up drawings and installation diagram of neoprene wedge # V–067, prepared by Ghesquiere Plastic Testing, Inc., Test Report No. **GPTI–0810–71244**, dated November 05, 2008, signed by M. W. Ghesquiere (A2LA No. 0079.01).

2. Test reports on: 1.) ASTM C116–06, Standard Test method for Flame Propagation of Dense and Cellular Elastomeric Gaskets and Accessories; Dimensional Stability 24 HRS/ 23°C ± 2°C/ 50% ± 5% relative Humidity, passed: 460 mm Flame Propagation
2.) ASTM C717–08, Standard Terminology of Building Seals and Sealants, complied.

along with marked–up drawings and installation diagram of neoprene wedge, prepared by Delsen Testing Laboratories, Inc., Test Report No. **DTL–OF–01B**, dated January 26, 2009, signed by Suzanne Cannell (A2LA No. 0096–01).

F. STATEMENTS

1. Statement letter of conformance and complying with FBC 2007, dated April 22, 2010, signed and sealed by Javad Ahmad, P. E.
2. Statement letter of no financial interest, dated April 22, 2010, signed and sealed by Javad Ahmad P. E.
3. Statement letter of conformance, dated February 01, 2008, signed and sealed by Dr. Humayoun Farooq, P. E.
4. Statement letter of no financial interest, dated February 01, 2008, signed and sealed by Dr. Humayoun Farooq, P. E.
5. Laboratory compliance letter for Test Report no. **GPTI–0810–71244**, issued by Ghesquiere Plastic Testing, Inc., dated January 26, 2009, signed by Suzanne Cannell (A2LA No. 0096–01).
6. Laboratory compliance letter for Test Report no. **DTL–OF–01B**, issued by Delsen Testing Laboratories, Inc., dated November 05, 2008, signed by M. W. Ghesquiere (A2LA No. 0079.01).

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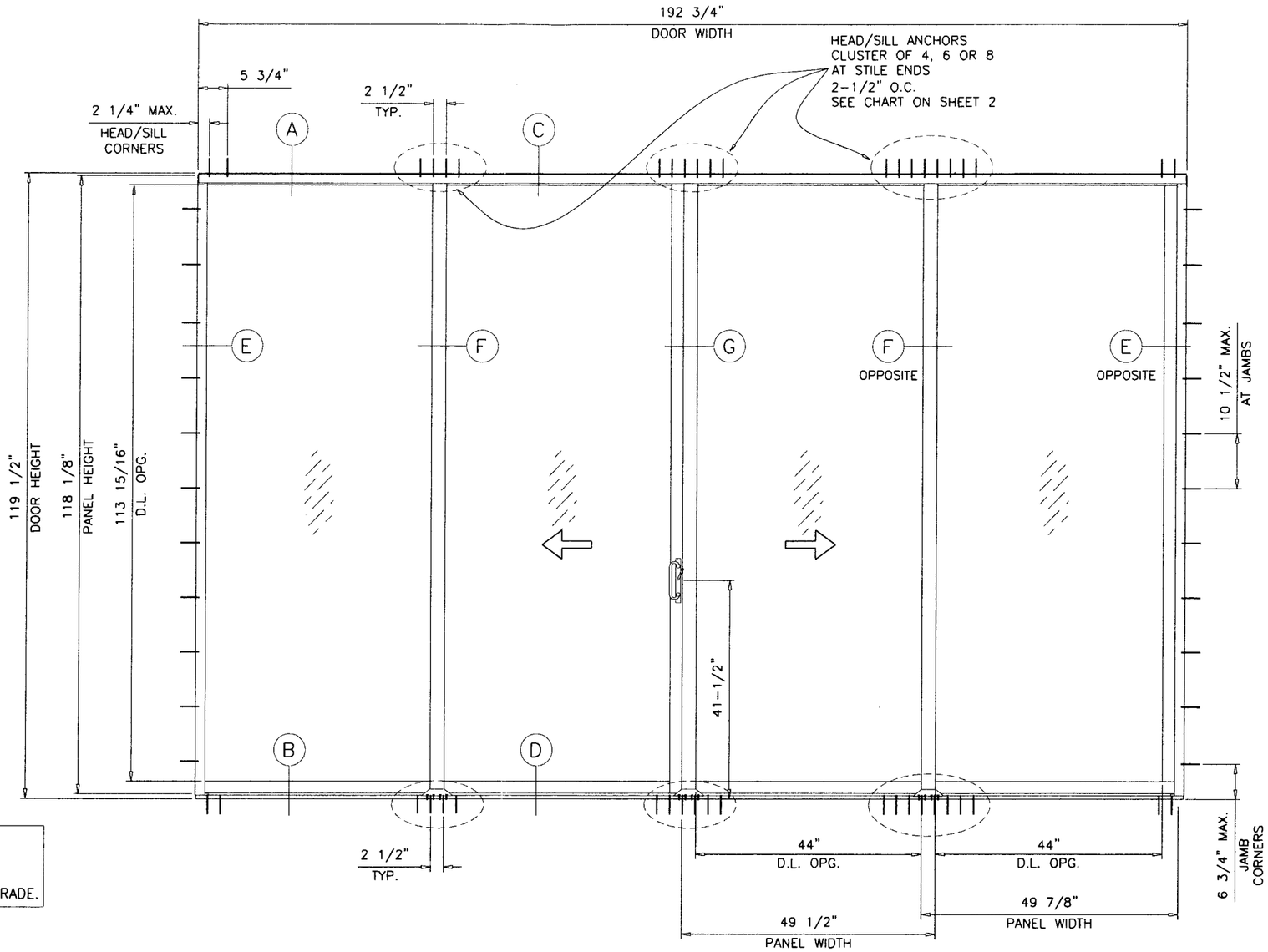

TYPICAL ELEVATION
TESTED UNIT

DAYLITE OPENINGS:
D.L.O. HEIGHT = PANEL HEIGHT – 4.188"
D.L.O. WIDTH (FIX. PANEL) = PANEL WIDTH – 5.875"
D.L.O. WIDTH (OPER. PANEL) = PANEL WIDTH – 5.500"

THESE DOORS 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.

SERIES PH3400 ALUM SLIDING GLASS DOOR

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHART SHOWN ON SHEET 2.

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.

LAMINATED INSULATING GLASS
SMALL MISSILE IMPACT

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

APR 2 2010

Approved as complying with the Florida Building Code
Date 06/16/2010
NOA# 08-0312.02
Miami Dade Product Control Division
By

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W07-108RC

SERIES PH3400 ALUM SLIDING GLASS DOOR (S.M.I.)

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2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

revisions:

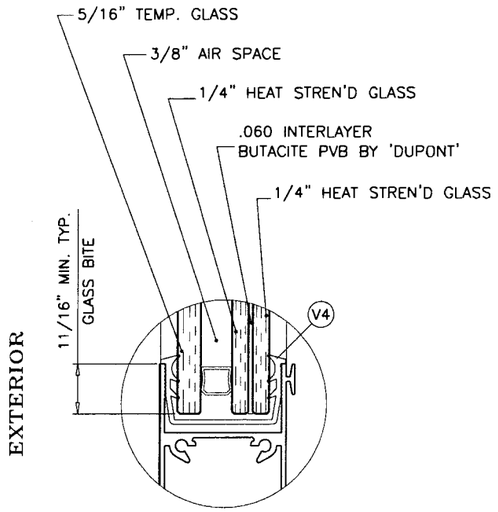
no	date	by	description
A	04.04.08		REV. PER BCCO COMMENTS
B	11.12.09		REV. PER BCCO COMMENTS

date: 02-07-08
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W07-108

DESIGN LOAD CAPACITY - PSF

PANEL WIDTH NOMINAL INCHES	DOOR HEIGHT INCHES	1/4" MAX. SHIM SPACE						1/2" MAX. SHIM SPACE					
		CLUSTER OF 4 ANCHORS		CLUSTER OF 6 ANCHORS		CLUSTER OF 8 ANCHORS		CLUSTER OF 4 ANCHORS		CLUSTER OF 6 ANCHORS		CLUSTER OF 8 ANCHORS	
		ANCHORS A	ANCHORS B	ANCHORS A	ANCHORS B	ANCHORS A	ANCHORS B	ANCHORS A & AA	ANCHORS B	ANCHORS A & AA	ANCHORS B	ANCHORS A & AA	ANCHORS B
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36	80	150.0	150.0	150.0	150.0	150.0	150.0	150.0	83.2	150.0	124.8	150.0	150.0
42		148.1	135.4	150.0	150.0	150.0	150.0	130.1	71.3	150.0	107.0	150.0	142.6
48		129.6	118.5	150.0	150.0	150.0	150.0	113.9	62.4	150.0	93.6	150.0	124.8
54		115.2	105.3	150.0	150.0	150.0	150.0	101.2	55.5	150.0	83.2	150.0	110.9
60		103.7	94.8	150.0	142.2	150.0	150.0	91.1	49.9	136.6	74.9	150.0	99.8
66		94.3	86.2	141.4	129.3	150.0	150.0	82.8	45.4	124.2	68.1	150.0	90.8
36	84	150.0	150.0	150.0	150.0	150.0	150.0	144.6	79.2	150.0	118.9	150.0	150.0
42		141.1	129.0	150.0	150.0	150.0	150.0	123.9	67.9	150.0	101.9	150.0	135.8
48		123.4	112.9	150.0	150.0	150.0	150.0	108.4	59.4	150.0	89.1	150.0	118.9
54		109.7	100.3	150.0	150.0	150.0	150.0	96.4	52.8	144.6	79.2	150.0	105.7
60		98.7	90.3	148.1	135.4	150.0	150.0	86.7	47.5	130.1	71.3	150.0	95.1
66		89.8	82.1	134.6	123.1	150.0	150.0	78.9	43.2	118.3	64.8	150.0	86.4
36	90	150.0	140.4	150.0	150.0	150.0	150.0	134.9	74.0	150.0	110.9	150.0	147.9
42		131.7	120.4	150.0	150.0	150.0	150.0	115.7	63.4	150.0	95.1	150.0	126.8
48		115.2	105.3	150.0	150.0	150.0	150.0	101.2	55.5	150.0	83.2	150.0	110.9
54		102.4	93.6	150.0	140.4	150.0	150.0	90.0	49.3	134.9	74.0	150.0	98.6
60		92.2	84.3	138.2	126.4	150.0	150.0	81.0	44.4	121.4	66.6	150.0	88.7
36	96	144.0	131.7	150.0	150.0	150.0	150.0	126.5	69.3	150.0	104.0	150.0	138.7
42		123.4	112.9	150.0	150.0	150.0	150.0	108.4	59.4	150.0	89.1	150.0	118.9
48		108.0	98.8	150.0	148.1	150.0	150.0	94.9	52.0	142.3	78.0	150.0	104.0
54		96.0	87.8	144.0	131.7	150.0	150.0	84.3	46.2	126.5	69.3	150.0	92.4
36	102	135.5	123.9	150.0	150.0	150.0	150.0	119.1	65.3	150.0	97.9	150.0	130.5
42		116.2	106.2	150.0	150.0	150.0	150.0	102.1	55.9	150.0	83.9	150.0	111.9
48		101.6	92.9	150.0	139.4	150.0	150.0	89.3	48.9	133.9	73.4	150.0	97.9
54		90.4	82.6	135.5	123.9	150.0	150.0	79.4	43.5	119.1	65.3	150.0	87.0
36	108	128.0	117.0	150.0	150.0	150.0	150.0	112.4	61.6	150.0	92.4	150.0	123.3
42		109.7	100.3	150.0	150.0	150.0	150.0	96.4	52.8	144.6	79.2	150.0	105.7
48		96.0	87.8	144.0	131.7	150.0	150.0	84.3	46.2	126.5	69.3	150.0	92.4
36	114	121.3	110.9	150.0	150.0	150.0	150.0	106.5	58.4	150.0	87.6	150.0	116.8
42		103.9	95.0	150.0	142.6	150.0	150.0	91.3	50.0	137.0	75.1	150.0	100.1
48		90.9	83.2	136.4	124.7	150.0	150.0	79.9	43.8	119.8	65.7	150.0	87.6
36	119	116.2	106.2	150.0	150.0	150.0	150.0	102.1	55.9	150.0	83.9	150.0	111.9
42		99.6	91.0	149.4	136.6	150.0	150.0	87.5	47.9	131.2	71.9	150.0	95.9
48		87.1	79.7	130.7	119.5	150.0	150.0	76.5	41.9	114.8	62.9	150.0	83.9



GLAZING DETAIL

1-1/4" OVERALL INSUL. LAMINATED GLASS

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

APR 22 2010

Approved as complying with the Florida Building Code
Date 06/15/2010
NOA# 08-0312.02
Miami-Dade Product Control Division
By

afc
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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SERIES PH3400 ALUM SLIDING GLASS DOOR (S.M.I.)

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revisions:

no	date	by	description
A	04.04.08		REV. PER BCCO COMMENTS
B	11.12.09		REV. PER BCCO COMMENTS

date: 02-07-08
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W07-108

sheet 2 of 7

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	PH3400-001	1/ PANEL	INTERLOCK STILE INSIDE	6005-T5	-
E2	PH3400-002	1	LOCK STILE	6063-T6	-
E4	PH3400-004	1/ FIX. PANEL	JAMB STILE	6063-T6	-
E5	PH3400-005	2	FRAME JAMB	6063-T6	-
E6	PH3400-006	1	FRAME HEAD	6005-T5	-
E7	PH3400-007	1	SILL TRACK	6005-T5	-
E8	PH3400-008	1	SILL THRESHOLD	6063-T6	-
E9	PH3400-009	1	HEAD CLOSURE ADAPTOR	6063-T6	-
E10	PH3400-010	1/ MOV. PANEL	MOVING OUTSIDE TOP RAIL	6063-T6	-
E11	PH3400-011	1/ MOV. PANEL	MOVING OUTSIDE BOTTOM RAIL	6005-T5	-
E12	PH3400-012	1/ FIX. PANEL	FIXED INSIDE TOP RAIL	6063-T6	-
E13	PH3400-013	1/ FIX. PANEL	FIXED INSIDE BOTTOM RAIL	6063-T6	-
E14	2400ST-031	AS REQD.	SILL TRACK PLATE, 5" LONG AT ENDS, 10" LONG AT STILE LOCATIONS	6061-T6	-
E15	2400ST-040	AS REQD.	SCREEN TRACK INSIDE	-	-
E16	2400ST-056	AS REQD.	SCREEN VERTICAL JAMB	-	-
E17	2400ST-057	AS REQD.	SCREEN TOP & BOTTOM RAIL	-	-
E18	PH3400-016	AS REQD.	HEAVY INTERLOCK STILE OUTSIDE	6005-T5	-
E19	PH3400-015	AS REQD.	HEAVY MEETING STILE	6005-T5	-
S1		2/ CORNER	#14 X 1" PH SMS TYPE "B" ST/ST	-	FRAME ASSY SCREWS
S2		2/ CORNER	#10 X 1" PH SMS TYPE "B" ST/ST	-	PANEL ASSY SCREWS
S3		AS REQD.	#10 X 3/4" PH.SMS. ST/ST	-	-
S5		4/ CLIP	1/4-20 X 3/4" LG. SOGKET HEAD CAP SCREW	ST/ST	-
V1	V-019	1/ MOV. PANEL	DRIP SILL VINYL (DUROMETER 65±5 SHORE A)	SOFT PVC	-
V2	V-026	AS REQD.	BULB VINYL (DUROMETER 65±5 SHORE A)	SOFT PVC	-
V3	V-047	AS REQD.	BULB VINYL (DUROMETER 60±5)	-	-
V4	V-067	AS REQD.	MARINE GLAZING FOR LAM/INS. GLASS SMI (DUROMETER ±65 SHORE A)	EPDM	CANAL VIDRIOS LTDA
M1	U54	-	Q-LON 375T270 @ INTERLOCK, JAMBS & MTG. STILES	-	-
M2	W31235NIK	AS REQD.	PILE WITH PLASTIC FIN W'STRIPPING	-	-
M3	E16-106W/B	AS REQD.	SILICONE BUMPER	-	-
M4	DC995	-	BLACK SILICONE (LMI)	-	-
M5	CCES-1003	-	ROLLER TRACK COVER	ST/ST	-
M6	RC 00151W/D	-	SILL ANCHOR TRACK	6005-T5	6" LONG
M7	U56	-	Q-LON 250T270 @ HEAD ADAPTOR & SILL THRESHOLD	-	-
H1	10 0030 01	1	(WIPI) HARDWARE	-	-
H2	10 0071 01	2/ MOV. PANEL	(WIPI) ROLLER LARGE	-	-

SEALANTS:

ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH WHITE/ALUM COLORED SEALANT.

LOCKS:

THREE PLY METALLIC HOOK LOCK WITH SURFACE MOUNT METALLIC HANDLE AT 42" FROM BOTTOM.
LOCK FASTENED WITH (2) #6 X 1/2" FH MACHINE SCREWS AND HANDLE FASTENED WITH (2) #8 X 2-1/4" OH MACHINE SCREWS.
SURFACE MOUNT METALLIC KEEPERS AT 42" FROM BOTTOM FASTENED WITH (2) #10 X 3/4" PH SMS.

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

APR 2 8 2010

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date: 02-07-08
scale: -
dr. by: HAMID
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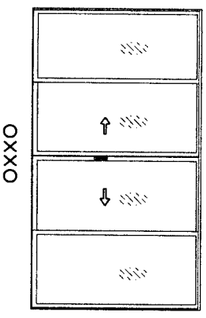
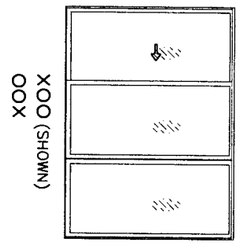
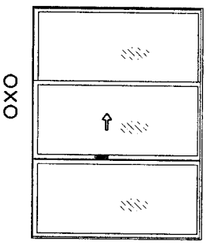
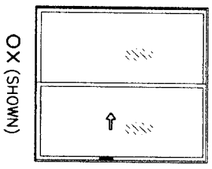
drawing no.
W07-108

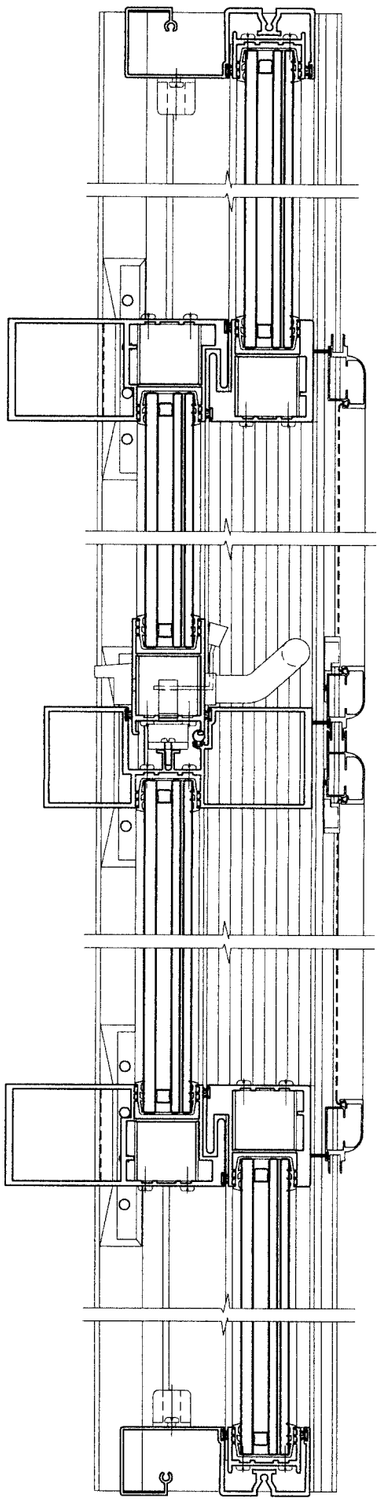
APPROVED CONFIGURATIONS

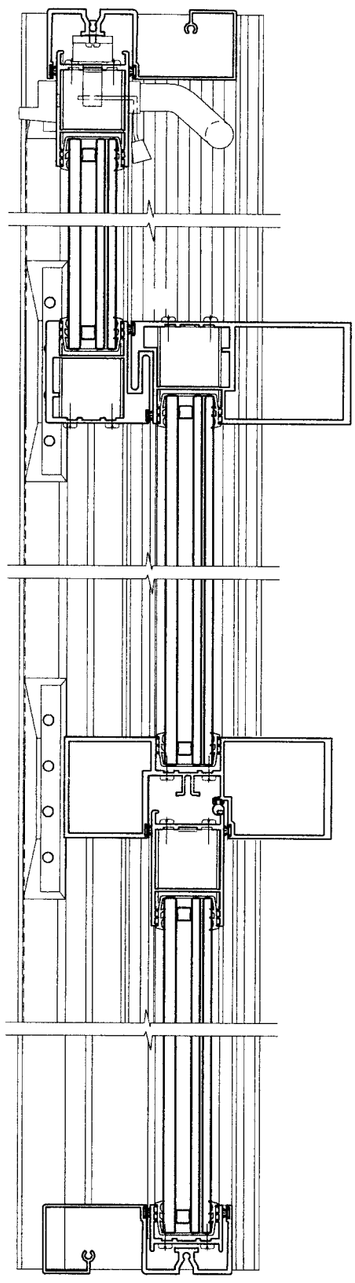


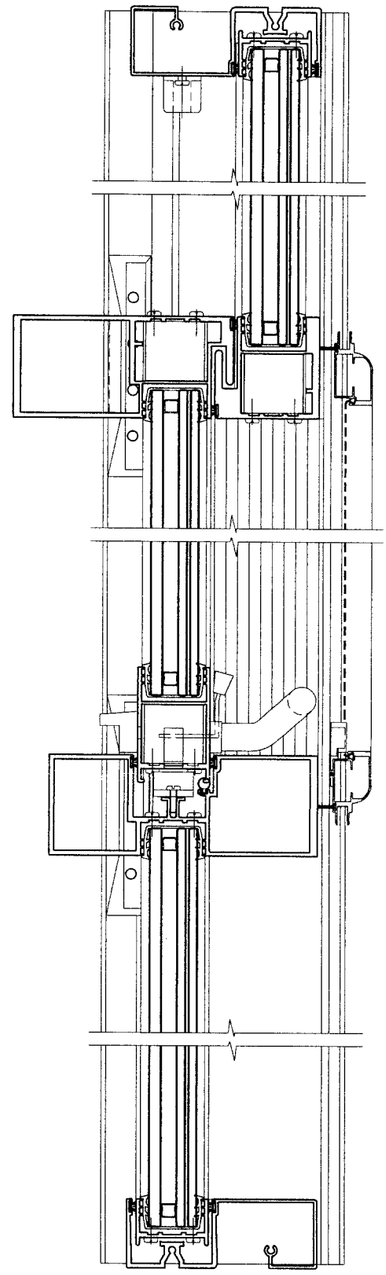


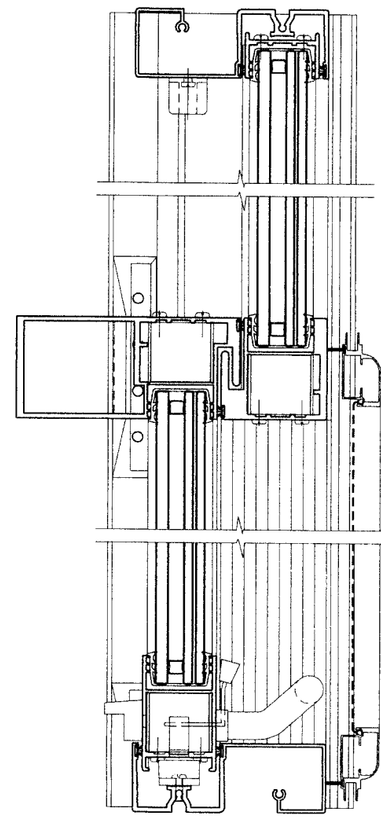












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Miami Dade Product Control Division
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APR 29 2010

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

Sheet 3.1 of 7	drawing no. W07-108	date: 02-07-08	
		scale: –	
		dr. by: HAMID	
		chk. by:	

revisions:

no	date	by	description
B	11.12.09		REV. PER BCCO COMMENTS

SERIES PH3400 ALUM SLIDING GLASS DOOR (S.M.I.)

R.C. ALUMINUM INDUSTRIES INC.
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TEL. (305) 592-1515 FAX. (305) 592-2184

AL-FAROOQ CORPORATION
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afc

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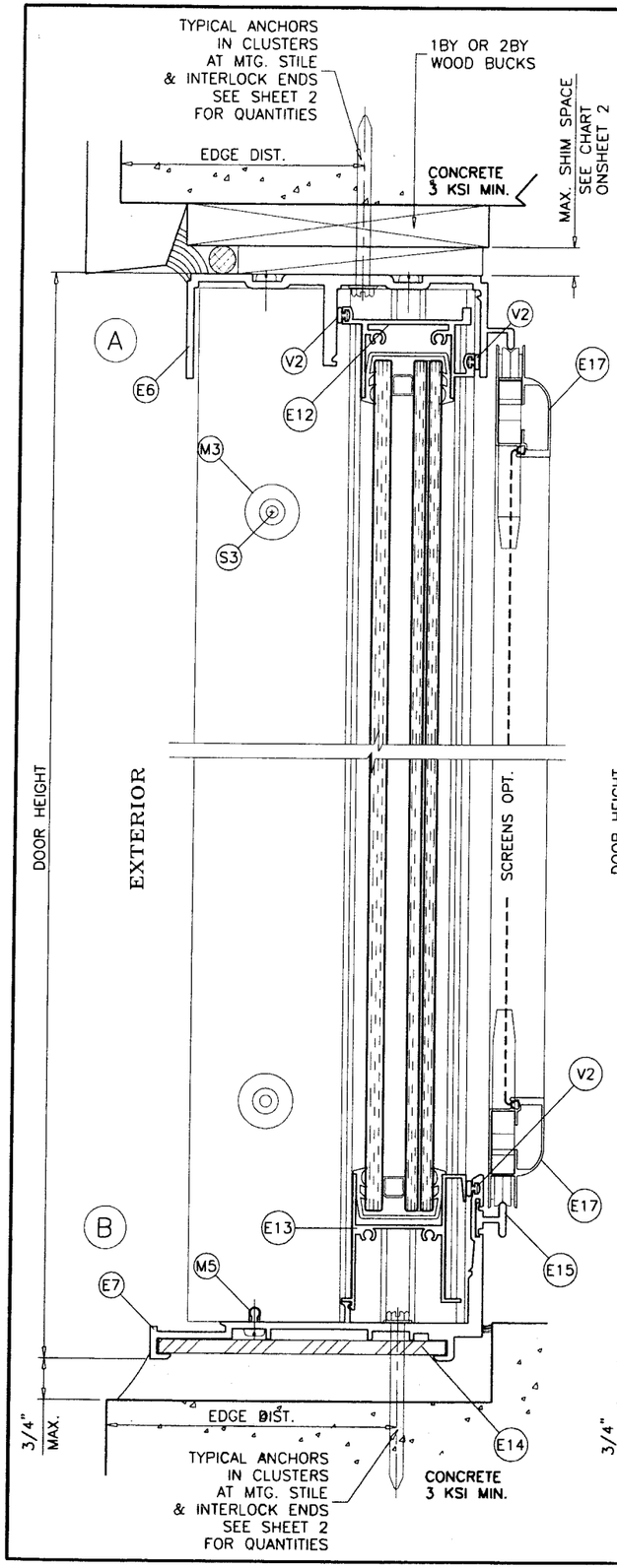

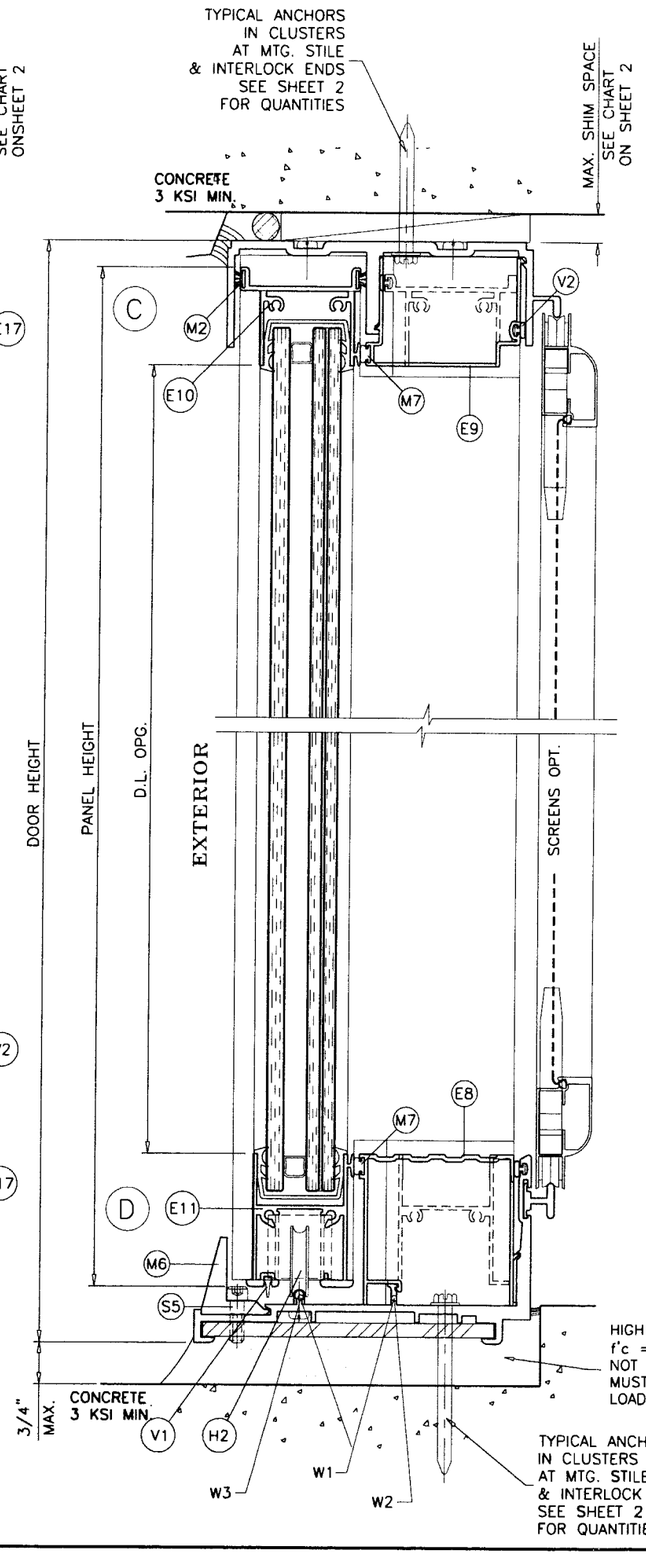

WEEPS:

W1 = 3/4" WEEP NOTCH AT EACH END OF EACH TRACK
W2 = 1-3/4" NOTCH AT MIDSPAN OF FIX. PANEL TRACK
W3 = 2-1/2" NOTCH AT MIDSPAN OF MOV. PANEL TRACK

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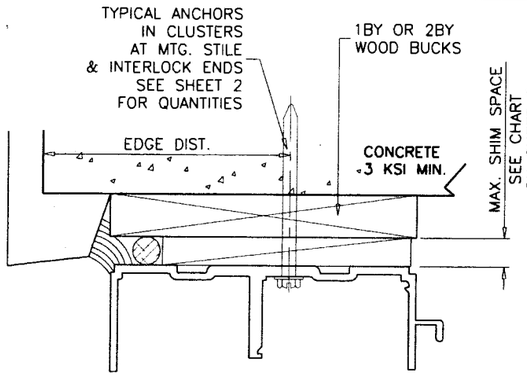
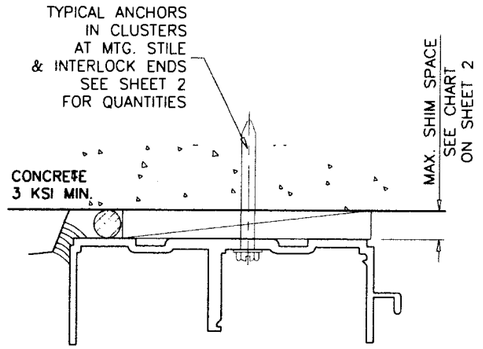
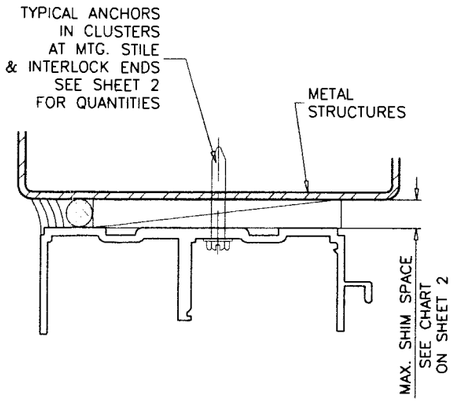
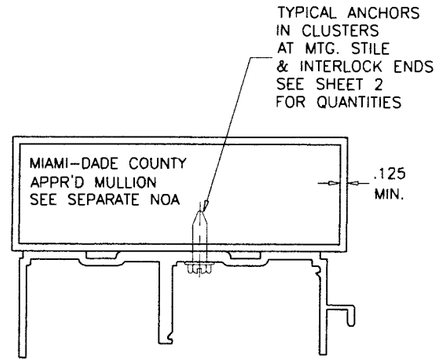
sheet 4 of 7









1BY OR 2BY WOOD BUCKS AND METAL STRUCTURES NOT BY RC ALUM MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

AT HEAD

TYPE 'A'

1/4" X 2-3/4" DIA HILTI KWIK-CON II
DIRECTLY INTO CONCRETE

TYPE 'AA'

1/4" X 2-3/4" DIA HILTI KWIK-CON II (Fu=163 KSI, Fy=157 KSI)
THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE

TYPE 'B'

1/4" DIA. HILTI KWIK-FLEX SELF DRILLING SCREWS (Fu=92 KSI, Fy=120 KSI)
INTO METAL STRUCTURES OR APPROVED MULLIONS
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)

AT SILL

1/4" DIA HILTI KWIK-CON II (Fu=163 KSI, Fy=157 KSI)
DIRECTLY INTO CONCRETE, 1-1/2" MIN. CONCRETE EMBEDMENT

AT JAMBS

1/4" DIA. HILTI KWIK-CON II (Fu=163 KSI, Fy=157 KSI)
THRU 1BY BUCKS, 1-1/4" MIN. CONC. OR MASONRY EMBED.
INTO 2BY BUCKS, 1-3/8" MIN. WOOD EMBEDMENT
DIRECTLY INTO MASONRY, 1-1/4" MIN. MASONRY EMBEDMENT
DIRECTLY INTO CONCRETE, 1-1/2" MIN. CONCRETE EMBEDMENT

1/4" DIA. HILTI KWIK-FLEX SELF DRILLING SCREWS (Fu=92 KSI, Fy=120 KSI)
INTO METAL STRUCTURES OR APPROVED MULLIONS
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)

ANCHOR EDGE DISTANCES

INTO CONCRETE = 3" 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 = 1500 PSI MIN.

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chk. by:

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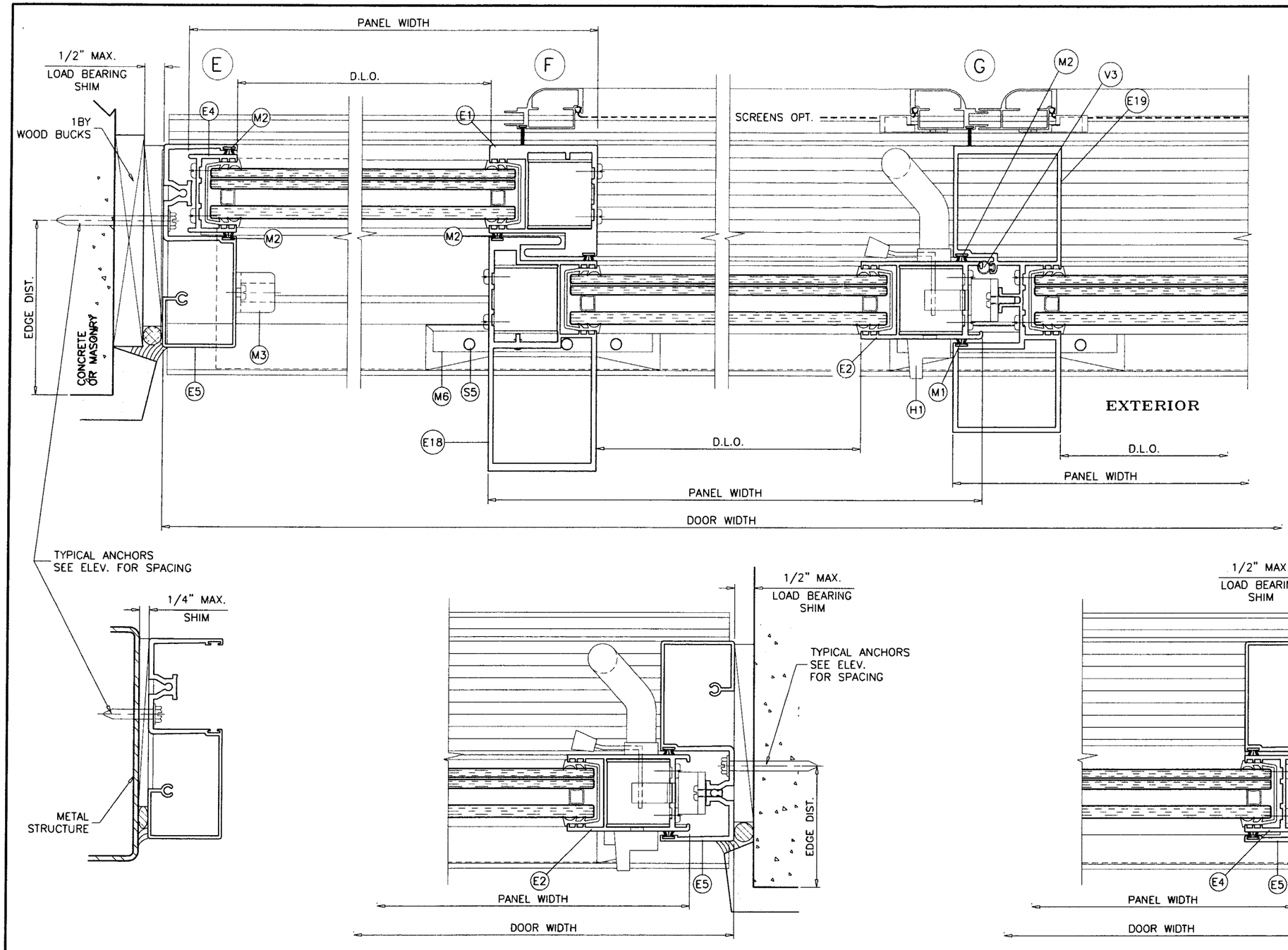

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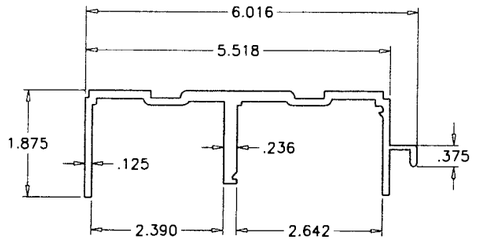
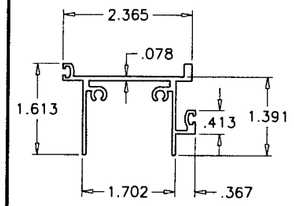
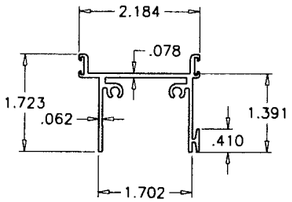


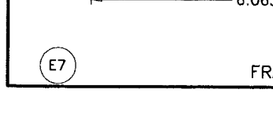
E6 FRAME HEAD



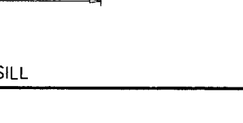
E12 FIX. TOP RAIL



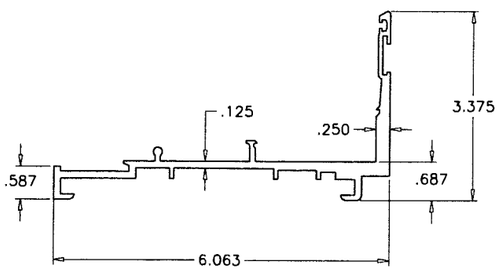
E10 MOV. TOP RAIL



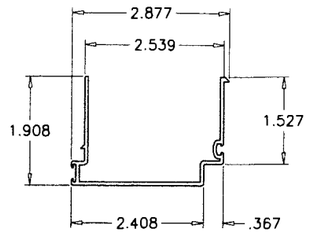
E13 FIX. BOTTOM RAIL



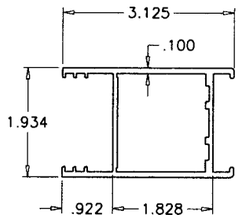
E11 MOVING BOTTOM RAIL



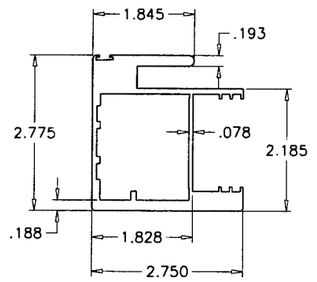
E7 FRAME SILL



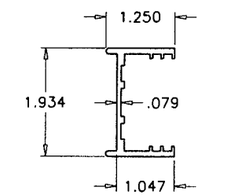
E9 HEAD COVER



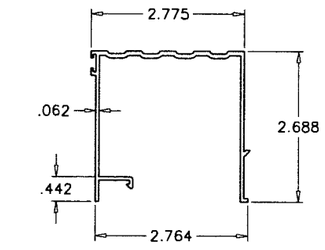
E2 LOCK STILE



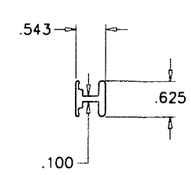
E1 INTERIOR INTERLOCK



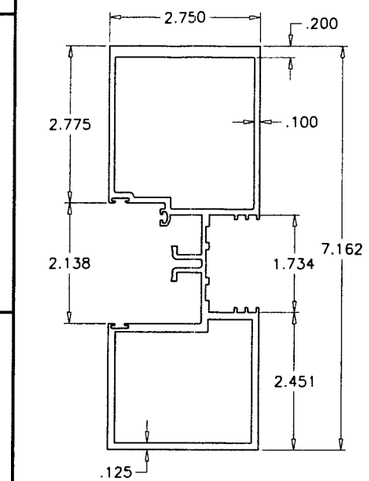
E4 FIXED STILE



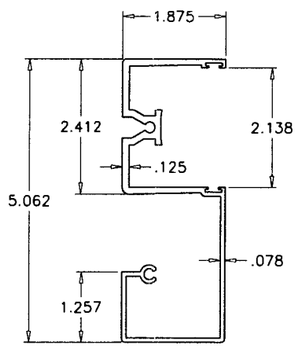
E8 THRESHOLD COVER



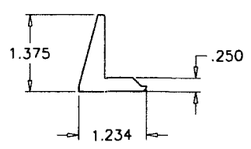
E15 INSIDE SILL TRACK



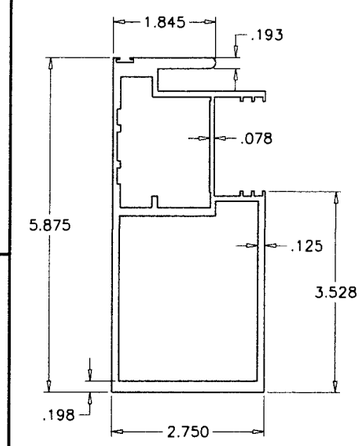
E19 HEAVY MTG. STILE



E5 FRAME JAMB



M6 SILL ANCHOR



E18 HEAVY EXTERIOR INTERLOCK

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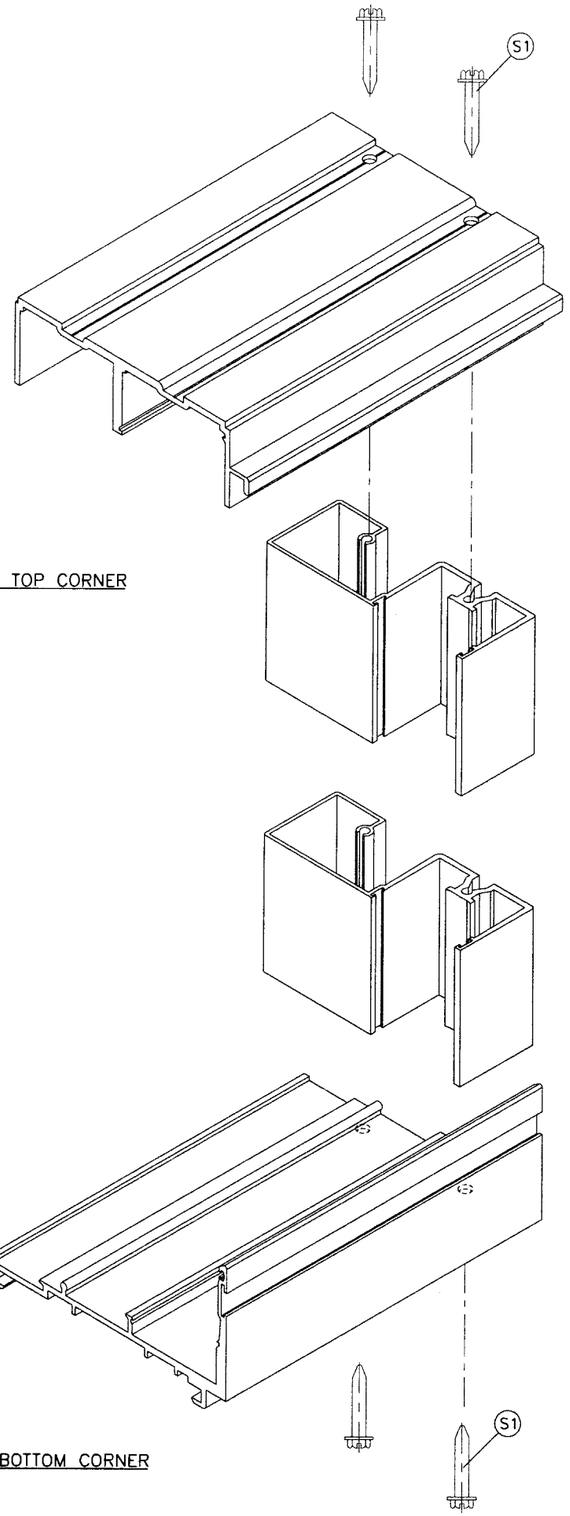
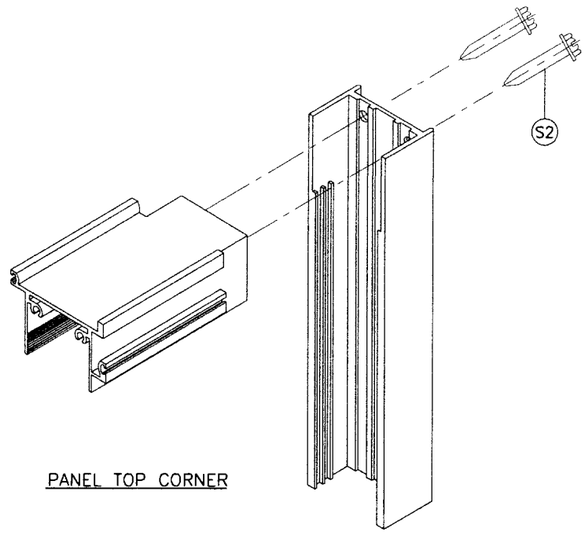


FRAME TOP CORNER

FRAME BOTTOM CORNER



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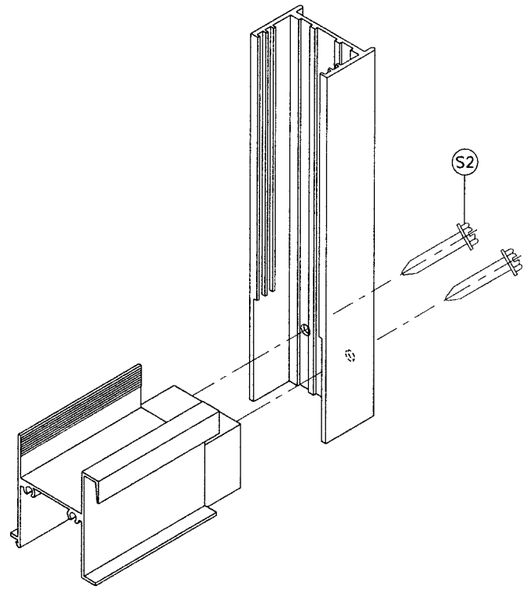

PANEL BOTTOM CORNER

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