



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
www.miamidade.gov/buildingcode

**BUILDING CODE COMPLIANCE OFFICE (BCCO)
 PRODUCT CONTROL DIVISION
 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 "PH 3200" Aluminum Sliding Glass Door - S.M.I.

APPROVAL DOCUMENT: Drawing No. **W07-101**, titled "Series PH 3200 Alum. Sliding Glass Door (S.M.I.)", sheets 1 through 7 of 7, dated 11/08/07, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, 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 page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**



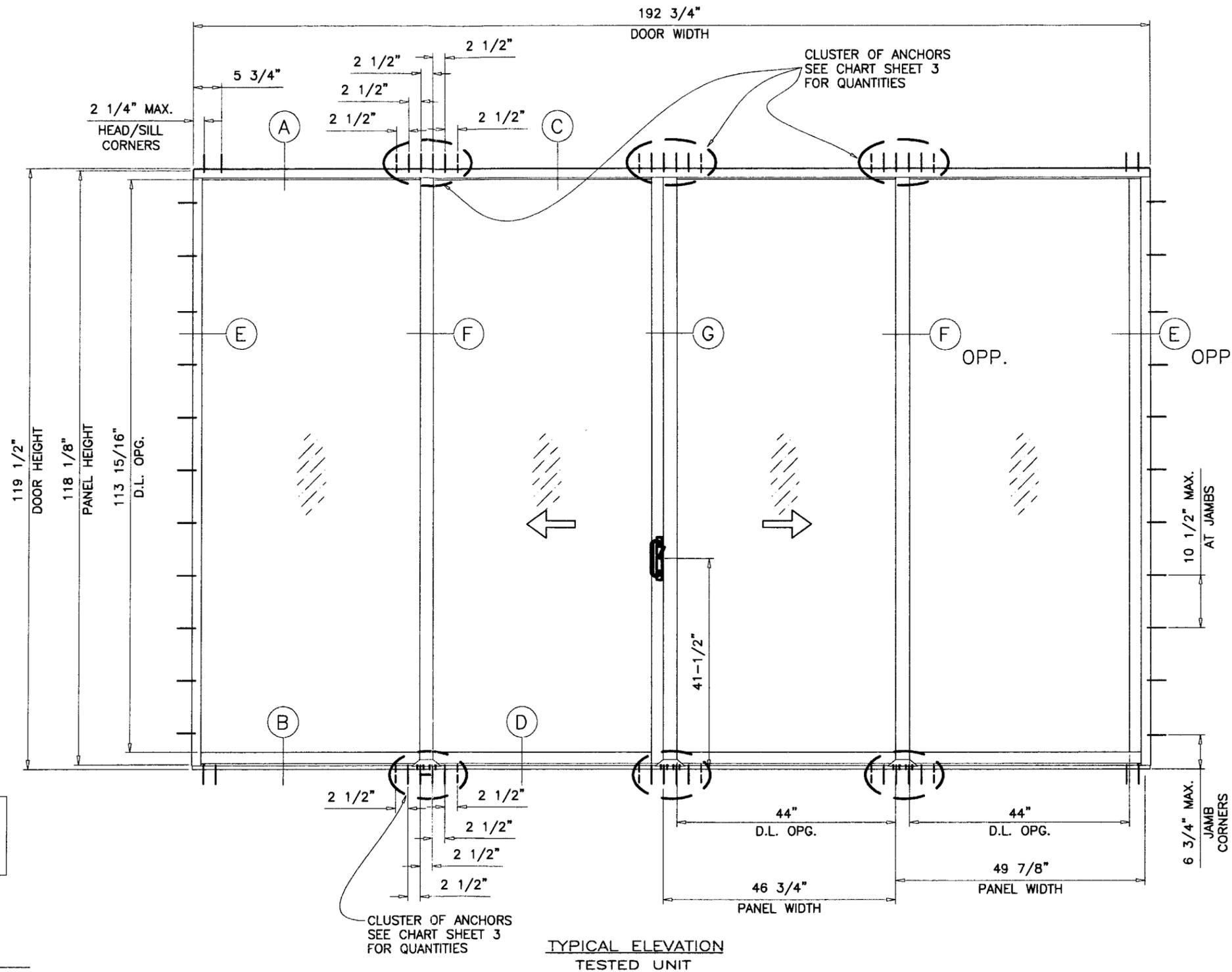
NOA No. 08-0130.09
 Expiration Date: September 25, 2013
 Approval Date: September 25, 2008
 Page 1

R. C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- A. DRAWINGS**
1. Manufacturer's die drawings and sections.
 2. Drawing No **W07-101**, titled "Series PH 3200 Alum. Sliding Glass Door (S.M.I.)", sheets 1 through 7 of 7, dated 11/08/07, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, 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) Forced Entry Resistance, per FBC, TAS 202-94
5) Small Missile Impact Test, per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading, per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5288**, dated 07/23/07, signed and sealed by Carlos S. Rionda, P.E.
- C. CALCULATIONS**
1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated 12/05/07, signed and sealed by 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. **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, Manny Perez dated December 5, 2007, signed and sealed by Humayoun Farooq, P.E.
 2. Statement letter of no financial interest, dated November 26, 2007, signed and sealed by Humayoun Farooq, P.E.
 3. Laboratory compliance letter for Test Report no. **FTL-5288**, issued by Fenestration Testing Laboratory, Inc., dated August 30, 2007, signed and sealed by Carlos S. Rionda, P.E.
- G. OTHER**
1. None


Manuel Perez, P.E.
Product Control Division
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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 PH3200 ALUM SLIDING GLASS DOOR

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHART SHOWN ON SHEET 3.

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

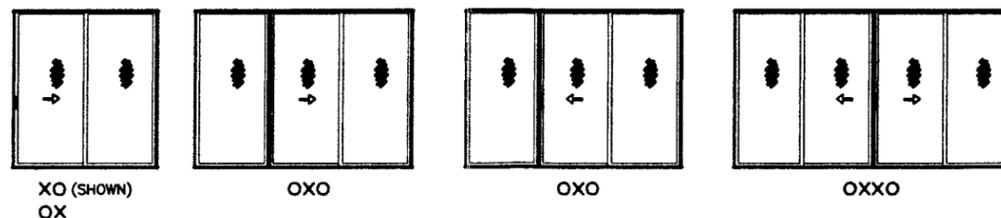
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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 IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BLDG. CODE SECTION 2003.8.4.



APPROVED CONFIGURATIONS

TWO OR THREE TRACK FRAME DOOR CONFIGURATIONS OF MORE THAN FOUR PANELS USING STILE COMBINATIONS SHOWN IN THESE DETAILS MAY ALSO BE APPROVED (EXAMPLE OXXOO).

Engr. DR. HUMAYOON FAROOG
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

DEC 27 2007

Approved as complying with the Florida Building Code
Date 12/25/2008
NOA# 08-0130-09
Miami Dade Product Control Division
By *Manuel Perez*

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\W07-101RC

SERIES PH3200 ALUM SLIDING GLASS DOOR (S.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	by	description

date: 11-08-07
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W07-101
sheet 1 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	-
E3	PH3400-003	1	MEETING STILE	6005-T5	-
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	-	-
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	SOFT PVC	-
V2	V-026	AS REQD.	BULB VINYL	SOFT PVC	-
V3	V-047	AS REQD.	BULB VINYL	-	-
V4	V-067	AS REQD.	MARINE GLAZING FOR LAM/INS. GLASS SMI	EPDM	-
M1	U52	-	Q-LON 250T270 @ HEAD ADAPTOR & SILL THRESHOLD	-	-
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
H1	10 0030 01	-	(WIPI) HARDWARE	-	-
H2	10 0071 01	-	(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: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 DEC 27 2007

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 By *[Signature]*

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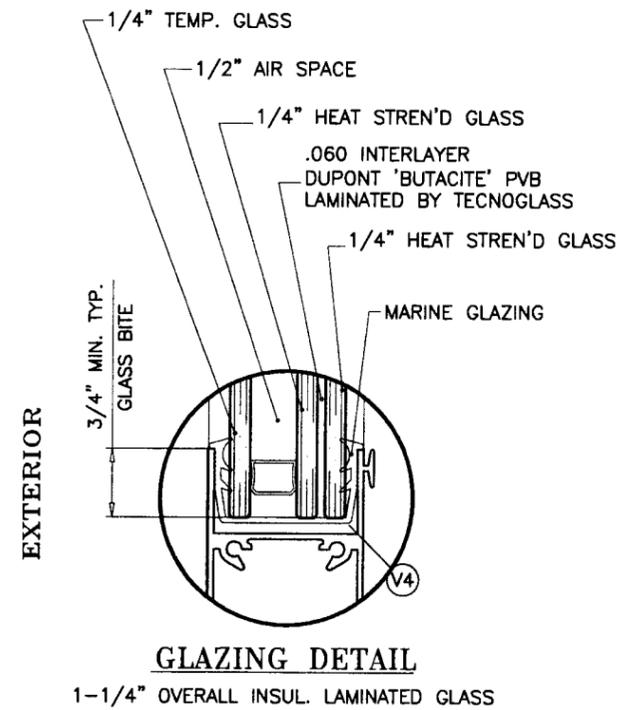
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drawing no.
W07-101
 sheet 2 of 7

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 4 ANCHORS		CLUSTER OF 6 ANCHORS		
		ANCHORS A	ANCHORS B	ANCHORS A	ANCHORS B	ANCHORS A	ANCHORS B	ANCHORS A	ANCHORS B	
		EXT. (+) INT. (-)	EXT. (+) INT. (-)							
36	80	120.0	120.0	120.0	120.0	120.0	83.2	120.0	120.0	
42		120.0	120.0	120.0	120.0	120.0	71.3	120.0	107.0	
48		120.0	118.5	120.0	120.0	113.9	62.4	120.0	93.6	
54		115.2	105.3	120.0	120.0	101.2	55.5	120.0	83.2	
60		103.7	94.8	120.0	120.0	91.1	49.9	120.0	74.9	
36	84	120.0	120.0	120.0	120.0	120.0	79.2	120.0	118.9	
42		120.0	120.0	120.0	120.0	120.0	67.9	120.0	101.9	
48		120.0	112.9	120.0	120.0	108.4	59.4	120.0	89.1	
54		109.7	100.3	120.0	120.0	96.4	52.8	120.0	79.2	
60		98.7	90.3	120.0	120.0	86.7	47.5	120.0	71.3	
36	90	120.0	120.0	120.0	120.0	120.0	74.0	120.0	110.9	
42		120.0	120.0	120.0	120.0	115.7	63.4	120.0	95.1	
48		115.2	105.3	120.0	120.0	101.2	55.5	120.0	83.2	
54		102.4	93.6	120.0	120.0	90.0	49.3	120.0	74.0	
60		92.2	84.3	120.0	120.0	81.0	44.4	120.0	66.6	
36	96	120.0	120.0	120.0	120.0	120.0	69.3	120.0	104.0	
42		120.0	112.9	120.0	120.0	108.4	59.4	120.0	89.1	
48		108.0	98.8	120.0	120.0	94.9	52.0	120.0	78.0	
54		96.0	87.8	120.0	120.0	84.3	46.2	120.0	69.3	
60		86.4	79.0	120.0	120.0	75.9	41.6	113.9	62.4	
36	102	120.0	120.0	120.0	120.0	119.1	65.3	120.0	97.9	
42		116.2	106.2	120.0	120.0	102.1	55.9	120.0	83.9	
48		101.6	92.9	120.0	120.0	89.3	48.9	120.0	73.4	
54		90.4	82.6	120.0	120.0	79.4	43.5	119.1	65.3	
36		108	120.0	117.0	120.0	120.0	112.4	61.6	120.0	92.4
42	109.7		100.3	120.0	120.0	96.4	52.8	120.0	79.2	
48	96.0		87.8	120.0	120.0	84.3	46.2	120.0	69.3	
36	114		120.0	110.9	120.0	120.0	106.5	58.4	120.0	87.6
42			103.9	95.0	120.0	120.0	91.3	50.0	120.0	75.1
48		90.9	83.2	120.0	120.0	79.9	43.8	119.8	65.7	
36		119	116.2	106.2	120.0	120.0	102.1	55.9	120.0	83.9
42			99.6	91.0	120.0	120.0	87.5	47.9	120.0	71.9
48	87.1		79.7	120.0	119.5	76.5	41.9	114.8	62.9	



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

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

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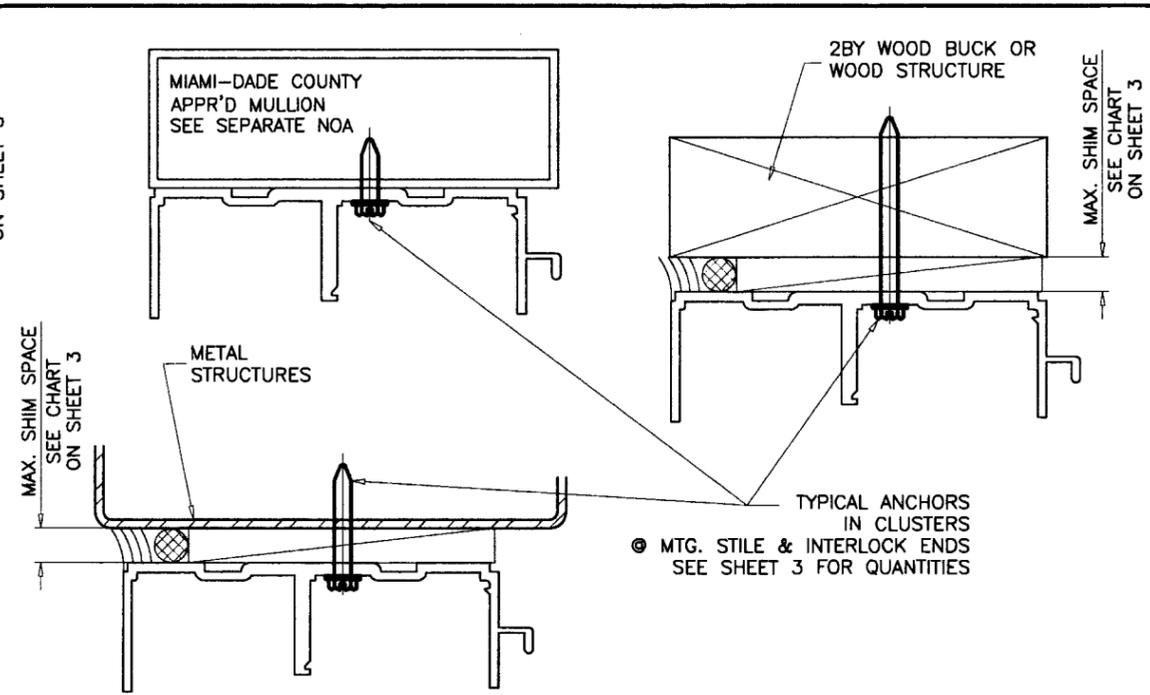
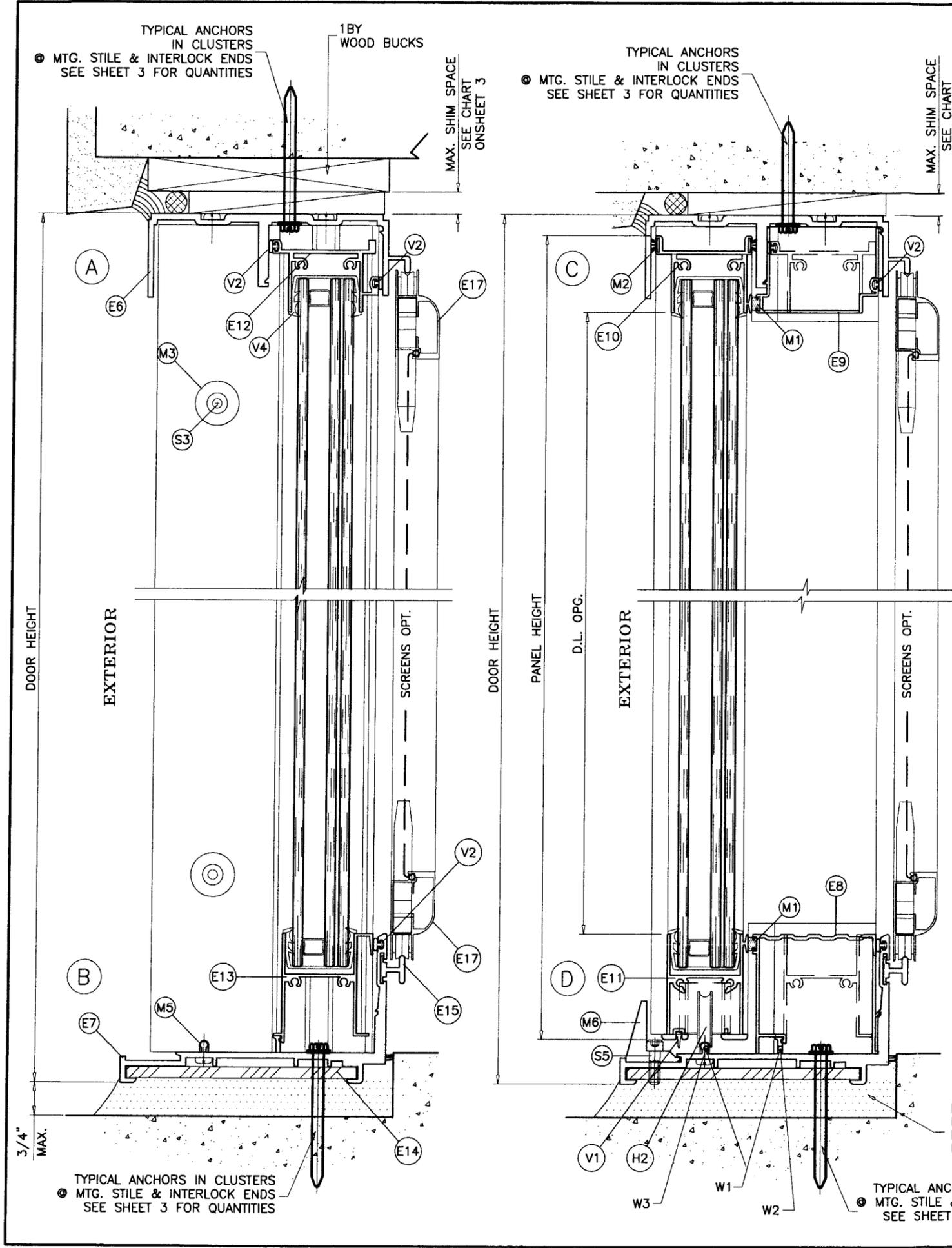
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date: 11-08-07
scale: -
dr. by: HAMID
chk. by:

drawing no.
W07-101
sheet 3 of 7



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' 1/4" DIA. HILTI KWIK-CON II
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. WOOD PENETRATION
 THRU 1BY WOOD BUCKS INTO MASONRY OR CONC.
 1-1/4" MIN. EMBED INTO MASONRY OR CONC.

1/4" DIA. HILTI KWIK-CON II
 DIRECTLY INTO MASONRY OR CONCRETE
 1-1/4" MIN. EMBED INTO CONCRETE

TYPE 'B' #14" TEKS OR SELF DRILLING SCREWS
 INTO METAL STRUCTURES (1/8" MIN. THICKNESS),
 OR STEEL 12GA.
 INTO APPROVED MULLIONS (NO SHIM SPACE)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 3" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

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

HIGH STRENGTH GROUT
 NOT BY R.C. ALUM
 MUST TRANSFER SHEAR
 LOADS TO STRUCTURE

Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
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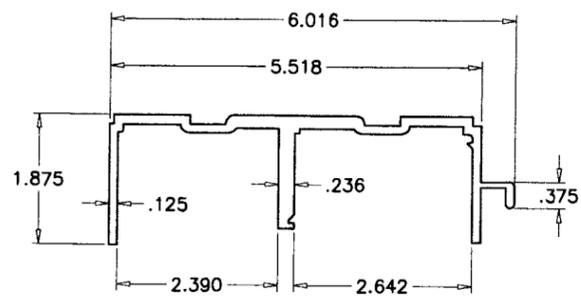
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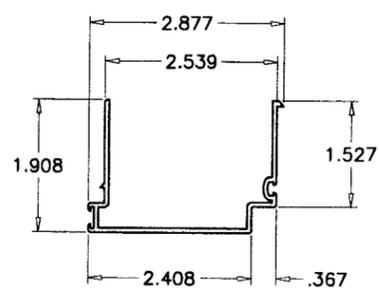
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date: 11-08-07
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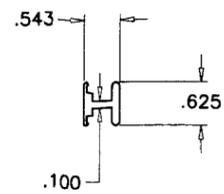
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W07-101
 sheet 4 of 7



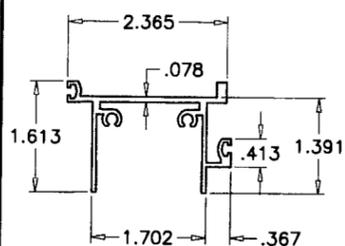
E6 FRAME HEAD



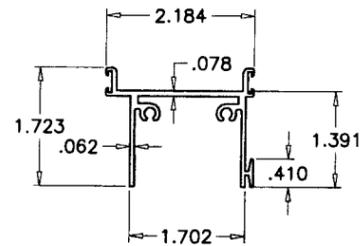
E9 HEAD COVER



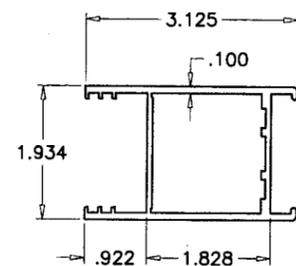
E15 INSIDE SILL TRACK



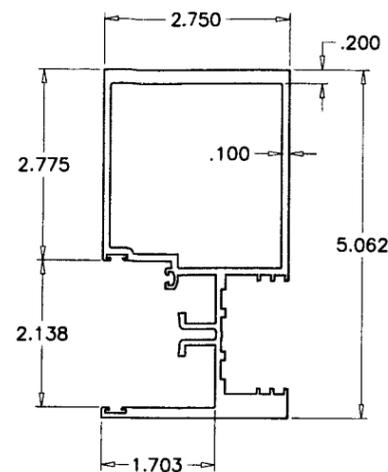
E12 FIX. TOP RAIL



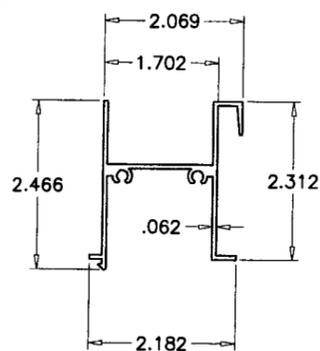
E10 MOV. TOP RAIL



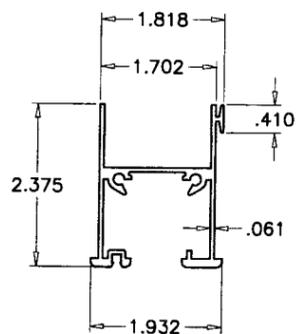
E2 LOCK STILE



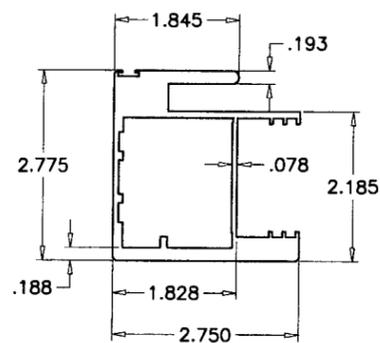
E3 MTG. STILE



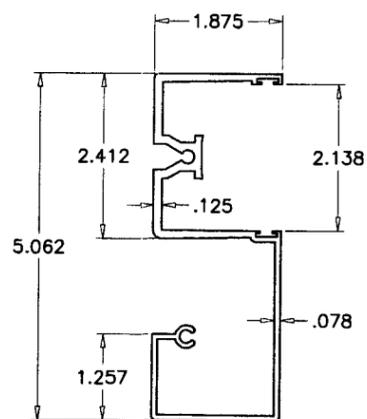
E13 FIX. BOTTOM RAIL



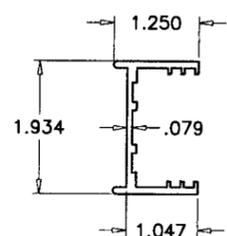
E11 MOVING BOTTOM RAIL



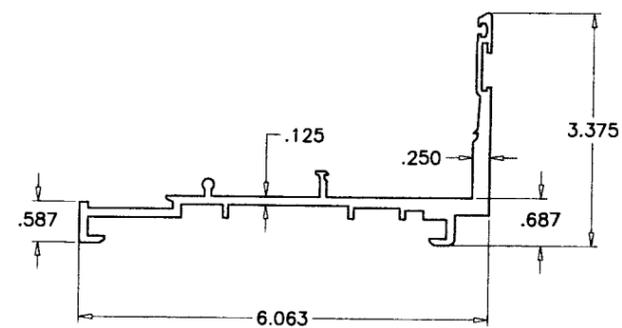
E1 INTERLOCK



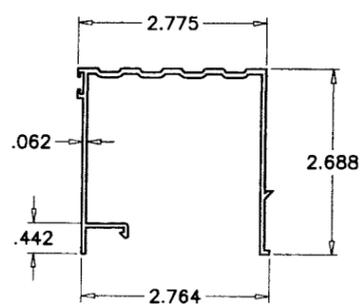
E5 FRAME JAMB



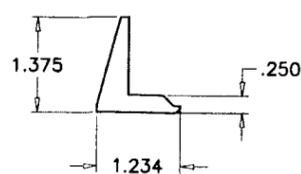
E4 FIXED STILE



E7 FRAME SILL



E8 THRESHOLD COVER



M6 SILL ANCHOR

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

DEC 27 2007

Approved as complying with the
Florida Building Code
Date 9/25/2008
NOA# 08-0130-09
Miami Dade Product Control
Division
By *Manuel Perez*

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W07-101RC

SERIES PH3200 ALUM SLIDING GLASS DOOR (S.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	by	description

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dr. by: HAMID
chk. by:

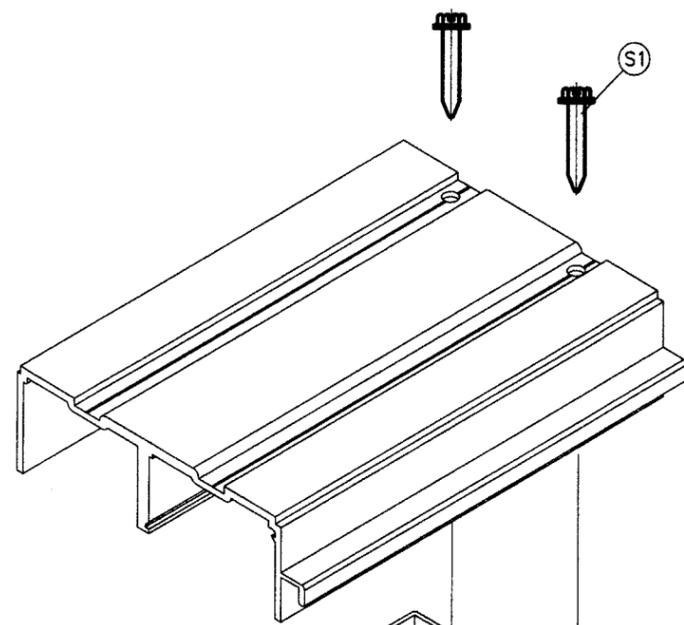
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W07-101
sheet 6 of 7

revisions:	no	date	by	description

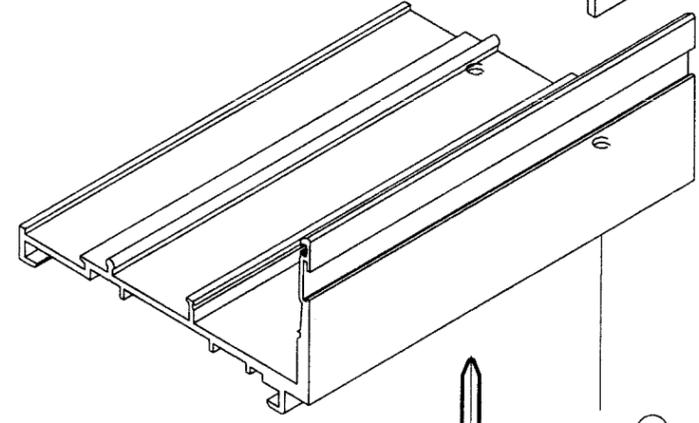
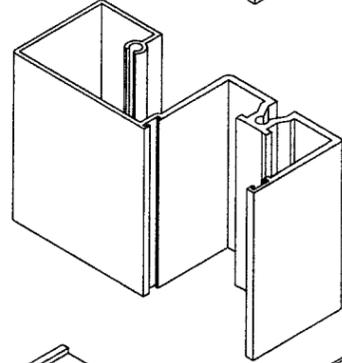
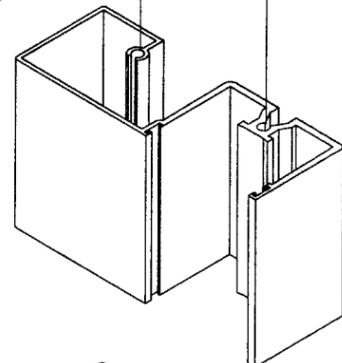
date:	11-08-07
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 Miami Dade Product Control Division
 By *[Signature]*

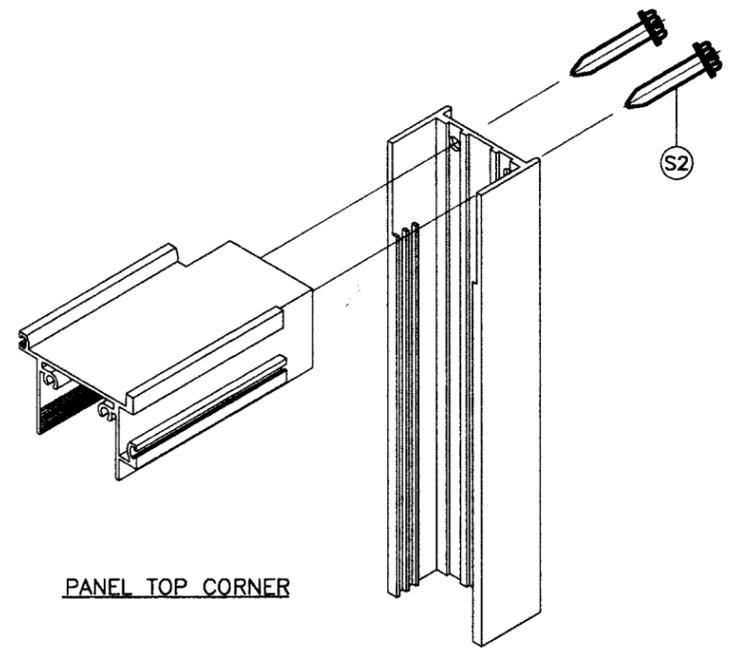
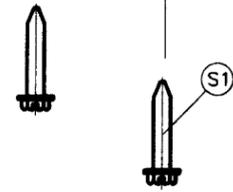
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W07-101
 sheet 7 of 7



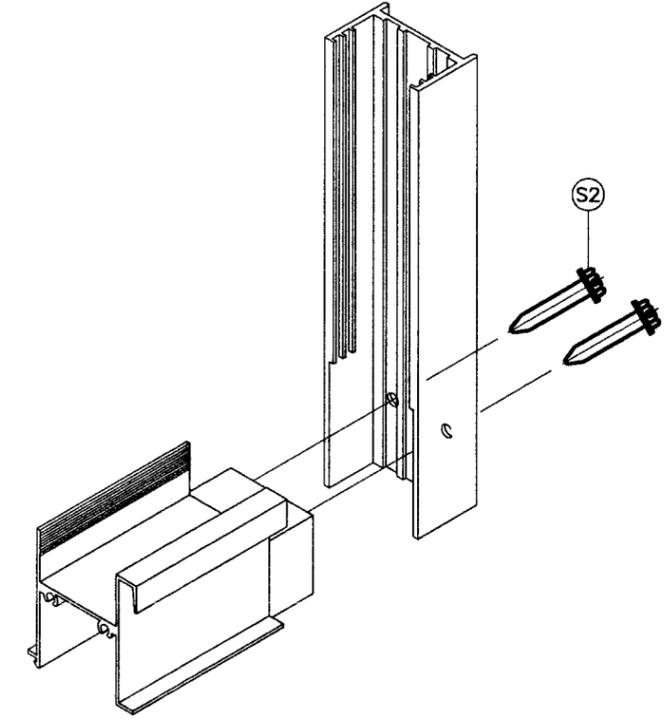
FRAME TOP CORNER



FRAME BOTTOM CORNER



PANEL TOP CORNER



PANEL BOTTOM CORNER

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
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[Signature]
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