



**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) 375-2908**

NOTICE OF ACCEPTANCE (NOA)

**R.C. Aluminum Industries, Inc.
2805 NW 75th Ave.
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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series 2400ST Sliding Glass Door (Small Missile)

APPROVAL DOCUMENT: Drawing No. W01-54, titled "Series-2400ST Aluminum Sliding Glass Door (Small Missile)", sheets 1 through 6 of 6, prepared by Humayoun Farooq, P.E., dated 3/28/02, 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

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.

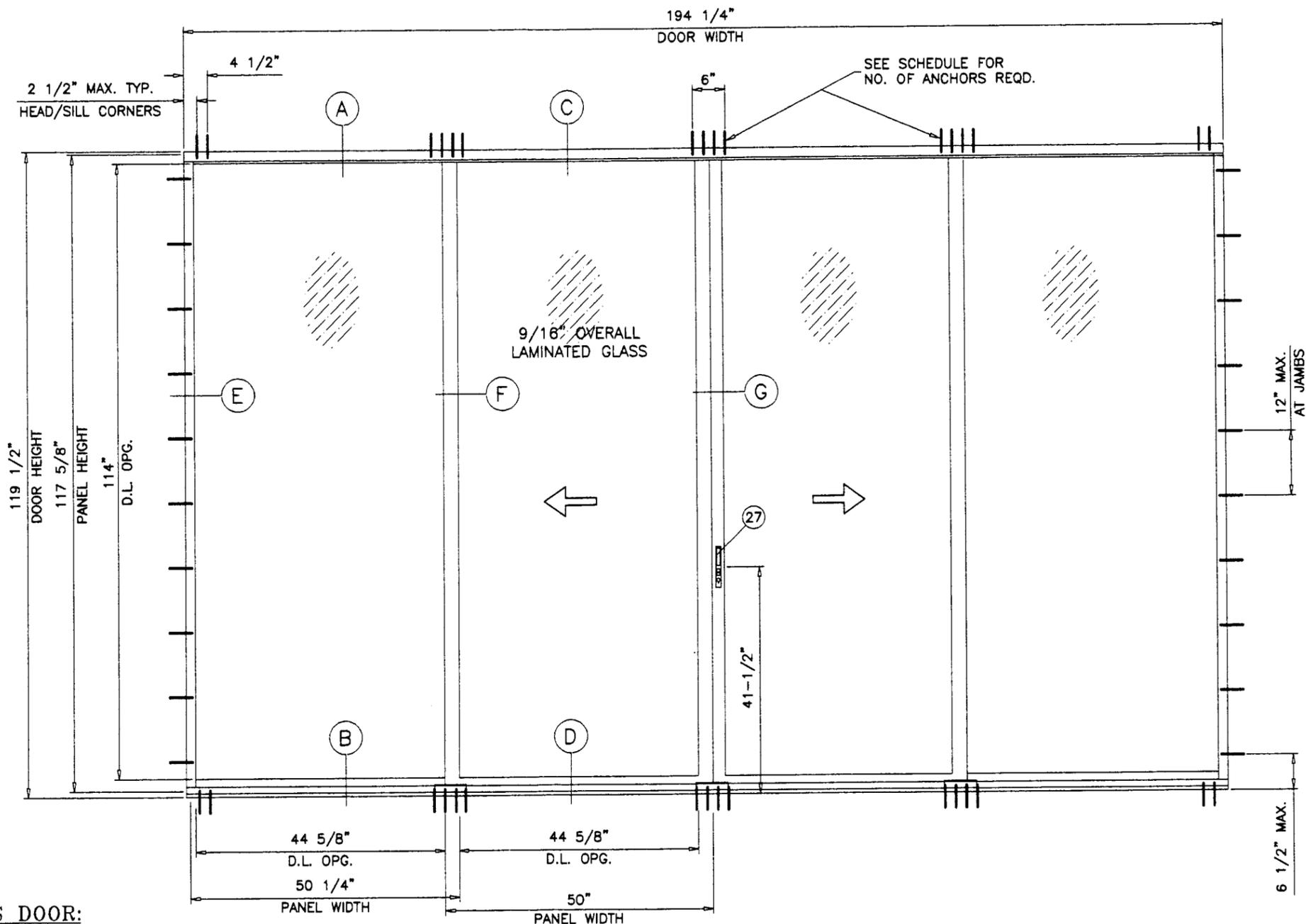
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 # 01-0927.04 and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Raul Rodriguez**



**NOA No 02-0222.03
Expiration Date: February 07, 2007
Approval Date: May 02, 2002
Page 1**



SERIES 2400ST ALUMINUM SLIDING GLASS DOOR:

DOORS GLAZED WITH 9/16" GLASS (.060" INTERLAYER) RATED FOR SMALL MISSILE IMPACT AND REQUIRE PROTECTION BY APPROVED IMPACT RESISTANT SHUTTERS FOR INSTALLATIONS BELOW 30 FT. OF GRADE.

SEE SHEET 2 FOR CAPACITY.

DOORS MAY HAVE ANY NUMBER OF PANELS USING STILE CONFIGURATIONS AS SHOWN ON SHEET 4. I.E. OX, XO, OXO, OXXO.

THESE PRODUCTS ARE DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY. ALSO FOR WIND LOADS AS PER ASCE 7 USING CORRESPONDING LOADS.

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

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.

TYPICAL ELEVATION
TESTED UNIT

SUBSTRATE	NO. OF ANCHORS REQD. AT HEAD AT STILE LOCATIONS								
	THRU WOOD BUCKS INTO MASONRY			DIRECTLY INTO MASONRY			INTO METAL STRUCTURES		
DESIGN LOAD	75 PSF	100 PSF	131 PSF	75 PSF	100 PSF	131 PSF	75 PSF	100 PSF	131 PSF
1/4" SHIM	5	6	7	4	4	4	4	4	5
3/8" SHIM	5	6	7	4	6	6	6	7	8
1/2" SHIM	5	7	8	5	7	8	7	9	10

ENGR. DR. HUMAYOUN FAROOQ
STRUCTURES
F.A. PE # 13557

MAR 28 2002

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 02-0222.03
Expiration Date 02/02/02

By: *[Signature]*
Miami Grade Product Control
Division

afc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W01-54RC

SERIES-2400ST ALUM SLD. GLASS DOOR (S.M.)
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
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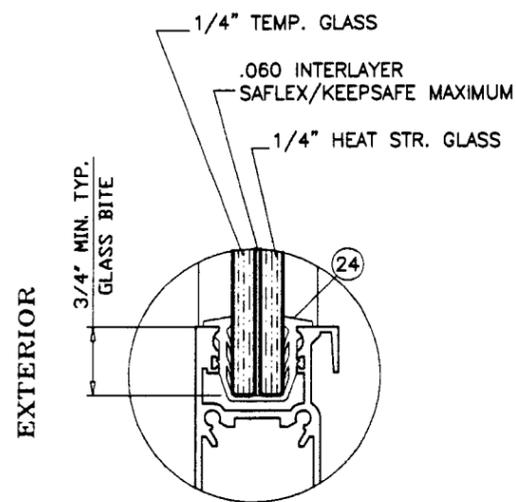
no	date	description
A	09.19.01	GLAZING DETAIL REV.
B	11.02.01	REV. PER BCCO COMMENTS
C	02.19.02	JAMB ANCHORS REV.

revisions:
date: 08-17-01
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W01-54

sheet 1 of 6

SMALL MISSILE IMPACT RESISTANT DOORS SHUTTERS NOT REQUIRED FOR INSTALLATIONS ABOVE 30 FT. OF GRADE			
PANEL WIDTH NOMINAL FT./IN.	DOOR HEIGHT FT./IN.	DESIGN LOAD CAPACITY - PSF	
		EXT. (+)	INT. (-)
2/6	8/0	131.0	131.0
3/0		131.0	131.0
3/6		131.0	131.0
4/0		130.3	130.3
4/6		112.3	112.3
5/0		98.5	98.5
2/6	8/6	131.0	131.0
3/0		131.0	131.0
3/6		131.0	131.0
4/0		127.5	127.5
4/6		105.3	105.3
2/6	9/0	131.0	131.0
3/0		131.0	131.0
3/6		131.0	131.0
4/0		120.4	120.4
2/6	9/6	131.0	131.0
3/0		131.0	131.0
3/6		131.0	131.0
4/0		113.8	113.8
2/6	10/0	131.0	131.0
3/0		131.0	131.0
3/6		131.0	131.0
4/0		108.1	108.1



SMALL MISSILE IMPACT RESISTANT
LAMINATED BY 'ARCH ALUM'

GLAZING DETAIL

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	2400ST-018	1	FRAME HEAD	6063-T6	-
2	2400ST-010	1	FRAME SILL	6005-T5	-
3	2400ST-001	2	FRAME JAMB	6063-T6	-
4	2400ST-008	1/MOV. PANEL	MOVING HORIZ. BOTT. RAIL	6063-T6	-
5	2400ST-009	1/FIX. PANEL	FIXED HORIZ. BOTT. RAIL	6063-T6	-
6	2400ST-006	1/MOV. PANEL	TOP MOVING RAIL	6063-T6	-
7	2400ST-007	1/FIX. PANEL	TOP FIXED RAIL	6063-T6	-
8	2400ST-004	1/FIX. PANEL	JAMB FIXED STILE	6063-T6	-
9	2400ST-002	1	LOCK STILE	6063-T6	-
10	2400ST-003	1/ PANEL	INTERLOCK	6005-T5	-
11	2400ST-005	1	MEETING STILE	6005-T5	-
12	2400ST-012	1	THRESHOLD FILLING TRACK	6063-T6	-
13	2400ST-011	-	SILL TRACK ANCHOR	6005-T5	-
14	2400ST-019	1	HEAD ADAPTER	6063-T6	-
15	2400ST-031	2	SILL TRACK PLATE (5-1/4" X 1/4" X 4" LONG	ALUMINUM	AT EACH END
15A	2400ST-031	3	SILL TRACK PLATE (5-1/4" X 1/4" X 8" LONG	ALUMINUM	AT INTERLOCK/ASTRAGAL STILES
16	2400ST-032	-	MTG. RAIL THRESHOLD SEAL	6063-T5	6" LONG
17	#10 X 1/2"	2	WEATHERSTRIP FASTENERS	-	-
18	V-027	-	BULB W'STRIPPING	VINYL	FP-712 PROTOTYPE
19	WV-2310	-	FLAP WEATHER SEAL	VINYL	WIBORG
20	V-026	-	BULB W'STRIPPING	VINYL	FP-198 PROTOTYPE
21	W31265NK	-	FIN PILE W'STRIPPING	-	ULTRAFAB
22	Q250X270	-	Q-LON W'STRIPPING	-	SCHLEGEL
23	-	-	-	-	-
24	V-022	AS REQD.	GLAZING GASKET (9/16" GLASS)	VINYL	-
25	-	-	-	-	-
26	100-7101	2/MOV. PANEL	TANDEM WHEEL ASSEMBLY	-	WORLD IND. PRODUCTS INTL.
27	10-0018XX	1	STANDARD SLIDE SET LOCK	-	WORLD IND. PRODUCTS INTL.
28	-	1	LOCK KEEPER	-	-
29	-	-	DOOR BUMPER	-	1" DIA. X 3/4" LONG
30	-	-	-	-	-
31	#10 X 1-1/2"	2/ PANEL	PANEL ASSBY. SCREWS	ST/ST	-
32	#10 X 1"	2/ CORNER	FRAME ASSBY. SCREWS	-	-
33	-	2	4-1/4" X .060" X 6" LONG PLATE	ALUMINUM	AT FRAME JAMB BOTTOM
34	-	-	5/8" X 1-1/2" X .1" PLATE @ LOCK STILE BOTTOM	ALUMINUM	FASTENED WITH #8 X 3/8" FH SMS

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16357

MAR 28 2002

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Expiration Date 02-07-07

By *[Signature]*
Miami Dade Product Control
Division

afc

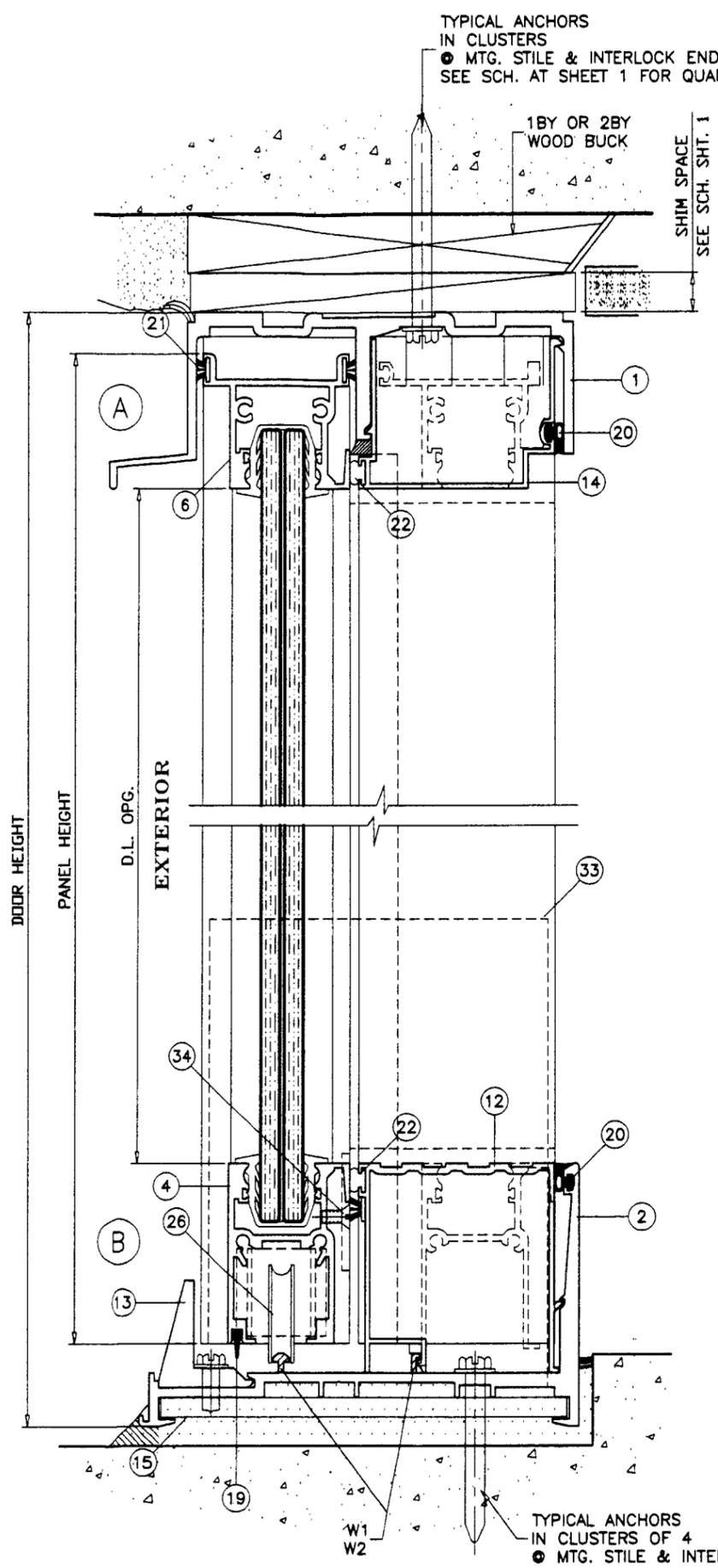
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
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MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W01-54RC

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

no	date	description

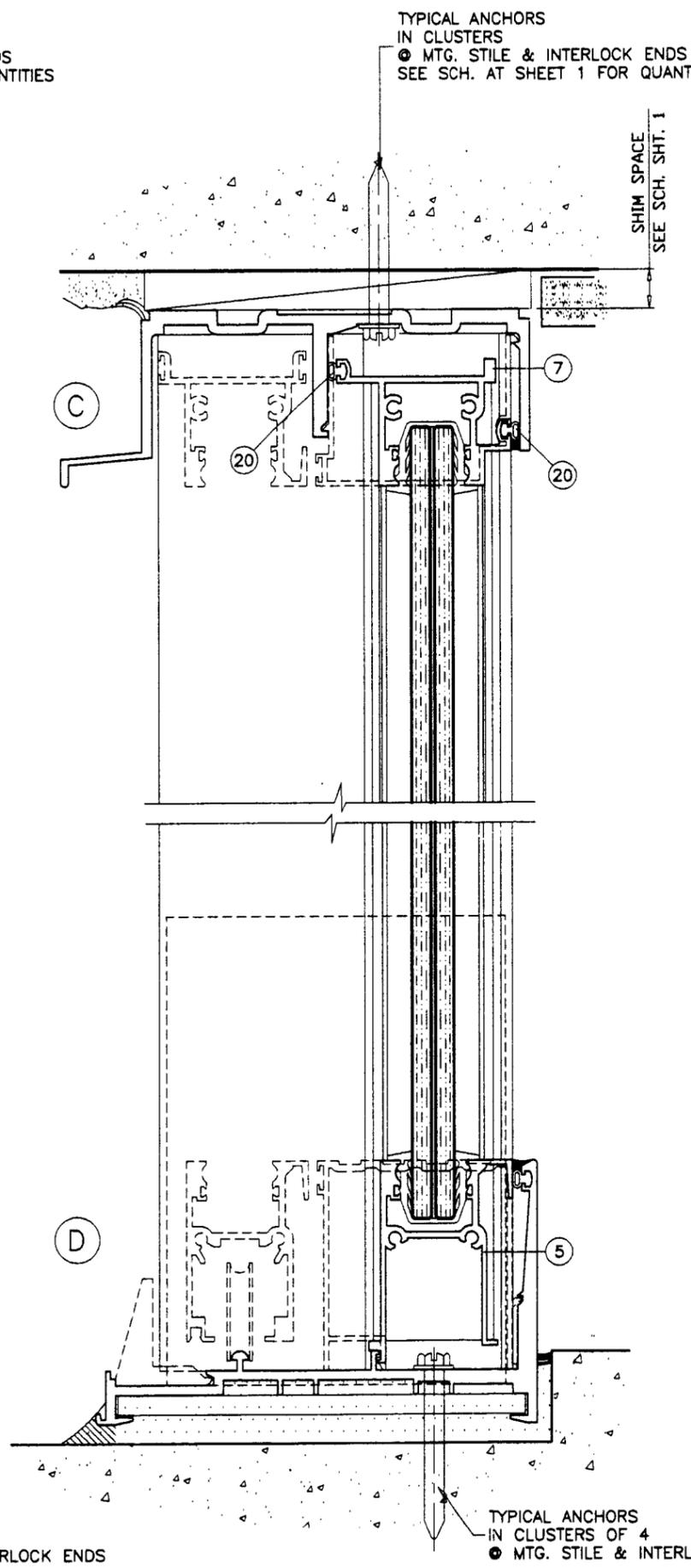
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dr. by: HAMID
chk. by:

drawing no.
W01-54
sheet 2 of 6



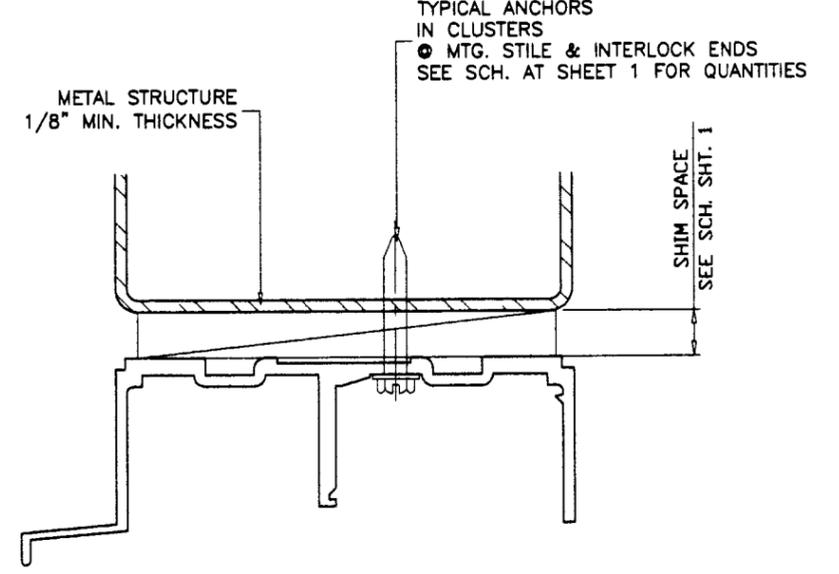
TYPICAL ANCHORS
IN CLUSTERS
● MTG. STILE & INTERLOCK ENDS
SEE SCH. AT SHEET 1 FOR QUANTITIES

1BY OR 2BY
WOOD BUCK
SHIM SPACE
SEE SCH. SHT. 1



TYPICAL ANCHORS
IN CLUSTERS
● MTG. STILE & INTERLOCK ENDS
SEE SCH. AT SHEET 1 FOR QUANTITIES

SHIM SPACE
SEE SCH. SHT. 1



TYPICAL ANCHORS
IN CLUSTERS
● MTG. STILE & INTERLOCK ENDS
SEE SCH. AT SHEET 1 FOR QUANTITIES

METAL STRUCTURE
1/8" MIN. THICKNESS

SHIM SPACE
SEE SCH. SHT. 1

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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. KWIK-CON II

THRU WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

1/4" TEKS OR SELF DRILLING SCREWS

INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICKNESS)

SEALANTS:

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

LOCKS:

SURFACE MOUNT THREE PLY HOOK LOCK BY 'WORLD INDUSTRIAL PRODUCTS'
AT 41-1/2" FROM BOTTOM WITH KEEPERS AT LOCK POSITION.

WEEPS:

W1 = 2-1/2" WEEP NOTCH AT SILL CENTER
W2 = 1" NOTCH AT EACH END

Engr: DR. HAJMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

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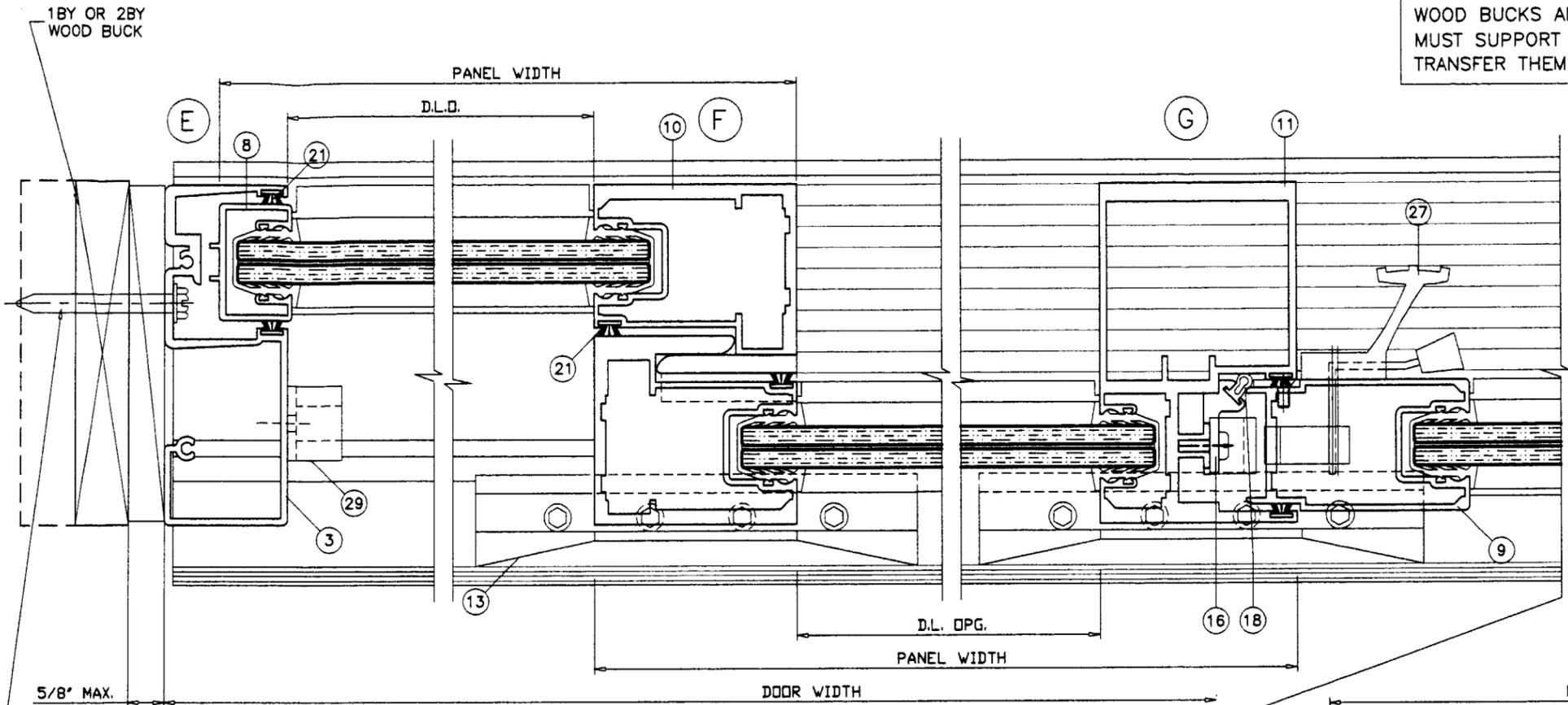
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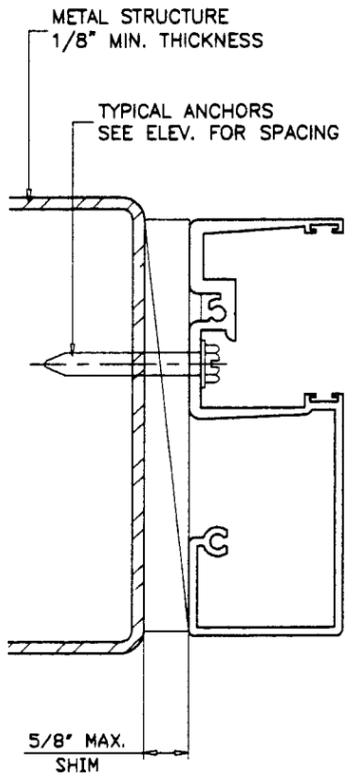
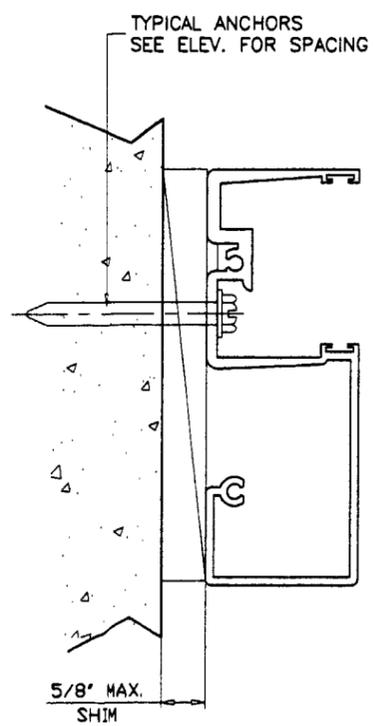
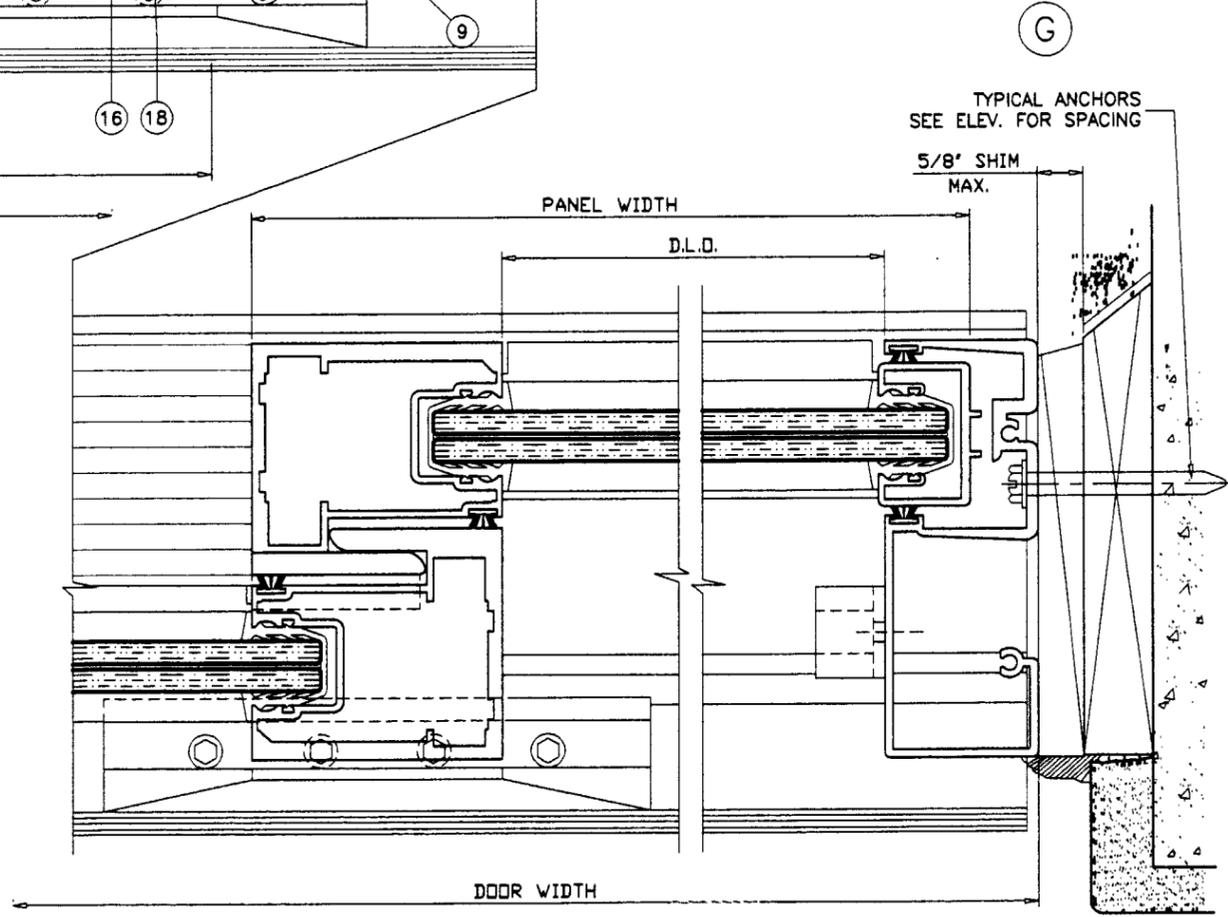
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chk. by:

drawing no.
W01-54
sheet 3 of 6

WOOD BUCKS AND METAL STRUCTURES NOT BY RC ALUMINUM
MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND
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EXTERIOR



Engr: DR. HUMAYOUN FAROOQ
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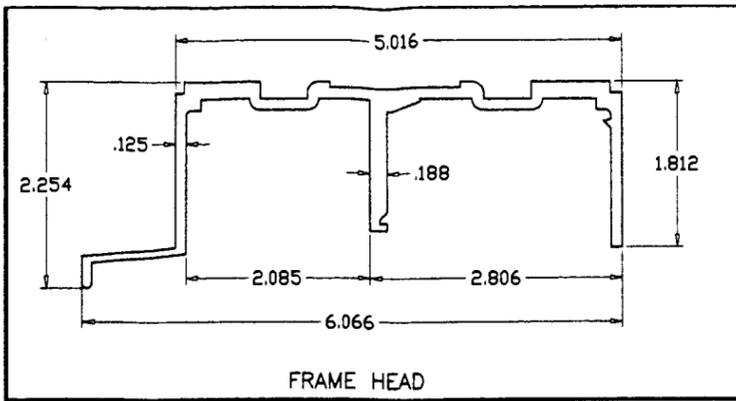
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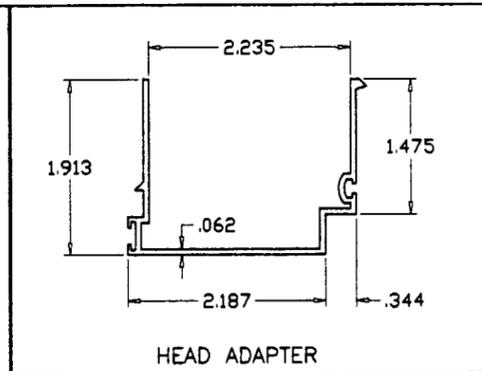
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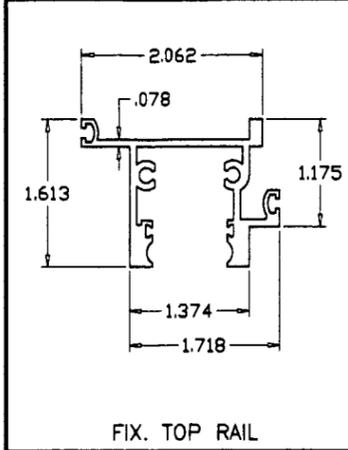
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sheet 4 of 6



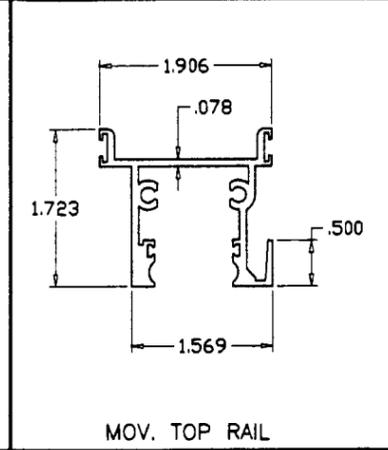
FRAME HEAD



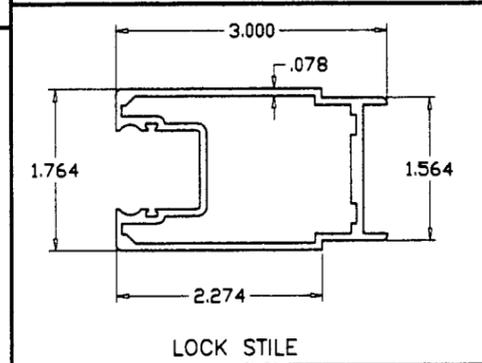
HEAD ADAPTER



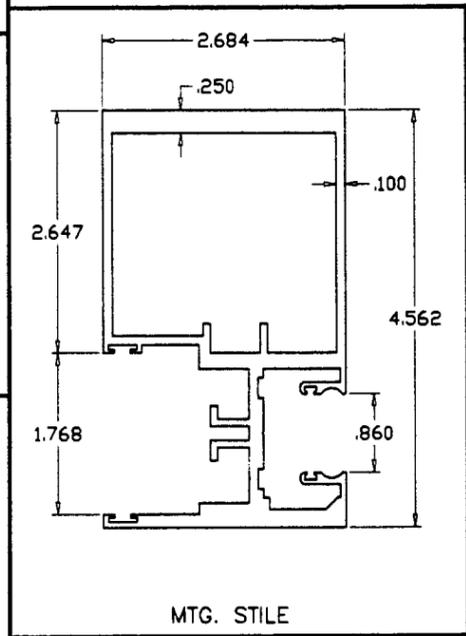
FIX. TOP RAIL



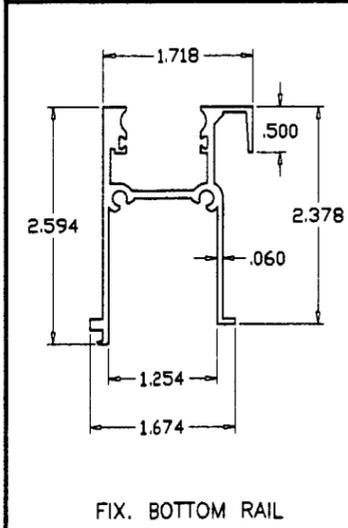
MOV. TOP RAIL



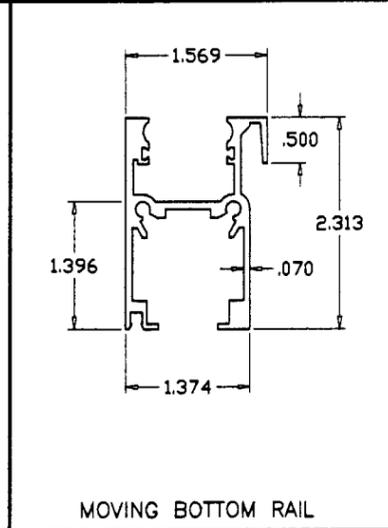
LOCK STILE



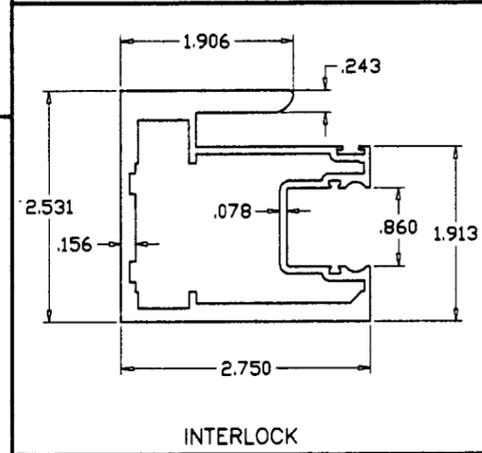
MTG. STILE



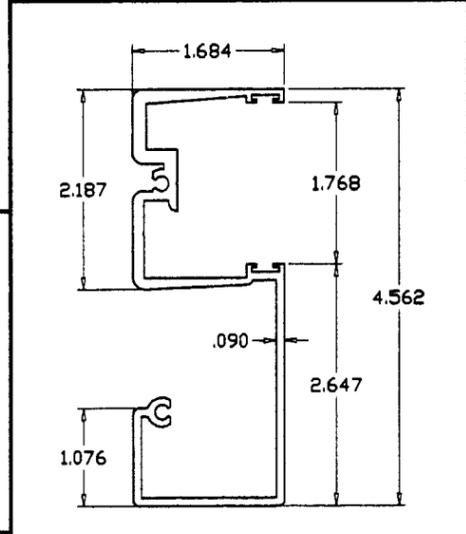
FIX. BOTTOM RAIL



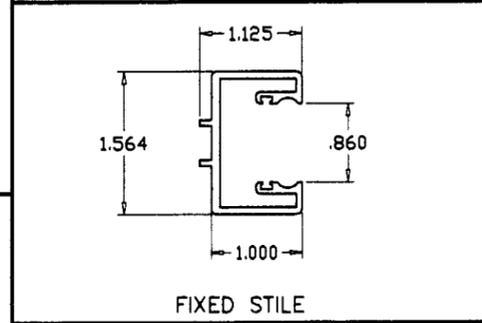
MOVING BOTTOM RAIL



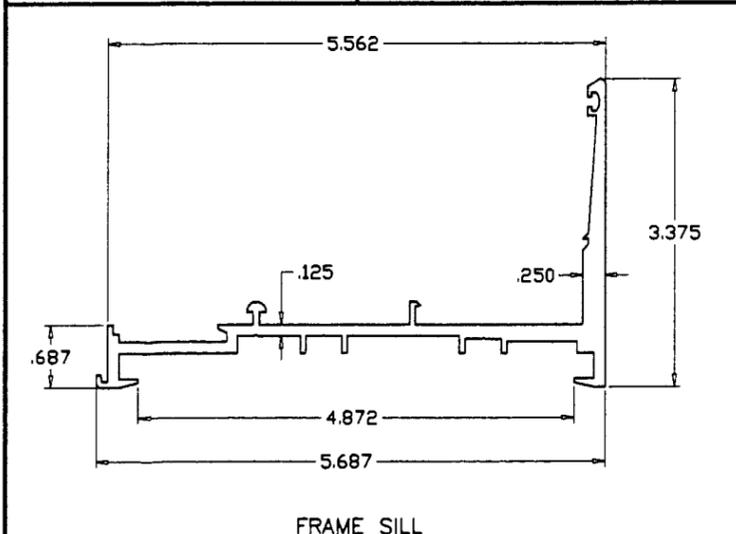
INTERLOCK



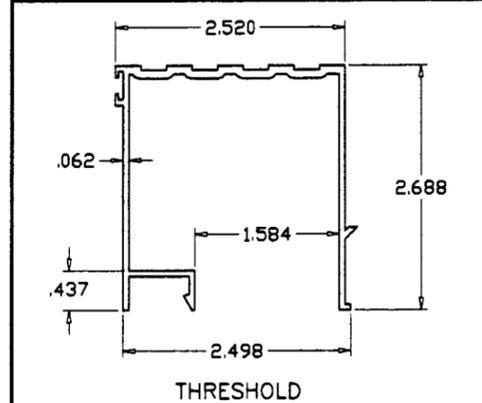
FRAME JAMB



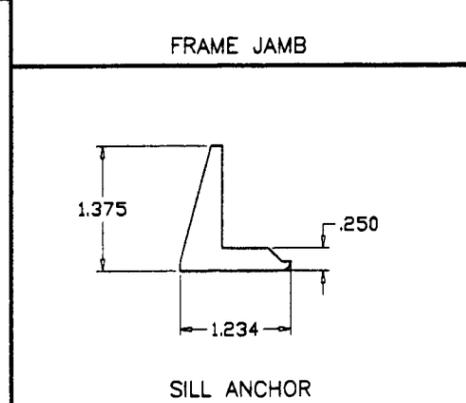
FIXED STILE



FRAME SILL



THRESHOLD



SILL ANCHOR

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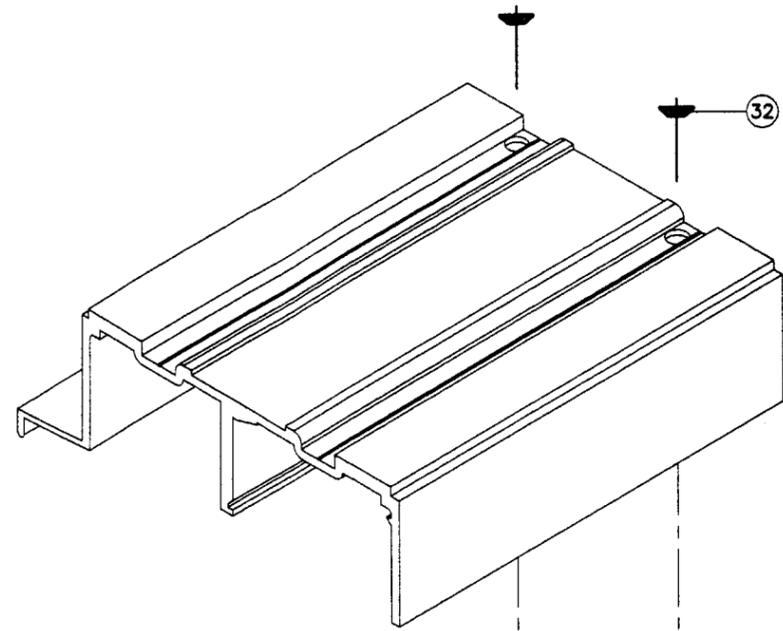
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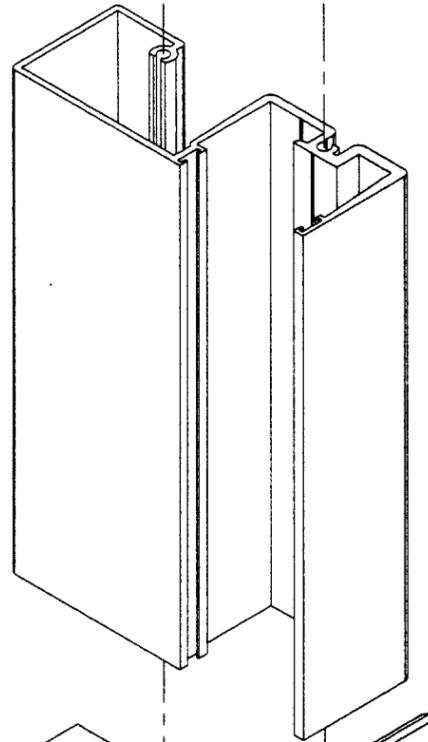
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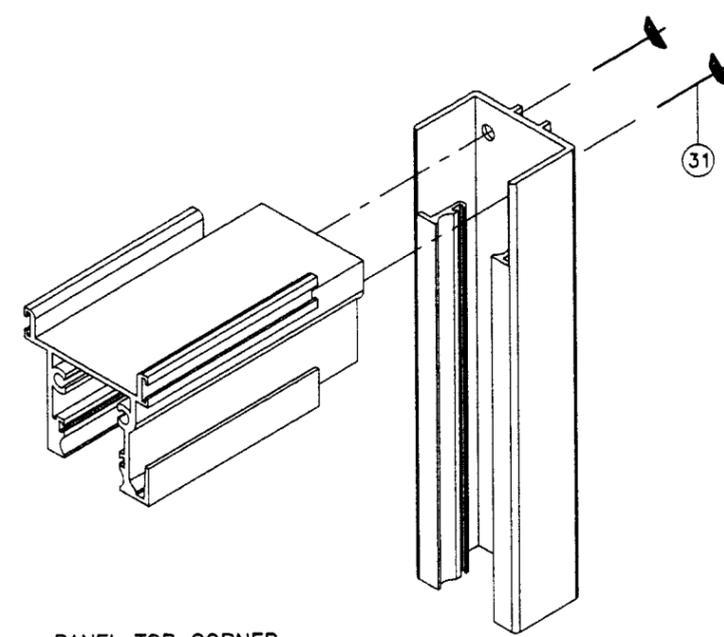
drawing no. **W01-54**
sheet 5 of 6



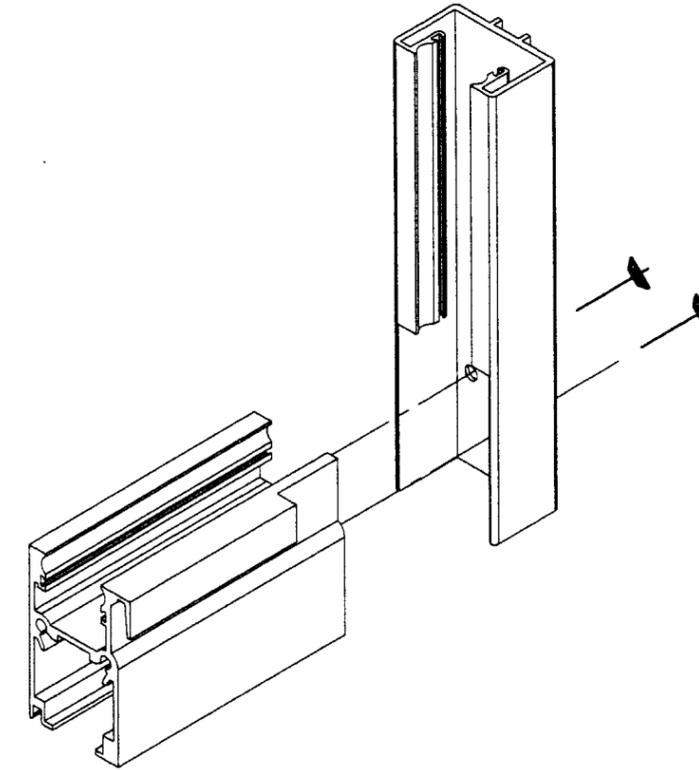
FRAME TOP CORNER



FRAME BOTTOM CORNER



PANEL TOP CORNER



PANEL BOTTOM CORNER

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

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