



**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 N.W. 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 "1400ST" Aluminum Sliding Glass Door

APPROVAL DOCUMENT: Drawing No. **W03-10**, titled "Series 1400ST Aluminum Sliding Glass Door (L.M.I.)", sheets 1 through 5 of 5, prepared by Al Farooq Corporation, dated 2/19/03 with revision on 7/9/03, 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: Large and 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 consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**

TMB
8/27/03



**NOA No 02-1216.02
Expiration Date: September 18, 2008
Approval Date: September 18, 2008**

R.C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W03-10**, titled "Series 1400ST Aluminum Sliding Glass Door (L.M.I.)", sheets 1 through 5 of 5, prepared by Al Farooq Corporation, dated 2/19/03 with revision on 7/9/03, 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) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Small Missile Impact Test per FBC, TAS 201-94
 - 6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 7) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-01109 dated 4/25/02, signed and sealed by Joseph Chan, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by Al Farooq Corporation, dated 4/3/03, signed and sealed by Humayoun Farooq, P.E.

D. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **01-0205.02** issued to Solutia, Inc. for "Saflex/Keepsafe Maximum" dated 5/17/01, expiring on 5/21/06.
2. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours, for "Sentry Glass ® Plus" dated 1/17/02, expiring on 1/14/07.

E. STATEMENTS

1. Statement letter of conformance, dated 2/17/03, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated 2/17/03, signed and sealed by Humayoun Farooq, P.E.

F. OTHER

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).

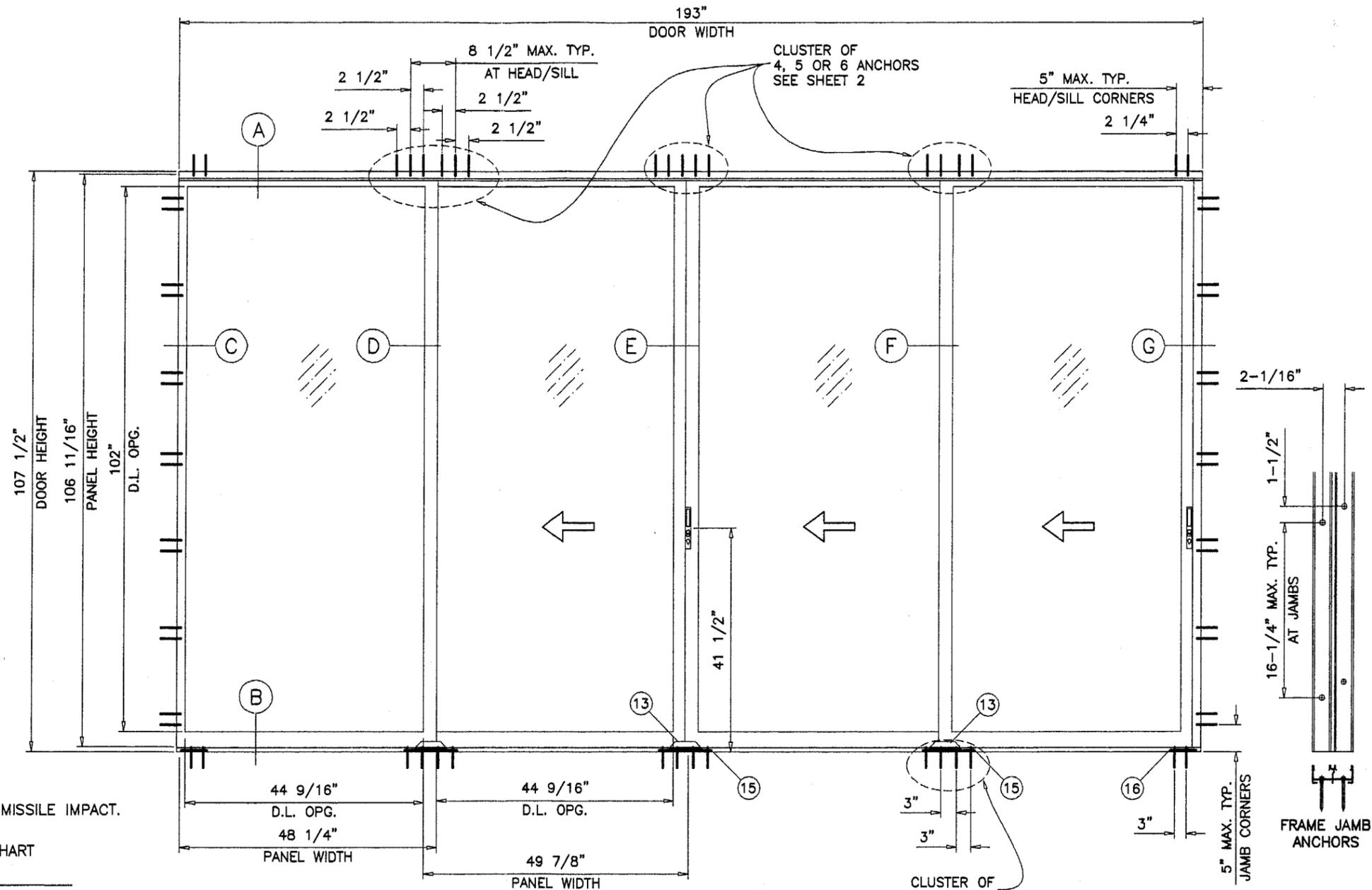


Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 02-1216.02
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LARGE MISSILE IMPACT RESISTANT DOORS
SHUTTERS NOT REQUIRED

PANEL WIDTH NOMINAL FT./IN.	DOOR HEIGHT FT./IN.	DESIGN LOAD CAPACITY - PSF	
		EXT. (+)	INT. (-)
2/0	8/0	100.0	100.0
2/6		100.0	100.0
3/0		100.0	100.0
3/6		100.0	100.0
4/0		100.0	100.0
4/6		100.0	100.0
2/0	8/6	100.0	100.0
2/6		100.0	100.0
3/0		100.0	100.0
3/6		100.0	100.0
4/0		100.0	100.0
4/6		100.0	100.0
2/0	9/0	100.0	100.0
2/6		100.0	100.0
3/0		100.0	100.0
3/6		100.0	100.0
4/0		99.0	99.0

NOMINAL PANEL WIDTH = $\frac{\text{DOOR WIDTH}}{\text{NO. OF PANELS}}$



TYPICAL ELEVATION
TESTED UNIT

SERIES-1400ST ALUM SLIDING GLASS DOOR

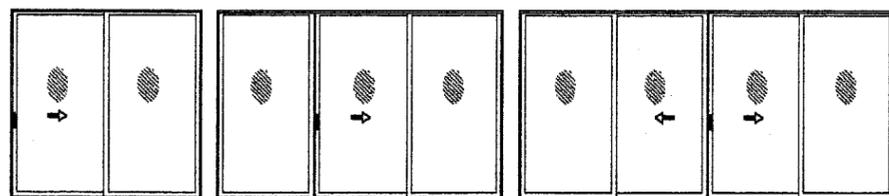
DOORS GLAZED WITH LAMINATED GLASS RATED FOR LARGE MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.
DESIGN LOAD RATING FOR THESE DOORS TO BE AS PER CHART SHOWN ABOVE.

THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2001 FLORIDA BUILDING CODE.
ALSO FOR WIND LOADS AS PER ASCE 7-88, ASCE 7-93, ASCE 7-95 OR ASCE 7-98 AS REQUIRED BY PREVAILING BUILDING CODE.

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

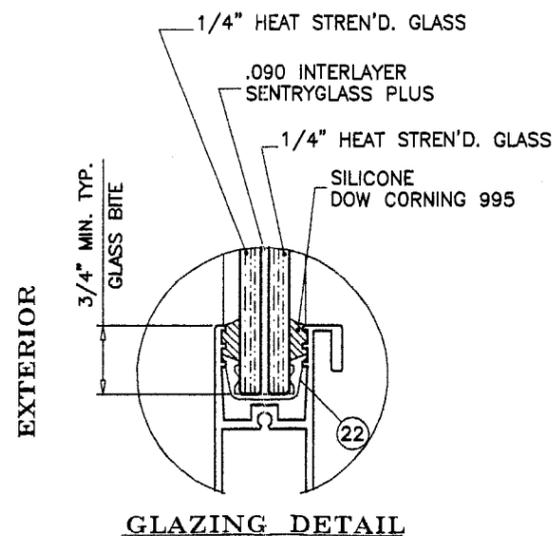
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS.
ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.



APPROVED CONFIGURATIONS

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



GLAZING DETAIL

Approved as complying with the
Florida Building Code
Date: 04/18/03
NOA# 02-1216-02
Miami Dade Product Control
Division
By: *Alwan Kaman*

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 18557
C.A.N. 3538

JUL 18 2003

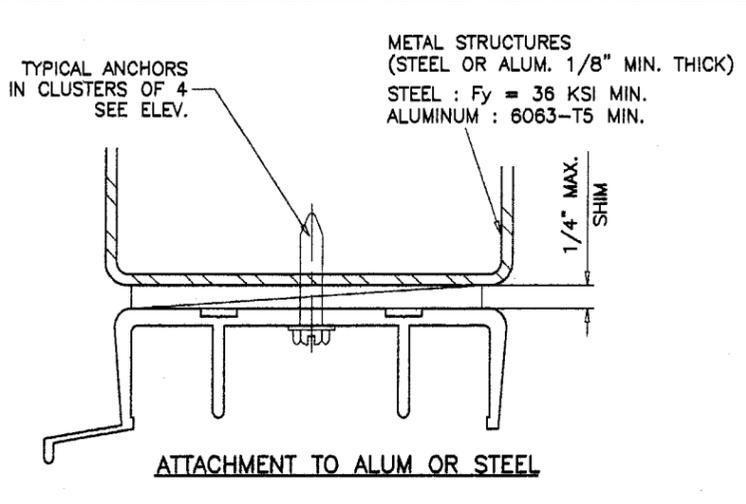
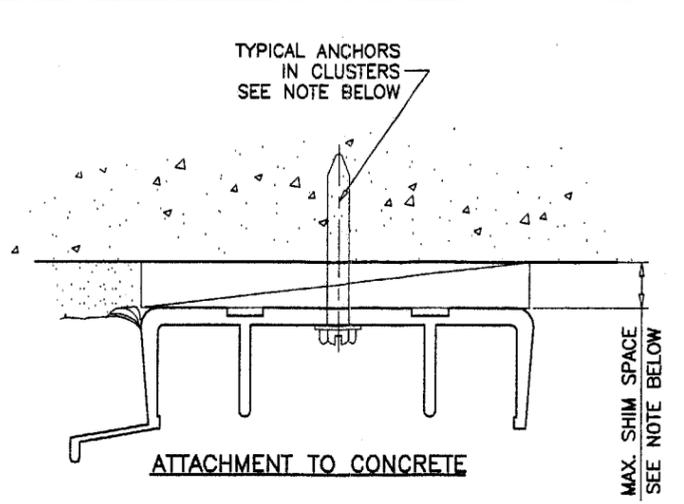
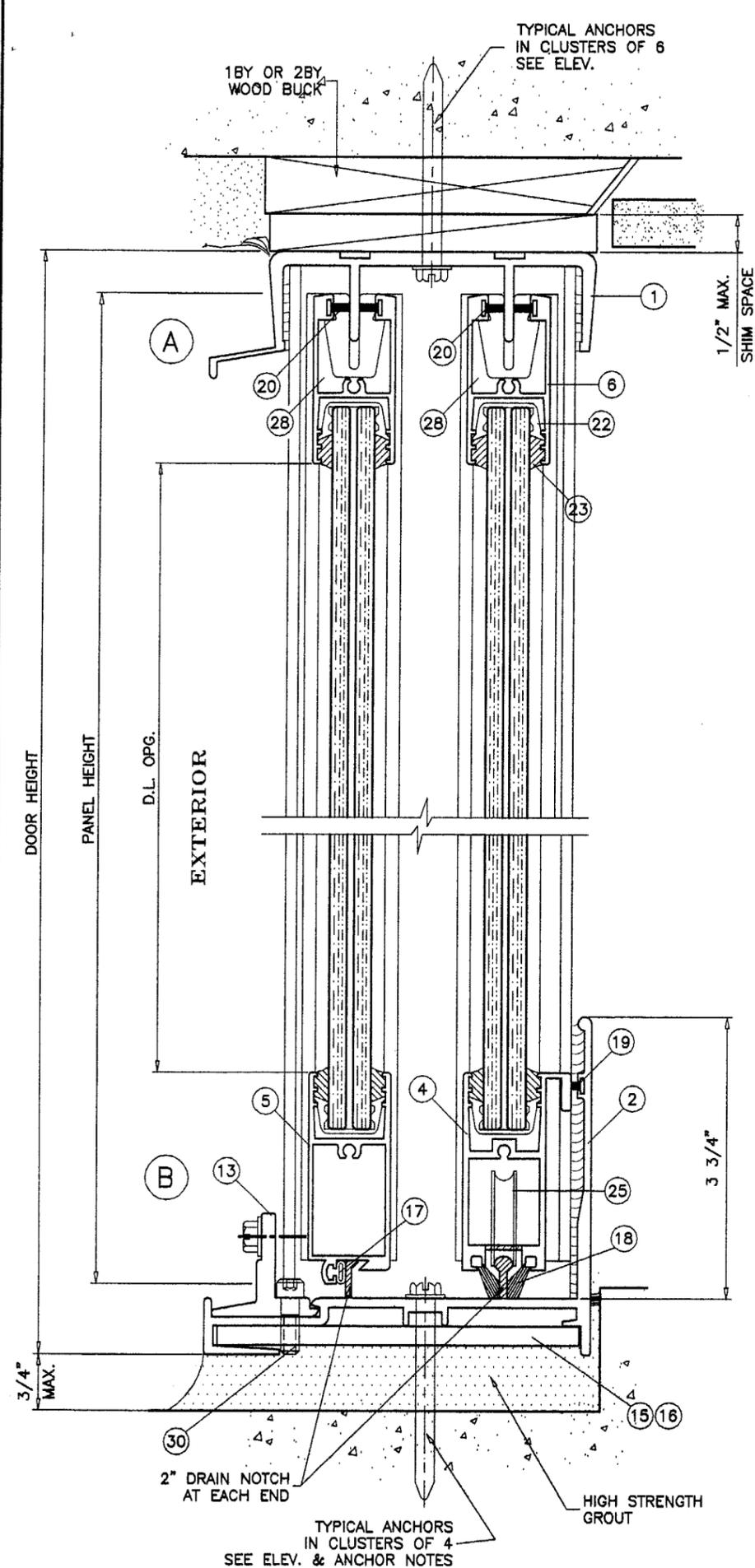
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANI\W03-10RC

SERIES-1400ST ALUM SLIDING GLASS DOOR (L.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

no	date	description
A	07.09.03	9/6 & 10/0 SIZES REMOVED
B	07.17.03	SHEET 4, PART #8 ALLOY REV.

date: 02-19-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-10
sheet 1 of 5



MAX. SHIM SPACE
 1/4" SHIM SPACE - CLUSTER OF 4
 3/8" SHIM SPACE - CLUSTER OF 5
 1/2" SHIM SPACE - CLUSTER OF 6

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
1/4" DIA. HILTI KWIK-CON II
 THRU 2BY WOOD BUCKS INTO MASONRY OR CONC.
 2" MIN. COMBINED EMBEDMENT (WOOD + MASONRY)
 THRU 1BY WOOD BUCKS INTO MASONRY OR CONC.
 1-1/4" MIN. EMBED INTO MASONRY OR CONC.
 DIRECTLY INTO MASONRY OR CONCRETE
 1-1/4" MIN. EMBED INTO CONCRETE

#14 SMS
 INTO METAL STRUCTURES (1/8" MIN. THICKNESS)
#12 SMS
 INTO APPROVED MULLIONS (NO SHIM SPACE)

SEALANTS:
 ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH SILICONE.

Approved as complying with the
 Florida Building Code
 Date 09/18/03
 NOA# 02-1216.02
 Miami Code Product Control
 Division
 By *Muhammad Heman*

Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE # 18557
 P.E. # 3538
 JUL 18 2003

afc

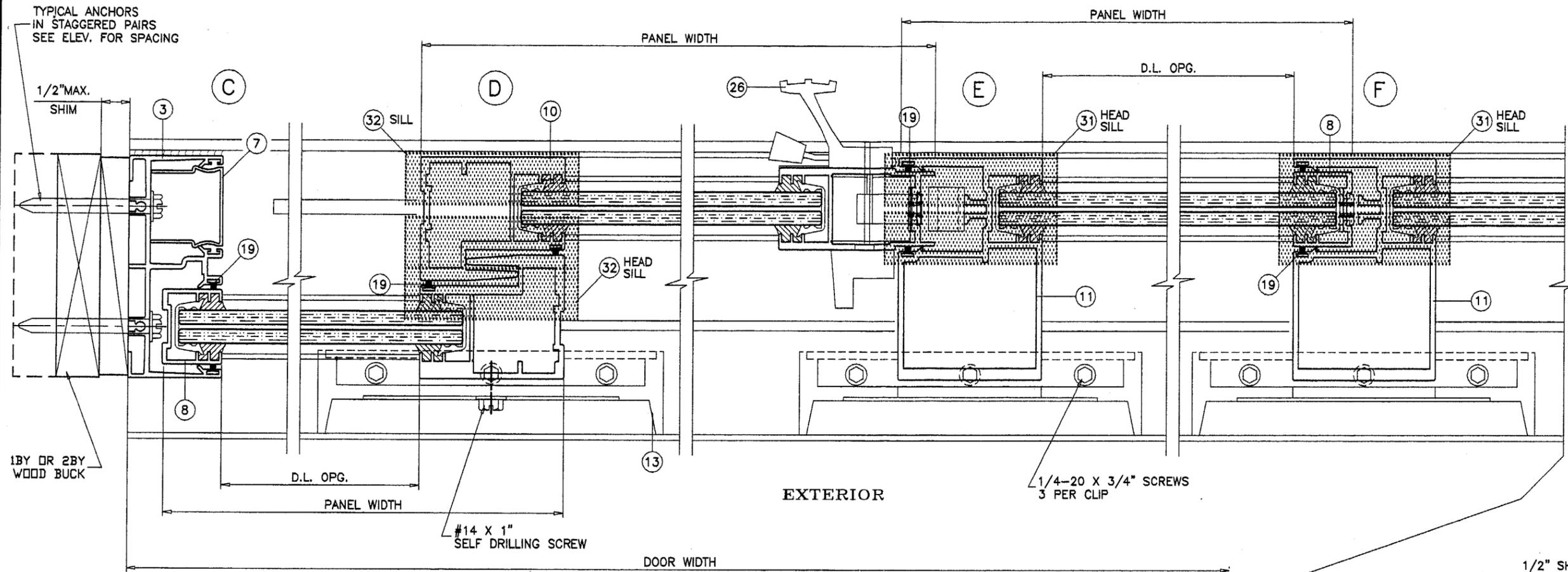
AL-FAROOQ CORPORATION
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 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL/W03-10RC

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 MIAMI, FL. 33122
 TEL. (305) 592-1515 FAX. (305) 592-2184

no.	date	description

date: 02-19-03
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W03-10
 sheet 2 of 5



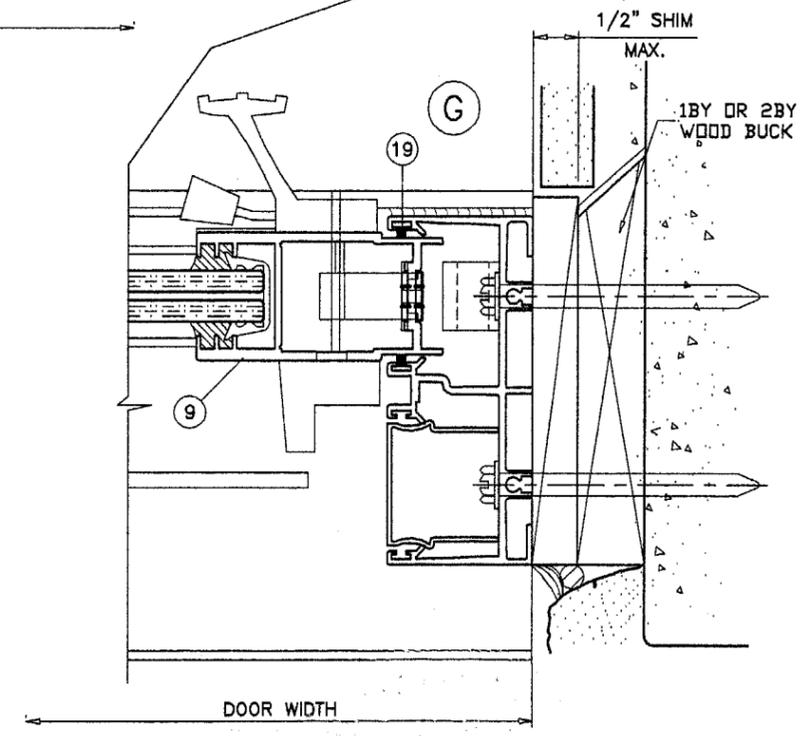
1BY OR 2BY WOOD BUCK

1/4-20 X 3/4" SCREWS
3 PER CLIP

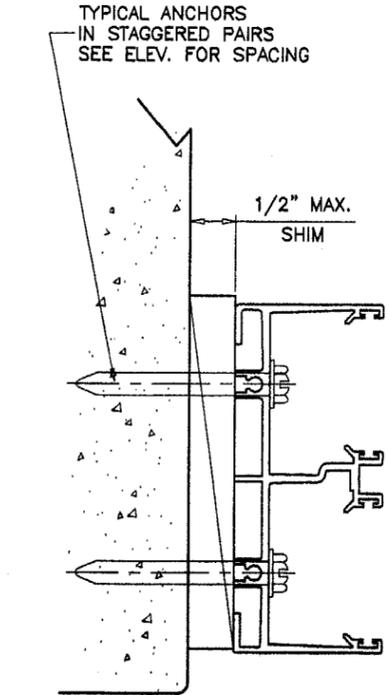
EXTERIOR

DOOR WIDTH

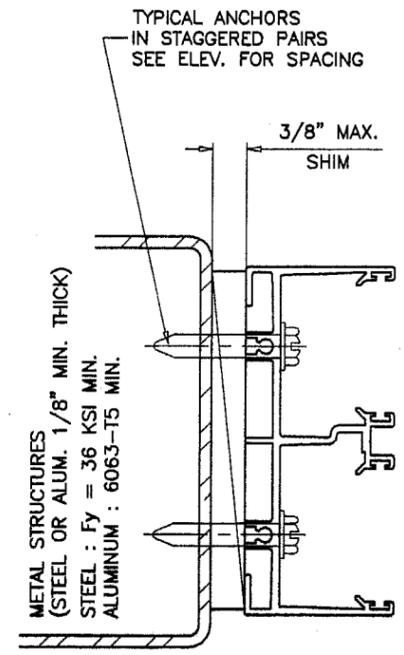
SEE SHEET 2 FOR ANCHOR DESCRIPTION



DOOR WIDTH



ATTACHMENT TO CONCRETE OR CONC. BLOCK



ATTACHMENT TO METAL STRUCTURES STEEL OR ALUMINUM

METAL STRUCTURES
(STEEL OR ALUM. 1/8" MIN. THICK)
STEEL : Fy = 36 KSI MIN.
ALUMINUM : 6063-T5 MIN.

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Florida Building Code
Date 09/18/03
NOA# 02-1216.02
Miami Code Product Control
Division
By *[Signature]*

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
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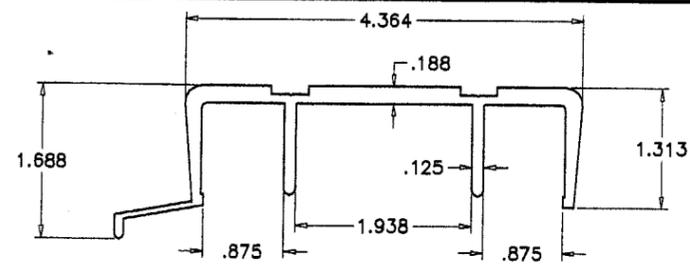
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date: 02-19-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

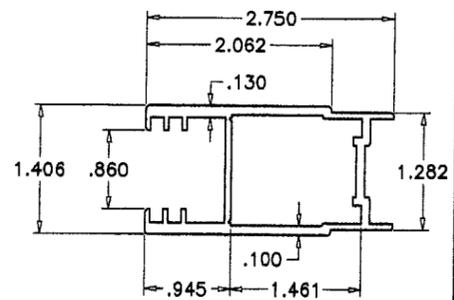
drawing no.
W03-10
sheet 3 of 5

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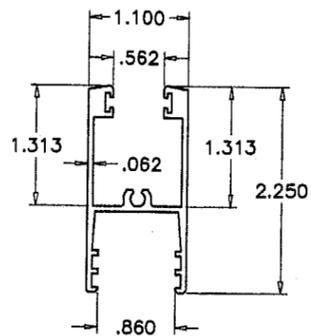
COMP-ANL W03-10RC



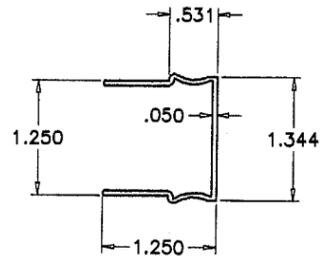
FRAME HEAD



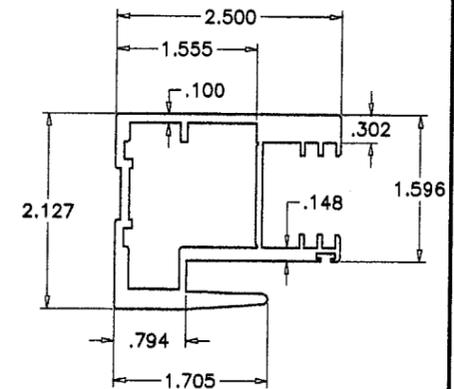
LOCK STILE



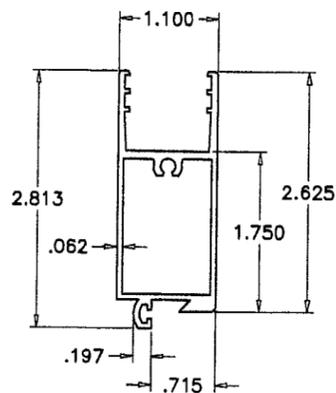
TOP RAIL



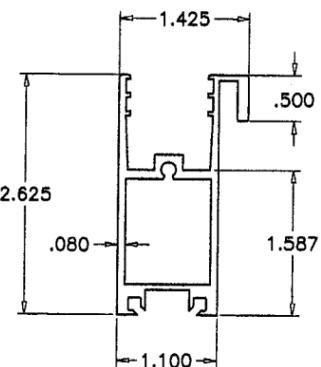
JAMB COVER



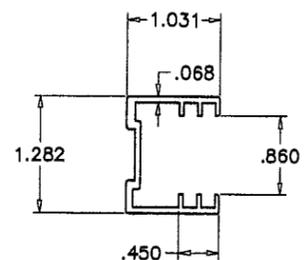
INTERLOCK STILE



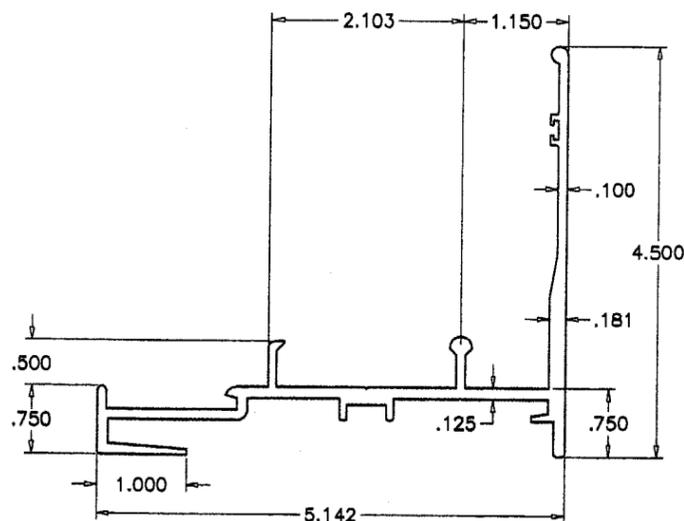
FIX. BOTTOM RAIL



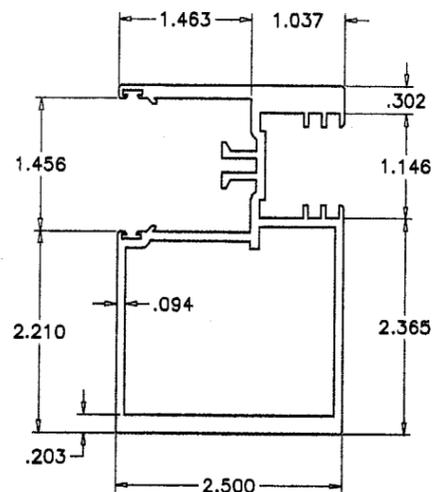
MOVING BOTTOM RAIL



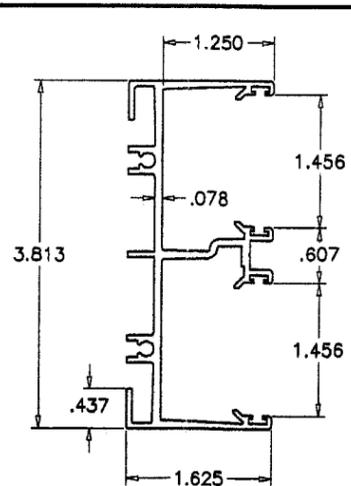
FIXED STILE



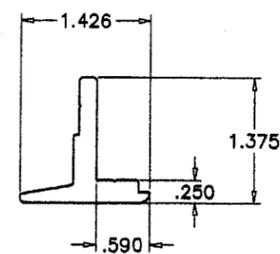
FRAME SILL



MTG. STILE



FRAME JAMB



SILL TRACK ANCHOR

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	1400ST-118	1	FRAME HEAD	6005-T5	-
2	1400ST-119	1	FRAME SILL	6005-T5	-
3	1400ST-101	2	FRAME JAMB	6063-T6	-
4	1400ST-121	1/MOV. PANEL	MOVING HORIZ. BOTT. RAIL	6063-T6	-
5	1400ST-122	1/FIX. PANEL	FIXED HORIZ. BOTT. RAIL	6063-T6	-
6	1400ST-120	1/PANEL	TOP RAIL	6063-T6	-
7	1400ST-106	OPTIONAL	JAMB COVER TRIM	-	-
8	1400ST-105	1/FIX. PANEL	JAMB FIXED STILE	6063-T6	-
9	1400ST-103	1	LOCK STILE	6005-T5	-
10	1400ST-123	1/ PANEL	INTERLOCK	6005-T5	-
11	1400ST-104	1	MEETING STILE	6005-T5	-
12	-	-	-	-	-
13	1400ST-112	-	SILL TRACK ANCHOR	6005-T5	6" LONG
14	-	-	-	-	-
15	-	AS REQD.	SILL TRACK PLATE (4-3/16" X 1/4" X 10" LONG	ALUMINUM	AT INTERLOCK/ASTRAGAL STILES
16	-	AS REQD.	SILL TRACK PLATE (4-3/16" X 1/4" X 5" LONG	ALUMINUM	AT EACH END
17	V-026	-	BULB W'STRIPPING	VINYL	FP-198 PROTOTYPE
18	5904	-	SKIRT PILE W'STRIPPING	-	ULTRAFAB
19	W33211NK	-	FIN PILE W'STRIPPING	-	ULTRAFAB
20	W33371NK	-	FIN PILE W'STRIPPING	-	ULTRAFAB
21	-	-	-	-	-
22	V-017	AS REQD.	GLAZING GASKET (9/16" IMPACT GLASS)	VINYL	WV-1431 WIBORG
23	995	AS REQD.	GLAZING COMPOUND	SILICONE	DOW CORNING
24	-	-	-	-	-
25	100-7101	2/MOV. PANEL	TANDEM WHEEL ASSEMBLY	-	WORLD IND. PRODUCTS INTL.
26	10-0018XX	1	STANDARD SLIDE SET LOCK	-	WORLD IND. PRODUCTS INTL.
27	V-029	OPTIONAL	DOOR BUMPER (NOT SHOWN)	-	1" DIA. X 3/4" LONG
28	P-011	-	PANEL GUIDE	-	M&M PLASTICS
29	#10 X 1"	AS REQD.	FRAME & PANEL ASSBY. SCREWS	ST/ST	PH SMS
30	1/4-20X3/4"	3/ CLIP	SILL TRACK ANCHOR SCREWS	ST/ST	-
31	PAD-01	-	7/8" X 3" X 5/8" PILE PAD (P6303AFG)	-	AT TOP & BOTT. OF MTG. STILES
32	PAD-02	-	7/8" X 3" X 5/8" PILE PAD (P6309AFG)	-	AT TOP & BOTT. OF INTERLOCK)

Approved as complying with the
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Date 09/18/03
NOA# 02-1216-02
Miami Dade Product Control
Division
By Aladdin Beaman

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538
JUL 18 2003

AL-FAROOQ CORPORATION
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MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

SERIES-1400ST ALUM SLIDING GLASS DOOR (L.M.I.)

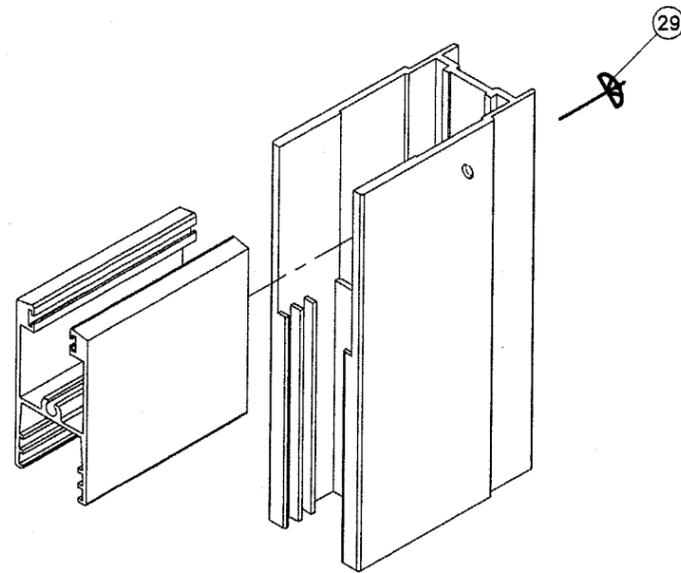
COMP-ANL\W03-10RC

no.	date	by	description
B	07.17.03		PART #8 ALLOY REV.

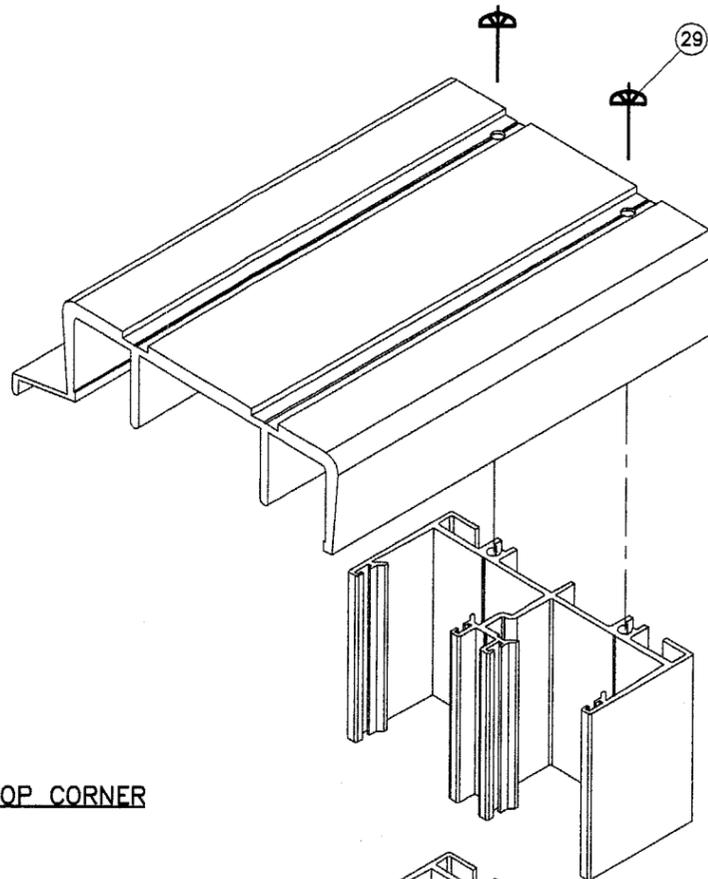
date: 02-19-03
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drawing no.
W03-10

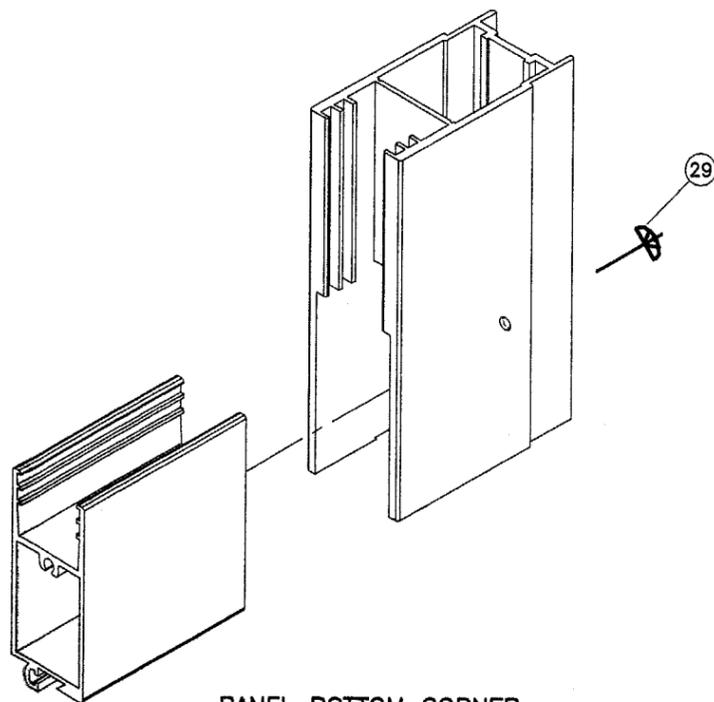
sheet 4 of 5



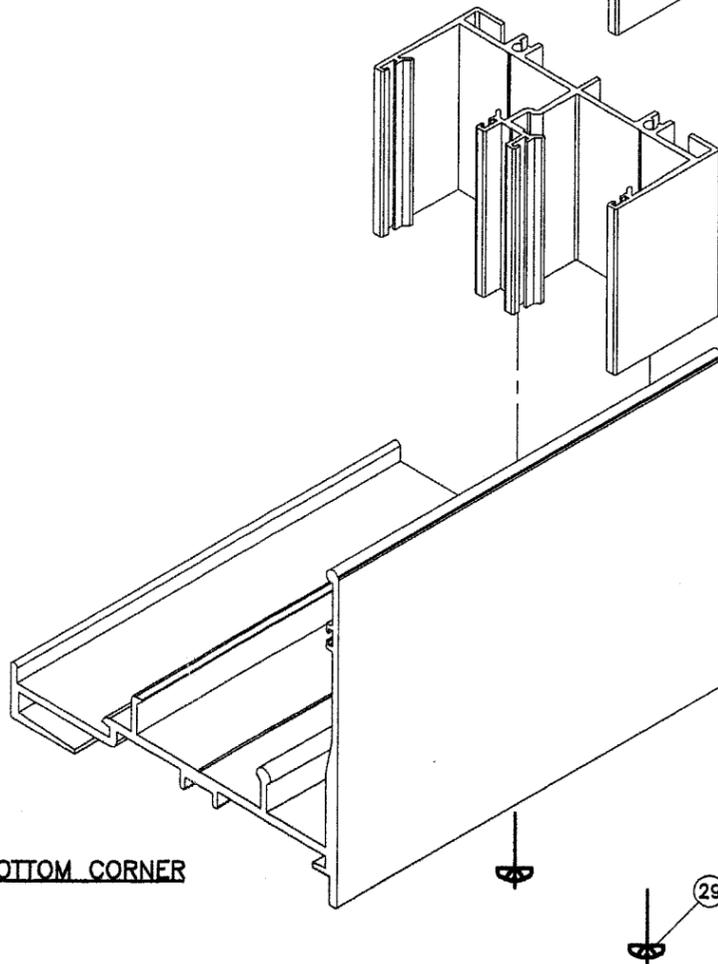
PANEL TOP CORNER



FRAME TOP CORNER



PANEL BOTTOM CORNER



FRAME BOTTOM CORNER

Approved as complying with the
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 Date 09/18/03
 NOA# 02-1216.02
 Miami Trade Product Control
 Division
 By: *Edward Keenan*

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

JUL 18 2003

afsc

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no.	date	by	description

date: 02-19-03
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drawing no.
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sheet 5 of 5

COMP-ANL\W03-10RC