



**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)

**Atrium Florida, Inc.
9001 Ambassador Row
Dallas, Texas 75247**

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 "M2-XHP Aluminum Sliding Glass Door

APPROVAL DOCUMENT: Drawing No. **W99-14**, titled "Mark-2 XHP ALUM. SLD. GLASS DOOR (N.I.)", sheets 1 through 6 of 6 prepared by the Al Farooq Corporation, dated 3/3/99 with last revision on 04/09/08, signed and sealed by Dr. Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None (Installation will require HVZ Hurricane Protection system)

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 **renews NOA # 03-0408.10** and, consists of this page 1, Evidence page E1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Mohammed Iqbal Shaikh, P.E.**



*MX
04/26/08*

**NOA No. 08-0417.04
Expiration Date: May 12, 2009
Approval Date: May 22, 2008
Page 1**

Atrium Florida, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections. (*Submitted under NOA#99-1116.09*)
2. Drawing No. **W99-14**, titled Mark-2 XHP ALUM. SLD. GLASS DOOR (N.I.), sheets 1 through 6 of 6, prepared by the Al Farooq Corporation, dated 3/3/99 with last revision on 04/09/08, signed and sealed by Dr. Humayoun Farooq, P.E.

B. TESTS (*Submitted under NOA#99-1116.09*)

1. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 20294
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94along with manufacturer's parts and section drawing marked-up by Fenestration Testing Laboratory, Inc., Test Report No. 11 (**FTL -2348**), dated 06-25-1999, witnessed by late Gilbert Diamond, P.E., reviewed, signed and sealed by Jose D. Mitrani, P.E.
2. Test Report No. report No. 38 (**FTL -2080**), dated 06-30-1998, issued by Fenestration Testing Lab, signed and sealed by late Gilbert Diamond, P.E.

C. CALCULATIONS

1. Anchor Calculations and Structural Analysis, prepared by Al-Farooq Corporation, dated 04-10-08, signed and sealed by Dr. Humayoun Farooq, P. E.

D. MATERIAL CERTIFICATIONS

1. None

E. QUALITY ASSURANCE

1. Miami Dade County Building Code Compliance Office

F. STATEMENTS

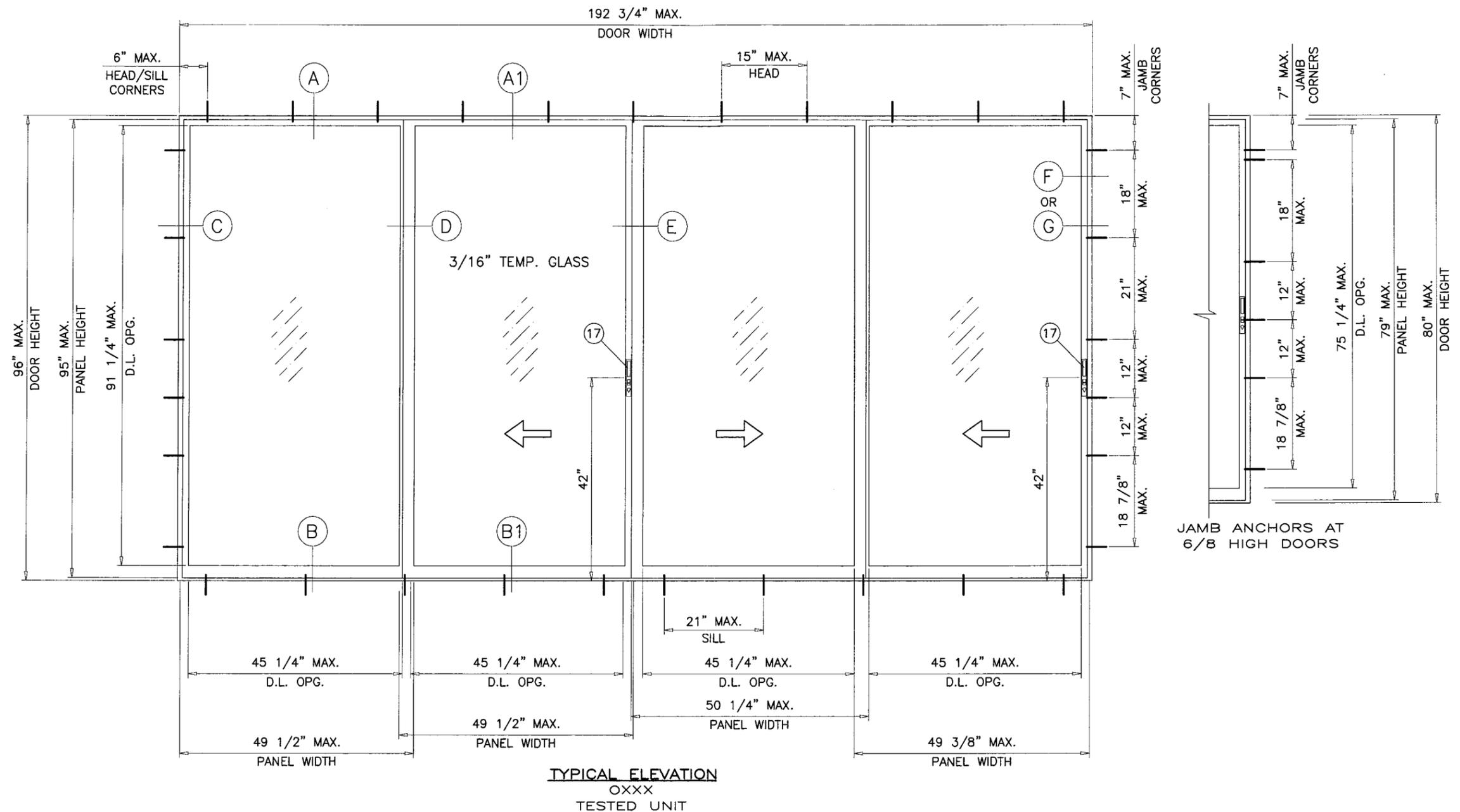
1. Statement letter of compliance to 2004 Florida Building Code, dated April 08, 2008, signed and sealed by Dr. Humayoun Farooq, P. E.
2. Statement letter of no financial interest, dated April 08, 2008, signed by Dr. Humayoun Farooq, P. E.

G. OTHER

1. NOA No. **03-0408.10**



Mohammed Iqbal Shaikh, P.E.
Sr. Building Code Compliance Specialist
NOA No. 08-0417.04
Expiration Date: May 12, 2009
Approval Date: May 22, 2008



TYPICAL ELEVATION
OXXX
TESTED UNIT

MARK-2 XHP ALUMINUM 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 2004/2007 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 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.

DOORS NOT RATED FOR IMPACT.

INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH HVHZ REQUIREMENTS.

INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA MUST MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

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

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 08-0417.04
Expiration Date 05/22/09
By *M. H. H.*
Miami Dade Product Control
Division

H
APR 10 2008

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/W99-14KL

MARK-2 XHP ALUM. SLID. GLASS DOOR (N.I.)
ATRIUM FLORIDA, INC.
3600 PORT JACKSONVILLE PARKWAY
JACKSONVILLE, FL. 32226
TEL. (904) 355-1476 FAX. (904) 353-0689

no	date	by	description
A	10.07.99	H	GENERAL REVISION
B	05.15.00	H	CONFIG. ELEV. REV.
C	04.09.08		UPDATED FOR 2004/2007 FBC

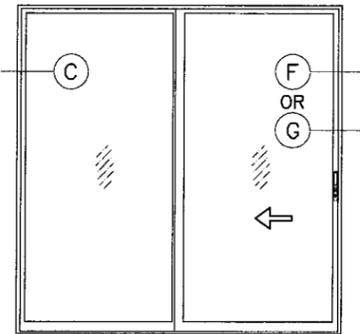
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dr. by: HAMID
chk. by:

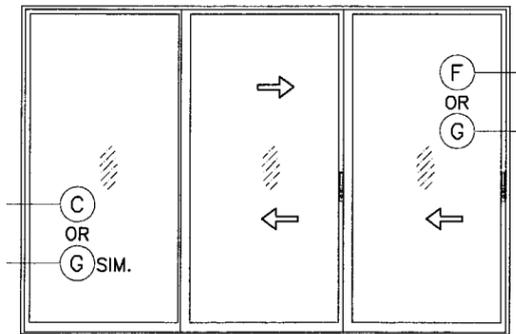
drawing no.
W99-14
sheet 1 of 6

DESIGN LOAD CAPACITY - PSF (3/16" TEMP. GLASS)					
PANEL WIDTH NOMINAL FT./IN.	DOOR HEIGHT FT./IN.	2-1/2" SILL		3" SILL	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
2/6	6/8	65.0	115.5	80.0	115.5
3/0		65.0	100.9	80.0	100.9
3/6		65.0	90.9	80.0	90.9
4/0		65.0	83.8	80.0	83.8
2/6	8/0	65.0	92.7	80.0	92.7
3/0		65.0	80.2	80.0	80.2
3/6		65.0	71.5	71.5	71.5
4/0		65.0	65.2	65.2	65.2

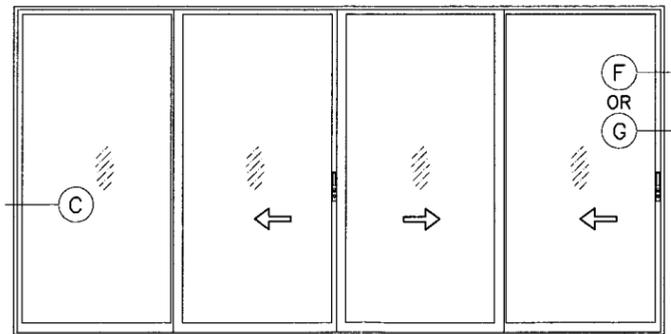
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-02/04 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219



OX (SHOWN)
XO (OPPOSITE)
XX (*)
* FOR XX USE SECTIONS
'F' OR 'G' AT BOTH JAMBS

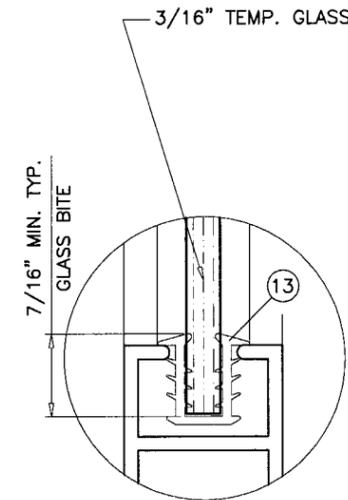


OXX (SHOWN)
OXO (*)
* FOR OXO USE SECTION
'C' AT BOTH JAMBS



OXXX (SHOWN)
OXXO (*)
* FOR OXXO USE SECTION
'C' AT BOTH JAMBS

APPROVED CONFIGURATIONS



GLAZING DETAIL
SCALE 1 : 1

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

APR 10 2008

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 08-0417-04
Expiration Date 05/12/09
By: *M. Hamid*
Miami Dade Product Control
Division

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\W99-14KL

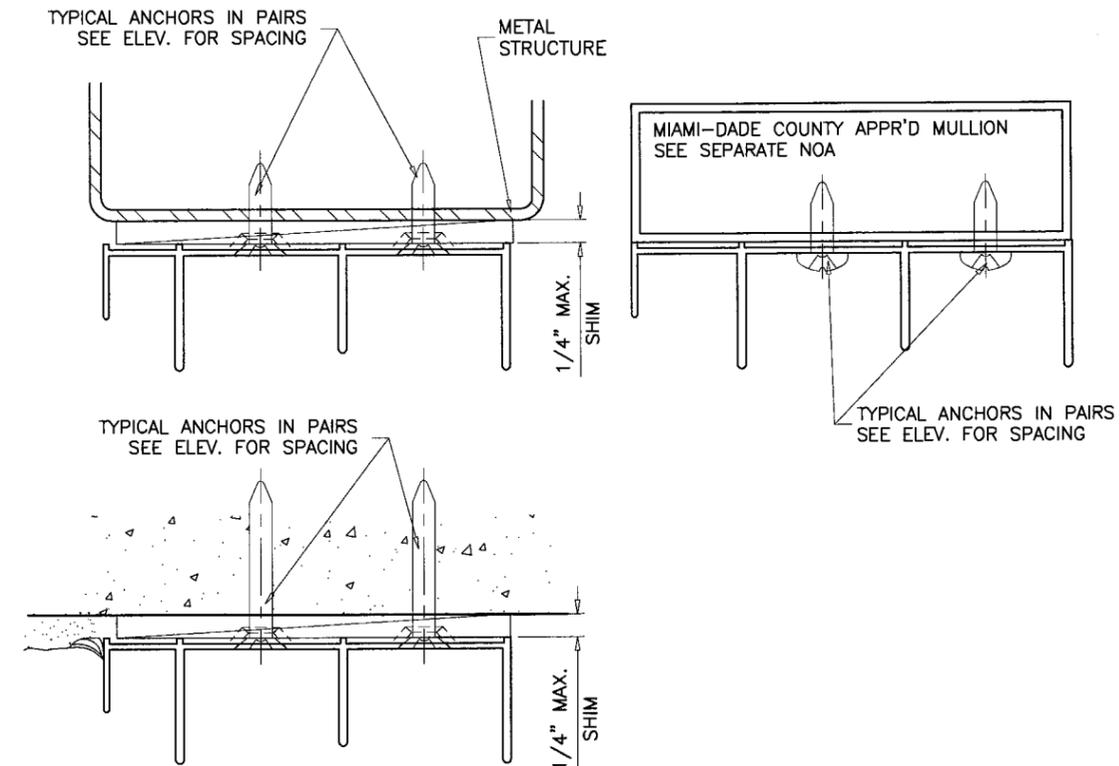
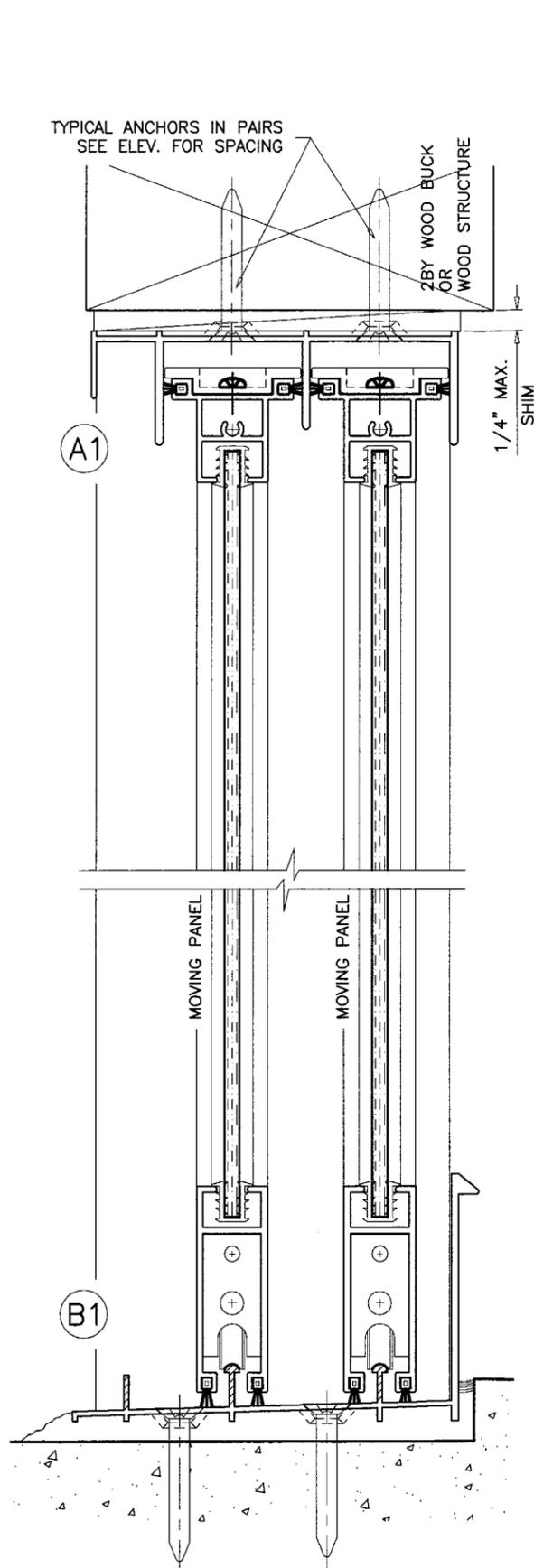
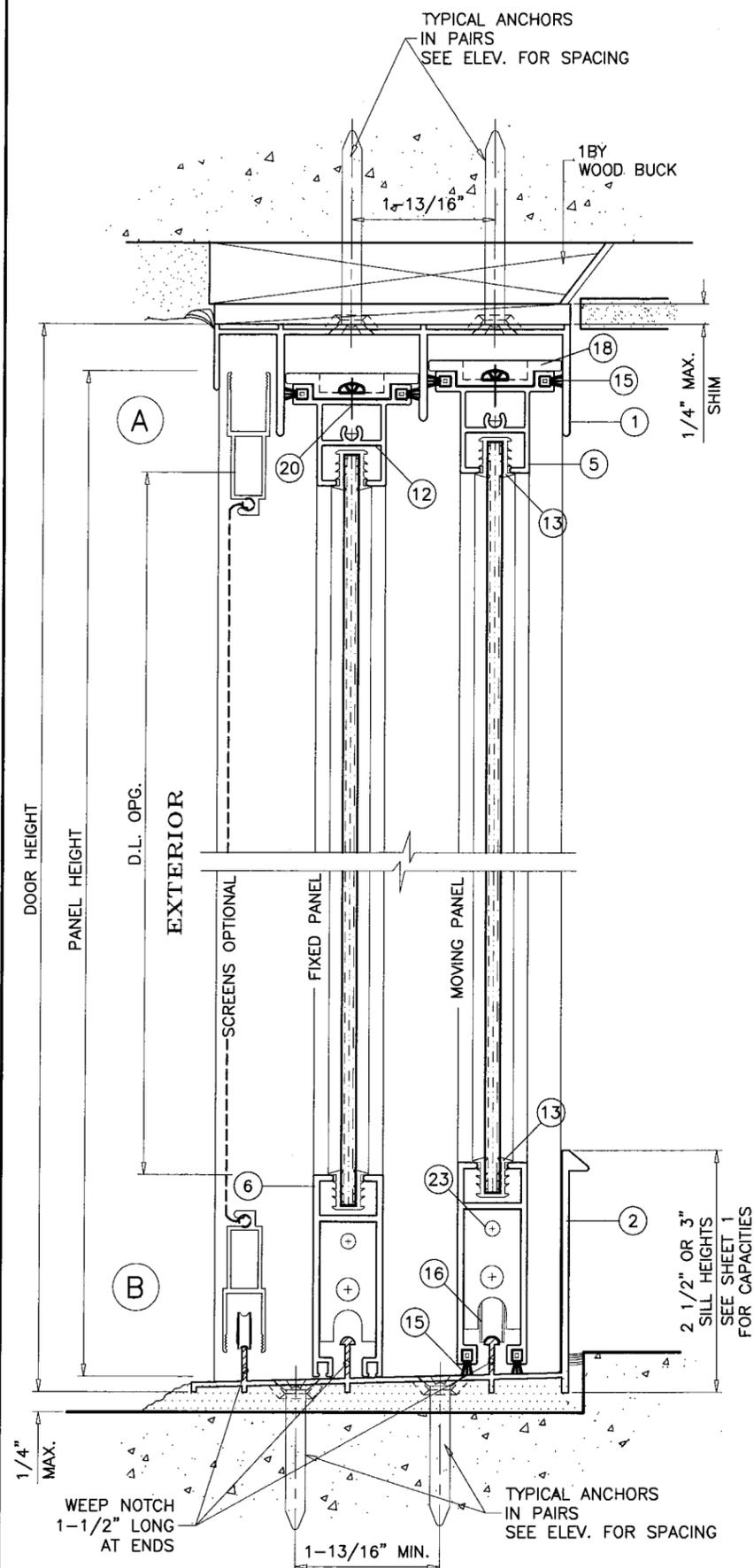
MARK-2 XHP ALUM. SLD. GLASS DOOR (N.I.)
ATRIUM FLORIDA, INC.
3600 PORT JACKSONVILLE PARKWAY
JACKSONVILLE, FL. 32226
TEL. (904) 355-1476 FAX. (904) 353-0689

no.	date	by	description
C	04.09.08		UPDATED FOR 2004/2007 FBC

date: 03-03-99
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W99-14

sheet 2 of 6



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA TAPCONS
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
 1-3/8" MIN. PENETRATION INTO WOOD
 THRU 1BY WOOD BUCKS INTO MASONRY OR CONC.
 1-1/4" MIN. EMBED INTO MASONRY OR CONC.
 DIRECTLY INTO CONCRETE OR MASONRY
 1-1/4" MIN. EMBED INTO CONCRETE OR MASONRY

#14 SMS OR SELF DRILLING SCREWS
 INTO METAL STRUCTURES
 STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

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

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

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

APR 10 2008

PRODUCT RENEWED
 as complying with the Florida
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 Acceptance No 08-0417-04
 Expiration Date 05/12/09

By *M. H. H.*
 Miami Dade Product Control
 Division

af c
AL-FAROOQ CORPORATION
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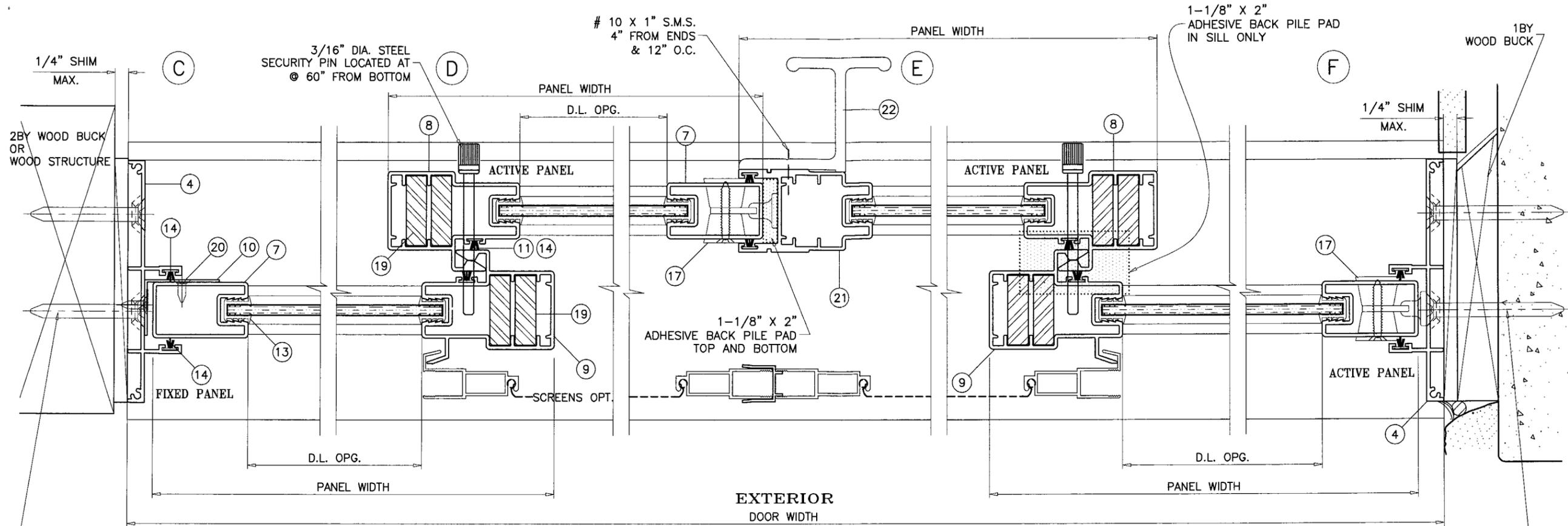
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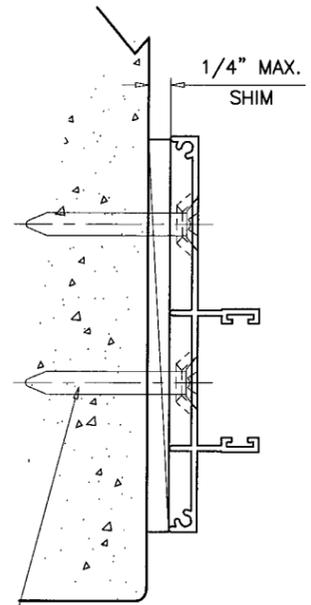
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 chk. by:

drawing no.
W99-14

sheet 3 of 6

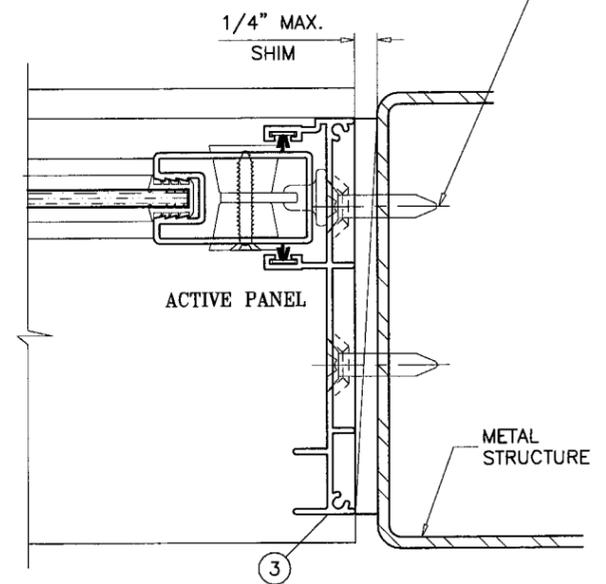


TYPICAL ANCHORS IN PAIRS SEE ELEV. FOR SPACING



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

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By M. H. Hark
Miami Dade Product Control
Division

APR 10 2008

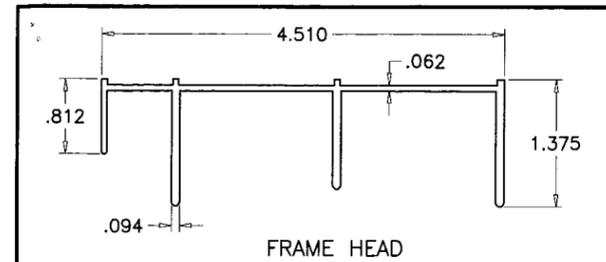
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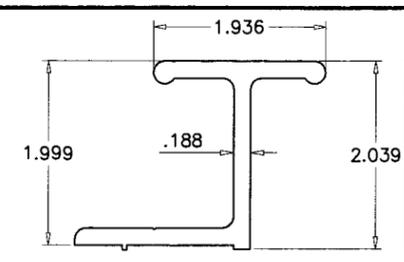
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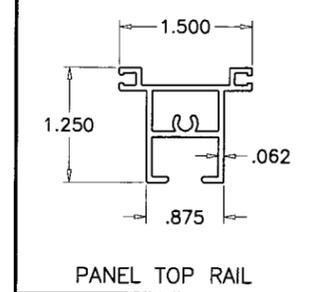
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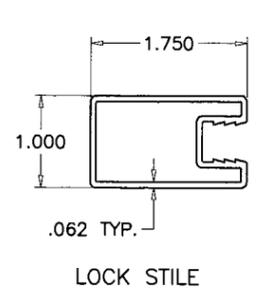
FRAME HEAD



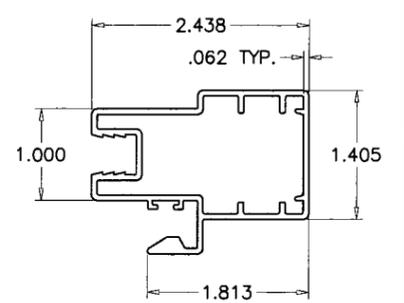
STIFFENER



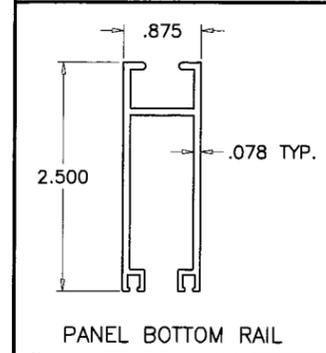
PANEL TOP RAIL



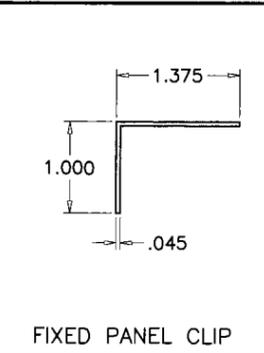
LOCK STILE



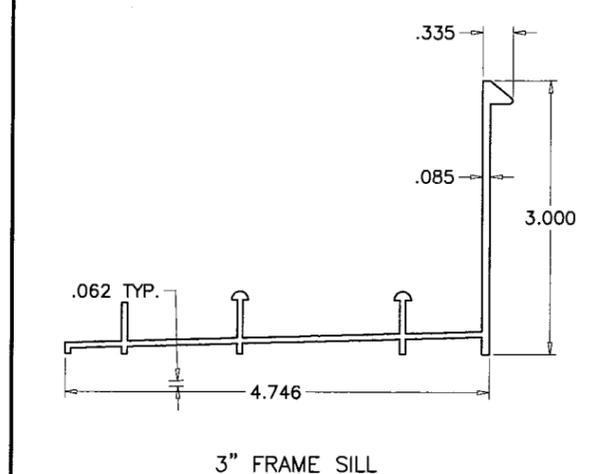
INTERLOCK



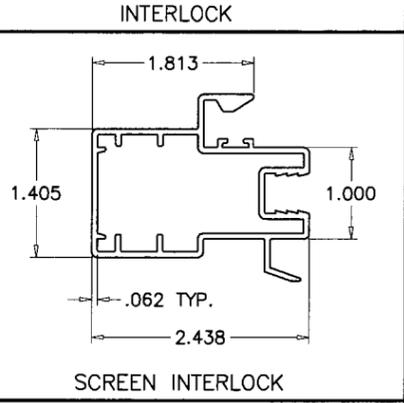
PANEL BOTTOM RAIL



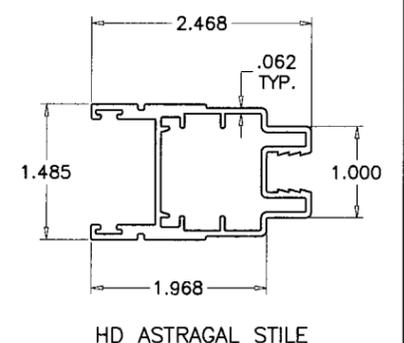
FIXED PANEL CLIP



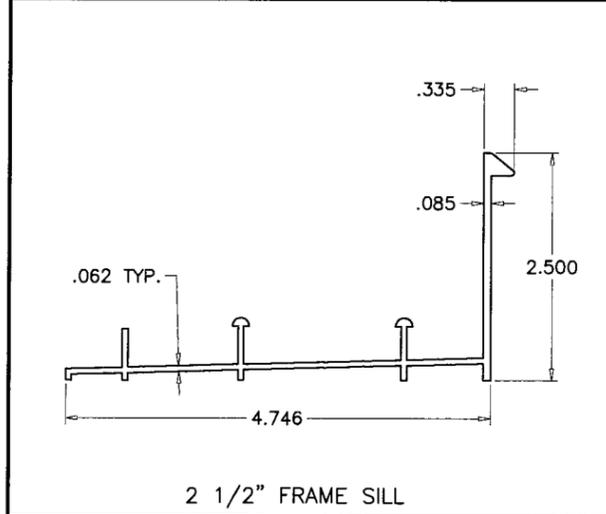
3" FRAME SILL



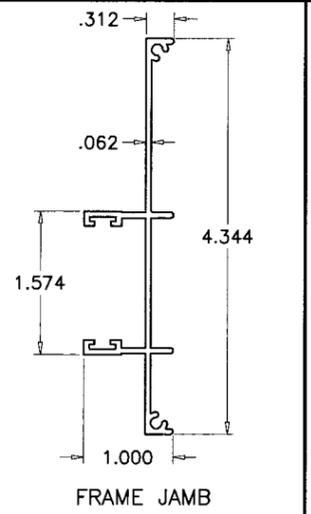
SCREEN INTERLOCK



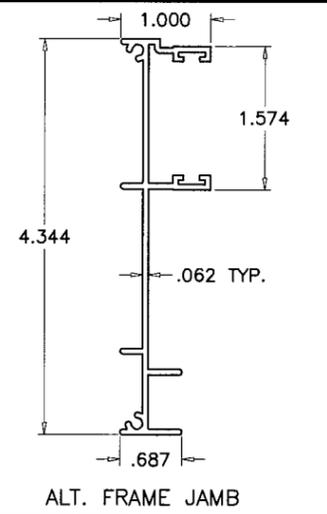
HD ASTRAGAL STILE



2 1/2" FRAME SILL



FRAME JAMB



ALT. FRAME JAMB

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	KCO-194	1	FRAME HEAD	6063-T6	-
2	KCO-213	1	FRAME SILL	6063-T6	-
3	KCO-224	2	ALT. FRAME JAMB	6063-T6	-
4	KCO-225	2	FRAME JAMB	6063-T6	-
5	KCO-192	1/	PANEL TOP RAIL	6063-T6	-
6	KCO-8	1/	PANEL BOTTOM RAIL	6063-T6	-
7	KCO-18	AS REQD.	LOCK STILE	6063-T6	-
8	KCO-195	AS REQD.	INTERLOCK	6063-T6	-
9	KCO-197	AS REQD.	SCREEN INTERLOCK	6063-T6	-
10	KCO-36	2/	FIX. PANEL PANEL BRACKET, 1-1/2" LONG	6063-T6	AT 12" FROM ENDS
11	460-270-6	AS REQD.	W'SEAL PILE WITH FIN, 1-1/2" LONG	-	AMESBURY, @ TOP OF EA. INTER'K.
12	#10 X 5/8"	2/	PANEL ASSEMBLY SCREWS, TOP	-	PH SMS
13	VF-1757	AS REQD.	GLAZING CHANNEL	PVC	VYTRON OR EQUIV.
14	W61175NG	AS REQD.	PILE WITH PLASTIC FIN, DOUBLE ROW	-	ULTRAFAB
15	5955	AS REQD.	PILE WITH PLASTIC FIN	-	ULTRAFAB
16	-	2/	PANEL ROLLER ASSEMBLY	STEEL	DELTA IND. OR EQUIV.
17	NO. 1720	1/	MOV. PANEL HOOK LOCK & KEEPER	ZAMAK	DELTA IND. OR NATIONWIDE
18	DPRG-2	2/	PANEL TOP RAIL GUIDE @ 1-7/8" FROM ENDS	NYLON	PROGRESS PLASTICS
19	-	2/	INTERLOCK 3/8" X 1-1/4" BAR, FULL LENGTH	STEEL	-
20	#8 X 1/2"	AS REQD.	PAN HEAD SMS	-	-
21	KCO-199	AS REQD.	HD ASTRAGAL STILE	6063-T6	-
22	KCO-237	1	STIFFENER	6005-T5	-
23	1/4-20X3/8"	2/	PANEL ASSEMBLY SCREWS, BOTTOM	-	-

SEALANTS:

ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH 'SCHNEE MOREHEAD 5504' SEALANT.

LOCKS:

SURFACE MOUNT ZINC CAST HOOK LOCK BY 'DELTA IND.' OR NATIONWIDE AT 42" FROM BOTTOM ON EACH ACTIVE PANEL LOCK STILE WITH KEEPER FASTENED AND SECURED TO JAMB AT LOCK POSITIONS.

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557
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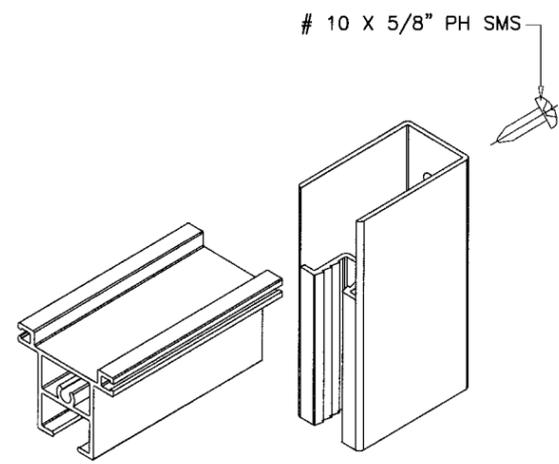
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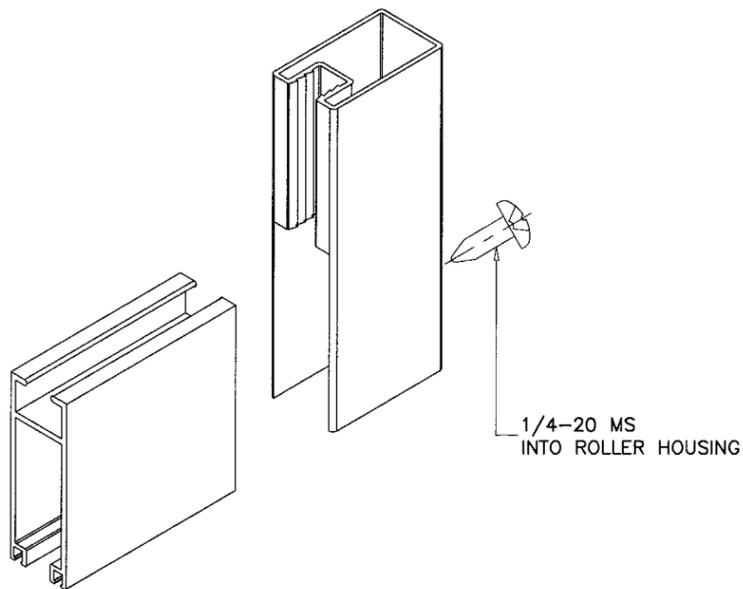
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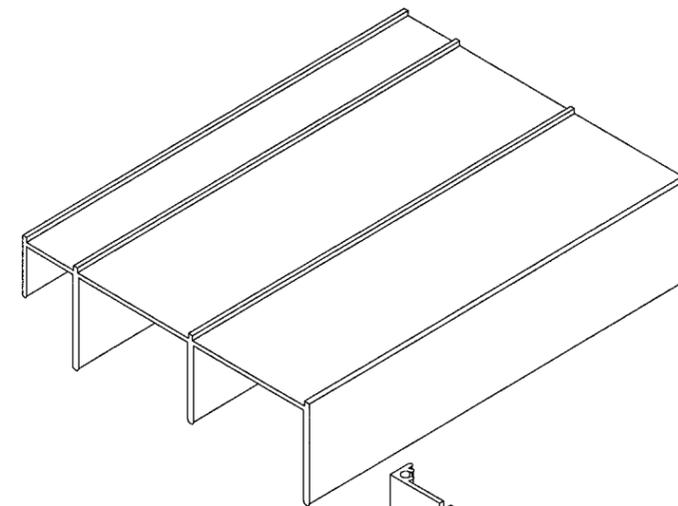
10 X 5/8" PH SMS

PANEL TOP CORNER



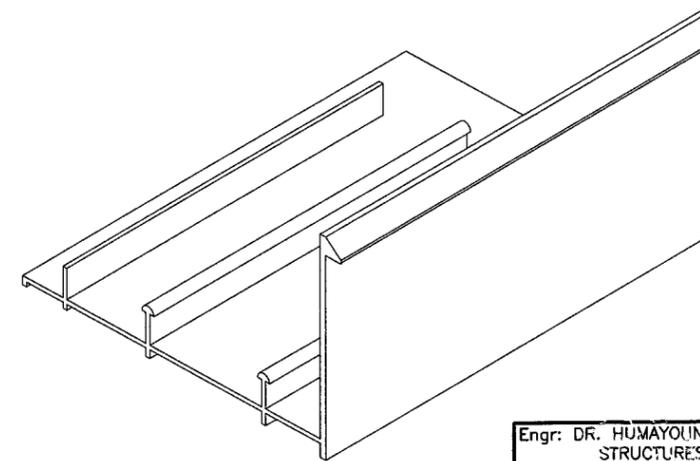
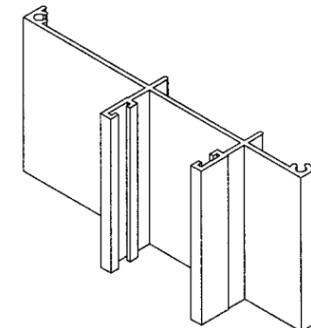
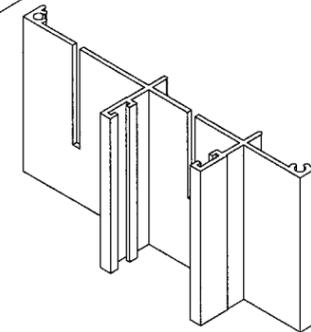
1/4-20 MS
INTO ROLLER HOUSING

PANEL BOTTOM CORNER



FRAME TOP CORNER

FRAME CORNERS SEALED WITH
SCHNEE MOREHEAD 5504
SCREWS NOT REQUIRED.



FRAME BOTTOM CORNER

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

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 08-0417.04
Expiration Date 05/12/09
By: [Signature]
Miami Dade Product Control
Division

APR 10 2008

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-W99-14KL

MARK-2 XHP ALUM. SLD. GLASS DOOR (N.I.)

ATRIUM FLORIDA, INC.
3600 PORT JACKSONVILLE PARKWAY
JACKSONVILLE, FL. 32226
TEL. (904) 355-1476 FAX. (904) 353-0689

revisions:	no	date	by	description
	C	04.09.08		UPDATED FOR 2004/2007 FBC

date:	03-03-99
scale:	1/2" = 1"
dr. by:	HAMID
chk. by:	

drawing no.
W99-14
sheet 6 of 6