



**MIAMI-DADE**  
**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)**

**YKK AP America**  
**332 FireTower Road**  
**Dublin, GA 31021**

**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 "35H" Aluminum Outswing Entrance Door (S.M.I.)**

**APPROVAL DOCUMENT:** Drawing No. **W04-07**, titled "Series "35H" Aluminum Outswing Door -S.M.I.", sheets 1 through 10 of 10, prepared by AL-Farooq Corporation, dated 01/23/04 with revision "A" dated 03/26/04, 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**

**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, E-2, and E-3, as well as approval document mentioned above.

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

**NOA No 04-0227.03**  
**Expiration Date: May 20, 2009**  
**Approval Date: May 20, 2004**  
**Page 1**

4/28/2004

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **W03-94**, titled "Series 35H Aluminum Outswing Entrance Door - L.M.I.", sheets 1 through 11 of 11, prepared by AL-Farooq Corporation, dated 10/20/03 with revision "A" on 03/26/04, 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) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL- 0231-0415-03**, with Specimen # 3, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
2. Test reports on 1) Small Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL- 0231-1203-02** with Specimen # 5, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
3. Test reports on 1) Small Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0231-0923-02** with Specimen # 2, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
4. 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) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL- 0231-0711-02**, with Specimen # 1, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
5. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0231-1203-02** with Specimen # 1, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
6. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL- 0231-0711-02**, with Specimen # 2, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.



Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 04-0227.03

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7. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94 along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL- 0231-0306-03**, with Specimen # 1, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
8. Test reports on 1) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94 along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL- 0231-0529-03**, with Specimen # 1, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
9. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0231-0415-03** with Specimen # 2, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
10. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94 along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL- 0231-0529-03**, with Specimen # 1, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
11. 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) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL- 0231-0923-02**, with Specimen # 1, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
12. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0231-0641-03** with Specimen # 1, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
13. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0231-0415-03** with Specimen # 4, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.
14. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with installation diagram of an aluminum outswing door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0231-0415-03** with Specimen # 3, dated 08/05/03, signed and sealed by Vinu J. Abraham, P.E.



**Theodore Berman, P.E.**  
**Deputy Director, Product Control Division**  
**NOA No 04-0227.03**  
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**NOTICE OF ACCEPTANCE: EVIDENCE PAGE**

15. 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) 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 and TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Certified Testing Laboratories, Test Report No. **ATL- 0218.01-99** dated 02/26/99, signed and sealed by William R. Mehner, P.E.

**C. CALCULATIONS**

1. Anchor Calculations, ASTM-E 1300, and structural analysis, prepared by AL-Farooq Corporation, dated 12/18/03, signed and sealed by Humayoun Farooq, P.E.

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

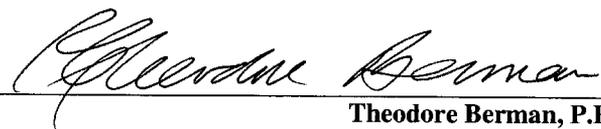
1. Notice of Acceptance No. **02-1205.03** issued to "Security Impact Glass Holding L.L.C." for "Saf-Glas Polycarbonate Laminate" dated 01/02/03, expiring on 12/16/07.  
2. Notice of Acceptance No. **00-1204.01** issued to "E.I. DuPont DeNemours" for "Dupont Sentry Plus" dated 01/14/99 and expiring on 01/14/07.  
3. Notice of Acceptance No. **01-0205.02** issued to "Solutia Inc." for "SaflexIIG PVB Interlayer for Laminated Glass" dated 05/17/01, expiring on 05/21/06.  
4. Notice of Acceptance No. **03-0421.01** issued to "Solutia Inc." for "Saflex HP Polyvinyl Butryal Interlayer for Lamination of Glass" dated 05/22/03, expiring on 04/14/08.

**F. STATEMENTS**

1. Statement letter of code compliance, dated December 18, 2003 signed and sealed by Humayoun Farooq, P.E.  
2. Statement letter of no financial interest, dated December 29, 2003, signed and sealed by Humayoun Farooq, P.E.

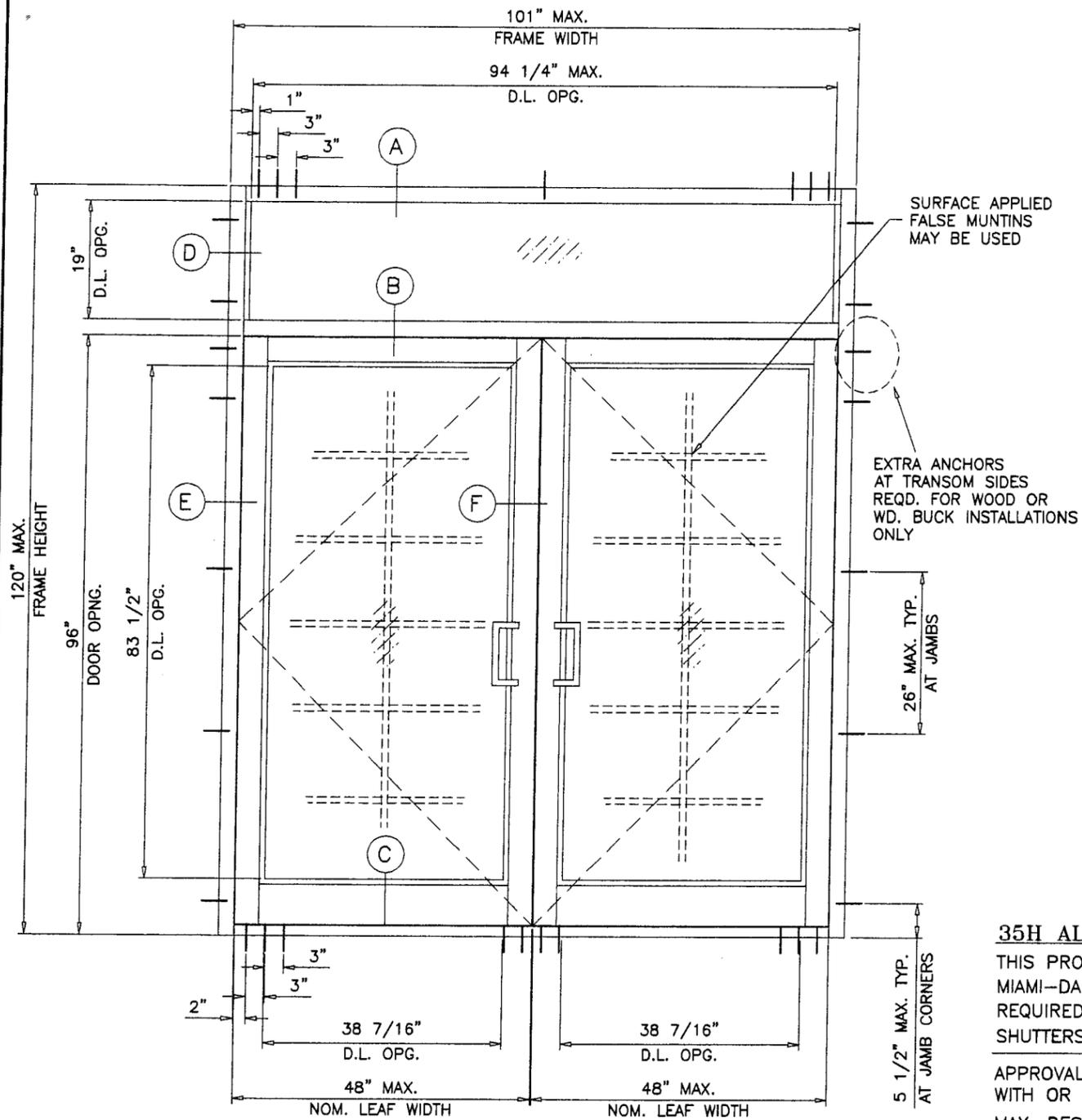
**G. OTHER**

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

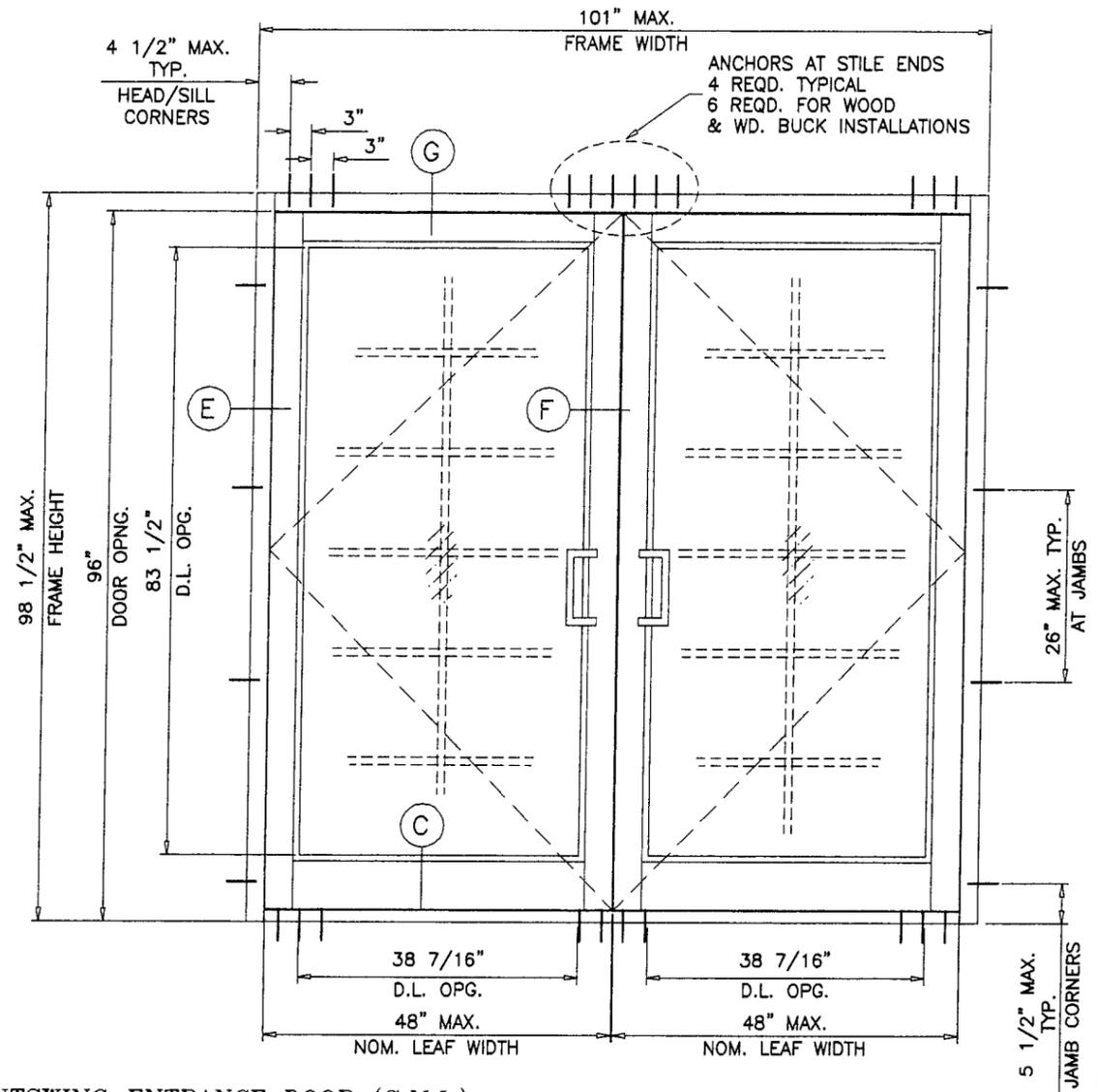


Theodore Berman, P.E.  
Deputy Director, Product Control Division

NOA No 04-0227.03  
Expiration Date: May 20, 2009  
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( O/XX )  
TYPICAL ELEVATION  
TESTED UNIT



**35H ALUMINUM OUTSWING ENTRANCE DOOR (S.M.I.)**

THIS PRODUCT 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

APPROVAL APPLIES TO SINGLE (X) AND DOUBLE (XX) LEAF DOORS  
WITH OR WITHOUT TRANSOMS.

MAX. DESIGN LOAD RATING FOR  
SINGLE (X) AND DOUBLE (XX) LEAF DOORS W/O TRANSOMS SEE SHEET 2.  
SINGLE (X) AND DOUBLE (XX) LEAF DOORS WITH TRANSOMS SEE SHEET 3.  
SINGLE (X) AND DOUBLE (XX) LEAF DOORS WITH YHS-50 STOREFRONT  
SYSTEM SEE SHEET 3.

USE THRESHOLD (C) FOR INSTALLATIONS WHERE WATER  
INFILTRATION RESISTANCE IS NOT REQUIRED.

USE THRESHOLD (C1) FOR INSTALLATIONS WHERE WATER  
INFILTRATION RESISTANCE IS REQUIRED.

THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE  
ZONE OF THE 2001 FLORIDA 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 as complying with the  
Florida Building Code  
Date 05/20/04  
NOA# 04-0222-03  
Miami Dade Product Control  
Division  
By: *[Signature]*

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

MAR 29 2004

**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\W04-07YKK

**YKK AP AMERICA INC.**  
332 FIRETOWER ROAD  
DUBLIN, GEORGIA 31021  
TEL.(478) 277-1955 FAX(478) 277-1978

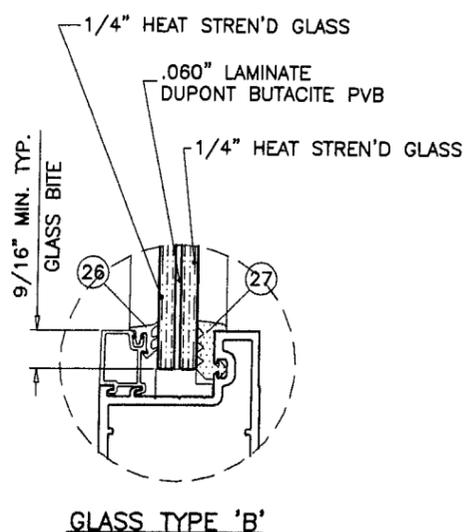
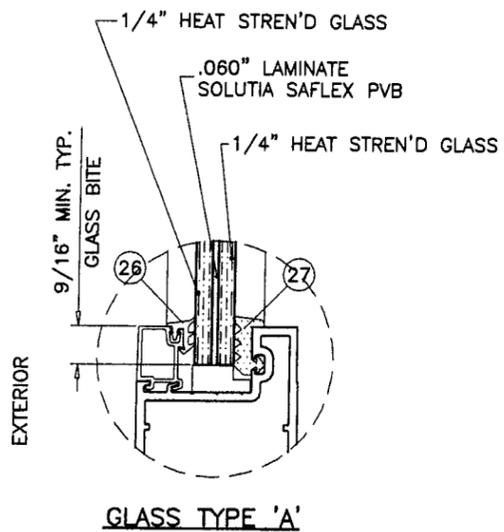
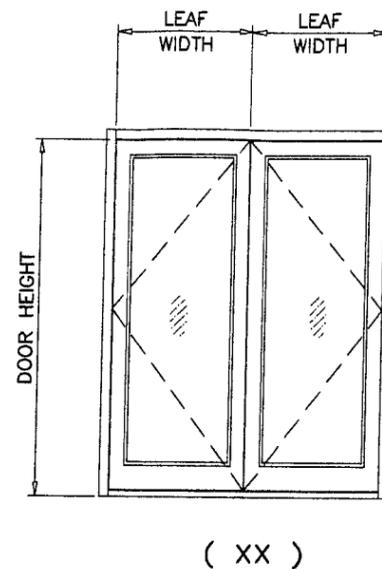
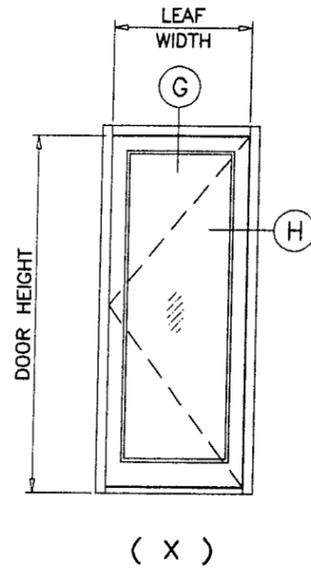
revisions:	no	date	description
	A	03.26.04	NO CHANGE THIS SHEET

date: 01-23-04  
scale: 1/2"=1'-0"  
dr. by: HAMID  
chk. by:

drawing no.  
**W04-07**

sheet 1 of 10

SINGLE OR DOUBLE ENTRANCE DOORS W/O TRANSOM DESIGN LOAD CAPACITY - PSF					
NOMINAL DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'	
LEAF WIDTH INCHES	DOOR HEIGHT INCHES	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30"	80"	70.0	90.0	70.0	90.0
36"		70.0	90.0	70.0	90.0
42"		70.0	90.0	70.0	90.0
48"		70.0	90.0	70.0	90.0
30"	84"	70.0	90.0	70.0	90.0
36"		70.0	90.0	70.0	90.0
42"		70.0	90.0	70.0	90.0
48"		70.0	90.0	70.0	90.0
30"	90"	70.0	90.0	70.0	90.0
36"		70.0	90.0	70.0	90.0
42"		70.0	90.0	70.0	90.0
48"		70.0	90.0	70.0	90.0
30"	96"	70.0	90.0	70.0	90.0
36"		70.0	90.0	70.0	90.0
42"		70.0	90.0	70.0	90.0
48"		70.0	90.0	70.0	90.0



GLAZING OPTIONS

Approved as complying with the  
Florida Building Code  
Date 05/20/04  
NOA# 04-0227-03  
Miami Dade Product Control  
Division  
E. Leonard Berman

Engr: DR. HUMAYOON FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538  
MAR 29 2004

**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL W04-07YKK

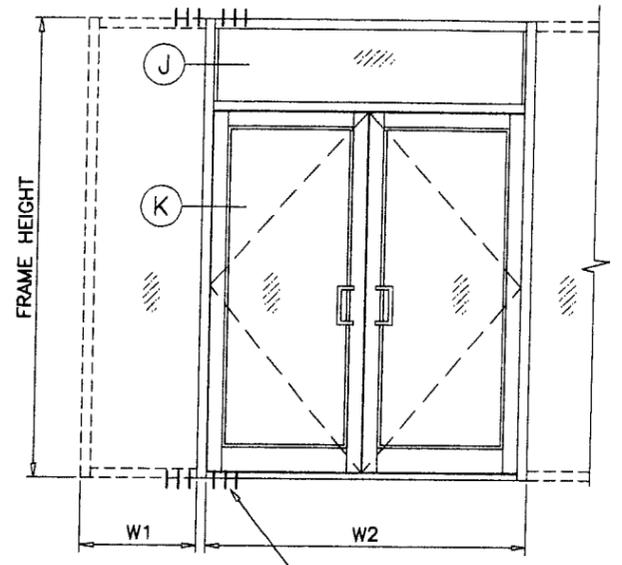
35H ALUMINUM OUTSWING ENTRANCE DOOR (S.M.I.)  
**YKK AP AMERICA INC.**  
332 FIRETOWER ROAD  
DUBLIN, GEORGIA 31021  
TEL.(478) 277-1955 FAX(478) 277-1978

no	date	description
A	10.3.26.04	NO CHANGE THIS SHEET

date: 01-23-04  
scale: 1/2"=1'-0"  
dr. by: HAMID  
chk. by:

drawing no.  
**W04-07**  
sheet 2 of 10

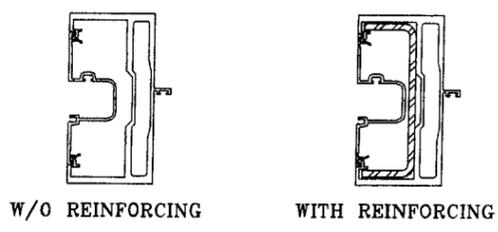
MULLION LOAD CAPACITY-PSF					
WIDTH (W) INCHES	FRAME HEIGHT INCHES	W/O REINFORCING		WITH REINFORCING	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
48"	96"	55.0	70.0	70.0	90.0
51"		55.0	70.0	70.0	90.0
54"		55.0	70.0	70.0	90.0
57"		55.0	70.0	70.0	90.0
60"		55.0	70.0	70.0	90.0
63"		55.0	70.0	70.0	90.0
66"		55.0	70.0	70.0	90.0
69"		55.0	70.0	70.0	90.0
72"		55.0	70.0	70.0	90.0
75"		55.0	70.0	70.0	90.0
78"	55.0	70.0	70.0	90.0	
48"	102"	55.0	70.0	70.0	90.0
51"		55.0	70.0	70.0	90.0
54"		55.0	70.0	70.0	90.0
57"		55.0	70.0	70.0	90.0
60"		55.0	70.0	70.0	90.0
63"		55.0	70.0	70.0	90.0
66"		55.0	70.0	70.0	90.0
69"		55.0	70.0	70.0	90.0
72"		55.0	70.0	70.0	90.0
75"		-	-	70.0	90.0
78"	-	-	70.0	90.0	
48"	108"	55.0	70.0	70.0	90.0
51"		55.0	70.0	70.0	90.0
54"		55.0	70.0	70.0	90.0
57"		55.0	70.0	70.0	90.0
60"		55.0	70.0	70.0	90.0
63"		55.0	70.0	70.0	90.0
66"		55.0	70.0	70.0	90.0
69"		55.0	70.0	70.0	90.0
72"		-	-	70.0	90.0
75"		-	-	70.0	90.0
78"	-	-	70.0	90.0	
48"	114"	55.0	70.0	70.0	90.0
51"		55.0	70.0	70.0	90.0
54"		55.0	70.0	70.0	90.0
57"		55.0	70.0	70.0	90.0
60"		55.0	70.0	70.0	90.0
63"		55.0	70.0	70.0	90.0
66"		55.0	70.0	70.0	90.0
69"		-	-	70.0	90.0
72"		-	-	70.0	90.0
75"		-	-	70.0	90.0
48"	120"	-	-	70.0	90.0
51"		-	-	70.0	90.0
54"		-	-	70.0	90.0
57"		-	-	70.0	90.0
60"		-	-	70.0	90.0
63"		-	-	70.0	90.0
66"		-	-	70.0	90.0
69"		-	-	70.0	90.0
72"		-	-	70.0	90.0



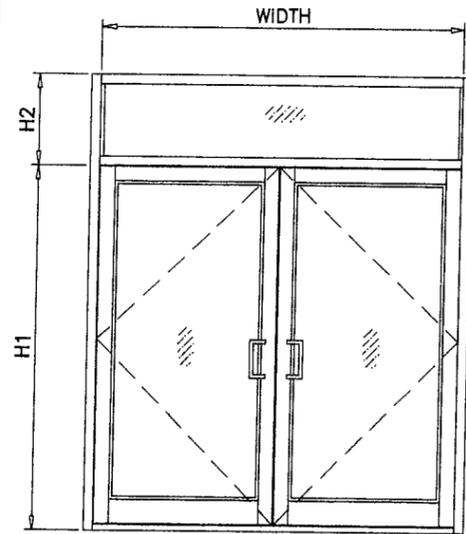
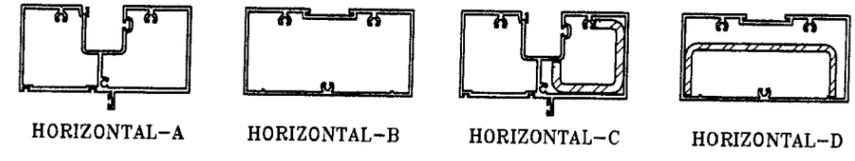
SEE CHART BELOW FOR TOTAL NUMBER OF ANCHORS AT MULLION ENDS  
3" O.C. FOR CONC.  
1-1/2" O.C. FOR WOOD

$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

ANCHOR TYPE	ANCHOR DESCRIPTION	SUBSTRATE	W/O REINFORCING		WITH REINFORCING	
			NO. OF ANCHORS		NO. OF ANCHORS	
			HEAD	SILL	HEAD	SILL
A	1/4" TAPCONS	WOOD STRUCTURE	8	8	11	11
		THRU 1BY OR 2BY BUCKS INTO CONC.	8	8	11	11
B	1/4" TAPCONS	DIRECTLY INTO CONCRETE	4	4	6	6
C	#24 WOOD SCREWS 3" MIN. EMBED	WOOD STRUCTURE	5	5	7	7
D	1/4"-20 KWIK-FLEX SELF DRILLING SCREWS	METAL STRUCTURES STL. OR ALUM 1/8" MIN. THK.	4	4	6	6



HORIZONTAL LOAD CAPACITY-PSF							
HEIGHT (H) INCHES	WIDTH INCHES	HORIZONTAL-A		HORIZONTAL-B		HORIZONTAL-C&D	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
51"	72"	70.0	90.0	70.0	90.0	70.0	90.0
54"		70.0	90.0	70.0	90.0	70.0	90.0
57"		70.0	90.0	70.0	90.0	70.0	90.0
60"		70.0	90.0	70.0	90.0	70.0	90.0
51"	78"	70.0	90.0	70.0	90.0	70.0	90.0
54"		70.0	90.0	70.0	90.0	70.0	90.0
57"		70.0	90.0	70.0	88.1	70.0	90.0
60"		70.0	86.3	70.0	83.7	70.0	90.0
51"	84"	70.0	90.0	70.0	90.0	70.0	90.0
54"		70.0	89.0	70.0	86.3	70.0	90.0
57"		70.0	84.4	70.0	81.8	70.0	90.0
60"		70.0	80.1	70.0	77.7	70.0	90.0
51"	90"	70.0	88.0	70.0	85.3	70.0	90.0
54"		70.0	83.1	70.0	80.6	70.0	90.0
57"		70.0	78.7	70.0	76.3	70.0	90.0
60"		70.0	74.8	70.0	72.5	70.0	90.0
51"	96"	70.0	82.5	70.0	80.0	70.0	90.0
54"		70.0	77.9	70.0	75.5	70.0	90.0
57"		70.0	73.8	70.0	71.6	70.0	90.0
60"		70.0	70.1	68.0	68.0	70.0	90.0



$$\text{HEIGHT (H)} = \frac{H1 + H2}{2}$$

Approved as complying with the Florida Building Code  
Date: 05/20/04  
NOA# 04-0227.03  
Miami Dade Product Control  
Division  
By: *[Signature]*

Engr: DR. HLMAYOLN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538  
*[Signature]*  
MAR 29 2004

**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\W04-07YKK

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**YKK AP AMERICA INC.**  
332 FIRETOWER ROAD  
DUBLIN, GEORGIA 31021  
TEL(478) 277-1955 FAX(478) 277-1978

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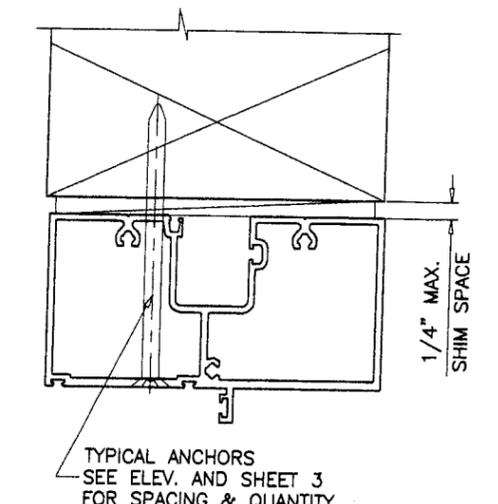
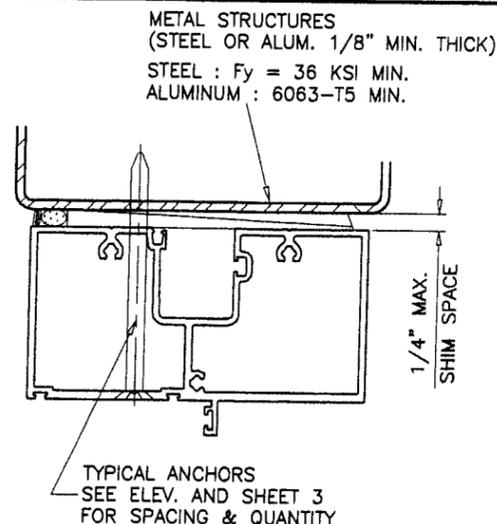
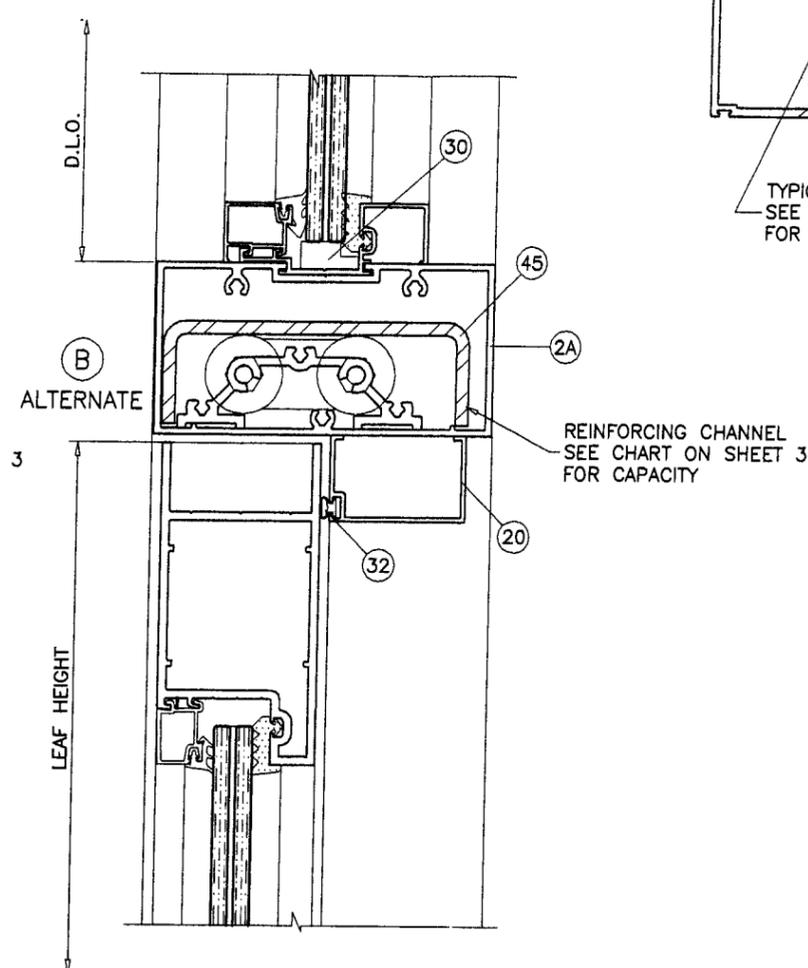
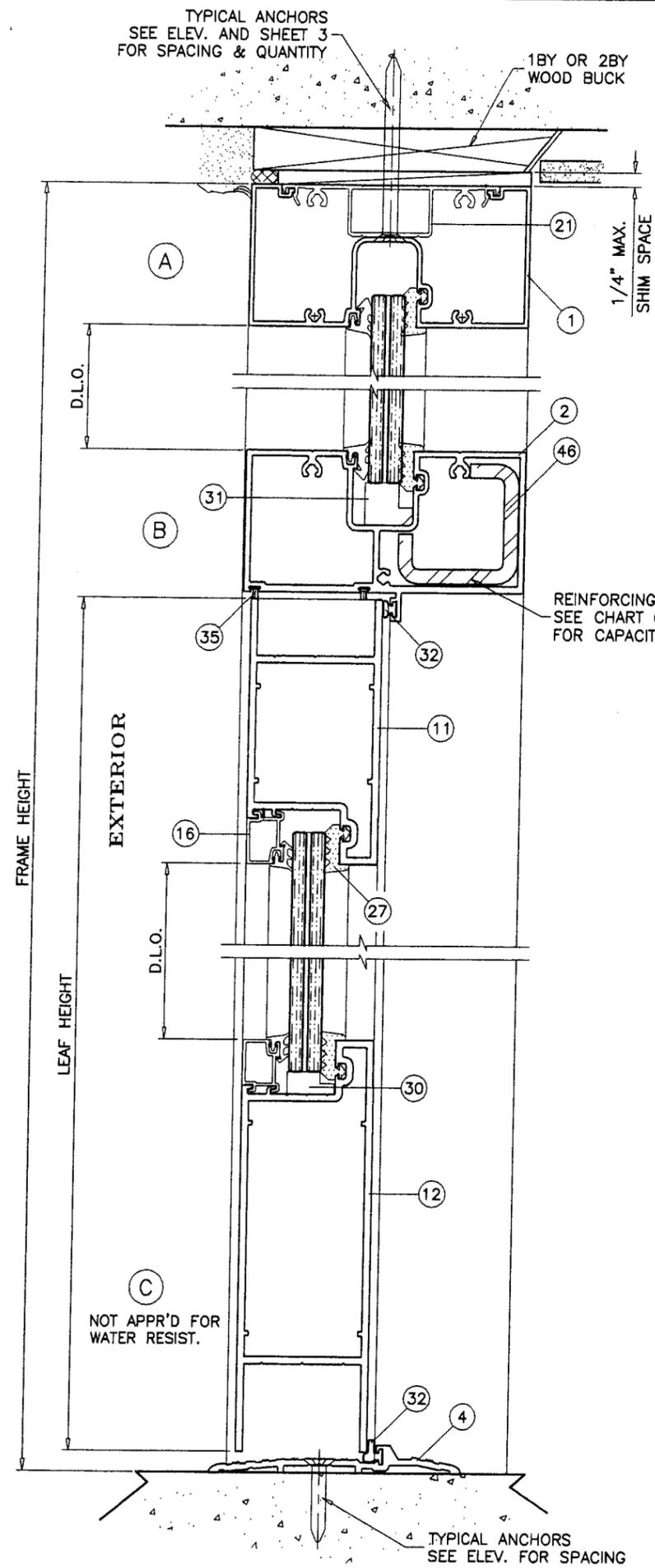
35H ALUMINUM OUTSWING ENTRANCE DOOR (S.M.I.)

no	date	description
A	03.26.04	REV. PER BCCO COMMENTS

revisions:

date: 01-23-04  
scale: -  
dr. by: HAMID  
chk. by:

drawing no.  
**W04-07**  
sheet 3 of 10



Approved as complying with the  
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Date 05/20/04  
NOA# 04-0223-03  
Miami Dade Product Control  
Division  
By *Madhu Berman*

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

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35H ALUMINUM OUTSWING ENTRANCE DOOR (S.M.I.)

no	date	by	description
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drawing no.  
**W04-07**

sheet 4 of 10

TYPICAL ANCHORS  
SEE ELEV. AND SHEET 3  
FOR SPACING & QUANTITY

ANCHORS TYPE 'A' OR 'B'  
(7) REQD. AT MTG. STILE ENDS  
SEE ELEV. FOR SPACING  
(ANCHORS INSTALLED PRIOR TO CLOSER)

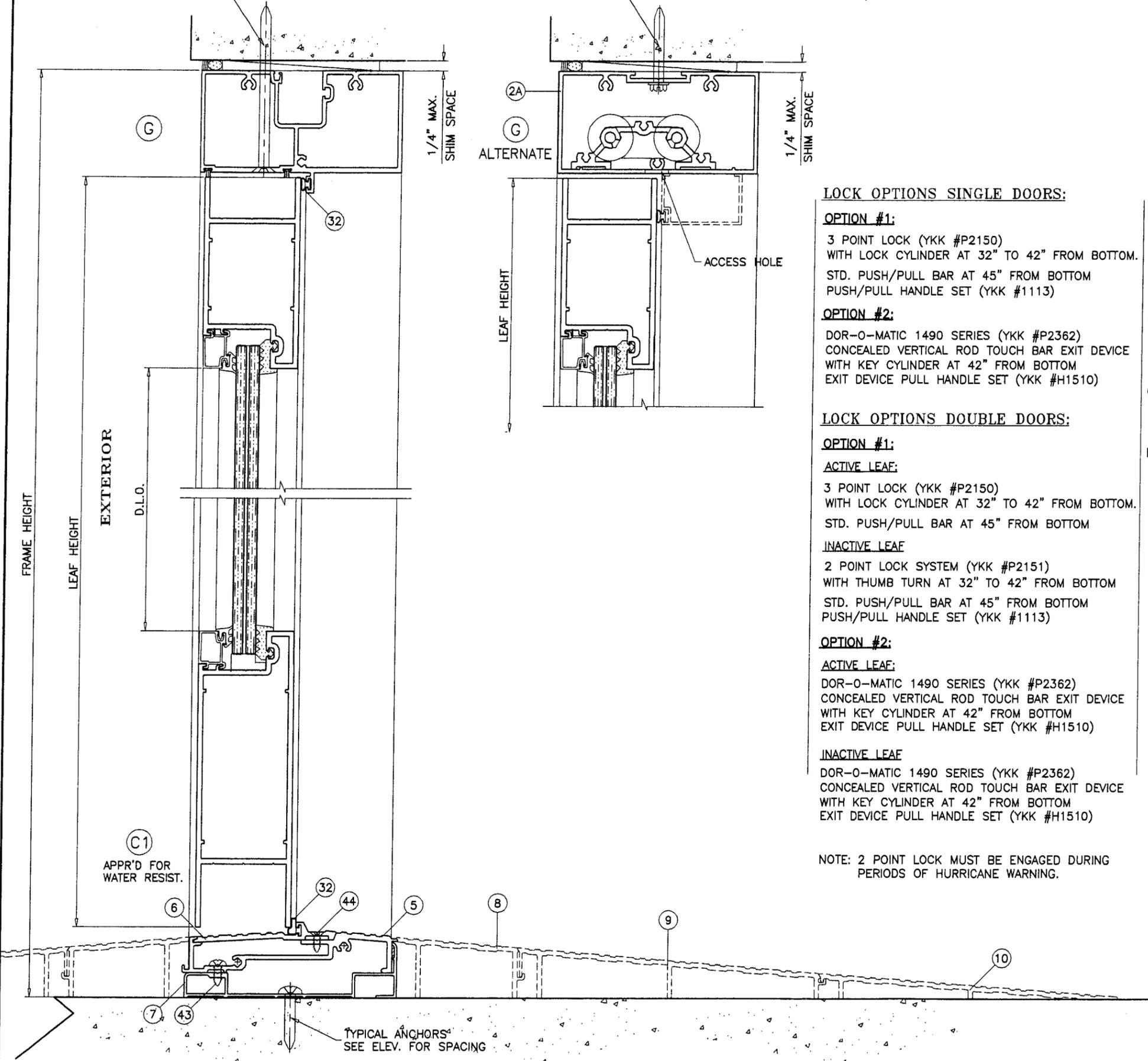
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Division  
By Alfredo Beaman

afc

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COMP-ANL\W04-07YKK

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YKK AP AMERICA INC.  
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YKK AP



**LOCK OPTIONS SINGLE DOORS:**

**OPTION #1:**

3 POINT LOCK (YKK #P2150)  
WITH LOCK CYLINDER AT 32" TO 42" FROM BOTTOM.  
STD. PUSH/PULL BAR AT 45" FROM BOTTOM  
PUSH/PULL HANDLE SET (YKK #1113)

**OPTION #2:**

DOR-O-MATIC 1490 SERIES (YKK #P2362)  
CONCEALED VERTICAL ROD TOUCH BAR EXIT DEVICE  
WITH KEY CYLINDER AT 42" FROM BOTTOM  
EXIT DEVICE PULL HANDLE SET (YKK #H1510)

**LOCK OPTIONS DOUBLE DOORS:**

**OPTION #1:**

**ACTIVE LEAF:**

3 POINT LOCK (YKK #P2150)  
WITH LOCK CYLINDER AT 32" TO 42" FROM BOTTOM.  
STD. PUSH/PULL BAR AT 45" FROM BOTTOM

**INACTIVE LEAF**

2 POINT LOCK SYSTEM (YKK #P2151)  
WITH THUMB TURN AT 32" TO 42" FROM BOTTOM  
STD. PUSH/PULL BAR AT 45" FROM BOTTOM  
PUSH/PULL HANDLE SET (YKK #1113)

**OPTION #2:**

**ACTIVE LEAF:**

DOR-O-MATIC 1490 SERIES (YKK #P2362)  
CONCEALED VERTICAL ROD TOUCH BAR EXIT DEVICE  
WITH KEY CYLINDER AT 42" FROM BOTTOM  
EXIT DEVICE PULL HANDLE SET (YKK #H1510)

**INACTIVE LEAF**

DOR-O-MATIC 1490 SERIES (YKK #P2362)  
CONCEALED VERTICAL ROD TOUCH BAR EXIT DEVICE  
WITH KEY CYLINDER AT 42" FROM BOTTOM  
EXIT DEVICE PULL HANDLE SET (YKK #H1510)

NOTE: 2 POINT LOCK MUST BE ENGAGED DURING PERIODS OF HURRICANE WARNING.

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

- A) **1/4" DIA TAPCONS**  
INTO WOOD STRUCTURES  
WITH 1-1/2" MIN. PENETRATION INTO WOOD  
THRU WOOD BUCKS INTO MASONRY  
WITH 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
- B) **1/4" DIA TAPCONS**  
DIRECTLY INTO MASONRY  
WITH 1-1/4" MIN. EMBED INTO MASONRY
- C) **#24 WOOD SCREWS**  
INTO WOOD STRUCTURES  
WITH 3" MIN. PENETRATION INTO WOOD
- D) **#14 SMS OR KWIK-FLEX SELF DRILLING SCREWS BY 'HILTI'**  
INTO METAL STRUCTURES  
(STEEL OR ALUMINUM 1/8" MIN. THICK.)  
STEEL : Fy = 36 KSI MIN.  
ALUMINUM : 6063-T5 MIN.

**TYPICAL EDGE DISTANCE**

INTO CONCRETE AND MASONRY = 12 X ANCHOR DIA.  
INTO WOOD STRUCTURE = 4 X ANCHOR DIA.

**SEALANTS:**

ALL FRAME CORNERS SEALED WITH TREMCO SPECTREM 2 OR DOW 795 SILICONE.

**HINGES:**

4-1/2" X 4" BRASS BUTT HINGES (YKK #P1300)  
AT 4" FROM TOP END, 7" FROM BOTTOM END  
AND ONE OR TWO EQUALLY SPACED.  
(3) PER LEAF FOR 90" DOOR HT. AND ≤ 36" LEAF WD.  
(4) PER LEAF FOR UPTO 96" DOOR HT.  
AND UPTO 48" LEAF WD.

HINGE ATTACHED TO DOOR FRAME AND DOOR STILE USING (4) #12-24 X 1/2" FH MS THAT PASS THRU DOOR MEMBER AND THREAD INTO 5/16" ALUMINUM BACKUP PLATE.

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

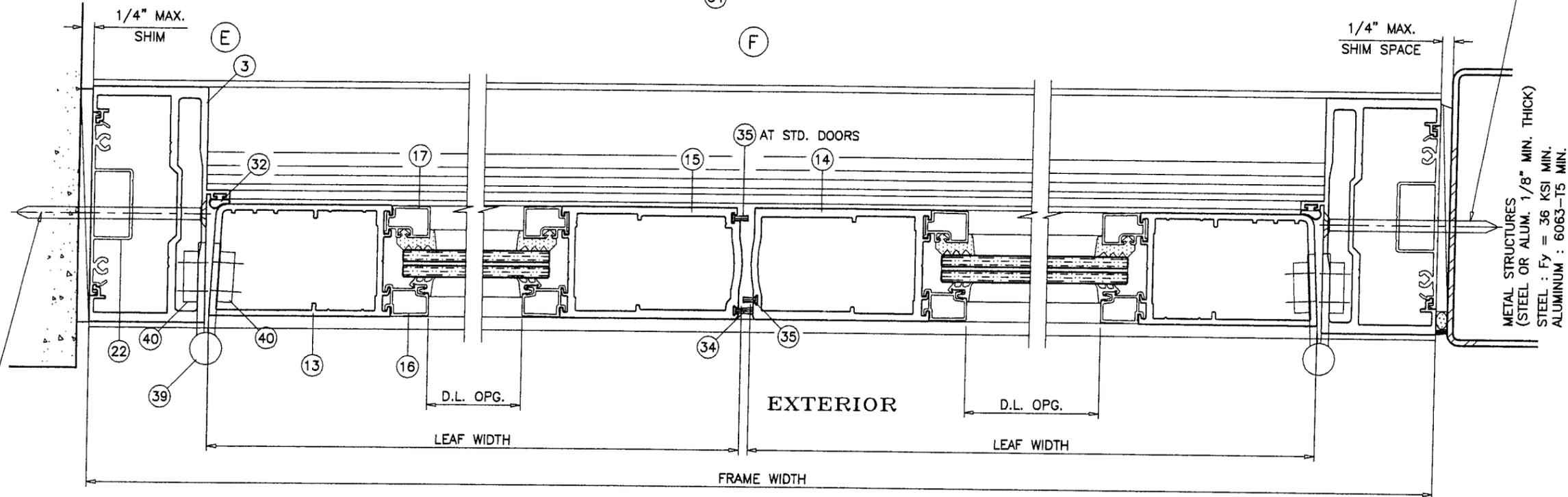
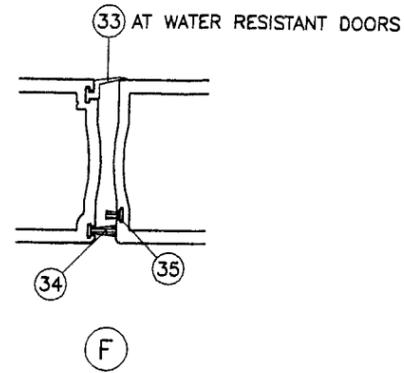
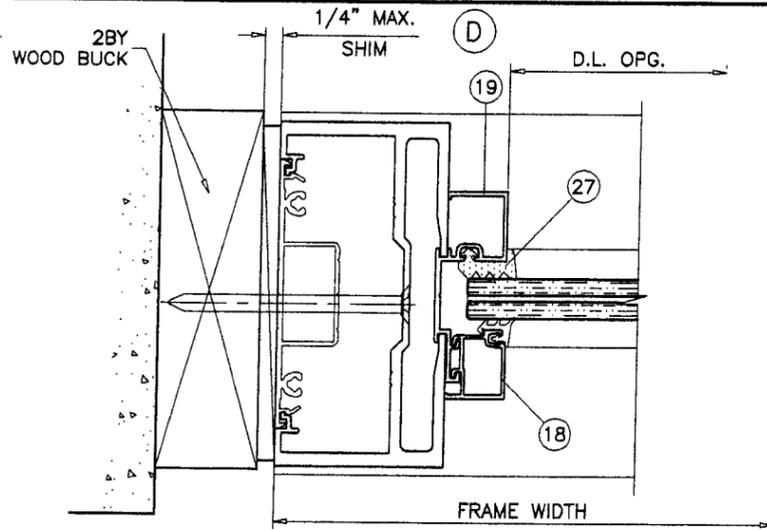
MAR 29 2004

Revisions:

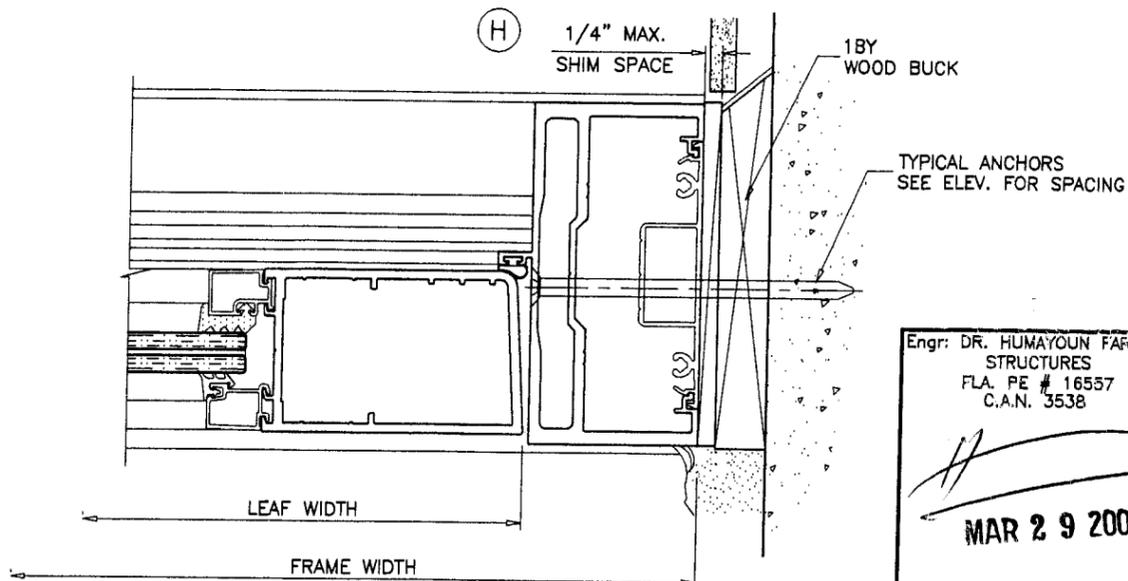
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date: 01-23-04  
scale: 3/8" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W04-07**  
sheet 5 of 10



TYPICAL ANCHORS  
SEE ELEV. FOR SPACING



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Division  
By: *Alvin Bernon*

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
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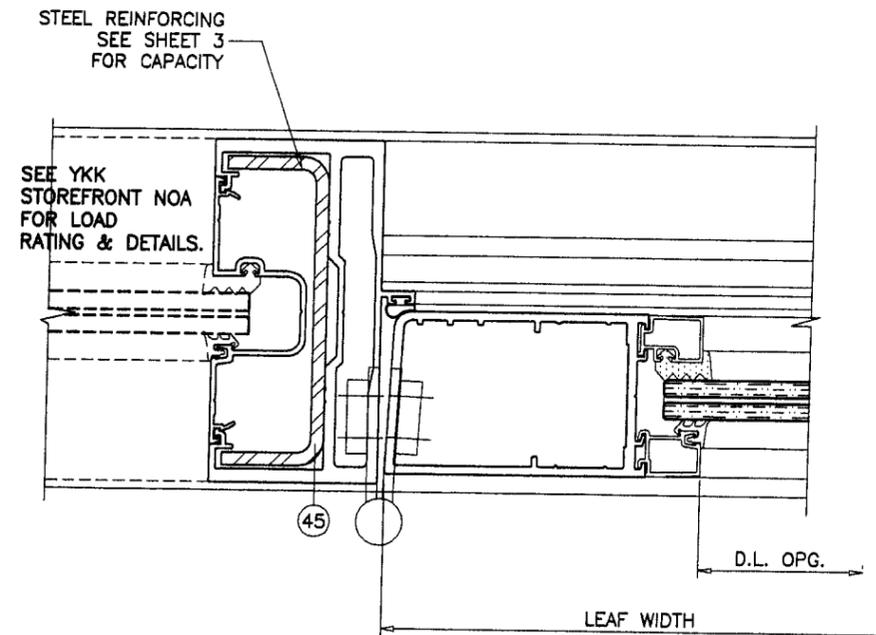
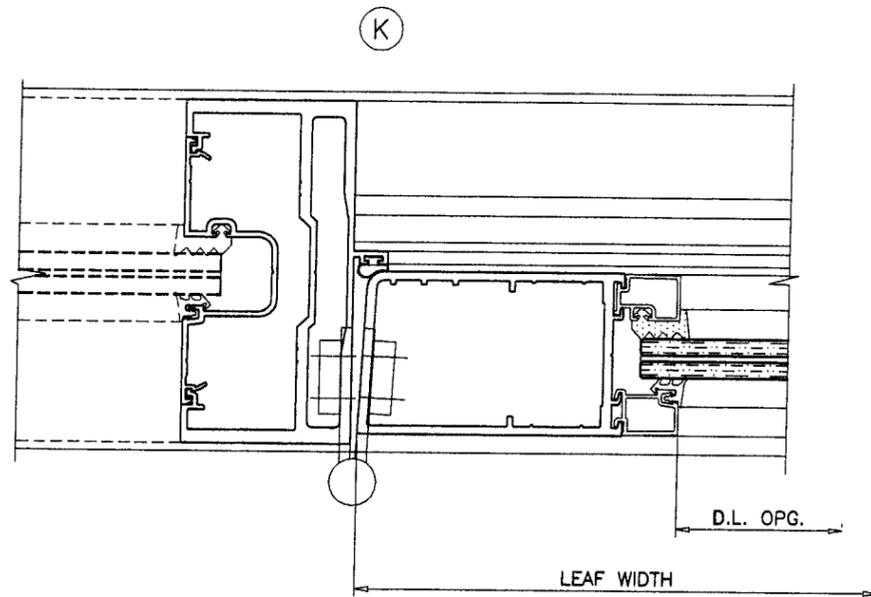
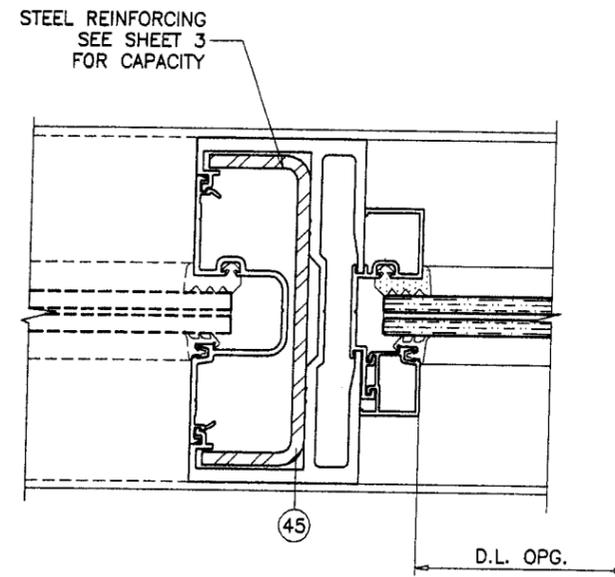
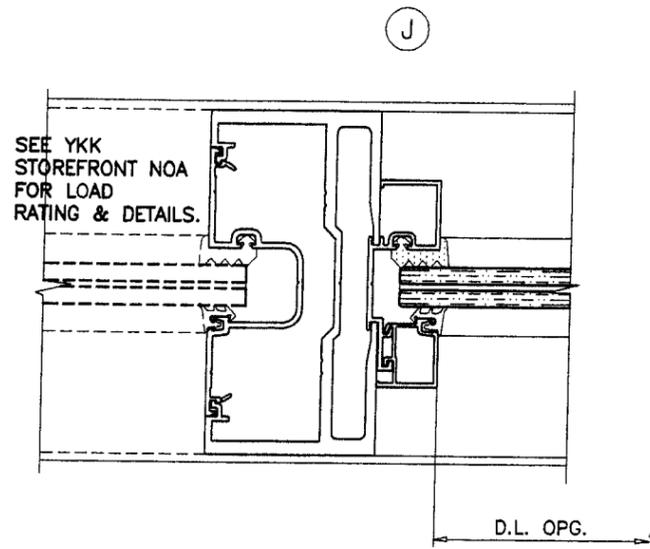
**YKK AP AMERICA INC.**  
332 FIRETOWER ROAD  
DUBLIN, GEORGIA 31021  
TEL(478) 277-1955 FAX(478) 277-1978

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chk. by:

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**W04-07**  
sheet 6 of 10

COMP-ANL\W04-07YKK



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Engr: DR. HUMAYOUN FAROOQ  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 5538

*[Signature]*

MAR 29 2004

*afc*

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35H ALUMINUM OUTSWING ENTRANCE DOOR (S.M.I.)

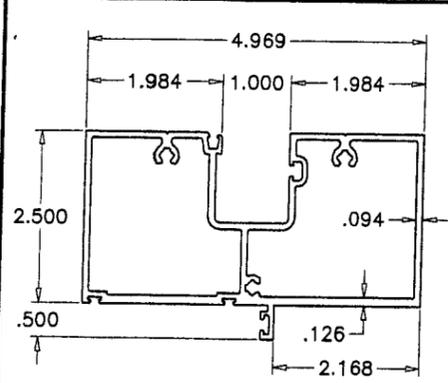
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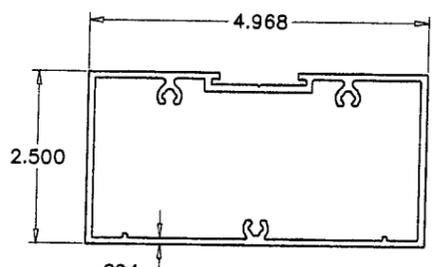
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 chk. by:

drawing no.  
**W04-07**

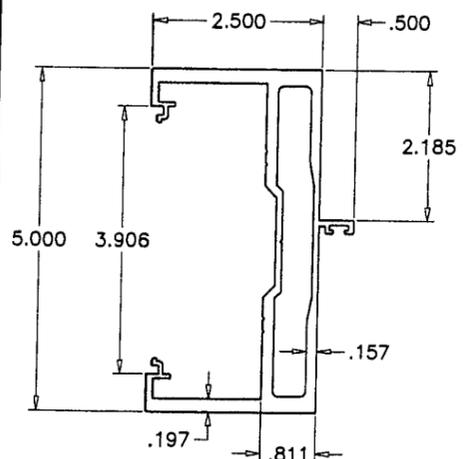
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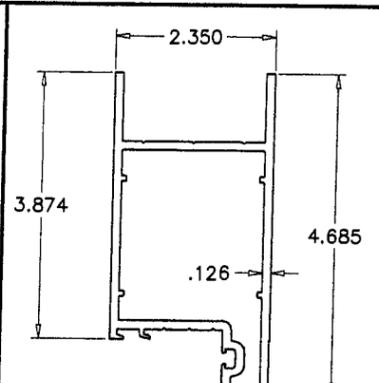
② STD. FRAME TRANSOM



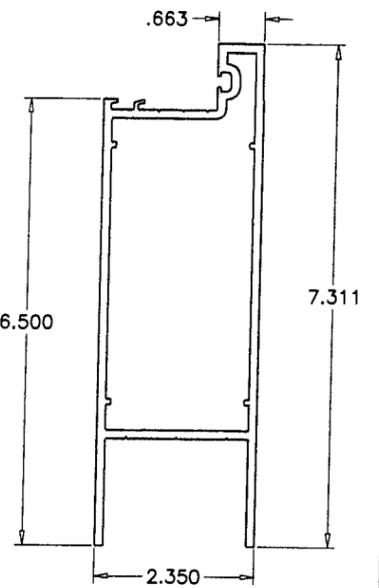
②A ALT. FRAME TRANSOM (FOR O.H.C.C.)



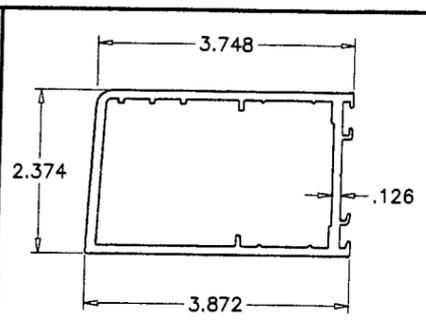
③ FRAME JAMB



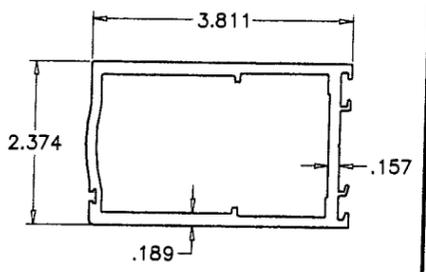
⑪ TOP RAIL



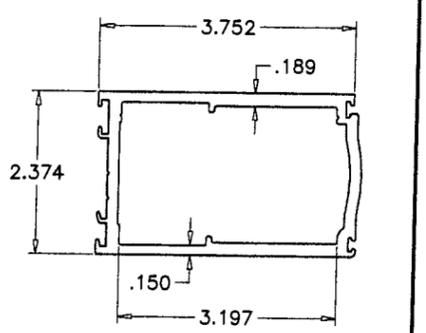
⑫ BOTTOM RAIL



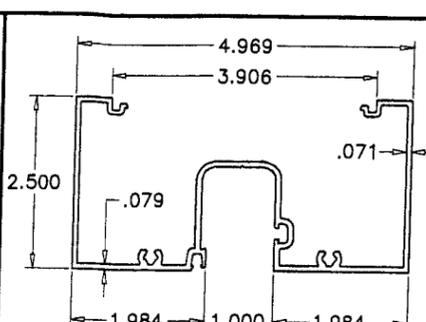
⑬ HINGE STILE



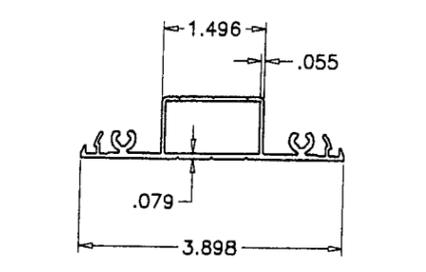
⑭ LOCK STILE (ACTIVE)



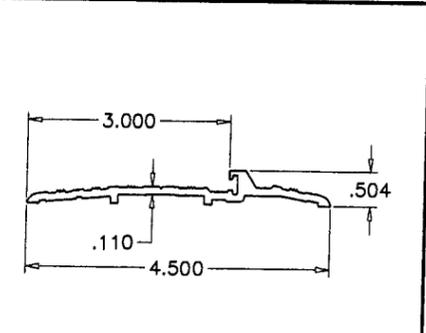
⑮ LOCK STILE (IN-ACTIVE)



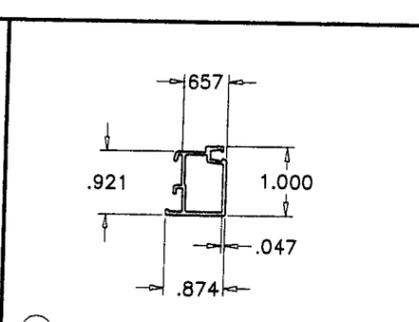
① TRANSOM HEAD



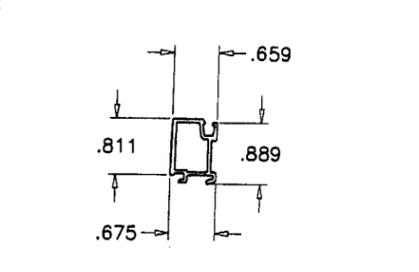
⑰ ANCHOR PLATE



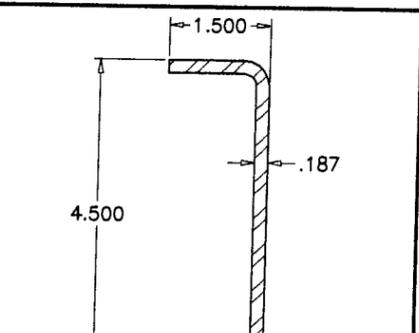
④ BUMPER THRESHOLD



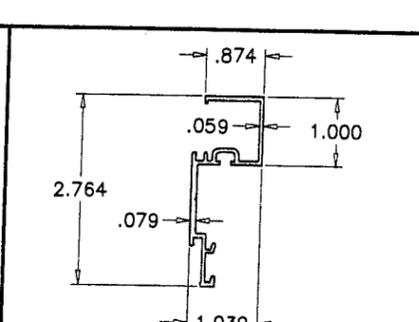
⑱ EXT. GLASS STOP (TRANSOM)



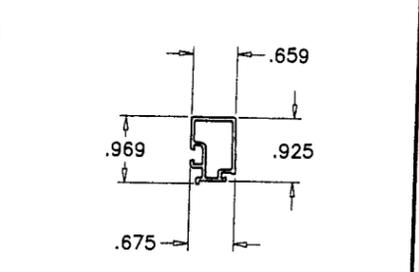
⑱ EXTERIOR GLASS STOP (DOOR)



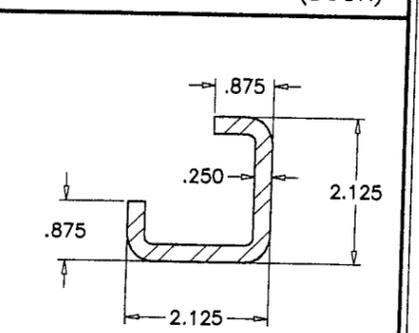
④⑤ MULLION/HORIZ. REINFORCING



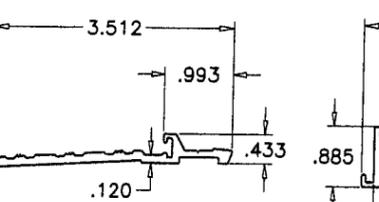
⑲ INT. GLASS STOP (TRANSOM)



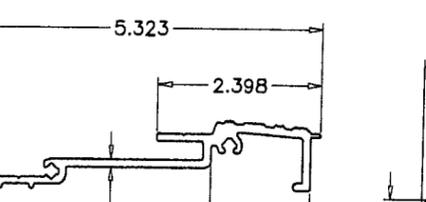
⑲ INTERIOR GLASS STOP (DOOR)



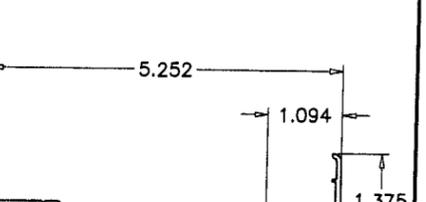
④⑥ REINFORCING ANGLE FOR STD. FRAME TRANSOM



⑥

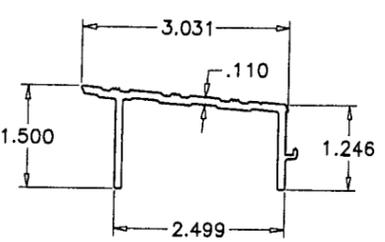


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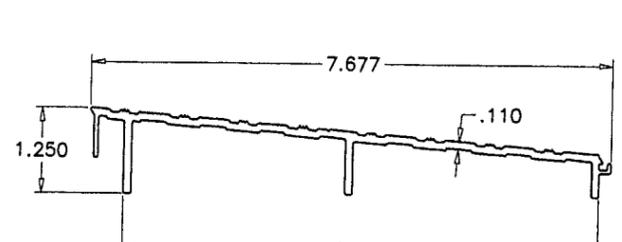


⑦

ALT. THRESHOLD

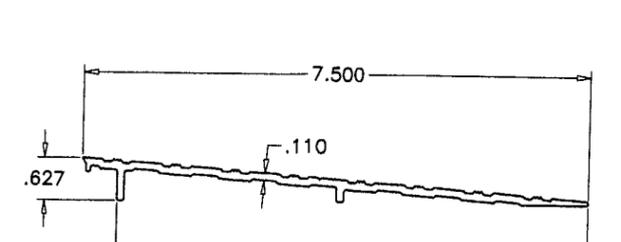


⑧



⑨

THRESHOLD RAMP (OPTIONAL)



⑩

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 STRUCTURES  
 FLA. PE # 16557  
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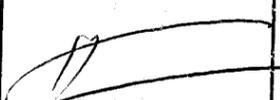
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 chk. by:

drawing no.  
**W04-07**

sheet 8 of 10

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E9-0601	1	FRAME HEAD	6063-T5	YKK AP AMERICA
2	E9-0501	AS REQD.	FRAME TRANSOM	6063-T5	YKK AP AMERICA
2A	E9-0514	AS REQD.	ALT. FRAME TRANSOM	6063-T5	YKK AP AMERICA
3	E9-0504	2	FRAME JAMB	6063-T5	YKK AP AMERICA
4	E9-0487	1	BUMPER THRESHOLD	6063-T5	YKK AP AMERICA
5	E9-0502	1	ALT. THRESHOLD	6063-T5	YKK AP AMERICA
6	E9-0503	1	THRESHOLD ATTACHMENT	6063-T5	YKK AP AMERICA
7	E9-0611	1	SILL FLASHING	6063-T5	YKK AP AMERICA
8	-	AS REQD.	RAMP PIECE 1	6063-T5	YKK AP AMERICA
9	-	AS REQD.	RAMP PIECE 2	6063-T5	YKK AP AMERICA
10	-	AS REQD.	RAMP PIECE 3	6063-T5	YKK AP AMERICA
11	E9-0220	1/ LEAF	TOP RAIL	6063-T5	YKK AP AMERICA
12	E9-0221	1/ LEAF	BOTTOM RAIL	6063-T5	YKK AP AMERICA
13	E9-0222	1 OR 2/ LEAF	HINGE STILE	6063-T5	YKK AP AMERICA
14	E9-0223	1	LOCK STILE (ACTIVE) @ DOUBLE DOORS	6063-T5	YKK AP AMERICA
15	E9-0230	1	LOCK STILE (IN-ACTIVE) @ DOUBLE DOORS	6063-T5	YKK AP AMERICA
16	E9-0225	4/ LEAF	EXTERIOR GLASS STOP (DOOR)	6063-T5	YKK AP AMERICA
17	E9-0226	2/ LEAF	INTERIOR GLASS STOP (DOOR)	6063-T5	YKK AP AMERICA
18	E9-0506	AS REQD.	EXTERIOR GLASS STOP (TRANSOM JAMB)	6063-T5	YKK AP AMERICA
19	E9-0505	AS REQD.	INTERIOR GLASS STOP (TRANSOM JAMB)	6063-T5	YKK AP AMERICA
20	E9-0215	1/ DOOR	DOOR STOP	6063-T5	YKK AP AMERICA
21	E1-1071	AS REQD.	ANCHOR PLATE (HEAD), 7-1/2" LONG	6063-T5	YKK AP AMERICA
22	E1-1068A	AS REQD.	ANCHOR PLATE (JAMB), 2-1/2" LONG	6063-T5	YKK AP AMERICA
23	E1-0351	1/ LEAF	TOP RAIL JOINT CLIP, 2.453" LONG	6063-T5	YKK AP AMERICA
23A	E1-0352	1/ LEAF	BOTTOM RAIL JOINT CLIP, 4.516" LONG	6063-T5	YKK AP AMERICA
26	E2-0083	AS REQD.	EXTERIOR GLAZING GASKET	EPDM	-
27	E2-0088	AS REQD.	INTERIOR GLAZING GASKET	EPDM	-
30	E2-0086	3/ LEAF	SETTING BLOCK (DOOR)	EPDM	-
31	E2-0080	AS REQD.	SETTING BLOCK (TRANSOM)	EPDM	-
32	E2-0051	AS REQD.	BULB W'STRIPPING	PVC	-
33	E2-0093	AS REQD.	ASTRAGAL GASKET	EPDM	FOR WATER RESISTANT DOORS ONLY
34	E2-0087	AS REQD.	PILE W'STRIPPING	-	-
35	E2-0062	AS REQD.	PILE W'STRIPPING	-	-
37	E1-0311	2/ LEAF	BACK PLATE FOR SHEAR BLOCK TOP	STEEL	-
38	E1-0312	2/ LEAF	BACK PLATE FOR SHEAR BLOCK BOTTOM	STEEL	-
39	H-2301	3 OR 4/ LEAF	BUTT HINGE KIT INCLUDING SCREWS	BRASS	SEE SHEET 5 FOR QUANTITY
40	E1-0357	3 OR 4/ LEAF	HINGE BACKER PLATE	6063-T5	SEE SHEET 5 FOR QUANTITY
42	PC-1216	AS REQD.	FRAME ASSEMBLY SCREWS	STEEL	#12 X 1" PH SMS
43	PC-1408	2	THRESHOLD SCREWS	STEEL	#14 X 1/2" PH SMS
44	FC 1008	AS REQD.	THRESHOLD SCREWS	STEEL	#10 X 1/2" FH SMS
45	E1-1062	AS REQD.	REINFORCING CHANNEL	STEEL	1-1/2" X 4-1/2" X 3/16"
46	E1-	AS REQD.	REINFORCING ANGLE	STEEL	-
47	E1-1066	2	THRESHOLD CLIP	STEEL	3-1/8" X 2" X 12 GA., 1-1/4" LONG

Approved as complying with the  
Florida Building Code  
Date: 05/20/04  
NOA# 04-0227-03  
Miami Dade Product Control  
Division  
*Charles W. Armon*

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538  
  
MAR 29 2004

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\W04-07YKK

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**YKK AP AMERICA INC.**  
332 FIRETOWER ROAD  
DUBLIN, GEORGIA 31021  
TEL (478) 277-1955 FAX (478) 277-1978

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**YKK AP**

35H ALUMINUM OUTSWING ENTRANCE DOOR (S.M.I.)

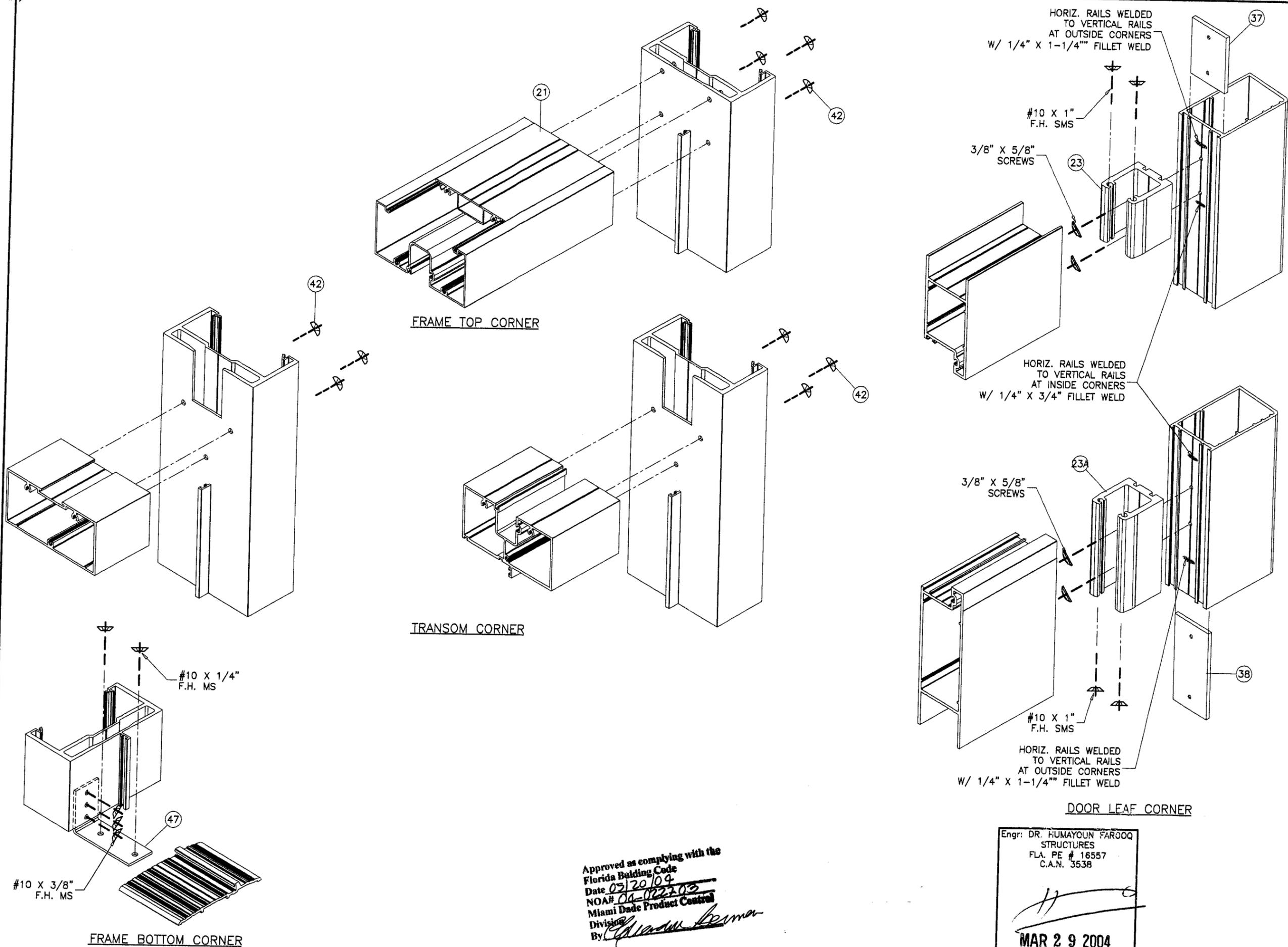
no	date	description
A	03.26.04	NO CHANGE THIS SHEET

revisions:

date: 01-23-04  
scale: 3/8" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W04-07**

sheet 9 of 10



HORIZ. RAILS WELDED TO VERTICAL RAILS AT OUTSIDE CORNERS W/ 1/4" X 1-1/4" FILLET WELD

#10 X 1" F.H. SMS

3/8" X 5/8" SCREWS

HORIZ. RAILS WELDED TO VERTICAL RAILS AT INSIDE CORNERS W/ 1/4" X 3/4" FILLET WELD

3/8" X 5/8" SCREWS

#10 X 1" F.H. SMS

HORIZ. RAILS WELDED TO VERTICAL RAILS AT OUTSIDE CORNERS W/ 1/4" X 1-1/4" FILLET WELD

DOOR LEAF CORNER

#10 X 1/4" F.H. MS

#10 X 3/8" F.H. MS

FRAME BOTTOM CORNER

Approved as complying with the Florida Building Code  
 Date 03/20/04  
 NOA# 04-022703  
 Miami Dade Product Control Division  
 By *Edman Perma*

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

*[Signature]*  
 MAR 29 2004

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 ENGINEERS, PLANNERS & PRODUCT DESIGN  
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no.	date	by	description
A	03.26.04		NO CHANGE THIS SHEET

date: 01-23-04  
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**W04-07**

sheet 10 of 10

*afc*

COMP-ANL\W04-07YKK