



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
www.miamidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

Delta Doors Manufacturing Co.
7500 NW 69th Ave
Miami, FL 33166

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "BAL-350" Single Outswing Aluminum Entrance Door-Impact

APPROVAL DOCUMENT: Drawing NO. **W04-85**, titled "Series-BAL-350 Alum Entrance Door (SMI)", sheets 1 through 5 of 5, prepared by Al Farooq Corporation, dated 10-08-04 and last revised on June 09, 2008, signed and sealed by Dr. Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Small Missile Impact Resistant

Limitation:

1. This door with frame can be installed in Delta Door storefront or Miami-Dade approved storefront system having current NOA, to be reviewed by AHJ. Lower design pressure shall control.
2. Units are rated to max. DP=100 psf with the frame jamb item #2 (5"x1").

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 & supersedes** NOA # **08-0618.05** consists of this page 1 and evidence sheet E-1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

NOA No 09-0413.02
Expiration Date: November 03, 2010
Approval Date: May 13, 2009

4/21/09



NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS (transferred from file # 08-0618.05)

1. Manufacturer's die drawings and sections.
2. Drawing NO. **W04-85**, titled "Series-BAL-350 Alum Entrance Door (SMD)", sheets 1 through 5 of 5, prepared by Al Farooq Corporation, dated 10-08-04 and last revised on June 09, 2008, signed and sealed by Dr. Humayoun Farooq, P.E.

B. TESTS (transferred from file # 08-0618.05)

1. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Water Infiltration Resistant Test per FBC, TAS 202-94
 - 3) Uniform Static Air Pressure Test, Loading 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 aluminum outswing entrance doors, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. Test Reports No. **FTL-4595**, dated 04/18/05 and **FTL-4256**, dated 07/20/04, both signed and sealed by Edmundo Largaespada, P. E.

C. CALCULATIONS (transferred from file # 08-0618.05)

1. Anchor verification, comparative and structural analysis, prepared by AL- Farooq Corporation, dated 06/09/08, signed and sealed by Dr. Humayoun Farooq, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **08-0520.08** issued to Solutia, Inc. for "Vanceva Composites", expiring on 12/11/13.
2. Notice of Acceptance No. **05-1208.02** issued to "E.I. DuPont Denemours" for "DuPont Butacite ® PVB" dated 02/15/01, expiring on 12/11/10.
3. Glazing complies w/ ASTM-E-1300-02

F. STATEMENTS

1. Statement letter of code compliance to FBC 2004/2007 and "No financial interest", dated 06-05-08 signed and sealed by Dr. Humayoun Farooq, P.E.
2. Statement letter of Lab compliance, as a part of above referenced test reports

G. OTHER

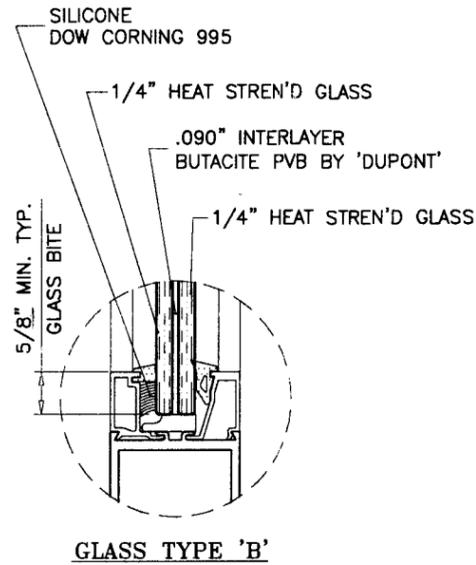
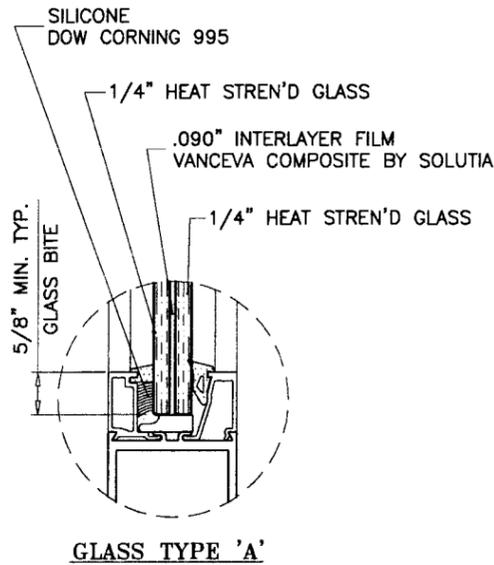
1. This NOA **revises & supersedes** NOA # **08-0618.05**, expiring 11-03-2010.
2. Previous NOA # 05-0902.04
3. Test proposals # 02-0472 & # 06-0182, issued by BCCO.

Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Examiner
NOA No 09-0413.02
Expiration Date: November 03, 2010
Approval Date: May 13, 2009

NOMINAL DIMS.		DESIGN LOAD CAPACITY-PSF	
LEAF HEIGHT INCHES	LEAF WIDTH INCHES	EXT.(+)	INT.(-)
80	24	120.0	120.0
	30	120.0	120.0
	36	120.0	120.0
	42	120.0	120.0
84	24	120.0	120.0
	30	120.0	120.0
	36	120.0	120.0
	42	120.0	120.0
90	24	120.0	120.0
	30	120.0	120.0
	36	120.0	120.0
	42	120.0	120.0
96	24	120.0	120.0
	30	120.0	120.0
	36	120.0	120.0
	42	112.5	112.5
102	24	120.0	120.0
	30	120.0	120.0
	36	120.0	120.0
	42	105.9	105.9
108	24	120.0	120.0
	30	120.0	120.0
	36	116.7	116.7
	42	100.0	100.0

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



GLAZING OPTIONS

SERIES BAL-350

ALUMINUM OUT-SWING ENTRANCE DOOR

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).

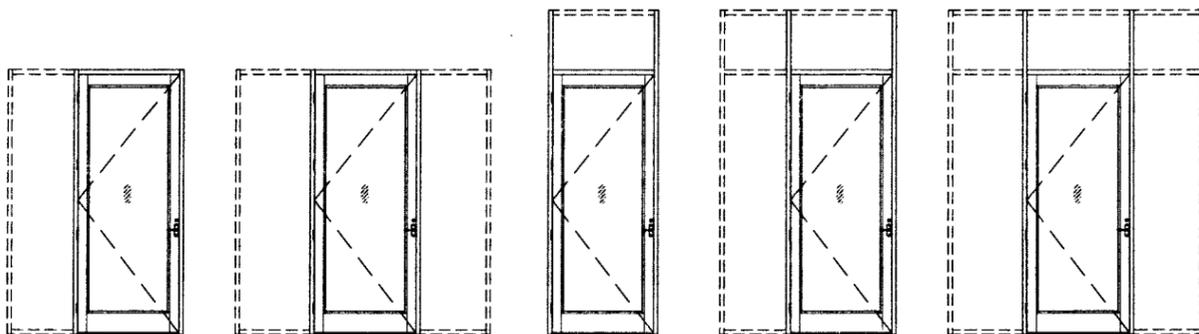
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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

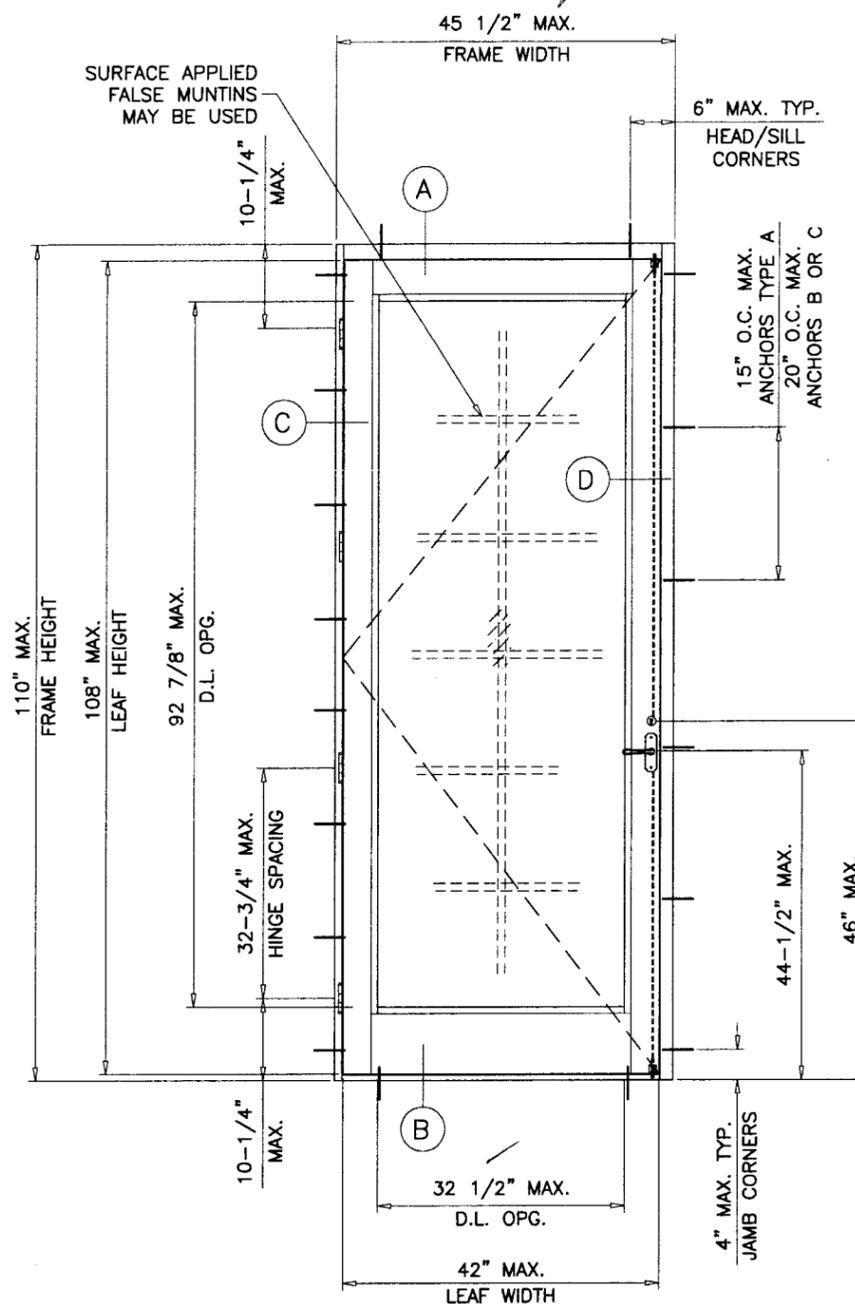
ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

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 2004/2007 FLORIDA BLDG. CODE SECTION 2003.8.4.



BALCONY DOOR CAN BE USED WITH TRANSOM AND SIDELITES.
FOR LIMITATIONS SEE SEPARATE MIAMI-DADE COUNTY NOA.



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

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

JUN 09 2008

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 09-0413.02
Expiration Date 11/03/2010
By: *Ishag I. Lhanda*
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\W04-85DD

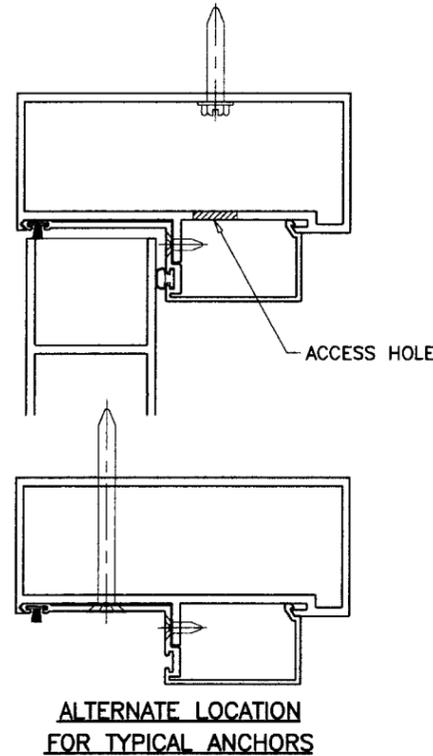
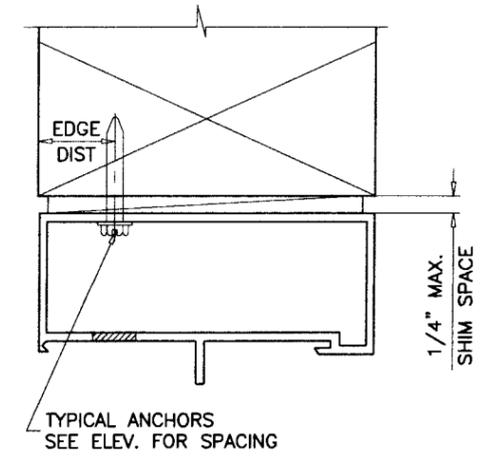
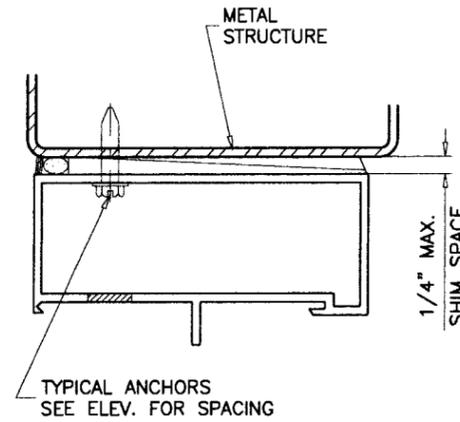
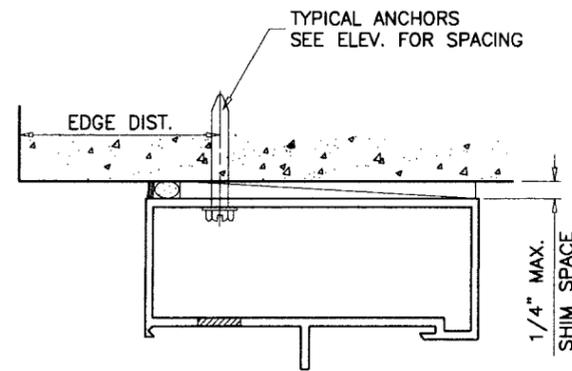
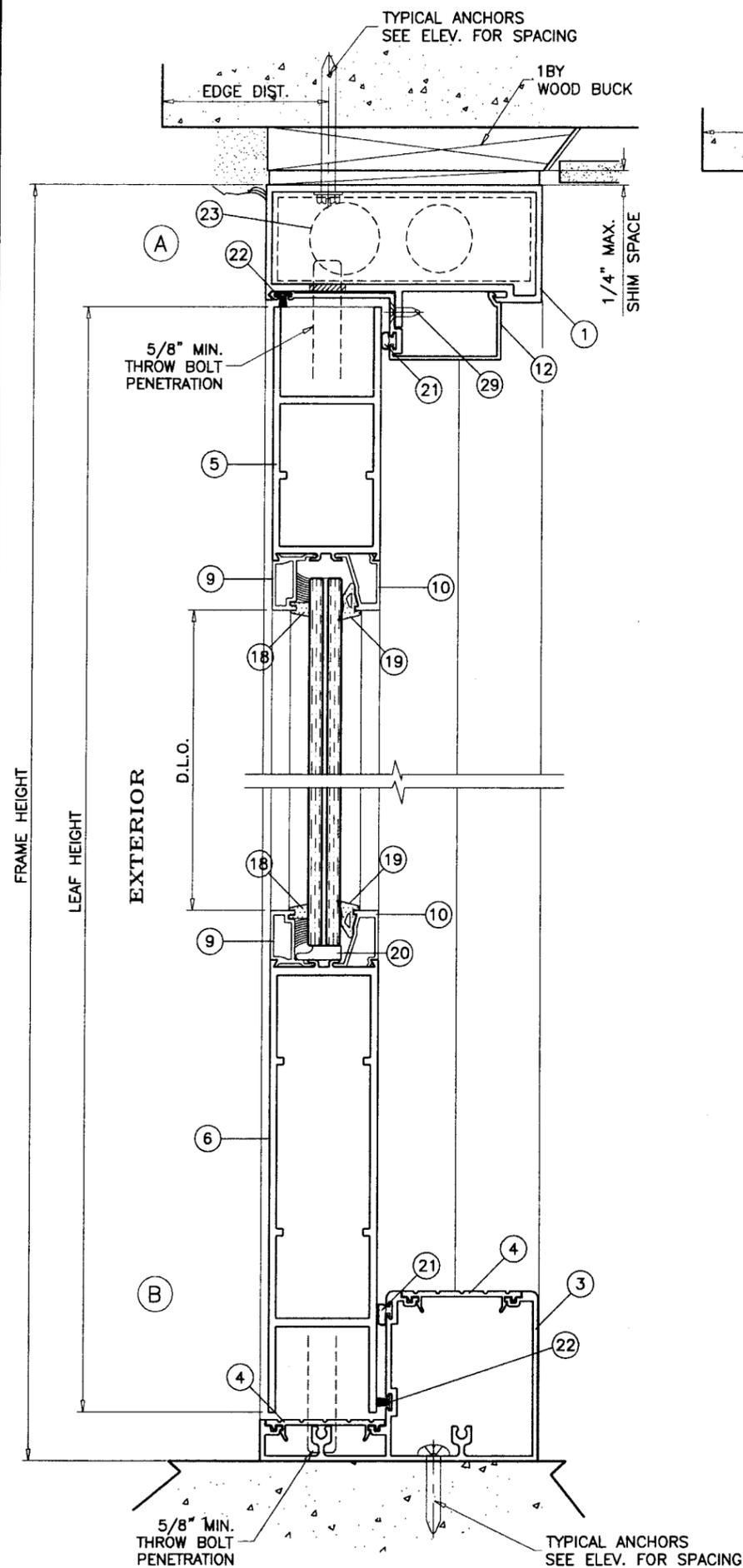
SERIES BAL-350 ALUM ENTRANCE DOOR (S.M.I.)
DELTA DOORS
7191 N.W. 77 TERR.
MIAMI, FL 33166
TEL. (305) 888-0077 FAX. (305) 884-3111

no	date	description
A	10.17.05	NO CHANGE THIS SHEET
B	06.05.08	UPDATED FOR 2007 FBC

revisions:
date: 10-08-04
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W04-85

sheet 1 of 5



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-1/2" MIN. PENETRATION INTO WOOD THRU 1BY BUCKS INTO CONC. OR MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

TYPE 'B' - 1/4" DIA. ULTRACON BY 'ELCO' DIRECTLY INTO CONC. OR MASONRY 1-3/8" MIN. EMBED INTO CONC. OR MASONRY

TYPE 'C' - #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS) 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)

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

CONCRETE f'c = 3000 PSI MIN.
 MASONRY f'm = 1500 PSI MIN.

SEALANTS:
 FRAME CORNERS, ASSEMBLY SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH SEALER. LEAF JOINTS SEALED WITH SILICONE.

LOCK:
 THREE POINT LOCK SYSTEM WITH SURFACE MOUNT HANDLE AT 44-1/2" FROM BOTTOM.
 DEAD BOLT LOCK KEY OPERATED ON EXTERIOR AND THUMBTURN ON INTERIOR, AT 46" FROM BOTTOM.

WOOD BUCKS AND METAL STRUCTURES NOT BY DELTA DOORS, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

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

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 09-0413.02 Expiration Date 11/03/2010
 By *Ishag J. Chaudhry*
 Miami Dade Product Control Division

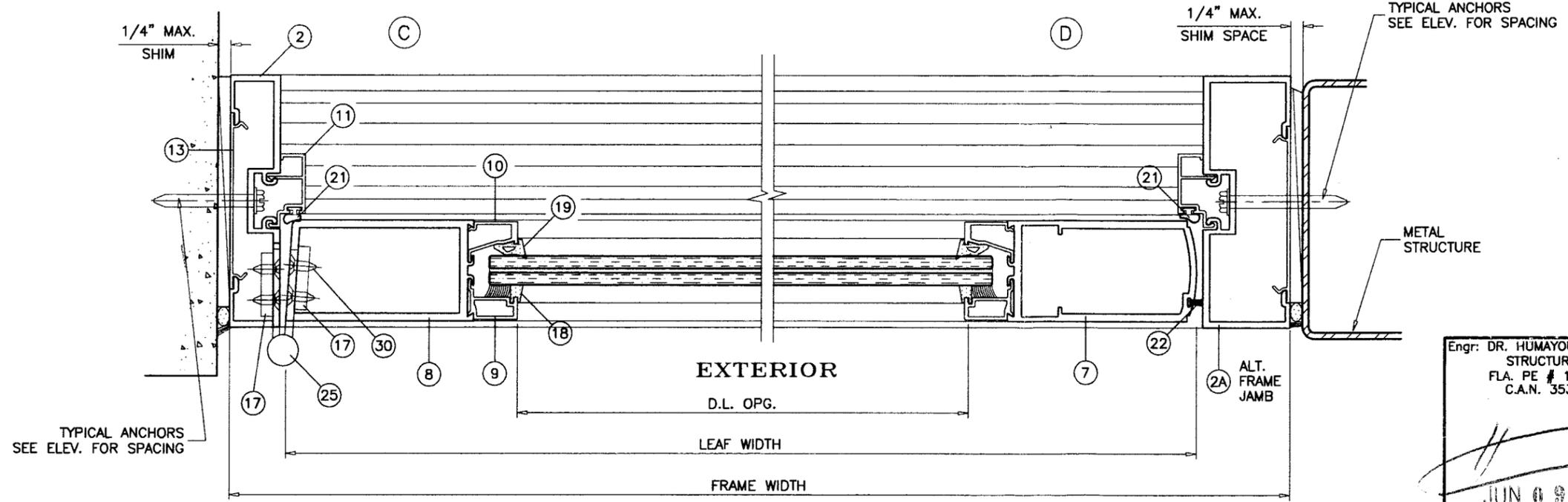
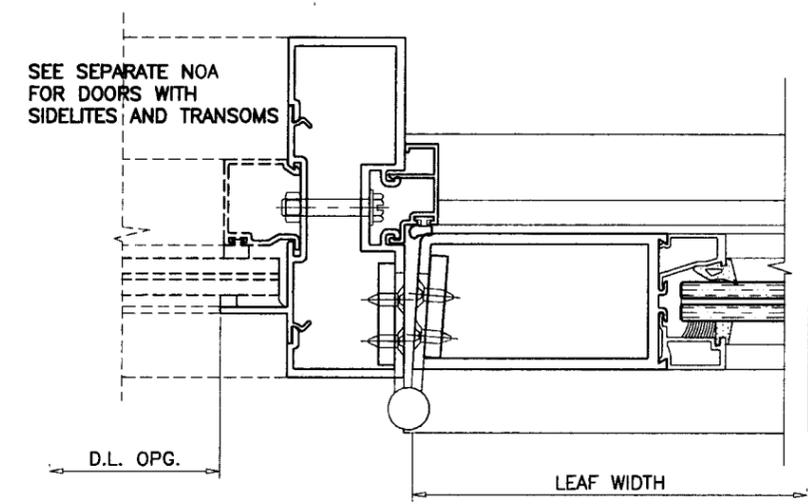
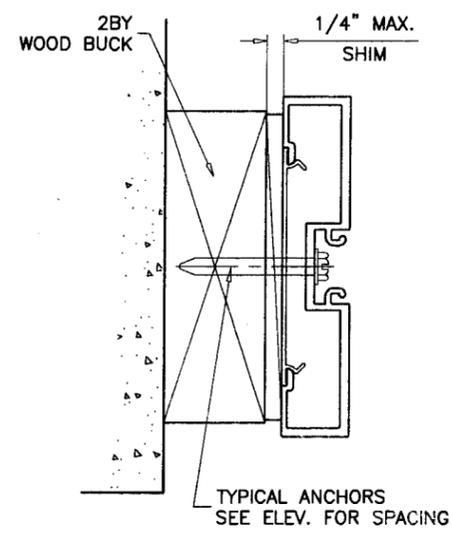
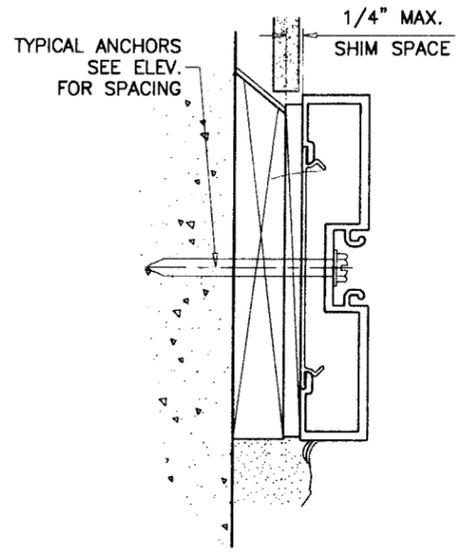
JUN 09 2008

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\W04-85DD

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 7191 N.W. 77 TERR.
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no	date	by	description
A	10.17.05		REV. PER BCCO COMMENTS
B	06.05.08		UPDATED FOR 2007 FBC

date: 10-08-04
 scale: 3/8" = 1"
 dr. by: HAMID
 chk. by:
 drawing no. **W04-85**
 sheet 2 of 5



ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	DLD-105	1	FRAME HEAD	6063-T6	-
2	DLD-119	2	FRAME JAMB	6063-T6	-
2A	DLD-124	2	ALT. FRAME JAMB	6063-T6	-
3	DLD-122	1	FRAME SILL	6063-T6	-
4	DLD-123	1	SILL FILLER	6063-T6	-
5	DLD-107M	1/ LEAF	TOP RAIL	6063-T6	-
6	DLD-110M	1/ LEAF	BOTTOM RAIL	6063-T6	-
7	DLD-115	1/ LEAF	LOCK STILE	6063-T6	-
8	DLD-114	1/ LEAF	HINGE STILE	6063-T6	-
9	DLD-108M	4/ LEAF	EXTERIOR GLASS STOP	6063-T6	-
10	DLD-109M	4/ LEAF	INTERIOR GLASS STOP	6063-T6	-
11	BCE-460	2/ DOOR	DOOR STOP JAMB	6063-T6	-
12	DLD-106	1/ DOOR	DOOR STOP HEAD	6063-T6	-
13	BCE-475	AS REQD.	FLAT FILLER, 2-1/2" LONG	6063-T5	AT ANCHOR LOCATIONS
14	DH-6	-	END CAP ANGLE	ALUMINUM	4 11/16" LONG
15	DH-4	-	SHEAR BLOCK CHANNEL	ALUMINUM	4 11/16" LONG
16	DLD-3	-	SHEAR CLIP	6063-T5	-
17	-	-	HINGE REINFORCING PLATE	ALUMINUM	1-1/4" X 1/4" X 8" LONG
17A	#12 X 1/2"	4/ PLATE	HINGE PLATE SCREWS	-	FH MS
18	TR-5399S	-	EXTERIOR GASKET	DUROMETER SILICONE	-
19	TR-3235E	-	INTERIOR GASKET	DUROMETER EPDM	-
20	995	-	GLAZING COMPOUND	SILICONE	DOW CORNING
21	BW-75	AS REQD.	BULB W'STRIPPING	VINYL	.375" H X .270 T-SLOT
22	T4216-K	AS REQD.	PILE W'STRIPPING	-	-
23	3031	AS REQD.	OVERHEAD CONCEALED CLOSURE	-	REGENT
24	1350	-	SETTING BLOCK	-	-
25	-	4/ LEAF	BUTT HINGES (4-1/2" X 4")	-	HAGER USA
26	#12 X 1-1/4"	AS REQD.	FRAME ASSEMBLY SCREWS	-	P.H. SMS
27	#12 X 1-1/4"	AS REQD.	FRAME ASSEMBLY SCREWS	-	F.H. SMS
28	1/4-20 X 5/8"	AS REQD.	FRAME ASSEMBLY SCREWS	-	H.H. MACHINE SCREWS
29	10-24 X 1/2"	4/ LEAF	DOOR STOP SCREWS	-	F.H. MACHINE SCREWS
30	12-24 X 1/2"	4/ HASP	HINGE INSTALLATION SCREWS	-	F.H. MACHINE SCREWS

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
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By Ighas J. Chanda
Miami Dade Product Control
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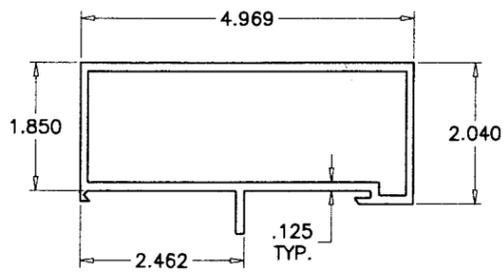
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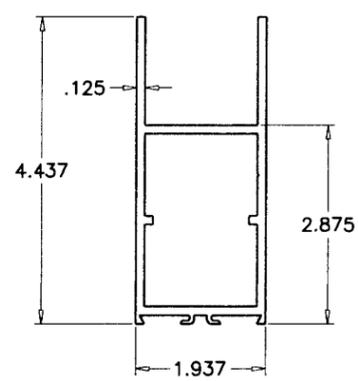
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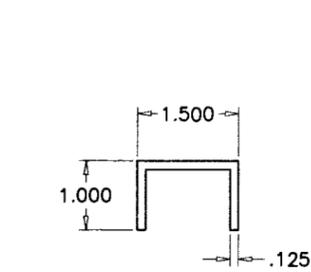
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W04-85
sheet 3 of 5



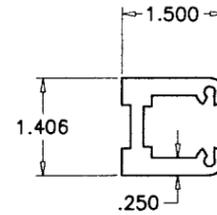
1 FRAME HEAD



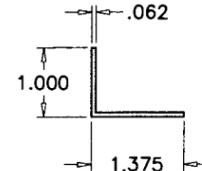
5 TOP RAIL



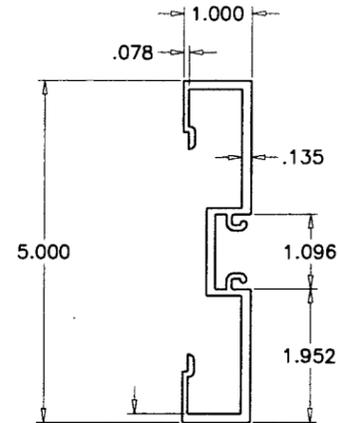
15 SHEAR BLOCK



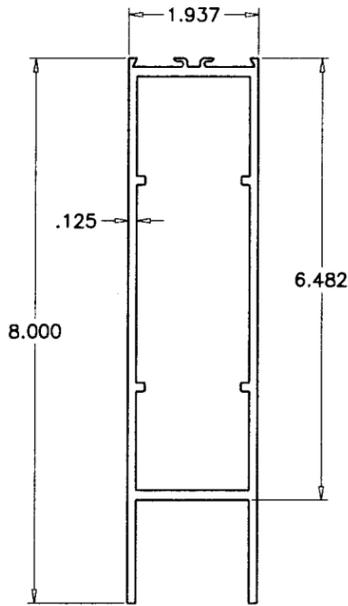
16 SHEAR CLIP



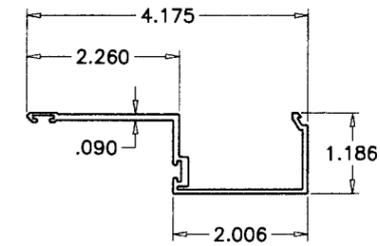
14 END CAP ANGLE



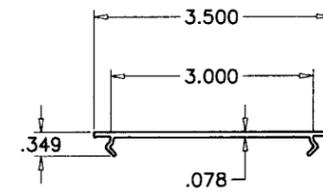
2 FRAME JAMB



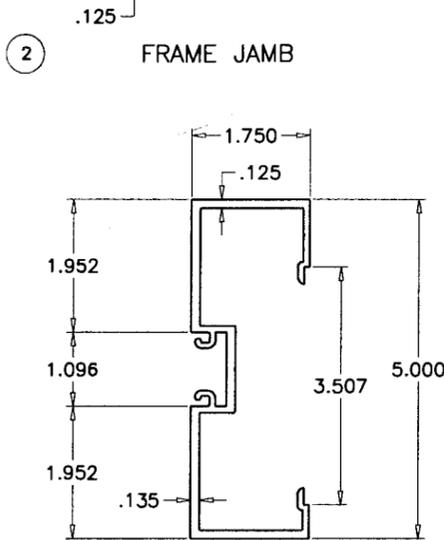
6 BOTTOM RAIL



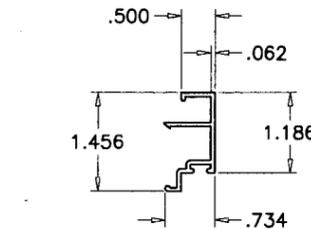
12 DOOR STOP JAMB



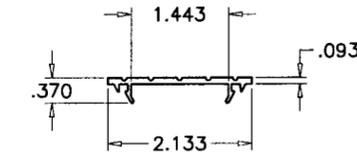
13 FLAT FILLER



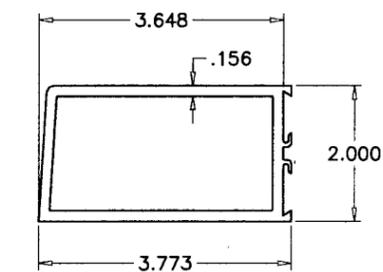
2A ALT. FRAME JAMB



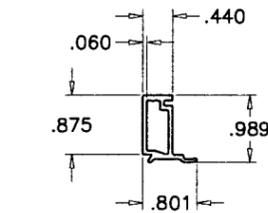
11 DOOR STOP JAMB



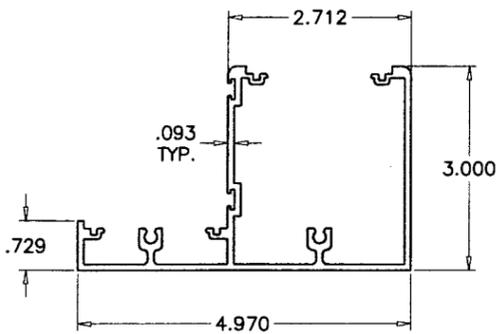
4 SILL FILLER



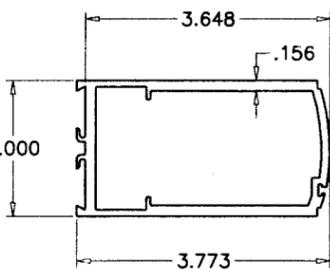
8 HINGE STILE



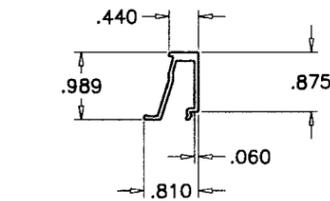
9 EXTERIOR GLASS STOP



3 FRAME SILL



7 LOCK STILE



10 INTERIOR GLASS STOP

Engr. DR. HUMAYOON FAROOQ
STRUCTURES
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PRODUCT REVIEW
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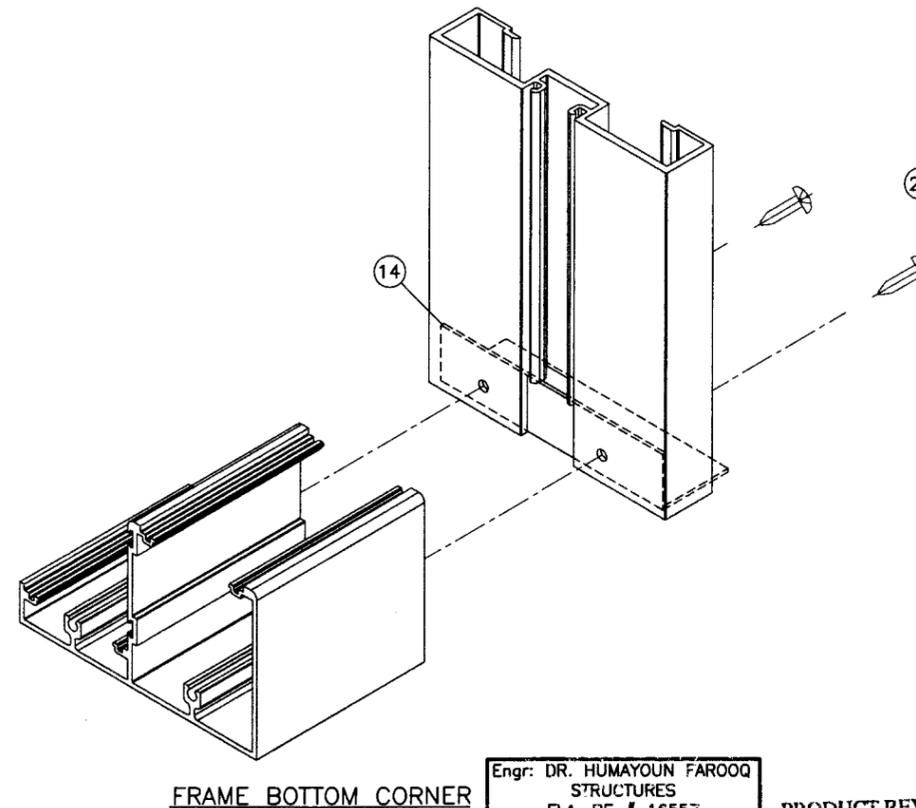
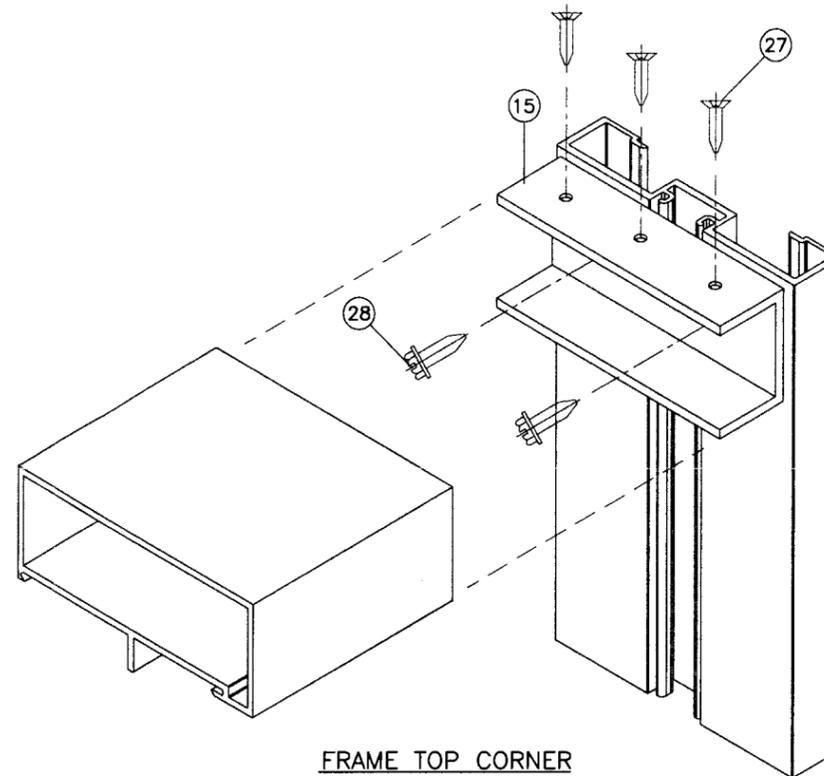
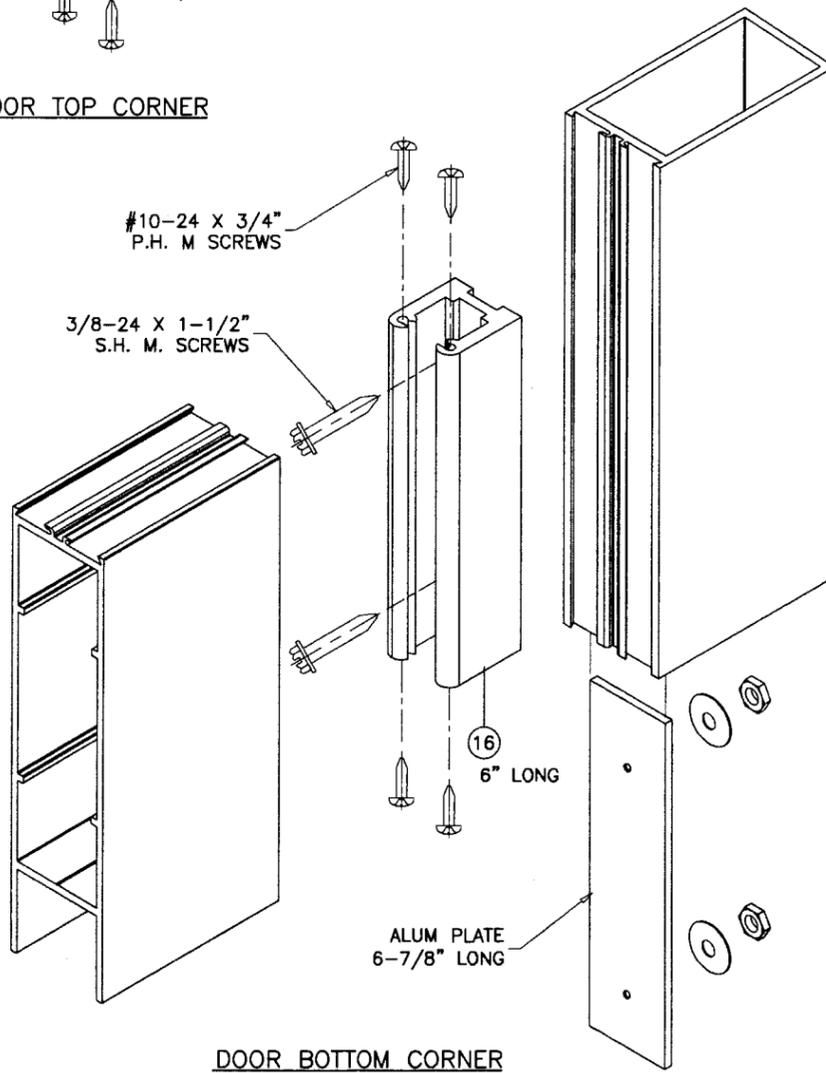
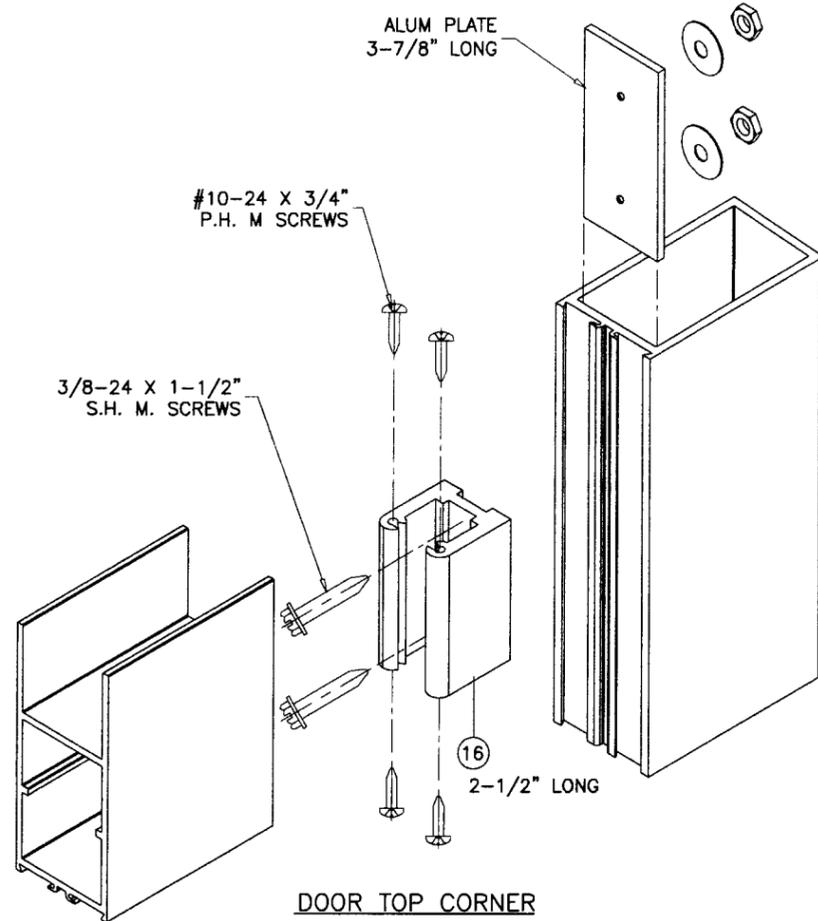
AL-FAROOQ CORPORATION
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SERIES BAL-350 ALUM ENTRANCE DOOR (S.M.I.)
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revisions:	no	date	by	description
A	10.17.05			REV. PER BCCO COMMENTS
B	06.05.08			UPDATED FOR 2007 FBC

date: 10-08-04
scale: 3/8" = 1"
dr. by: HAMID
chk. by:

drawing no.
W04-85
sheet 4 of 5

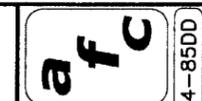


Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

JUN 09 2008

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0413-02
Expiration Date 11/23/2010

By *Y. Chandra*
Miami Dade Product Control
Division



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