



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](http://www.miamidade.gov/buildingcode)

**NOTICE OF ACCEPTANCE (NOA)**

**Delta Doors Manufacturing Co.**  
 7500 NW 69<sup>th</sup> 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. **W04-72**, titled "Series-BAL-350 Alum Entrance Door", sheets 1 through 5 of 5, prepared by Al Farooq Corporation, dated 08-13-04 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: Large 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.

**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 # **08-0618.04** 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 09-0413.01  
 Expiration Date: March 24, 2010  
 Approval Date: May 06, 2009  
 Page 1



4/16/09

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

- A. DRAWINGS** (transferred from file # **08-0618.04**)
1. Manufacturer's die drawings and sections.
  2. Drawing NO. **W04-72**, titled "Series-BAL-350 Alum Entrance Door", sheets 1 through 5 of 5, prepared by Al Farooq Corporation, dated 08-13-04 and last revised on June 09, 2008, signed and sealed by Dr. Humayoun Farooq, P. E.
- B. TESTS** (transferred from file # **08-0618.04**)
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) Large 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 and inswing entrance doors, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-4263**, dated 07/20/04, **FTL-4320** dated 09/15/04 and **FTL-5047** dated 11-09-06, all signed and sealed by Edmundo Largaespada, P. E.
- C. CALCULATIONS** (transferred from file # **08-0618.04**)
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 glass interlayer", expiring on 12/11/13.
  2. Glazing complies w/ ASTM E-1300-02 &-04
- 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 # **08-0618.04**, expiring 03-24-2010.
  2. Previous NOA # 05-0110.01
  2. Test proposals # 02-0472 & # 06-0182, issued by BCCO.

*Ishaq I. Chanda*

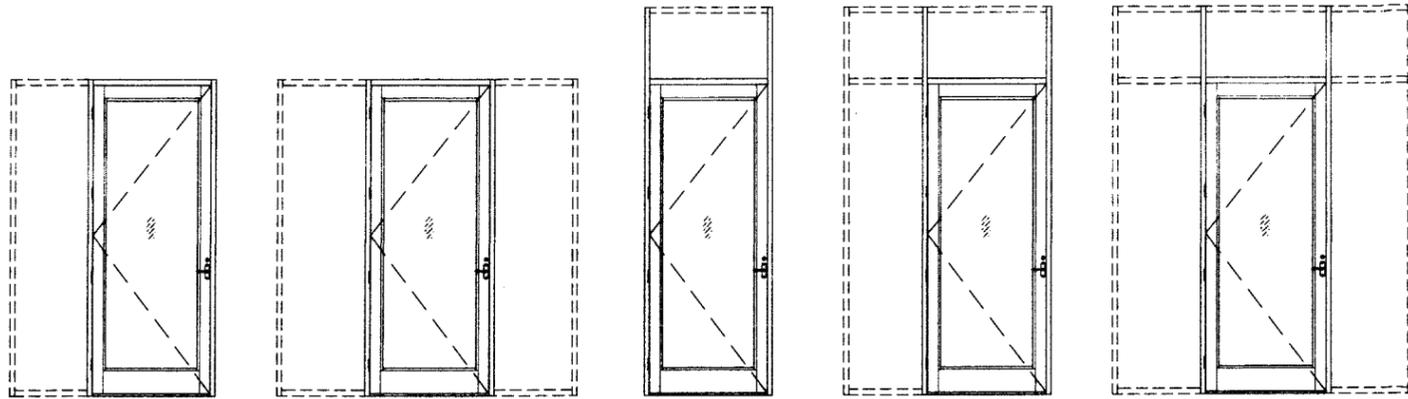
Ishaq I. Chanda, P. E.

Product Control Examiner

NOA No 09-0413.01

Expiration Date: March 24, 2010

Approval Date: May 06, 2009



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

DOORS GLAZED WITH LAMINATED GLASS RATED FOR  
LARGE MISSILE IMPACT AND REQUIRE NO SHUTTERS.

**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).

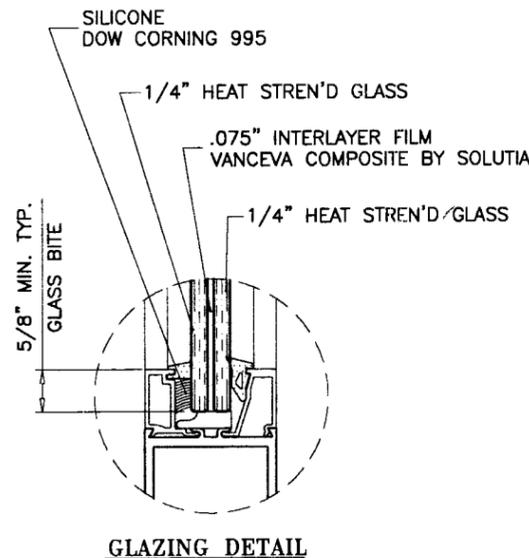
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER  
LOADS TO THE STRUCTURE.

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.

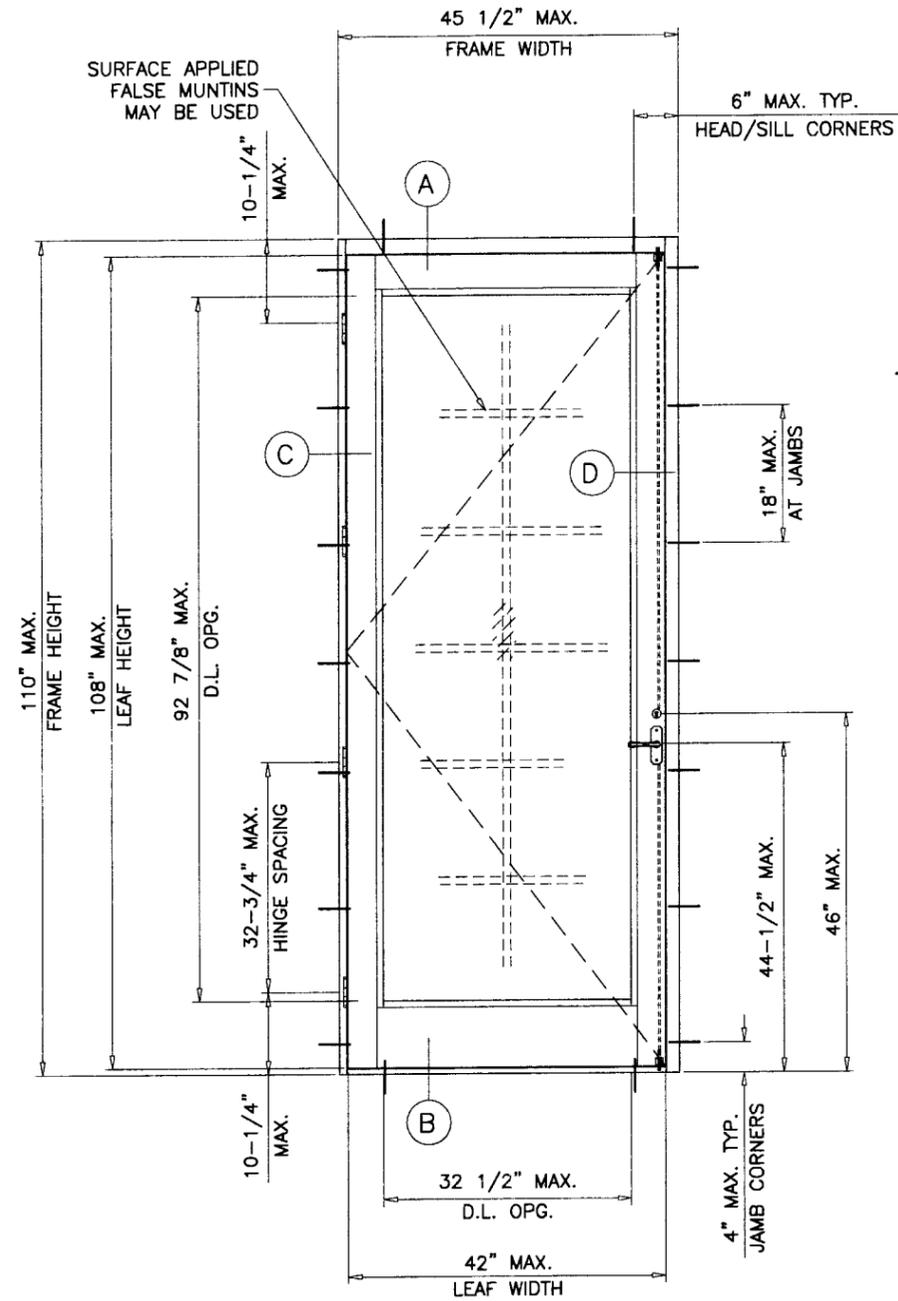
A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF  
ANCHORS INTO WOOD ONLY.

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.



**GLAZING DETAIL**

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



( X )  
**TYPICAL ELEVATION**

MAXIMUM DESIGN LOAD RATING = + 100.0 PSF  
(FOR SIZES SHOWN ABOVE OR SMALLER) - 100.0 PSF

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. 09-0413.01  
Expiration Date 05/24/2010  
By *Ismael Chande*  
Miami Dade Product Control  
Division

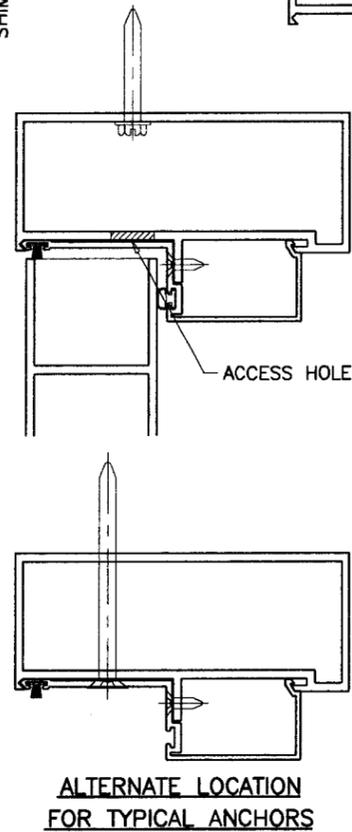
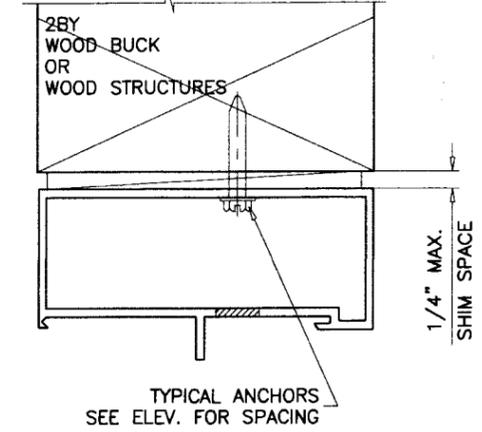
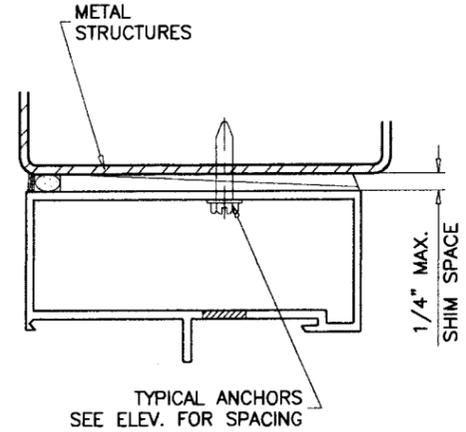
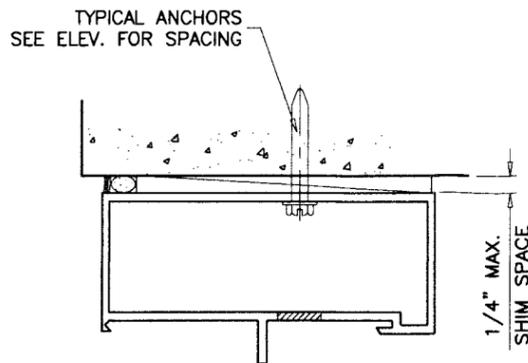
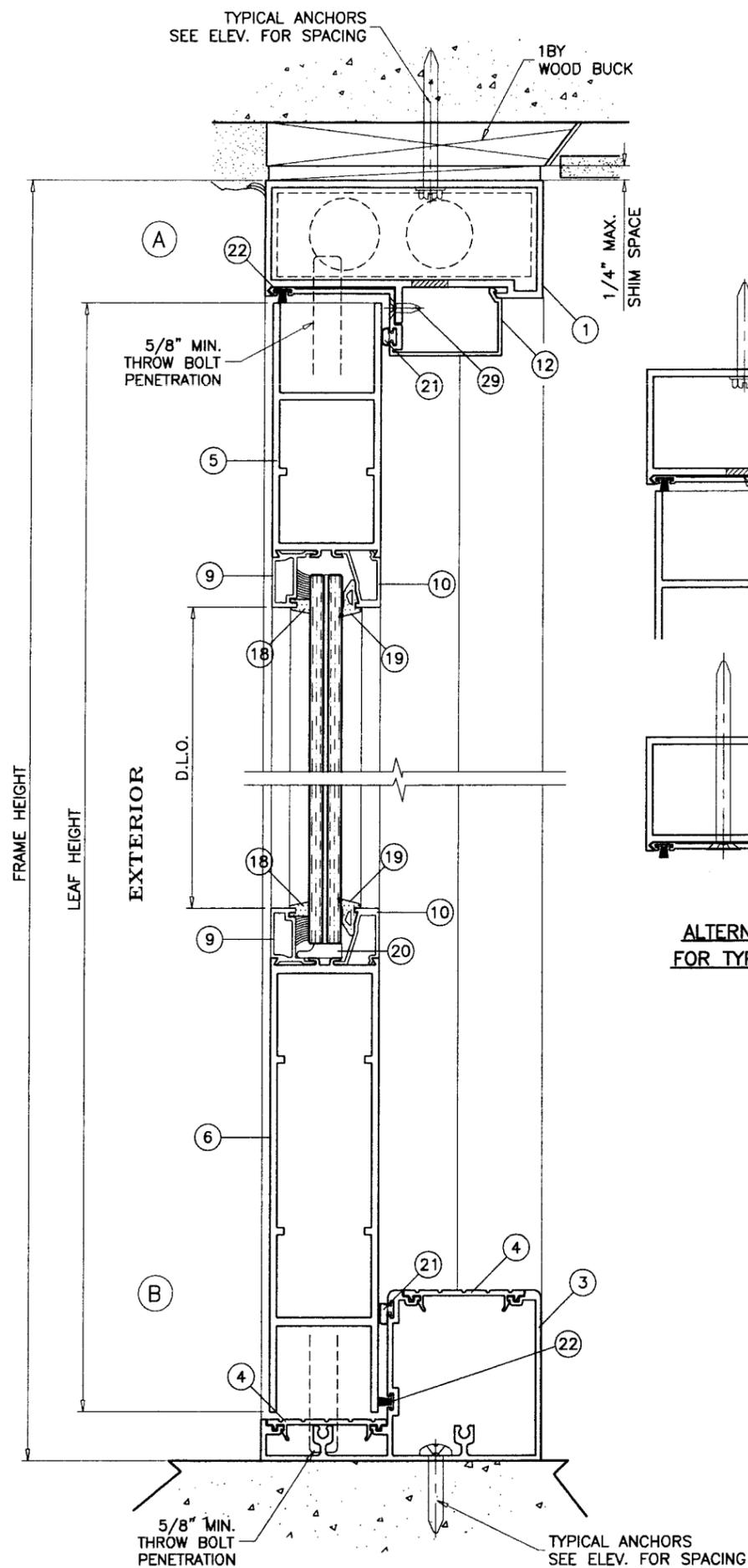
**afc**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W04-72DD

SERIES BAL-350 ALUM ENTRANCE DOOR (L.M.I.)  
**DELTA DOORS**  
7500 N.W. 69TH AVE.  
MIAMI, FL 33166  
TEL. (305) 888-0077 FAX. (305) 884-3111

revisions:	no	date	description
	A	10.05.08	UPDATED FOR 2007 FBC

date: 08-13-04  
scale: 1/2" = 1'-0"  
dr. by: HAMID  
chk. by:

drawing no.  
**W04-72**  
sheet 1 of 5



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

**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.

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 09-0413.01  
 Expiration Date 03/24/2010  
 By Ishaq J. Chande  
 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/W04-72DD

SERIES BAL-350 ALUM ENTRANCE DOOR (L.M.I.)

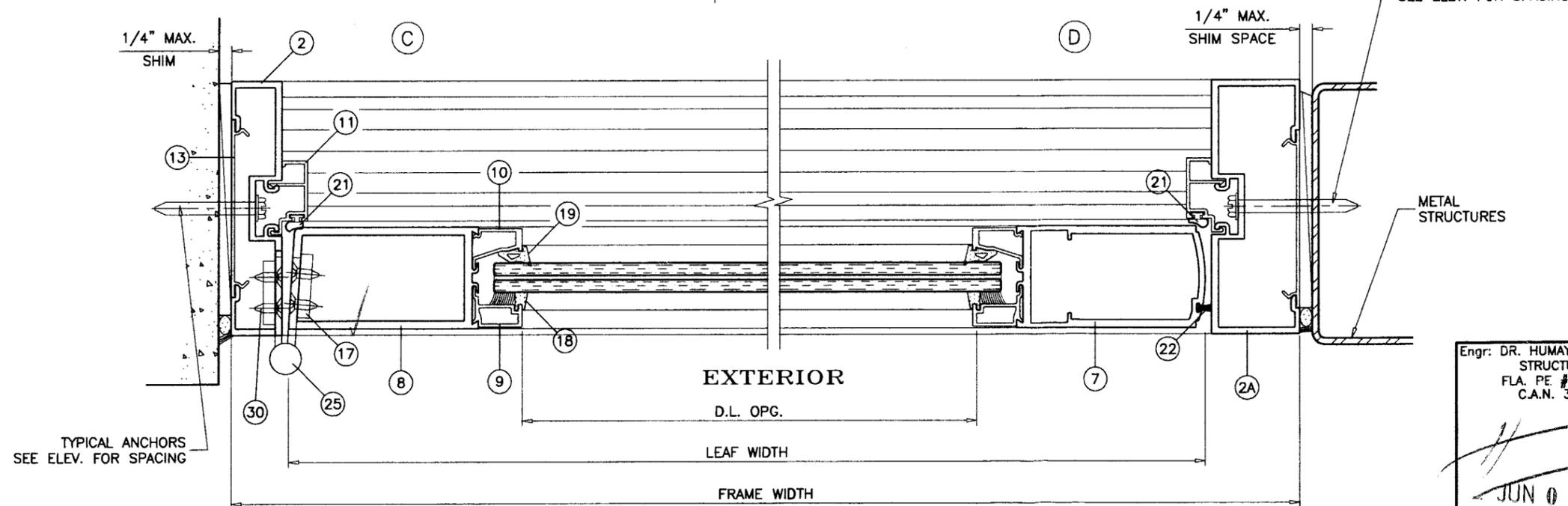
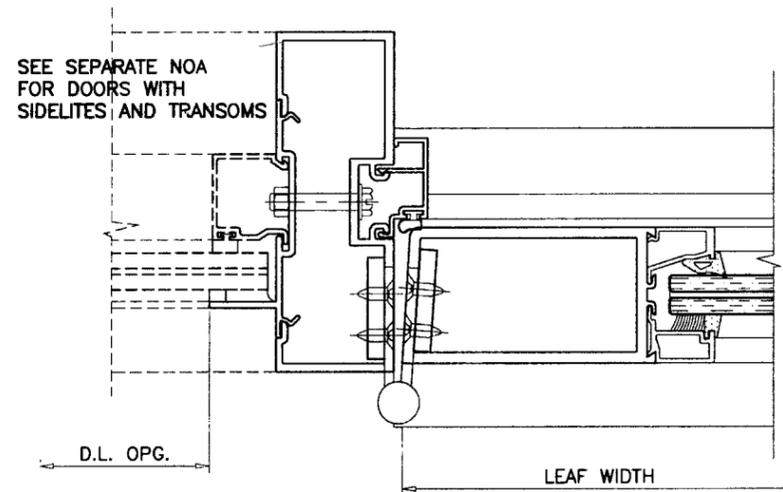
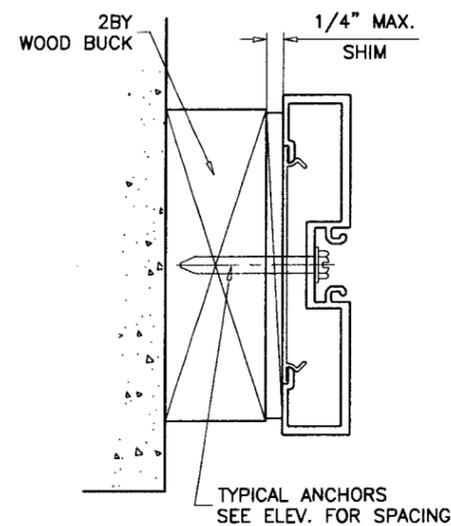
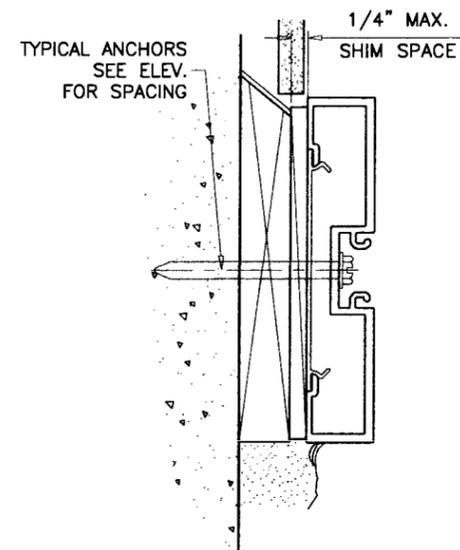
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revisions:	no	date	by	description
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date: 08-13-04  
 scale: 3/8" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no.  
**W04-72**

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-T6	AT ANCHOR LOCATIONS
14	-	-	-	-	-
15	-	-	SHEAR BLOCK, 4-11/16" LONG	ALUMINUM	-
16	DLD-3	-	SHEAR CLIP	6063-T5	-
17	-	-	HINGE REINFORCING PLATE	ALUMINUM	1-1/4" X 1/4" X 8" LONG
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	-	-	-	-	-
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 *Ishtay J. Chande*  
 Miami Dade Product Control  
 Division

**afC**

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SERIES BAL-350 ALUM ENTRANCE DOOR (L.M.I.)

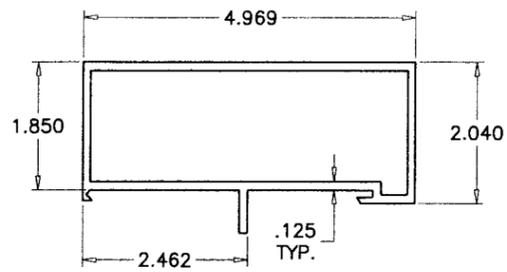
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Revisions:  
 no. date by description  
 A 06.05.08 06.05.08 UPDATED FOR 2007 FBC

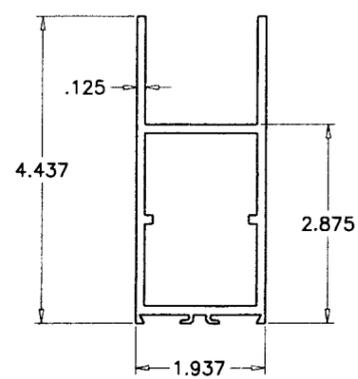
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 chk. by:

drawing no.  
**W04-72**

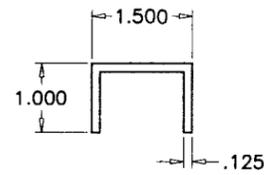
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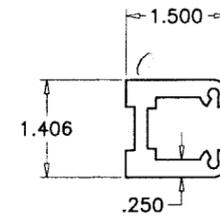
1 FRAME HEAD



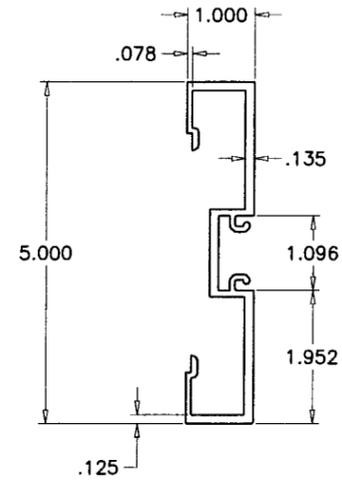
5 TOP RAIL



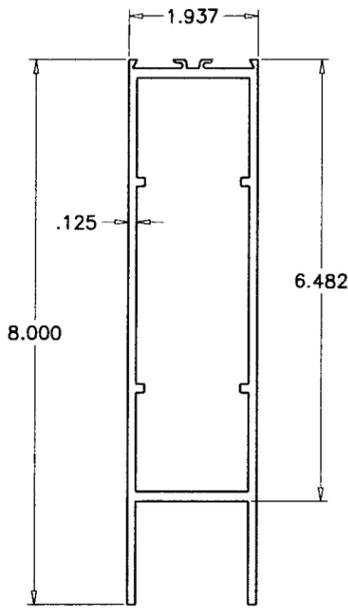
15 SHEAR BLOCK



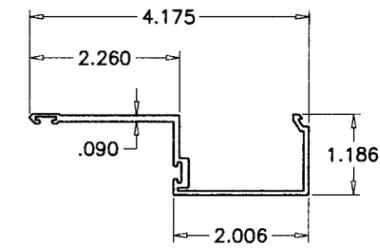
16 SHEAR CLIP



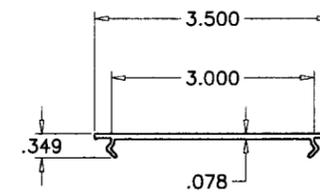
2 FRAME JAMB



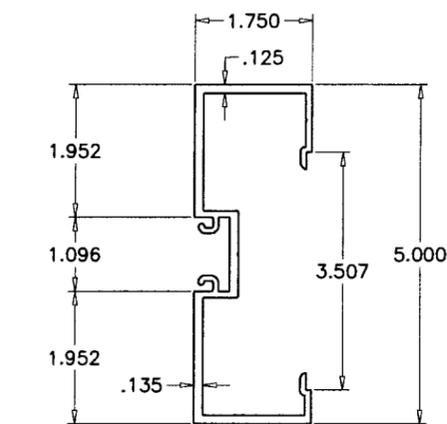
6 BOTTOM RAIL



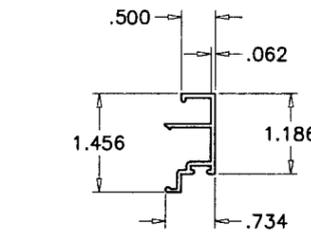
12 DOOR STOP JAMB



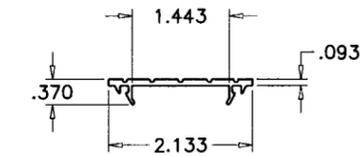
13 FLAT FILLER



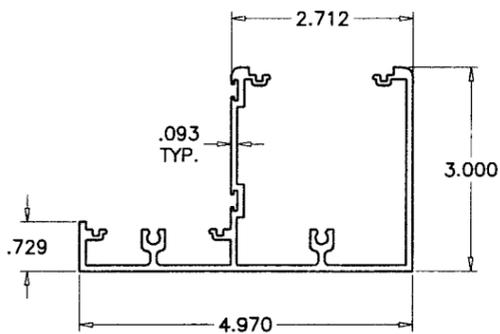
2A ALT. FRAME JAMB



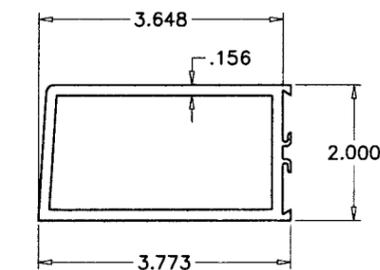
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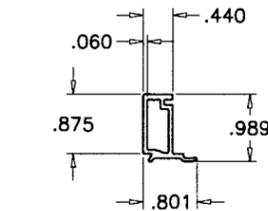
4 SILL FILLER



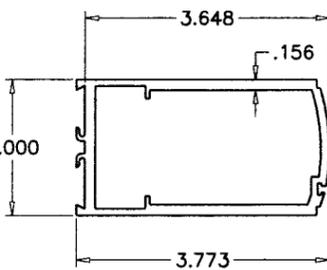
3 FRAME SILL



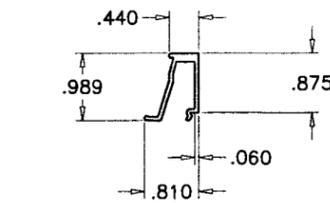
8 HINGE STILE



9 EXTERIOR GLASS STOP



7 LOCK STILE



10 INTERIOR GLASS STOP

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
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Miami Dade Product Control  
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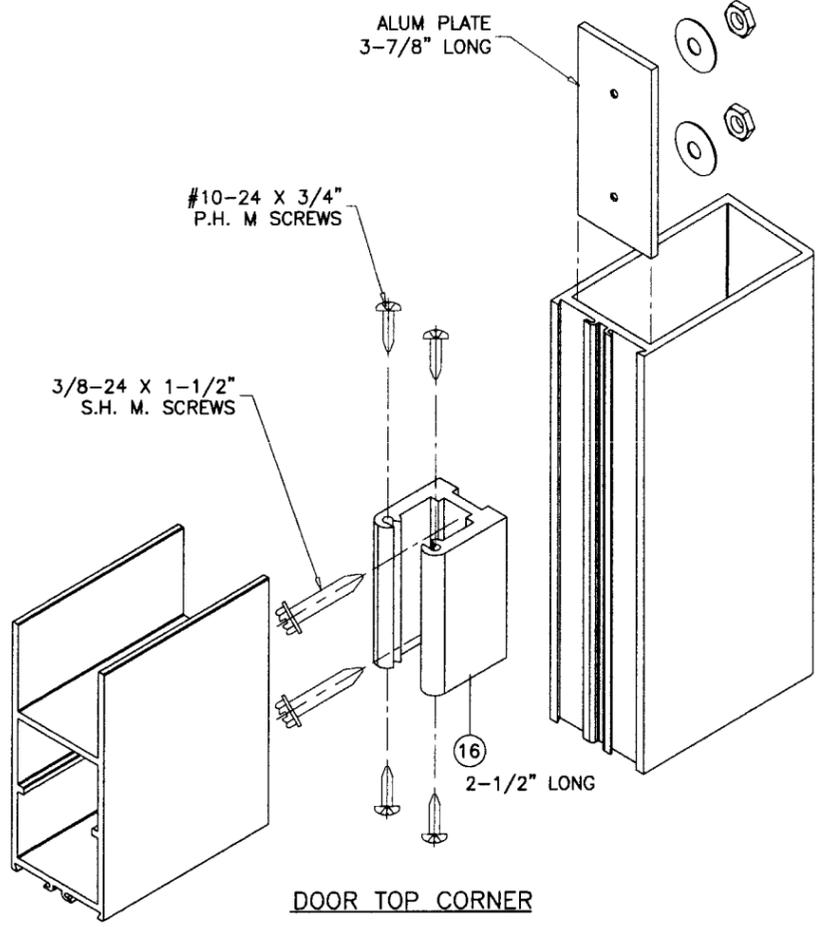
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no	date	by	description
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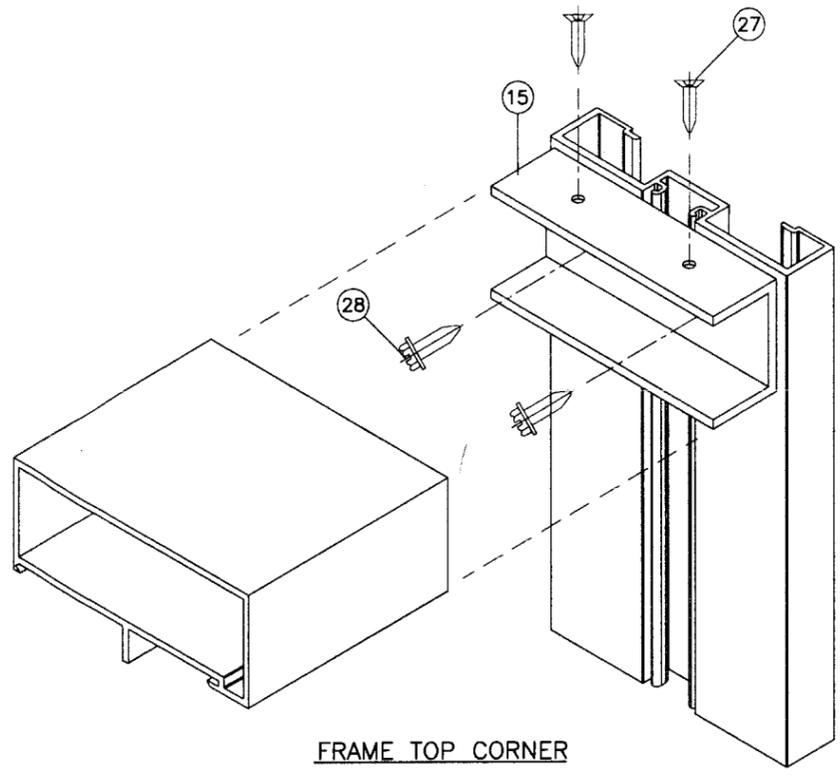
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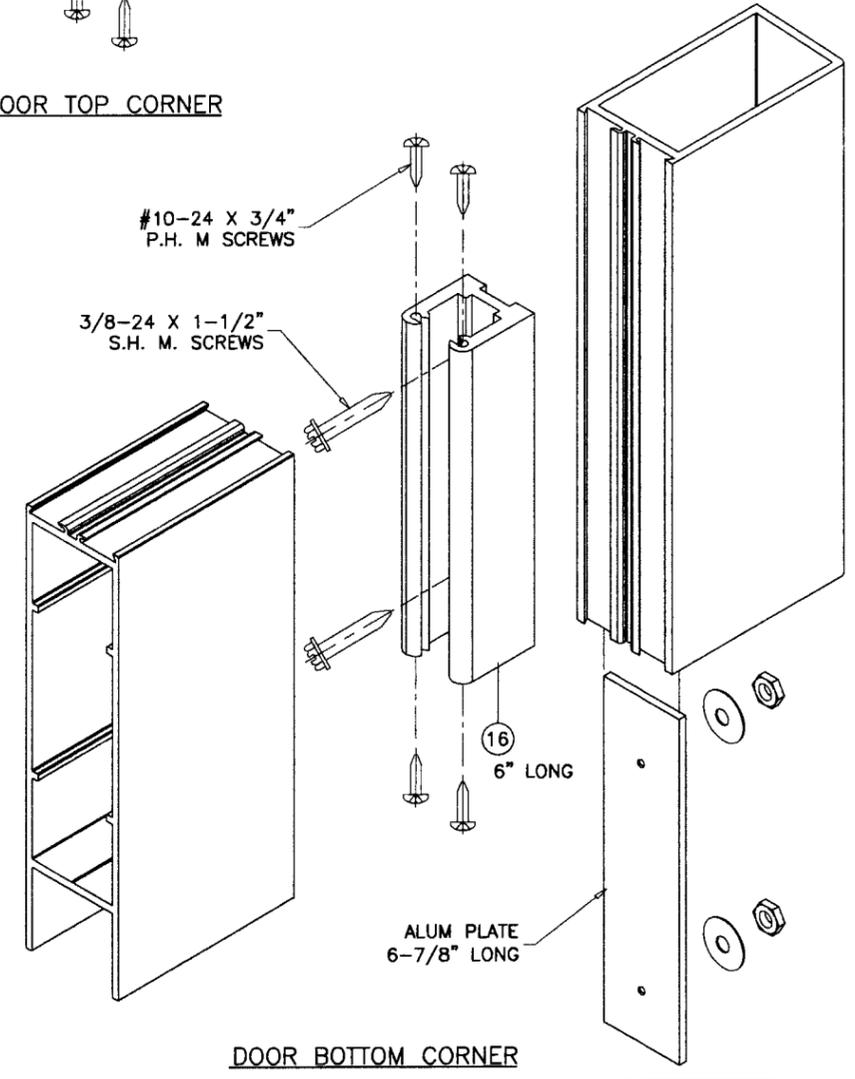
sheet 4 of 5



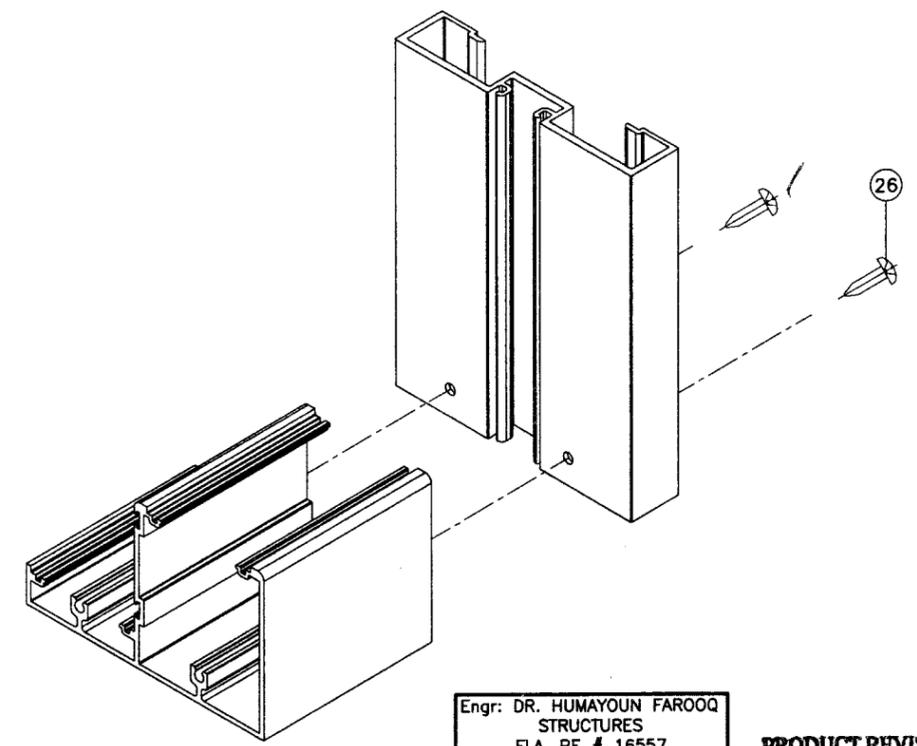
DOOR TOP CORNER



FRAME TOP CORNER



DOOR BOTTOM CORNER

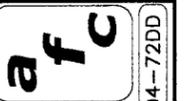


FRAME BOTTOM CORNER

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

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 09-0413.01  
Expiration Date 03/24/2010  
By Ishag I. Chaudhry  
Miami Dade Product Control  
Division

JUN 09 2008



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W04-72DD

SERIES BAL-350 ALUM ENTRANCE DOOR (L.M.I.)  
**DELTA DOORS**  
7500 N.W. 69TH AVE.  
MIAMI, FL 33166  
TEL. (305) 888-0077 FAX. (305) 884-3111

no	date	by	description
A	06.05.08		UPDATED FOR 2007 FBC

date: 08-13-04  
scale: 3/8" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W04-72**

sheet 5 of 5