



MIAMI-DADE COUNTY
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)

Firedoor Division of Ark II manufacturing, LLC
7400 N. W. 13th Avenue
Miami, Fl. 33147

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 "3070F" Single Inswing Commercial Steel Door-Impact

APPROVAL DOCUMENT: Drawing No. **W05-09** titled "Series 3070 In-Swing Commercial Steel Entrance Door" Sheets 1 through 5 of 5, prepared by Al-Farooq Corporation, dated 02-17-05 and last revised on August 12, 2008, signed and sealed by Dr. Humayuon 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 and Small Missile Impact Resistant

Limitation:

1. Option 4: Inswing Monarch 19-R Panic Exit device will only be permitted in location with ALCOVE/BAFFLED Entry System, where a direct Missile Impact is not possible and area behind door is designed for internal pressure.

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 and replaces # 05-0426.05 and 05-1129.08** consists of this page 1 as well as approval document mentioned above.

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



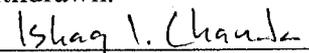
9/2/08

NOA No 08-0820.16
Expiration Date: July 28, 2010
Approval Date: September 25, 2008

Firedoor Division of Ark II manufacturing, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- A. DRAWINGS** (Transferred from # 05-0426.05 & 05-1129.08)
1. Manufacturers die drawings and sections.
 2. Drawing No. **W05-09** titled "Series 3070 In-Swing Commercial Steel Entrance Door" Sheets 1 thru 5 of 5, prepared by Al-Farooq Corporation, dated 02-17-05 and last revised on Aug.12, 2008, signed & sealed by Dr. Humayuon Farooq, P. E.
- B. TESTS** (Transferred from # 05-0426.05 & & 05-1129.08)
1. Test reports on
 - 1) Air Infiltration Test, per FBC TAS 202-94
 - 2) Uniform Static Air Pressure Test Loading per FBCTAS 202-94
 - 3) Water Resistance Test, per FBC TAS 202-94
 - 4) Large Missile Impact Test, FBC TAS 201-94
 - 5) Cyclic Loading Test, per FBC TAS 203-94
- Along with installation diagram of single inswing steel commercial door, marked-up by Fenestration Testing Laboratories, Inc. Test Reports Nos. **FTL 4336 (FTL04155)**, dated 10/14/04, signed and sealed by Edmundo Largaespada, P.E.
- C. CALCULATIONS** ((Transferred from # 05-0426.05 & 05-1129.08)
1. Anchor verification dated Nov 03, 2005 prepared by Al-Farooq Corporation, complying w/ FBC 2004 edition, signed and sealed by Dr. Humayuon Farooq, P.E.
 2. Anchor Calculations and structural analysis, prepared by Al-Farooq Corporation, dated 03/04/05, signed and sealed by Dr. Humayuon Farooq, P.E. (Transferred from # 05-0426.05)
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO)
- E. MATERIAL CERTIFICATIONS** (Transferred from # 05-0426.05 & 05-1129.08)
1. Tensile test report #2, prepared by Fenestration Testing Laboratories, report No. FTL4584 (04156), dated June 08, 2005 for Steel samples, tested per ASTM E-A370-97-a, signed and sealed by Edmundo Largaespada, P.E.
 2. Notice of Acceptance No. 01-1108.09 issued to Apache Products Company for "EPS-Expanded Polystyrene Insulation", expiring on 01/11/2007.
- E. STATEMENTS** (Transferred from # 05-0426.05)
1. Statement letter of compliance to FBC 2004, dated 10-21, 2005 prepared by Al-Farooq Corporation, signed and sealed by Dr. Humayuon Farooq, P.E.
 2. Statement Letter of conformance and letter of "No financial interest to test Lab" issued by Al-Farooq Corporation, both letters dated January 06, 2003, signed and sealed by Dr. Humayuon Farooq, P.E.
 3. Statement letter of compliance, as part of above referenced test report, issued by Fenestration testing laboratory.
- G. OTHER**
1. This NOA **revises & replaces** # **05-0426.05** and **05-1129.08**, expiring June 12, 2008.
 2. Test Proposal # 04-0277, dated May 25, 2004, approved by BCCO.
 3. Previous NOA(s) # **05-0426.05** and **05-1129.08** have been withdrawn.



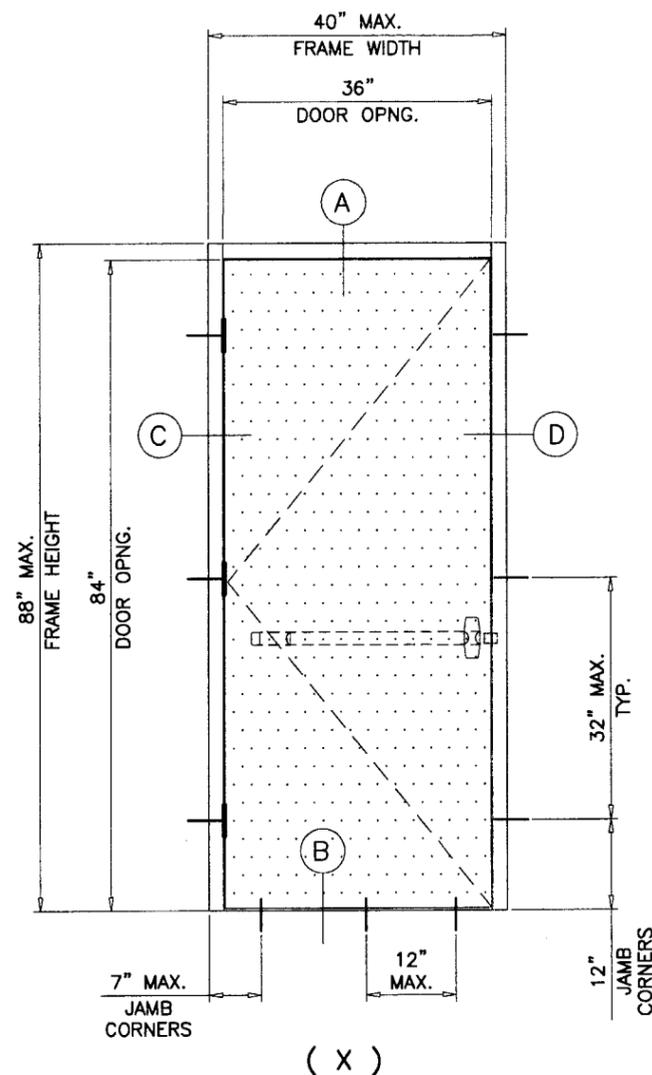
Ishaq I. Chanda, P.E.

Product Control Examiner

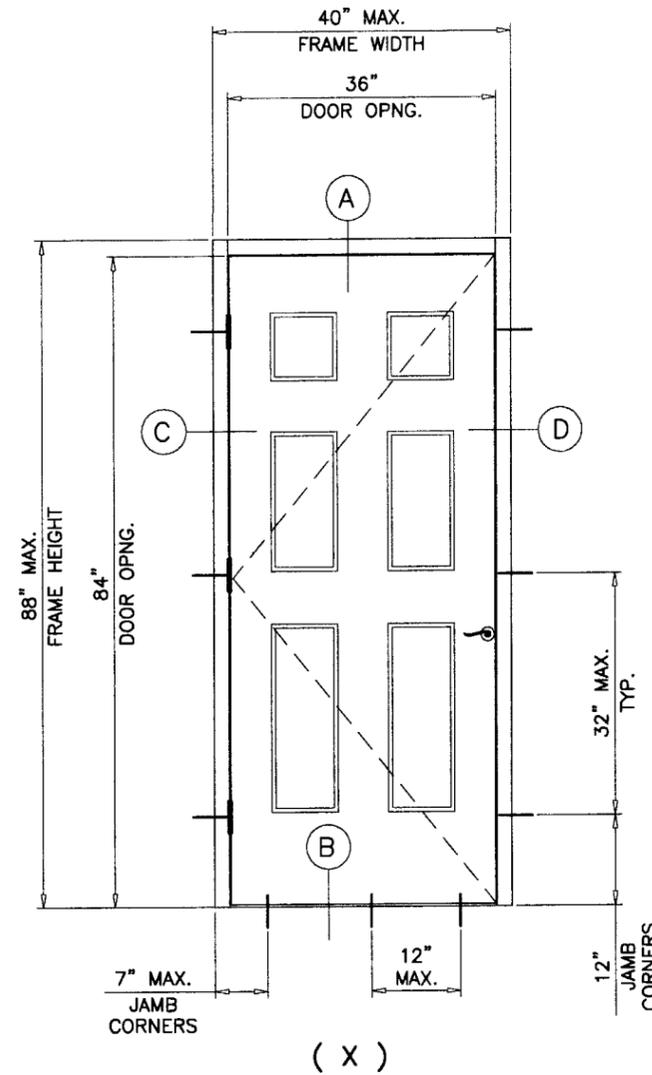
NOA No 08-0820.16

Expiration Date: July 28, 2010

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(X)
TYPICAL ELEVATION
FLUSH



(X)
TYPICAL ELEVATION
EMBOSED

MAXIMUM DESIGN LOAD RATING = + 75.0 PSF
(FOR SIZES SHOWN ABOVE OR SMALLER) - 75.0 PSF

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 08-0820.16
Expiration Date July 29, 2010
By Khag I. Chande
Miami Dade Product Control
Division

SERIES-3070F IN-SWING COMMERCIAL STEEL ENTRANCE DOOR

THIS PRODUCT RATED FOR LARGE MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION
RESISTANCE IS REQUIRED.

SEE SHEET 5 FOR VARIOUS FRAME SIZE OPTIONS.
FRAME JAMB TRIM (WIDTH) = 1-1/4" TO 2"
FRAME JAMB DEPTH = 5-3/4" TO 8-3/4"
FRAME HEAD TRIM (WIDTH) = 1-1/4" TO 4"

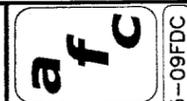
THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING
HIGH VELOCITY HURRICANE ZONE.

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.

Engr. DR. HUMAYGUN FAROOQ
STRUCTURES
FLA. FE # 16557
C.A.N. 3538

AUG 12 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\W05-09FDC

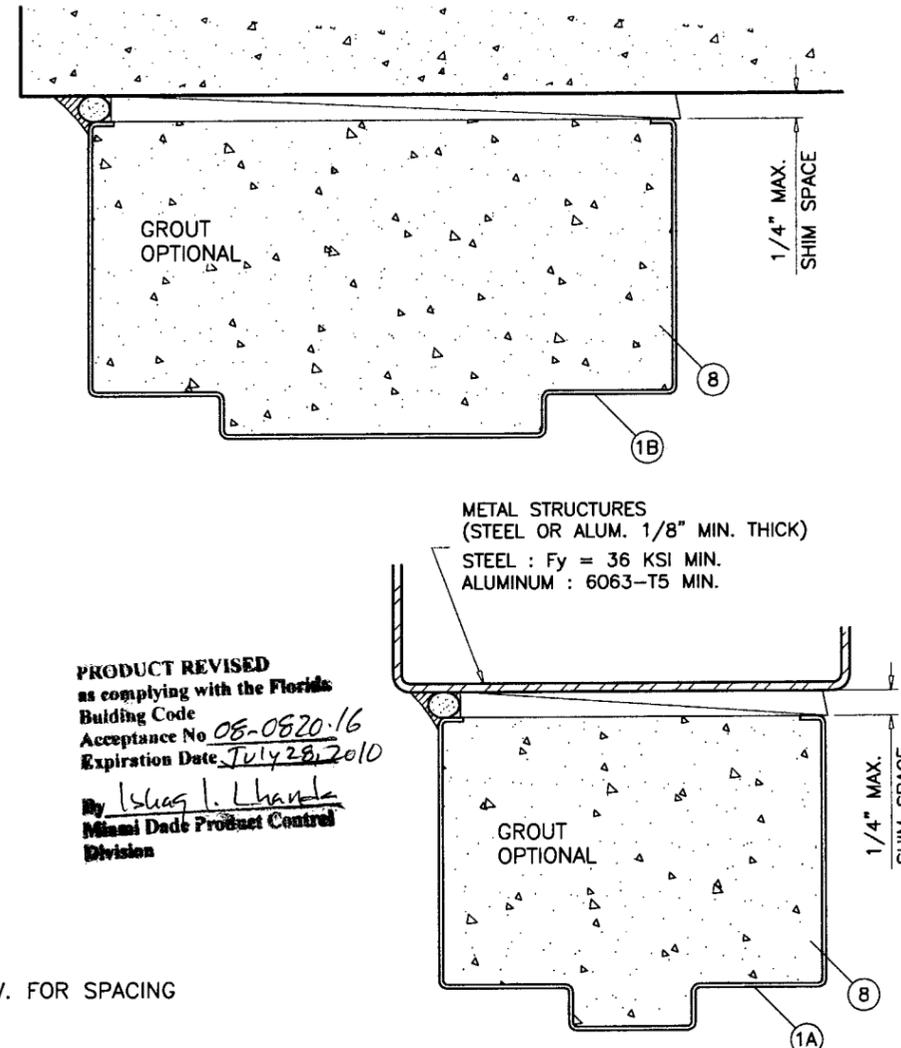
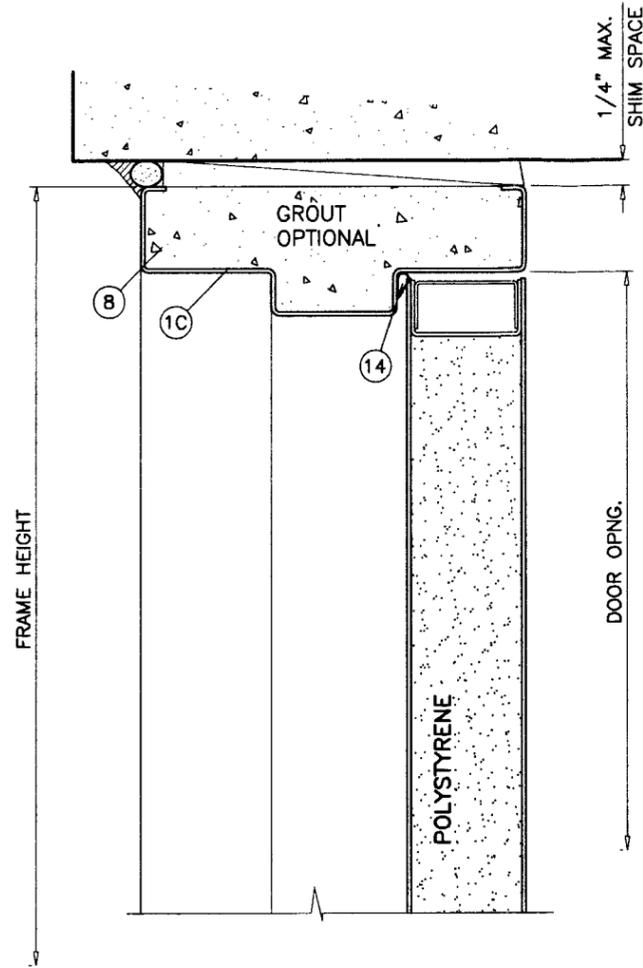
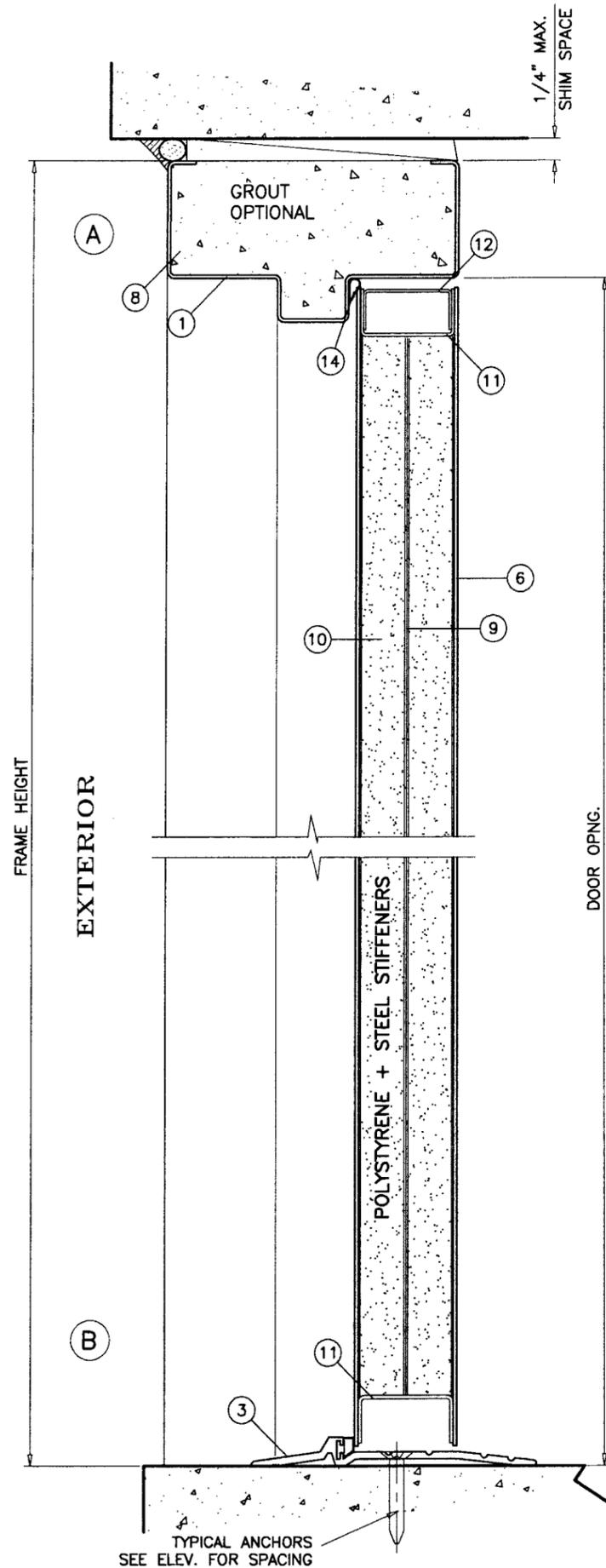
S-3070F IN-SWING COMMERCIAL ST. ENTRANCE DOOR
FIREDOOR DIVISION OF
ARK II MANUFACTURING, LLC
1350 N.W. 74TH STREET
MIAMI, FL. 33147
TEL. (305) 691-1500 FAX (305) 836-4797

no.	date	description
A	06.20.05	NO CHANGE THIS SHEET
B	07.18.05	UPDATED FOR 2004 FBC
C	07.29.08	NO CHANGE THIS SHEET

date: 02-17-05
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W05-09

sheet 1 of 5



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 06-0820-16
 Expiration Date July 28, 2010
 By: *Isaac I. Lhanda*
 Miami Dade Product Control
 Division

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

METAL STRUCTURES NOT BY FIREDOOR
 MUST SUPPORT LOADS IMPOSED BY DOOR SYSTEM AND
 TRANSFER THEM TO THE BUILDING STRUCTURE.

SEALANT:
 ALL JOINTS AND CORNERS SEALED WITH SILICONE.

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 AUG 12 2008

TYPICAL ANCHORS @ JAMB: SEE ELEV. FOR SPACING

5/16" DIA. TAPCONS
 DIRECTLY INTO CONC. OR MASONRY
 1-3/4" MIN. EMBED INTO CONC. OR MASONRY
 2-1/2" MIN. EDGE DISTANCE

3/8" DIA. SLEEVE ANCHOR HILTI
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 3" MIN. EDGE DISTANCE

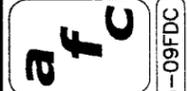
3/8" DIA. KINGPIN SLEEVE ANCHOR
 DIRECTLY INTO 6000 PSI MIN. CONCRETE
 4" MIN. EMBED INTO CONC.
 2-1/4" MIN. EDGE DISTANCE

3/8" DIA. SMS OR MACHINE BOLTS (MIN. GRADE 2 CRS)
 INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICK.)
 STEEL : F_y = 36 KSI MIN.
 ALUMINUM : 6063-T5 MIN.
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL ANCHORS @ THRESHOLD:

3/16" DIA. TAPCONS
 DIRECTLY INTO MASONRY
 WITH 1-1/2" MIN. EMBED INTO CONC.

TYPICAL ANCHORS
 SEE ELEV. FOR SPACING



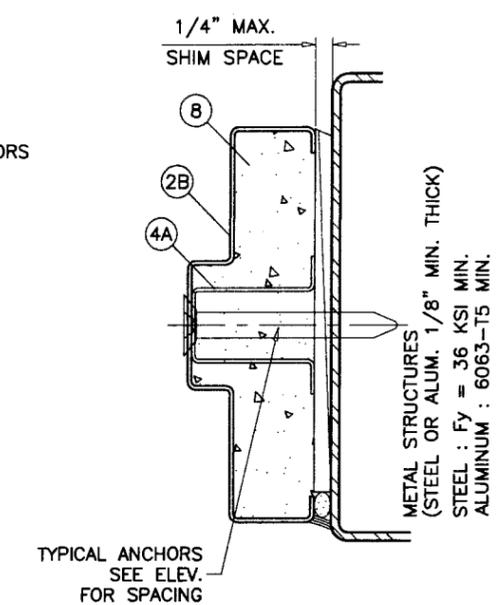
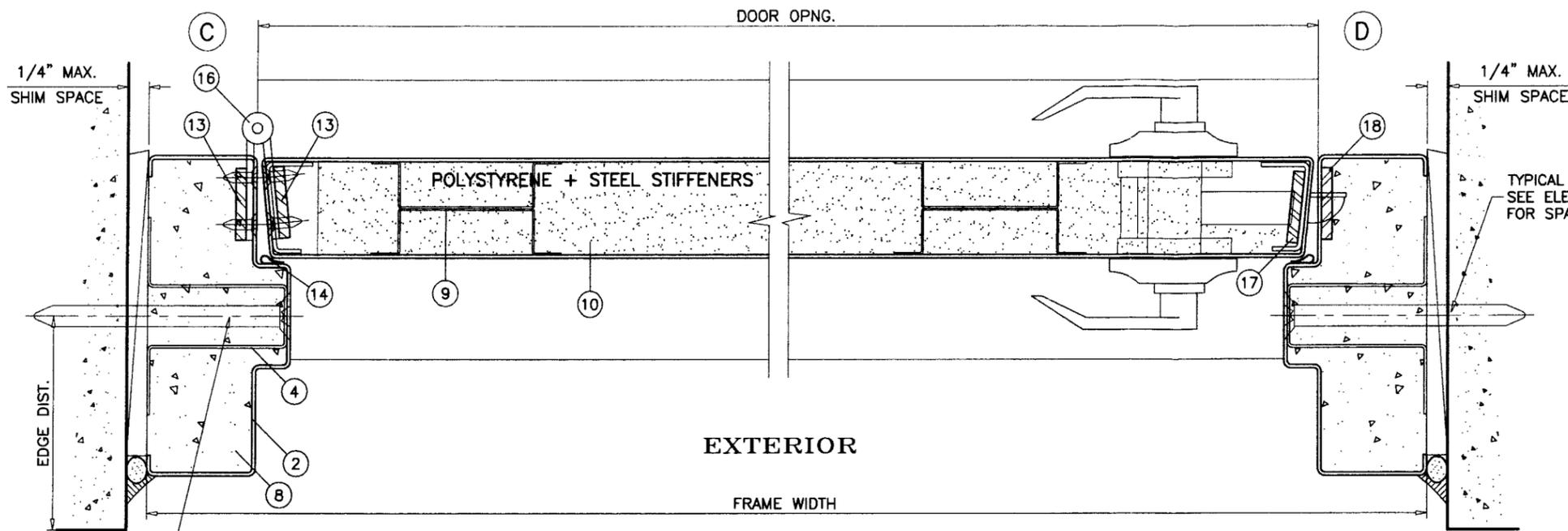
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W05-09FDC

S-3070F IN-SWING COMMERCIAL ST. ENTRANCE DOOR
FIREDOOR DIVISION OF
ARK II MANUFACTURING, LLC
 1350 N.W. 74TH STREET
 MIAMI, FL. 33147
 FIREDOOR TEL. (305) 691-1500 FAX (305) 836-4797

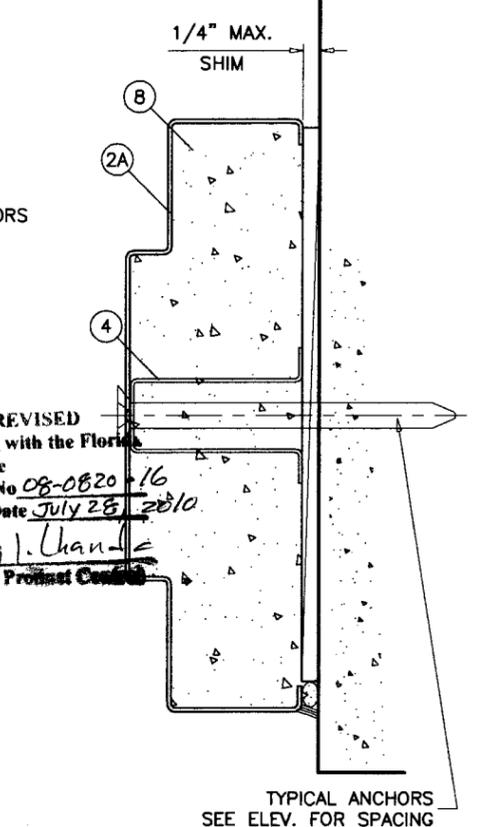
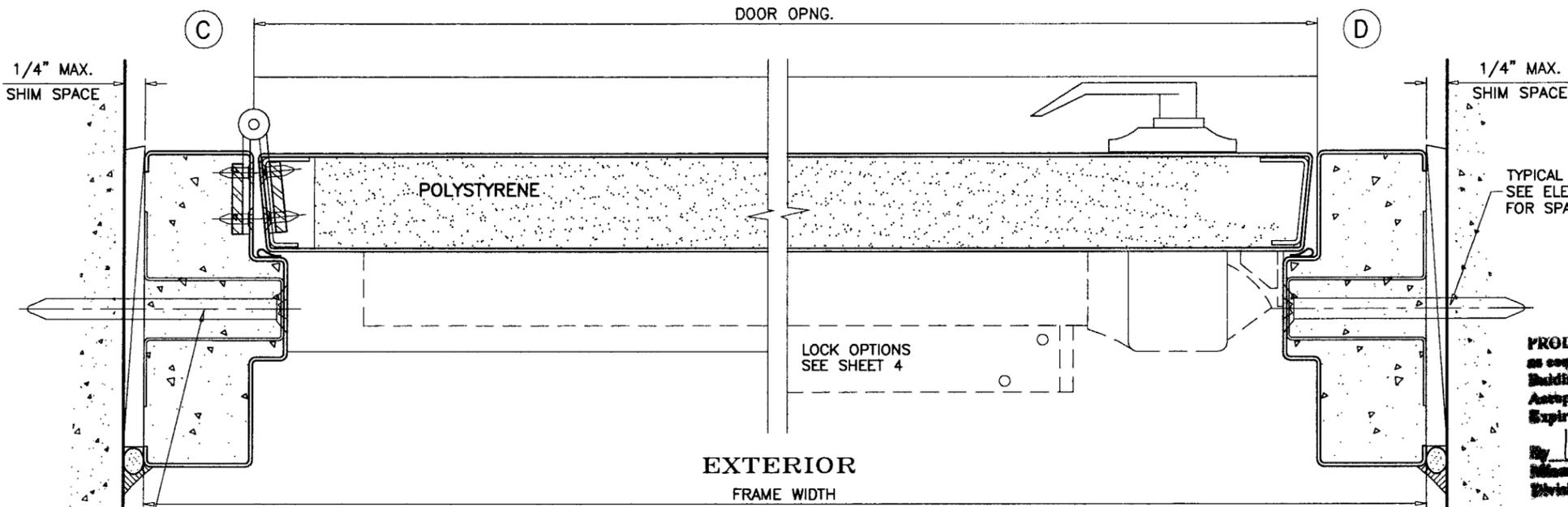
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C	07.29.08	NO CHANGE THIS SHEET	

date: 02-17-05
 scale: 3/8" = 1"
 dr. by: HAMID
 chk. by:

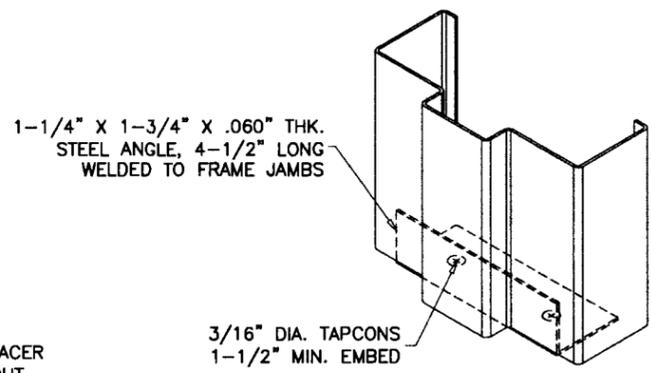
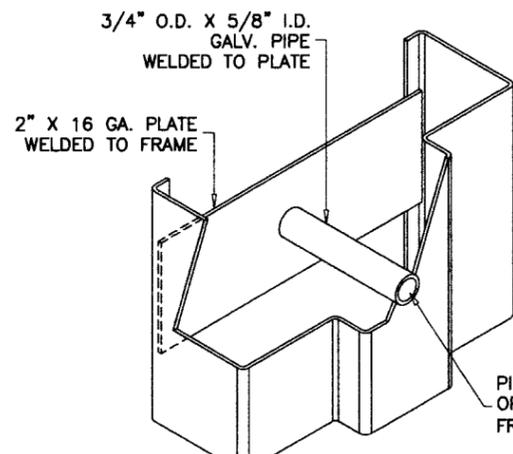
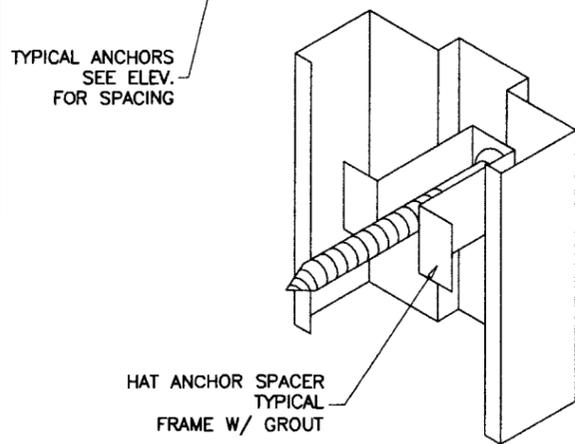
drawing no.
W05-09
 sheet 2 of 5



GROUT REQD. AT JAMBS WITH HAT ANCHOR SPACER
 GROUT NOT REQD. AT JAMBS WITH PIPE ANCHORS
 SEE DETAILS BELOW



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 08-0820-16
 Expiration Date July 28, 2010
 By Ishaq I. Chaudhry
 Miami Dade Product Control
 Division



Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 AUG 12 2008

af c

AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W05-09FDC

S-3070F IN-SWING COMMERCIAL ST. ENTRANCE DOOR

FIREDOOR DIVISION OF
ARK II MANUFACTURING, LLC
 1350 N.W. 74TH STREET
 MIAMI, FL. 33147
 TEL. (305) 681-1500 FAX (305) 636-4797

no	date	by	description
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B	07.18.05		NO CHANGE THIS SHEET
C	07.29.08		NO CHANGE THIS SHEET

date:	02-17-05
scale:	3/8" = 1"
dr. by:	HAMID
chk. by:	

drawing no.
W05-09

sheet 3 of 5

HINGES:

STEEL MORTISE HINGE 1279
 AT 7-1/4" FROM TOP TO CL OF HINGE
 AT 12-1/4" FROM BOTTOM TO CL OF HINGE
 CENTER HINGE EQUALLY SPACED FROM TOP & BOTTOM HINGE

LOCK OPTIONS:

OPTION #1:

'SCHLAGE' AL SERIES CYLINDRICAL LOCK
 AT 38" FROM BOTTOM.
 4-7/8" LONG ST. STEEL STRIKE PLATE AT 38" FROM BOTTOM

OPTION #2:

'CORBIN RUSSWIN' CL3900 SERIES CYLINDRICAL LOCK
 AT 38" FROM BOTTOM.
 4-7/8" LONG ST. STEEL STRIKE PLATE AT 38" FROM BOTTOM

OPTION #3:

'YALE' 5300LN SERIES CYLINDRICAL LOCK
 AT 38" FROM BOTTOM.
 4-7/8" LONG ST. STEEL STRIKE PLATE AT 38" FROM BOTTOM

OPTION #4:

MONARCH 19R PANIC EXIT DEVICE W/ STRIKEPLATE MOUNTED
 40-5/16" FROM FINISHED FLOOR.

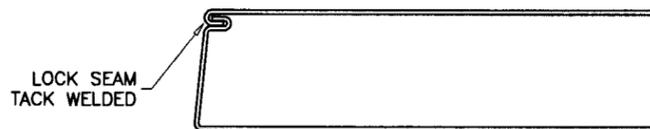
PANIC DEVICES WILL BE PERMITTED IN LOCATIONS WITH
 ALCOVE/BAFFLED ENTRY SYSTEMS, WHERE A DIRECT
 MISSILE IMPACT IS NOT POSSIBLE, AND AREA BEHIND
 DOOR IS DESIGNED FOR INTERNAL PRESSURE.

PRODUCT REVISED
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 Acceptance No 08-0820-16
 Expiration Date July 28, 2010
 By Ishag I. Chaudhry
 Internal Data Product Control
 Division

DOOR EDGE CONSTRUCTION OPTIONS:

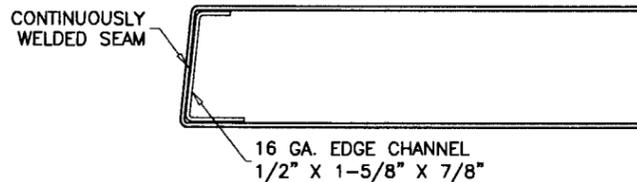
OPTION #1:

LOCK SEAM EDGE CONSTRUCTION



OPTION #1:

BUTT SEAM EDGE CONSTRUCTION



ITEM NO.	PART NO.	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	-	AS REQD.	FRAME HEAD (5-3/4" X 2")	STEEL	16 GA. (.058") MIN. Fy = 34.4 KSI
1A	-	AS REQD.	FRAME HEAD (5-3/4" X 4")	STEEL	16 GA. (.058") MIN. Fy = 34.4 KSI
1B	-	AS REQD.	FRAME HEAD (8-3/4" X 4")	STEEL	16 GA. (.058") MIN. Fy = 34.4 KSI
1C	-	AS REQD.	FRAME HEAD (5-3/4" X 1-1/4")	STEEL	16 GA. (.058") MIN. Fy = 34.4 KSI
2	-	AS REQD.	FRAME JAMB (5-3/4" X 2")	STEEL	16 GA. (.058") MIN. Fy = 34.4 KSI
2A	-	AS REQD.	FRAME JAMB (8-3/4" X 2")	STEEL	16 GA. (.058") MIN. Fy = 34.4 KSI
2B	-	AS REQD.	FRAME JAMB (5-3/4" X 1-1/4")	STEEL	16 GA. (.058") MIN. Fy = 34.4 KSI
3	2005	1	THRESHOLD	ALUMINUM	PEMKO
4	-	AS REQD.	BOLT SPACER (2" FRAME)	STEEL	2" X 2-5/8" X 18 GA.
4A	-	AS REQD.	BOLT SPACER (1-1/4" FRAME)	STEEL	2" X 1-7/8" X 18 GA.
5	-	-	-	-	-
6	-	-	DOOR	STEEL	18 GA. (.045") MIN. Fy = 38 KSI
7	-	-	-	-	-
8	-	OPTIONAL	FRAME GROUT	CONC.	3000 PSI MIN.
9	-	8/ LEAF	HAT STIFFENER IN PAIRS (4 ROWS VERTICAL)	STEEL	22 GA.
10	-	1	POLYSTYRENE CORE	-	APACHE
11	-	1/ RAIL	TOP AND BOTTOM RAIL CHANNEL	STEEL	13/16 X 1-21/32 X 13/16 X 16 GA.
12	-	1/ RAIL	TOP RAIL CHANNEL	STEEL	11/16 X 1-1/2 X 11/16 X 18 GA.
13	-	2/ HINGE	HINGE REINFORCEMENT (FRAME/DOOR)	STEEL	1-1/4" X 10" X 3/16"
14	S88	1	HEAD/JAMB WEATHERSTRIP	VINYL	PEMKO
15	-	-	-	-	-
16	1279	3/ LEAF	MORTISE HINGES	STEEL	HAGER
17	-	2/ LOCK	LOCK REINFORCEMENT	-	1-1/4" X 2-3/4" X 12 GA.
18	-	1/ STRIKE	STRIKE REINFORCEMENT	-	1-3/8" X 6-1/2" X 16 GA.

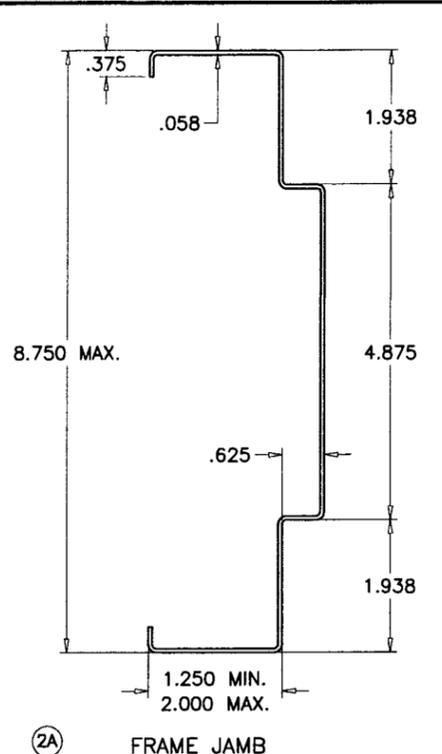
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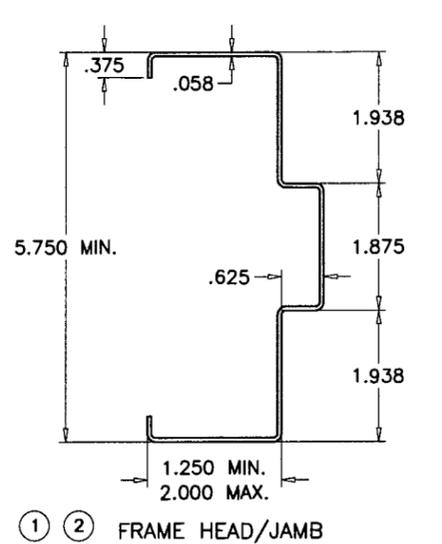
no	date	description
A	06.20.05	MIN. Fy REV.
B	07.18.05	NO CHANGE THIS SHEET
C	07.29.08	PANIC DEVICE NOTE ADDED

Engr: DR. MUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 AUG 1 2 2008

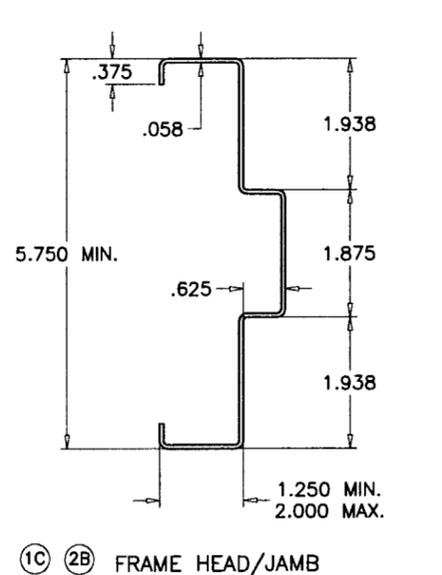
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 dr. by: HAMID
 chk. by:
 drawing no.
W05-09
 sheet 4 of 5



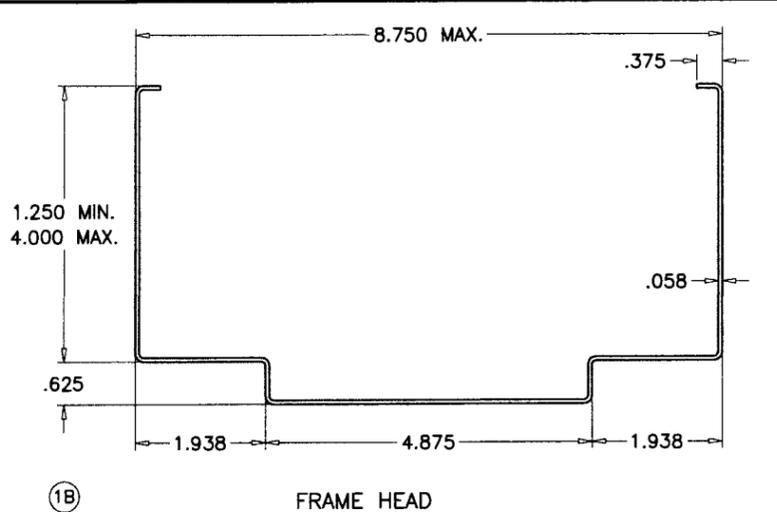
2A FRAME JAMB



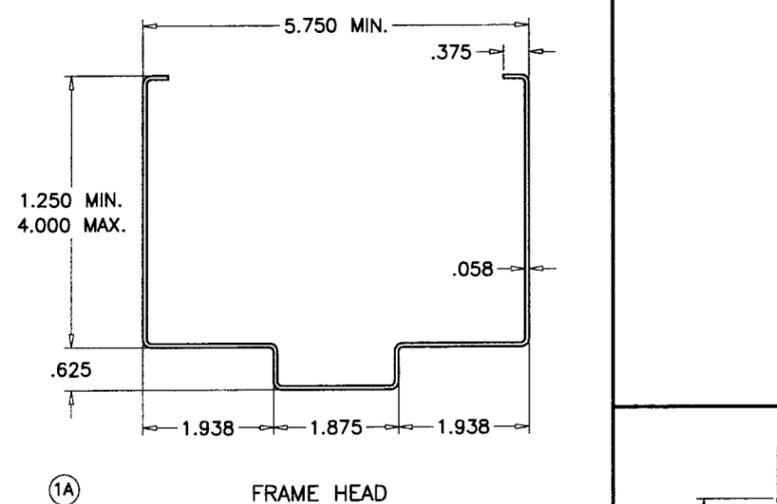
1 2 FRAME HEAD/JAMB



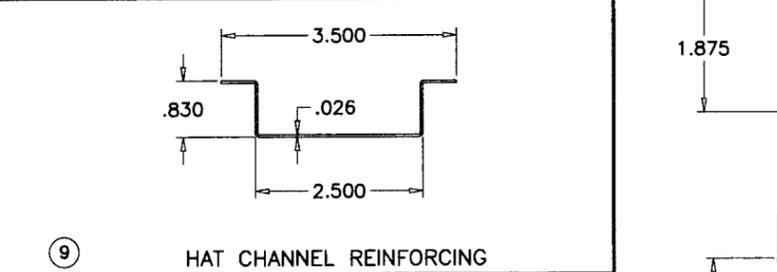
1C 2B FRAME HEAD/JAMB



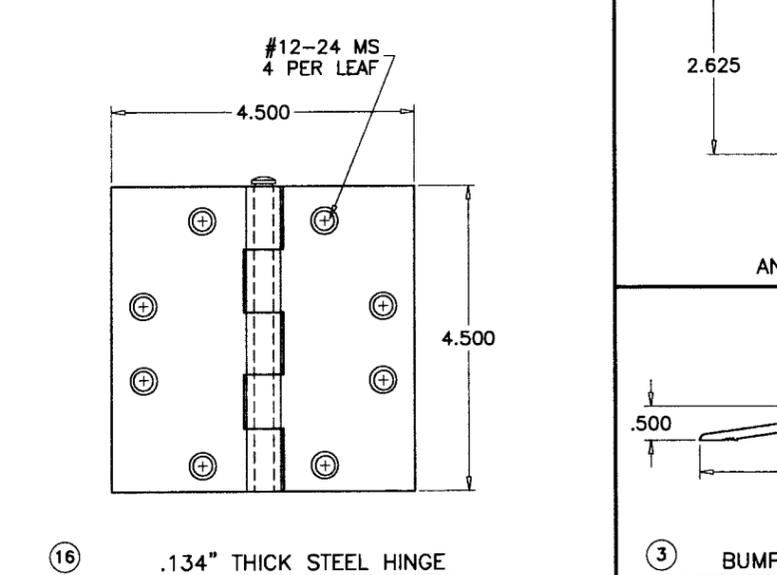
1B FRAME HEAD



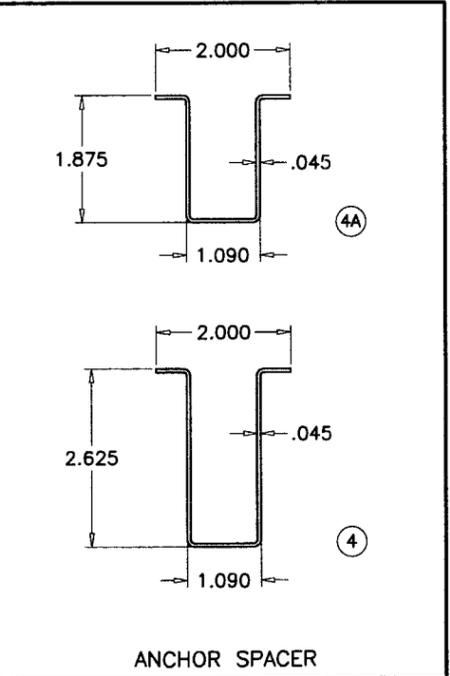
1A FRAME HEAD



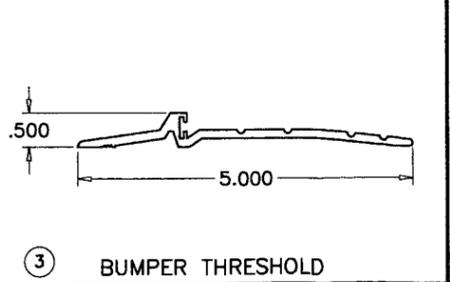
9 HAT CHANNEL REINFORCING



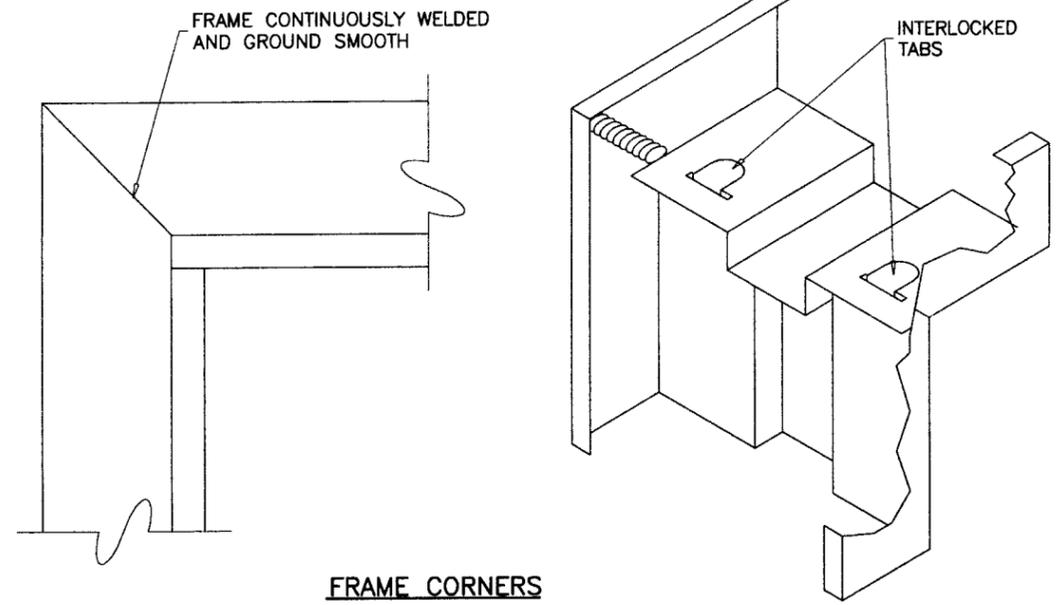
16 .134" THICK STEEL HINGE



4 ANCHOR SPACER



3 BUMPER THRESHOLD



FRAME CORNERS

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 08-0820-16
 Expiration Date July 28, 2010
 By Isaac I. Chavira
 Miami Dade Product Control
 Division

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

[Signature]

AUG 12 2008

afc
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
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 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W05-09FDC

S-3070F IN-SWING COMMERCIAL ST. ENTRANCE DOOR
FIREDOOR DIVISION OF
ARK II MANUFACTURING, LLC
 1350 N.W. 74TH STREET
 MIAMI, FL. 33147
 TEL. (305) 691-1500 FAX (305) 836-4797

no	date	description
A	06.20.05	NO CHANGE THIS SHEET
B	07.18.05	NO CHANGE THIS SHEET
C	07.29.08	NO CHANGE THIS SHEET

date: 02-17-05
 scale: 3/8" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W05-09
 sheet 5 of 5