



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)

Anweld International, LLC
 301 S. North Point Dr. , Suite #400
 Coppell, TX. 75019

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: Firedoor Series "S-4080" Single Outswing Opaque Steel Door

APPROVAL DOCUMENT: Drawing No "W02-94", titled "Firedoor series S-4080F" Out-Swing Steel Ent. Door.", sheet 1 through 4 of 4, dated 10-10-02 and last revised on May 24, 2010, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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. The doors are not approved, where water infiltration requirement is needed.
2. Frame jambs to be grout filled.

LABELING: Each unit shall bear a permanent label with the Ark Manufacturing De Mexico, **Nuevo Leon, Mexico** 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 NOA # 08-0310.02 (Former Firedoor, Div. Ark II Manufacturing, LLC) consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

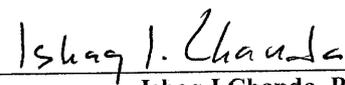


J
 9/12/10

NOA No 09-0923.15
 Expiration Date: November 12, 2012
 Approval Date: September 01, 2010

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- A. DRAWINGS** (Transferred from # **08-0310.02**)
1. Manufacturers die drawings and sections.
 2. Drawing No "**W02-94**", titled "Firedoor series S-4080F" Out-Swing Steel Ent. Door", sheet 1 through 4 of 4, dated 10-10-02 and last revised on May 24, 2010, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.
- B. TESTS** (Transferred from # **08-0310.02**) Original test conducted per SFBC, PA 201, 202 & 203-94, now termed as FBC, TAS 201, 202 & 203-94.
1. Test reports on
 - 1) Air Infiltration Test, per PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
 - 3) Water Resistance Test, per PA 202-94(Not Performed)
 - 4) Large Missile Impact Test, SFBC PA 201-94
 - 5) Cyclic Loading Test, per SFBC PA 203-94
- Along with installation diagram of single outswing Steel commercial doors, marked-up by Fenestration Testing Laboratories, Inc. Test Reports Nos. **FTL 3211 (FTL01144)**, dated 12/13/01, signed and sealed by Luis A. Fegueredo, P.E.
- C. CALCULATIONS**
1. Anchor verification dated June 24, 2009 and last revised on March 10, 2010, prepared by Al-Farooq Corporation, complying w/ FBC 2007, signed and sealed by Javad Ahmad, P.E.
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO)
- E. MATERIAL CERTIFICATIONS**
1. Tensile test report prepared by ATC Associate Inc., report No. FTL3211 (011444), dated March 05, 2002 for Steel samples, tested per ASTM E-A370-97-a, signed and sealed by Luis A. Figueredo, P.E.
 2. Notice of Acceptance No. **07-1107.08** issued to Dyplast Product, LLC (Former Apache Products Co.) for "EPS-Expanded Polystyrene Insulation", expiring on 01/11/12.
- E. STATEMENTS**
1. Statement Letter of conformance and letter of "No financial interest to test Lab" issued by Al-Farooq Corporation, both letters dated March 15, 2010, signed and sealed by Javad Ahmad, P.E.
 2. Statement letter of compliance, as part of above referenced test report, issued by Fenestration testing laboratory.
 3. Distributor Agreement between Ark Manufacturing de Mexico., Nuevoleon, Mexico and Firedoor by Amweld International, LLC, Texas, USA, signed by Gabriel de la Garza and R. Scott Willson, respectively .
- G. OTHER**
1. This NOA revises and replaces NOA # **08-0310.02** (Former Firedoor, Div. Ark II Manufacturing, LLC), expiring on November 12, 2012.
 2. Commitment letter by Amweld Int'l., dated 03/31/10 for 5/16" Tapcon re-verification test.



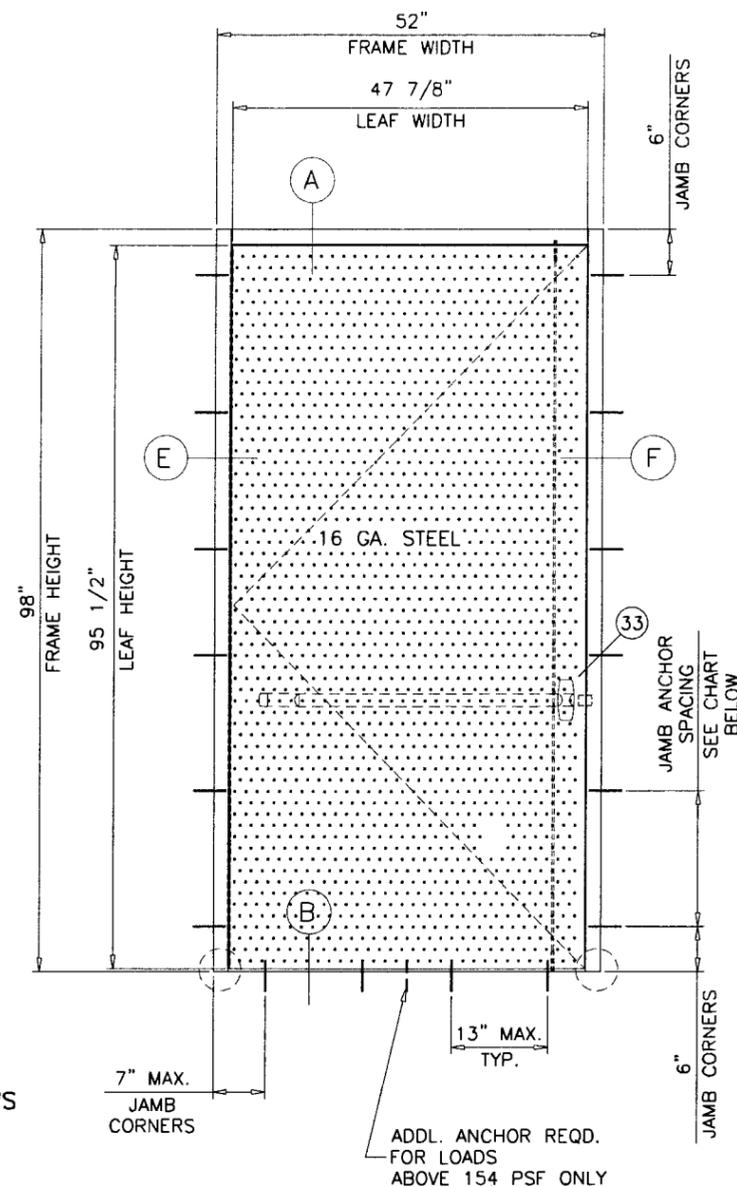
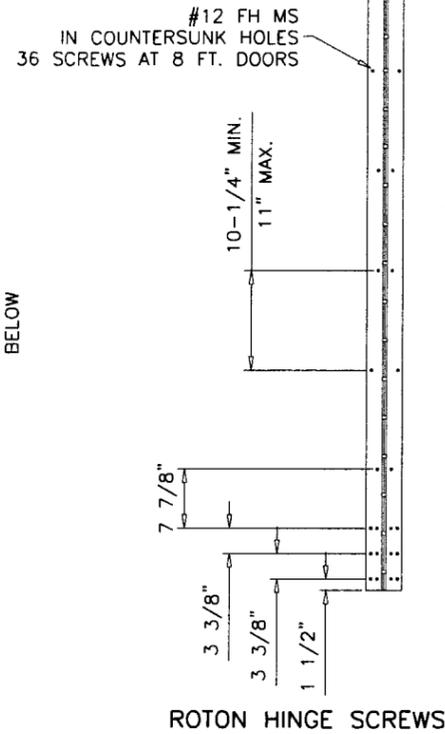
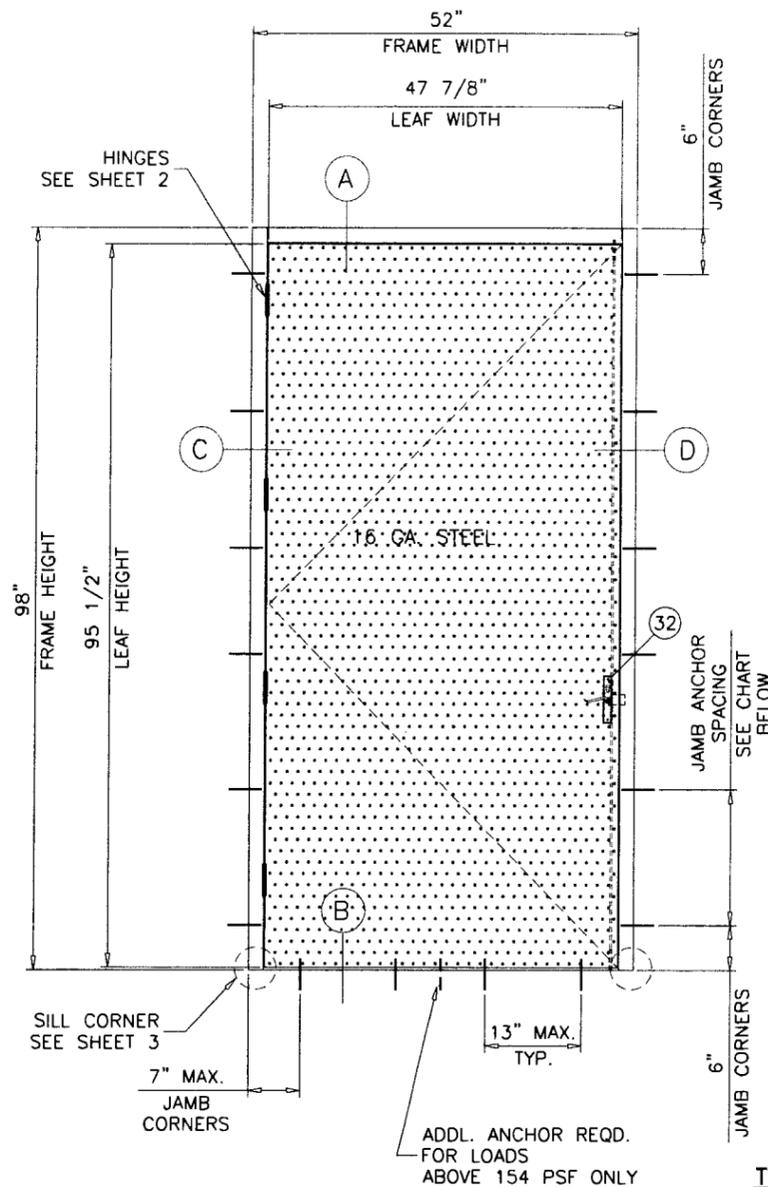
Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 09-0923.15

Expiration Date: November 12, 2012

Approval Date: September 01, 2010



TYPICAL ELEVATION TESTED UNITS

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

**FIREDOOR SERIES-4080F
OUT-SWING STEEL ENTRANCE DOOR**

MAX. DESIGN LOAD RATING FOR THESE DOORS IS AS PER CHART SHOWN AT RIGHT FOR SIZES SHOWN OR SMALLER, AS ALLOWED PER FBC.

DOORS NOT APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

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.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2007 FLORIDA BLDG. CODE SECTION 2003.8.4.

FRAME WIDTH	DESIGN LOAD CAPACITY - PSF			
	ANCHORS TYPE 'A'		ANCHORS TYPE 'B'	ANCHORS TYPE 'C'
	AT 12" O.C.	AT 18" O.C.	AT 18" O.C.	AT 18" O.C.
36"	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)
42"	200.0	161.8	200.0	200.0
48"	200.0	138.6	200.0	200.0
52"	182.0	121.3	200.0	200.0
	168.0	112.0	192.6	200.0

SEE SHEET 2 FOR DESCRIPTION OF ANCHORS.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 09-0923-15
Expiration Date NOV 12, 2012
By Ishtaq I. Chande
Miami Dade Product Control Division

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

MAY 4 2010

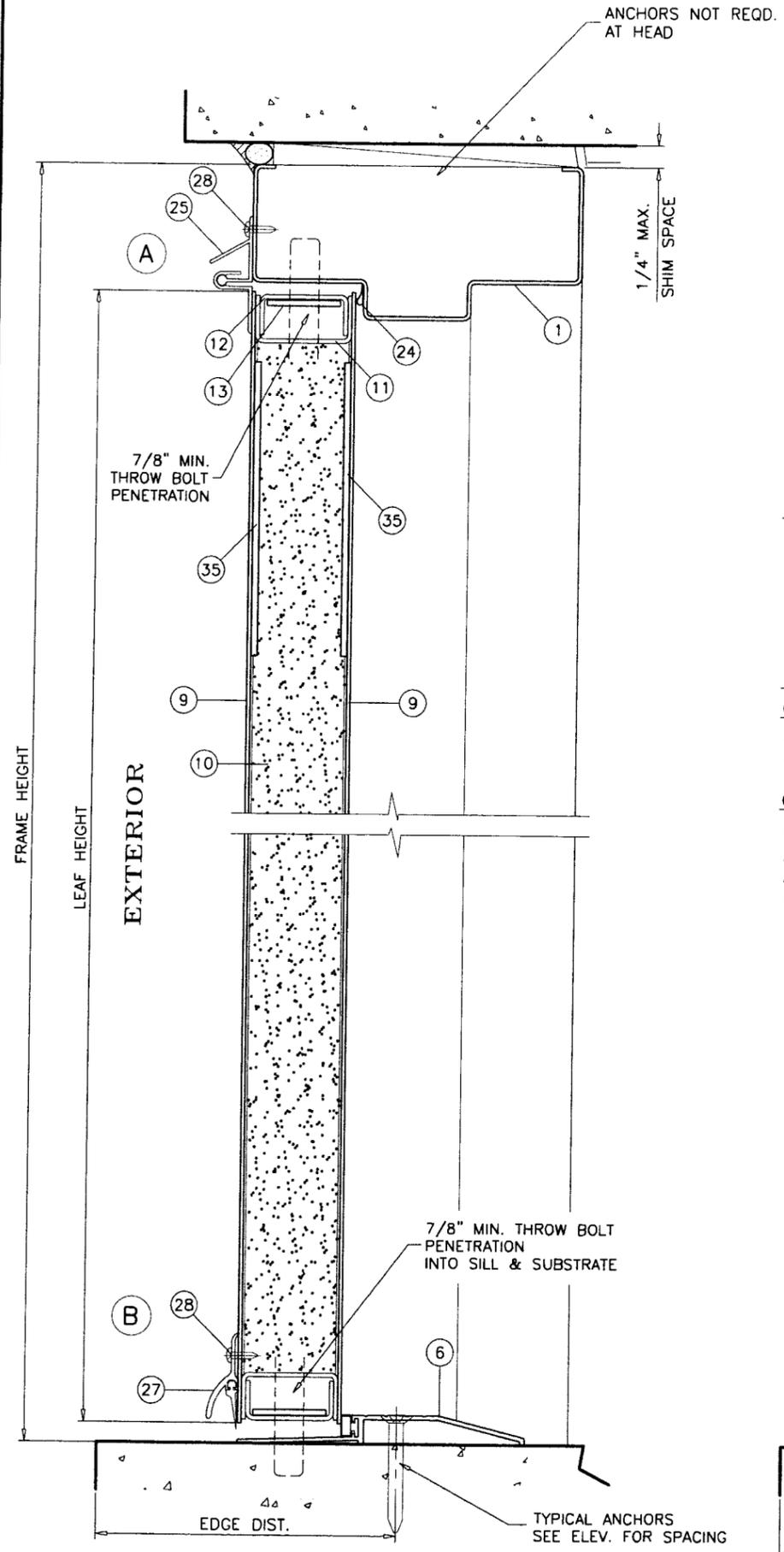
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W02-94FDC

FIREDOOR S-4080F OUT-SWING STEEL ENT. DOOR
AMWELD INTERNATIONAL, LLC
301 S NORTHPOINT DRIVE SUITE #400
COPPELL, TX. 75019
TEL. (469) 656-4789 FAX. (214) 329-0911

no	date	description	REV. PER BCCO COMMENTS
B	05.08.03		REV. PER BCCO COMMENTS
C	07.18.05		UPDATED FOR 2004 FBC
D	06.19.09		UPDATED FOR 2007 FBC
E	01.16.10		REV. PER BCCO COMMENTS
F	05.19.10		REV. PER BCCO COMMENTS

date: 10-10-02
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W02-94
sheet 1 of 4



LOCK OPTIONS:

OPTION #1:
 THREE POINT MORTISE LOCKSET SYSTEM BY 'SECURITECH' WITH 5/8" DIA. ST. STEEL BOLTS AT TOP & BOTTOM ENGAGING IN (1.107" X .075" X 2.232") STL. STRIKE PLATES IN FRAME HEAD AND SILL AT BOLT LOCATIONS AND DEAD BOLT LOCK AT 38" TO 40-3/8" FROM BOTTOM ENGAGING (1-7/8" X 4-7/8") STL. STRIKE PLATE IN FRAME JAMB AT BOLT LOCATION.
 KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR

OPTION #2:
 THREE POINT SURFACE MOUNT PANIC EXIT DEAD LOCK SYSTEM 8444-SBO-HD BY 'SECURITECH' AT 38" TO 40-3/8" FROM BOTTOM. ENGAGING IN STEEL STRIKE PLATES IN FRAME HEAD & SILL AT BOLT LOCATIONS.
 (2" X 4-7/8" X 1/16") STL. STRIKE PLATE IN FRAME JAMB

HINGES:

OPTION #1:
 STEEL ROTON HINGE BY 'HAGER'
 SEE SHEET 1 FOR INSTALLATION SCREWS

OPTION #2:
 STEEL MORTISE HINGE 1279
 AT 7-1/4" TO 9-3/4" FROM TOP TO CL OF HINGE
 AT 7-1/4" TO 12-5/8" FROM BOTTOM TO CL OF HINGE
 (2) HINGES IN BETWEEN TOP & BOTTOM HINGE EQUALLY SPACED

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

TYPICAL ANCHORS @ JAMB: SEE ELEV. FOR SPACING

- TYPE 'A' - 5/16" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 3-1/8" MIN. EDGE DISTANCE
- TYPE 'B' - 3/8" DIA. CARBON STEEL HLC SLEEVE ANCHOR BY 'HILTI'
 DIRECTLY INTO CONC. OR MASONRY
 1-5/8" MIN. EMBED INTO CONC. OR MASONRY
 3-1/2" MIN. EDGE DISTANCE INTO CONC.
 4" MIN. EDGE DISTANCE INTO MASONRY
- TYPE 'C' - 3/8" DIA. SMS OR MACHINE BOLTS (GRADE 2 CRS)
 INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICK.)
 STEEL : Fy = 36 KSI MIN.
 ALUMINUM : 6063-T5 MIN.
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

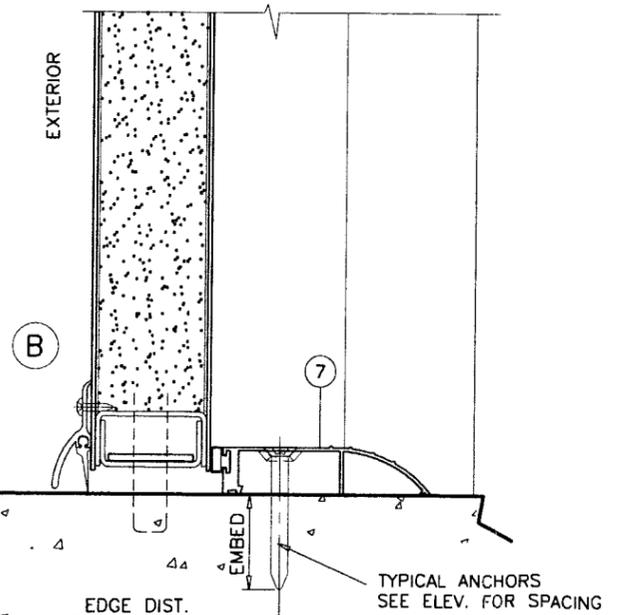
TYPICAL ANCHORS @ THRESHOLD:

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 DIRECTLY INTO CONCRETE
 WITH 1-1/4" MIN. EMBED INTO CONC.
 2-1/2" MIN. EDGE DISTANCE

CONCRETE f'c = 3000 PSI MIN.
 C-90 FILLED MASONRY BLOCK f'm = 2000 PSI MIN.

SEALANT:

FRAME CORNERS SEALED WITH SILICONE.



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 09-0923-15
 Expiration Date NOV 17, 2012
 By: *Yusuf I. Khan*
 Miami Dade Product Control
 Division

Engr. JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 MAY 24 2010

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\W02-94FDC

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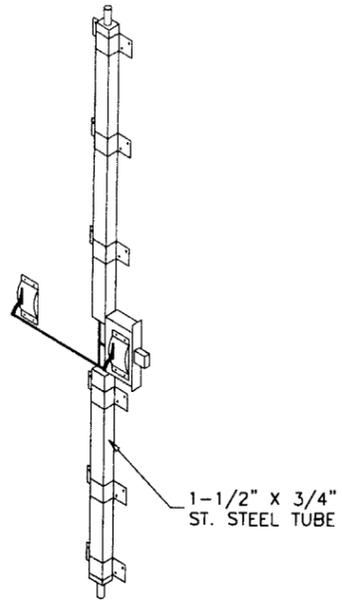
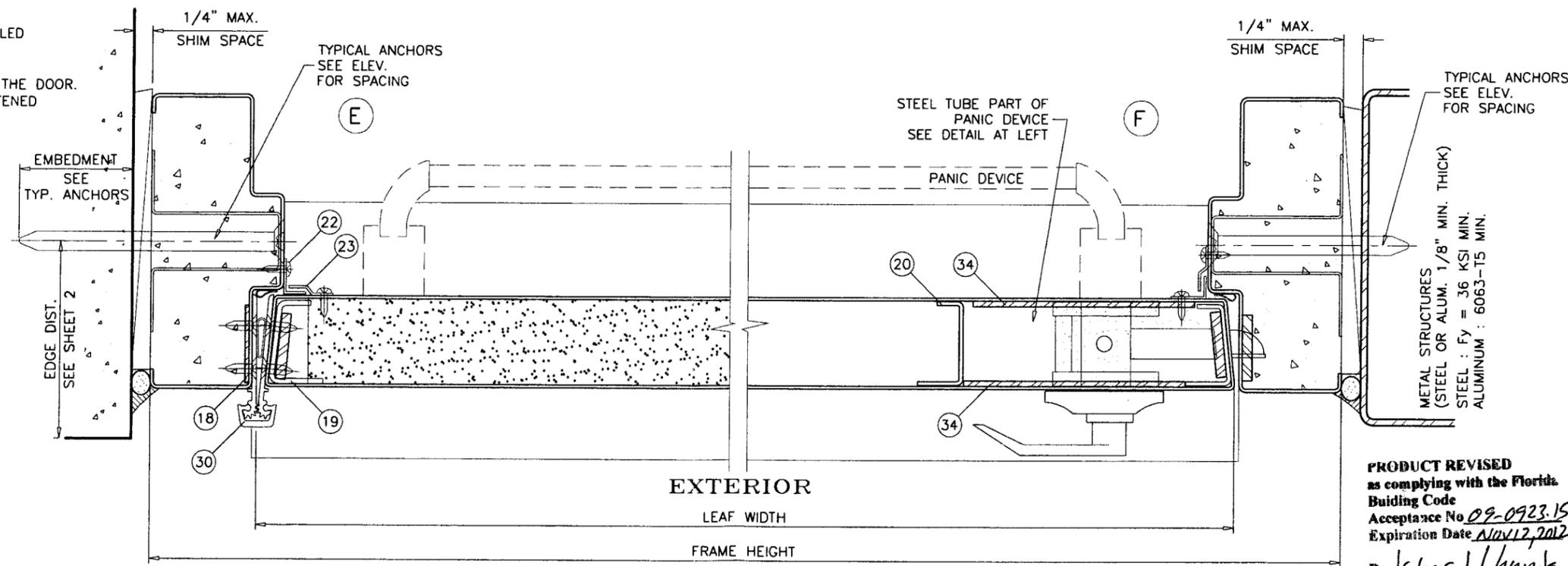
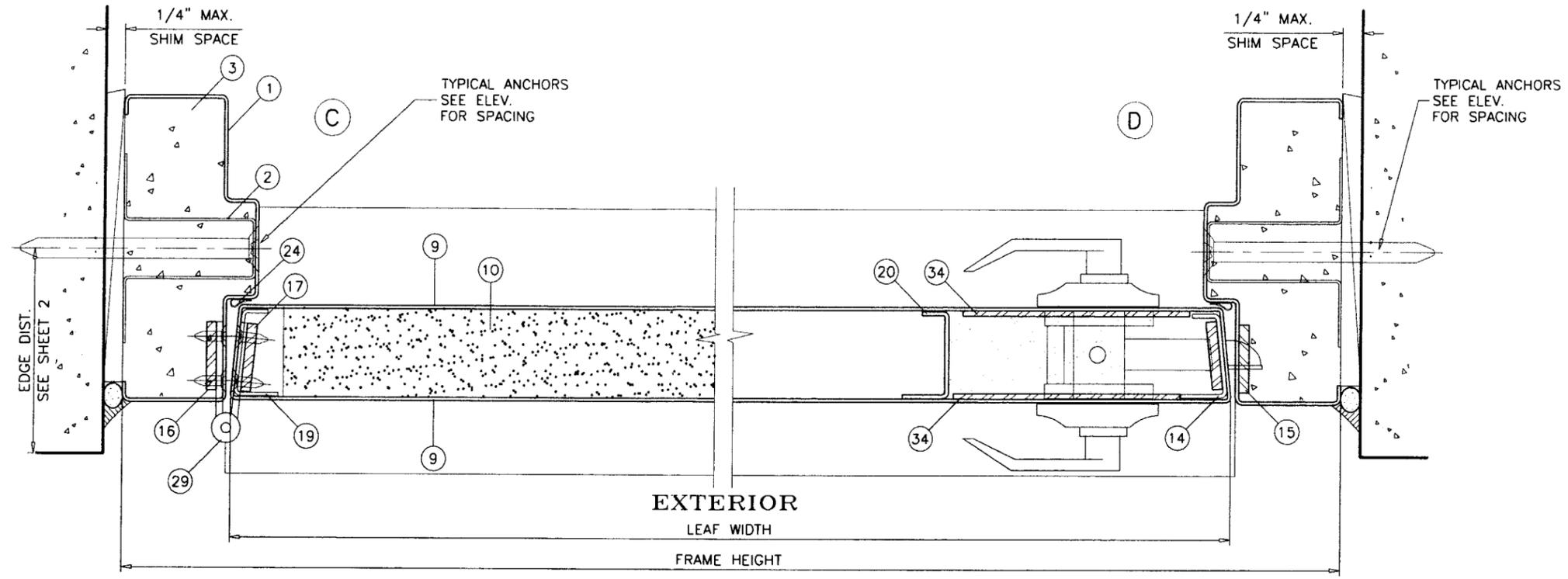
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C	07.18.05	ANCHORS REV.	
D	06.19.09	UPDATED FOR 2007 FBC	
E	01.16.10	REV. PER BCCO COMMENTS	
F	05.19.10	REV. PER BCCO COMMENTS	

date: 10-10-02
 scale: 3/8" = 1"
 dr. by: HAMID
 chk. by:

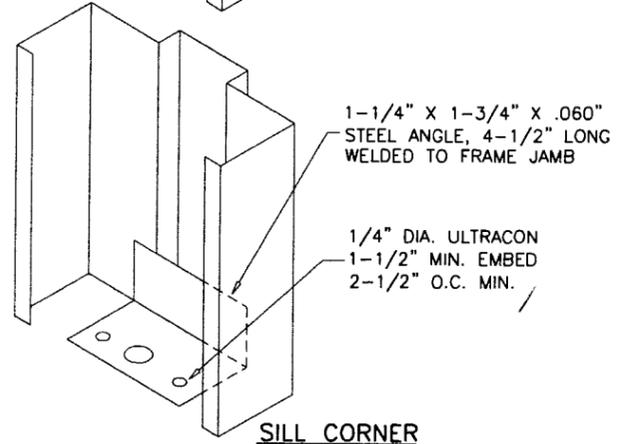
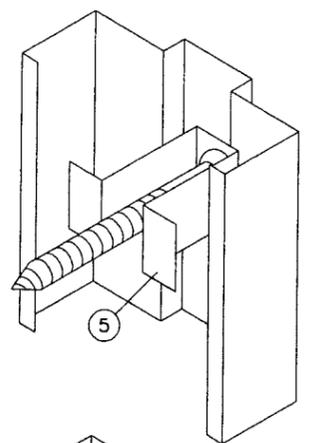
drawing no.
W02-94
 sheet 2 of 4

no	date	by	description
B	05.08.03		REV. PER BCCO COMMENTS
C	07.18.05		NO CHANGE THIS SHEET
D	06.19.09		UPDATED FOR 2007 FBC
E	01.16.10		REV. PER BCCO COMMENTS
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date:	10-10-02
scale:	3/8" = 1"
dr. by:	HAMID
chk. by:	
drawing no.	W02-94
sheet	3 of 4

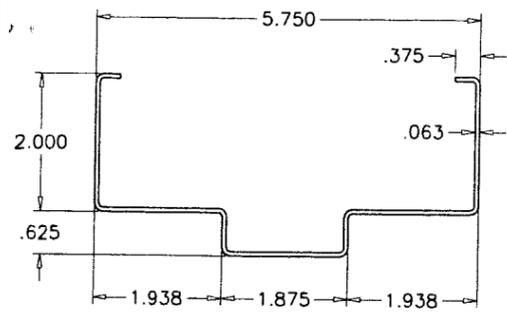


PANIC DEVICE:
 ST. STEEL ROD, BOLT & CHANNEL ASSEMBLY WITH MULTIPLE BRACKETS AND THRU BOLT PLATES INSTALLED WITHIN DOOR ABOVE AND BELOW PANIC BAR. 5/8" DIA. X 10" LONG ST. STEEL BOLTS TRAVEL IN CHANNELS SURFACE APPLIED TO INTERIOR FACE OF THE DOOR. (6) 'U' SHAPED CHANNEL MOUNTING BRACKETS FASTENED WITH 1/4-20 MS FOUR PER BRACKET.

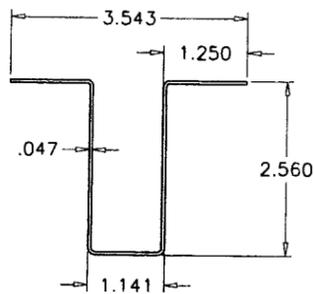


Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
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 MAY 24 2010

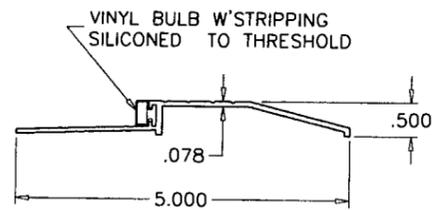
PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 09-0923.15
 Expiration Date Nov 12, 2012
 By K. G. I. Lhanda
 Miami Dade Product Control Division



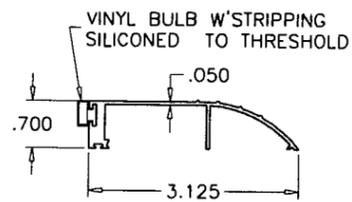
FRAME HEAD/JAMB



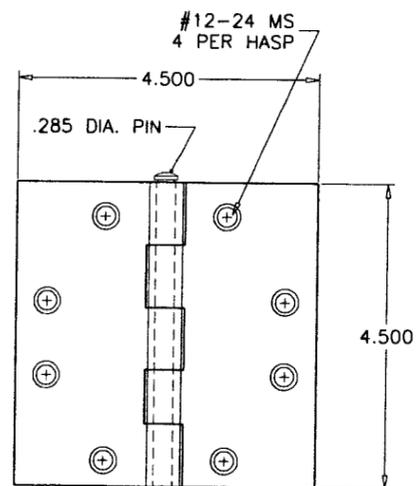
ANCHOR SPACER



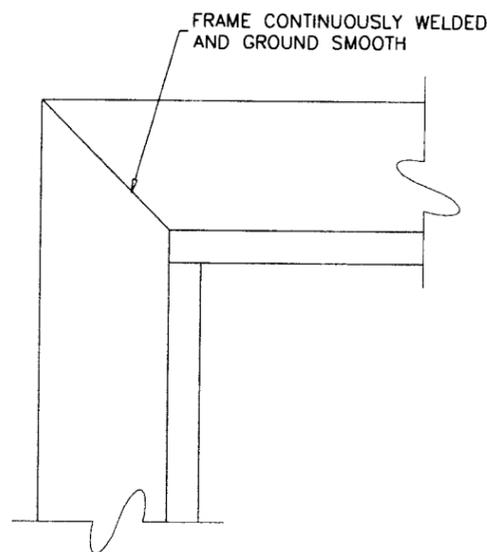
BUMPER THRESHOLD



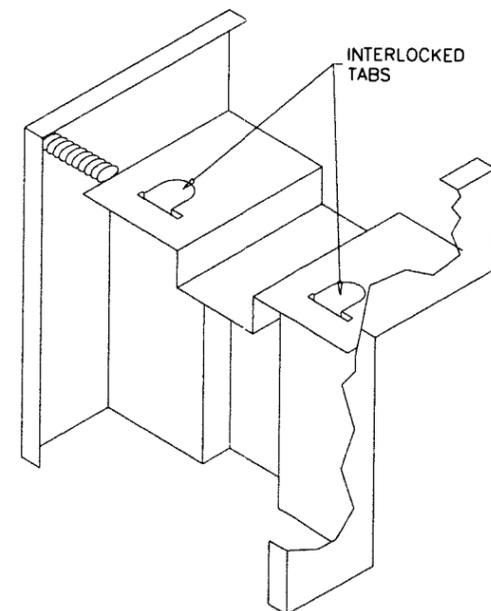
ALTERNATE THRESHOLD



.134" THICK STEEL HINGE



FRAME CORNERS



ITEM NO.	PART NO.	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	-	AS REQD.	FRAME HEAD/JAMB	STEEL	16 GA. (.062") MIN. Fy=46,000, Fu=55,000
2	-	AS REQD.	ANCHOR SPACER	STEEL	2-1/2" X 2-1/2" X 18 GA.
3	-	AS REQD.	FRAME GROUT	CONC.	3000 PSI MIN.
5	-	1	BUMPER THRESHOLD	ALUMINUM	HAGER
6	477S	1	BUMPER THRESHOLD	ALUMINUM	HAGER
7	435S	1	ALTERNATE THRESHOLD	ALUMINUM	HAGER
9	-	2	DOOR PANEL	STEEL	16 GA. (.060") MIN. Fy = 42,000
10	-	-	POLYSTYRENE CORE	-	APACHE, HOLDING CURRENT NOA
11	-	2	TOP & BOTTOM CHANNEL, 47-3/4" LONG	STEEL	(.810" X 1.678" X .810" X .075 THK.)
12	-	2	TOP & BOTTOM CHANNEL, 47-3/4" LONG	STEEL	(.685" X 1.530" X .685" X .075" THK.)
13	-	2	TOP & BOTTOM BAR REINFORCING, 47-3/4" LONG	STEEL	(1.270" X .10" THK.)
14	-	2	LOCK REINFORCEMENT, 27" LONG	STEEL	(.518" X 1.585" X .90" X .075 THK.)
15	-	1	STRIKE REINFORCEMENT	STEEL	(1-3/8" X 6-7/16" X .093" THK.)
16	-	-	FRAME HINGE REINFORCEMENT	STEEL	(1.270" X .170" X 10" LONG)
17	-	4	DOOR HINGE REINFORCEMENT	STEEL	(1.270" X .170" X 10" LONG)
18	-	1	ROTON HINGE REINFORCEMENT	STEEL	(1.518" X .075" X 97" LONG)
19	-	1	DOOR EDGE CHANNEL, 93" LONG	STEEL	(7/8" X 1-5/8" X 1/2" X .075" THK.)
20	-	1	DOOR REINFORCING CHANNEL, FULL LENGTH	STEEL	(7/8" X 1-5/8" X 1/2" X .075" THK.)
22	#8 X 1/2"	AS REQD.	SELF DRILLING SCREWS	-	AT 8" O.C.
23	713S/715S	2	INTERLOCKING WEATHERSTRIPPING	ALUMINUM	HAGER
24	726S	AS REQD.	JAMB WEATHERSTRIPPING (1/2" X 1/4")	VINYL	HAGER, ADHESIVE BACK
25	717S/718S	AS REQD.	INTERLOCKING WEATHERSTRIPPING	VINYL	HAGER
27	770S-V	1	DOOR BOTTOM SWEEP	ALUM/VINYL	HAGER
28	#10 X 3/4"	AS REQD.	SELF DRILLING SCREWS	-	AT 8" O.C. MAX.
29	1279	4/ LEAF	MORTISE BUTT HINGES (4-1/2" LONG)	STEEL	HAGER, AT 25-1/2" O.C. MAX.
30	780-224/112	1	ROTON HINGE	STEEL	HAGER
32	5411-HD-F13	1	3PT MORTISE LOCKSET	STEEL	SECURITECH
33	8444-SBS-HD	1	3PT PANIC EXIT DEADLOCK SYSTEM	STEEL	SECURITECH
34	-	2	REINFORCEMENT PLATES	STEEL	(4.365" X 4.390" X .105" THK.)
35	-	2	REINFORCEMENT BARS	STEEL	(5.050" X .105" X 44" LONG)

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 By: *Wahag I. Chaudhry*
 Miami Dade Product Control
 Division

Engr. JAVAD AHMAD
 CIVIL
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JA
 MAY 24 2010

af c
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date: 10-10-02
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 drawing no.
W02-94
 sheet 4 of 4