



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.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Firedoor Division of
ARK II Manufacturing, LLC
1350 N. W. 74th Street
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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series 4080F Single Flush Outswing Commercial Steel Door-Impact

APPROVAL DOCUMENT: Drawing No. W02-94 titled "Series 4080F Out-Swing Steel Entrance Door" Sheets 1 through 4 of 4, prepared by Al-Farooq Corporation, dated 10-10-02 and last revised on Nov 03, 2005, signed and sealed by Dr. Humayuon Farooq, P. E., bearing the Miami-Dade County Product Control Renewal 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: The doors are not approved, where water infiltration requirement is needed

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 renews # 05-1129.07 consists of this page 1, evidence sheet E-1, as well as approval document mentioned above.

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

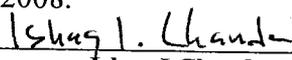


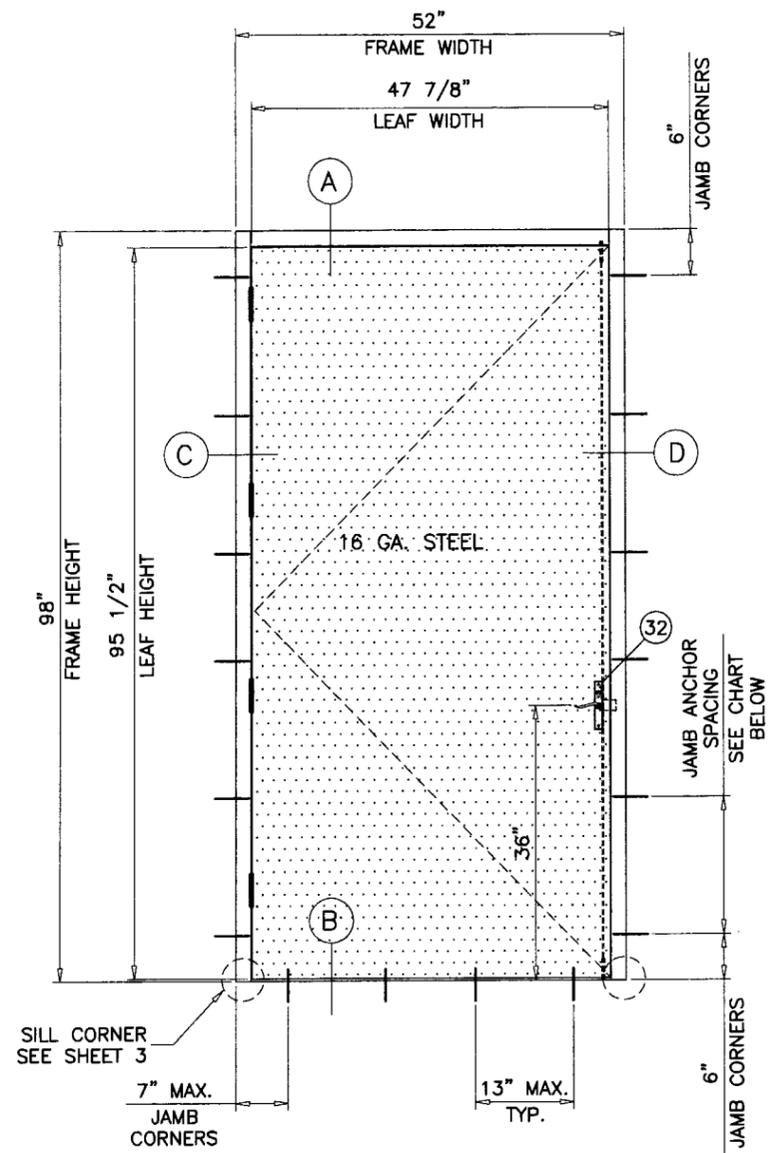
NOA No 08-0310.02
Expiration Date: June 12, 2012
Approval Date: June 12, 2008
Page 1

5/21/08

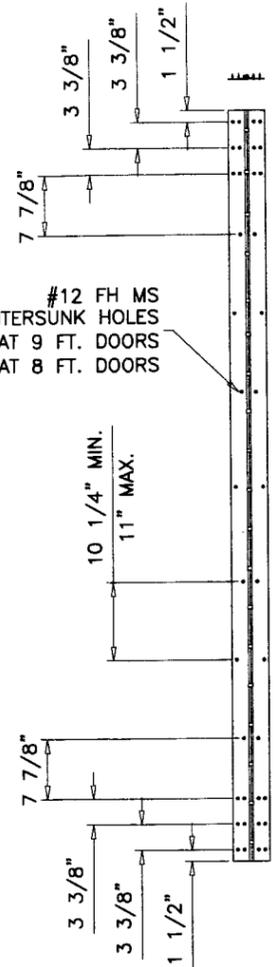
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- A. DRAWINGS** (Transferred from # **05-1129.07**)
1. Manufacturers die drawings and sections.
 2. Drawing No. **W02-94** titled "Series 4080F Out-Swing Steel Entrance Door" Sheets 1 through 4 of 4, prepared by Al-Farooq Corporation, dated 10-10-02 and last revised on Nov 03, 2005, signed and sealed by Dr. Humayuon Farooq, P. E.
- B. TESTS** (Transferred from # **05-1129.07**) 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** (Transferred from # **05-1129.07**)
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.
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO)
- E. MATERIAL CERTIFICATIONS** (Transferred from # **05-1129.07**)
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. Fegueredo, P.E.
 2. Notice of Acceptance No. 07-1107.08 issued to Dyplast Product, LLC (Former Apache Product) for "EPS-Expanded Polystyrene Insulation", expiring on 01/11/2012.
 3. Notice of Acceptance No. 01-1108.09 issued to Apache Products Company for "EPS-Expanded Polystyrene Insulation", expiring on 01/11/2007.
- E. STATEMENTS**
1. Statement letter of compliance to FBC 2004 and No change for renewal, dated 01-24, 2008 prepared by Al-Farooq Corporation, signed & sealed by Dr. Humayuon Farooq, P.E.
 2. Statement letter of compliance to FBC 2004 and No financial interest to test Lab, dated 10-21, 2005 prepared by Al-Farooq Corporation, signed and sealed by Dr. Humayuon Farooq, P.E. (Transferred from # **05-1129.07**)
 3. Statement letter of compliance, as part of above referenced test report, issued by Fenestration testing laboratory.
- G. OTHER**
1. This NOA **renews** NOA # **05-1129.07**, expiring June 12, 2008.

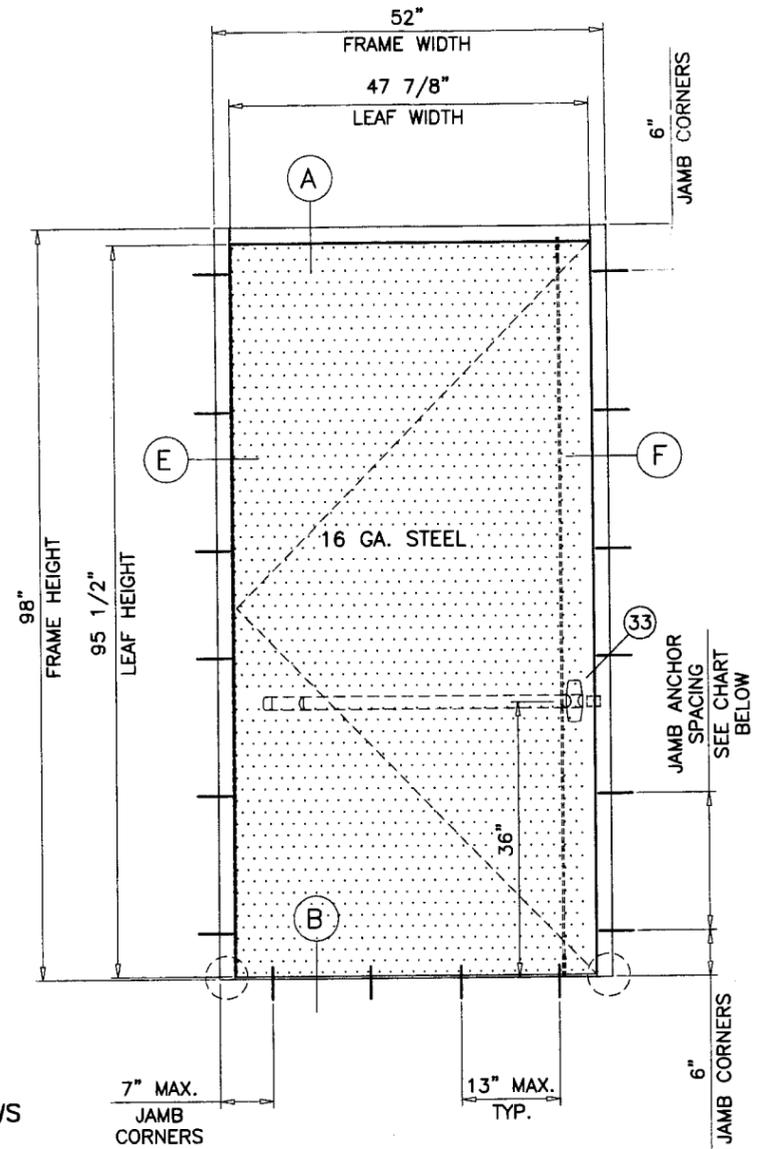

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 08-0310.02
Expiration Date: June 12, 2012
Approval Date: June 12, 2008



#12 FH MS
IN COUNTERSUNK HOLES
(38) AT 9 FT. DOORS
(36) AT 8 FT. DOORS



ROTON HINGE SCREWS



TYPICAL ELEVATION
TESTED UNITS

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 08-0310.02
Expiration Date JUNE 12, 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-1129.07
Expiration Date JUNE 12, 2008

By Ishtiaq I. Chanda
Miami Dade Product Control
Division

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Miami Dade Product Control
Division

DESIGN LOAD CAPACITY - PSF			
NOT APPROVED WHERE WATER INFILTRATION RESISTANCE IS REQD.			
FRAME WIDTH	ANCHORS TYPE 'A'		ANCHORS TYPE 'B'
	AT 12" O.C. EXT.(+)/INT.(-)	AT 18" O.C. EXT.(+)/INT.(-)	AT 18" O.C. EXT.(+)/INT.(-)
36"	200.0	161.8	200.0
42"	200.0	138.7	200.0
48"	182.0	121.3	200.0
52"	168.0	112.0	200.0

SEE SHEET 2 FOR DESCRIPTION OF ANCHORS TYPE 'A' OR 'B'.

SERIES-4080F OUT-SWING STEEL ENTRANCE DOOR

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

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

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

[Signature]
NOV 3 2005

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\W02-94FDC

SERIES-4080F OUT-SWING STEEL 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	by	description
A	03.02.04	REV. PER BCCO COMMENTS	
B	05.08.03	REV. PER BCCO COMMENTS	
C	07.18.05	UPDATED FOR 2004 FBC	

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

drawing no.
W02-94

sheet 1 of 4

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

TYPICAL ANCHORS @ JAMB: SEE ELEV. FOR SPACING

ANCHORS TYPE 'A'
5/16" DIA. TAPCONS
DIRECTLY INTO MASONRY (HOLLOW BLOCK OR CONC.)
1-1/4" MIN. EMBED INTO MASONRY

ANCHORS TYPE 'B'
3/8" DIA. SLEEVE ANCHOR HILT
DIRECTLY INTO MASONRY (HOLLOW BLOCK OR CONC.)
1-1/4" MIN. EMBED INTO MASONRY

3/8" SMS OR MACHINE BOLTS (MIN. GRADE 2 CRS)
INTO METAL STRUCTURES
(STEEL OR ALUMINUM 1/8" MIN. THICK.)
STEEL : Fy = 36 KSI MIN.
ALUMINUM : 6063-T5 MIN.

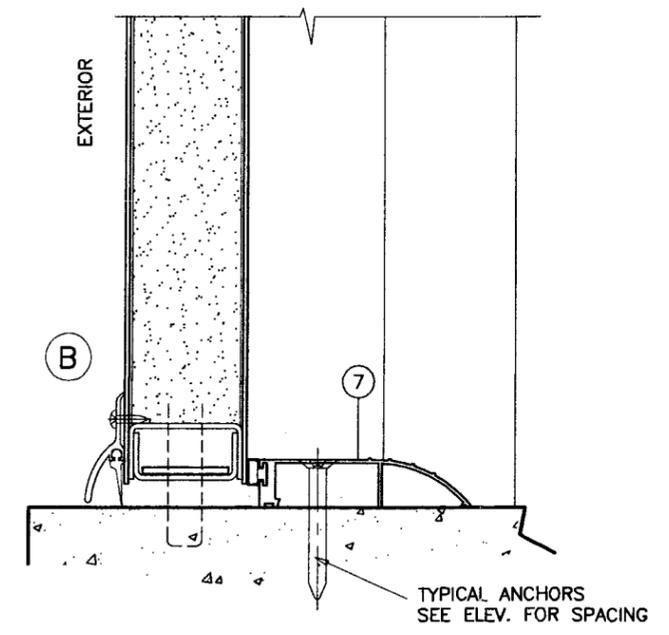
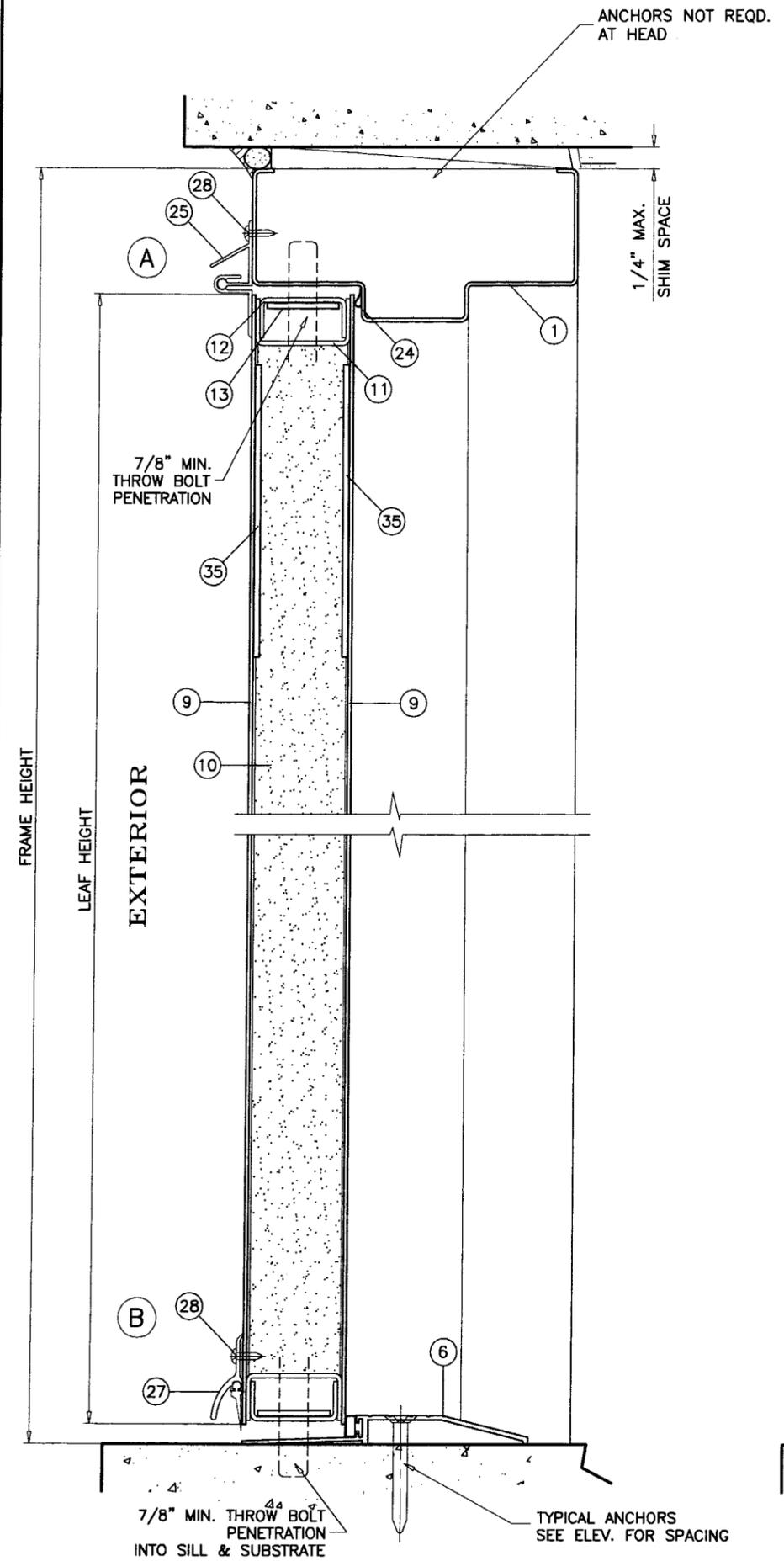
TYPICAL ANCHORS @ THRESHOLD: SEE ELEV. FOR SPACING
1/4" DIA. TAPCONS
DIRECTLY INTO MASONRY
WITH 1-1/2" MIN. EMBED INTO CONC. OR MASONRY

SEALANT:
FRAME CORNERS SEALED WITH SILICONE.

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 36" 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 36" 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



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 08-0310.02
Expiration Date JUNE 12, 2012
By Ishaq I. Chande
Miami Dade Product Control
Division

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-1129.07
Expiration Date JUNE 12, 2008
By Ishaq I. Chande
Miami Dade Product Control
Division

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

NOV 3 2005

afsc

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1235 SW 87 AVE
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SERIES-4080F OUT-SWING STEEL ENTRANCE DOOR
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no	date	by	description
A	03.02.04	REV. PER BCCO COMMENTS	
B	05.08.03	REV. PER BCCO COMMENTS	
C	07.18.05	ANCHORS REV.	

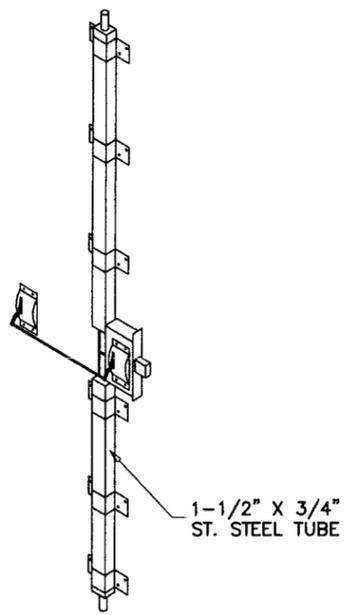
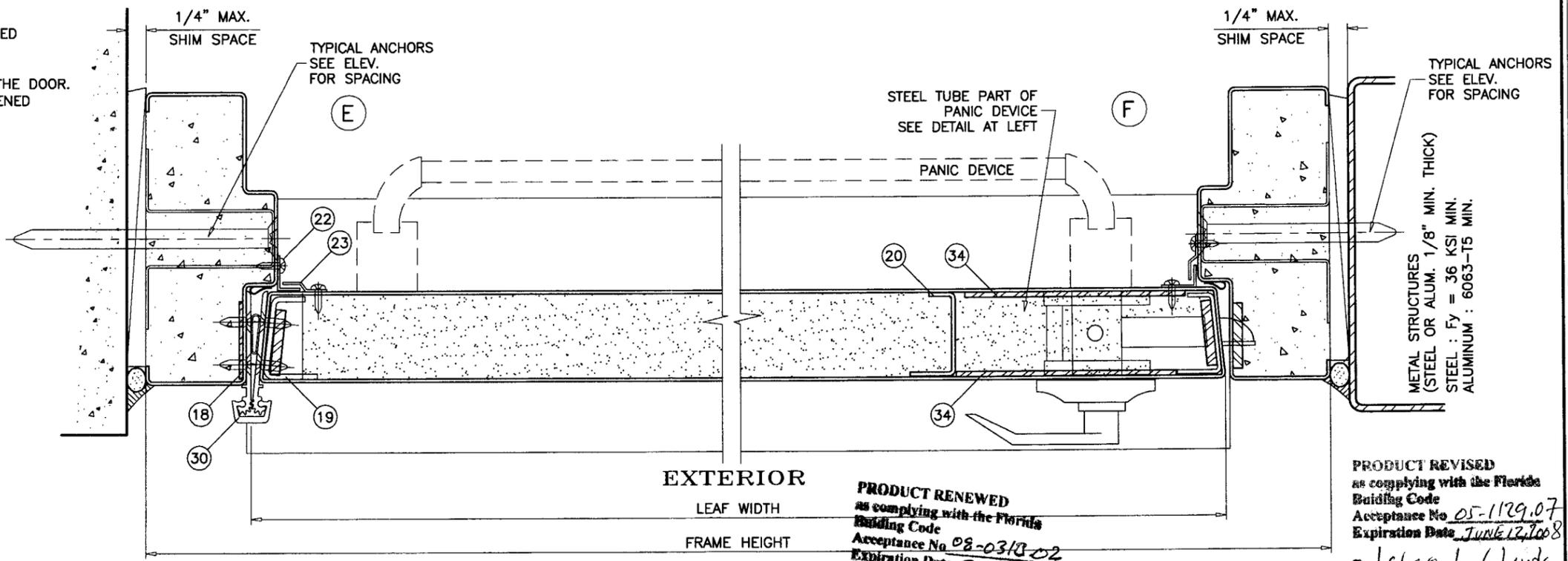
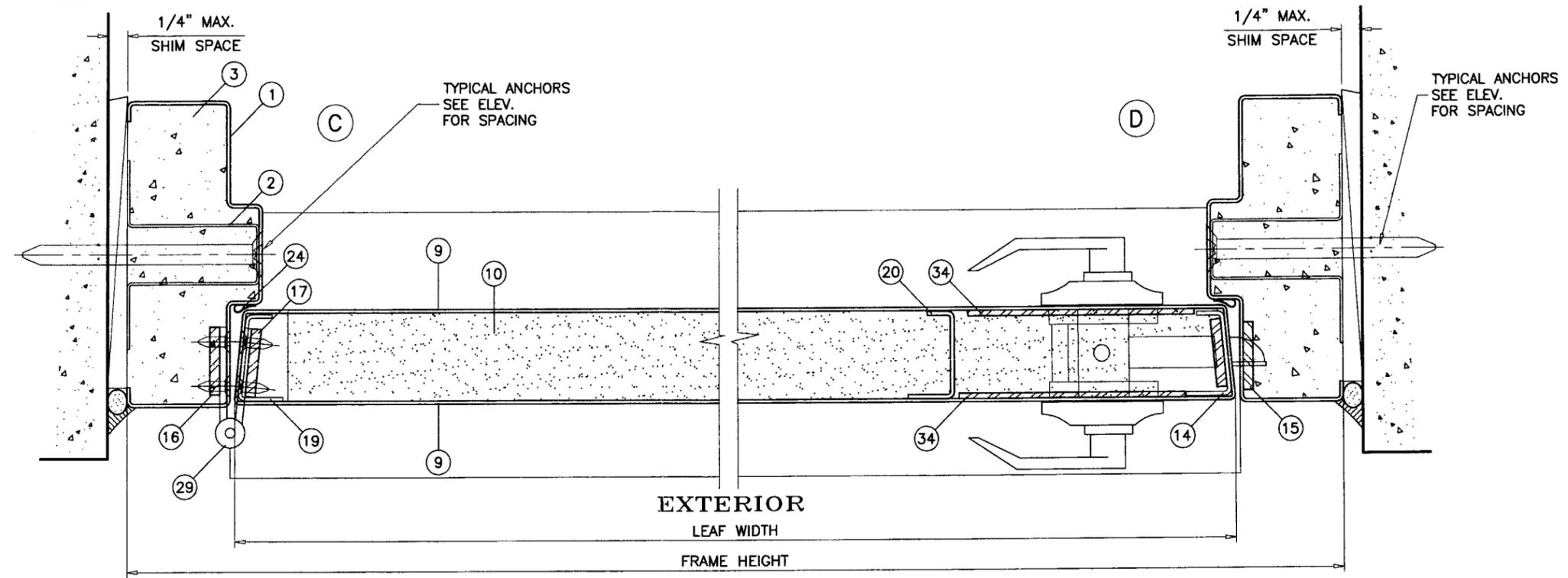
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scale: 3/8" = 1"
dr. by: HAMID
chk. by:

drawing no.
W02-94
sheet 2 of 4

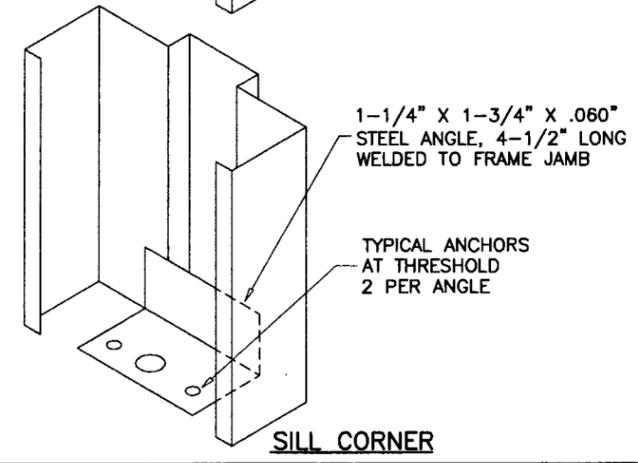
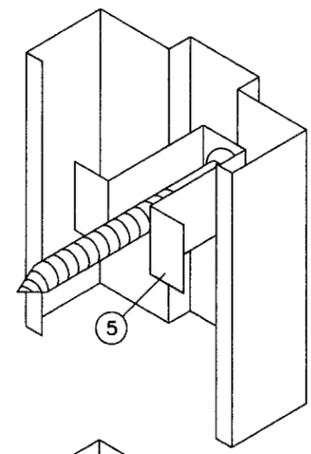
revisions:

no	date	description
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B	05.08.03	REV. PER BCCO COMMENTS
C	07.18.05	NO CHANGE THIS SHEET

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



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.

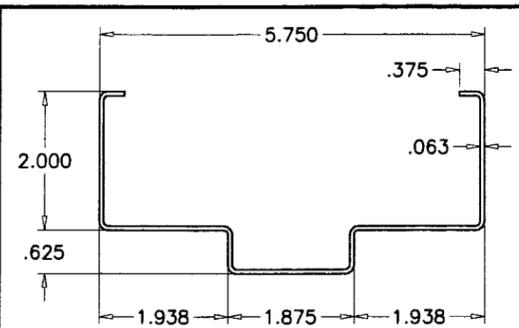


PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No. 08-0313-02
 Expiration Date JUNE 12, 2012
 By Leheng L. Chanda
 Miami Dade Product Control Division

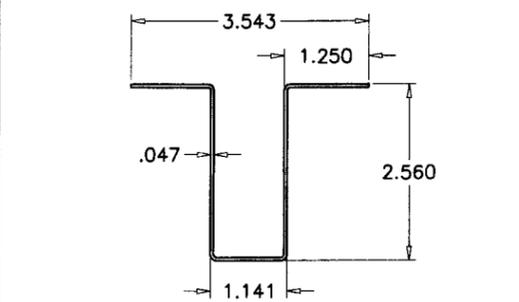
Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 NOV 03 2005

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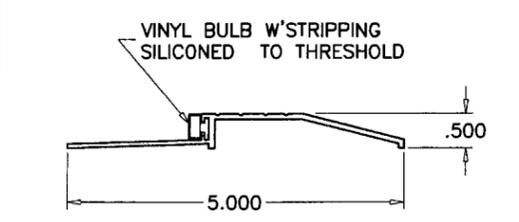
METAL STRUCTURES
 (STEEL OR ALUM. 1/8" MIN. THICK)
 STEEL : Fy = 36 KSI MIN.
 ALUMINUM : 6063-T5 MIN.



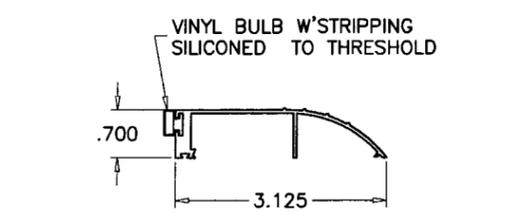
FRAME HEAD/JAMB



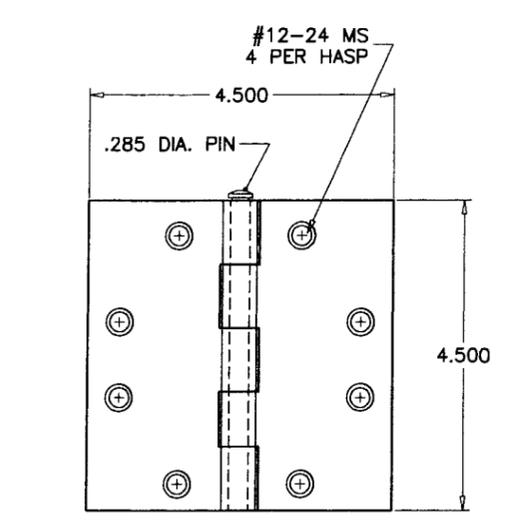
ANCHOR SPACER



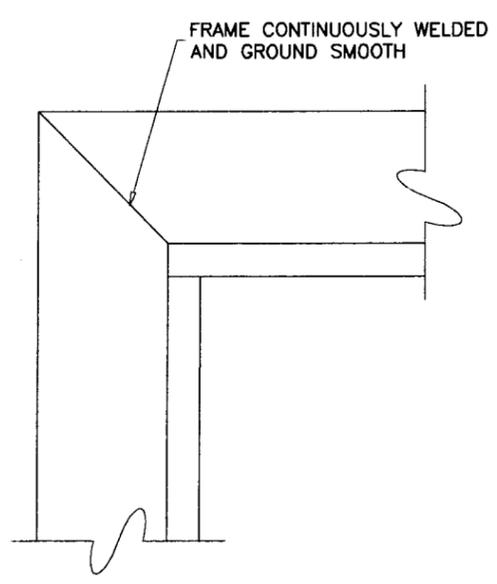
BUMPER THRESHOLD



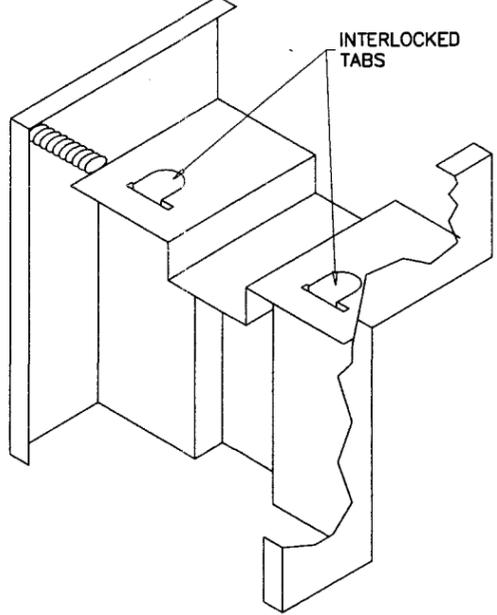
ALTERNATE THRESHOLD



.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 PAN	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 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)

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
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date: 10-10-02
scale: 3/8" = 1"
dr. by: HAMID
chk. by:

drawing no.
W02-94

sheet 4 of 4