



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 NW 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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "S-6070" Outswing Commercial Steel Door

APPROVAL DOCUMENT: Drawing No "05-07", titled "S-6070F Out-Swing Commercial St. Entrance Door", dated 02-07-05 and last revised on 03/09/2006, sheets 1 through 6 of 6, prepared by Al-Farooq Corporation., 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 and Small Missile Impact Resistant

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 NOA # 05-0426.04 consists of this page 1 and evidences page E-1, as well as approval document mentioned above.

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

NOA No 05-1129.03

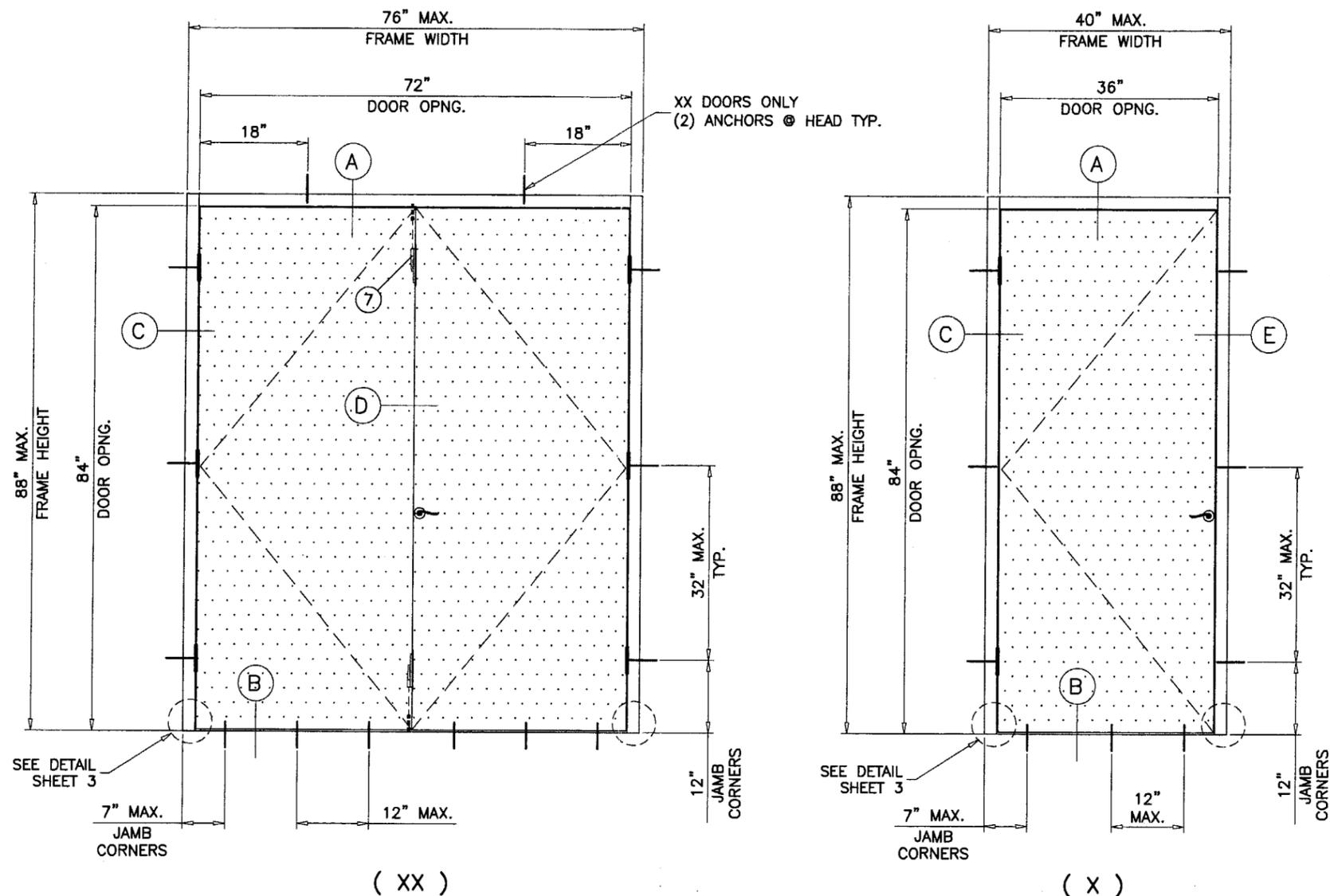
Expiration Date: July 28, 2010

Approval Date: March 30, 2006

Page 1



3/19/06



TYPICAL ELEVATIONS

SERIES-6070F OUT-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.

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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-1129.03
Expiration Date July 28, 2010
By Ishaq I. Chanda
Miami Dade Product Control
Division

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

MAR 09 2008

afc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

S-6070F OUT-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) 836-4797

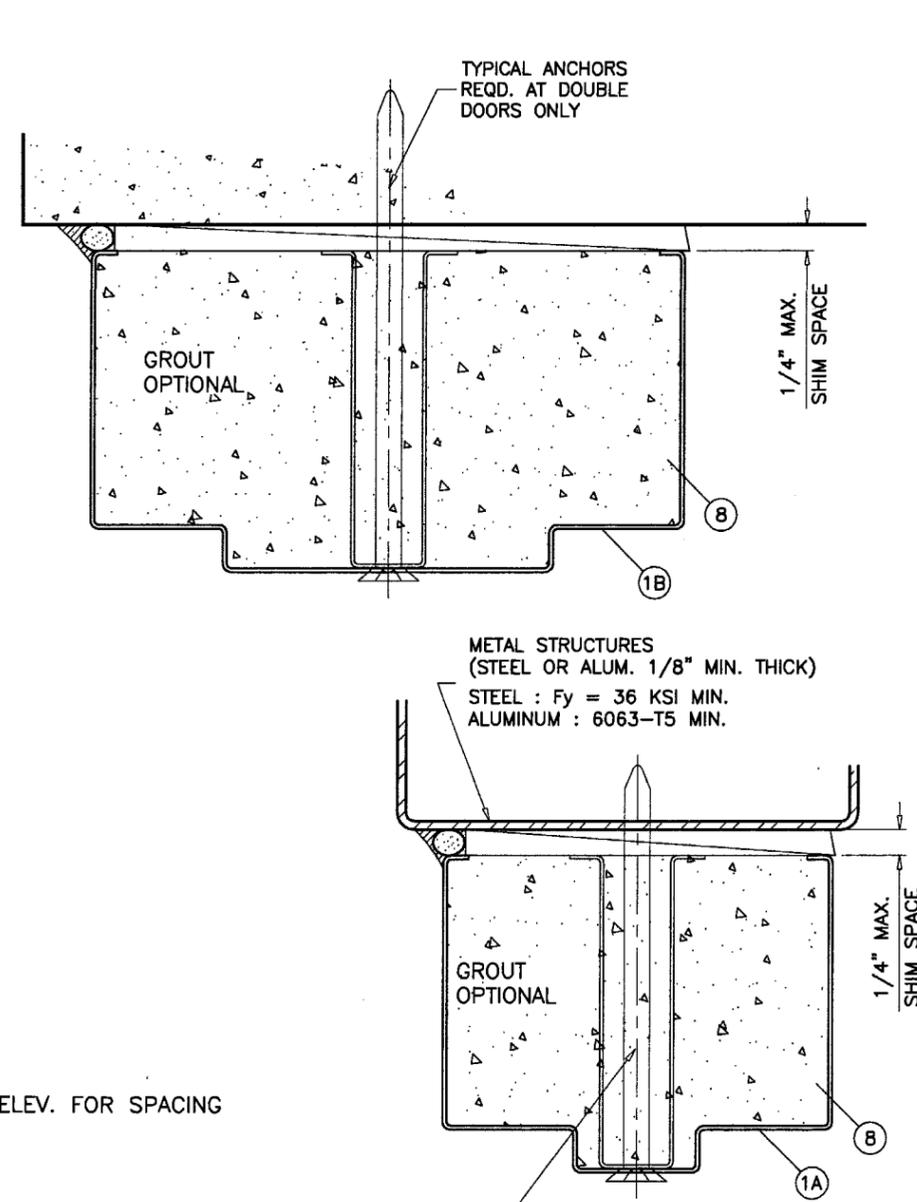
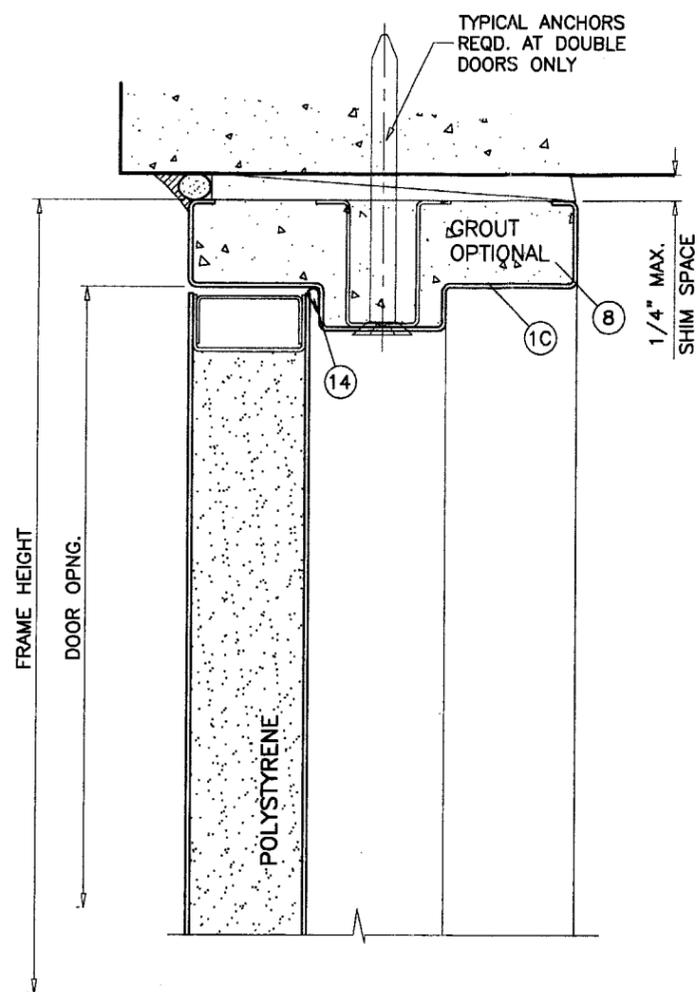
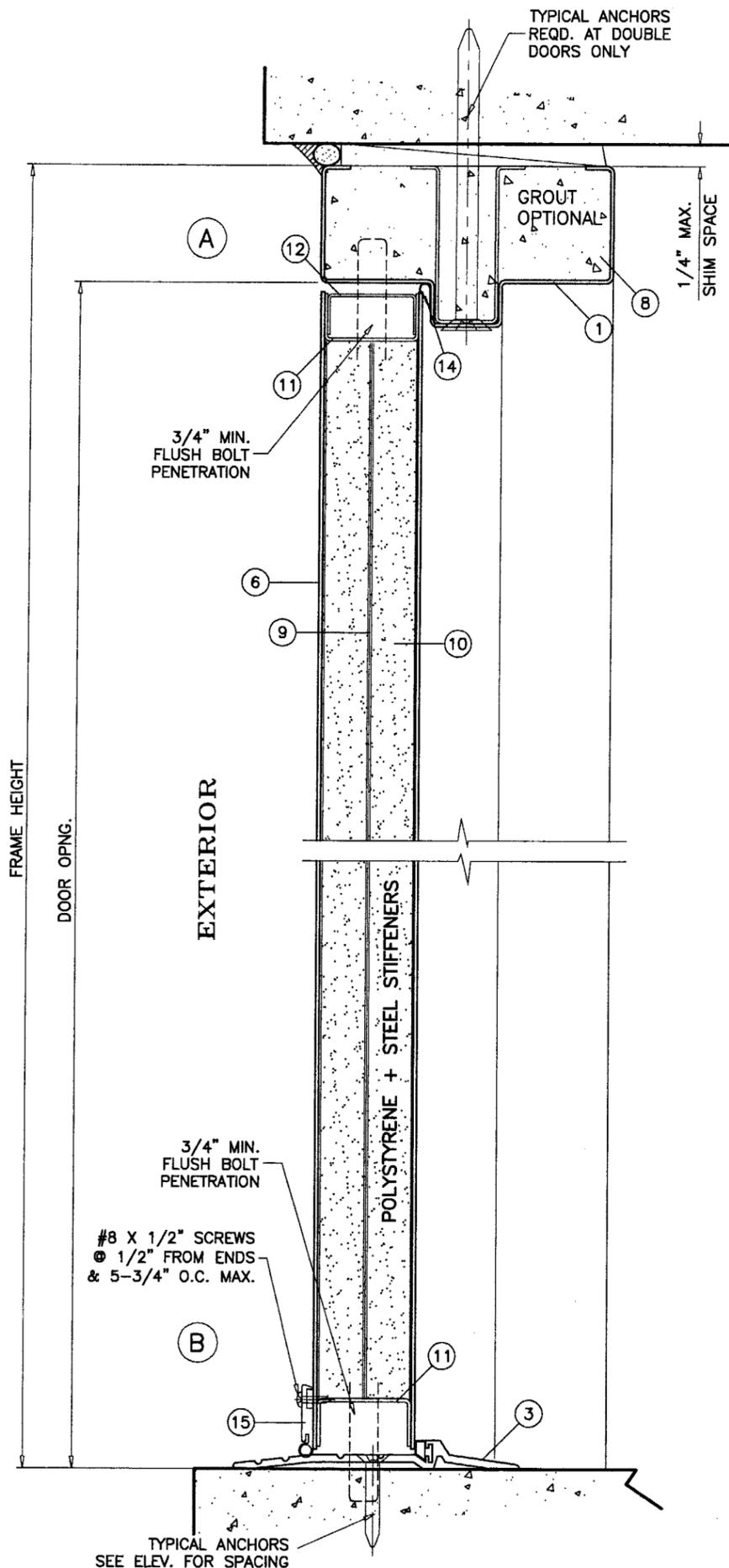
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B	07.18.05	UPDATED FOR 2004 FBC	
C	03.06.06	REV. PER BCCO COMMENTS	

date: 02-07-05
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W05-07

sheet 1 of 6

COMP-ANL\W05-07FDC



TYPICAL ANCHORS (THRU PIPE OR HAT): SEE ELEV. FOR SPACING

5/16" DIA. ITW TAPCONS
 DIRECTLY INTO CONC. OR MASONRY
 1-3/4" MIN. EMBED INTO CONC. OR MASONRY
 3-1/8" 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 : Fy = 36 KSI MIN.
 ALUMINUM : 6063-T5 MIN.
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL ANCHORS @ THRESHOLD:

1/4" DIA. TAPCONS
 DIRECTLY INTO CONCRETE
 WITH 1-1/2" MIN. EMBED INTO CONC.

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 By: Lucas J. Chauds
 Miami Dade Product Control
 Division

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
 F.L.A. PE # 16557
 C.A.N. 3538

WAR 09 2006

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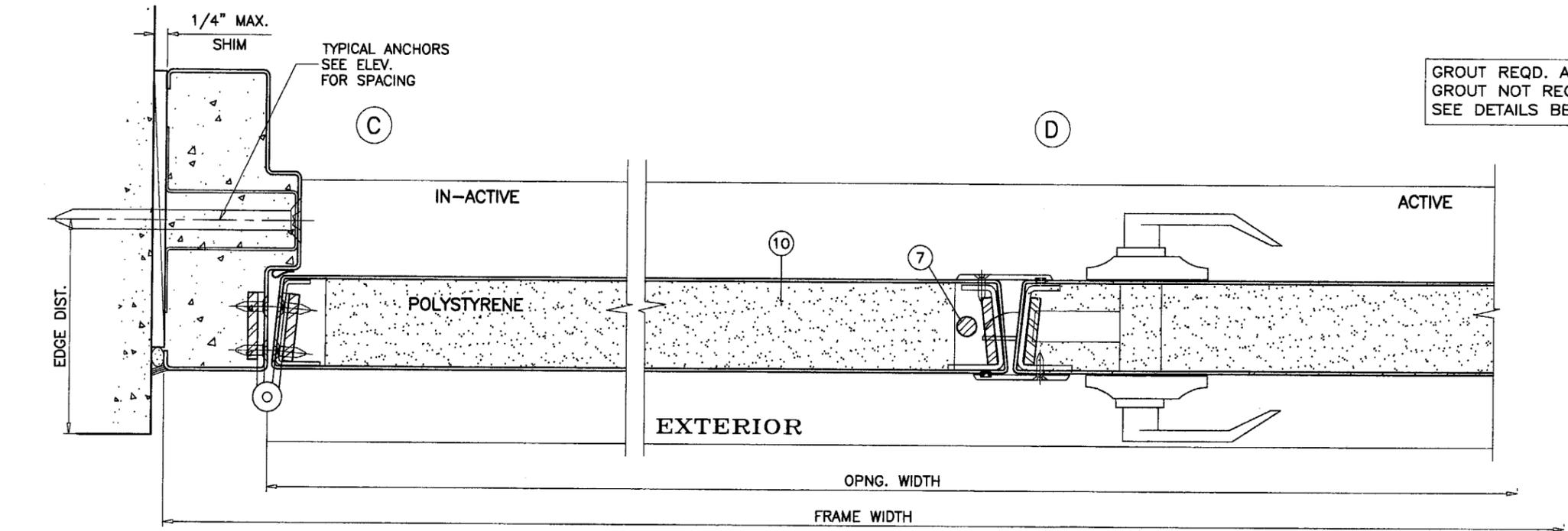
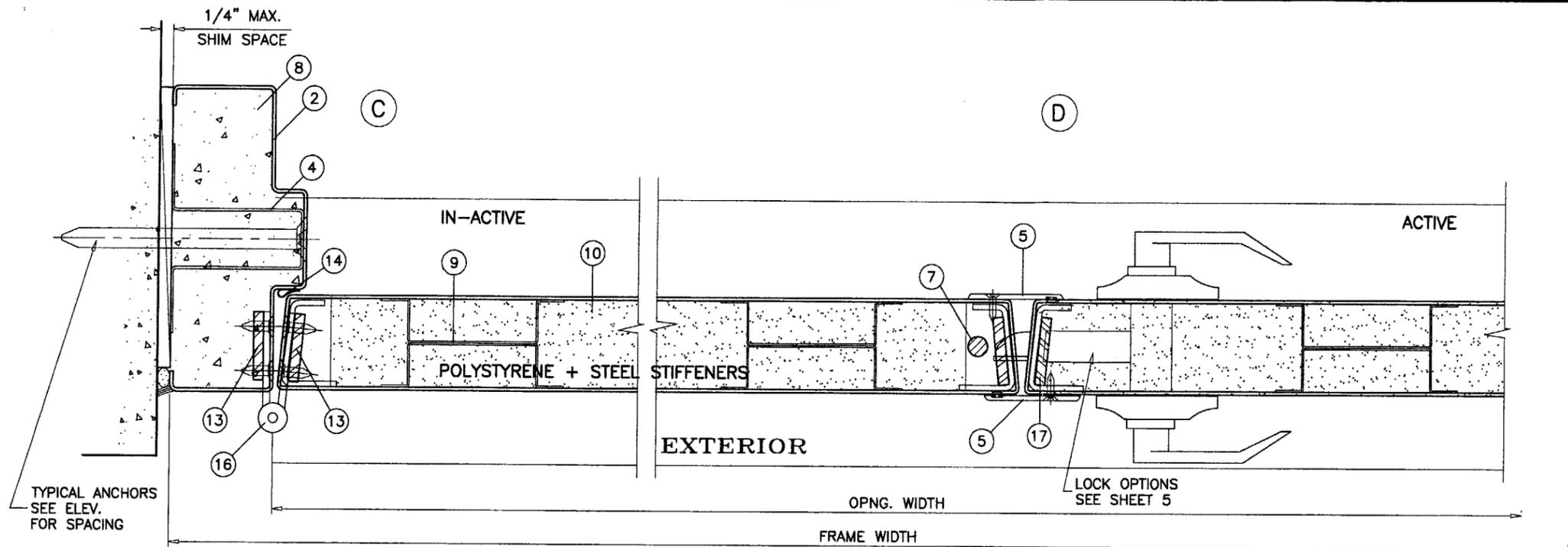
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B	07.18.05	SILL ANCHOR REV.
C	03.06.06	REV. PER BCCO COMMENTS

date: 02-07-05
 scale: 3/8" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W05-07

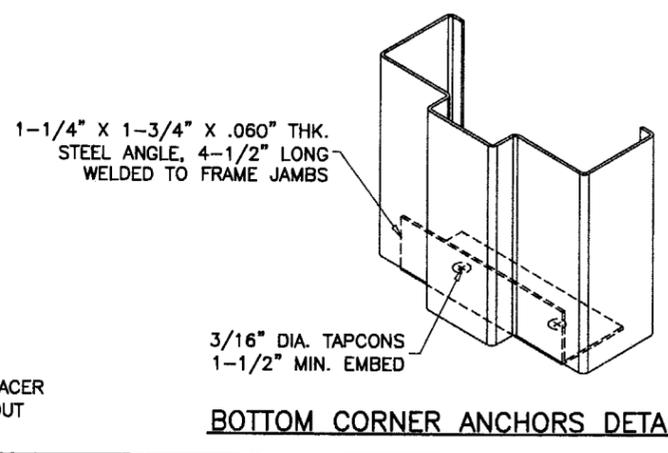
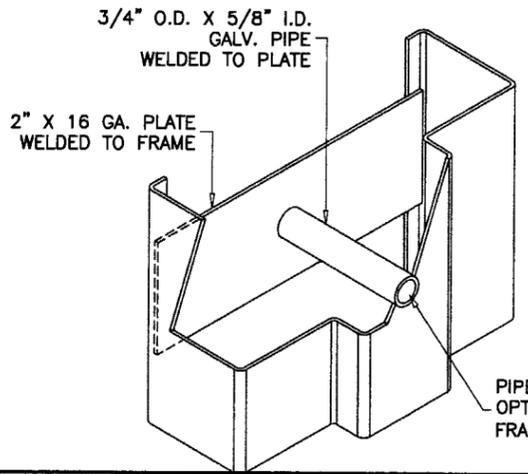
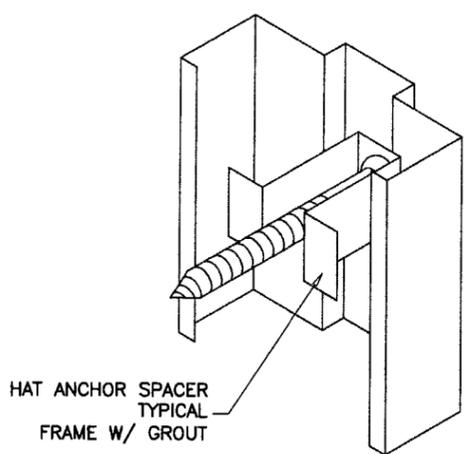
sheet 2 of 6

COMP-ANL\W05-07FDC



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

PRODUCT REVISED
 as complying with the Florida
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 By Ishag I. Chouda
 Miami Dade Product Control
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Engr. DR. HUMAYOUN FAROOQ
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 FLA. PE # 16557
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 COMP-ANL\W05-07FDC

S-6070F OUT-SWING COMMERCIAL ST. ENTRANCE DOOR

**FIREDOOR DIVISION OF
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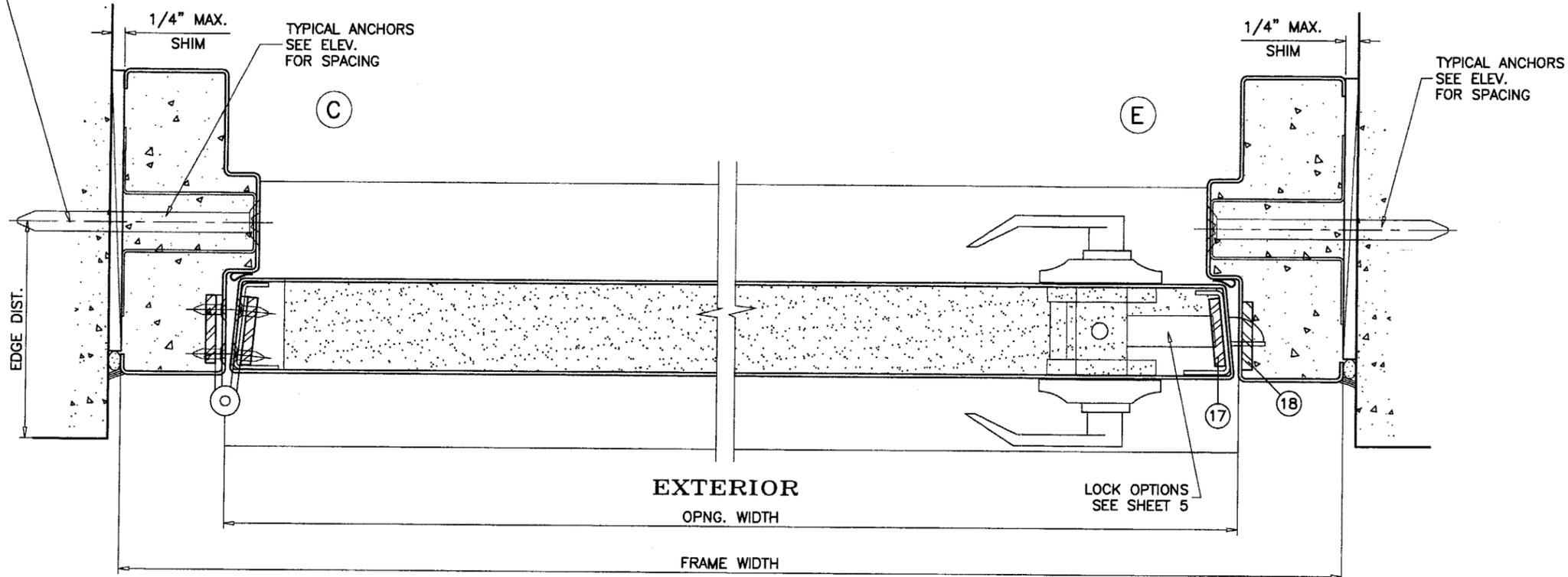
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date: 02-07-05	scale: 3/8" = 1"
dr. by: HAMID	chk. by:

drawing no.
W05-07

sheet 3 of 6

TYPICAL ANCHORS
SEE ELEV. FOR SPACING



EXTERIOR

OPNG. WIDTH

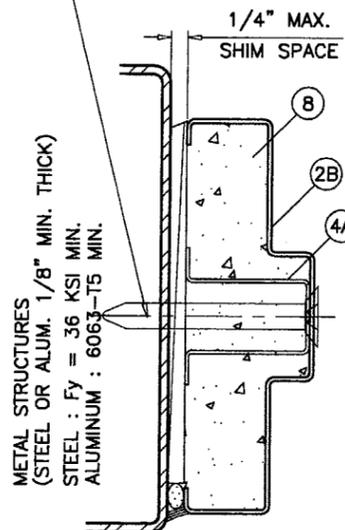
FRAME WIDTH

LOCK OPTIONS
SEE SHEET 5

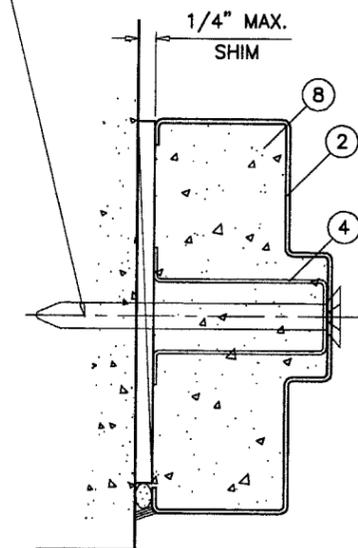
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By Shag J. Chandy
Miami Dade Product Control
Division

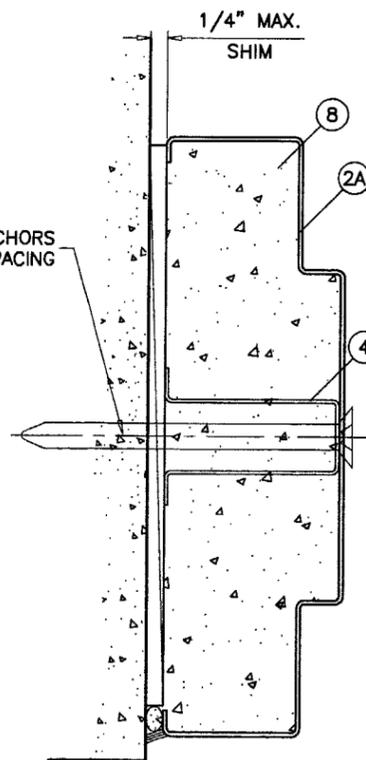
TYPICAL ANCHORS
SEE ELEV. FOR SPACING



TYPICAL ANCHORS
SEE ELEV. FOR SPACING



TYPICAL ANCHORS
SEE ELEV. FOR SPACING



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

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date: 02-07-05
scale: 3/8" = 1"
dr. by: HAMID
chk. by:

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W05-07

sheet 4 of 6

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:

ACTIVE LEAF:

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

INACTIVE LEAF

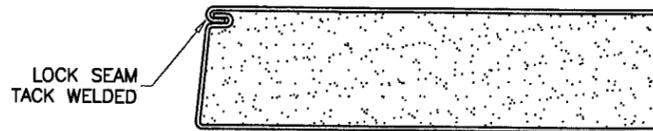
ROCKWOOD 555 FLUSHBOLTS MOUNTED 12" FROM EACH END OF
 DOOR TO CENTERLINE
 4-7/8" X 1-1/4" X 1/16" ASA STRIKE

NOTE: TOP AND BOTTOM FLUSH BOLTS MUST BE
 ENGAGED DURING PERIODS OF HURRICANE WARNING.

DOOR EDGE CONSTRUCTION OPTIONS:

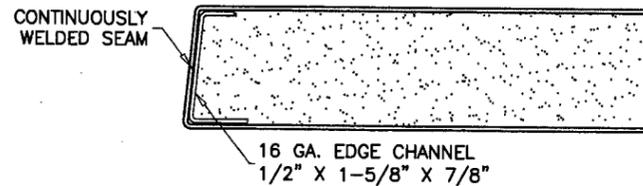
OPTION #1:

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	-	-	ASTRAGAL	-	1-1/4" X 12 GA.
6	-	-	DOOR	STEEL	18 GA. (.045") MIN. Fy = 38 KSI
7	-	2/ INACTIVE LEAF	SERIES 555 FLUSH BOLTS	STEEL	ROCKWOOD
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 W/ CURRENT NOA
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	-	1/ LEAF	DOOR SWEEP	-	-
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.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 25-1129.03
 Expiration Date, July 28, 2010
 By: (Signature) L. Chanda
 Miami Dade Product Control
 Division

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
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MAR 09 2006

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 COMP-ANL\W05-07FDC

S-6070F OUT-SWING COMMERCIAL ST. ENTRANCE DOOR

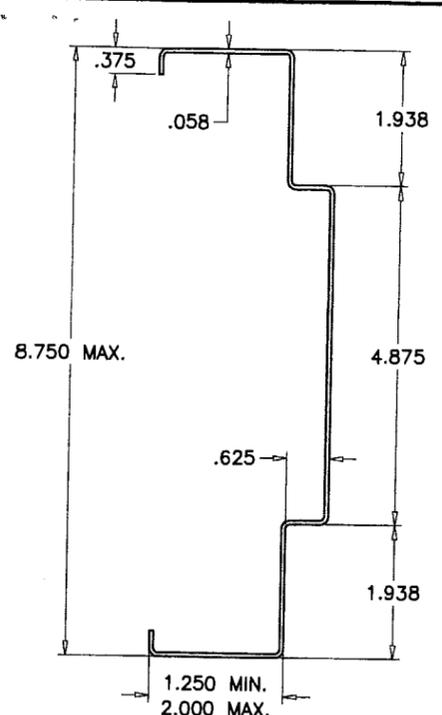
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no	date	by	description
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B	07.18.05		NO CHANGE THIS SHEET
C	03.06.06		REV. PER BCCO COMMENTS

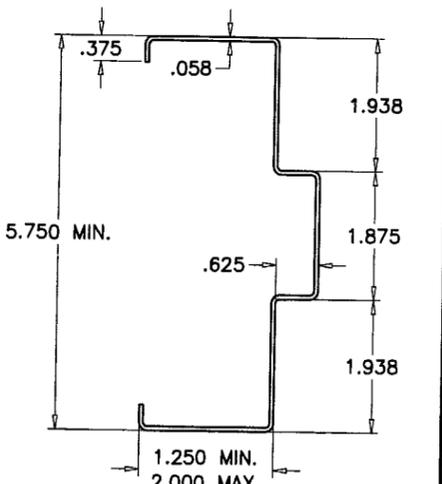
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 scale: 3/8" = 1"
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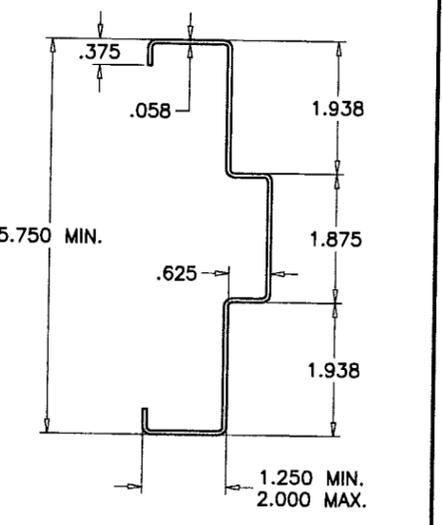
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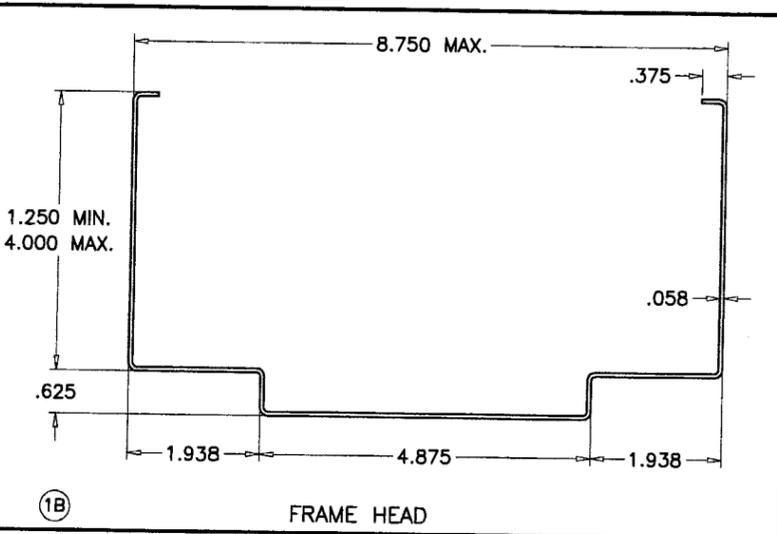
2A FRAME JAMB



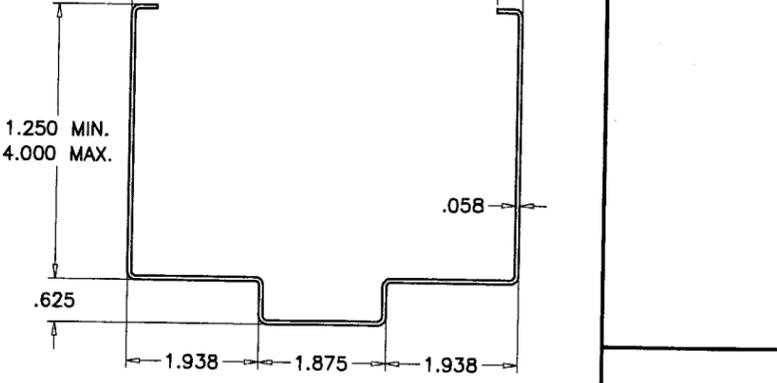
1 2 FRAME HEAD/JAMB



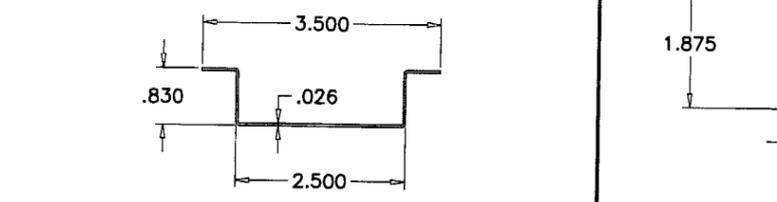
1C 2B FRAME HEAD/JAMB



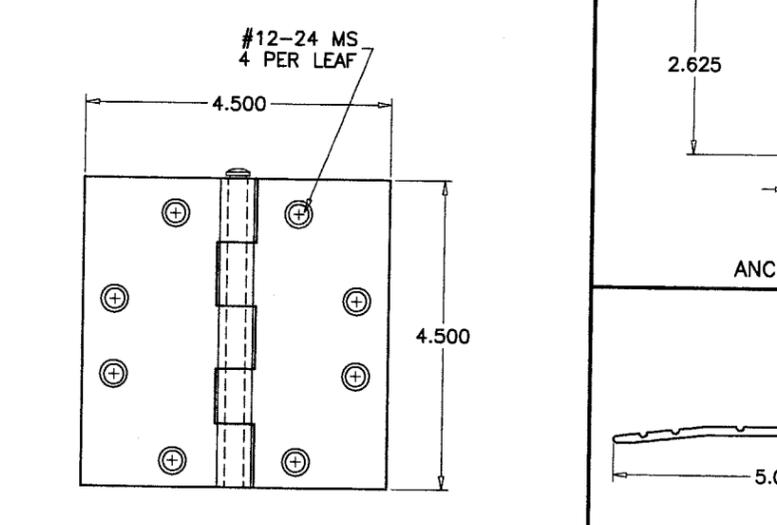
1B FRAME HEAD



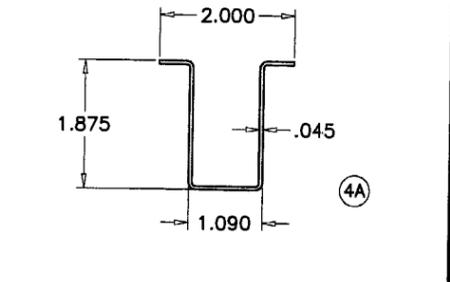
1A FRAME HEAD



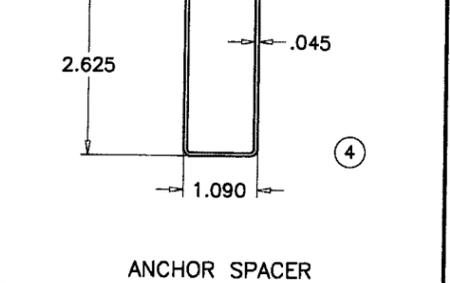
9 HAT CHANNEL REINFORCING



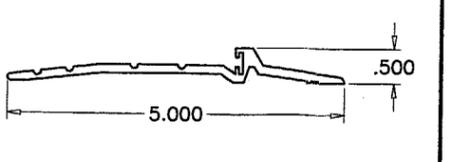
16 .134" THICK STEEL HINGE



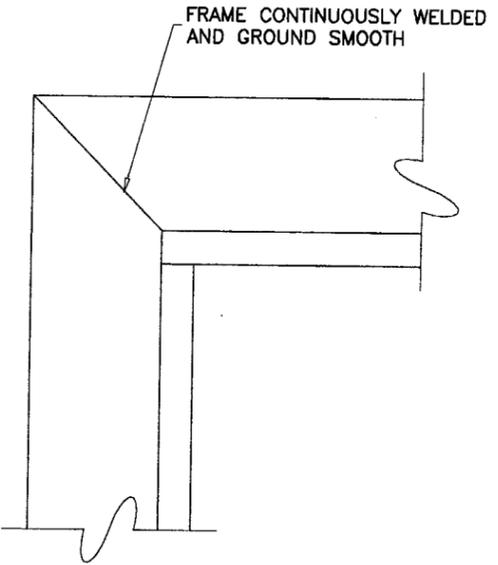
4A ANCHOR SPACER



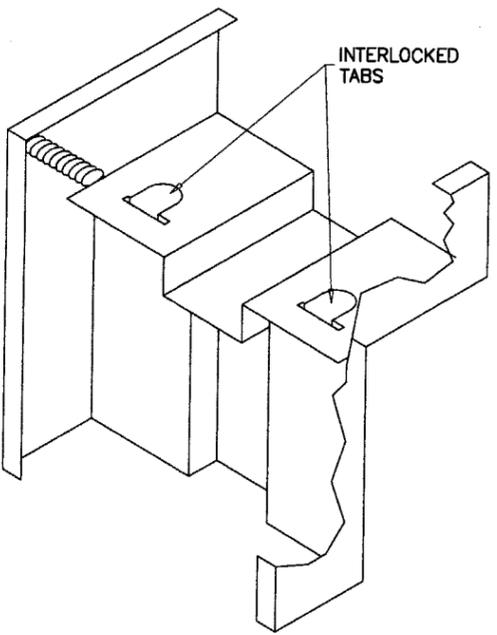
4 ANCHOR SPACER



3 BUMPER THRESHOLD



FRAME CORNERS



INTERLOCKED TABS

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 as complying with the Florida
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 By: Iskag J. Lhanda
 Miami Door Product Control
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