



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)

Amweld 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 "8080 HMD-1L" Outswing Steel Louvered Door-L.M.I.

APPROVAL DOCUMENT: Drawing No "W06-01", titled "Firedoor series 8080 HMD-1L" Out-Swing ST. Louvered DR.", sheet 1 through 6 of 6, dated 01-05-06 and last revised on APR 06, 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. Not approved where Air and water infiltration Resistant is needed.
2. Frame jambs and Header 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 # 06-0222.10 (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.**



NOA No 09-0923.11
Expiration Date: June 22, 2011
Approval Date: September 01, 2010

8/16/11

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- A. DRAWINGS (Transferred from # 06-0222.10)**
1. Manufacturers die drawings and sections.
 2. Drawing No "**W06-01**", titled "Firedoor series 8080 HMD-1L" Out-Swing ST. Louvered DR.", sheet 1 through 6 of 6, dated 01-05-06 and last revised on APR 06, 2010, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.

- B. TESTS (Transferred from # 06-0222.10)**
1. Test reports on
 - 1) Air Infiltration Test, per FBC TAS 202-94 (Not conducted)
 - 2) Uniform Static Air Pressure Test Loading per FBCTAS 202-94
 - 3) Water Resistance Test, per FBC TAS 202-94 (Not conducted)
 - 4) Forced Entry test per FBC, TAS 202-94
 - 5) Large Missile Impact Test, FBC TAS 201-94
 - 6) Cyclic Loading Test, per FBC TAS 203-94

Along with marked-up drawings and installation diagram of outswing louvered door, prepared by Fenestration Testing Laboratory, Test Report No. **FTL-4718** dated 10/11/05, signed and sealed by Edmundo Largaespada, P.E.

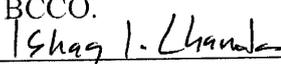
- C. CALCULATIONS**
1. Anchor verification dated June 24, 2009 and last revised on Apr 06, 2010, prepared by Al-Farooq Corporation, complying w/ FBC 2007, signed and sealed by Javad Ahmad, P.E.

- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO)

- E. MATERIAL CERTIFICATIONS**
1. Tensile test report prepared by Fenestration Testing Laboratories Inc., report No. FTL050507 (**4768**), dated 12/20/05 for Steel samples, tested per ASTM E-A370, signed and sealed by Edmundo Largaespada, 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.
 3. Test report for "Surface Burning Characteristics of Building Material" for Ownes Corning, RA-24 insulation per ASTM E-84 issued by Underwriters Laboratories listing "UL file R3576" dated 1966-09-20 and revised on 2004-09-22.

- E. STATEMENTS**
1. Statement Letter of conformance and letter of "No financial interest to test Lab" issued by Al-Farooq Corporation, both letters dated April 06, 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, renews and replaces NOA # **06-0222.10** (Former **Firedoor, Div. Ark II Manufacturing, LLC**), expiring on June 22, 2011.
 2. Commitment letter by Amweld Int'l., dated 03/31/10 for 5/16" Tapcon re-verification test.
 3. Test proposals # **05-0083** and dated 05/09/05 approved by BCCO.

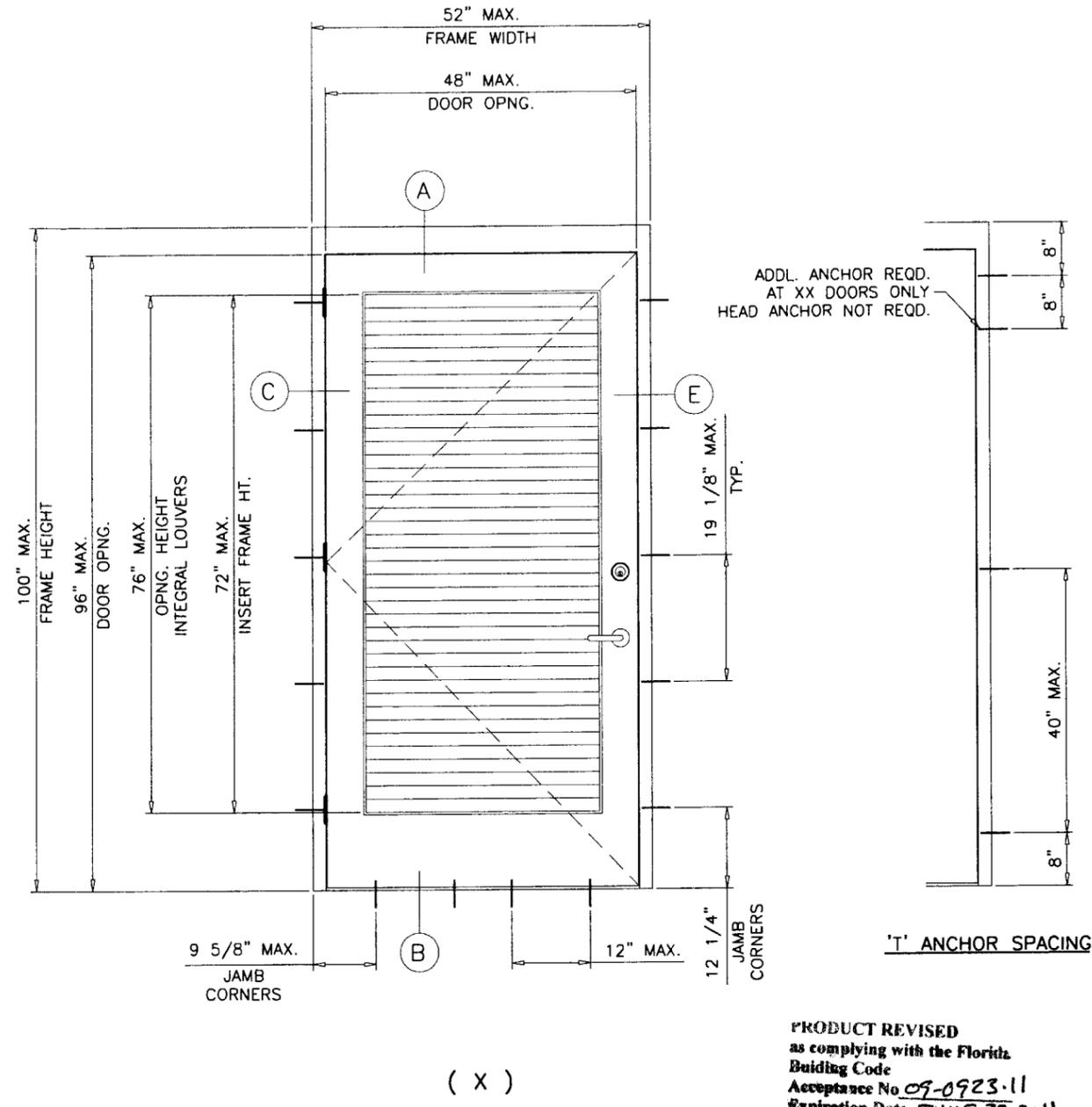
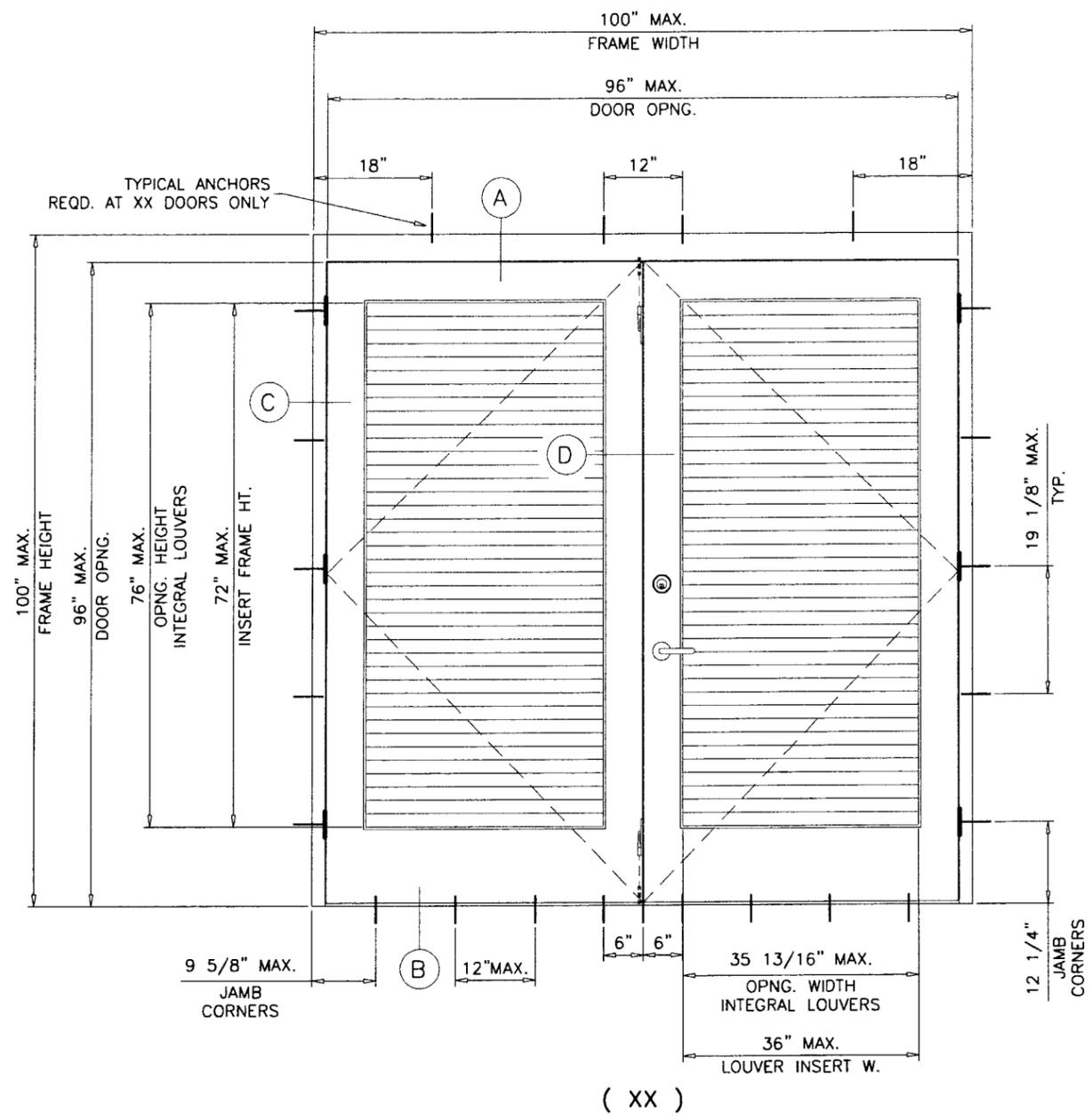


Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 09-0923.11
Expiration Date: June 22, 2011
Approval Date: September 01, 2010

no.	date	description
A	05.18.06	REV. PER BCCO COMMENTS
B	06.16.09	UPDATED FOR 2007 FBC
C	10.20.09	NO CHANGE THIS SHEET
D	03.10.10	REV. PER BCCO COMMENTS

date: 01-05-06
 scale: 1/2" = 1'-0"
 dr. by: HAMID
 chk. by:

drawing no.
W06-01
 sheet 1 of 6



**S-8080 HMD-IL OUT-SWING
 COMMERCIAL STEEL LOUVERED ENTRANCE DOOR**

DOORS NOT APPROVED FOR INSTALLATIONS WHERE AIR AND 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 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.

TYPICAL ELEVATIONS

APPROVAL APPLIES TO DOORS WITH
 16 GA. STANDARD INTEGRAL LOUVERS OR
 18 GA. LOUVER FRAME INSERT
 SEE SHEETS 2 & 3 FOR DETAILS

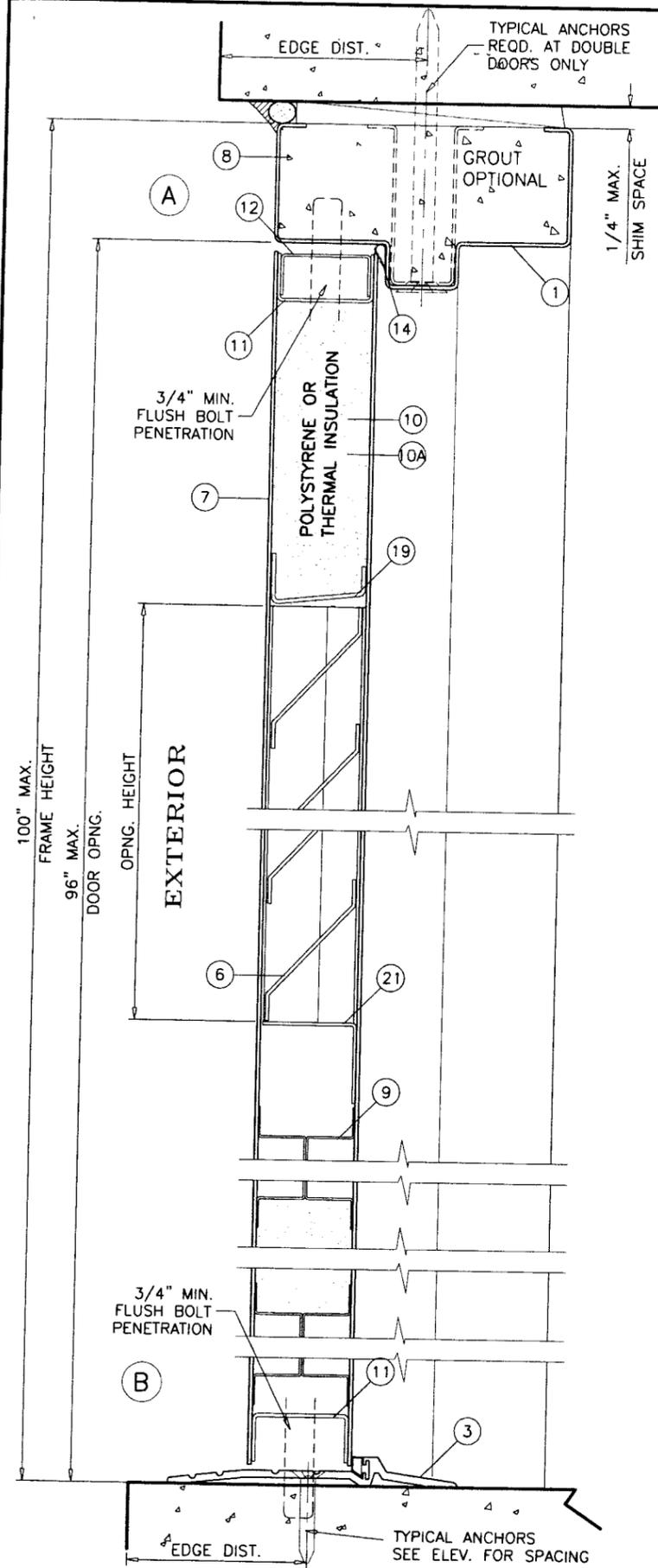
MAXIMUM DESIGN LOAD RATING = + 75.0 PSF
 (FOR SIZES SHOWN ABOVE OR SMALLER) - 75.0 PSF
 AS PERMITTED BY FBC

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

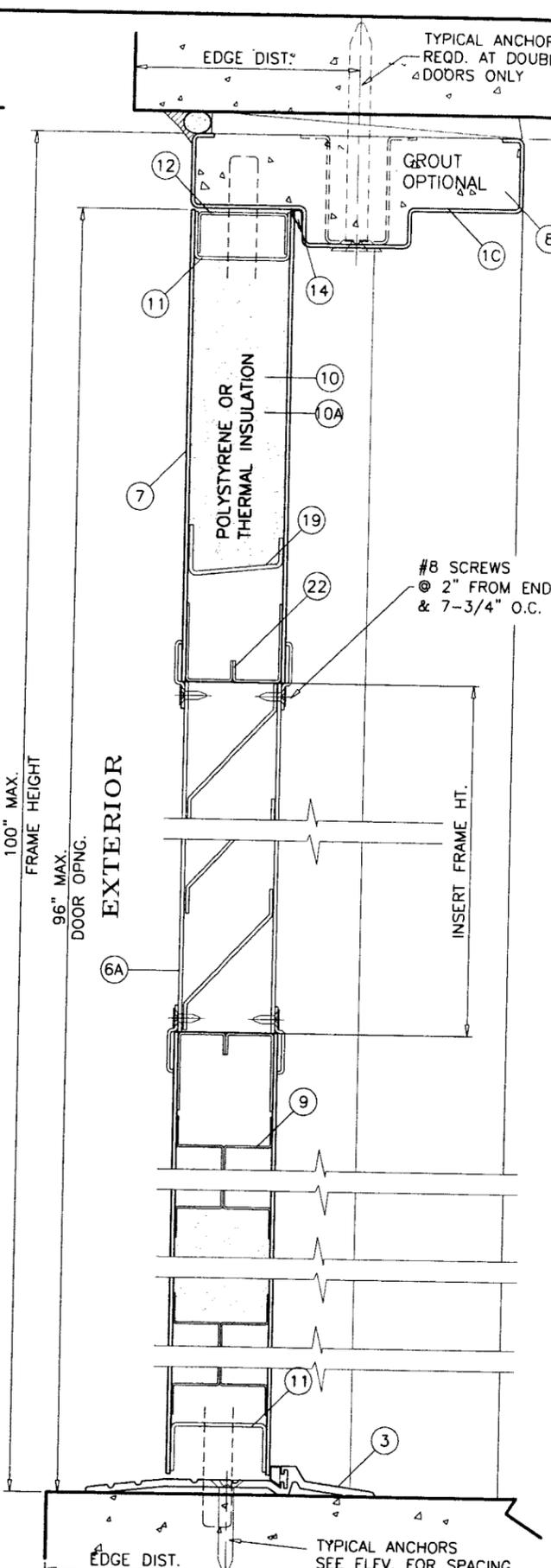
Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538

JA
 APR 06 2010

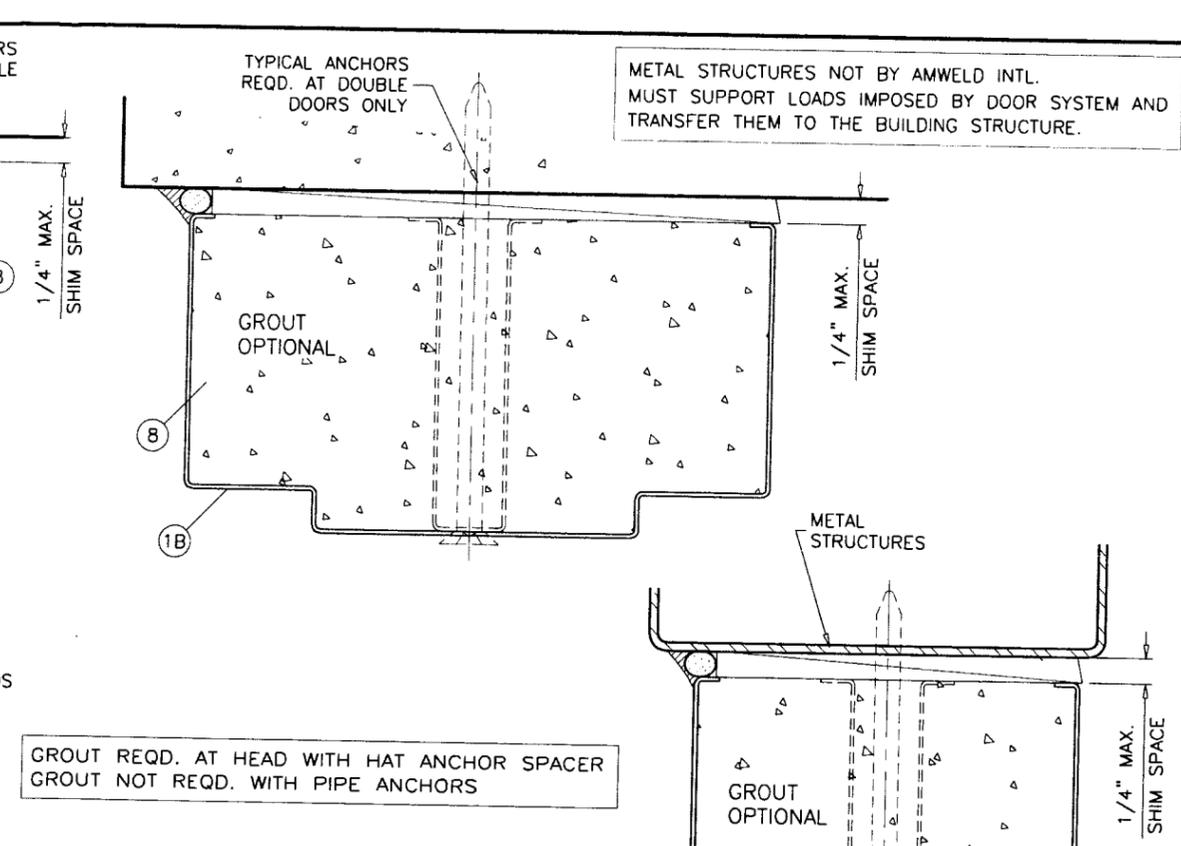
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 09-0923-11
 Expiration Date JUNE 22, 2011
 By Ishay I. Chandra
 Product Control
 Division



**DOORS WITH
STD. INTEGRAL LOUVERS**



**DOORS WITH
LOUVER FRAME INSERT**



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

5/16" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONC. OR MASONRY
1-1/2" MIN. EMBED INTO CONCRETE
1-1/4" MIN. EMBED INTO MASONRY (@ JAMBS ONLY)
3-1/8" MIN. EDGE DISTANCE

3/8" DIA. CARBON STEEL SLEEVE ANCHOR HILTI
DIRECTLY INTO CONC. OR MASONRY
1-5/8" MIN. EMBED INTO CONCRETE
1-5/8" MIN. EMBED INTO MASONRY (@ JAMBS ONLY)
3-1/2" MIN. EDGE DISTANCE

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)

'T' ANCHORS
7-7/8" MIN. EMBEDDED BETWEEN BLOCKS (@ JAMBS ONLY)
SEE SHEET 5 FOR DETAIL

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:
ALL JOINTS AND CORNERS SEALED WITH SILICONE.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 09-0723-11
Expiration Date JUNE 22, 2011
By Ching I. Chanda
Minimal Code Product Control
Division

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

APR 06 2010
JA

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W06-01FDC

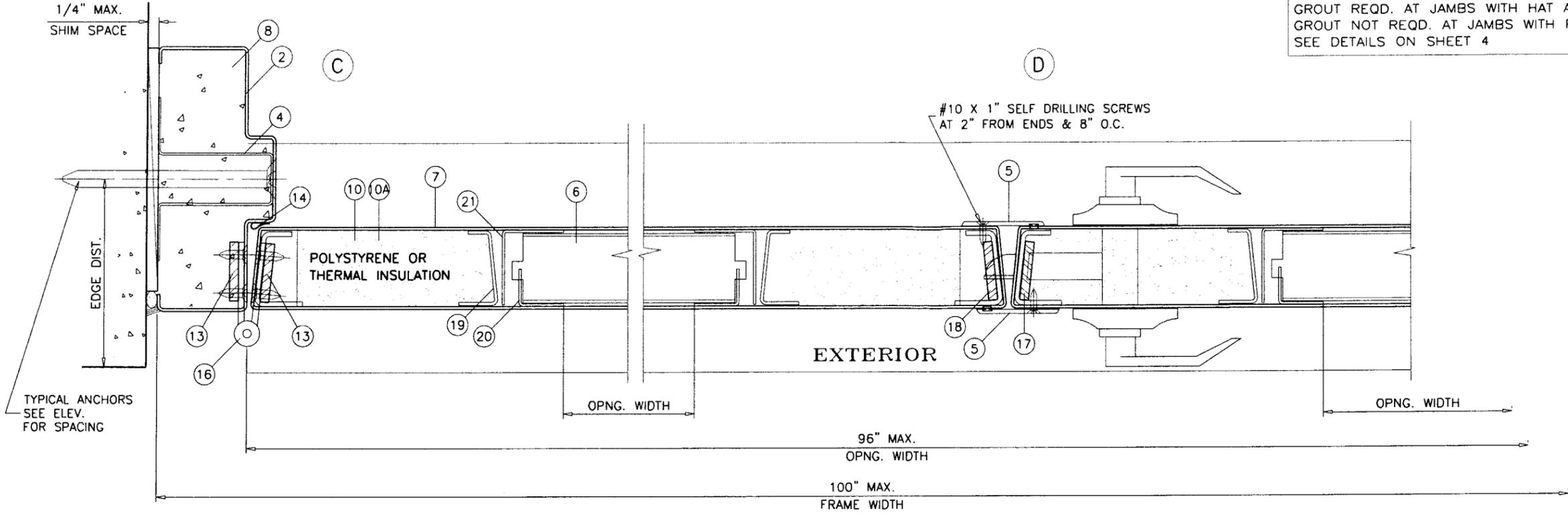
FIREDOOR S-8080 HMD-IL OUT-SWING ST. LOUVERED DR.
AMWELD INTERNATIONAL, LLC
301 S NORTHPOINT DRIVE SUITE #400
CORPELL, TX. 75019
TEL. (469) 656-4789 FAX. (214) 329-0911

no	date	by	description
A	05.18.06		REV. PER BCCO COMMENTS
B	06.16.09		UPDATED FOR 2007 FBC
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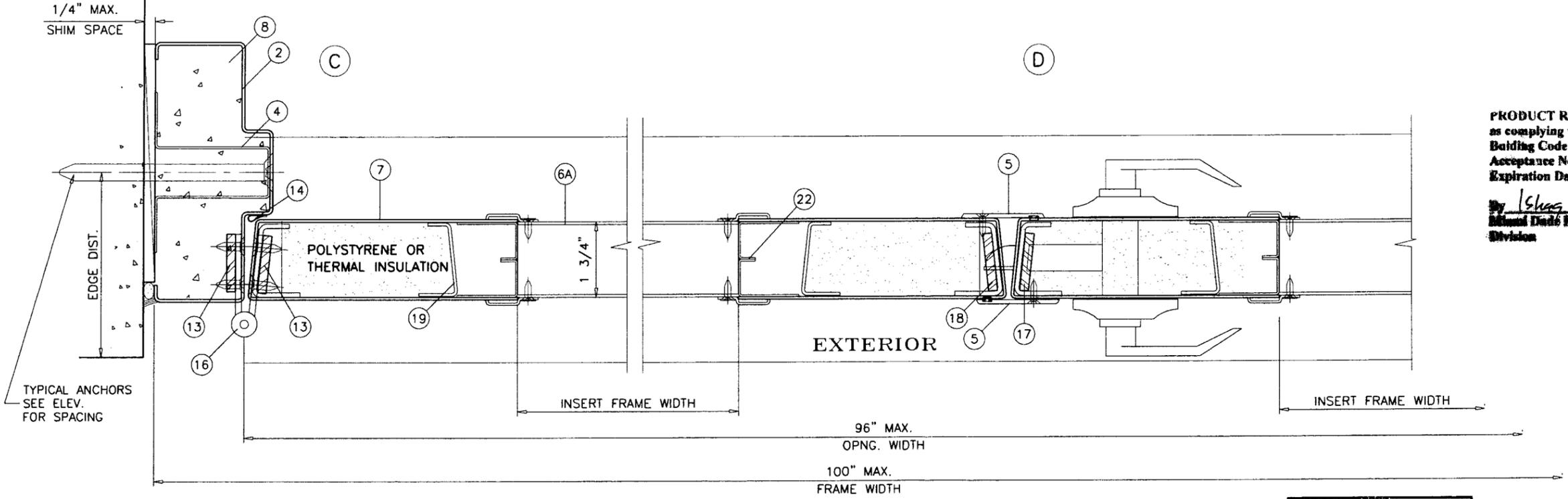
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scale: 3/8" = 1"
dr. by: HAMID
chk. by:

drawing no.
W06-01
sheet 2 of 6

GROUT REQD. AT JAMBS WITH HAT ANCHOR SPACER
 GROUT NOT REQD. AT JAMBS WITH PIPE ANCHORS
 SEE DETAILS ON SHEET 4



**DOORS WITH
 STD. INTEGRAL LOUVERS**



**DOORS WITH
 LOUVER FRAME INSERT**

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 09-0923.11
 Expiration Date JUNE 22, 2011
 By Shag I. Chande
 Internal Data Product Control
 Division

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

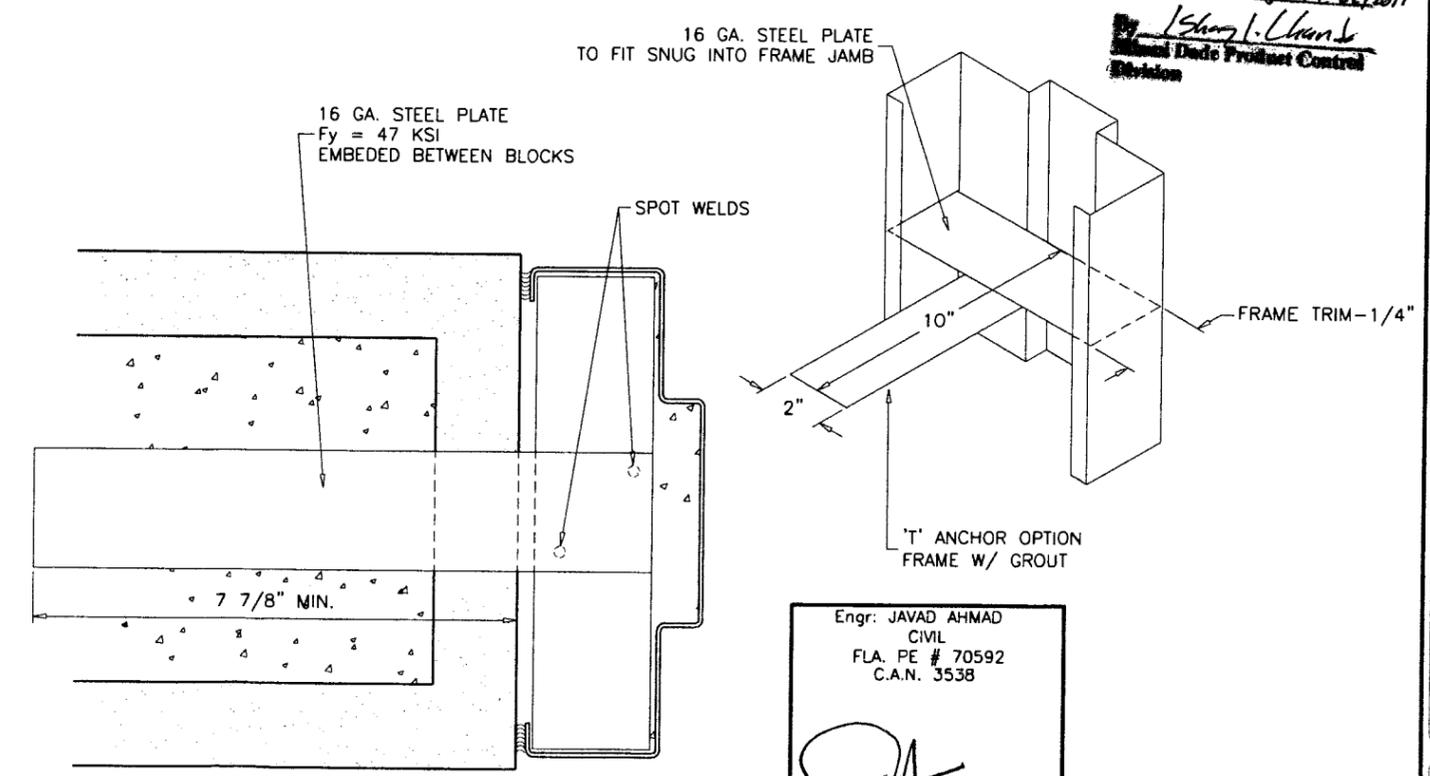
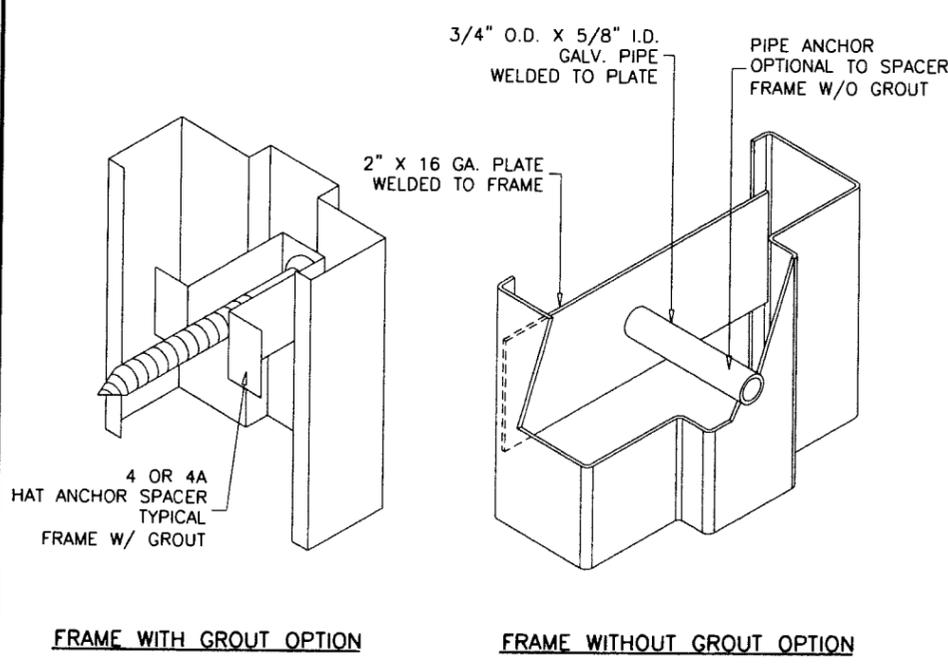
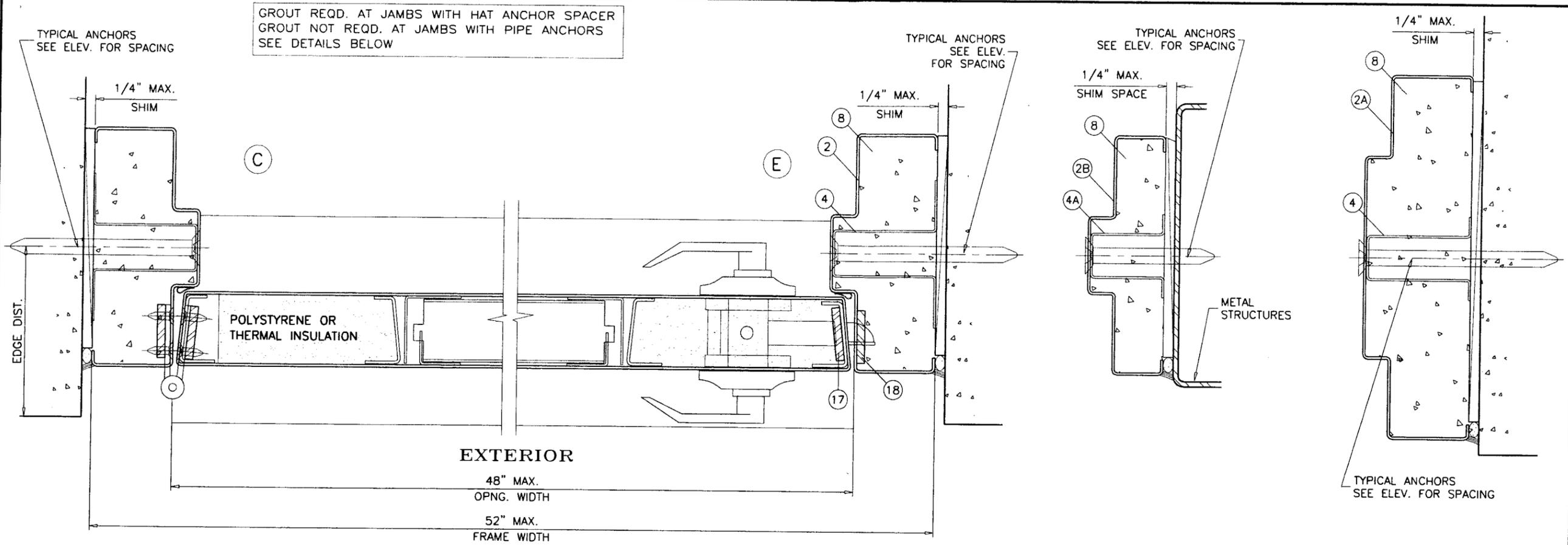
 APR 06 2010

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\W06-01FDC

FIREDOOR S-8080 HMD-IL OUT-SWING ST. LOUVERED DR.
AMWELD INTERNATIONAL, LLC
 301 S NORTHPOINT DRIVE SUITE #400
 COPPELL, TX. 75019
 TEL. (469) 656-4789 FAX. (214) 329-0911

revisions:	no	date	by	description
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date: 01-05-06
 scale: 3/8" = 1"
 dr. by: HAMID
 chk. by:
 drawing no.
W06-01
 sheet 3 of 6



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

APR 06 2010

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 09-0923-11
Expiration Date: JUN 22, 2011
Shamir I. Chandra
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

FIREDOOR S-8080 HMD-IL OUT-SWING ST. LOWERED DR.

AMWELD INTERNATIONAL, LLC
301 S NORTHPOINT DRIVE SUITE #400
COPPELL, TX. 75019
TEL. (469) 656-4789 FAX. (214) 329-0911

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dr. by: HAMID
chk. by:

drawing no.
W06-01
sheet 4 of 6

COMP-ANL\W06-01\FDC

HINGES:

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
 (1) CENTER HINGE EQUALLY SPACED FROM TOP & BOTTOM HINGE

LOCK OPTIONS:

ACTIVE LEAF:

OPTION #1:

'SCHLAGE' AL SERIES CYLINDRICAL PASSAGE
 AT 38" TO 40-3/8" FROM BOTTOM.
 4-7/8" LONG ST. STEEL STRIKE PLATE AT 38" TO 40-3/8"
 FROM BOTTOM.

SURFACE MOUNT HINGE HASPS, STANLEY 941 WITH
 SURFACE MOUNT STEEL PADLOCK, BEST 41B SERIES
 AT 48" FROM BOTTOM.

OPTION #2:

'SCHLAGE' AL SERIES CYLINDRICAL LOCK
 AT 38" TO 40-3/8" FROM BOTTOM.
 4-7/8" LONG ST. STEEL STRIKE PLATE AT 38" TO 40-3/8"
 FROM BOTTOM.

'SCHLAGE' B SERIES SURFACE MOUNT ST. STEEL DEAD BOLT
 KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR
 AT 48" FROM BOTTOM.
 2-3/4" LONG ST. STEEL STRIKE PLATE AT 48" FROM BOTTOM

INACTIVE LEAF

OPTION #1:

ROCKWOOD 555 FLUSH BOLTS MOUNTED 12" FROM EACH END OF
 DOOR TO CENTERLINE
 2-1/4" x 1-5/16" x 1/16" ASA STRIKE

OPTION #2:

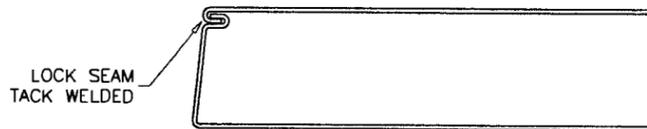
SURFACE MOUNT MANUALLY OPERATED STEEL BOLTS, STANLEY 1088
 AT EACH END OF STILE.

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

DOOR EDGE CONSTRUCTION OPTIONS:

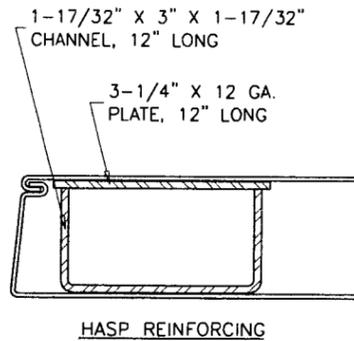
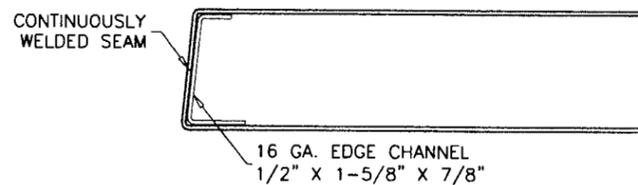
OPTION #1:

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. (.053") MIN. Fy = 46.6 KSI
1A	-	AS REQD.	FRAME HEAD (5-3/4" X 4")	STEEL	16 GA. (.053") MIN. Fy = 46.6 KSI
1B	-	AS REQD.	FRAME HEAD (8-3/4" X 4")	STEEL	16 GA. (.053") MIN. Fy = 46.6 KSI
1C	-	AS REQD.	FRAME HEAD (5-3/4" X 1-1/4")	STEEL	16 GA. (.053") MIN. Fy = 46.6 KSI
2	-	AS REQD.	FRAME JAMB (5-3/4" X 2")	STEEL	16 GA. (.053") MIN. Fy = 46.6 KSI
2A	-	AS REQD.	FRAME JAMB (8-3/4" X 2")	STEEL	16 GA. (.053") MIN. Fy = 46.6 KSI
2B	-	AS REQD.	FRAME JAMB (5-3/4" X 1-1/4")	STEEL	16 GA. (.053") MIN. Fy = 46.6 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 14 GA.
6	-	AS REQD.	'Z' PROFILE LOUVER BLADES	STEEL	16 GA. (.053") MIN. Fy = 46.6 KSI
6A	900-FPL-H	1/ LEAF	LOUVER INSERT	STEEL	18 GA.
7	-	-	DOOR	STEEL	16 GA. (.053") MIN. Fy = 46.6 KSI
8	-	OPTIONAL	FRAME GROUT	CONC.	3000 PSI MIN.
9	-	AS REQD.	HAT STIFFENER IN PAIRS	STEEL	22 GA.
10	-	AS REQD.	POLYSTYRENE CORE	-	'DYPLAST PRODUCTS LLC' W/ CURRENT NOA
10A	-	AS REQD.	THERMAL INSULATION	-	OWENS CORNING RA-24 BATT
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, (1/2" X 1/4" SELF ADHESIVE)
16	1279	3/ LEAF	MORTISE HINGES	STEEL	HAGER
17	-	2/ LOCK	LOCK REINFORCEMENT	-	1-1/4" X 2-3/4" X 12 GA.
18	-	2/ STRIKE	STRIKE REINFORCEMENT	-	1-1/4" X 2-3/4" X 12 GA.
19	-	AS REQD.	REINFORCING CHANNEL, FULL LENGTH	STEEL	1/2" X 1-5/8" X 7/8" X 16 GA.
20	-	AS REQD.	LOUVER ANGLE, NOTCHED	STEEL	13/16" X 1" X 16 GA.
21	-	AS REQD.	LOUVER ANGLE	STEEL	1-3/8" X 1-5/8" X 16 GA.
22	-	AS REQD.	BOXOUT CHANNELS	STEEL	1-11/32" X 53/64" X 3/8" X 18 GA.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 09-0923-11
 Expiration Date JUNE 22, 2011
 By (Shaq) Chandra
 Miami Dade Product Control
 Division

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

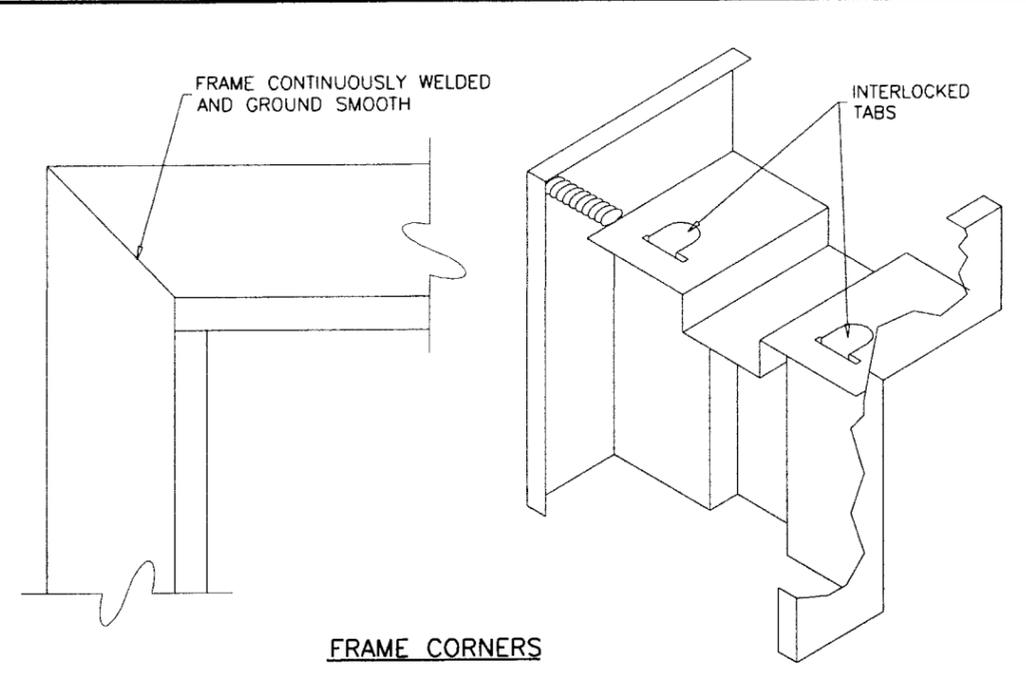
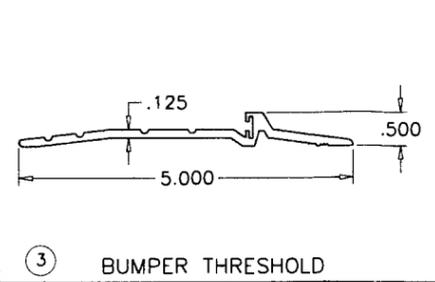
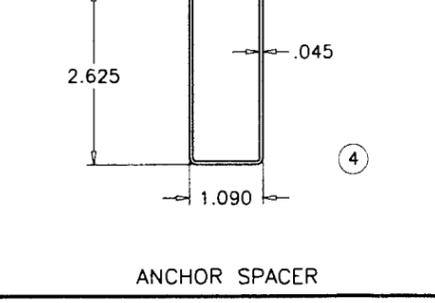
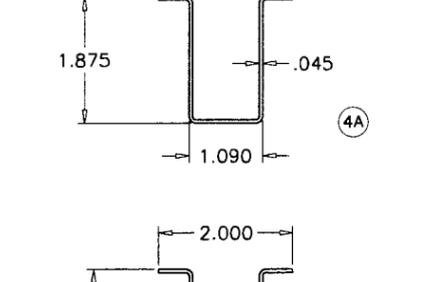
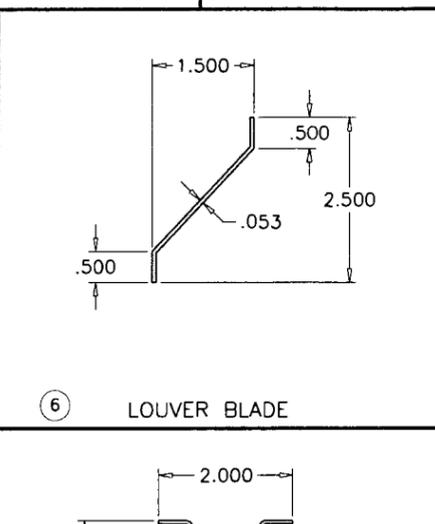
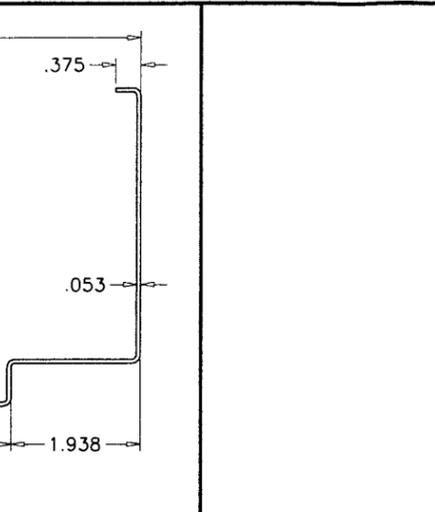
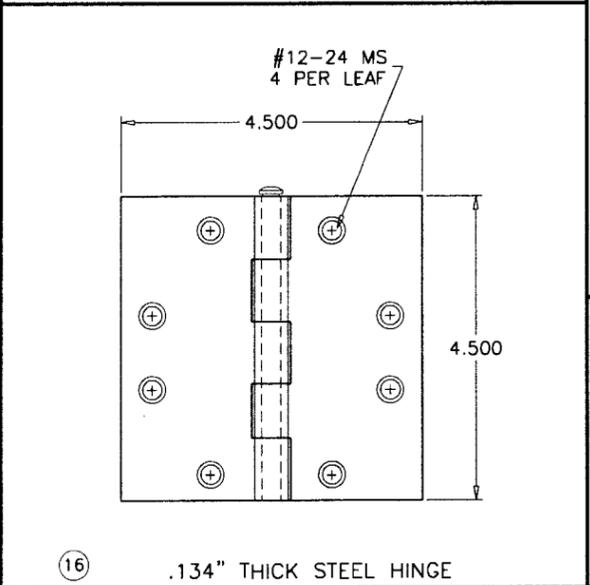
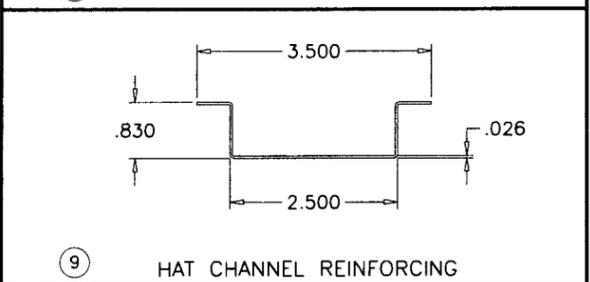
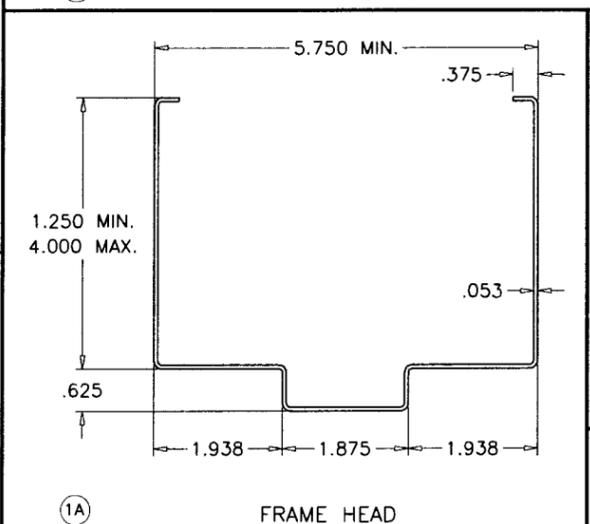
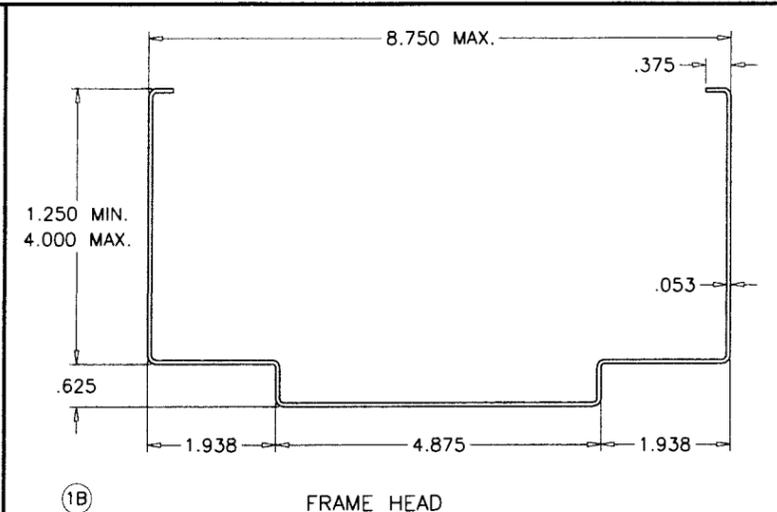
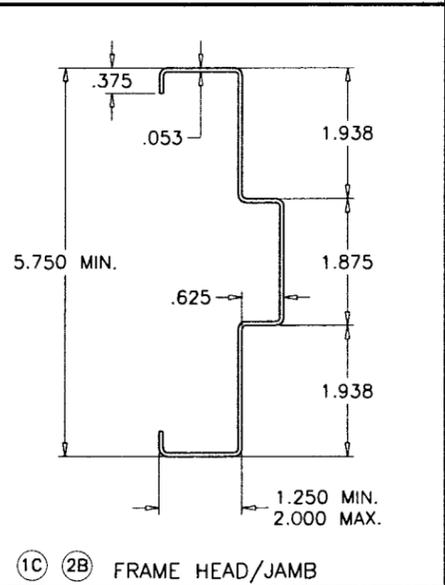
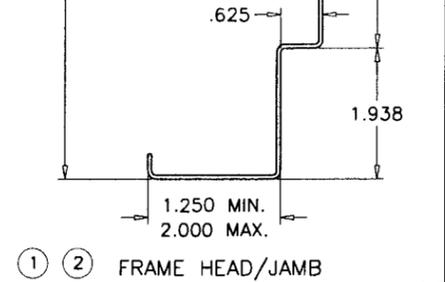
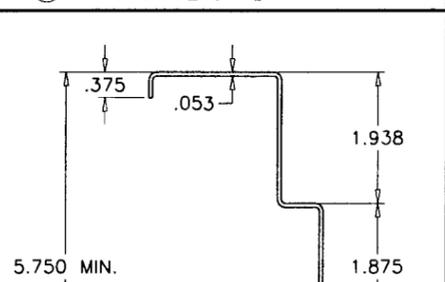
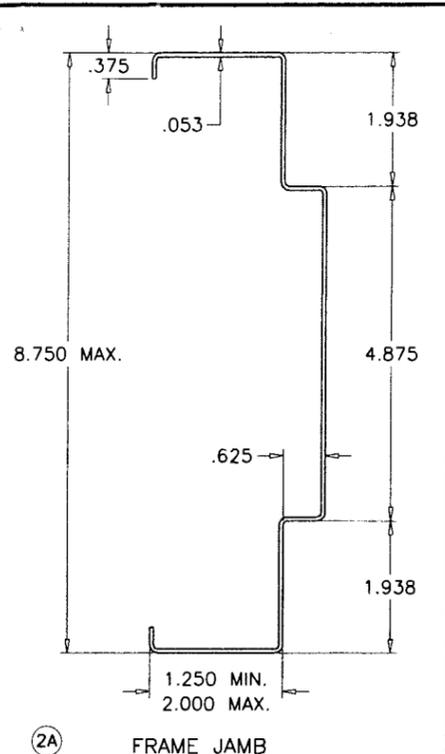
 APR 06 2010

AL-FAROOQ CORPORATION
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 COMP--ANL\W06-01FDC

FIREDOOR S-8080 HMD-IL OUT-SWING ST. LOUVERED DR.
AMWELD INTERNATIONAL, LLC
 301 S NORTHPOINT DRIVE SUITE #400
 COPPELL, TX. 75019
 TEL. (469) 656-4789 FAX. (214) 329-0911

no	date	by	description
A	05.18.06		NO CHANGE THIS SHEET
B	06.16.09		UPDATED FOR 2007 FBC
C	10.20.09		LOCK & HINGE LOCATIONS REV.
D	03.10.10		REV. PER BCCO COMMENTS

date: 01-05-06
 scale: 3/8" = 1"
 dr. by: HAMID
 chk. by:
 drawing no. **W06-01**
 sheet 5 of 6



FRAME CORNERS

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 09-0923-11
 Expiration Date JUNE 22, 2011
 By: Ishaq, Chand
 Miami Dade/Product Control
 Division

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 APR 06 2010

af c
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