



**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 "HR" Single Outswing Opaque Steel Door w/wo reinforced Mullion

APPROVAL DOCUMENT: Drawing No "W04-31", titled "Firedoor series 8080F-HR" Out-Swing STL. ENT. DR.", sheet 1 through 5 of 5, dated 04-05-04 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. This approval is limited to outswing single door application only.
2. Intermediate Frame mullion item #2, when used must be reinforced with steel channel item #12.
3. Door w/ Zero Int'l. threshold 65-A (item #10) is not rated for water infiltration resistance.

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, renews and replaces NOA # 05-1129.04 (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.**

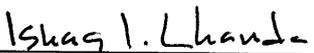


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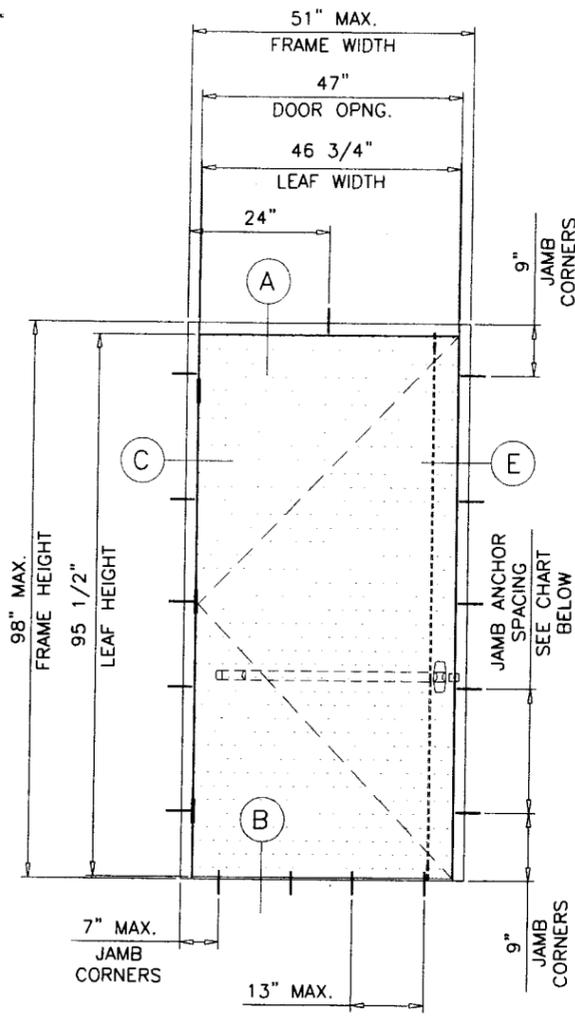
**NOA No 09-0923.09
Expiration Date: June 15, 2015
Approval Date: August 11, 2010**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

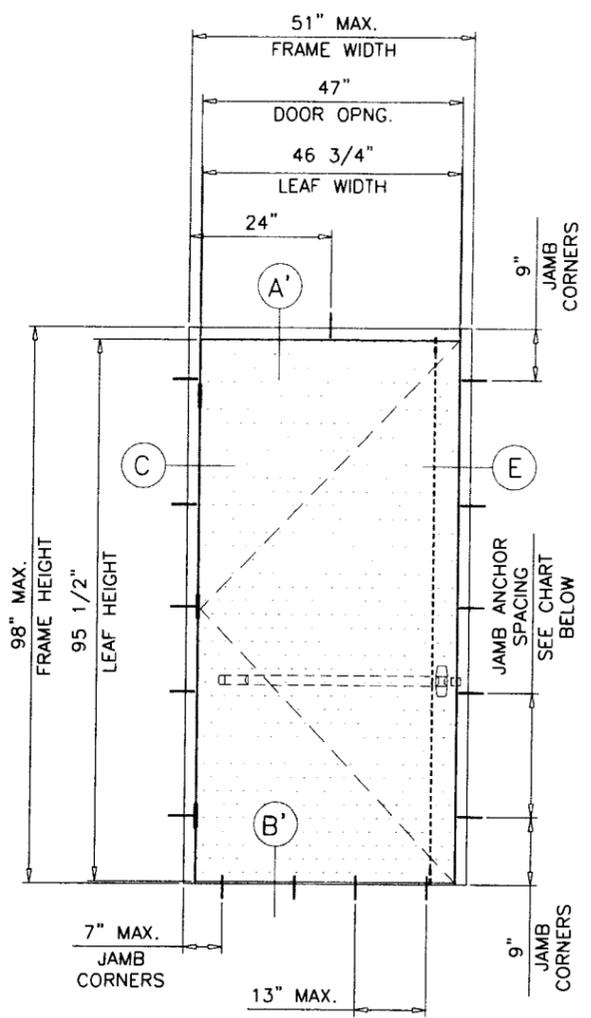
- A. DRAWINGS (Transferred from # 05-1129.04)**
1. Manufacturers die drawings and sections.
 2. Drawing No "W04-31", titled "Firedoor series 8080F-HR" Out-Swing STL. ENT. DR.", sheet 1 through 5 of 5, dated 04-05-04 and last revised on May 24, 2010, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.
- B. TESTS (Transferred from # 05-1129.04)**
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) 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 installation diagram of single outswing steel doors marked-up by Fenestration Testing Laboratories, Inc. Test Reports Nos. **FTL 4038 (FTL0403)**, dated 12/13/01, signed and sealed by Edmundo Largaespada, P.E.
- (Note: This test report has been revised by addendum letter dated March 02, 2005, issued by Fenestration Testing Laboratories, Inc., signed & sealed by Edmundo Largaespada, 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 Fenestration Testing Laboratories Inc., report No. FTL04033 (4038-A), dated July 22, 2004 for Steel samples, tested per ASTM E-A370-97-a, 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.
- 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 10, 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 # 05-1129.04 (Former Firedoor, Div. Ark II Manufacturing, LLC), expired on June 15, 2010.
 2. Commitment letter by Amweld Int'l., dated 03/31/10 for 5/16" Tapcon re-verification test.
 3. Test proposal by Al-Farooq Corp, approved by BCCO dated 06/20/2003.



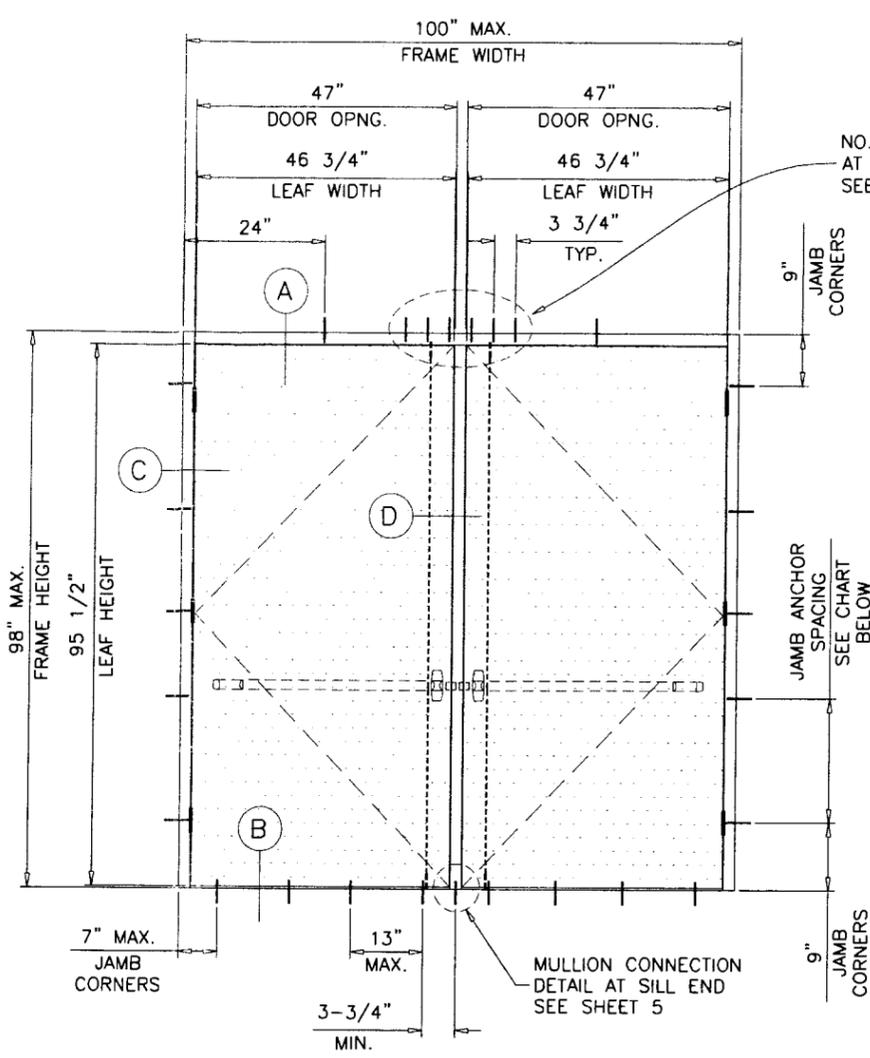
Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 09-0923.09
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SINGLE DOOR
3 POINT PANIC DEVICE WITH
CONCEALED VERTICAL RODS



SINGLE DOOR
3 POINT PANIC DEVICE WITH
SURFACE VERTICAL RODS



(2) SINGLE DOOR WITH INTERMEDIATE MULLION
3 POINT PANIC DEVICE WITH
CONCEALED VERTICAL RODS OR
SURFACE VERTICAL RODS

NO. OF ANCHORS REQD.
AT FRAME MULLION HEAD
SEE CHART

NO. OF ANCHORS AT FRAME MULLION HEAD			
FRAME HEIGHT	DOOR OPNG.	ANCHOR TYPE 'A'	ANCHOR TYPE 'B' & 'C'
98"	30"	4	4
	36"	5	4
	42"	6	4
	47"	6	4

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

TYPICAL ELEVATIONS

DESIGN LOAD CAPACITY - PSF JAMB ANCHORS SCHEDULE						
FRAME HEIGHT	DOOR OPNG.	ANCHORS TYPE 'A'			ANCHORS TYPE 'B' & 'C'	
		@ 25-1/2" O.C.	@ 20" O.C.	@ 16" O.C.	@ 25-1/2" O.C.	@ 20" O.C.
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
98"	30"	114.0	114.0	114.0	114.0	114.0
	36"	102.8	114.0	114.0	114.0	114.0
	42"	89.4	113.9	114.0	114.0	114.0
	47"	80.6	102.8	114.0	109.8	114.0

DOORS (WITH 2051AV THRESHOLD) ARE APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

DOORS (WITH 65A THRESHOLD) ARE NOT APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

**FIREDOOR SERIES-8080F
SINGLE OUT-SWING STEEL ENTRANCE DOOR**

THIS APPROVAL IS FOR SINGLE DOOR APPLICATION ONLY.

DOORS (WITH 2051AV THRESHOLD) ARE APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

DOORS (WITH 65A THRESHOLD) ARE 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.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 09-0923-09
Expiration Date 06/15/2015
By J. Slag I. Chande
Miami Dade/Product Control
Division

Engr: JAVAD ARMAD
CIVIL
FLA. PE # 70592
C.A.N. 5538

JA
MAY 24 2010

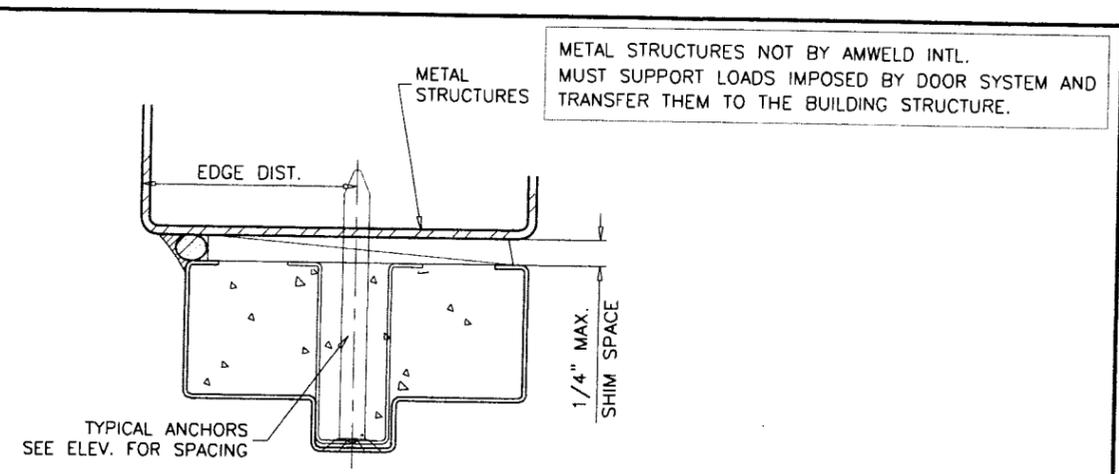
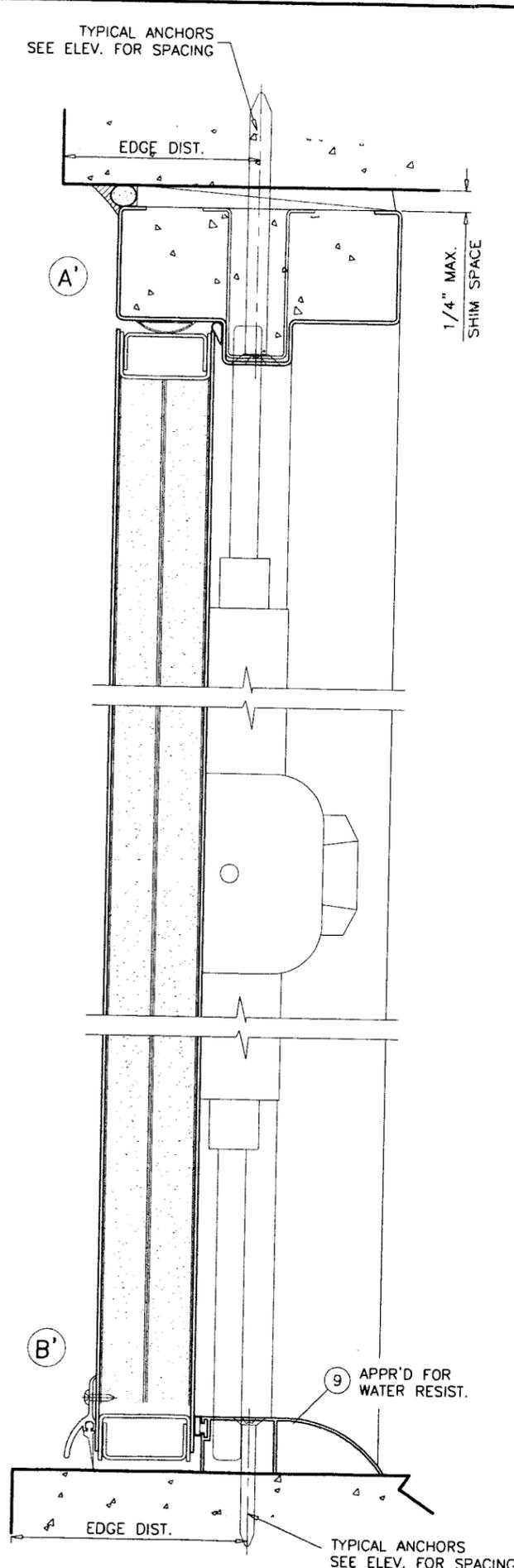
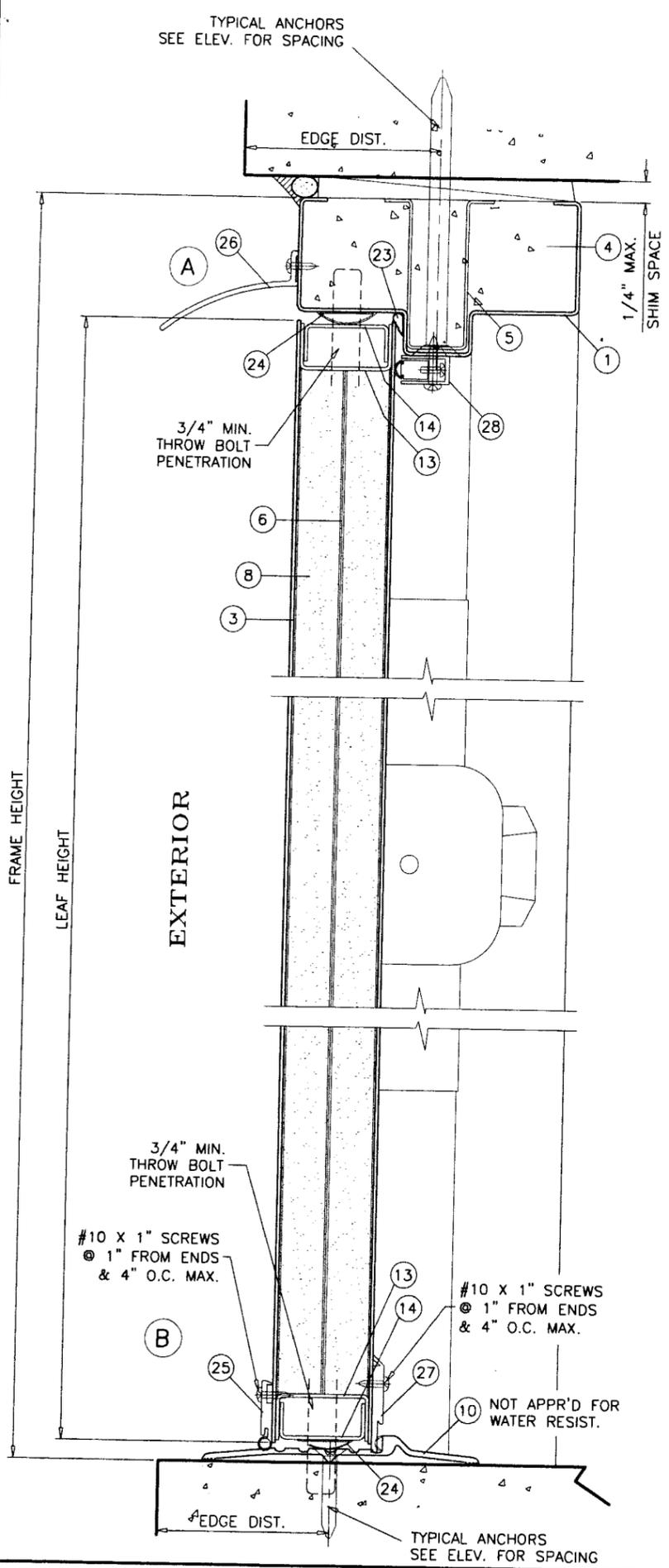
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP - ANL \ W04 - 31FDC

FIREDOOR SERIES-8080F - HR OUT-SWING STL. ENT. DR.
AMWELD INTERNATIONAL, LLC
301 S NORTHPOINT DRIVE SUITE #400
CORPELL, TX. 75019
TEL. (469) 656-4789 FAX. (214) 329-0911

no	date	description
D	03.15.06	REV. PER BCCO COMMENTS
E	05.28.09	UPDATED FOR 2007 FBC
F	10.20.09	NO CHANGE THIS SHEET
G	02.17.10	REV. PER BCCO COMMENTS
H	05.19.10	REV. PER BCCO COMMENTS

date: 04-05-04
scale: 3/8" = 1'-0"
dr. by: HAMID
chk. by:

drawing no.
W04-31
sheet 1 of 5



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

TYPICAL ANCHORS @ HEAD/JAMB: SEE ELEV./CHART FOR SPACING (USING PIPE OR HAT CLIP)

- 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
ANCHORS CL TO CL SPACING = 3-3/4" MIN. (MULLION HEAD)
- 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
ANCHORS CL TO CL SPACING = 3-3/4" MIN. (MULLION HEAD)
- TYPE 'C' - 3/8" DIA. SMS OR MACHINE BOLTS (GRADE 2 CRS)
INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICK.)
ANCHORS CL TO CL SPACING = 1" MIN. (MULLION HEAD)
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
1-1/2" MIN. EMBED INTO CONC.
2-1/2" MIN. EDGE DISTANCE

MULLION ANCHORS @ SILL:

- (2) 3/8" DIA. CARBON STEEL KWIK BOLT 3 EXPANSION ANCHOR BY 'HILTI'
DIRECTLY INTO CONCRETE
1-5/8" MIN. EMBED INTO CONCRETE
4" MIN. EDGE DISTANCE
ANCHORS CL TO CL SPACING = 3-3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 FILLED MASONRY BLOCK AT JAMBS f'm = 2000 PSI MIN.

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

JA
MAY 24 2010

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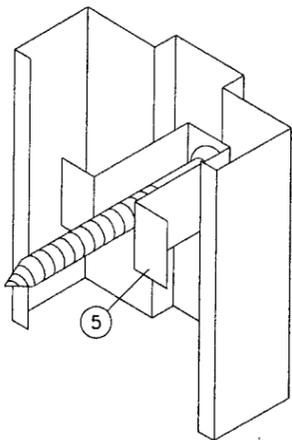
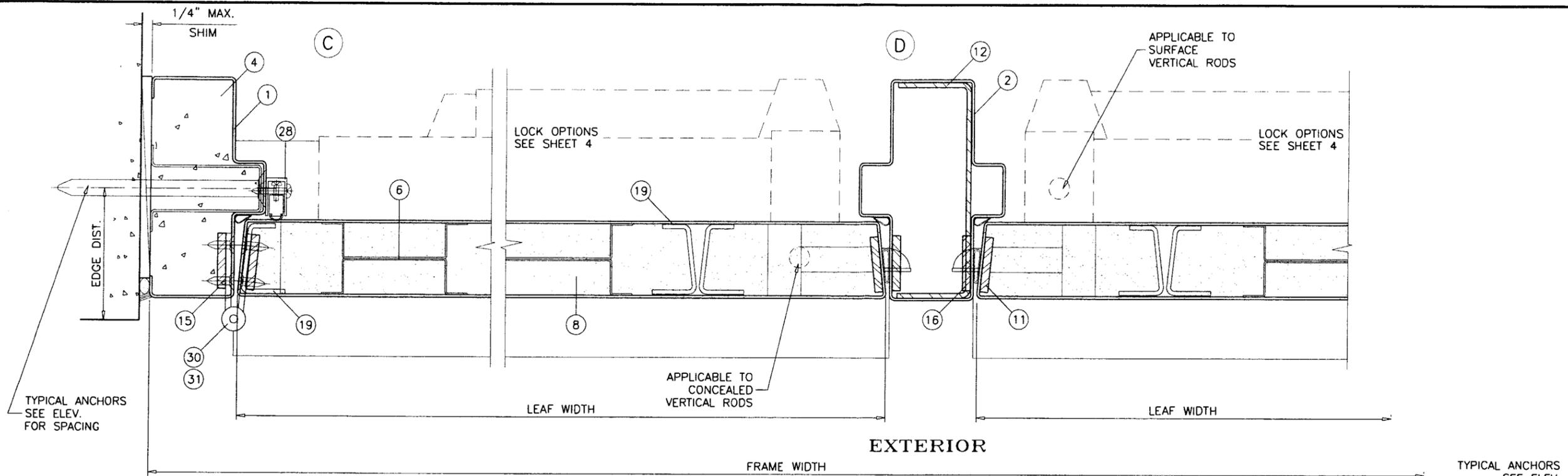
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PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 07-0923.09
Expiration Date 06/15/2015
By Shaghl Chandra
Internal Date Product Control
Division

no	date	description
D	03.15.06	REV. PER BCCO COMMENTS
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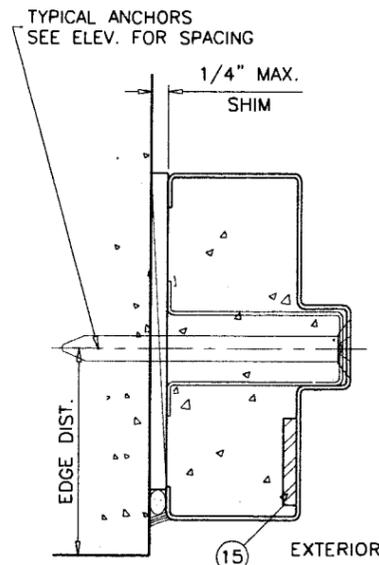
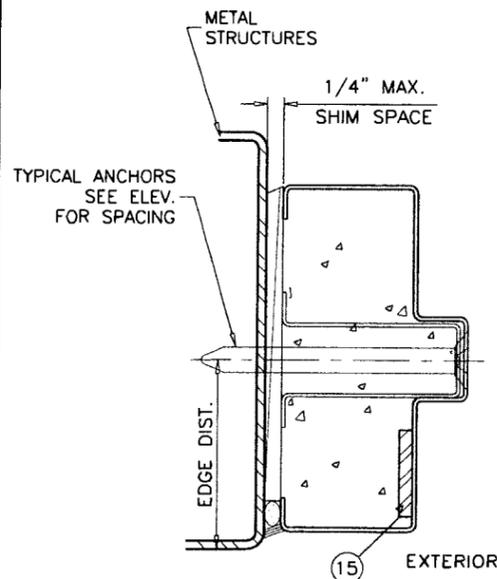
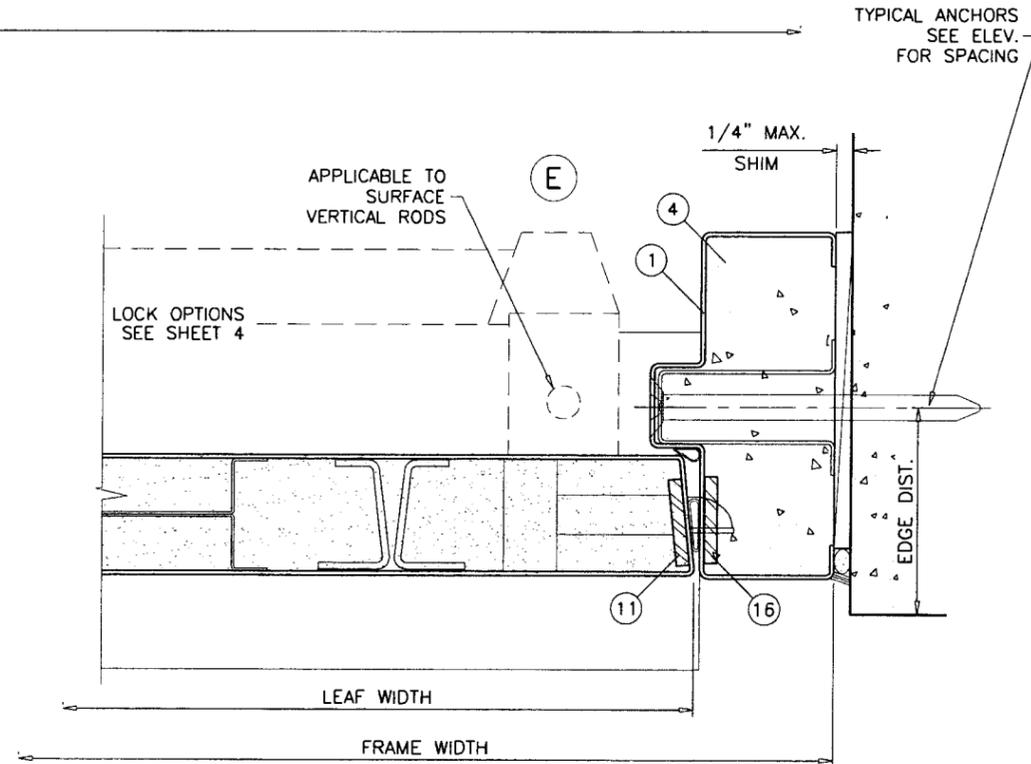
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sheet 2 of 5



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 By Ishag I. Lhanda
 Miami Dade Product Control
 Division

ALL JAMBS TO BE GROUT FILLED



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

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AL-FAROOQ CORPORATION
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revisions:

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W04-31
 sheet 3 of 5

HINGE OPTIONS:

OPTION #1:

Z 955 STAINLESS STEEL CAM LIFT HINGE
 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

OPTION #2:

STEEL MORTISE HINGE 1279
 AT 7-1/4" TO 9-3/4" FROM TOP TO CL OF HINGE
 AT 12-1/4" TO 14-3/8" FROM BOTTOM TO CL OF HINGE
 (1) CENTER HINGE EQUALLY SPACED FROM TOP & BOTTOM HINGE

LOCK OPTIONS:

OPTION #1:

THREE POINT LOCK SYSTEM WITH PANIC EXIT DEVICE
 AT 38" TO 40-3/8" FROM BOTTOM TO CL OF PANIC DEVICE.
 'SECURITECH' 84T44-GGCF-IHD-VC-630
 SURFACE MOUNT LEVER TYPE HANDLE

4-7/8" LONG METALLIC STRIKE PLATES AT 38" TO 40-3/8"
 FROM BOTTOM.

OPTION #2:

THREE POINT LOCK SYSTEM WITH VERTICAL ROD PANIC EXIT DEVICE
 AT 38" TO 40-3/8" FROM BOTTOM TO CL OF LOCK FACE.
 'SECURITECH' 82T44-GGCF-SBO-HD-VC-630
 SURFACE MOUNT LEVER TYPE HANDLE

OPTION #3:

MORTISE LOCK SET, WITH KEY OPERATED LEVER HANDLE ON EXTERIOR
 #5411-IHD AT 38" TO 40-3/8" FROM BOTTOM TO CL OF LOCK AND
 TWO POINT CONCEALED ROD SYSTEM, THUMB TURN KEY OPERATED ON
 INTERIOR # 52XXV-IHD AT 52-3/4" FROM BOTTOM TO CL OF LOCK FACE.

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

ITEM NO.	PART NO.	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	-	AS REQD.	FRAME HEAD/JAMB	STEEL	16 GA. (.058") MIN. Fy = 41,000 PSI
2	-	AS REQD.	FRAME MULLION (OPTION)	STEEL	16 GA. (.058")
3	-	-	DOOR	STEEL	14 GA. (.067")
4	-	-	FRAME GROUT	CONC.	3000 PSI MIN.
5	-	AS REQD.	BOLT SPACER	STEEL	2" X 2 5/8" X 18 GA.
6	-	10/ DOOR	HAT STIFFENER IN PAIRS (5 ROWS VERTICAL)	STEEL	16 GA.
8	-	1	POLYSTYRENE CORE	-	'DYPLAST PRODUCTS LLC' W/ CURRENT NOA
9	2051AV	1	THRESHOLD	ALUMINUM	PEMCO
10	65A	1	THRESHOLD	ALUMINUM	ZERO INTERNATIONAL
11	-	1	LOCK REINFORCEMENT	STEEL	1 1/8" X 3 1/8" X 12 GA., ASTM A36
12	-	1/ MULLION	REINFORCING CHANNEL, FULL LENGTH	STEEL	1 3/4" X 5" X 1 3/4" X 12 GA.
13	-	1/ RAIL	TOP AND BOTTOM RAIL CHANNEL	STEEL	15/16 X 1-11/16 X 15/16 X 14 GA.
14	-	1/ RAIL	TOP AND BOTTOM RAIL CHANNEL	STEEL	5/8 X 1-1/2 X 5/8 X 14 GA.
15	-	3	HINGE REINFORCEMENT (FRAME/DOOR)	STEEL	1 1/4" X 10" X 3/16"
16	-	1	STRIKE REINFORCEMENT	STEEL	6-3/4" X 1-1/4" X 16 GA.
19	-	2/ DOOR	REINFORCING CHANNEL, FULL LENGTH	STEEL	1/2 X 1-5/8 X 7/8 X 12 GA.
23	188	1	HEAD/JAMB WEATHERSTRIP	VINYL	ZERO INTERNATIONAL
24	119WB	AS REQD.	HEAD W'STRIPPING	SPRING BRONZE	SELF ADHESIVE, ZERO
25	328R	1/ DOOR	DOOR SWEEP	-	-
26	142A	1	WATER SHADE	ALUMINUM	ZERO INTERNATIONAL
27	39A	1	SILL PROTECTION	NEOPRENE	-
28	870	-	HEAD/JAMB W'STRIPPING	-	-
30	Z955	3/ DOOR	CAM LIFT HINGES	ST. STEEL	ZERO INTERNATIONAL
31	1279	3/ DOOR	MORTISE HINGES	ST. STEEL	HAGER

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 as complying with the Florida
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 By Ishag I. Uluoglu
 Miami Data/Product Control
 Division

Engr: JAVAD AHMAD
 CIVIL
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 2010

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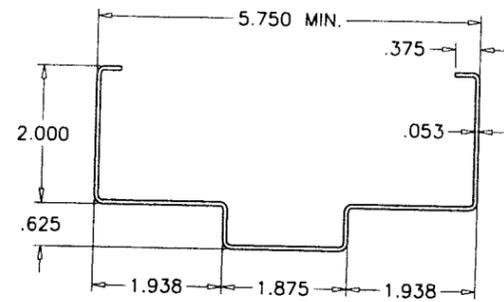
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revisions:	no	date	by	description
	D	03.15.06		REV. PER BCCO COMMENTS
	E	05.28.09		UPDATED FOR 2007 FBC
	F	10.20.09		LOCK & HINGE LOCATIONS REV.
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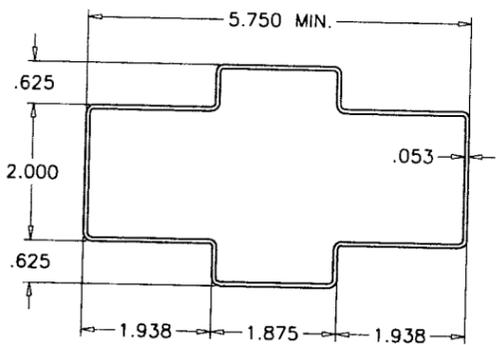
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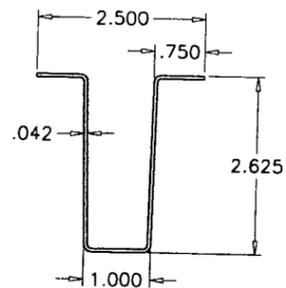
sheet 4 of 5



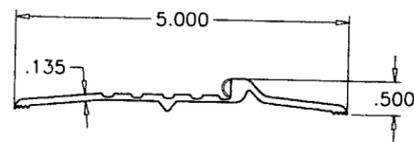
① FRAME HEAD/JAMB



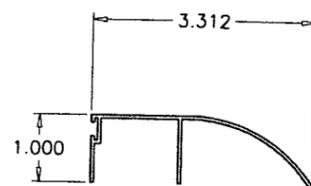
② FRAME MULLION



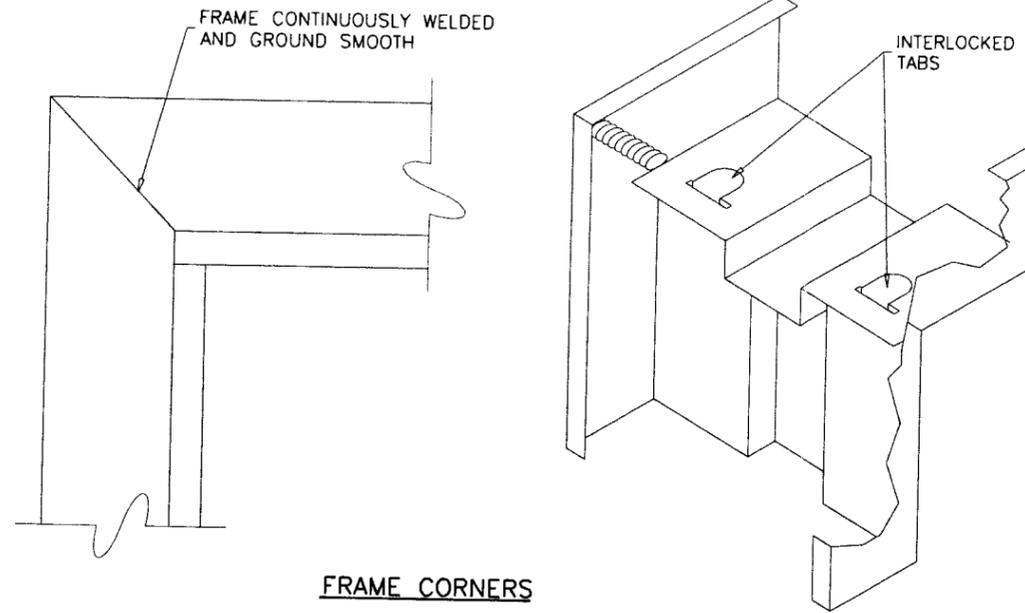
⑤ ANCHOR SPACER



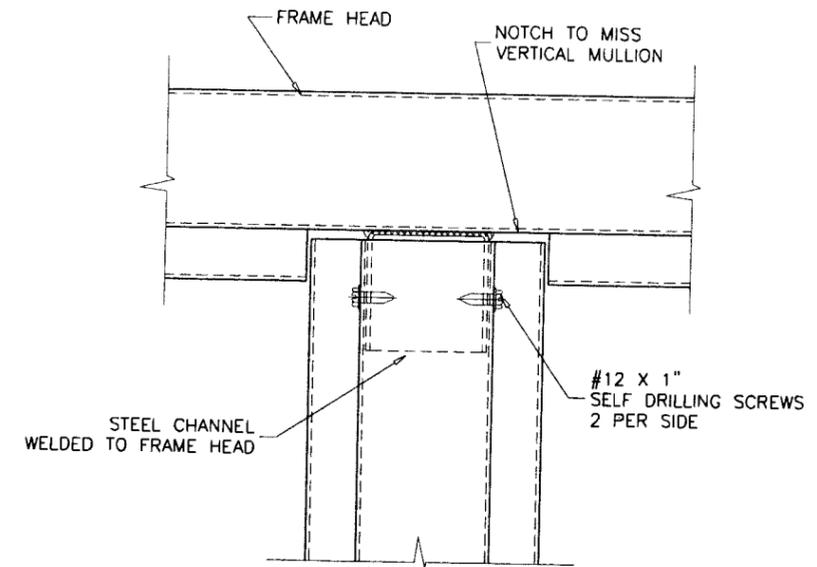
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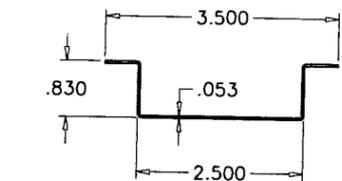
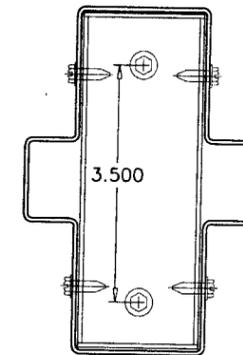
⑨ BUMPER THRESHOLD



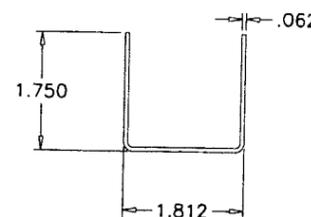
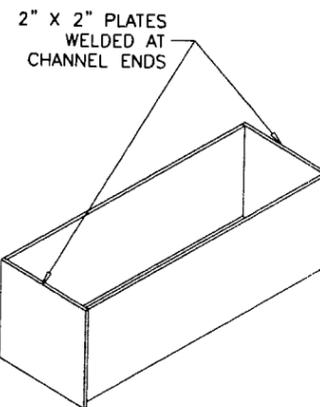
FRAME CORNERS



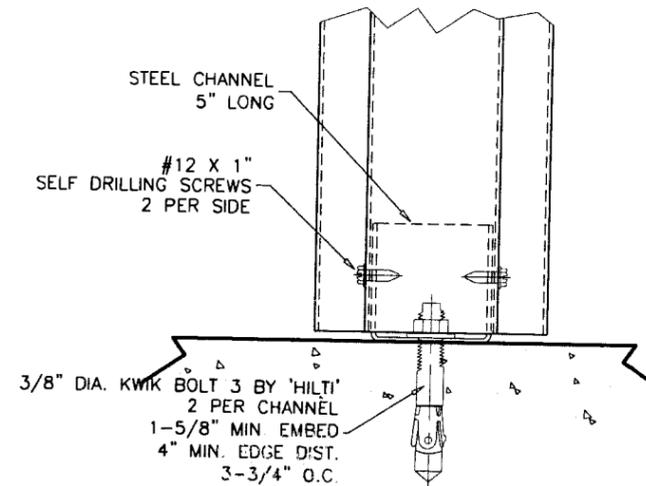
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 09-0923-09
 Expiration Date 06/15/2015
 By Ishaq I. Khan
 Ahmad Dade Product Control
 Division



⑥ HAT CHANNEL REINFORCING



VERT. MULLION INSTALLATION CHANNEL



VERTICAL MULLION CONNECTION

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

JH
 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\W04-31FDC

FIREDOOR SERIES-8080F-HR OUT-SWING STL. ENT. DR.
AMWELD INTERNATIONAL, LLC
 301 S NORTHPOINT DRIVE SUITE #400
 COPPELL, TX. 75019
 TEL. (469) 656-4789 FAX. (214) 329-0911

no	date	description
D	03.15.06	REV. PER BCCO COMMENTS
E	05.28.09	UPDATED FOR 2007 FBC
F	10.20.09	NO CHANGE THIS SHEET
G	02.17.10	REV. PER BCCO COMMENTS
H	05.19.10	REV. PER BCCO COMMENTS

date: 04-05-04
 scale: 3/8" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W04-31
 sheet 5 of 5