



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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

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 "1210" Steel Storefront System – L.M.I.

APPROVAL DOCUMENT: Drawing No. W02-47 titled "Series 1210 Steel Storefront System (LMI)" Sheets 1 through 7 of 7, prepared by Al-Farooq Corporation, dated 05-13-02 and last revised on Nov 03, 2006, 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 and Small Missile Impact

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 NOA # 05-1129.06 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



J. Gascon
8/6/07

NOA No. 07-0613.05
Expiration Date: November 21, 2012
Approval Date: August 30, 2007
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W02-47** titled "Series 1210 Steel Storefront System (LMI)" Sheets 1 through 7 of 7, prepared by Al-Farooq Corporation, dated 05-13-02 and last revised on Nov 03, 2006, signed and sealed by Dr. Humayoun Farooq, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL 2801 (FTL00124)**, dated 12/06/00, signed and sealed by Antonio Acevedo, P.E.
"Submitted under NOA# 05-1129.06"

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated November 03, 2005, signed and sealed by Humayoun Farooq, P.E.
Complies with ASTM E1300-02

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **03-0225.10** issued to Glasslam NGI Inc. for their "**Safety-Plus II - Laminated Glass**" dated 08/07/03, expiring on 08/07/08.

F. STATEMENTS

1. Statement letter of conformance and compliance with FBC 2004, dated May 21, 2007, signed and sealed by Humayoun Farooq, P.E.

G. OTHER

1. Notice of Acceptance No. **05-1129.06**, issued to Firedoor, Division of Ark II Manufacturing, LLC for their "Series 1210 Steel Storefront System (LMI)", approved on April 20, 2006 and expiring on November 21, 2007.



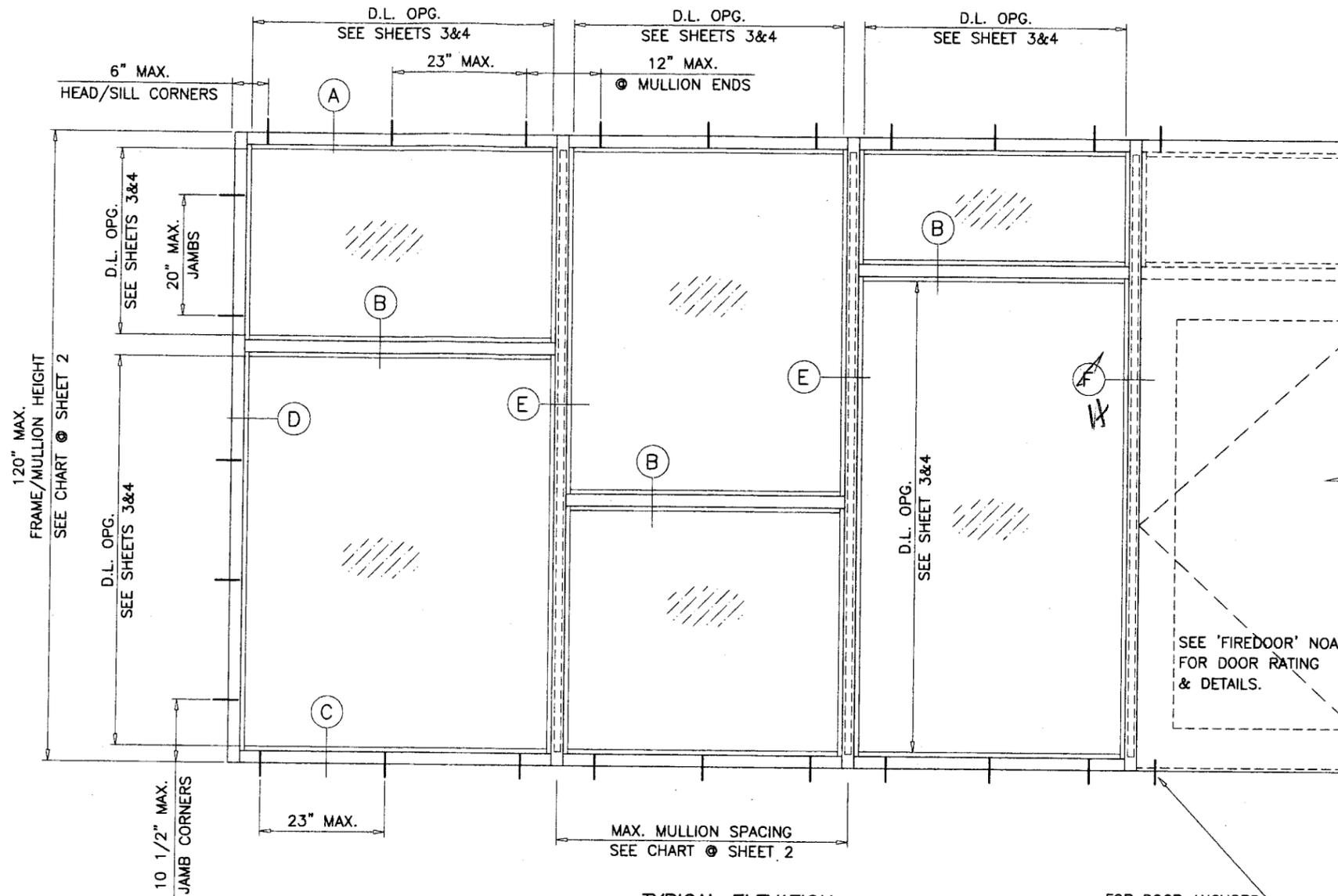
Jaime D. Gascon, P.E.

Chief, Product Control Division

NOA No. 07-0613.05

Expiration Date: November 21, 2012

Approval Date: August 30, 2007



TYPICAL ELEVATION

FOR DOOR ANCHORS AND SPACING SEE NOA FOR DOOR

SERIES 1210-IG STEEL STOREFRONT SYSTEM

STOREFRONT SYSTEM IS RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH MIAMI-DADE COUNTY APPROVED ENTRANCE DOORS BY 'FIREDOOR'.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

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.

INSTRUCTIONS:

- USE CHARTS AS FOLLOWS.
- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
 - STEP 2** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 2 THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
 - STEP 3** SEE CHARTS ON SHEETS 3 & 4 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE BASED ON APPLICABLE WIND DURATION.
 - STEP 4** THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

NOV 3 2005

PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No. 05-1129.06
Expiration Date NOV 21, 2007

By: *Isaac L. Lhanda*
Miami Dade Product Control Division

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 07-0613.05
Expiration Date 11/21/2012

By: *[Signature]*
Miami Dade Product Control Division

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

SERIES 1210 STEEL STOREFRONT SYS. (L.M.)

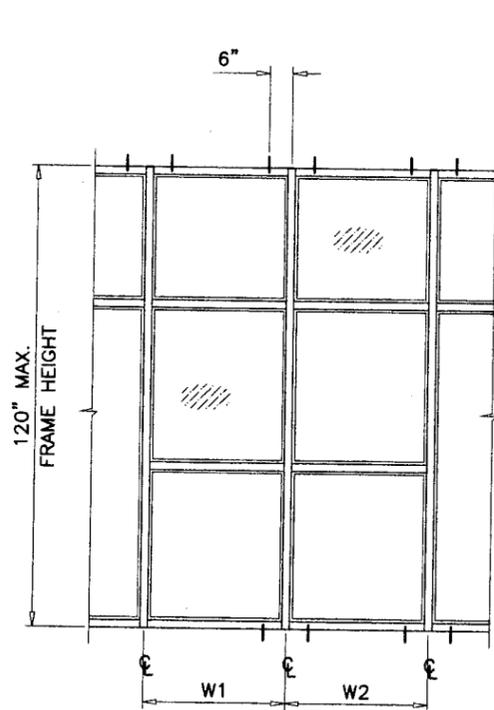
FIREDOOR DIVISION OF ARK II MANUFACTURING, LLC
1350 N.W. 74TH STREET
MIAMI, FL. 33147
TEL. (305) 691-1500 FAX (305) 836-4797

no	date	description
A	10.01.02	REV. PER BCCO COMMENTS
B	10.29.02	REV. PER BCCO COMMENTS
C	08.02.03	NO CHANGE THIS SHEET
D	07.19.05	UPDATED FOR 2004 FBC

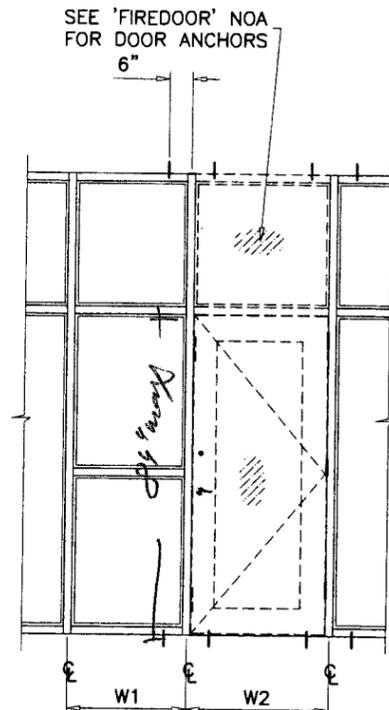
date: 05-13-02
scale: 1/2" = 1'-0"
dr. by: HAMID
chk. by:

drawing no. **W02-47**
sheet 1 of 7

STORE W02-47FDC



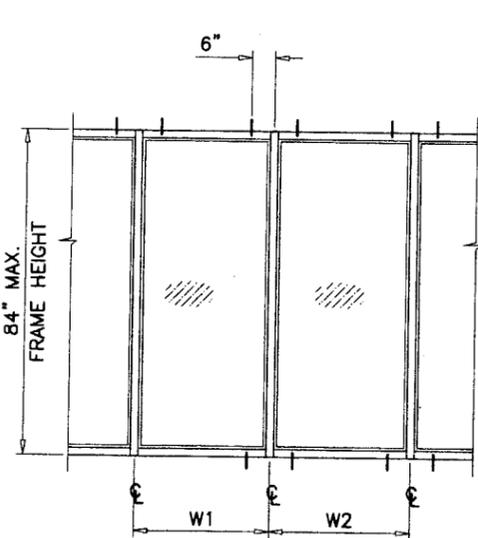
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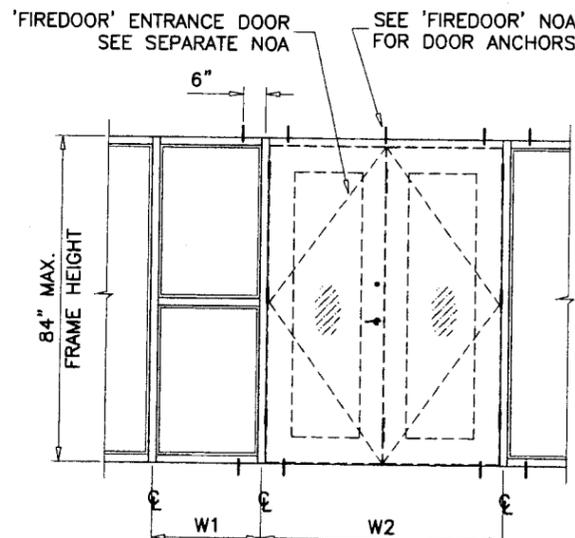
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

MULLION LOAD CAPACITY - PSF			
NOMINAL DIMS.		MULLION	
WIDTH (W)	FRAME HT.	EXT. (+)	INT. (-)
36"	84"	75.0	75.0
39"		75.0	75.0
42"		75.0	75.0
45"		75.0	75.0
48"		75.0	75.0
51"	75.0	75.0	
36"	90"	75.0	75.0
39"		75.0	75.0
42"		75.0	75.0
45"		75.0	75.0
48"		75.0	75.0
36"	96"	75.0	75.0
39"		75.0	75.0
42"		75.0	75.0
45"		75.0	75.0
36"	102"	75.0	75.0
39"		75.0	75.0
42"		75.0	75.0
36"	108"	75.0	75.0
39"		75.0	75.0
36"	114"	75.0	75.0
36"		75.0	75.0
36"	120"	75.0	75.0

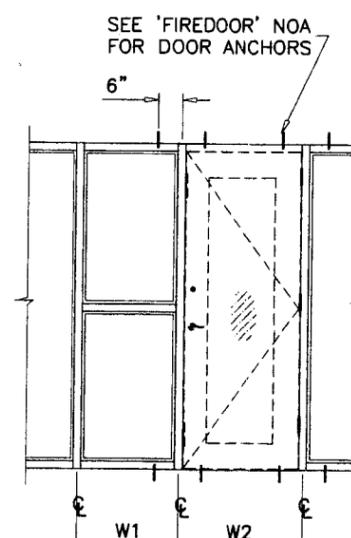
MULLION LOAD CAPACITY-PSF			
WIDTH-W1 INCHES	WIDTH-W2 INCHES	LENGTH-L INCHES	MULLION EXT.(+) & INT.(-)
74"	24"	102"	75.0
	27"		75.0
	30"		75.0
	33"		75.0
	36"		75.0
	42"		75.0
74"	24"	108"	75.0
	27"		75.0
	30"		75.0
	33"		75.0
	36"		75.0
	42"		75.0
74"	24"	114"	75.0
	27"		75.0
	30"		75.0
	33"		75.0
	36"		75.0
	42"		75.0
74"	24"	120"	75.0
	27"		75.0
	30"		75.0
	33"		75.0
	36"		75.0
	42"		75.0



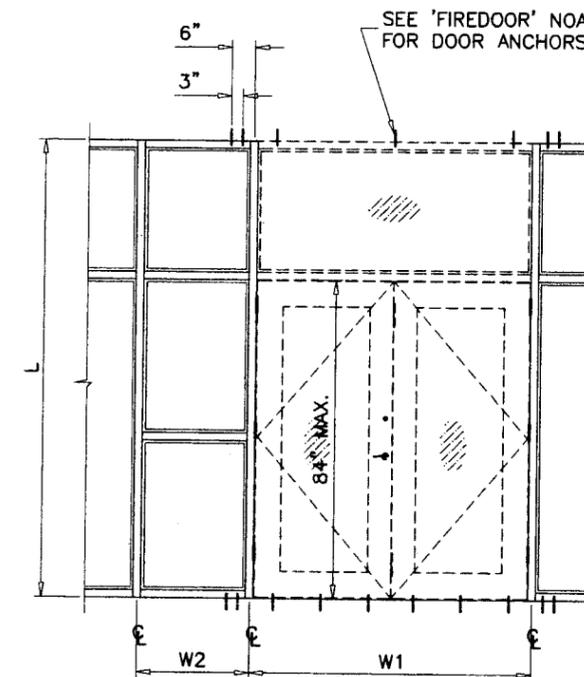
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



$$\text{WIDTH (W)} = \frac{W1}{2} + \frac{W2}{4}$$



$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 05-1129.06
 Expiration Date 11/21/2007
 By Ismael I. Chanda
 Miami Dade Product Control Division

Engr. DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE # 16557

PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No. 07-0613.05
 Expiration Date 11/21/2012
 By [Signature]
 Miami Dade Product Control Division

MULLION CAPACITY CHARTS

TO VERIFY GLASS OPTIONS AND CAPACITIES
 SEE CHARTS ON SHEETS 3 & 4.

NOV 3 2005

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

FIREDOOR DIVISION OF ARK II MANUFACTURING, LLC
 1350 N.W. 74TH STREET
 MIAMI, FL. 33147
 TEL. (305) 891-1500 FAX (305) 836-4797

AL-FAROOQ CORPORATION
 STORE W02-47FDC

Revisions:

no	date	description
A	10.01.02	REV. PER BCCO COMMENTS
B	10.29.02	REV. PER BCCO COMMENTS
C	08.02.03	MULLION CHART ADDED
D	07.19.05	ANCHOR NOTE ADDED

date: 05-13-02
 scale: 1/2"=1'-0"
 dr. by: HAMID
 chk. by:

drawing no. **W02-47**
 sheet 2 of 7

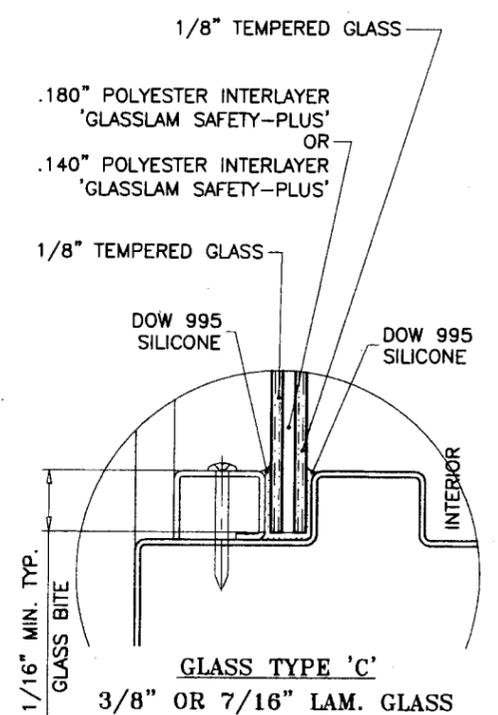
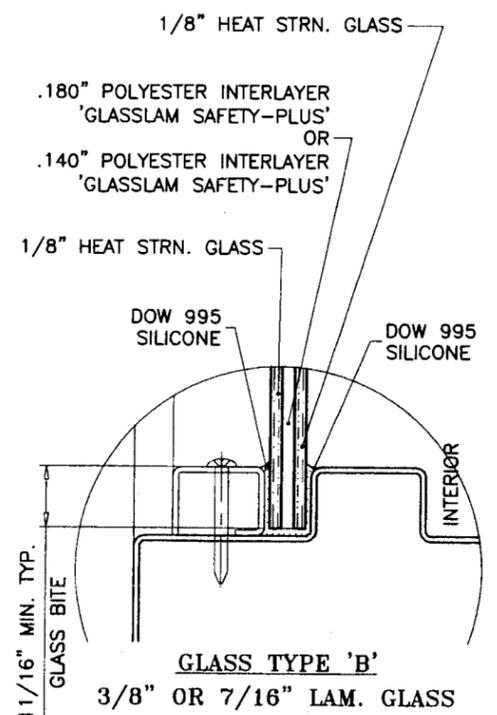
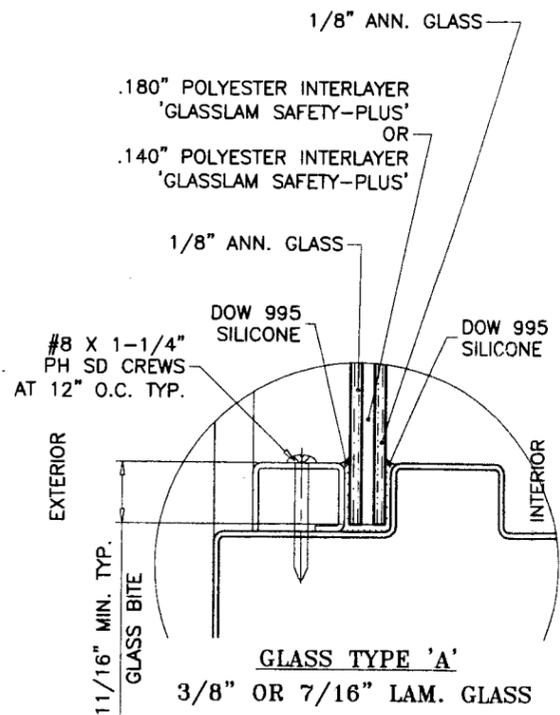
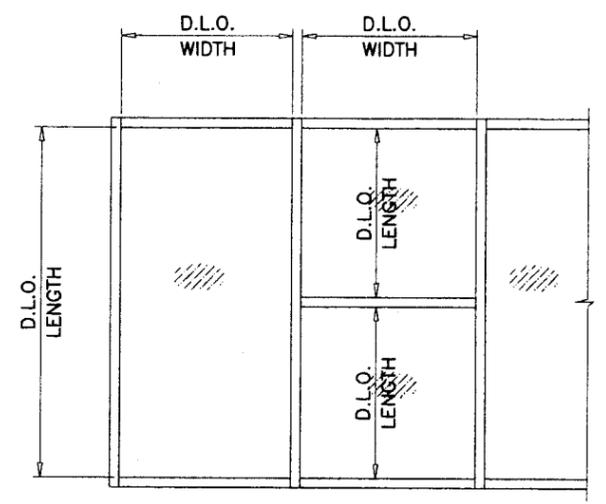
GLASS DESIGN LOAD CAPACITY - PSF

D.L.O. DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'
D.L.O. WIDTH	D.L.O. LENGTH	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)
18"	30-1/2"	75.0	75.0	75.0
21"		75.0	75.0	75.0
23-3/4"		75.0	75.0	75.0
27"		75.0	75.0	75.0
30-1/2"		75.0	75.0	75.0
36"		66.7	75.0	75.0
42"		57.6	75.0	75.0
48"		51.1	75.0	75.0
51"	48.4	75.0	75.0	
18"	38-1/2"	75.0	75.0	75.0
21"		75.0	75.0	75.0
23-3/4"		75.0	75.0	75.0
27"		70.8	75.0	75.0
30-1/2"		62.8	75.0	75.0
36"		54.4	75.0	75.0
42"		57.9	75.0	75.0
48"		51.8	75.0	75.0
51"	49.4	75.0	75.0	
18"	42"	75.0	75.0	75.0
21"		75.0	75.0	75.0
23-3/4"		75.0	75.0	75.0
27"		65.2	75.0	75.0
30-1/2"		57.6	75.0	75.0
36"		50.5	75.0	75.0
42"		54.2	75.0	75.0
48"		48.9	75.0	75.0
51"	46.3	75.0	75.0	
18"	48"	75.0	75.0	75.0
21"		75.0	75.0	75.0
23-3/4"		66.9	75.0	75.0
27"		57.4	75.0	75.0
30-1/2"		51.1	75.0	75.0
36"		45.2	75.0	75.0
42"		48.9	75.0	75.0
48"		44.9	75.0	75.0
51"	42.7	75.0	75.0	
18"	54"	75.0	75.0	75.0
21"		75.0	75.0	75.0
23-3/4"		60.6	75.0	75.0
27"		51.5	75.0	75.0
30-1/2"		45.9	75.0	75.0
36"		40.1	75.0	75.0
42"		44.1	75.0	75.0
48"		41.4	75.0	75.0
51"	36.2	72.4	75.0	
18"	60"	75.0	75.0	75.0
21"		69.6	75.0	75.0
23-3/4"		58.6	75.0	75.0
27"		47.2	75.0	75.0
30-1/2"		41.4	75.0	75.0
36"		36.2	72.4	75.0
42"		32.9	65.8	75.0
48"		31.7	63.4	75.0
51"	31.7	63.4	75.0	
18"	65-1/2"	75.0	75.0	75.0
21"		69.3	75.0	75.0
23-3/4"		54.7	75.0	75.0
27"		43.9	75.0	75.0
30-1/2"		37.9	75.0	75.0
36"		32.9	65.8	75.0
42"		31.7	63.4	75.0
48"		31.7	63.4	75.0
51"	31.7	63.4	75.0	

GLASS DESIGN LOAD CAPACITY - PSF				
D.L.O. DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'
D.L.O. WIDTH	D.L.O. LENGTH	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)
18"	70-1/2"	75.0	75.0	75.0
21"		65.5	75.0	75.0
23-3/4"		51.3	75.0	75.0
27"		42.5	75.0	75.0
30-1/2"		35.5	70.9	75.0
18"	72"	75.0	75.0	75.0
21"		64.3	75.0	75.0
23-3/4"		52.6	75.0	75.0
27"		41.7	75.0	75.0
30-1/2"		34.8	69.6	75.0
18"	78"	75.0	75.0	75.0
21"		64.4	75.0	75.0
23-3/4"		50.0	75.0	75.0
27"		39.0	75.0	75.0
30-1/2"		32.6	65.2	75.0
18"	80-1/2"	75.0	75.0	75.0
21"		62.7	75.0	75.0
23-3/4"		49.0	75.0	75.0
27"		38.0	75.0	75.0
30-1/2"		31.7	63.4	75.0

GLASS CHARTS

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-98 (60 SEC. WIND)



VALUES SHOWN ABOVE ARE MAXIMUM DAYLITE OPENING DIMS. FOR GLASS. CONSULT WITH CHARTS AT SHEET 2 FOR MULLION CAPACITY.

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 05-1129.06
Expiration Date NOV 21, 2007
By: *Ichag L. Chanda*
Miami Dade Product Control Division

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
NOV 3 2005

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No 07-0613.05
Expiration Date 11/21/2012
By: *[Signature]*
Miami Dade Product Control Division

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

SERIES 1210 STEEL STOREFRONT SYS. (L.M.)
FIREDOOR DIVISION OF
ARK II MANUFACTURING, LLC
1350 N.W. 74TH STREET
MIAMI, FL. 33147
TEL. (305) 681-1500 FAX (305) 836-4797

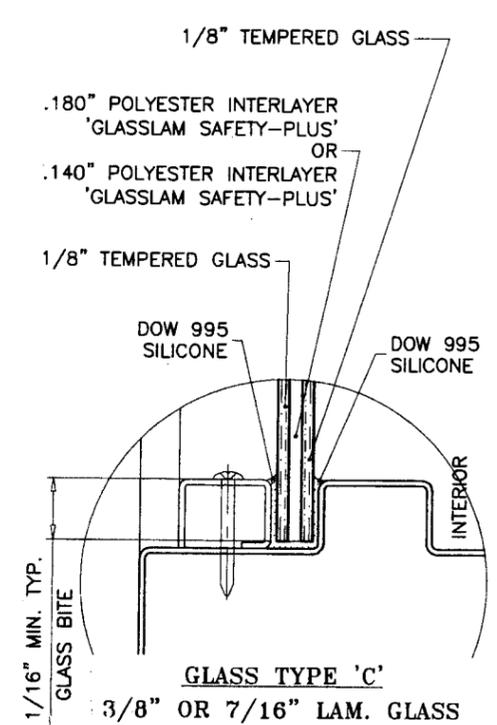
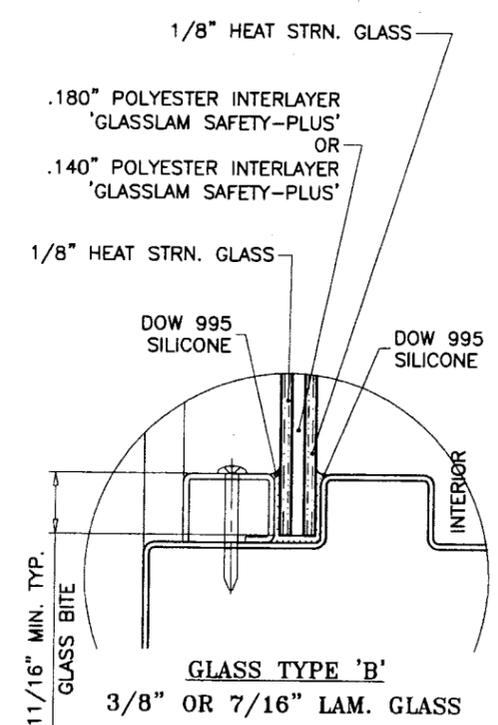
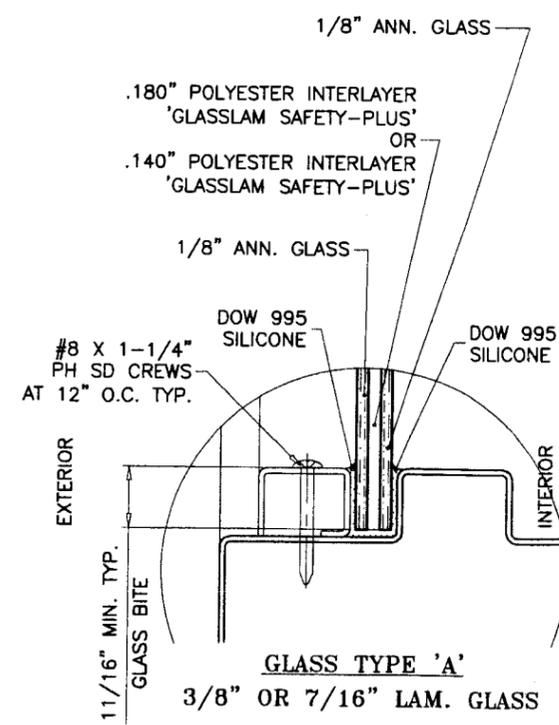
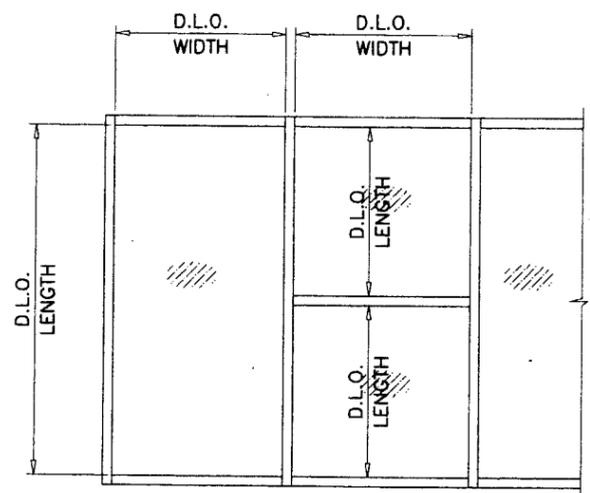
revisions:
no. date by description
A 10.01.02 REV. PER BCCO COMMENTS
C 08.02.03 NO CHANGE THIS SHEET
D 07.19.05 CHARTS REV.
date: 05-13-02
scale: 1/2" = 1'-0"
dr. by: HAMID
chk. by:
drawing no. **W02-47**
sheet 3 of 7

GLASS DESIGN LOAD CAPACITY - PSF				
D.L.O. DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'
D.L.O. WIDTH	D.L.O. LENGTH	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)
18"	30-1/2"	75.0	75.0	75.0
21"		75.0	75.0	75.0
23-3/4"		75.0	75.0	75.0
27"		75.0	75.0	75.0
30-1/2"		75.0	75.0	75.0
36"		75.0	75.0	75.0
42"		75.0	75.0	75.0
48"		75.0	75.0	75.0
51"		75.0	75.0	75.0
51"		75.0	75.0	75.0
18"	38-1/2"	75.0	75.0	75.0
21"		75.0	75.0	75.0
23-3/4"		75.0	75.0	75.0
27"		75.0	75.0	75.0
30-1/2"		75.0	75.0	75.0
36"		75.0	75.0	75.0
42"		75.0	75.0	75.0
48"		74.7	75.0	75.0
51"		69.4	75.0	75.0
51"		69.4	75.0	75.0
18"	42"	75.0	75.0	75.0
21"		75.0	75.0	75.0
23-3/4"		75.0	75.0	75.0
27"		75.0	75.0	75.0
30-1/2"		75.0	75.0	75.0
36"		75.0	75.0	75.0
42"		75.0	75.0	75.0
48"		71.0	75.0	75.0
51"		65.4	75.0	75.0
51"		65.4	75.0	75.0
18"	48"	75.0	75.0	75.0
21"		75.0	75.0	75.0
23-3/4"		75.0	75.0	75.0
27"		75.0	75.0	75.0
30-1/2"		75.0	75.0	75.0
36"		75.0	75.0	75.0
42"		71.0	75.0	75.0
48"		65.8	75.0	75.0
51"		60.7	75.0	75.0
51"		60.7	75.0	75.0
18"	54"	75.0	75.0	75.0
21"		75.0	75.0	75.0
23-3/4"		75.0	75.0	75.0
27"		75.0	75.0	75.0
30-1/2"		75.0	75.0	75.0
36"		68.6	75.0	75.0
42"		61.6	75.0	75.0
42"		61.6	75.0	75.0
42"		61.6	75.0	75.0
42"		61.6	75.0	75.0
18"	60"	75.0	75.0	75.0
21"		75.0	75.0	75.0
23-3/4"		75.0	75.0	75.0
27"		74.1	75.0	75.0
30-1/2"		68.1	75.0	75.0
36"		60.8	75.0	75.0
36"		60.8	75.0	75.0
36"		60.8	75.0	75.0
36"		60.8	75.0	75.0
36"		60.8	75.0	75.0
18"	65-1/2"	75.0	75.0	75.0
21"		75.0	75.0	75.0
23-3/4"		74.0	75.0	75.0
27"		65.1	75.0	75.0
30-1/2"		60.7	75.0	75.0
36"		56.2	75.0	75.0

GLASS DESIGN LOAD CAPACITY - PSF				
D.L.O. DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'
D.L.O. WIDTH	D.L.O. LENGTH	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)
18"	70-1/2"	75.0	75.0	75.0
21"		75.0	75.0	75.0
23-3/4"		68.5	75.0	75.0
27"		60.1	75.0	75.0
30-1/2"		55.9	75.0	75.0
30-1/2"		55.9	75.0	75.0
18"	72"	75.0	75.0	75.0
21"		75.0	75.0	75.0
23-3/4"		67.2	75.0	75.0
27"		59.1	75.0	75.0
30-1/2"		54.4	75.0	75.0
30-1/2"		54.4	75.0	75.0
18"	78"	75.0	75.0	75.0
21"		75.0	75.0	75.0
23-3/4"		63.8	75.0	75.0
27"		55.9	75.0	75.0
30-1/2"		50.1	75.0	75.0
30-1/2"		50.1	75.0	75.0
18"	80-1/2"	75.0	75.0	75.0
21"		74.4	75.0	75.0
23-3/4"		62.7	75.0	75.0
27"		54.7	75.0	75.0
30-1/2"		49.1	75.0	75.0
30-1/2"		49.1	75.0	75.0

GLASS CHARTS

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-02 (3 SEC. GUSTS)



VALUES SHOWN ABOVE ARE MAXIMUM DAYLITE OPENING DIMS. FOR GLASS. CONSULT WITH CHARTS AT SHEET 2 FOR MULLION CAPACITY.

PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No. 05-1129-06
Expiration Date Nov 21, 2007
By Isaac I. Chandy
Miami Dade Product Control Division

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557
NOV 3 2005

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 07-0613-05
Expiration Date 11/21/2012
By [Signature]
Miami Dade Product Control Division

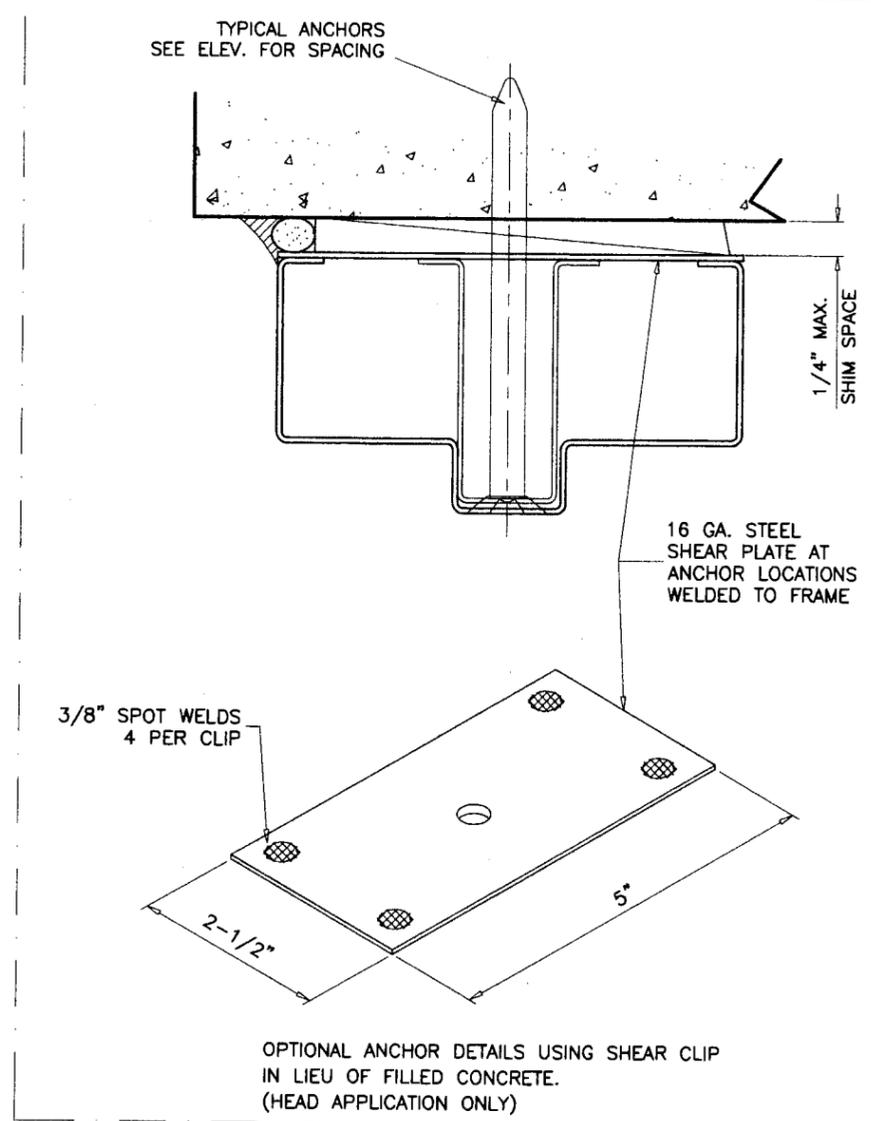
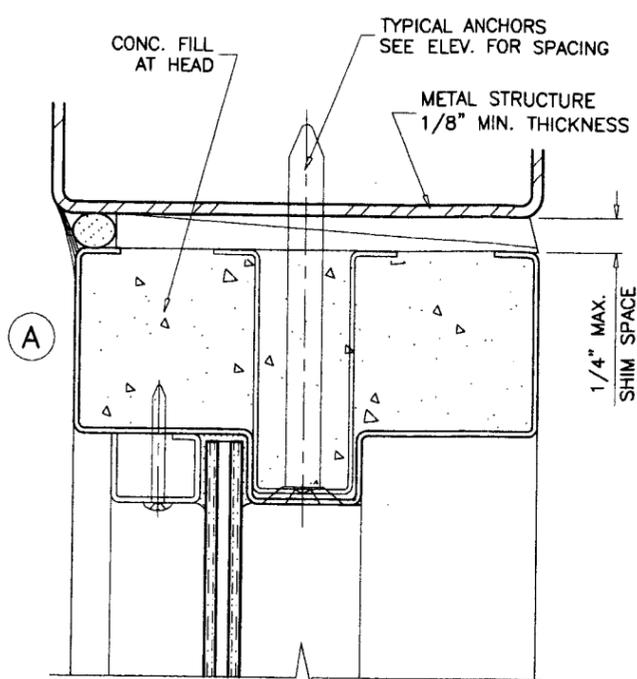
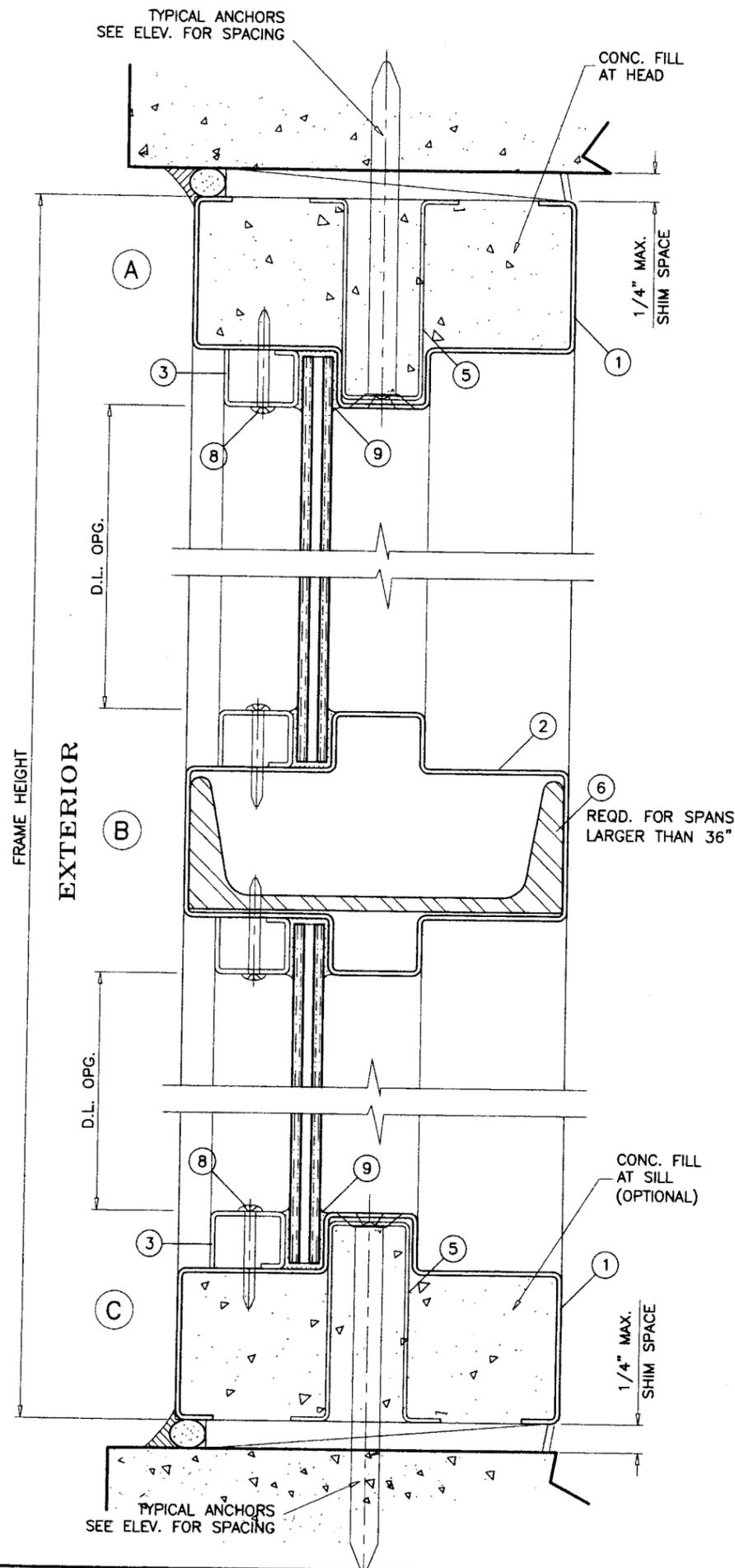
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE W02-47FDC

AL-FAROOQ CORPORATION
SERIES 1210 STEEL STOREFRONT SYS. (L.M.)
FIREDOOR DIVISION OF
ARK II MANUFACTURING, LLC
1350 N.W. 74TH STREET
MIAMI, FL. 33147
TEL. (305) 691-1500 FAX (305) 836-4797

revisions:
no. date by description
D 07.19.05 CHARTS ADDED

date: 05-13-02
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no. **W02-47**
sheet 4 of 7



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

TYPICAL ANCHORS @ HEAD/JAMB: SEE ELEV. FOR SPACING

- A) **5/16" DIA. TAPCONS**
DIRECTLY INTO CONC.
1-3/4" MIN. EMBED INTO CONCRETE INTO BLOCK
1-1/4" MIN. EMBED INTO MASONRY
- B) **3/8" DIA. SLEEVE ANCHOR HILT**
DIRECTLY INTO CONC.
1-3/4" MIN. EMBED INTO CONCRETE
- C) **3/8" SMS OR MACHINE BOLTS (MIN. GRADE 2 CRS)**
INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICK.)

STEEL : $F_y = 36$ KSI MIN.
ALUMINUM : 6063-T5 MIN.

TYPICAL EDGE DISTANCE
INTO CONC. AND MASONRY = 3-1/2" MIN.

NOTE:
HEAD & SILL ANCHORED TO CONCRETE.
JAMBS CAN BE ANCHORED TO MASONRY BLOCKS.

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 18557

NOV 3 2005

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No **07-0613.05**
Expiration Date **11/21/2012**
By *[Signature]*
Miami Dade Product Control Division

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No **05-1129.06**
Expiration Date **NOV 21 2007**
By *[Signature]*
Miami Dade Product Control Division

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SERIES 1210 STEEL STOREFRONT SYS. (L.M.)

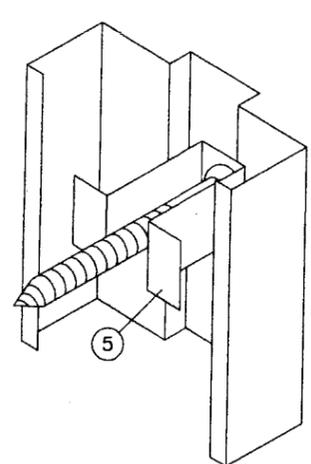
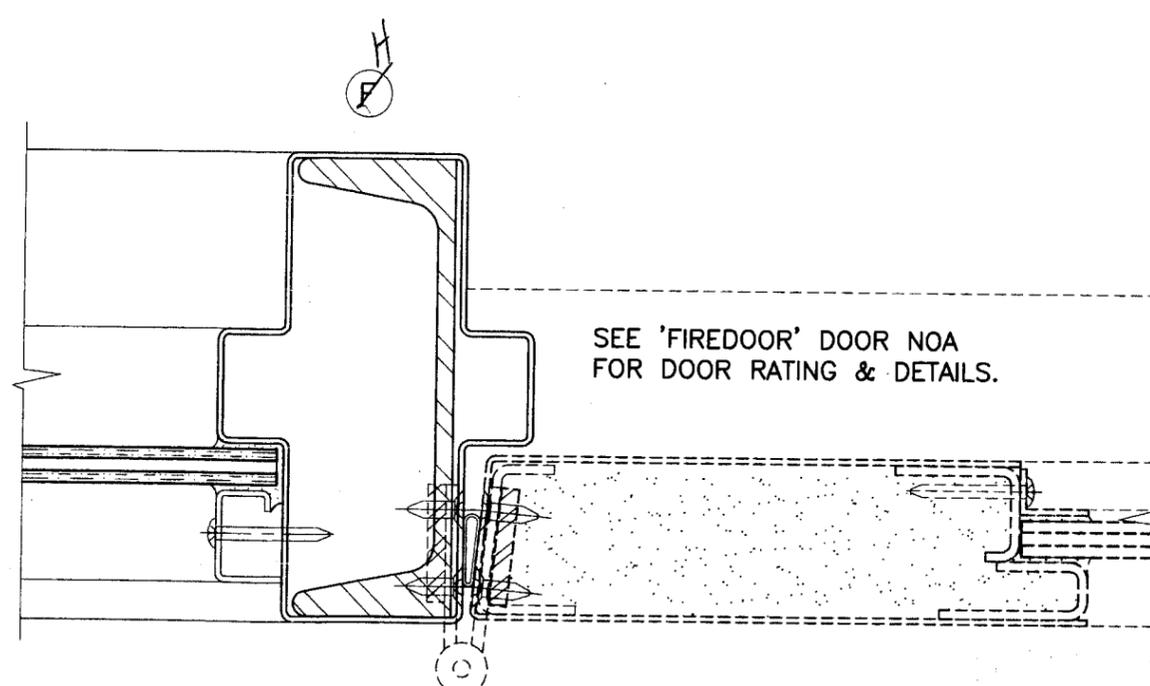
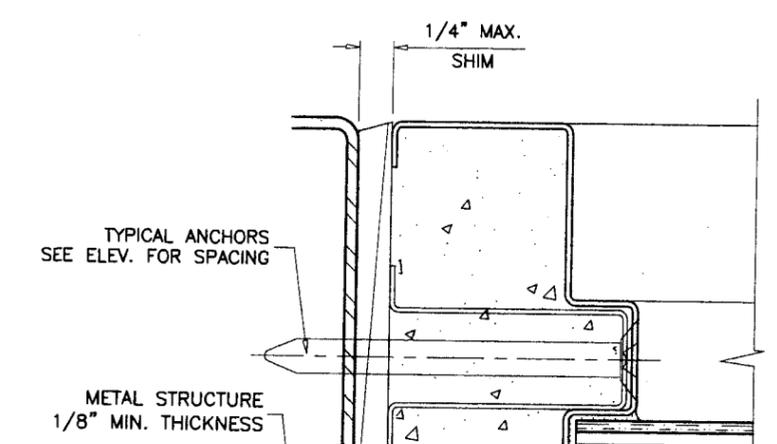
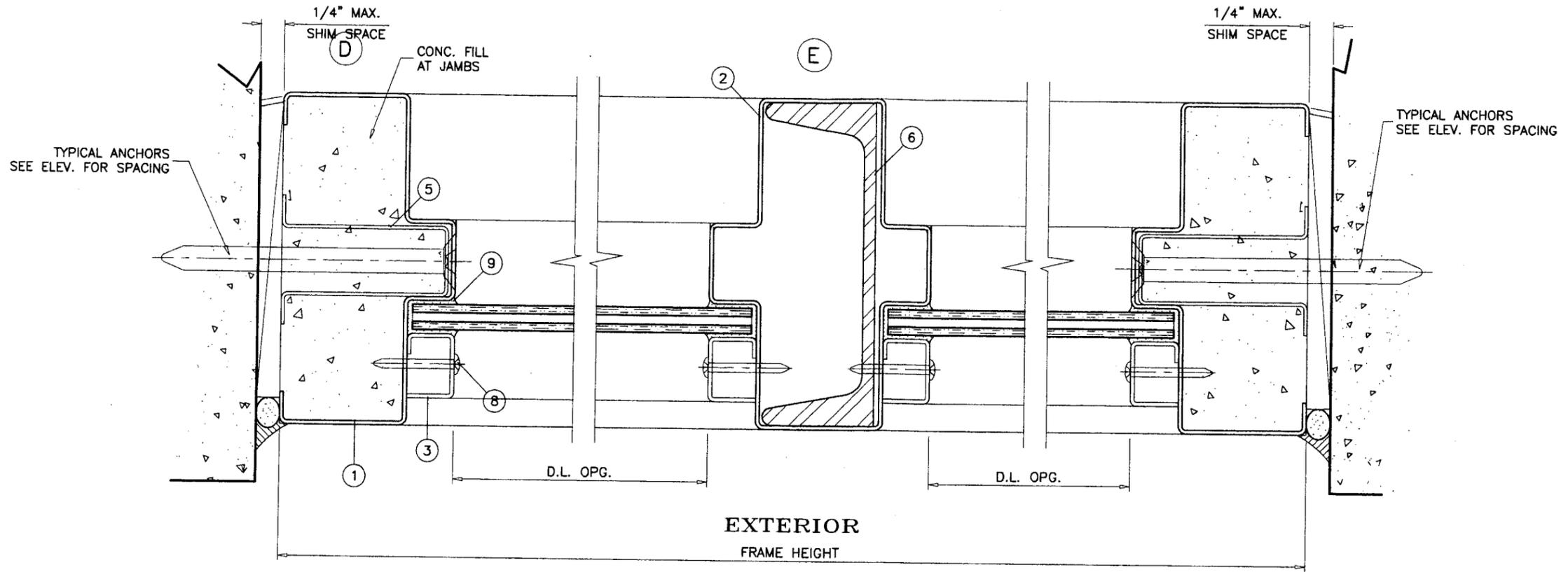
FIREDOOR DIVISION OF ARK II MANUFACTURING, LLC
1350 N.W. 74TH STREET
MIAMI, FL. 33147
TEL (305) 991-1500 FAX (305) 836-4797

no	date	by	description
A	10.01.02	REV. PER BCCO COMMENTS	
C	08.02.03	NO CHANGE THIS SHEET	
D	07.19.05	ANCHORS REV.	

revisions:

date: 05-13-02
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no. **W02-47**
sheet 5 of 7



Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 15557

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 07-0613.05
Expiration Date 11/21/2012

By *[Signature]*
Miami Dade Product Control
Division

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 05-1129.06
Expiration Date *March 2007*

By *[Signature]*
Miami Dade Product Control
Division

afc

AL-FAROOQ CORPORATION
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1235 SW 87 AVE
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SERIES 1210 STEEL STOREFRONT SYS. (L.M.)

FIREDOOR DIVISION OF ARK II MANUFACTURING, LLC
1350 N.W. 74TH STREET
MIAMI, FL. 33147
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no	date	by	description
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D	07.19.05	NO CHANGE THIS SHEET	

revisions:

date: 05-13-02

scale: 1/2" = 1"

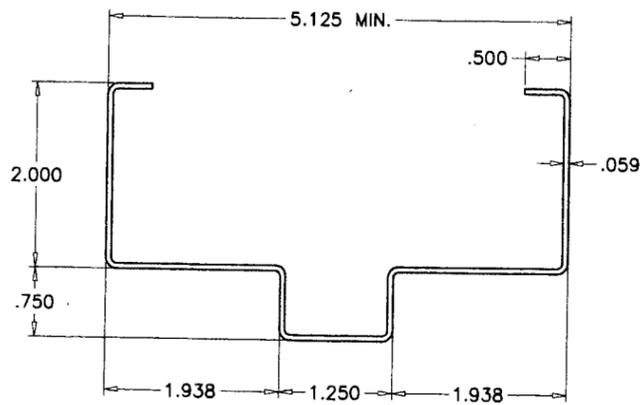
dr. by: HAMID

chk. by:

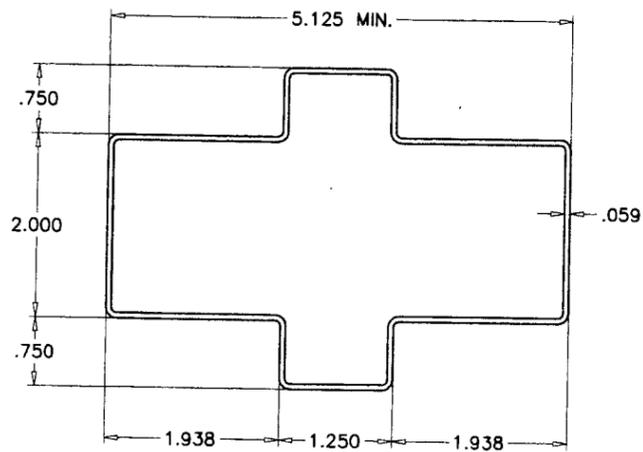
drawing no.
W02-47

sheet 6 of 7

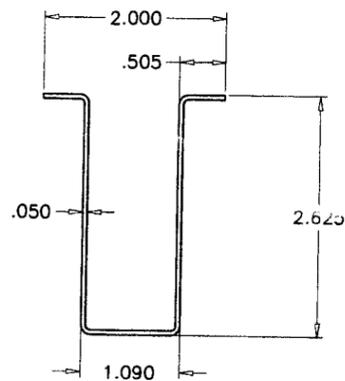
NOV 3 2005



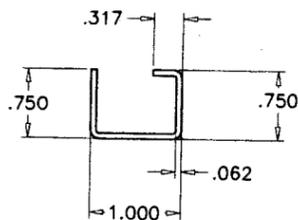
FRAME HEAD/JAMB/SILL



FRAME HORIZONTAL/VERTICAL

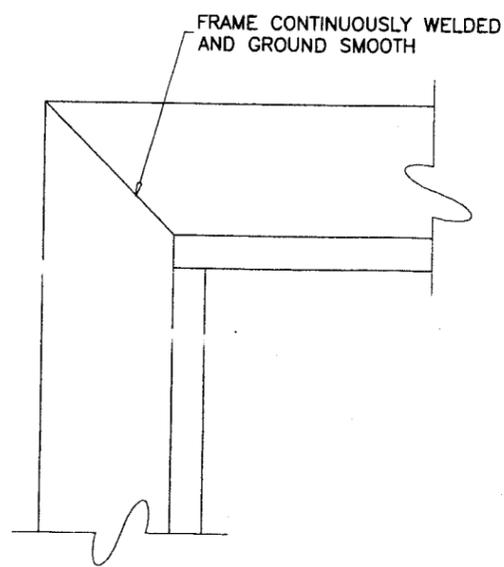


ANCHOR SPACER

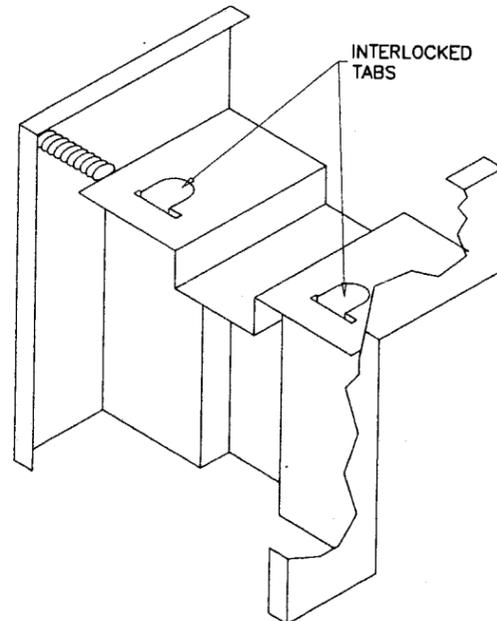


GLAZING STOP

ITEM NO.	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	-	AS REQD.	FRAME HEAD/SILL/JAMB	STEEL	16 GA. FORMED (.058") MIN. Fy = 41,000
2	-	AS REQD.	FRAME MULLION/HORIZONTAL	STEEL	16 GA. FORMED (.058") MIN. Fy = 45,000
3	-	AS REQD.	GLAZING STOP	STEEL	16 GA. FORMED
5	-	1/ ANCHOR	ANCHOR SPACER	STEEL	18 GA.
6	C5 X 6.7	AS REQD.	REINFORCING CHANNEL	STEEL	1-3/4" X 5"
8	#8X1-1/4"	AS REQD.	GLAZING STOP SCREWS	-	AT 3" FROM ENDS & 12" O.C.
9	DOW 995	AS REQD.	GLAZING COMPOUND	SILICONE	-



FRAME CORNERS



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-112906
 Expiration Date NOV 21 2007
 By Ishag L. Chanda
 Miami Dade Product Control
 Division

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 07-0613.05
 Expiration Date 11/21/2012

NOV 9 2005

By [Signature]
 Miami Dade Product Control
 Division

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date: 05-13-02
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W02-47

sheet 7 of 7