



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)**

**Construction Glass Industries**  
10100 N.W. 25 St.  
Miami FL., 33172

**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 "450" Inswing Aluminum Door w/ Sidelites - Impact**

**APPROVAL DOCUMENT:** Drawing No. **W06-73**, titled "Series 450 Inswing Doors & Sidelites", sheets 1, 1.1 through 7.1 of 7, prepared by Al-Farooq Corporation, dated 10/27/06 and last revised on Nov 08, 2006, signed and sealed by Dr. Humayoun 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**

Limitation:

1. Ext design pressure= +50 psf w/ Sill type S-1 and SS type sill is not rated for water infiltration.
2. Full design pressures (see charts) are applicable, where water infiltration requirement is not 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 **revises & renews** NOA # **03-0422.02** and, consists of this page 1 as well as approval document mentioned above.

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

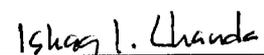


4  
3/28/17

NOA No. 07-0228.01  
Expiration Date: November 09, 2011  
Approval Date: April 19, 2007  
Page 1

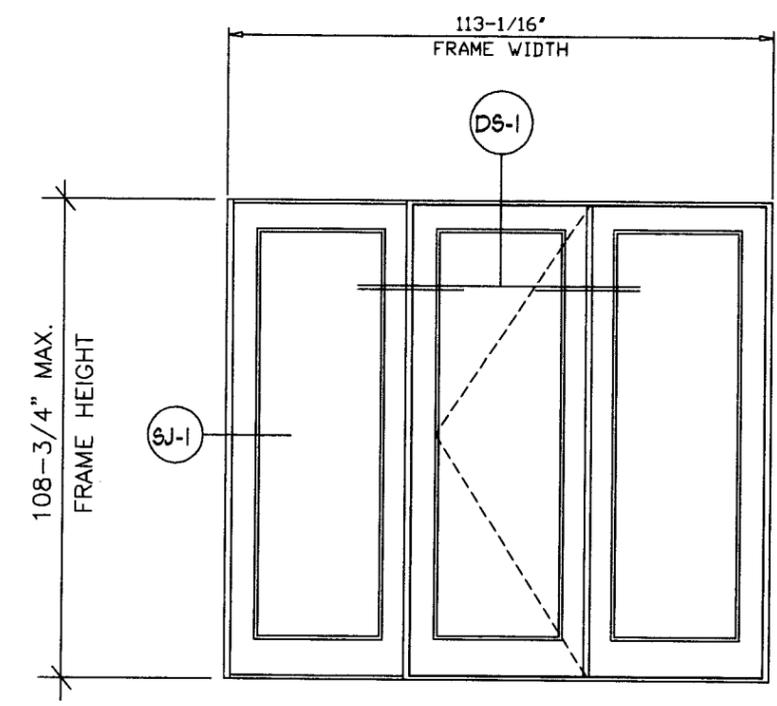
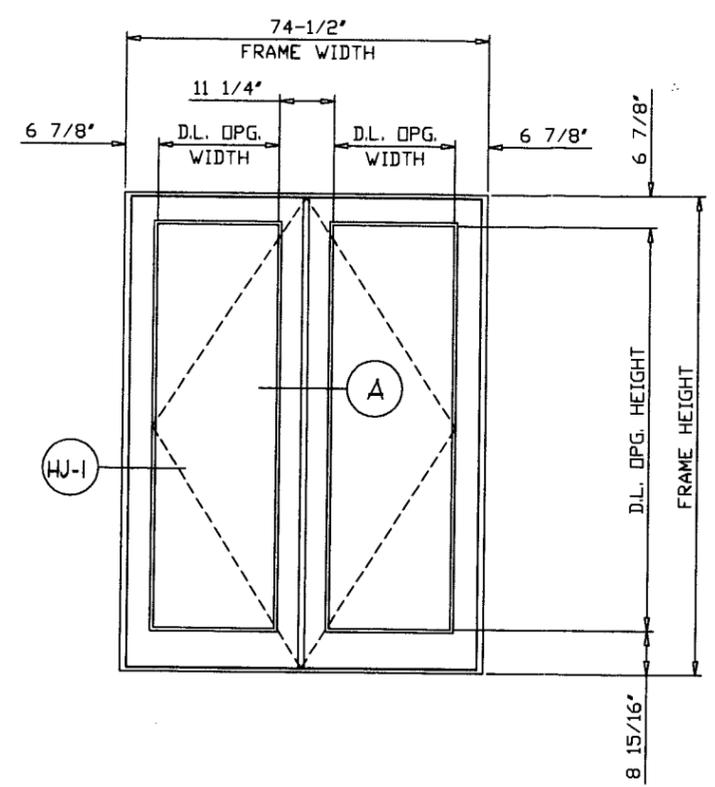
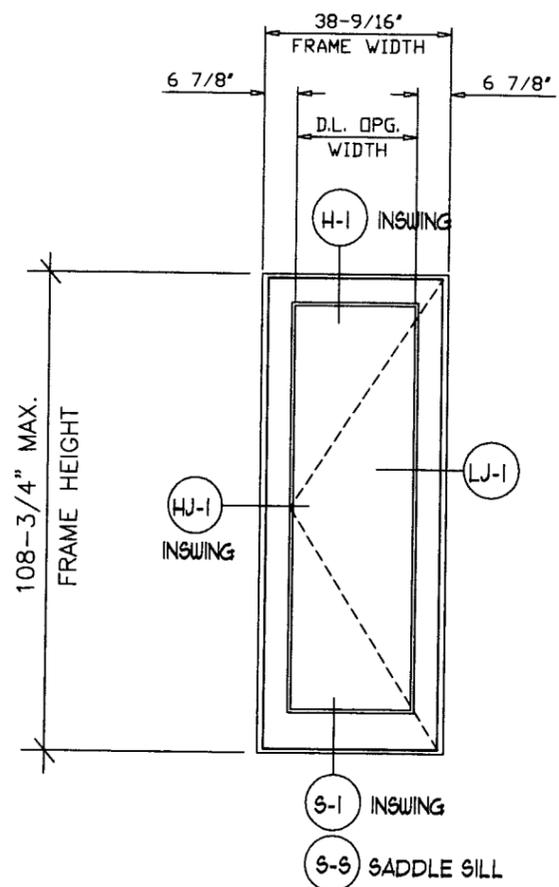
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

- A. DRAWINGS** (transferred from file # **03-0422.02**)
1. Manufacturer's die drawings and sections.
  2. Drawing No. **W06-73**, titled "Series 450 Inswing Doors & Sidelites", sheets 1, 1.1 through 7.1 of 7, prepared by Al-Farooq Corporation, dated 10/27/06 and last revised on Nov 08, 2006, signed and sealed by Dr. Humayoun Farooq, P.E.
- B. TESTS** (transferred from file # **03-0422.02**) Original test conducted per FBC, PA 201, 202 & 203-94 now known as FBC, TAS 201, 202 & 203-94.
1. Test report 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.
    - 4) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
    - 5) Large Missile Impact Test per SFBC and PA201-94
    - 6) Cyclic Wind Pressure Loading per SFBC and PA203-94Along with manufacturer's parts and section drawing marked-up drawings of an aluminum In/out swing door w/sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-97055 (0080-912-97)** dated 09/23/97 thru 02/27/98 for specimen #1, 2, 3, 4 tested per PA202-94, specimen #4, 5A, 5B, 5C tested per PA201-94 & PA203-94, signed and sealed by Timothy S. Marshall, P.E.
  2. Additional test report on
    - 1) Uniform Static Air Pressure Test, Loading per PA 202-94
    - 2) Large Missile Impact Test per SFBC, PA201-94
    - 3) Cyclic Wind Pressure Loading per SFBC, PA 203-94Along with manufacturer's parts and section drawing marked-up drawings of aluminum out swing door w/sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-01071 (0080-0402-02)** dated 04/01/20028 tested per PA201-94 & PA203-94, signed and sealed by Vinu Abraham, P.E.
- C. CALCULATIONS**
1. Anchor verification dated 12-21-05 and last revised on 11/06/06, prepared by Al-Farooq Corp., complying w/ FBC 2004 prepared, signed and sealed by Dr. Humayoun Farooq, P.E.
  2. Glazing complies with ASTM E-1300-02
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO).
- E. MATERIAL CERTIFICATIONS**
1. Notice of Acceptance No. 03-0827.08 issued to Solutia, Inc. for "**Solutia Interlayers**", expiring on 03/04/09.
- F. STATEMENTS** (transferred from file# **02-0702.01**).
1. Statement letter of conformance and no financial interest, dated 12-21-05, signed by Dr. Humayoun Farooq, P.E.
  2. Letter of lab compliance, part of the above test reports.
- G. OTHER**
1. This NOA **revises & renews # 03-0422.02, expired on 11-09-06**
  2. **Series 450 Outswing NOA # 06-0127.02 expiring 11-09-11**

  
Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No. 07-0228.01  
Expiration Date: November 09, 2011  
Approval Date: April 19, 2007

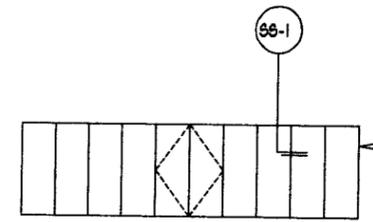
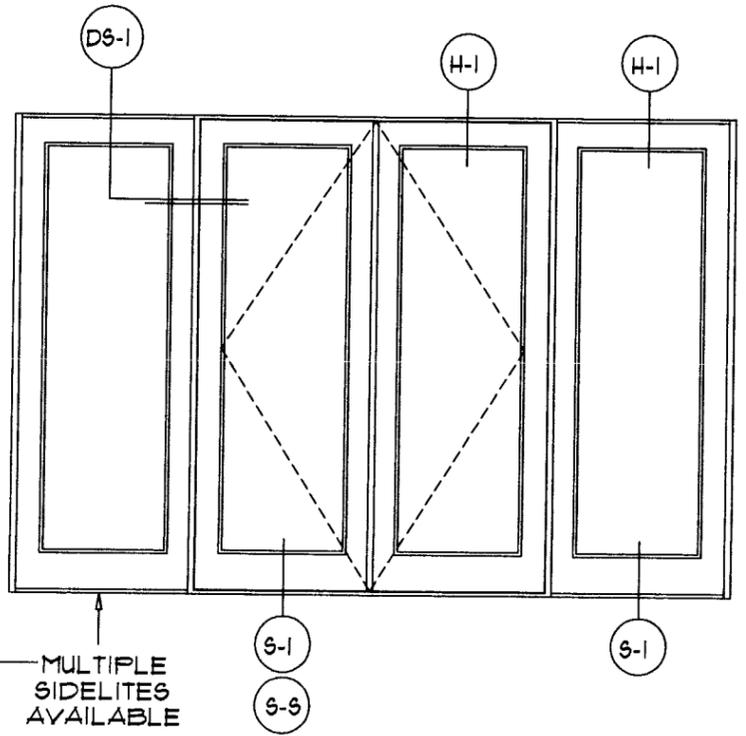
# TYPICAL ELEVATIONS

TYPICAL ANCHORS SPACED AS SHOWN IN DETAILS AND CHARTS.  
 ANCHORS TO BE AT 6" FROM CORNERS  
 MAX. SPACING 24" O.C. AT HEAD & SILL.



FRAME HEIGHT = PANEL HEIGHT + 1.750"  
 FRAME WIDTH = PANEL WIDTH + 2.750"

STEPS TO USE CHARTS/GRAPHS  
 SEE SHEETS 6 & 7.



MULTIPLE SIDELITES AVAILABLE

PANEL WIDTH	D.L. OPG. WIDTH
24"	12-7/8"
30"	18-7/8"
36"	24 7/8"
42"	30-7/8"

PANEL HEIGHT	D.L. OPG. HEIGHT
80"	66-1/2"
84"	70-1/2"
90"	76-1/2"
96"	82-1/2"
108"	94-1/2"

**LEGEND**

— I - INSWING DOOR DETAIL

□ - ITEM DESCRIPTION (see sheet 2 of 7)

W06-73

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

NOV 08 2006

**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No 07-0228-01  
 Expiration Date NOV 09, 2011  
 By Ishaq I. Chaudhry  
 Miami Dade Product Control Division

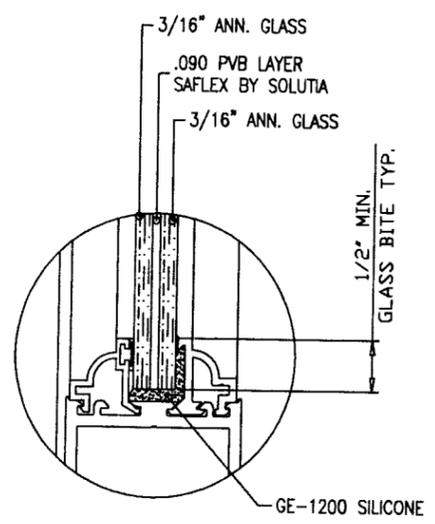
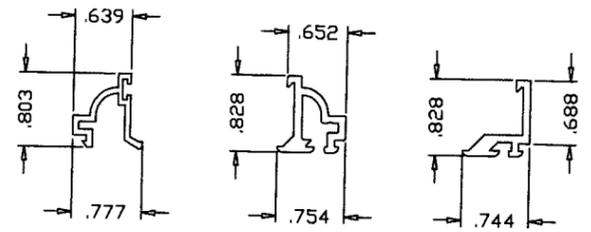
**CGI CORPORATION**  
 construction glass industries corporation  
 10100 northwest 25 street miami, florida 33172

product : Series 450 INSWING Doors & Sidelites

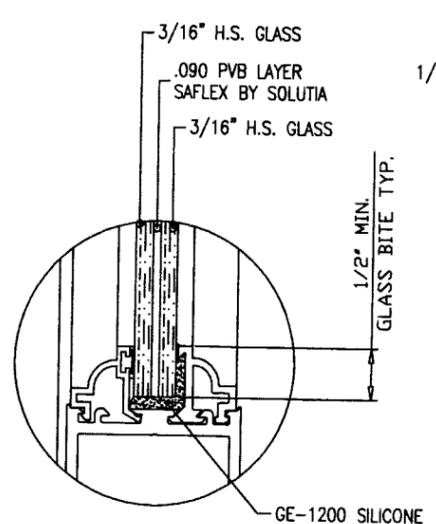
ENGINEER : Al Farooq Corporation  
 Dr. Humayoun Farooq  
 Structural -Fla. PE # 16557

date : 10-27-06 sheet 1 of 7

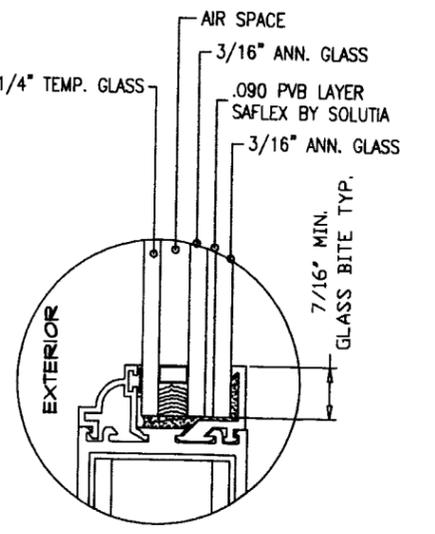
# TYPICAL ELEVATIONS



GLASS TYPE 13A

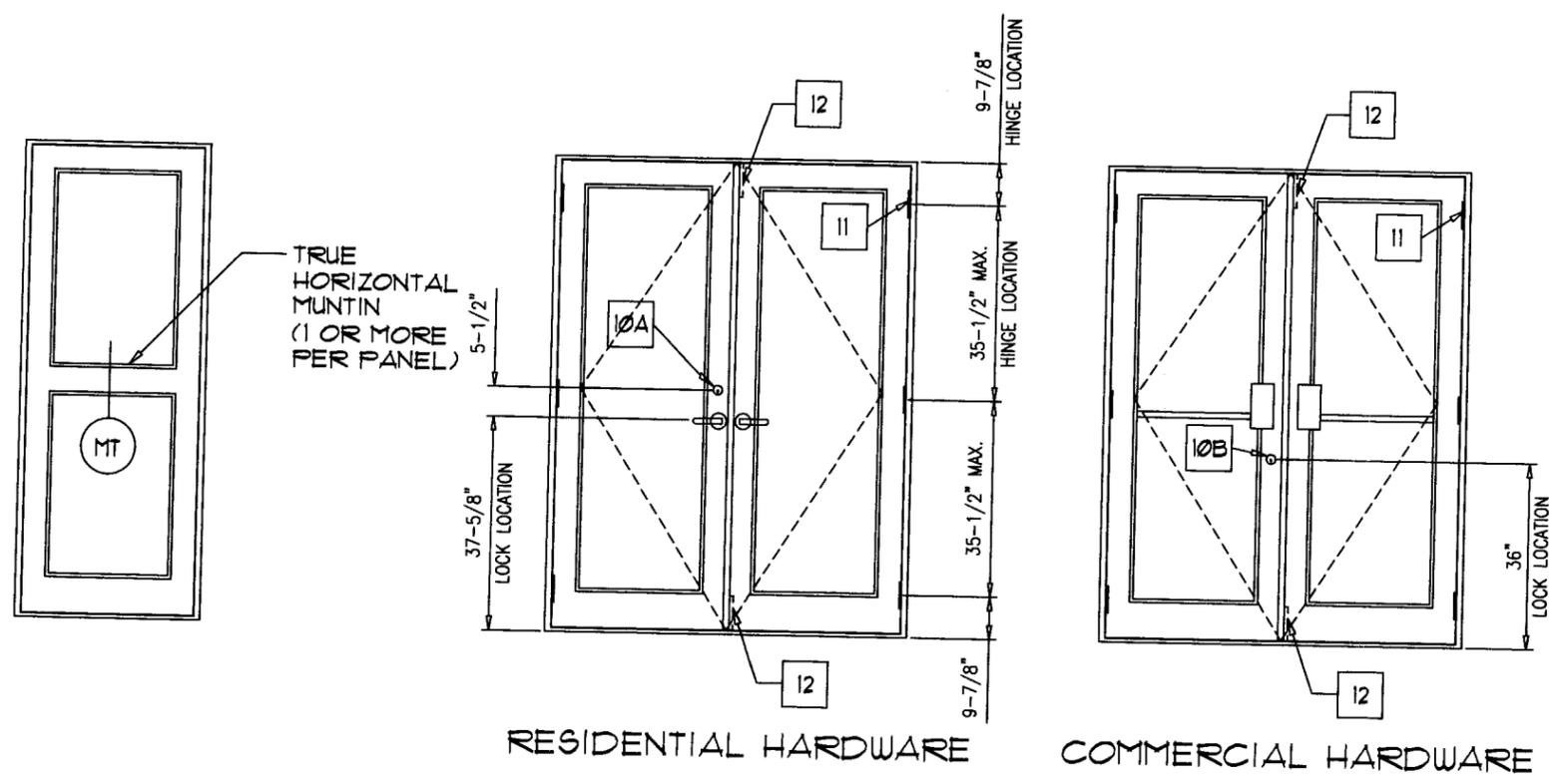


GLASS TYPE 13B



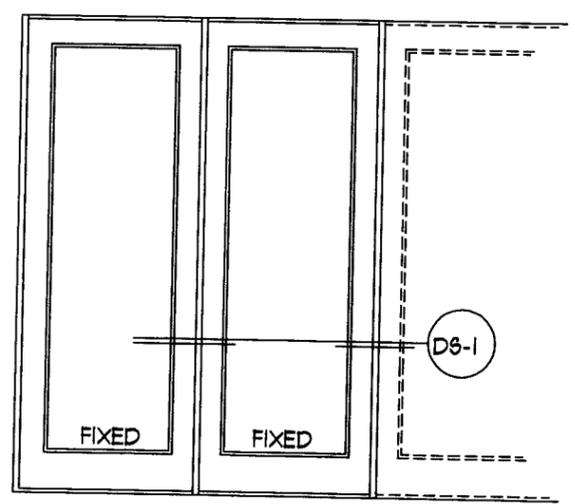
GLASS TYPE 13C

TYPICAL GLAZING DETAILS



RESIDENTIAL HARDWARE

COMMERCIAL HARDWARE



**LEGEND**

— I — INSWING DOOR DETAIL

□ - ITEM DESCRIPTION (see sheet 2 of 1)

HINGE LOCATIONS		
MAX. DOOR HEIGHT	NO. REQD.	MAX. SPACING
UPTO 90-3/4"	3	35 1/2"
ABOVE 90-3/4"	4	30 1/2"

OPTIONAL TRUE MUNTINS  
DOOR OR SIDELITE

HARDWARE DESCRIPTION

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

*[Signature]*  
NOV 08 2006

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No 07-0228-01  
Expiration Date Nov 09, 2011  
By: Ishtiaq I. Khan  
Miami Based Product Control  
Division

**CGI CORPORATION**  
construction glass industries corporation  
10100 northwest 25 street miami, florida 33172

product : Series 450 Inswing Doors & Sidelites

ENGINEER : Al Farooq Corporation  
Dr. Humayoun Farooq  
Structural -Fla. PE # 16557

date : 10-27-06 sheet 1.1 of 7

W06-73

# BILL OF MATERIALS

ITEM	DESCRIPTION
1	#12 X 1 1/4" HEX HEAD S/S SMS (3 PER CONNECTION)
2A	3/8-16 FULLY THREADED CONTINUOUS ROD
2B	3/8-16 HEX NUT
2C	1 1/2" X 1 1/2" X 3/16" THK. ALUMINUM PLATE
3	SHEAR CLIP (EXT. NO. 506)
4	DOUBLE 9/32" DIA. JAMB INSTLL. HOLES AT 6" FROM ENDS & 24 3/16" O.C. MAX.
5	9/32" DIA. HEAD & SILL INSTLL. HOLES AT 6" FROM ENDS, 3 @ CENTER OF PAIRS SPACED 6" O.C. & 24" O.C. MAX.
6	#10 X 1" PH-PH-SS TEKS SCREW, @ 3" & 7" FROM ENDS & 24" O.C. MAX.
7	#14 X 3/4" HEX HEAD S/S TEKS SCREW AT 6" FROM ENDS & 24 3/16" O.C. MAX.
8	.320 HIGH WOOL PILE WITH CENTER FIN (ULTRAFAB * 3032)
9	.350 HIGH FOAM-TITE WEATHERSEAL (AMESBURY * 32011)
10	THREE POINT LOCK AT ACTIVE LEAF
10A	CUSTOM CGI THREE POINT LOCK MECHANISM WHICH CONSISTS OF (1) TITAN KWIKSET SERIES 780 DEADBOLT (OR EQUAL) (2) DEADBOLT LATCH (TOP & BOTTOM) AND CUSTOM CGI INTERIOR LINKAGE MECHANISM
10B	REFLECTOLITE SERIES 6000 THREE POINT LOCK MECHANISM
11	HAGER 4 1/2" X 4" SOLID BRASS (OR S/S) HINGE SECURED WITH (8) #12-24 X 1/2" BRASS F.H. M.S. (3 PER PANEL UP TO 7'-6 3/4" HIGH) (4 PER PANEL OVER 7'-6 3/4" TO 9'-0 3/4" HIGH)
12	FLUSHBOLT AT TOP & BOTTOM OF INACTIVE LEAF (DELTA MODEL 5509) WITH REINFORCED TIP

13	13A 1/2" NOMINAL (.466 ACTUAL) ANNEALED LAMINATED GLASS (2 PCS.) 3/16" THK. ANN. GLASS AND .090" SAFLEX INTERLAYER
	13B 1/2" NOMINAL (.466 ACTUAL) HEAT STREN'D LAMINATED GLASS (2 PCS.) 3/16" THK. H.S. GLASS AND .090" SAFLEX INTERLAYER
	13C 1" NOMINAL (.966 ACTUAL) INSUL. ANN. LAMINATED GLASS 1/8" TEMP. GLASS (OUTBOARD), 3/8" AIR SPACE AND (2 PCS.) 3/16" THK. ANN. GLASS AND .090" SAFLEX INTERLAYER OR 1" NOMINAL (.966 ACTUAL) INSUL. ANN. LAMINATED GLASS 1/4" TEMP. GLASS (OUTBOARD), 1/4" AIR SPACE AND (2 PCS.) 3/16" THK. ANN. GLASS AND .090" SAFLEX INTERLAYER
14	GE-1200 SILICONE
15	3/4" X 1 1/4" X 3/4" X 1/8" THK. CONTINUOUS ALUMINUM CHANNEL SECURED WITH INSTALLATION SCREWS (SEE ITEM 5)
16	1/2" THK. (nom) CUSTOM ALUMINUM PANEL CONSISTING OF (2) .090 THK. ALUM. SHEETS & (1) 1/4" PLYWOOD AT CENTER
17	1/2" X 1/2" CONTINUOUS CLOSED CELL FOAM TAPE WITH ONE SIDE ADHESIVE
18	PLASTIC WEEP BAFFLE
19	7/8" X 5" X 1/8" THK. CONTINUOUS ALUMINUM SILL ANGLE ADAPTOR
EXT. = EXTRUSION LIST 500, 501, 502, 506, 507, 508, 509, 510 & 511 ALL EXTRUSIONS ARE 6063-T6.	

W06-73

Engr: DR. HUMAYOON FAROOQ  
STRUCTURES  
FLA. PE # 185J7

NOV 08 2006

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 07-0228.01  
Expiration Date NOV 09, 2011

By Ishaq I. Hane  
Miami Dade Product Control  
Division



construction glass industries corporation  
10100 northwest 25 street miami, florida 33172

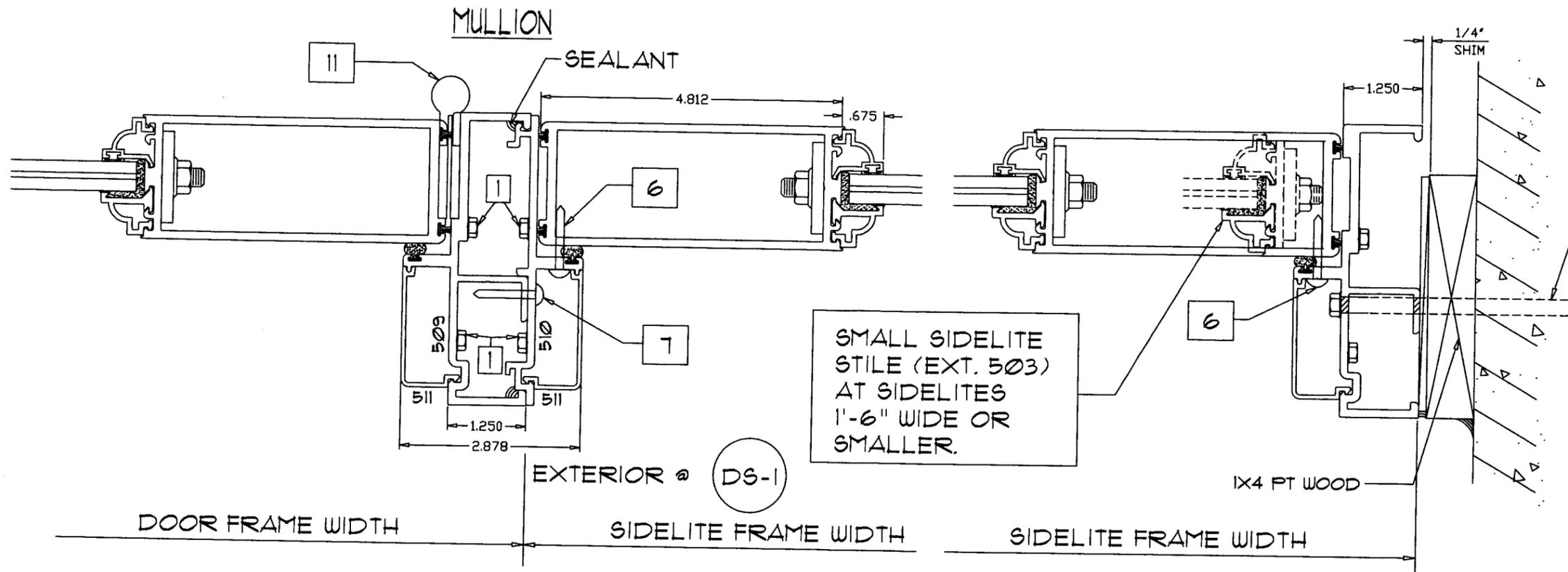
product : Series 450 Inswing Doors & Sidelites

ENGINEER : Al Farooq Corporation  
Dr. Humayoun Farooq  
Structural -Fla. PE # 16551

date : 10-21-06

sheet 2 of 7





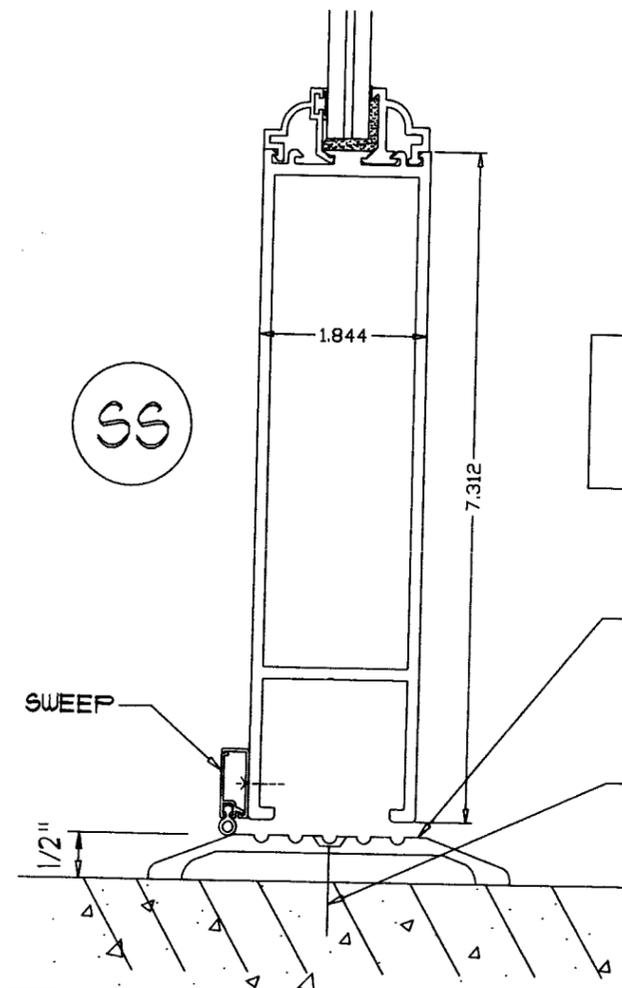
1/4"  $\phi$  X 3 3/4" LONG  
TAPCON SCREW  
@ 6" FROM ENDS  
& 20" O.C. AT  
INTERMEDIATE ANCHORS  
SEE SHEET 6

SMALL SIDELITE  
STILE (EXT. 503)  
AT SIDELITES  
1'-6" WIDE OR  
SMALLER.

DOOR FRAME WIDTH      SIDELITE FRAME WIDTH      SIDELITE FRAME WIDTH

DS-1

SJ-1



THIS SILL IS  
NOT RATED  
FOR WATER

4" WIDE SADDLE  
THRESHOLD

1/4"  $\phi$  X 1 3/4" LONG  
TAPCON SCREW  
@ 6" FROM ENDS  
& 24" O.C.

REFER TO SHEET 2 OF 7 FOR  
TYPICAL BILL OF MATERIALS

W06-73

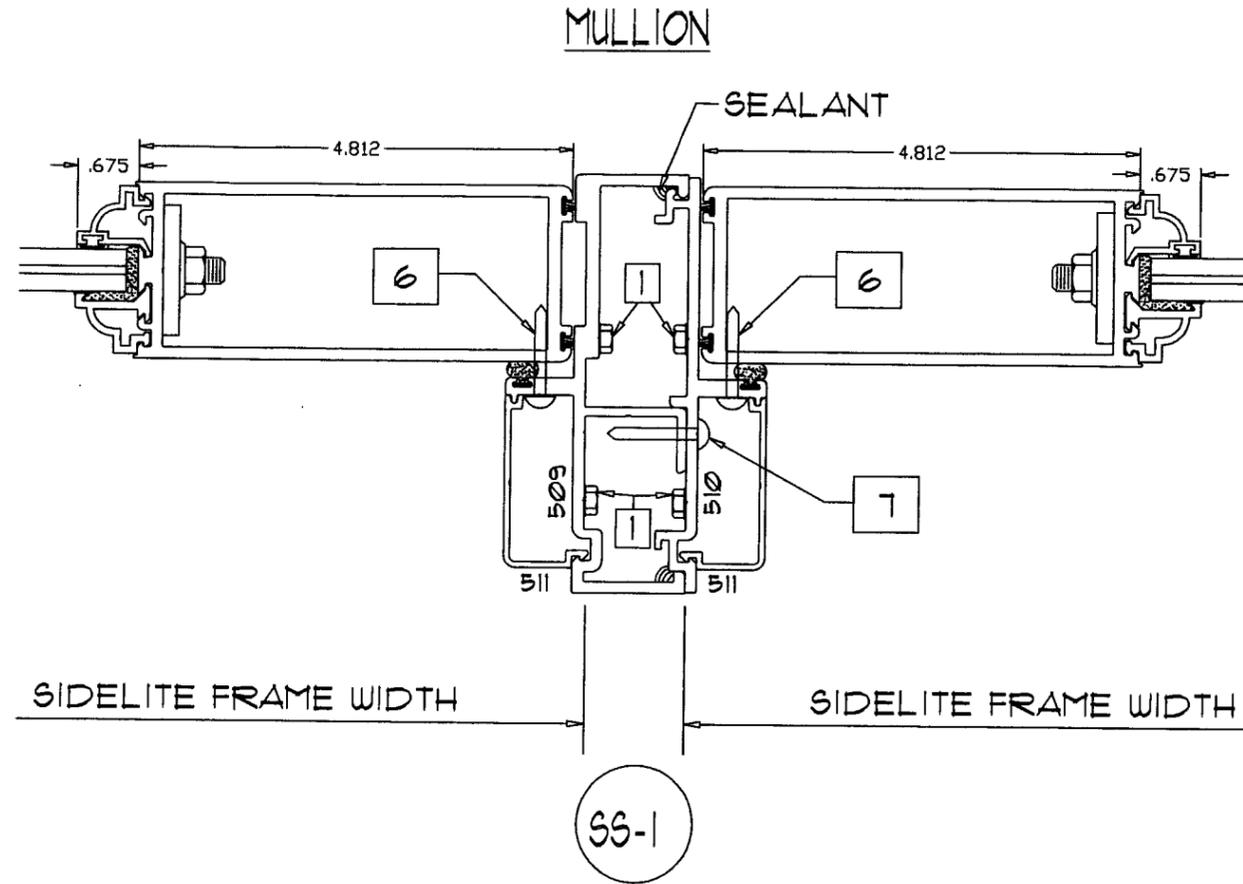
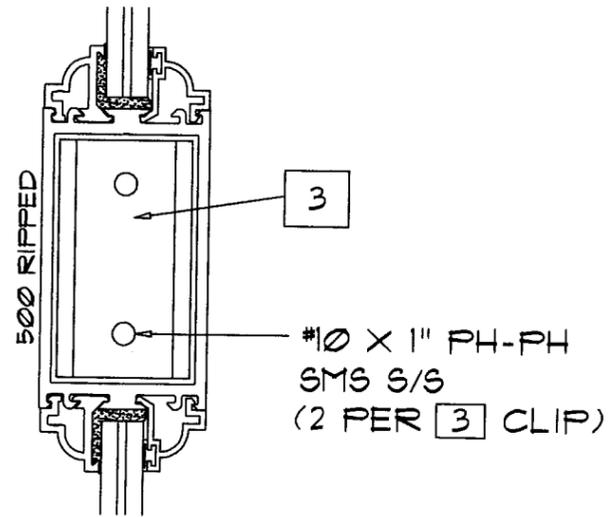
Engr. DR. HUMAYOON FAROOQ  
STRUCTURES  
FLA. PE # 16557

NOV 08 2006

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No 07-0228-U  
Expiration Date NOV 09, 2011  
By Shuaib I. Chaudhry  
Miami Dade Product Control  
Division

 construction glass industries corporation 10100 northwest 25 street miami, florida 33172	
product : Series 450 INSWING Doors & Sidelites	
ENGINEER : Al Farooq Corporation Dr. Humayoun Farooq Structural -Fla. PE # 16557	
date : 10-27-06	sheet 4 of 7

MT



REFER TO SHEET 2 OF 7 FOR  
TYPICAL BILL OF MATERIALS

W06-73

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

*[Signature]*  
NOV 8 2006

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No 07-0228-01  
Expiration Date Nov 09, 2011  
By [Signature]  
Miami Dade Product Control  
Division



construction glass industries corporation  
10100 northwest 25 street miami, florida 33172

product : Series 450 INSWING Doors & Sidelites

ENGINEER : Al Farooq Corporation  
Dr. Humayoun Farooq  
Structural -Fla. PE # 16557

date : 10-27-06

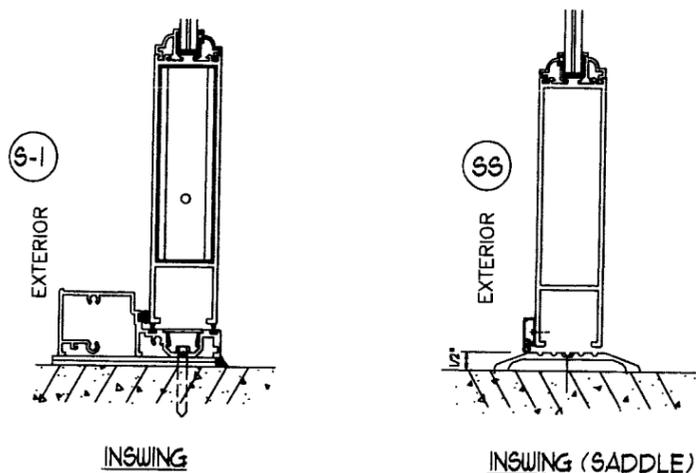
sheet 5 of 7

PANEL PERFORMANCE CHART FOR DOORS, SINGLE SIDELITES AND MULLIONS  
LAMINATED GLASS

NOMINAL DIMS.		IN-SWING DESIGN LOAD CAPACITY-PSF				MULLION LOAD CAPACITY PSF
PANEL WIDTH	PANEL HEIGHT	ANN. LAM. GLASS (TYPE 13A)		H.S. LAM. GLASS (TYPE 13B)		
		EXT.	INT.	EXT.	INT.	
2/0	6/8	100.0	100.0	100.0	110.0	110.0
2/6		100.0	100.0	100.0	110.0	110.0
3/0		100.0	100.0	100.0	110.0	110.0
3/6		87.1	87.1	100.0	110.0	110.0
2/0	7/0	100.0	100.0	100.0	110.0	110.0
2/6		100.0	100.0	100.0	110.0	110.0
3/0		100.0	100.0	100.0	110.0	110.0
3/6		82.6	82.6	100.0	110.0	110.0
2/0	7/6	100.0	100.0	100.0	110.0	110.0
2/6		100.0	100.0	100.0	110.0	110.0
3/0		100.0	100.0	100.0	110.0	110.0
3/6		76.8	76.8	100.0	102.9	110.0
2/0	8/0	100.0	100.0	100.0	110.0	110.0
2/6		100.0	100.0	100.0	110.0	110.0
3/0		100.0	100.0	100.0	110.0	110.0
2/0	9/0	100.0	100.0	100.0	110.0	110.0
2/6		100.0	100.0	100.0	110.0	96.6
3/0		100.0	100.0	100.0	100.0	80.5

LOADS SHOWN ABOVE ARE FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.  
LIMIT EXT.(+) LOADS TO 50.0 PSF FOR THRESHOLD (S-I) WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.  
THRESHOLD (S-S) IS NOT RATED FOR WATER INFILTRATION.

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

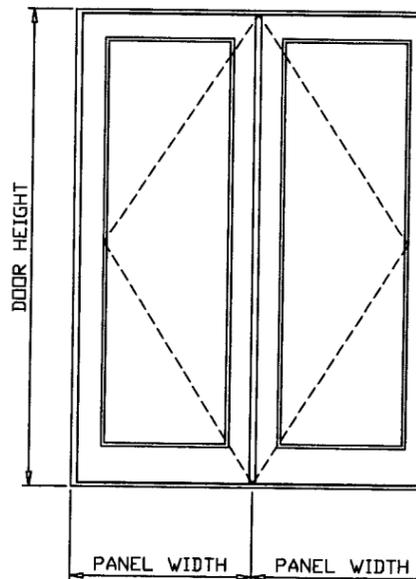
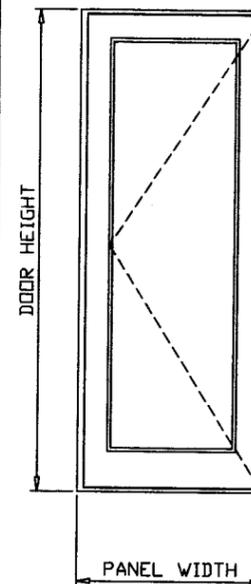


PANEL PERFORMANCE CHART FOR DOORS, SINGLE SIDELITES AND MULLIONS  
INSULATED LAMINATED GLASS

NOMINAL DIMS.		IN-SWING DESIGN LOAD CAPACITY-PSF INSUL. ANN. LAM. GLASS (TYPE 13C)	
PANEL WIDTH	PANEL HEIGHT	EXT.	INT.
2/0	6/8	80.0	80.0
2/6		80.0	80.0
3/0		80.0	80.0
3/6		80.0	80.0
2/0	7/0	80.0	80.0
2/6		80.0	80.0
3/0		80.0	80.0
2/0	7/6	80.0	80.0
2/6		80.0	80.0
3/0		80.0	80.0
2/0	8/0	80.0	80.0
2/6		80.0	80.0
3/0		80.0	80.0

LOADS SHOWN ABOVE ARE FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.  
LIMIT EXT.(+) LOADS TO 50.0 PSF FOR THRESHOLD (S-I) WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.  
THRESHOLD (S-S) IS NOT RATED FOR WATER INFILTRATION.

PRODUCT RENEWED  
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Acceptance No. 07-0228-01  
Expiration Date Nov 09, 2011  
By Ishaq I. Chaudhry  
Miami Glass Product Control  
Division



THESE CHARTS CAN BE USED TO CHECK CAPACITY FOR  
SINGLE OR DOUBLE LEAF DOORS.  
REFER TO TABLES ON SHEET 7 TO DETERMINE ANCHORS REQUIRED.

STEPS TO USE CHARTS:

1. DETERMINE WIND LOAD BASED ON PROVISIONS OF 2004 FLORIDA BLDG. CODE.
2. DETERMINE WATER INFILTRATION REQUIREMENTS BASED ON PROVISIONS OF FBC.
3. SELECT A DOOR SYSTEM I.E. INSWING/OUTSWING AND TYPE OF THRESHOLD.
4. CHECK THE ALLOWABLE EXTERIOR AND INTERIOR LOADS FROM APPROPRIATE CHART. THE ALLOWABLE LOADS MUST MEET OR EXCEED THE DESIGN LOADS REQUIREMENTS.
5. SELECT AND CHECK ANCHORS TO MEET LOAD.
6. FOR MULLED SIDELITE REFER TO MULLION CAPACITY.

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

*[Signature]*

NOV 08 2006

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

SERIES 450 INSWING DOOR AND SIDELITE  
CONSTRUCTION GLASS INDUSTRIES  
10100 N.W. 25 ST.  
MIAMI, FL. 33172  
(305) 593 - 6590

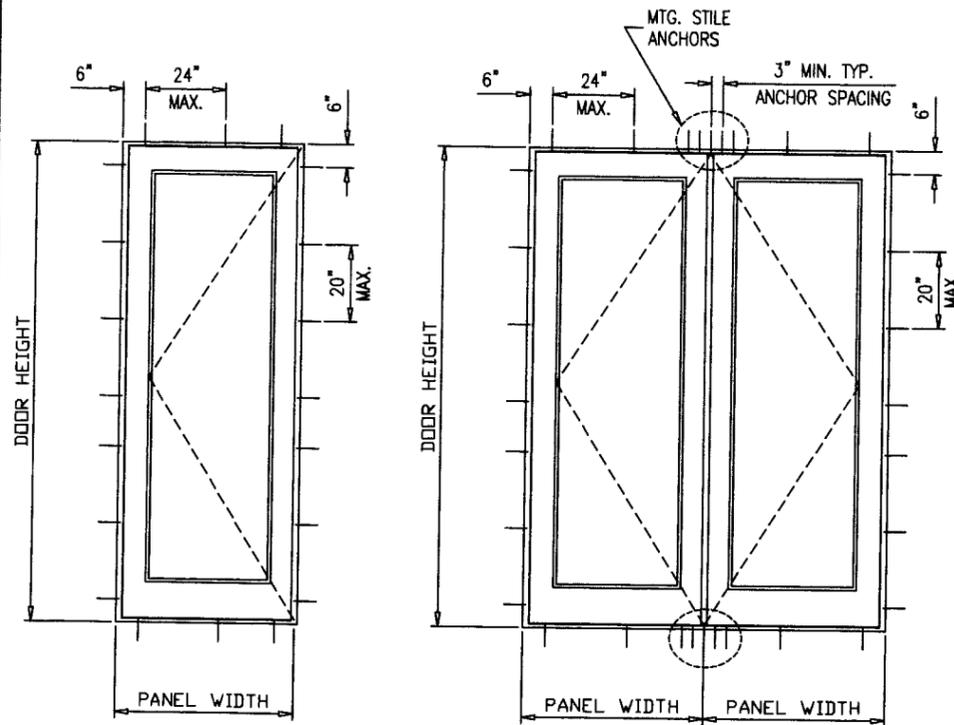
no.	date	description

date: 10-27-06  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
W06-73

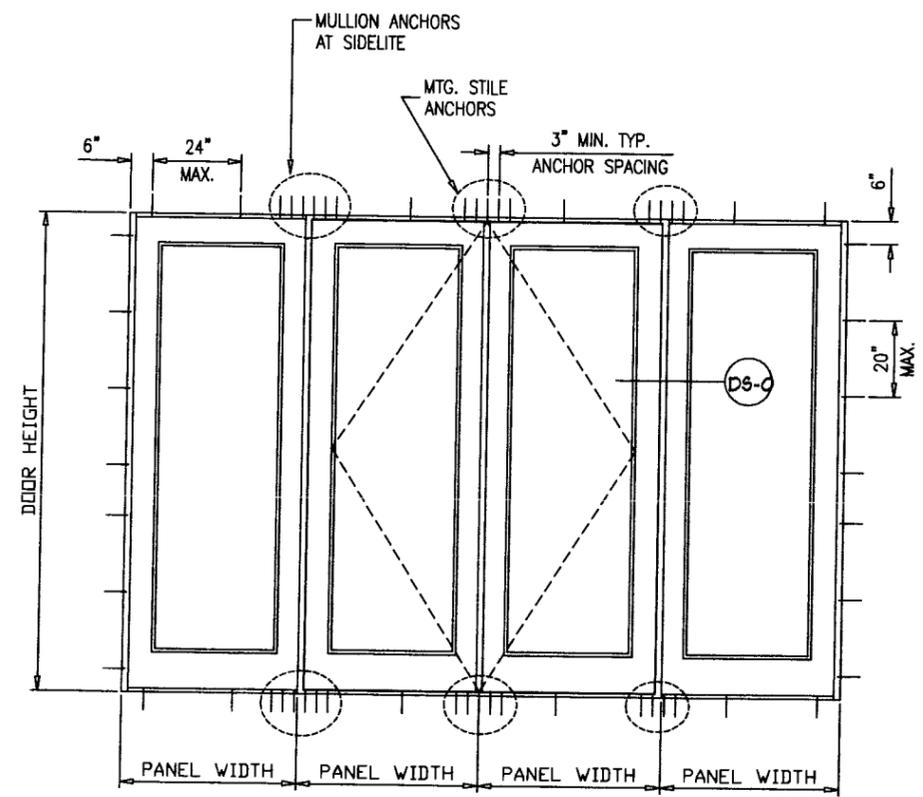
sheet 6 of 7

COMP-ANL\W06-73CG



SINGLE DOOR OR SIDELITE

DOUBLE DOOR



FOR SIDELITE AVG. PANEL WIDTH =  $\frac{\text{DOOR PANEL} + \text{FIXED PANEL}}{2}$

MULLION ANCHORS AT SIDELITES					
NOMINAL DIMS		DESIGN LOAD CAPACITY-PSF			
PANEL WIDTH	PANEL HEIGHT	TYPE 'B'		TYPE 'C'	
		CLUSTER OF 2 ANCHORS	CLUSTER OF 4 ANCHORS	CLUSTER OF 6 ANCHORS	CLUSTER OF 2 ANCHORS
2/0	6/8	88.2	110.0	110.0	110.0
2/6		70.6	110.0	110.0	100.3
3/0		58.8	110.0	110.0	83.6
3/6		50.4	100.8	110.0	71.7
2/0	7/0	84.0	110.0	110.0	110.0
2/6		67.2	110.0	110.0	95.5
3/0		56.0	110.0	110.0	79.6
3/6		48.0	96.0	110.0	68.2
2/0	7/6	78.4	110.0	110.0	110.0
2/6		62.7	110.0	110.0	89.2
3/0		52.3	104.5	110.0	74.3
3/6		44.8	89.6	110.0	63.7
2/0	8/0	73.5	110.0	110.0	104.5
2/6		58.8	110.0	110.0	83.6
3/0		49.0	98.0	110.0	69.7
2/0		65.3	110.0	110.0	92.9
2/6	9/0	52.3	104.5	110.0	74.3
3/0		43.6	87.1	110.0	61.9

MTG. STILE ANCHORS AT DOUBLE DOORS					
NOMINAL DIMS		DESIGN LOAD CAPACITY-PSF			
PANEL WIDTH	PANEL HEIGHT	TYPE 'B'		TYPE 'C'	
		CLUSTER OF 2 ANCHORS	CLUSTER OF 4 ANCHORS	CLUSTER OF 5 ANCHORS	CLUSTER OF 2 ANCHORS
2/0	6/8	88.2	110.0	110.0	110.0
2/6		70.6	110.0	110.0	100.3
3/0		58.8	110.0	110.0	83.6
3/6		50.4	100.8	110.0	71.7
2/0	7/0	84.0	110.0	110.0	110.0
2/6		67.2	110.0	110.0	95.5
3/0		56.0	110.0	110.0	79.6
3/6		48.0	96.0	110.0	68.2
2/0	7/6	78.4	110.0	110.0	110.0
2/6		62.7	110.0	110.0	89.2
3/0		52.3	104.5	110.0	74.3
3/6		44.8	89.6	110.0	63.7
2/0	8/0	73.5	110.0	110.0	104.5
2/6		58.8	110.0	110.0	83.6
3/0		49.0	98.0	110.0	69.7
2/0		65.3	110.0	110.0	92.9
2/6	9/0	52.3	104.5	110.0	74.3
3/0		43.6	87.1	108.9	61.9

**ANCHORS:**

TYPE 'B' - 1/4" TAPCONS  
 INTO WOOD STRUCTURES  
 1-3/4" MIN. PENETRATION INTO WOOD  
 THRU WOOD BUCKS INTO CONC. OR MASONRY  
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

TYPE 'C' - 1/4" TAPCONS  
 DIRECTLY INTO CONC. OR MASONRY  
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

**EDGE DISTANCES**

INTO CONCRETE AND MASONRY = 2-5/8" MIN.  
 INTO WOOD STRUCTURE = 1" MIN.

**STEPS TO USE CHARTS:**

1. SELECT TYPE OF ANCHOR.
2. FOR SIZE OF UNITS DETERMINE ALLOWABLE LOAD CAPACITY. THIS LOAD CAPACITY MUST MEET OR EXCEED DESIGN WIND LOAD REQUIREMENT DETERMINE IN STEP 1 OF SHEET 6.

**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No. 07-0228-01  
 Expiration Date: NOV 09, 2011  
 By: Ishaq I. Chaudhry  
 Miami Dade Product Control Division

Engr: DR. HUMAYOUN FAROOQ  
 STRUCTURES  
 FLA. P.E. # 15557

NOV 08 2006

**afc**

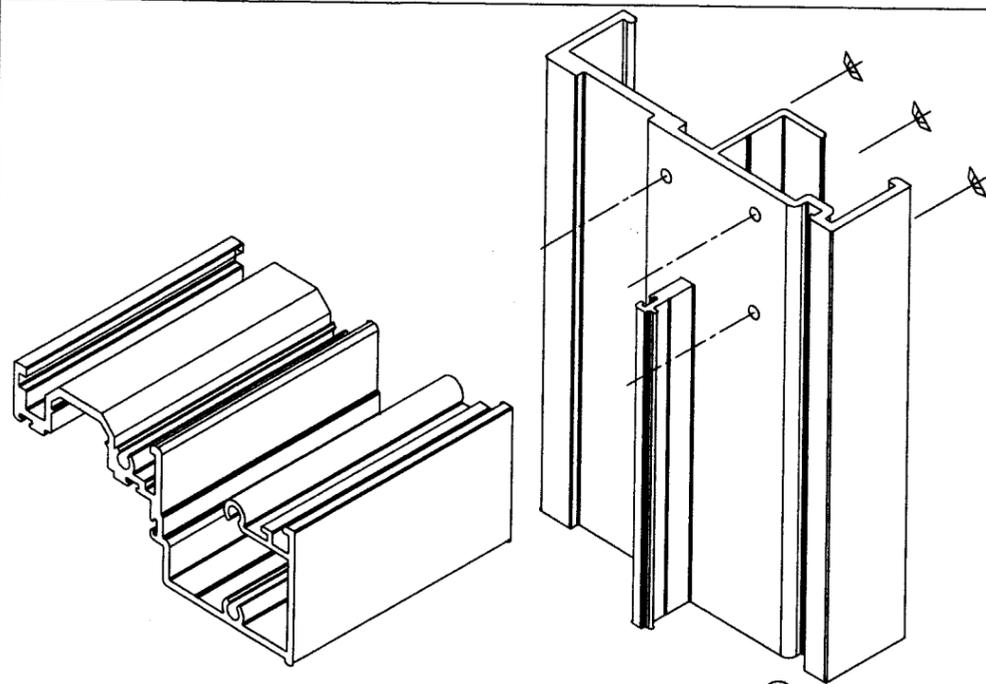
**AL-FAROOQ CORPORATION**  
 ENGINEERS, PLANNERS & PRODUCT DESIGN  
 1235 SW 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL\W06-73CG

SERIES 450 INSWING DOOR AND SIDELITE  
 CONSTRUCTION GLASS INDUSTRIES  
 10100 N.W. 25 ST.  
 MIAMI, FL. 33172  
 (305) 593 - 6590

revisions:	no	date	by	description

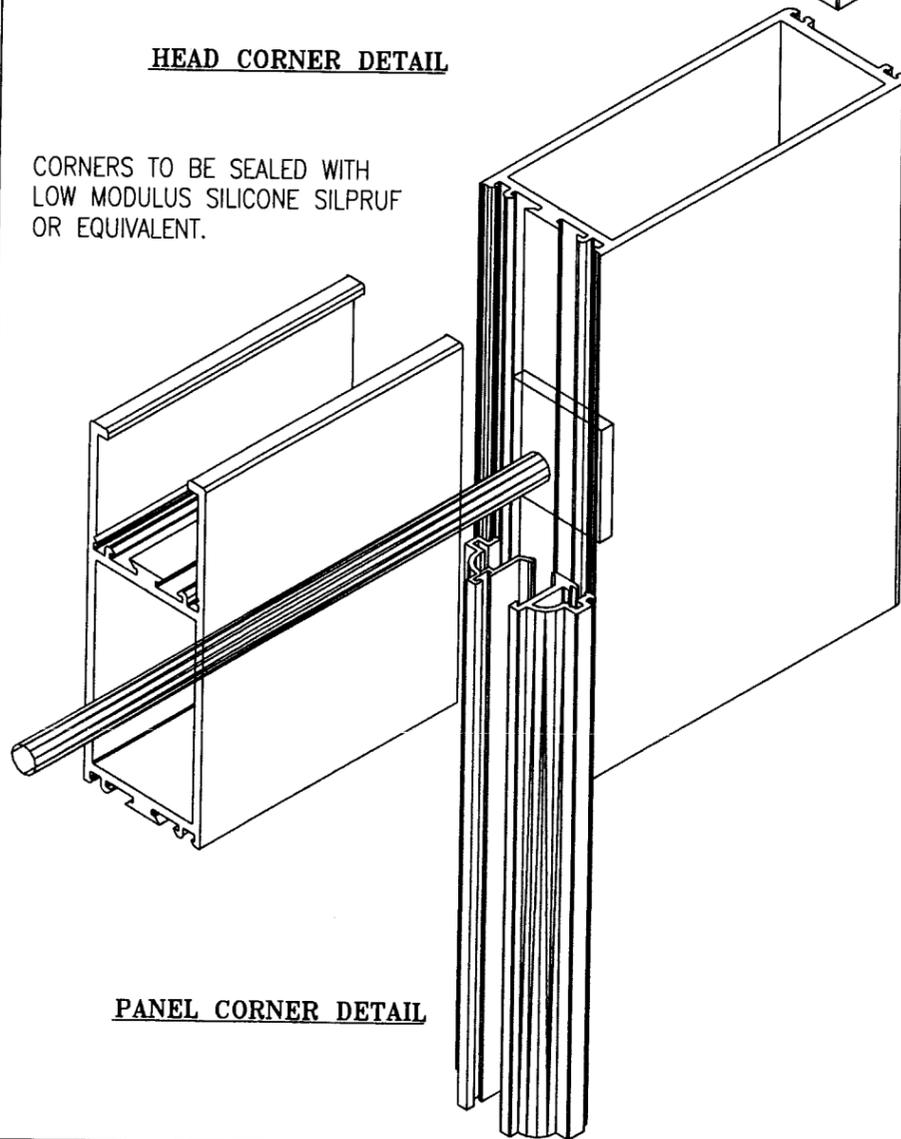
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 chk. by:

drawing no. W06-73  
 sheet 7 of 7

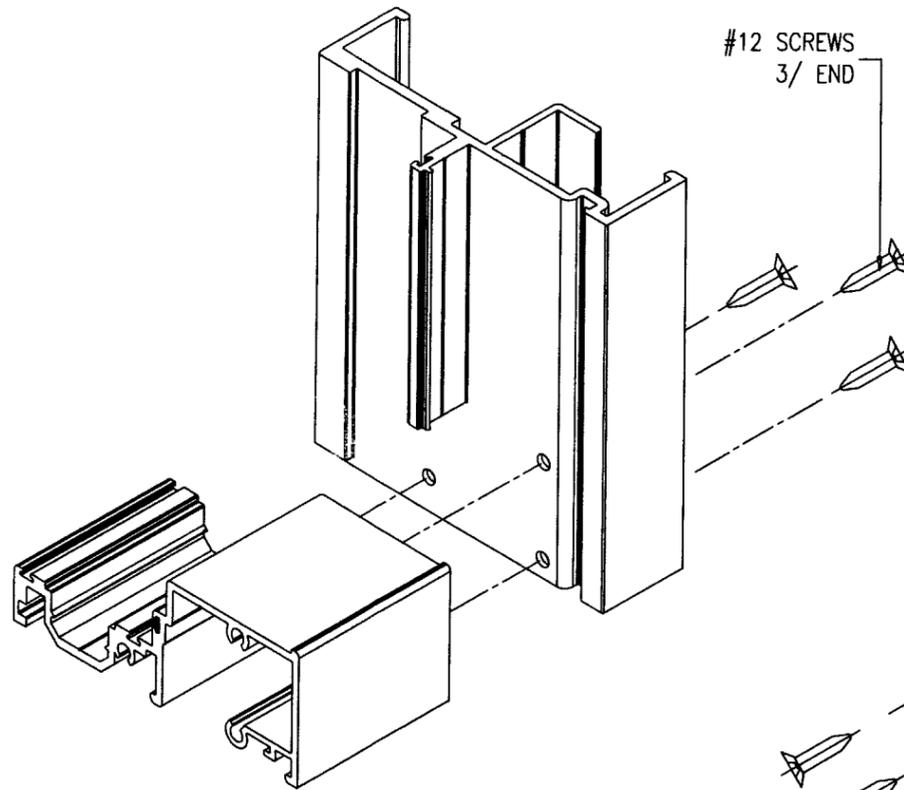


**HEAD CORNER DETAIL**

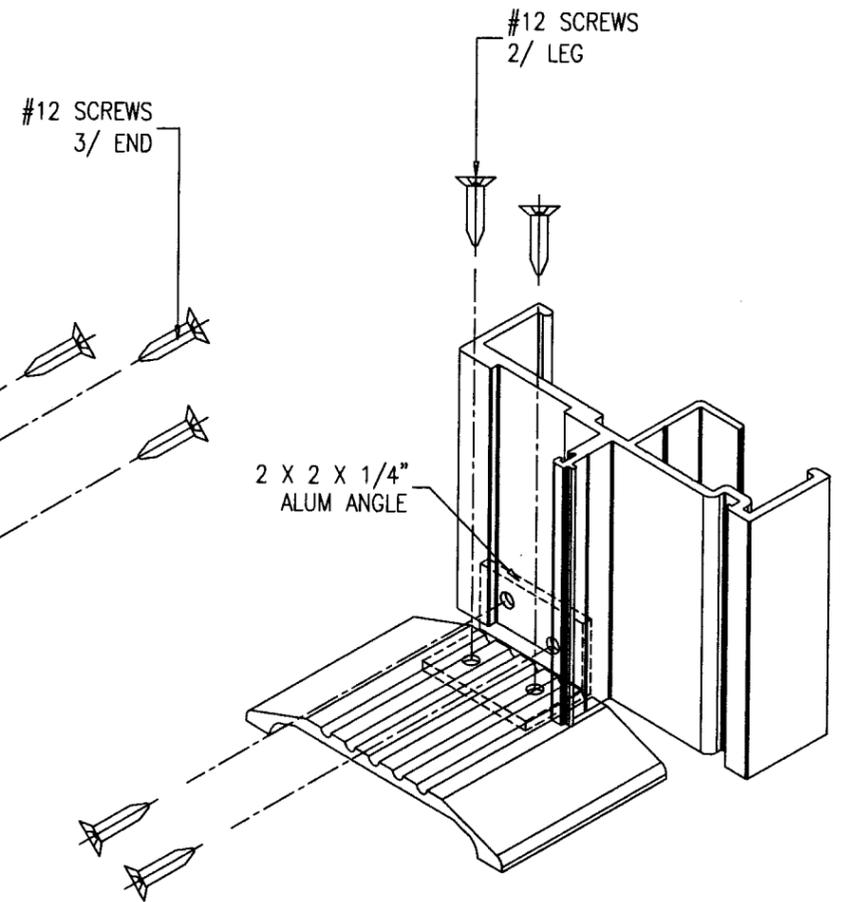
CORNERS TO BE SEALED WITH LOW MODULUS SILICONE SILPRUF OR EQUIVALENT.



**PANEL CORNER DETAIL**



**SILL CORNER DETAIL**



**SILL CORNER DETAIL**

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

NOV 08 2006

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chk. by:

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**W06-73**

sheet 7.1 of 7