



**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)**

**Construction Glass Industries Corp.  
7840 NW 62<sup>nd</sup> Street  
Miami, FL 33166**

**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 High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Series "450" I/O Aluminum Storefront Door w/Sidelites**

**APPROVAL DOCUMENT:** Drawing No. **W98-01**, titled "Series 450 Doors & Sidelites", sheets 1 through 7 of 7, prepared by Al Farooq Corporation, dated 10/20/97 with revision on 8/5/03, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large and Small Missile Impact**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

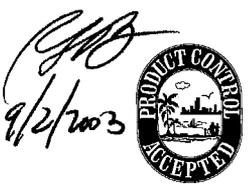
**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # **01-1109.03** and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Theodore Berman, P.E.**



**NOA No 03-0422.02  
Expiration Date: November 09, 2006  
Approval Date: September 25, 2003**

**Construction Glass Industries Corp.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **W98-01**, titled "Series 450 Doors & Sidelites", sheets 1 through 7 of 7, prepared by Al Farooq Corporation, dated 10/20/97 with revision on 8/5/03, signed and sealed by Humayoun Farooq, P.E.

**B. TESTS**

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a aluminum sliding glass door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL 0080-0402.02**, dated 4/1/02, signed and sealed by Vinu J. Abraham, P.E.

***Submitted under NOA# 98-0608.20***

2. 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  
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along 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 TAS 202-94, specimen #4, 5A, 5B, 5C tested per TAS 201-94 & TAS 203-94, signed and sealed by Timothy S. Marshall, P.E.

**B. CALCULATIONS**

1. Anchor and ASTM-E1300-98 Calculations, dated 4/1/03, prepared, signed and sealed by Humayoun Farooq, P.E.

***Submitted under NOA# 98-0608.20***

2. Anchor Calculations, prepared by Al-Farooq Corporation, dated 04/21/98 and revised on 10/13/98, signed and sealed by Dr. Humayoun Farooq, P.E.

  
Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 03-0422.02

Expiration Date: November 09, 2006

Approval Date: September 25, 2003

**Construction Glass Industries Corp.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. MATERIAL CERTIFICATIONS**

***Submitted under NOA# 98-0608.20***

1. Notice of acceptance No. 03-0421.02, expires 05/21/06 for "Saflex Keepsafe Maximum" by Solutia Inc.
2. Tensile Test prepared by Metallurgical, Inc., Report No. 8CM-709, dated 04/02/98, for cold roll Aluminum samples, tested per ASTM E8, signed and sealed by Frank Grate, P.E.
3. Tensile Test prepared by Metallurgical, Inc., Report No. 8CM-709, dated 10/02/98, for cold roll Aluminum samples, tested per ASTM E-8 and Spectrographic analysis per ASTM E415, signed and sealed by Frank Grate, P.E.

**D. STATEMENTS**

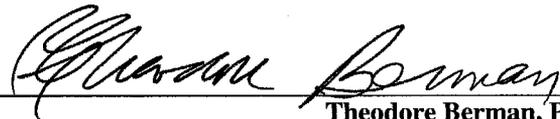
1. Statement letter of no financial interest, dated 4/1/03, signed by Humayoun Farooq, P.E.
2. Statement letter of conformance, dated 4/1/03, signed by Humayoun Farooq, P.E.
3. Laboratory compliance letter for Test Report no. **HTL 0080-0402.02**, issued by Hurricane Test Laboratory, Inc., dated 11/26/02, signed and sealed by Vinu J. Abraham, P.E.

**E. QUALITY ASSURANCE**

1. Quality Assurance provided by Miami-Dade County Building Code Compliance Office.

**F. OTHER**

1. Notice of Acceptance No. **01-1109.03**, issued to Construction Glass Industries Corp., Series "450" In / Outswing Aluminum Storefront Door w/Sidelites, approved on 12/20/01 and expiring on 11/09/06.
2. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).



**Theodore Berman, P.E.**

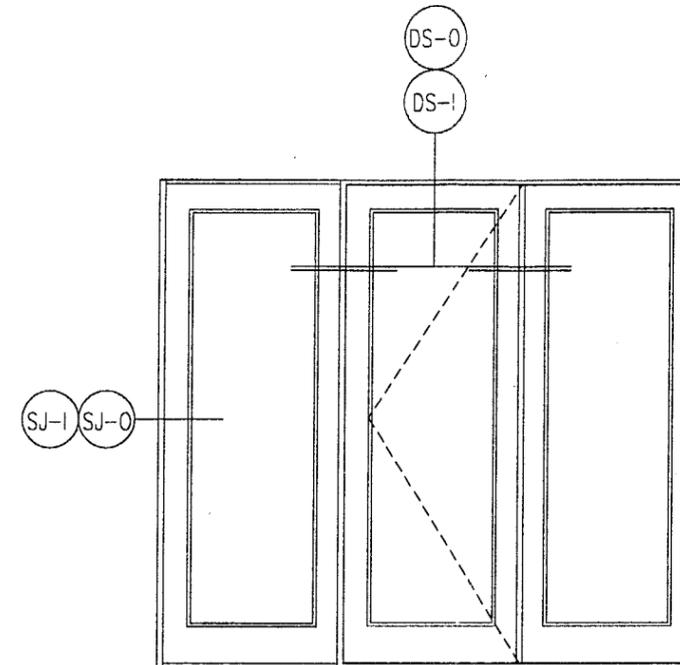
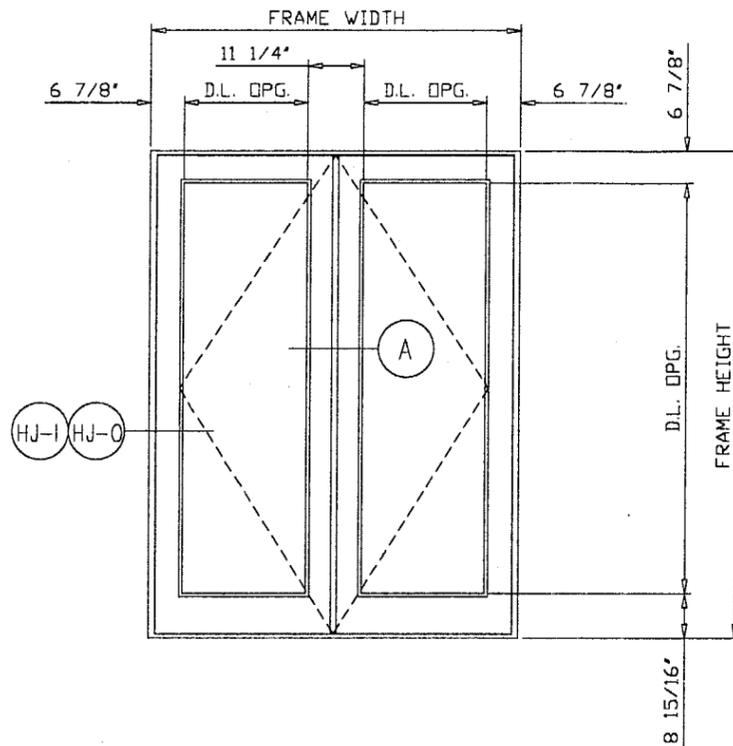
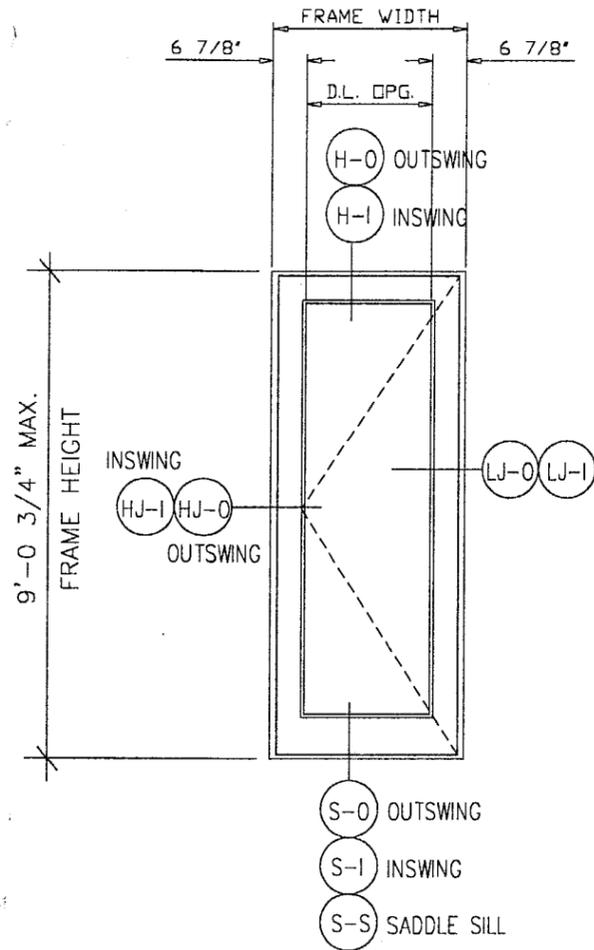
**Deputy Director, Product Control Division**

**NOA No 03-0422.02**

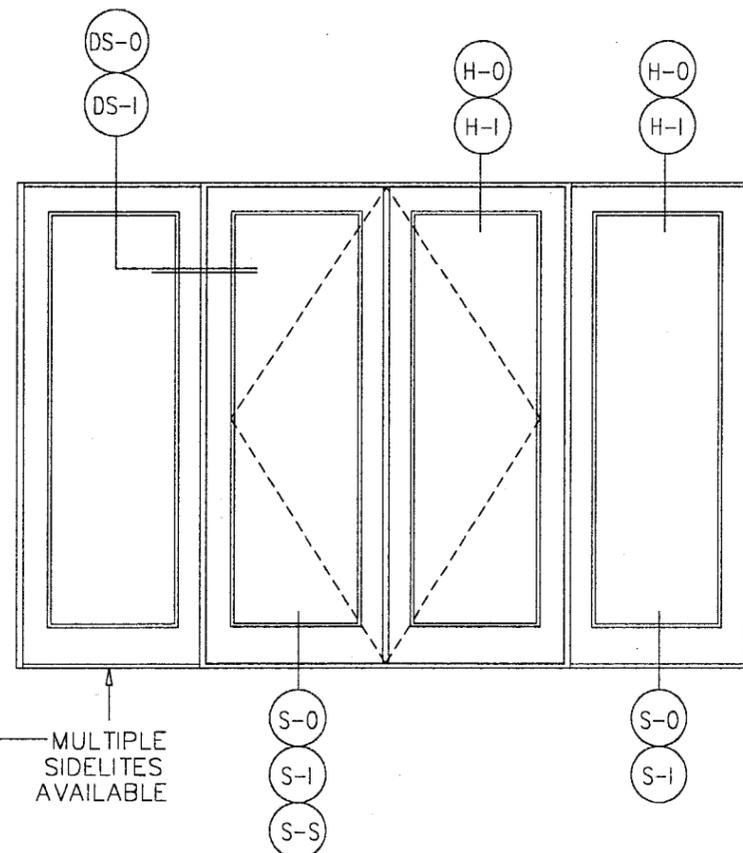
**Expiration Date: November 09, 2006**

**Approval Date: September 25, 2003**

# TYPICAL ELEVATIONS



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



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

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

**LEGEND**

- -0 — OUTSWING DOOR DETAIL
- -1 — INSWING DOOR DETAIL
- — ITEM DESCRIPTION (see sheet 2 of 7)

revisions:  
 A 11.01.01 CHART REV. PER ASTM E-1300 & 1997 NDS  
 B 11.14.02 GLASS TYPES REV.  
 C 08.05.03 INSUL. GLASS ADDED  
 NO CHANGE THIS SHEET

W98-01

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

*Handwritten signature and date:*  
 AUG 23 2003

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No 03-0422.02  
 Expiration Date 11/18/04  
 By *Handwritten signature*  
 Miami Dade Product Control  
 Division



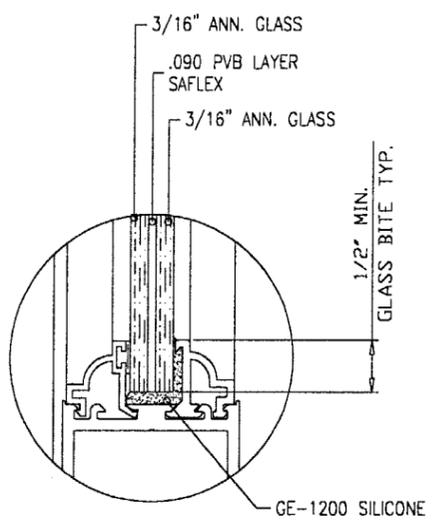
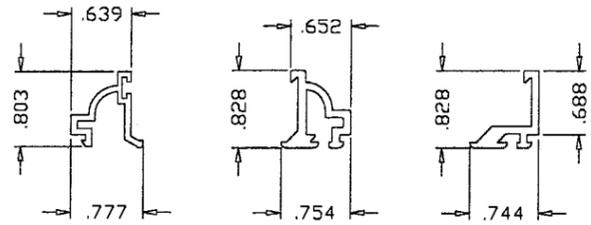
construction glass industries corporation  
 7840 northwest 62 street miami, florida 33166

product : Series 450 Doors & Sidelites

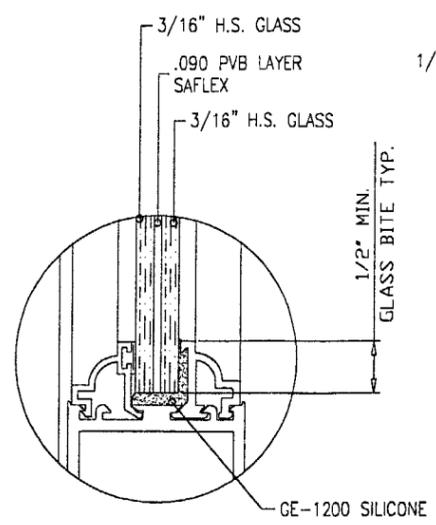
ENGINEER : Al Farooq Corporation  
 Dr. Humayoun Farooq  
 Structural -Fla. PE # 16557

date : 10-20-97 sheet 1 of 7

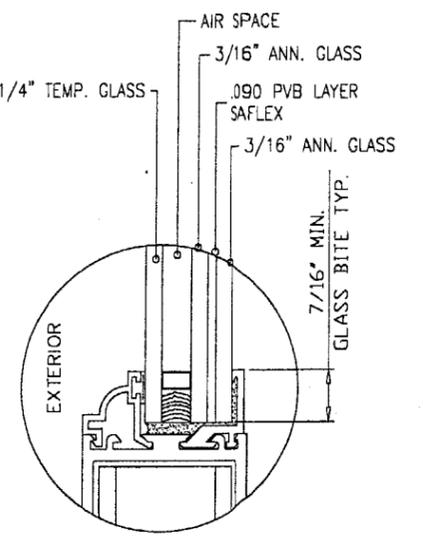
# TYPICAL ELEVATIONS



GLASS TYPE 13A

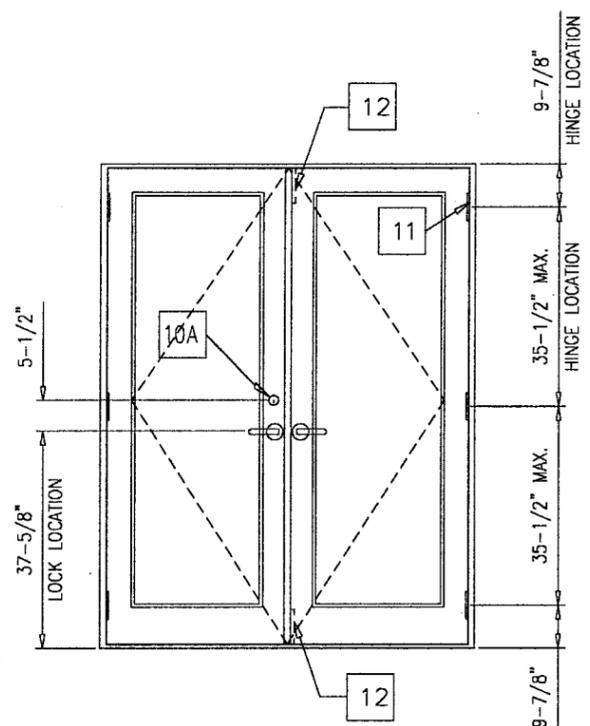
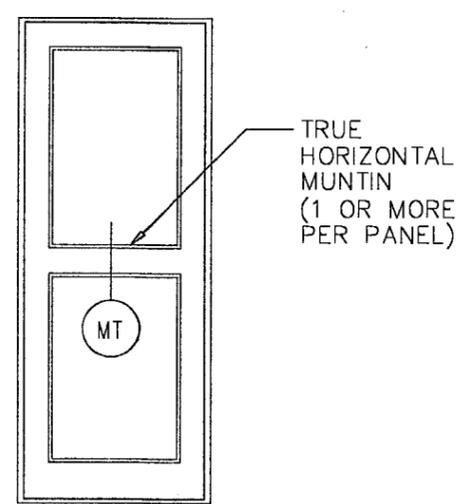


GLASS TYPE 13B

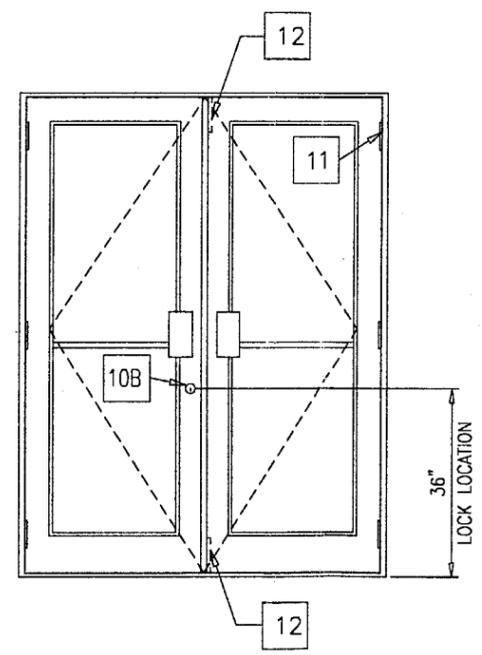


GLASS TYPE 13C

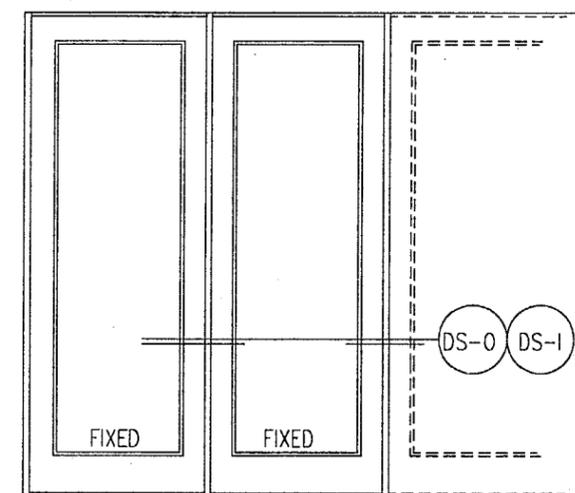
## TYPICAL GLAZING DETAILS



RESIDENTIAL HARDWARE



COMMERCIAL HARDWARE



**LEGEND**

- 0 — OUTSWING DOOR DETAIL
- 1 — INSWING DOOR DETAIL
- — ITEM DESCRIPTION (see sheet 2 of 7)

HINGE LOCATIONS		
MAX. DOOR HEIGHT	NO. REQD.	MAX. SPACING
UPTO 7'-6 3/4"	3	35 1/2"
ABOVE 7'-6 3/4"	4	30 1/2"

## HARDWARE DESCRIPTION

OPTIONAL TRUE MUNTINS  
DOOR OR SIDELITE

B 11.14.02  
C 08.05.03

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

*10/03/03*

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. **03-0422.02**  
Expiration Date **11/09/06**  
By *Sharan Kerman*  
Mintel Dade Product Control  
Division

**CGI CORPORATION**  
construction glass industries corporation  
7840 northwest 62 street miami, florida 33166

product : Series 450 Doors & Sidelites

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

date : 10-20-97 sheet 1A of 7

W98-01

# 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 (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

W98-01

B 11.14.02  
C 08.05.03

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

*Aug 13 2003*

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. **03-0422.02**  
Expiration Date **11/09/06**  
By *Glenn A. Selman*  
Miami Dade Product Control  
Division



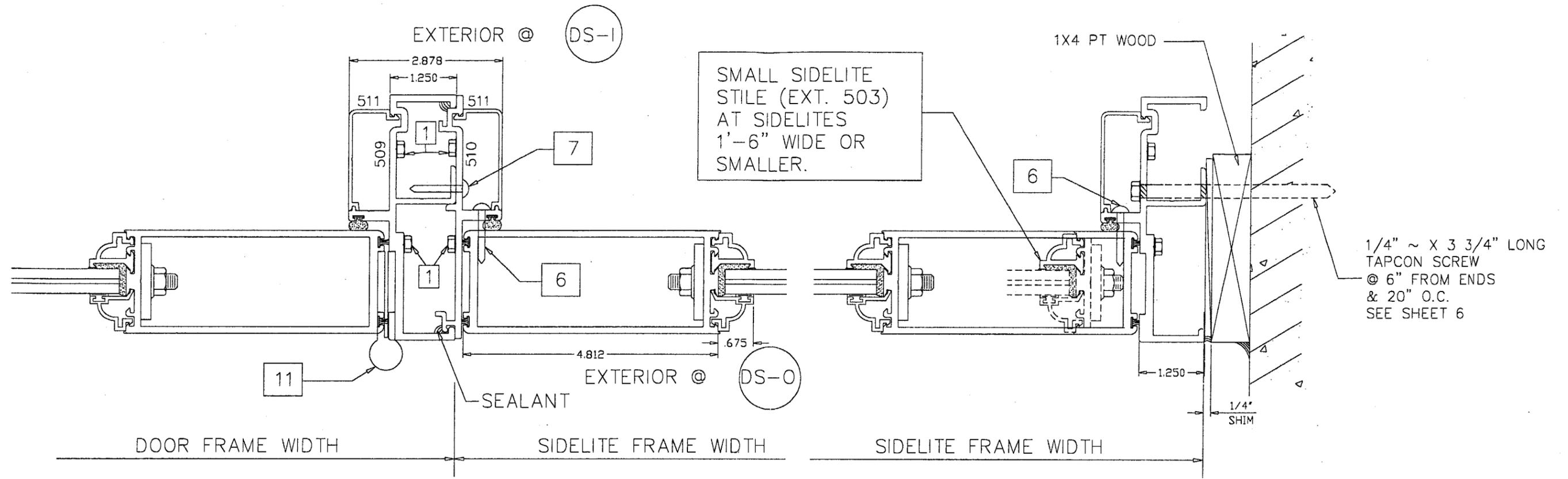
construction glass industries corporation  
7840 northwest 62 street miami, florida 33166

product : Series 450 Doors & Sidelites

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

date : 10-20-97 sheet 2 of 7





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

1/4" ~ X 3 3/4" LONG TAPCON SCREW @ 6" FROM ENDS & 20" O.C. SEE SHEET 6

11

EXTERIOR @ DS-0

DOOR FRAME WIDTH

SIDELITE FRAME WIDTH

SIDELITE FRAME WIDTH

DS-0

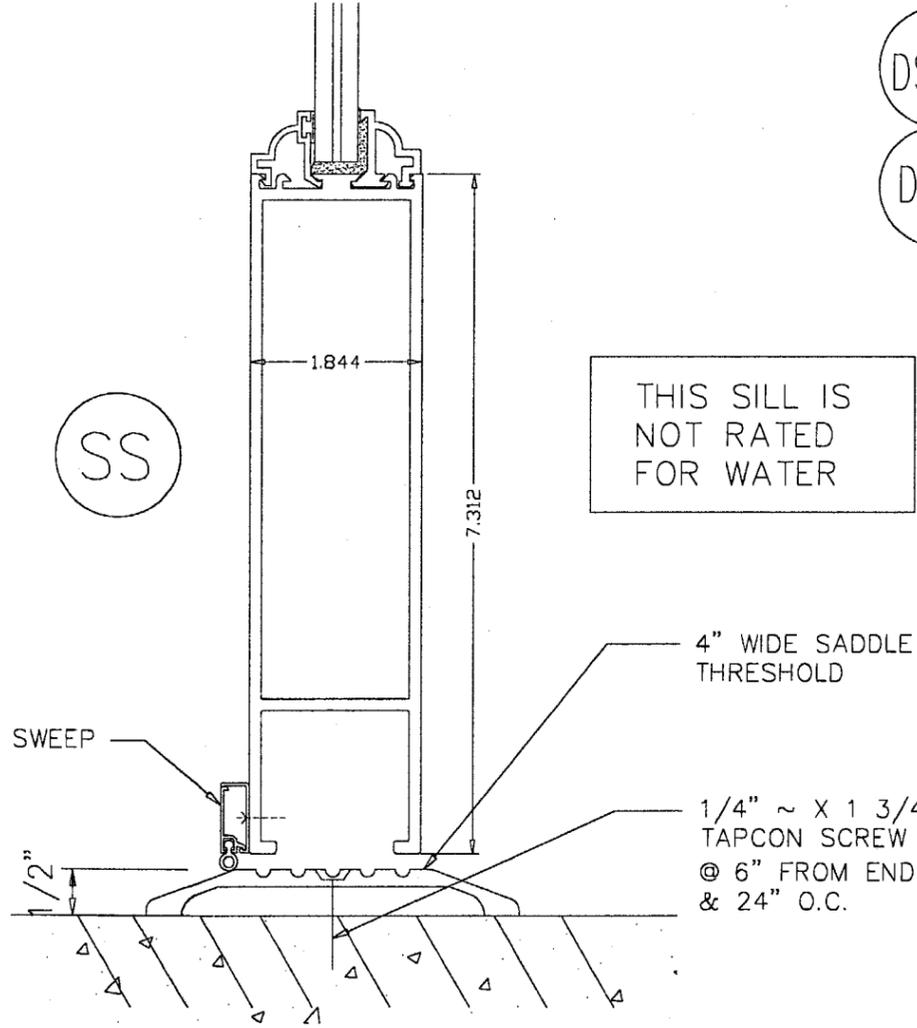
DS-1

SJ-0

REFER TO SHEET 2 OF 7 FOR TYPICAL BILL OF MATERIAL

SS

THIS SILL IS NOT RATED FOR WATER



4" WIDE SADDLE THRESHOLD

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

SWEEP

W98-01

B 11.14.02  
C 08.05.03

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

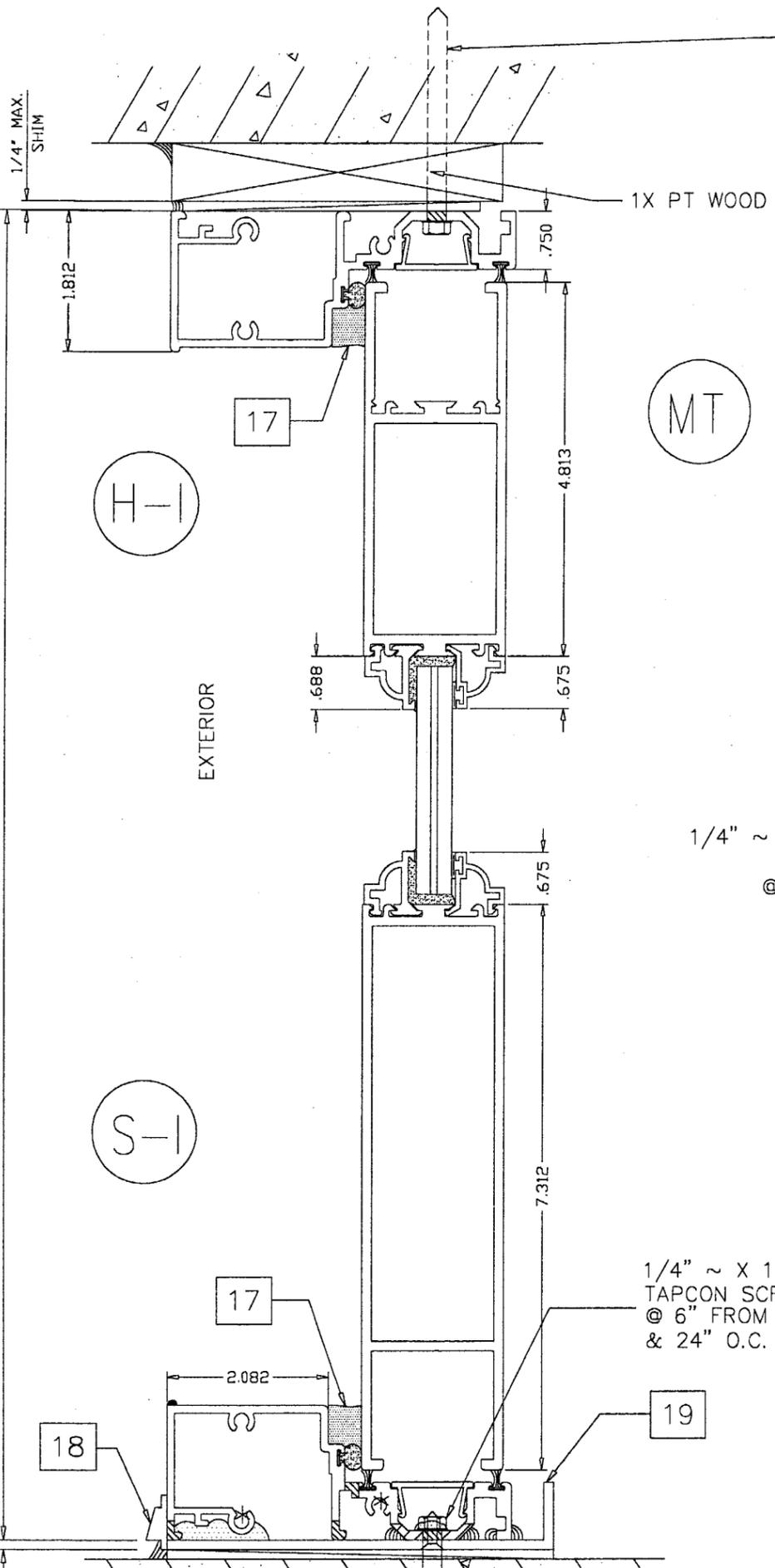
MADE 03 2003

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No. 03-0422.02  
Expiration Date 11/09/06  
By: *Charles Bernier*  
Miami Dade Product Control Division

 <b>CGI CORPORATION</b> construction glass industries corporation 7840 northwest 62 street miami, florida 33166	
product :	Series 450 Doors & Sidelites
ENGINEER :	Al Farooq Corporation Dr. Humayoun Farooq Structural -Fla. PE # 16557
date :	10-20-97
sheet	4 of 7

FRAME HEIGHT

1/8"

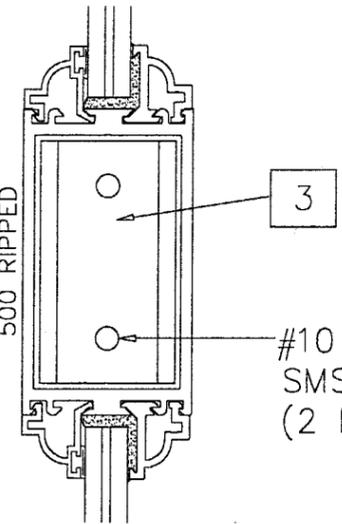


H-I

S-I

MT

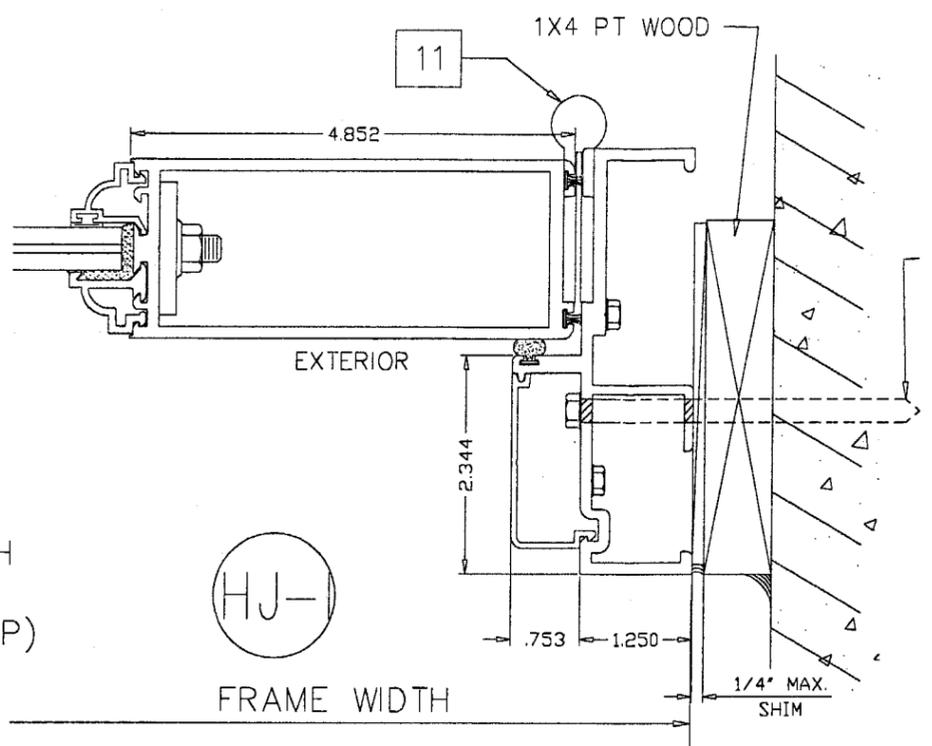
1/4" ~ X 2 3/4" LONG  
TAPCON SCREW  
@ 6" FROM ENDS  
& 24" O.C.  
SEE SHEET 6



#10 X 1" PH-PH  
SMS S/S  
(2 PER [3] CLIP)

1/4" ~ X 3 3/4" LONG  
TAPCON SCREW  
@ 6" FROM ENDS  
& 20" O.C.  
SEE SHEET 6

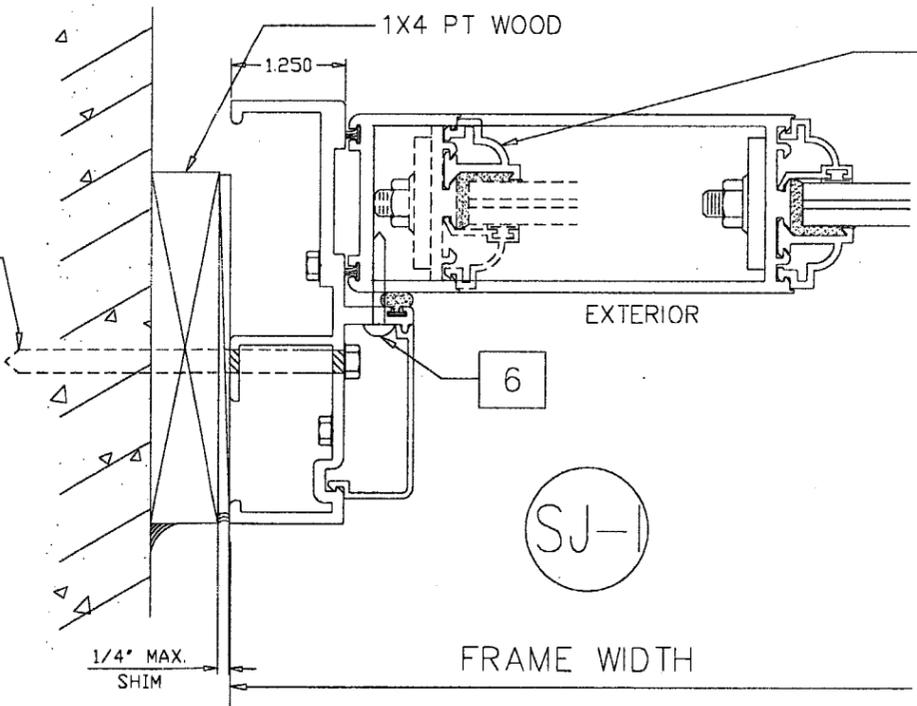
1/4" ~ X 1 3/4" LONG  
TAPCON SCREW  
@ 6" FROM ENDS  
& 24" O.C.



HJ-

FRAME WIDTH

1/4" ~ X 3 3/4" LONG  
TAPCON SCREW  
@ 6" FROM ENDS  
& 20" O.C.  
SEE SHEET 6



SJ-I

FRAME WIDTH

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

REFER TO SHEET 2 OF 7 FOR  
TYPICAL BILL OF MATERIAL

W98-01

C 08.05.03 NO CHANGE THIS SHEET

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

AUG 9 3 2003

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 03-0422.02  
Expiration Date 11/09/06  
By *Charles DeMa*  
Miami Dade Product Control  
Division



construction glass industries corporation  
7840 northwest 62 street miami, florida 33166

product :	Series 450 Doors & Sidelites
ENGINEER :	Al Farooq Corporation Dr. Humayoun Farooq Structural -Fla. PE # 16557
date :	10-20-97
sheet	5 of 7

PANEL PERFORMANCE CHART FOR DOORS AND SIDELITES

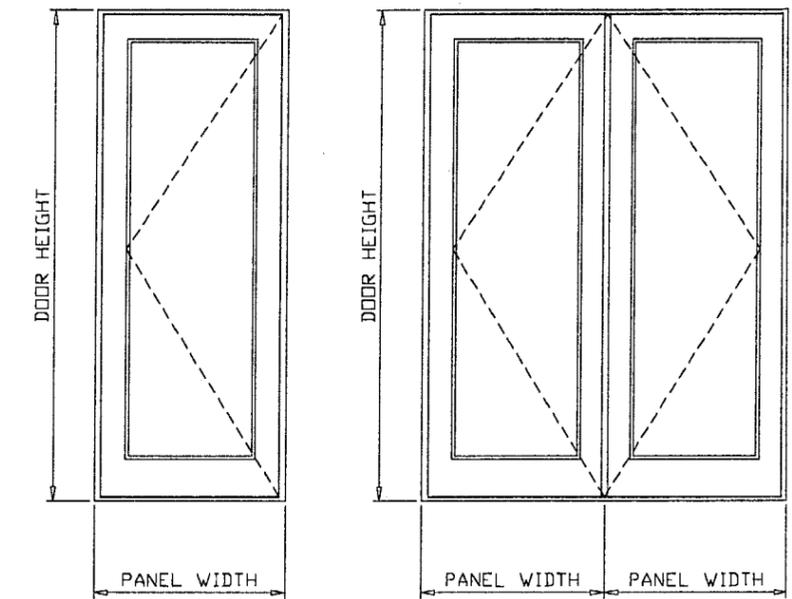
NOMINAL DIMS.		OUT-SWING/IN-SWING DOORS				IN-SWING DOORS			
		DESIGN LOAD CAPACTY-PSF				DESIGN LOAD CAPACTY-PSF			
		ANN. LAM. GLASS (TYPE 13A)		H.S. LAM. GLASS (TYPE 13B)		ANN. LAM. GLASS (TYPE 13A)		H.S. LAM. GLASS (TYPE 13B)	
PANEL WIDTH	PANEL HEIGHT	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.
2/0	6/8	100.0	100.0	100.0	110.0	50.0	100.0	50.0	110.0
2/6		100.0	100.0	100.0	110.0	50.0	100.0	50.0	110.0
3/0		100.0	100.0	100.0	110.0	50.0	100.0	50.0	110.0
3/6		87.1	87.1	100.0	110.0	50.0	87.1	50.0	110.0
2/0	7/0	100.0	100.0	100.0	110.0	50.0	100.0	50.0	110.0
2/6		100.0	100.0	100.0	110.0	50.0	100.0	50.0	110.0
3/0		100.0	100.0	100.0	110.0	50.0	100.0	50.0	110.0
3/6		82.6	82.6	100.0	110.0	50.0	82.6	50.0	110.0
2/0	7/6	100.0	100.0	100.0	110.0	50.0	100.0	50.0	110.0
2/6		100.0	100.0	100.0	110.0	50.0	100.0	50.0	110.0
3/0		100.0	100.0	100.0	110.0	50.0	100.0	50.0	110.0
3/6		76.8	76.8	100.0	102.9	50.0	76.8	50.0	102.9
2/0	8/0	100.0	100.0	100.0	110.0	50.0	100.0	50.0	110.0
2/6		100.0	100.0	100.0	110.0	50.0	100.0	50.0	110.0
3/0		100.0	100.0	100.0	110.0	50.0	100.0	50.0	110.0
2/0	9/0	100.0	100.0	100.0	110.0	50.0	100.0	50.0	110.0
2/6		100.0	100.0	100.0	110.0	50.0	100.0	50.0	110.0
3/0		100.0	100.0	100.0	100.0	50.0	100.0	50.0	100.0

LOADS SHOWN ABOVE ARE FOR DOORS USING THRESHOLD (S-S) OR (S-I) WHERE WATER INFILTRATION REQUIREMENTS ARE NOT APPLICABLE AND FOR THRESHOLD (S-O) IN ANY CONDITION.

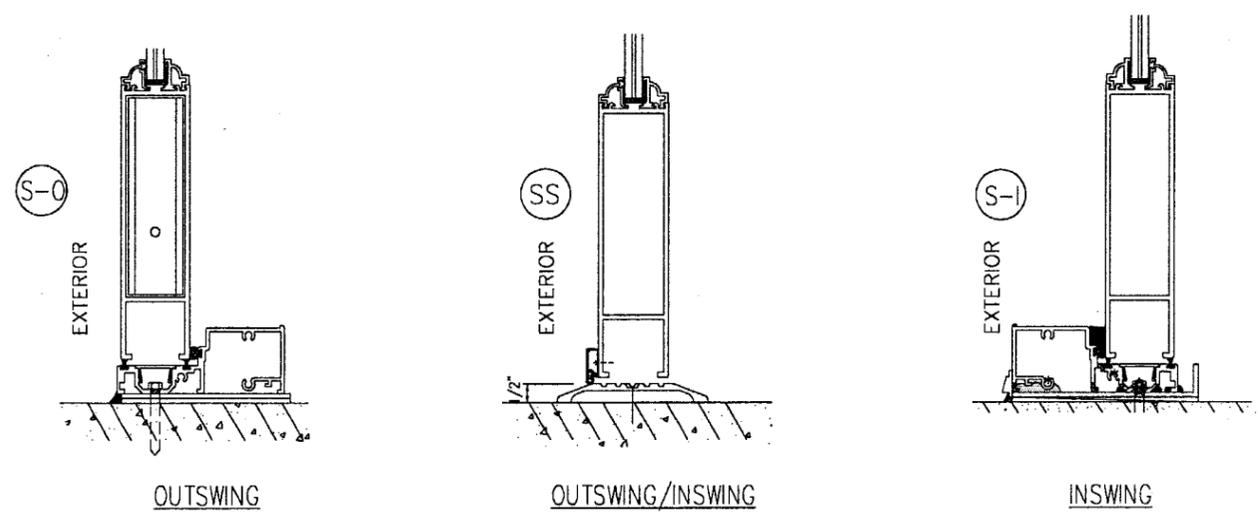
LOADS SHOWN ABOVE ARE FOR DOORS USING THRESHOLD (S-I) WHERE WATER INFILTRATION REQUIREMENTS MUST BE MET.

LAMINATED GLASS

(FOR INSULATED LAMINATED GLASS REFER TO SHEET 6A OF 7)



CHARTS AT LEFT 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 2001 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.

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

AUG 3 2003

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 03-0422.02  
Expiration Date 11/09/06  
By *Chanda Berman*  
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  
COMP-ANL\W98-01CC

SERIES 450 DOOR AND SIDELITE  
CONSTRUCTION GLASS INDUSTRIES  
7840 N.W. 62 ST.  
MIAMI, FL. 33166  
(305) 593 - 6590

NO.	DATE	DESCRIPTION
A	11.01.01	CHART REV. PER ASTM E-1300
B	11.14.02	CLASS TYPES REV.
C	08.05.03	NO CHANGE THIS SHEET

revisions:

date: 01-02-98  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
W98-01  
sheet 6 of 7

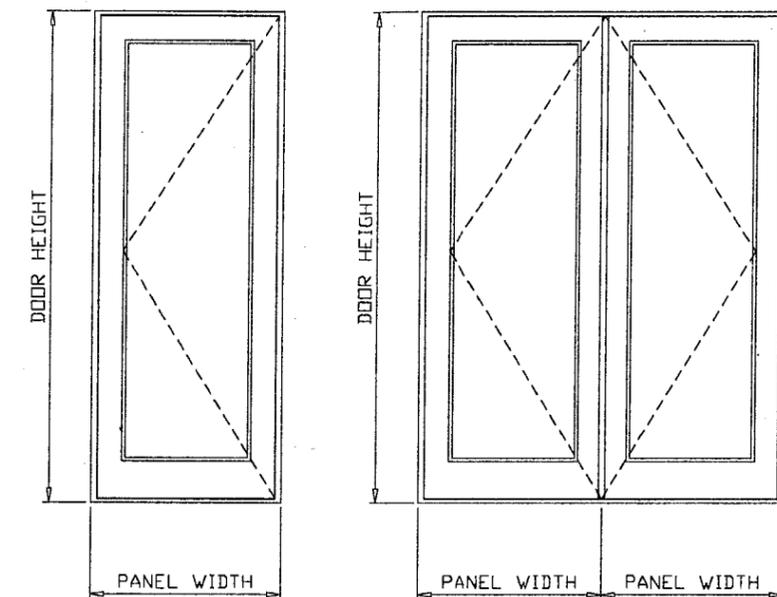
PANEL PERFORMANCE CHART FOR DOORS AND SIDELITES					
NOMINAL DIMS.		OUT-SWING/IN-SWING DOORS		IN-SWING DOORS	
		DESIGN LOAD CAPACITY-PSF		DESIGN LOAD CAPACITY-PSF	
PANEL WIDTH	PANEL HEIGHT	INSUL. ANN. LAM. GLASS (TYPE 13C)		INSUL. ANN. LAM. GLASS (TYPE 13C)	
		EXT.	INT.	EXT.	INT.
2/0	6/8	80.0	80.0	50.0	80.0
2/6		80.0	80.0	50.0	80.0
3/0		80.0	80.0	50.0	80.0
3/6		80.0	80.0	50.0	80.0
2/0	7/0	80.0	80.0	50.0	80.0
2/6		80.0	80.0	50.0	80.0
3/0		80.0	80.0	50.0	80.0
2/0	7/6	80.0	80.0	50.0	80.0
2/6		80.0	80.0	50.0	80.0
3/0		80.0	80.0	50.0	80.0
2/0	8/0	80.0	80.0	50.0	80.0
2/6		80.0	80.0	50.0	80.0
3/0		80.0	80.0	50.0	80.0

LOADS SHOWN ABOVE ARE FOR DOORS USING THRESHOLD (S-S) OR (S-I) WHERE WATER INFILTRATION REQUIREMENTS ARE NOT APPLICABLE AND FOR THRESHOLD (S-O) IN ANY CONDITION.

LOADS SHOWN ABOVE ARE FOR DOORS USING THRESHOLD (S-I) WHERE WATER INFILTRATION REQUIREMENTS MUST BE MET.

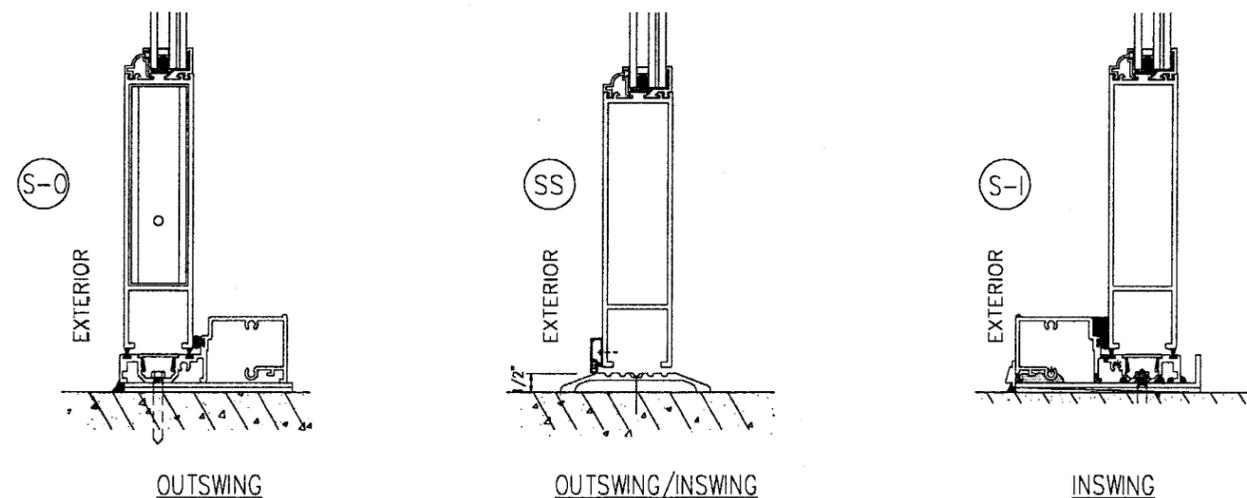
### INSULATED LAMINATED GLASS

(FOR LAMINATED GLASS REFER TO SHEET 6 OF 7)



CHARTS AT LEFT 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 2001 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.

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

DATE 03 2003

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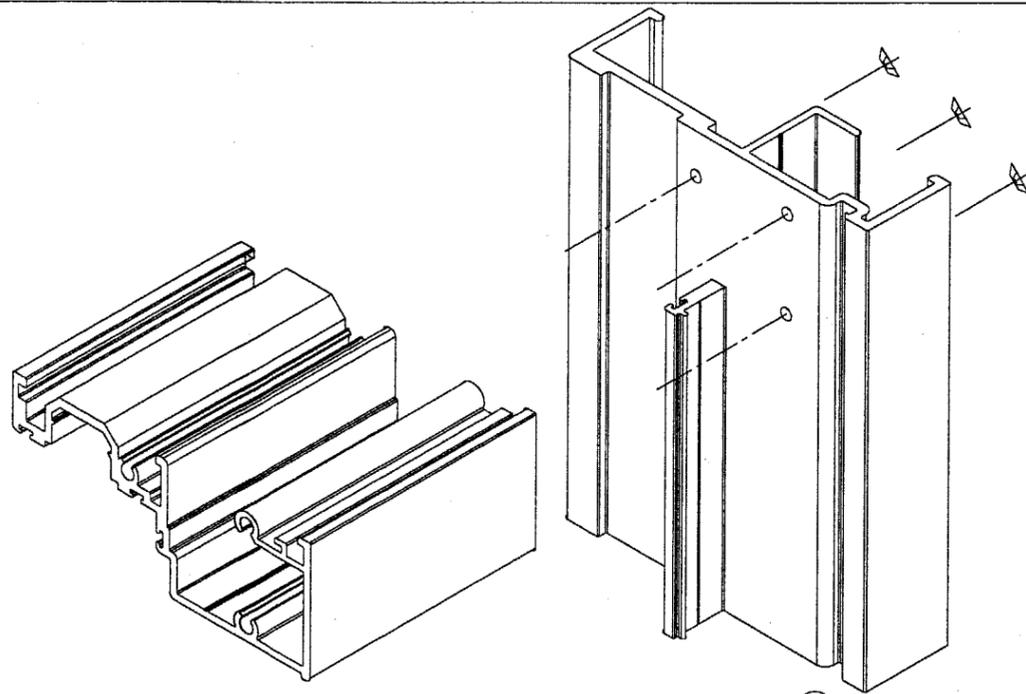
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CONSTRUCTION GLASS INDUSTRIES  
7840 N.W. 62 ST.  
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(305) 593 - 6590

no	date	description
B	11.14.02	NEW SHEET W/ INSUL. GLASS
C	08.05.03	DOOR SIZES REMOVED

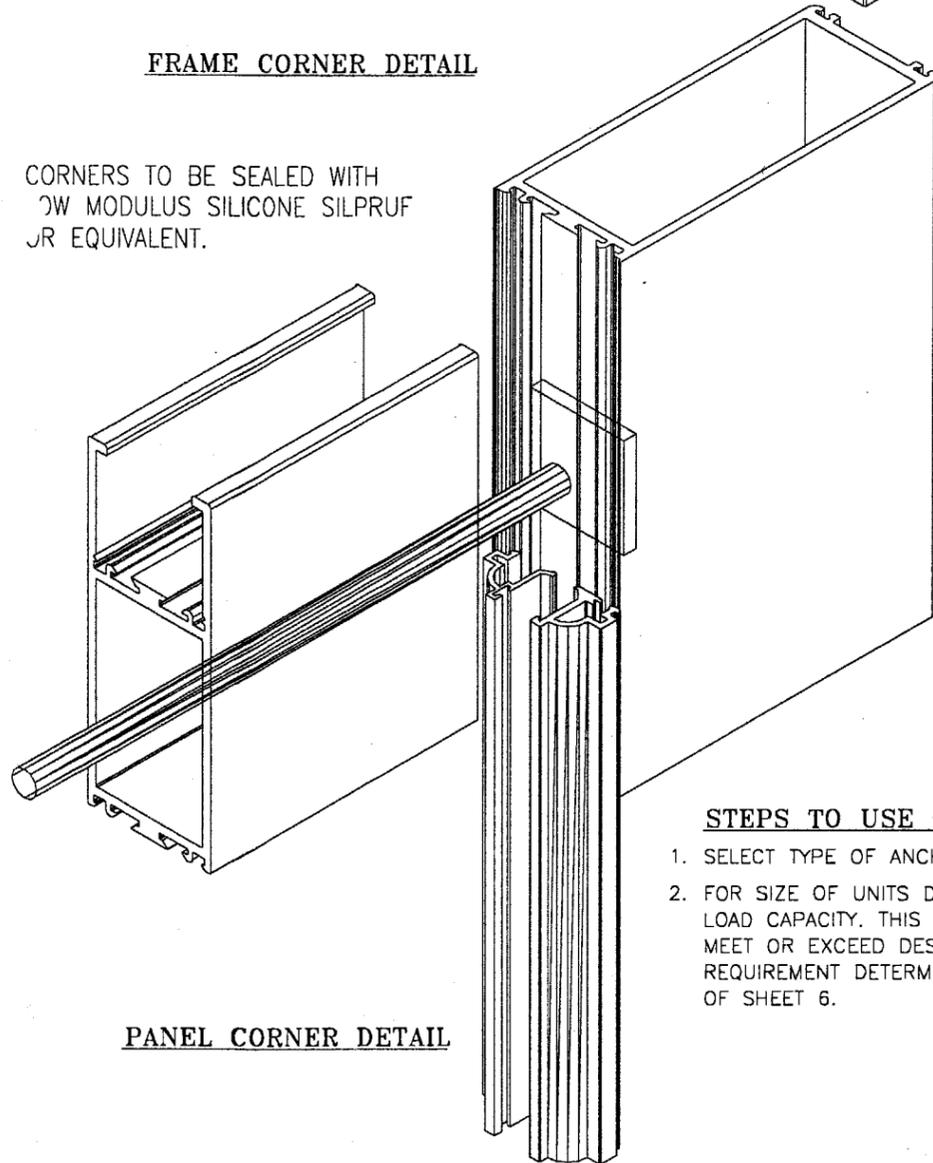
date: 01-02-98  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
W98-01  
sheet 6A of 7



FRAME CORNER DETAIL

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



PANEL CORNER DETAIL

**STEPS TO USE CHARTS:**

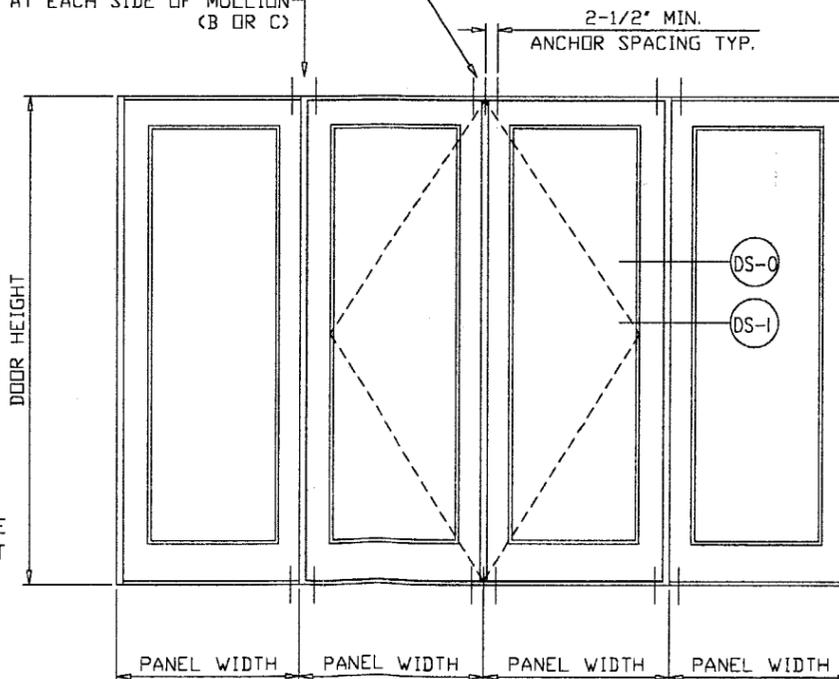
1. SELECT TYPE OF ANCHOR.
2. FOR SIZE OF UNITS DETERMINE ALLOWABLE LOAD CAPACITY. THIS LOAD CAPACITY MUST MEET OR EXCEED DESIGN WIND LOAD REQUIREMENT DETERMINE IN STEP 1 OF SHEET 6.

MTG. STILE 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	CLUSTER OF 4 ANCHORS
2/0	6/8	82.8	110.0	110.0	110.0	110.0
2/6		66.2	110.0	110.0	110.0	110.0
3/0		55.2	110.0	110.0	110.0	110.0
3/6		47.3	94.6	110.0	105.6	110.0
2/0	7/0	78.9	110.0	110.0	110.0	110.0
2/6		63.1	110.0	110.0	110.0	110.0
3/0		52.6	105.1	110.0	110.0	110.0
3/6		45.1	90.1	110.0	100.6	110.0
2/0	7/6	73.6	110.0	110.0	110.0	110.0
2/6		58.9	110.0	110.0	110.0	110.0
3/0		49.1	98.1	110.0	109.5	110.0
3/6		42.1	84.1	110.0	93.9	110.0
2/0	8/0	69.0	110.0	110.0	110.0	110.0
2/6		55.2	110.0	110.0	110.0	110.0
3/0		46.0	92.0	110.0	102.7	110.0
2/0	9/0	61.3	110.0	110.0	110.0	110.0
2/6		49.1	98.1	110.0	109.5	110.0
3/0		40.9	81.8	110.0	91.3	110.0

MTG. STILE ANCHORS AT DOUBLE DOORS				
NOMINAL DIMS.		DESIGN LOAD CAPACITY-PSF		
PANEL WIDTH	PANEL HEIGHT	TYPE 'B'	TYPE 'B'	TYPE 'C'
		CLUSTER OF 4 ANCHORS	CLUSTER OF 5 ANCHORS	CLUSTER OF 3 ANCHORS
2/0	6/8	110.0	110.0	110.0
2/6		110.0	110.0	110.0
3/0		110.0	110.0	110.0
3/6		96.6	110.0	110.0
2/0	7/0	110.0	110.0	110.0
2/6		110.0	110.0	110.0
3/0		107.3	110.0	110.0
3/6		91.9	110.0	110.0
2/0	7/6	110.0	110.0	110.0
2/6		110.0	110.0	110.0
3/0		100.1	110.0	110.0
3/6		85.7	107.1	110.0
2/0	8/0	110.0	110.0	110.0
2/6		110.0	110.0	110.0
3/0		93.7	110.0	110.0
2/0	9/0	110.0	110.0	110.0
2/6		100.0	110.0	110.0
3/0		83.2	104.0	100.0

MTG. STILE ANCHORS AT SIDELITE (1, 2 OR 3) AT EACH SIDE OF MULLION (B OR C)

MTG. STILE ANCHORS @ DOUBLE DOOR 3,4 OR 5 ANCHORS (B OR C)



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

**ANCHORS:**

- TYPE 'B'- 1/4" TAPCONS INTO WOOD STRUCTURE 1-3/4" MIN. WOOD PENETRATION THRU WOOD BUCKS INTO MASONRY 1-1/4" MIN. MASONRY EMBED.
- TYPE 'C'- 1/4" TAPCONS, DIRECTLY TO MASONRY (NO BUCKS) 1-1/4" MIN. MASONRY EMBEDMENT

TAPCONS AS MANUFACTURED BY ELCO. OR AN EQUAL HOLDING A CURRENT NOA.

JAMB ANCHORS CAPACITY - PSF		
PANEL WIDTH	TYPE 'B'	TYPE 'C'
24"	110.0	110.0
30"	110.0	110.0
36"	110.0	110.0
42"	94.6	110.0

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

AUG 13 2003

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 03-0422.02 Expiration Date 11/09/06

By: *Shirvan Kama* Miami Dade Product Control Division

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no	date	description
A	11.01.01	CHARTS REV. PER 1997 NDS
C	08.05.03	NO CHANGE THIS SHEET

revisions:

date: 01-02-98  
 scale: 1/2" = 1"  
 dr. by: HAMID  
 clk. by:

drawing no. W98-01  
 sheet 7 of 7