



**BUILDING CODE COMPLIANCE OFFICE**  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

**CONTRACTOR LICENSING SECTION**  
(305) 375-2527 FAX (305) 375-2558

**CONTRACTOR ENFORCEMENT DIVISION**  
(305) 375-2966 FAX (305) 375-2908

**PRODUCT CONTROL DIVISION**  
(305) 375-2902 FAX (305) 372-6339

**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**Construction Glass Industries Corporation**  
7840 N.W. 62nd Street  
Miami, FL 33166

Your application for Notice of Acceptance (NOA) of:

**Series 450 In/Out Swing Aluminum Storefront Door w/Sidelites**

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

**ACCEPTANCE NO.: 01-1109.03**  
**EXPIRES: 11/09/2006**

Raul Rodriguez  
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL  
CONDITIONS  
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.  
Director  
Miami-Dade County  
Building Code Compliance Office

**APPROVED: 12/20/2001**

APPROVED: December 20, 2001

EXPIRES: November 19, 2006

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

1.1 This revises and renews Notice of Acceptance (NOA) No. **98-0608.20**, which was issued on November 19, 1998. It revises and renews the approval of an aluminum storefront door, as described in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

**2. PRODUCT DESCRIPTION**

2.1 The Series **"450" In / Outswing Aluminum Storefront Door w/Sidelites –Impact Resistant** and its components shall be constructed in strict compliance with the following document: Drawing No **W98-01**, Sheets 1 through 7 of 7, titled "Series 450 Doors and Sidelites," prepared by Al Farooq Corporation, dated 10/20/97 and revised on 11/1/01, signed and sealed by Dr. Humayoun Farooq, P.E, bearing the Miami-Dade County Product Control approval stamp with the NOA number and approval date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

3.1 This approval applies to single unit application of pair of doors and single door with & without sidelites only, as shown in approved drawings. Single door unit shall include all components described in the active leaf of this approval.

**4. INSTALLATION**

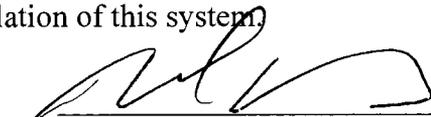
4.1 The aluminum swing doors w/sidelites and its components shall be installed in strict compliance with the approved drawings.  
4.2 Hurricane protection system (shutters): the installation of this unit **will not require** a hurricane protection system.

**5. LABELING**

5.1 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".

**6. BUILDING PERMIT REQUIREMENTS**

6.1 Application for building permit shall be accompanied by copies of the following:  
6.1.1 This Notice of Acceptance  
6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.  
6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.



Raul Rodriguez, Chief  
Product Control Division

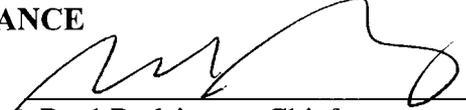
APPROVED: December 20, 2001

EXPIRES: November 19, 2006

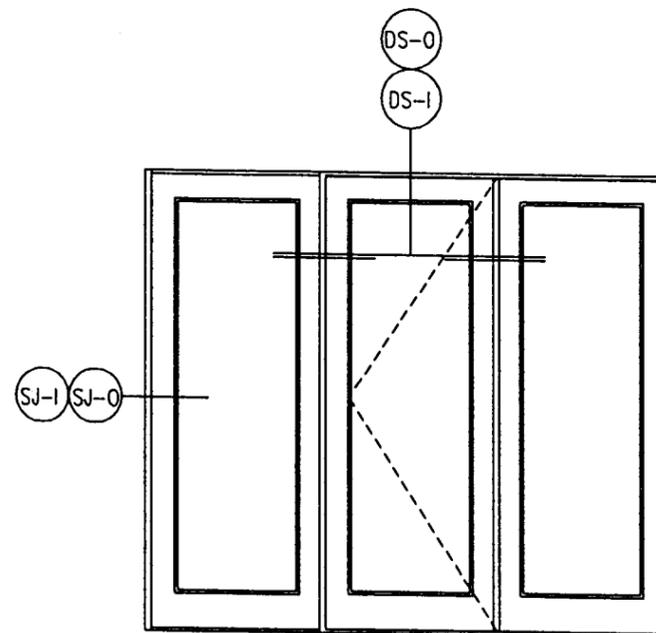
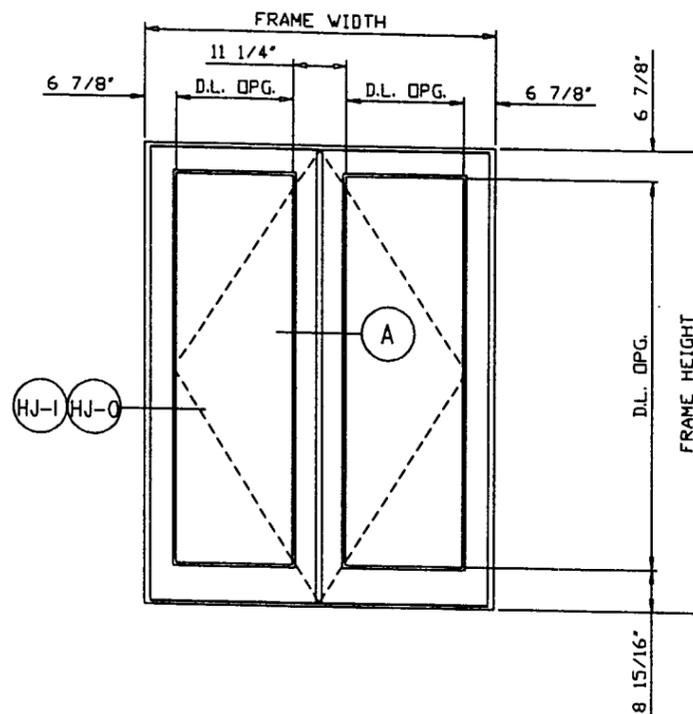
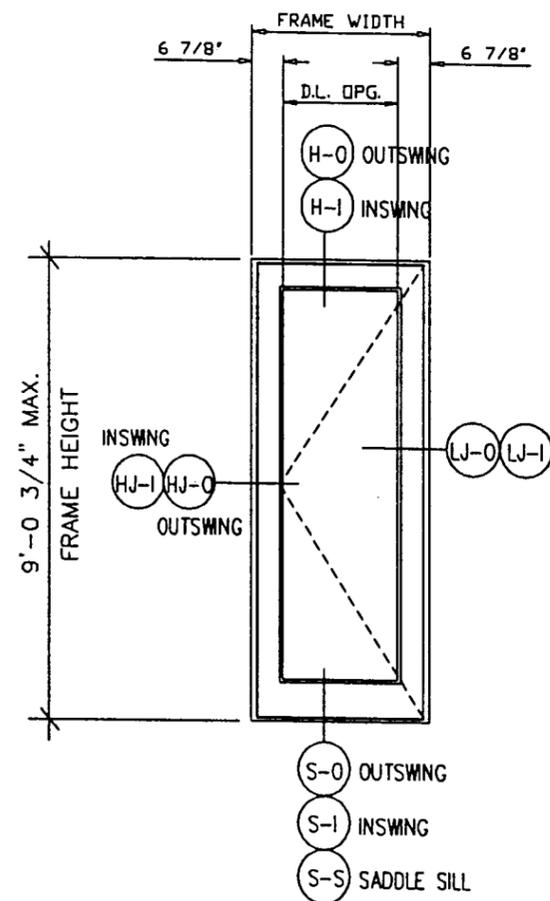
**NOTICE OF ACCEPTANCE: STANDARD CONDITIONS**

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
  - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
  - b) The product is no longer the same product (identical) as the one originally approved;
  - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
  - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
  - a) Unsatisfactory performance of this product or process.
  - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

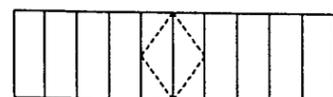
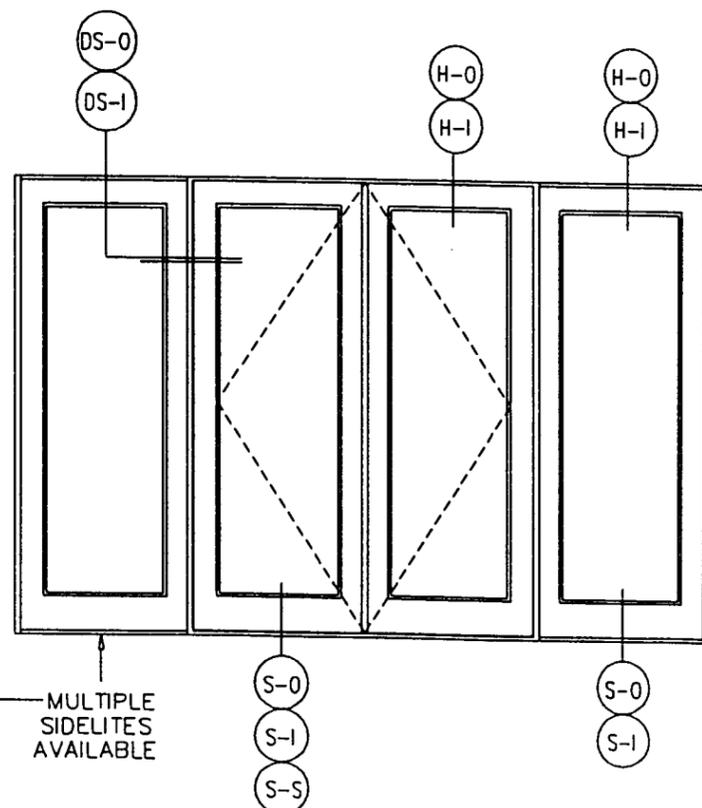
**END OF THIS ACCEPTANCE**

  
\_\_\_\_\_  
Raul Rodriguez, Chief  
Product Control Division

# TYPICAL ELEVATIONS



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"

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE December 20, 2001  
BY [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-1109.03

revisions:  
A 11.01.01

CHART REV. PER ASTM E-1300 & 1997 NDS

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

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

NOV 07 2001

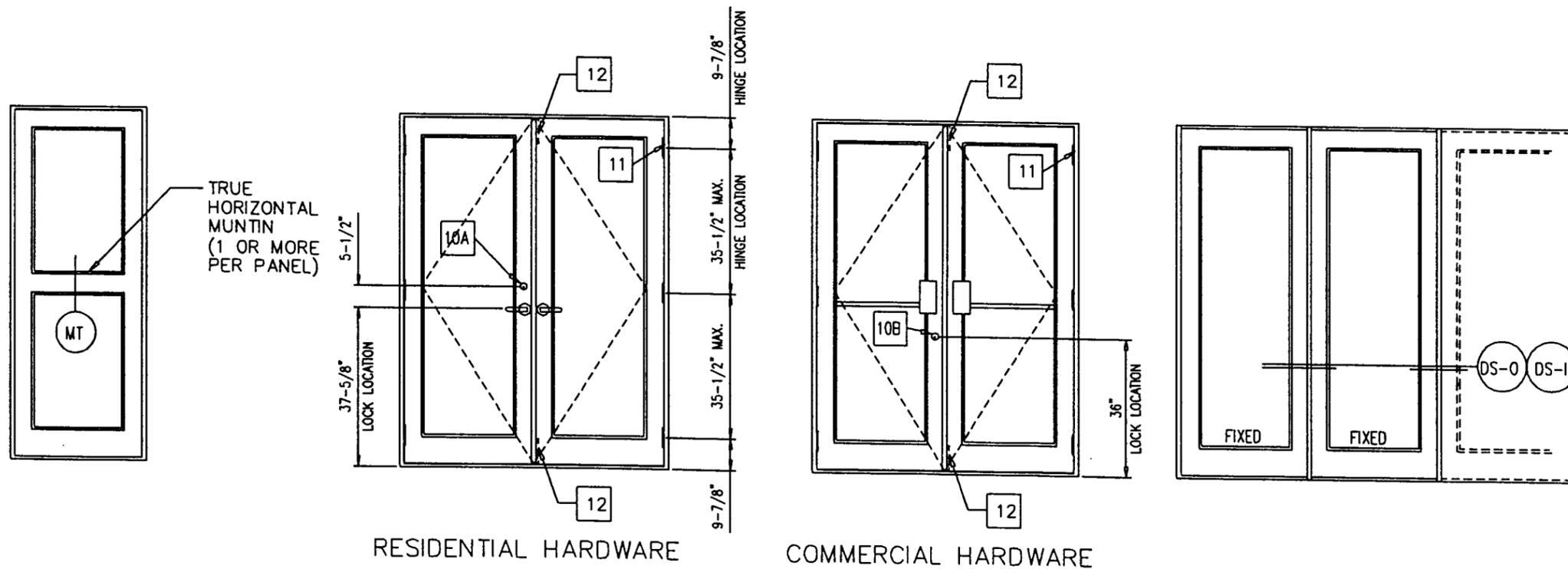
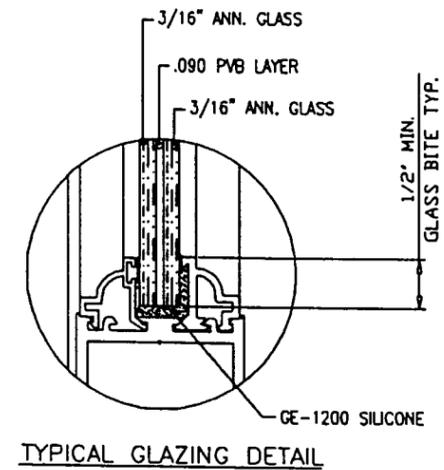


**CGI CORPORATION**  
construction glass industries corporation  
7840 northwest 62 street miami, florida 33166

product : Series 450 Doors & Sidelites	
ENGINEER : Al Faraaq Corporation Dr. Humayoun Faraaq Structural -Fla. PE # 16557	
date : 10-20-97	sheet 1 of 7

W98-01

# TYPICAL ELEVATIONS



APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE December 20, 2001  
 BY [Signature]  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 01-1109.03

**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"

OPTIONAL TRUE MUNTINS  
 DOOR OR SIDELITE

HARDWARE DESCRIPTION

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

[Signature]  
 NOV 07 2001

W98-01

**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

# 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	1/2" NOMINAL (.466 ACTUAL) LAMINATED GLASS COMPOSED OF (2) 3/16" THK. GLASS (ANNEALED OR HEAT STRENGTHENED) AND .090 THK. 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

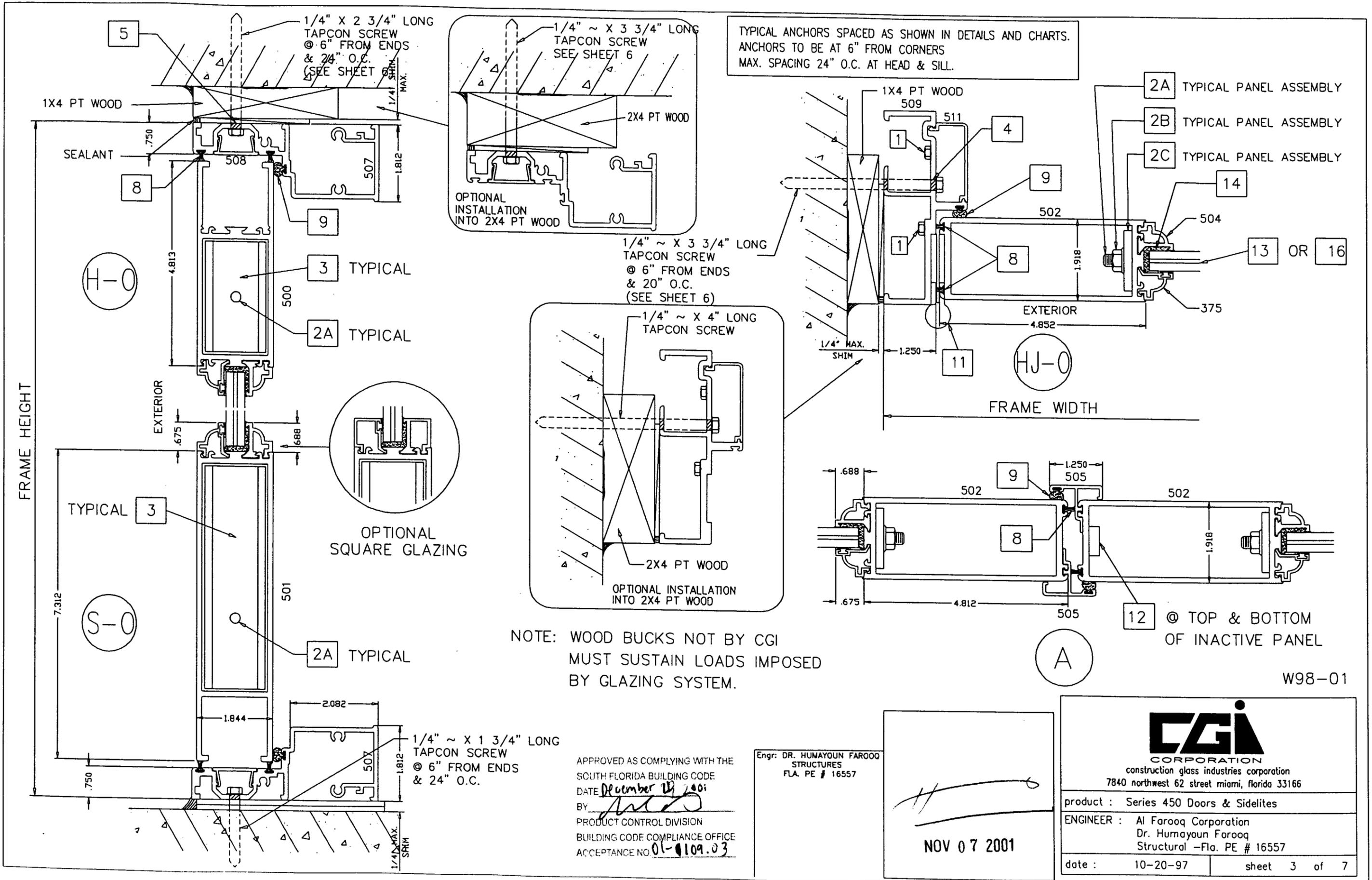
APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE December 10, 2001  
 BY [Signature]  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 01-1109.03

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

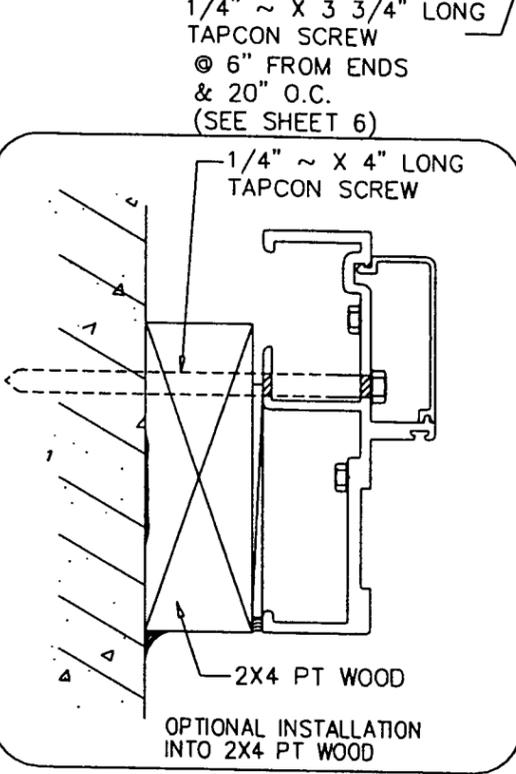
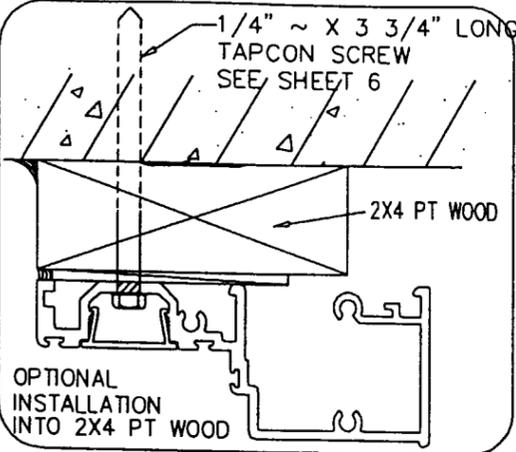
[Signature]  
 NOV 07 2001

W98-01

 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 2 of 7



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



NOTE: WOOD BUCKS NOT BY CGI MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE *December 27, 2001*  
 BY *[Signature]*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. *01-0109.03*

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

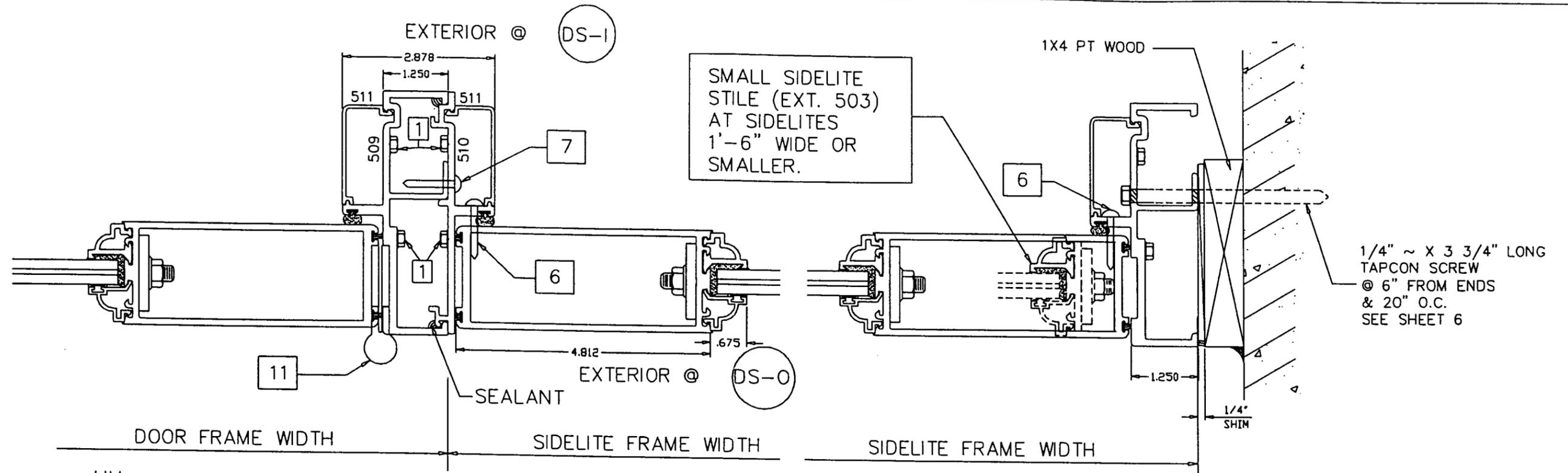
*[Signature]*  
 NOV 07 2001

**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 3 of 7

W98-01

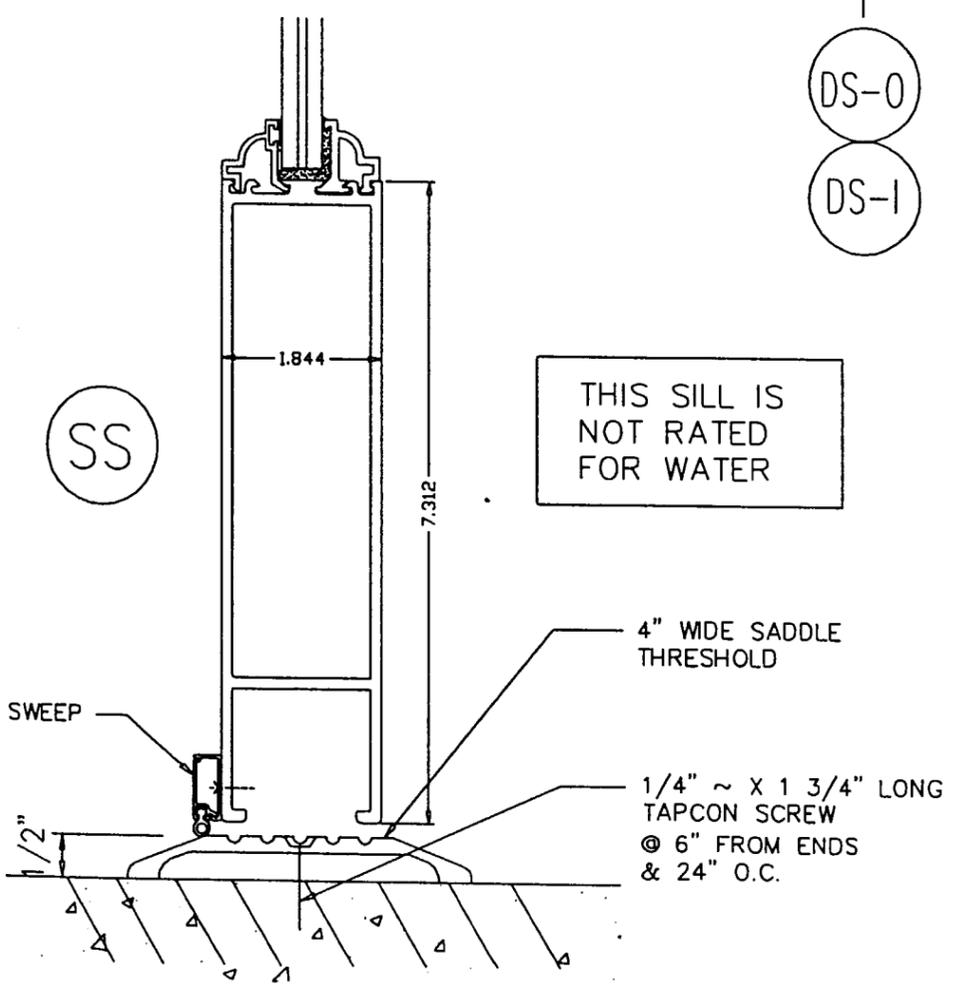


DOOR FRAME WIDTH

SIDELITE FRAME WIDTH

SIDELITE FRAME WIDTH

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



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.

GLASS OPTIONS	CALLED
3/16" ANN.+PVB+ANN.	ANN.
3/16" ANN.+PVB+H.S.	H.S.
3/16" H.S.+PVB+ANN.	
3/16" H.S.+PVB+H.S.	

SEE CHARTS

REFER TO SHEET 2 OF 7 FOR TYPICAL BILL OF MATERIAL

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE December 10, 2001  
 BY [Signature]  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 01-1109.03

W98-01

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

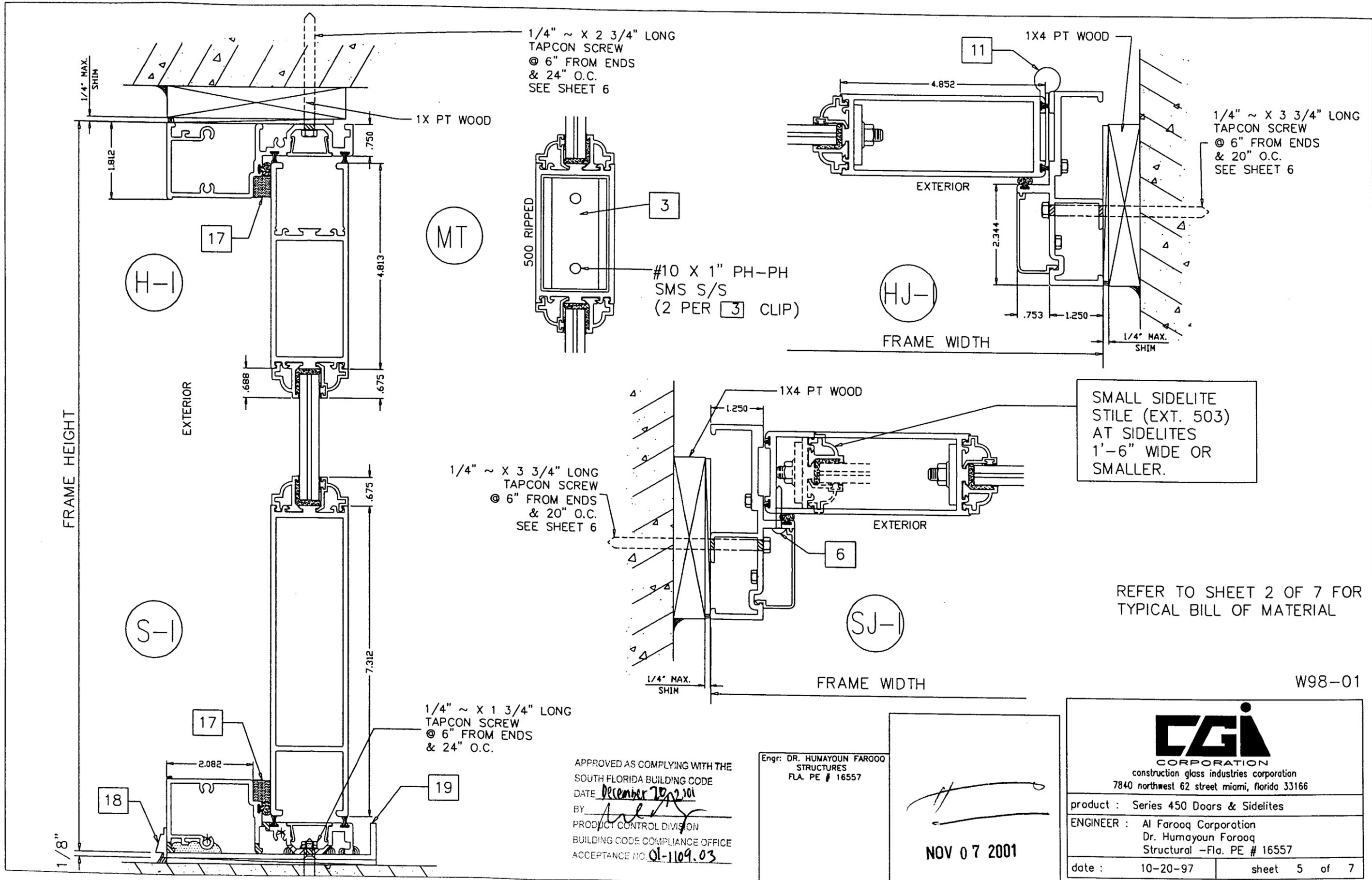
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 NOV 07 2001

**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 4 of 7



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

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

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.

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

REFER TO SHEET 2 OF 7 FOR  
TYPICAL BILL OF MATERIAL

APPROVED AS COMPLYING WITH THE  
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DATE December 20, 2001  
BY [Signature]  
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ACCEPTANCE NO. 01-1109.03

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

[Signature]  
NOV 07 2001

 <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 5 of 7

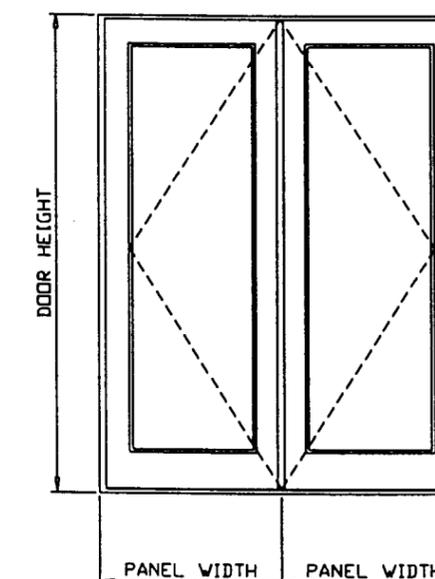
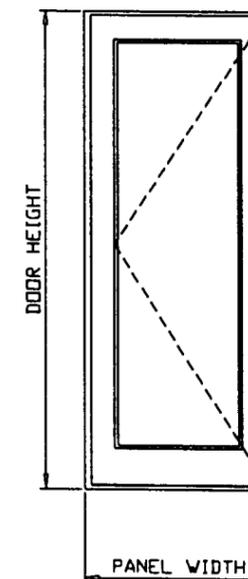
W98-01

**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			
		ANN. GLASS		H.S. GLASS		ANN. GLASS		H.S. GLASS	
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

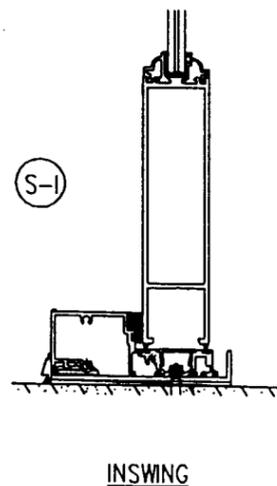
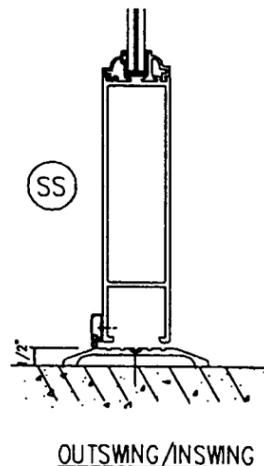
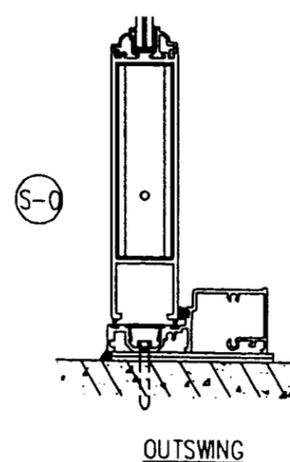
LOADS SHOWN ABOVE ARE FOR DOORS USING THRESHOLD (S-S) OR (S-I) WHERE WATER INFILTRATION REQUIREMENTS ARE NOT APPLICABLE AND FOR THRESHOLD (S-O) IN ANY CONDITION.

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



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 SFBC & ASCE 7-88.
2. DETERMINE WATER INFILTRATION REQUIREMENTS BASED ON PROVISIONS OF SFBC.
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

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE December 19 2001  
BY [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-109.03

NOV 07 2001

*afc*

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

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

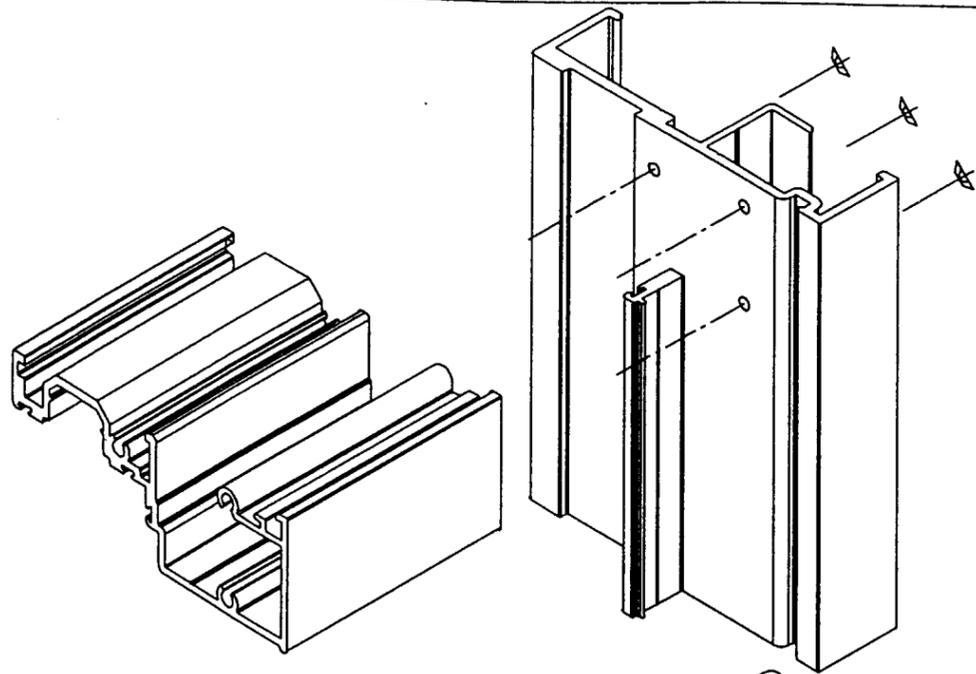
no	date	description
A	11.01.01	CHART REV. PER ASTM E-1300

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

drawing no.  
W98-01

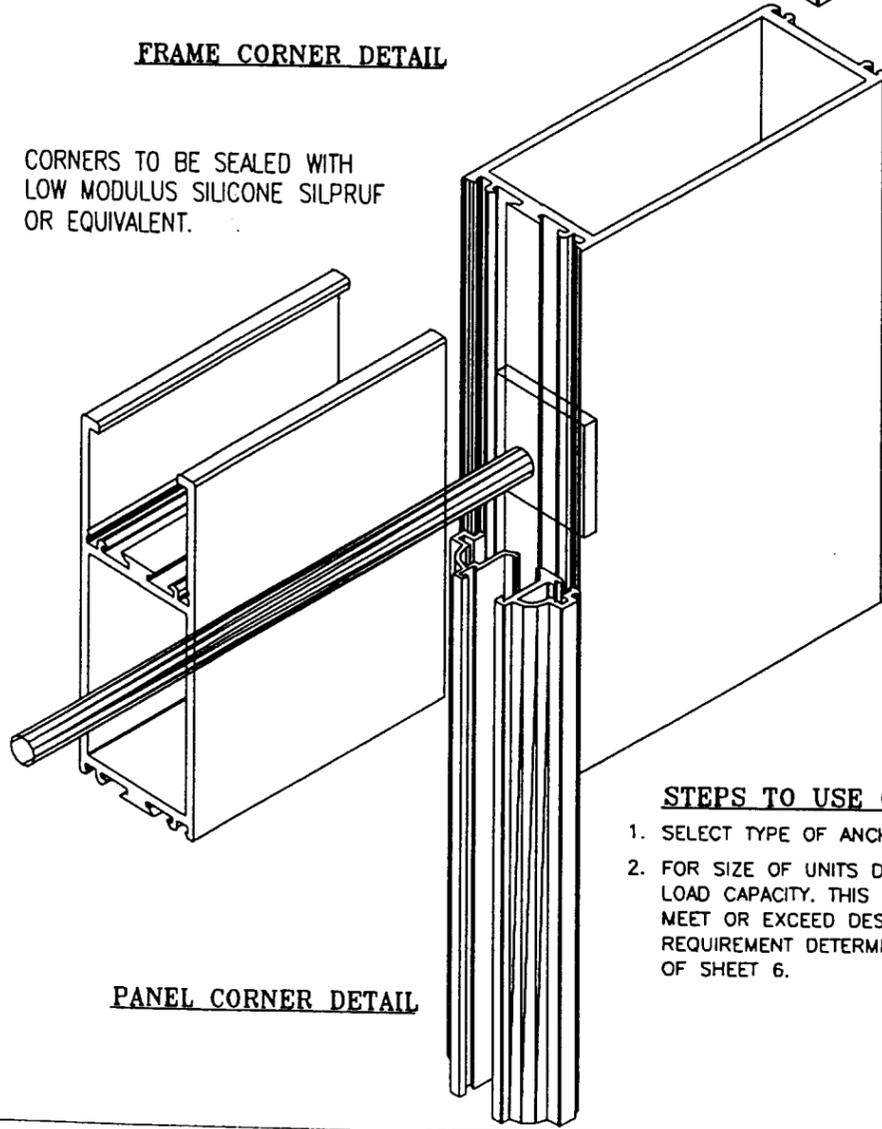
sheet 6 of 7

COMP-ANL\W98-01CG



FRAME CORNER DETAIL

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



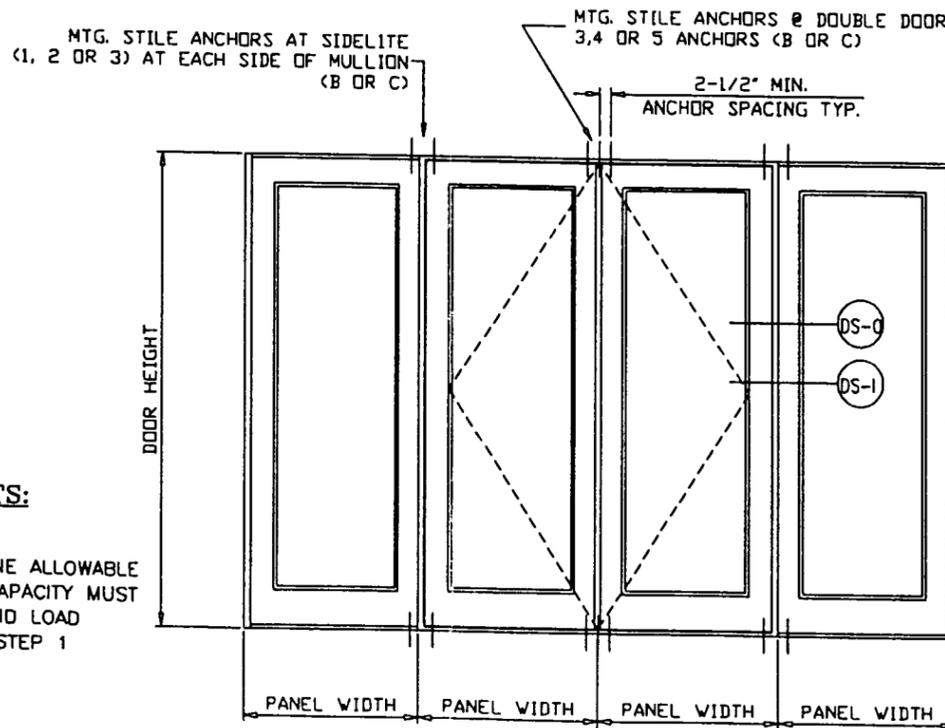
PANEL CORNER DETAIL

**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	CLUSTER OF 3 ANCHORS
2/0	6/8	110.0	110.0	110.0	110.0
2/6		110.0	110.0	110.0	110.0
3/0		110.0	110.0	110.0	110.0
3/6		96.6	110.0	110.0	110.0
2/0	7/0	110.0	110.0	110.0	110.0
2/6		110.0	110.0	110.0	110.0
3/0		107.3	110.0	110.0	110.0
3/6		91.9	110.0	110.0	110.0
2/0	7/6	110.0	110.0	110.0	110.0
2/6		110.0	110.0	110.0	110.0
3/0		100.1	110.0	110.0	110.0
3/6		85.7	107.1	110.0	110.0
2/0	8/0	110.0	110.0	110.0	110.0
2/6		110.0	110.0	110.0	110.0
3/0		93.7	110.0	110.0	110.0
2/0	9/0	110.0	110.0	110.0	110.0
2/6		100.0	110.0	110.0	110.0
3/0		83.2	104.0	100.0	100.0



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

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE

DATE December 29, 2001  
BY [Signature]

NOV 07 2001

PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-1104.03

*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\W98-01CG

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	CHARTS REV. PER 1997 NDS

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

drawing no. **W98-01**  
sheet 7 of 7