



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](http://www.buildingcodeonline.com)

## NOTICE OF ACCEPTANCE (NOA)

Construction Glass Industries Corp.  
10100 NW 25<sup>th</sup> Street  
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 - Transom" Aluminum Fixed Window - L.M.I.

**APPROVAL DOCUMENT:** Drawing No. **W98-38**, titled "Transoms Lites for Swing Doors", sheets 1 through 3 of 3, dated 05/02/98 with revision D dated 12/22/05, prepared by Al-Farooq Corporation, 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 Resistant

**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 and renews NOA # 03-0422.03** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No 06-0127.01  
Expiration Date: November 19, 2011  
Approval Date: September 7, 2006  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **W98-38**, titled "Transoms Lites for Swing Doors", sheets 1 through 3 of 3, dated 05/02/98 with revision D dated 12/22/05, prepared by Al Farooq Corporation, 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# 03-0422.03)*
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 PA202-94, specimen #4, 5A, 5B, 5C tested per PA201-94 & PA203-94, signed and sealed by Timothy S. Marshall, P.E.  
*(Submitted under NOA# 98-0608.21)*

**C. CALCULATIONS**

1. Anchor Calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated December 22, 2005, signed and sealed by Humayoun Farooq, P.E.  
**Complies with ASTM E1300-98/02**
2. Anchor Calculations, dated 04/01/03, prepared, signed and sealed by Humayoun Farooq, P.E. *(Submitted under NOA# 03-0422.03)*

**D. QUALITY ASSURANCE**

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

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No 06-0127-01  
Expiration Date: November 19, 2011  
Approval Date: September 7, 2006

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**E. MATERIAL CERTIFICATIONS**

*(Submitted under NOA# 98-0608.21)*

1. Notice of Acceptance No. **98-0728.05** issued to Solutia Inc. for their “**Saflex IIIIG PVB Polyvinyl Butyral Interlayer**” dated 08/27/98, expiring on 05/21/01.
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.

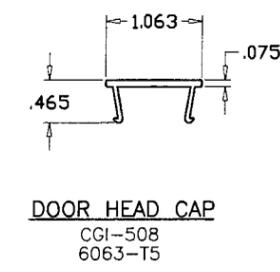
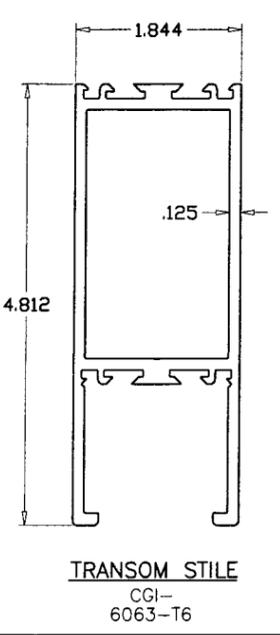
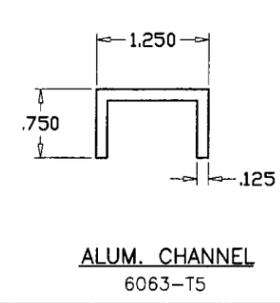
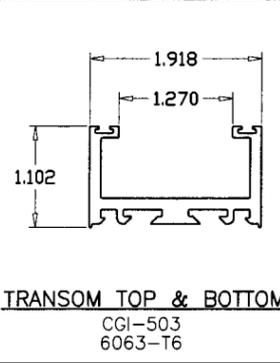
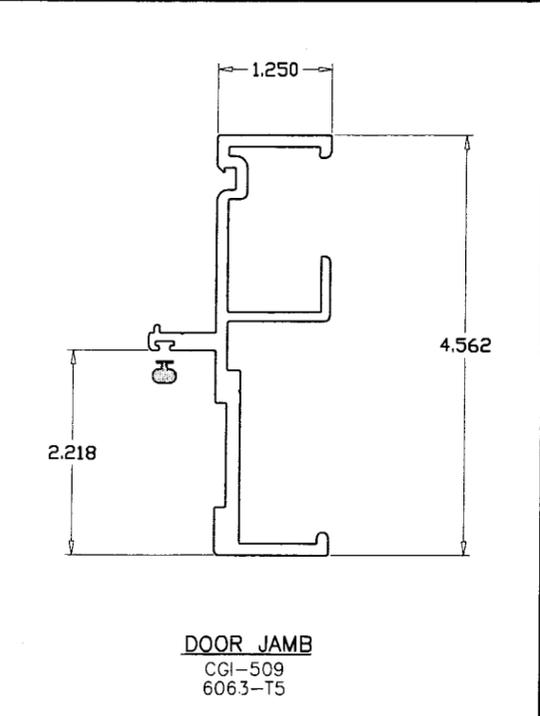
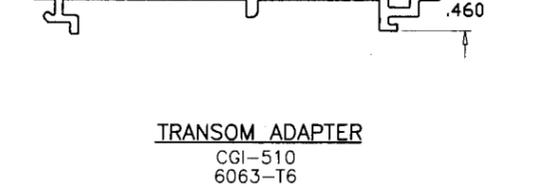
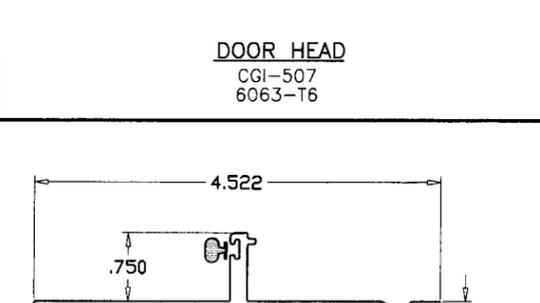
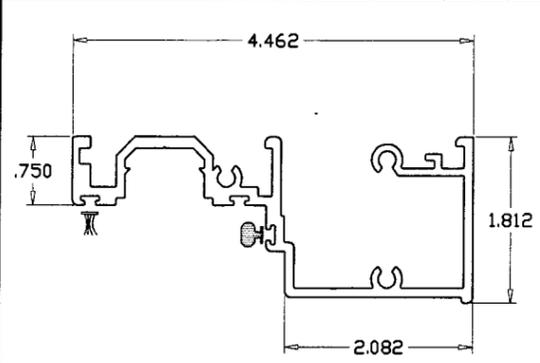
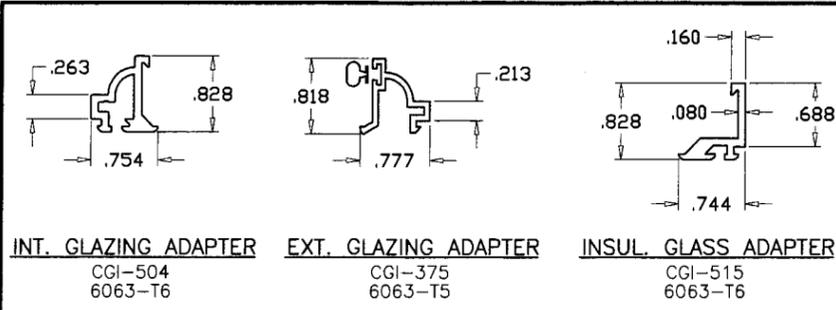
**F. STATEMENTS**

1. Statement letter of no financial interest, dated 04/01/03, signed by Humayoun Farooq, P.E.
2. Statement letter of conformance, dated 04/01/03, 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.

**G. OTHER**

1. Notice of Acceptance No. **03-0422.03**, issued to Construction Glass Industries Corp., Series “450” Aluminum and Glass Transoms, approved on 07/17/03 and expiring on 11/19/06.

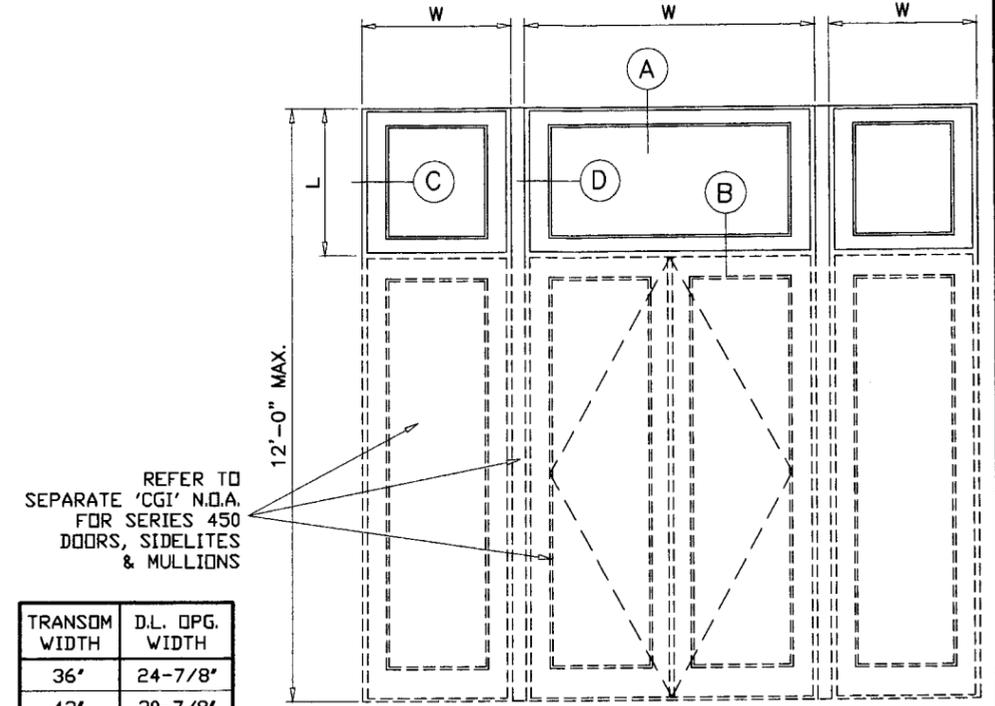
  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No 06-0127.01  
Expiration Date: November 19, 2011  
Approval Date: September 7, 2006



TRANSOM LITE LOAD TABLE						
NOMINAL DIMS.		LOAD CAPACITY - PSF				
WIDTH W-IN.	HEIGHT L-IN.	1/2" LAMINATED ANN. GLASS		1" INSUL. LAM. ANN. GLASS		
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
36	24	100.0	100.0	80.0	80.0	
42		100.0	100.0	80.0	80.0	
48		100.0	100.0	80.0	80.0	
54		100.0	100.0	80.0	80.0	
60		100.0	100.0	80.0	80.0	
66		100.0	100.0	80.0	80.0	
72		100.0	100.0	80.0	80.0	
36		30	100.0	100.0	80.0	80.0
42	100.0		100.0	80.0	80.0	
48	100.0		100.0	80.0	80.0	
54	100.0		100.0	80.0	80.0	
60	100.0		100.0	80.0	80.0	
66	100.0		100.0	80.0	80.0	
72	100.0		100.0	80.0	80.0	
36	36		100.0	100.0	80.0	79.4
42		100.0	100.0	80.0	79.4	
48		100.0	100.0	80.0	79.4	
54		100.0	100.0	80.0	79.4	
60		100.0	100.0	80.0	79.4	
66		91.7	91.7	80.0	79.4	
72		83.6	83.6	80.0	79.4	
36		42	100.0	100.0	80.0	79.4
42	87.8		87.8	80.0	68.1	
48	87.8		87.8	80.0	68.1	
54	87.8		87.8	80.0	68.1	
60	84.7		84.7	80.0	68.1	
36	48		98.0	98.0	80.0	79.4
42			87.8	87.8	80.0	68.1
48			76.8	76.8	74.5	59.6
54		76.8	76.8	74.5	59.6	
36		54	87.1	87.1	80.0	79.4
42			87.8	87.8	80.0	68.1
48			76.8	76.8	74.5	59.6
36			60	78.4	78.4	78.4
42	87.8			87.8	80.0	68.1

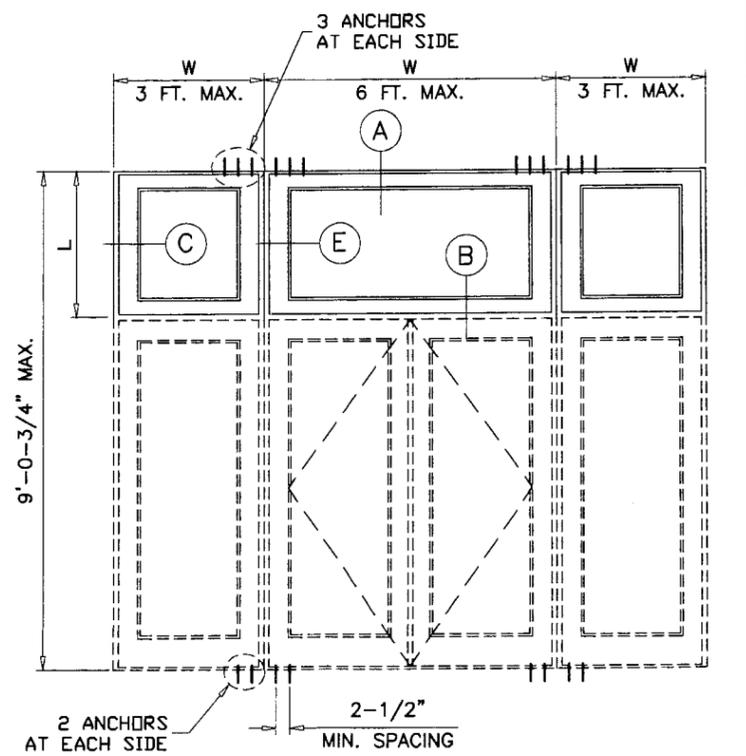
NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE BASED ON  
A: ASTM E1300-98 (60 SEC. WIND)  
B: ASTM E1300-02 (3 SEC. GUSTS)

- NOTES:**
- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE.
  - WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
  - 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.



TRANSOM WIDTH	D.L. OPG. WIDTH
36'	24-7/8"
42'	30-7/8"
48'	36-7/8"
54'	42-7/8"
60'	48-7/8"
66'	54-7/8"
72'	60-7/8"

TRANSOM HEIGHT	D.L. OPG. HEIGHT
12'	7-3/8"
18'	13-3/8"
24'	19-3/8"
30'	25-3/8"
36'	31-3/8"
42'	37-3/8"
48'	43-3/8"
54'	49-3/8"
60'	55-3/8"



**P<sub>MAX</sub> FOR THIS CONDITION = 72.3 PSF**

TRANSOMS WITH LAMINATED GLASS RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538

*Signature*  
JAN 20 2006

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No. 06-0127.01  
Expiration Date Nov. 19, 2011

By *Signature*  
Miami Made 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\W98-38CGI

TRANSOM LITES FOR SWING DOORS  
**CONSTRUCTION GLASS INDUSTRIES CORP.**  
7840 N.W. 62 STREET  
MIAMI, FL. 33166  
TEL. (305) 593-6590 FAX (305) 593-6592

no	date	description	by
A	10.15.98	GENERAL REVISION	
B	11.02.01	CHARTS REV. PER 1997 NDS	
C	01.06.03	INSUL. GLASS ADDED	
D	12.22.05	UPDATED FOR 2004 FBC	

date: 05-02-98  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no. **W98-38**  
sheet 1 of 3

no	date	description
C	01.06.03	INSUL. GLASS ADDED
D	12.22.05	UPDATED FOR 2004 FBC

date: 05-02-98	scale: 1/2" = 1"
dr. by: HAMID	chk. by:

drawing no. <b>W98-38</b>
sheet 2 of 3

\* NOTE:  
 ANCHORS MAY ALSO BE DIRECTLY TO MASONRY WITH 1/4" MAX. SHIM SPACE

\* 1/4" TAPCONS AS MFG. BY ELCO  
 1-1/4" EMBED INTO MASONRY  
 6" FROM CORNERS & 24" O.C.

.320H WOOL PILE W/ CENTERFIN WEATHERSEAL (ULTRAFAB #3032)

EXTERIOR  
 TRANSOM HEIGHT

.350H FOAM-TITE WEATHERSEAL (AMESBURY #32010)

GE 1200 SILICONE TYP.

#10 X 1" SMS @ 6" FROM ENDS & 12" O.C.  
 OR  
 3/16 X 1" KWIK-FLEX S.D. SCREWS @ 6" FROM ENDS & 18" O.C.

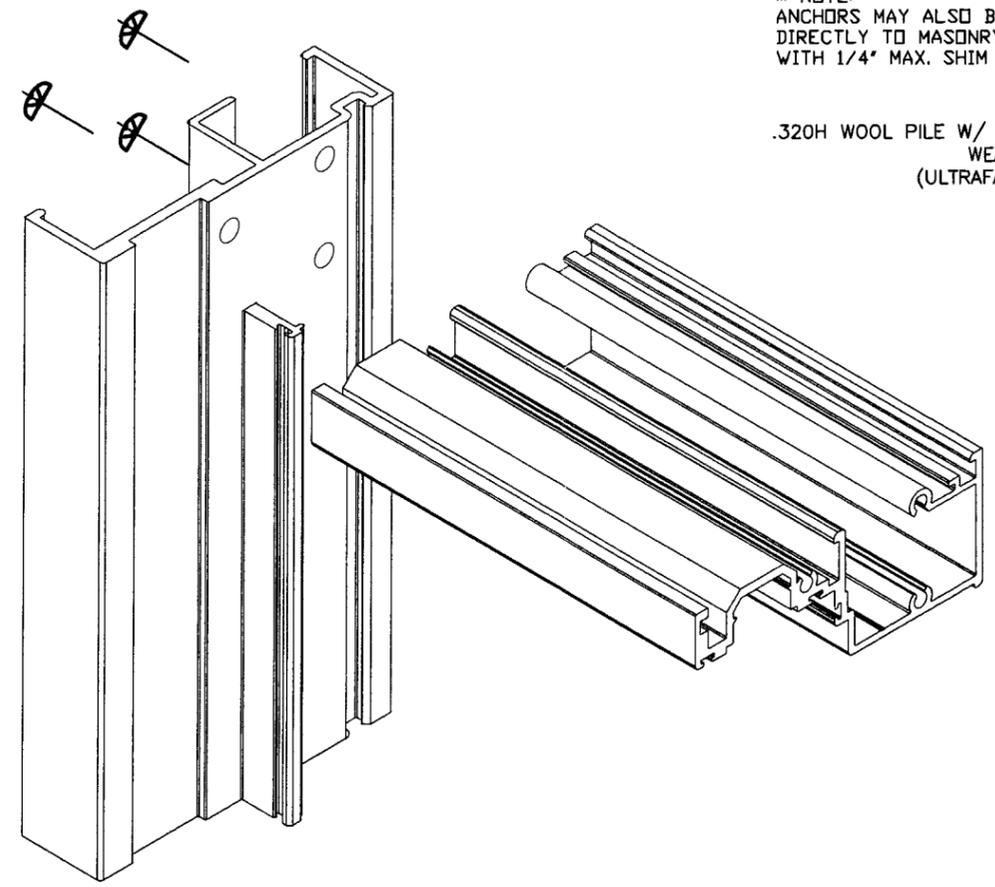
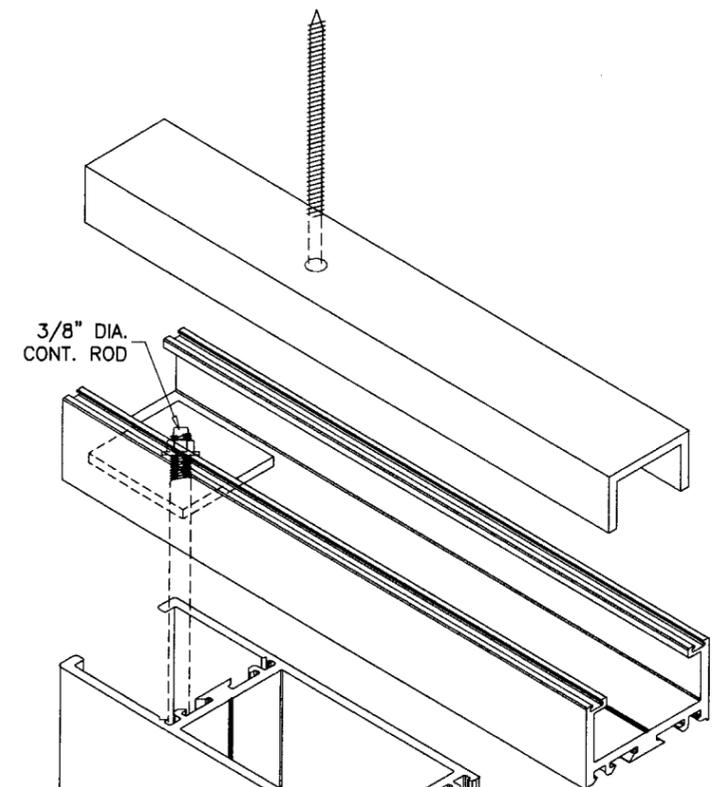
1/8" OR 1/4" TEMP. GLASS

AIR SPACE

3/16" ANN. GLASS

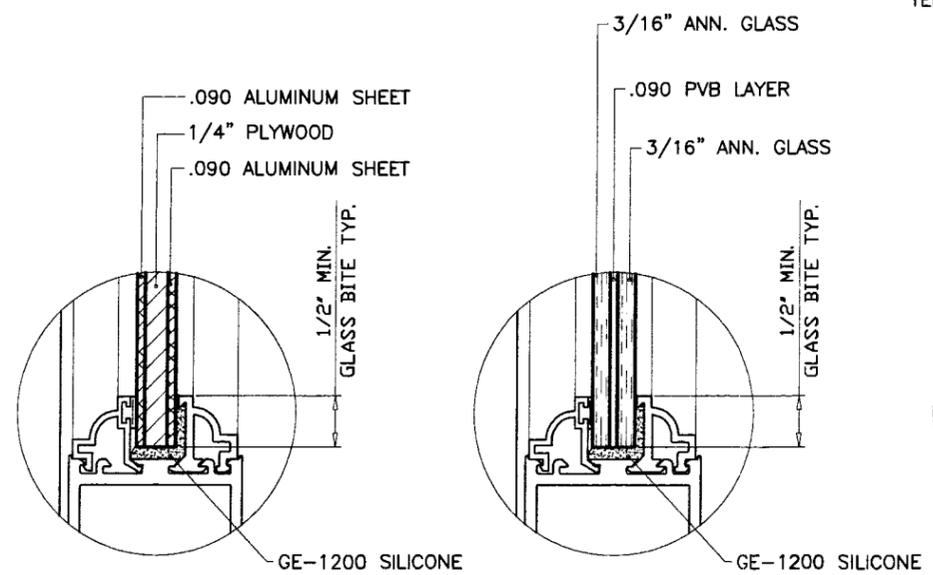
.090 PVB LAYER

3/16" ANN. GLASS



**FRAME CORNER DETAIL**

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



**TYPICAL GLAZING DETAILS**

WOOD BUCKS NOT BY C.G.I., MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

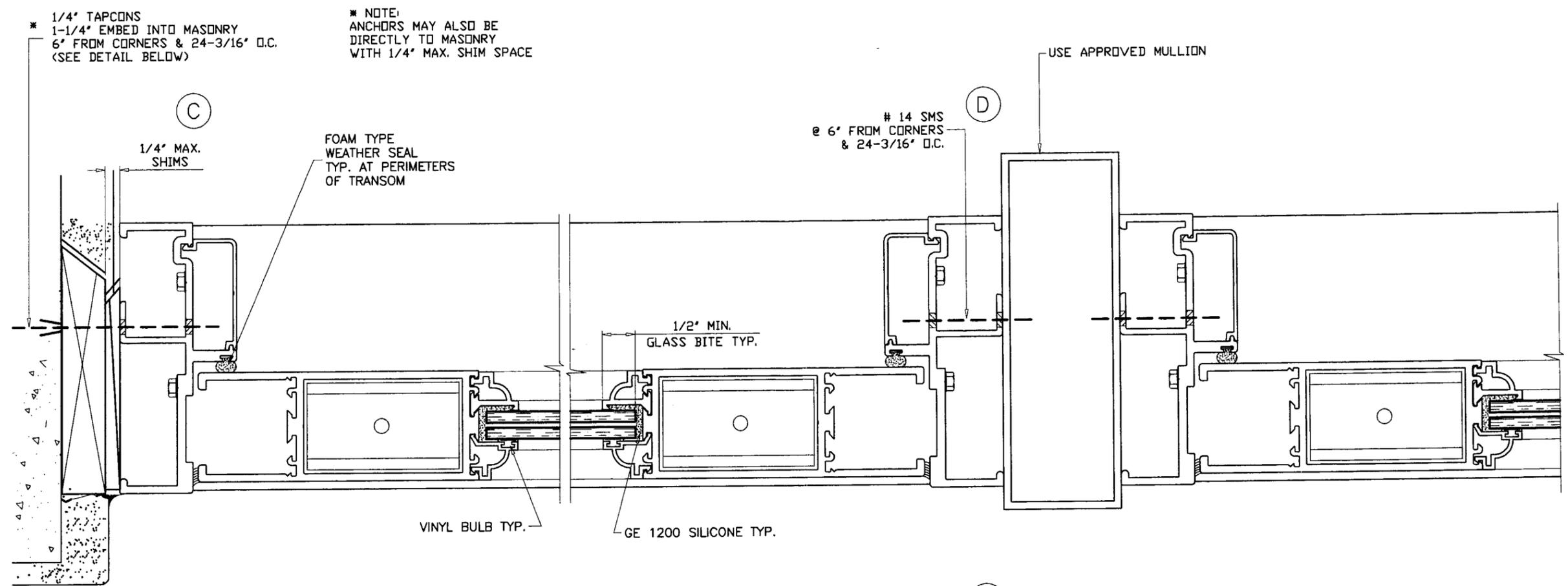
1-1/2" X 1-1/2" X 3/16" ALUM PLATE

**PANEL CORNER DETAIL**

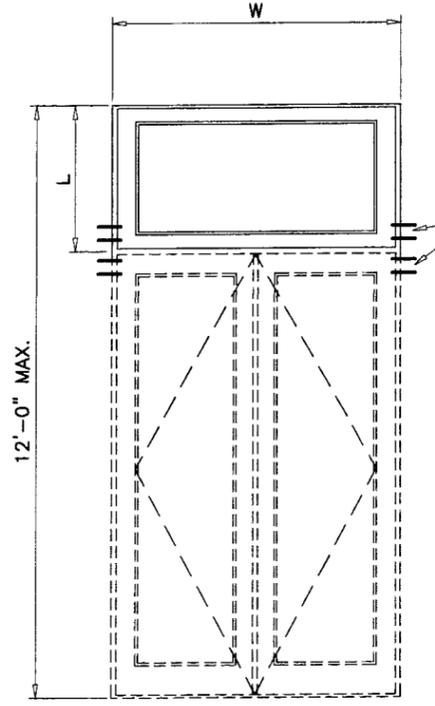
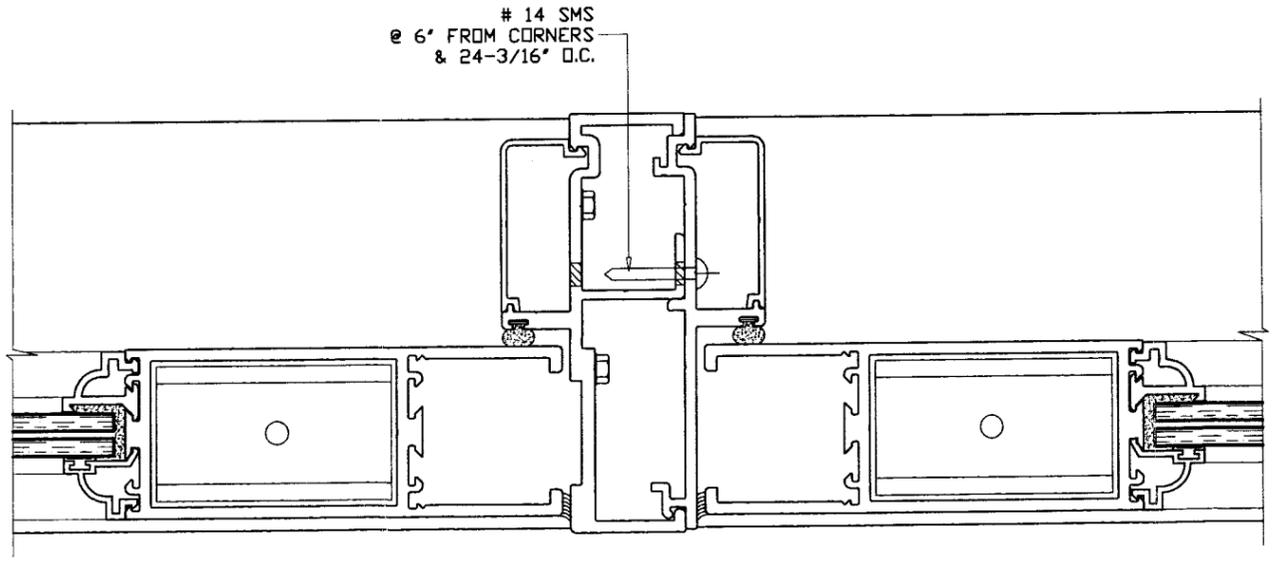
Engr: DR. HUMAYOUN FAROOQ  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538

PRODUCT REVISED  
 as complying with the Florida Building Code  
 Acceptance No. 06-0127-01  
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 By: *Manuel Perez*  
 Miami Code Product Control Division

JAN 20 2006



EXTERIOR



1/4" TAPCONS INTO WOOD STRUCTURE  
 1-3/4" MIN. EMBED THRU WOOD BUCK INTO MASONRY  
 1-1/4" MIN. MASONRY EMBED AT 2-1/2" O.C. SPACING  
 (2) FOR DESIGN LOAD UPTO 54.0 PSF  
 (4) FOR DESIGN LOAD ABOVE 54.0 PSF

ANCHORING DETAIL FOR TRANSOM ENDS FOR TRANSOMS WITHOUT SIDELITES AND XX DOORS BELOW

TAPCONS AS MANUFACTURED BY ELCO.

Engr. DR. HUMAYOUN FAROOQ  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538  
 JAN 20 2006

PRODUCT REVISED as complying with the Florida Building Code  
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 By *Manuel Sires*  
 Miami Dade Product Control Division

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no.	date	by	description
C	01.06.03		NO CHANGE THIS SHEET
D	12.22.05		NO CHANGE THIS SHEET

date: 05-02-98  
 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no. **W98-38**  
 sheet 3 of 3