



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

CGI Windows and Doors, Inc.
10100 NW 25th 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 and accepted by Miami-Dade County RER - Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 "Transom Lites for Swing Doors", sheets 1 through 5 of 5, dated 05/02/98, with revision K dated 05/19/16, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 Section.

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, model/series, 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# **15-0512.14** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jorge M. Plasencia, P.E.**



Jorge M. Plasencia
07/19/2016

NOA No. 16-0523.02
Expiration Date: November 19, 2021
Approval Date: July 28, 2016
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA's No. 98-0608.21 and 03-0422.03)
2. Drawing No. **W98-38**, titled Series "Transom Lites for Swing Doors", sheets 1 through 5 of 5, dated 05/02/98, with revision K dated 05/19/16, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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 series 7500 PVC fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. **CTLA-3056 WA**, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E.
(Submitted under NOA No. 15-0512.14)
2. 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 series 7400 PVC project out window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. **CTLA-3056 WB**, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E.
(Submitted under NOA No. 15-0512.14)
3. 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 series 238 aluminum fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. **CTLA-3056 WC**, dated 04/16/15, signed and sealed by Ramesh C. Patel, P.E.
(Submitted under NOA No. 15-0512.14)
4. 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 an outswing aluminum door, prepared by Architectural Testing, Inc., Test Report No. **ATI-B5234.03-450-18**, dated 12/13/11, signed and sealed by Vinu J. Abraham, P.E. *(For reference only)*
(Submitted under NOA No. 11-1110.02)



Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 16-0523.02
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B. TESTS (CONTINUED)

5. 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 marked-up drawings and installation diagram of a series 450 aluminum swing door w/sidelites and transom, prepared by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-0080-0304-11** dated 08/03/11, for specimens #1 through #15, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA No. 11-1110.02)
6. 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 an 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 No. 03-0422.03)
7. 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 marked-up drawings and installation diagram of an aluminum in/outswing door w/sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-0080-912-97**, dated 09/23/97 thru 02/27/98 for specimen #1, 2, 3, 5A, 5B and 5C, signed and sealed by Timothy S. Marshall, P.E.
(Submitted under NOA No. 98-0608.21)
8. Tensile Test prepared by Metallurgical, Inc., Report No. **8CM-709**, dated 04/02/98, for aluminum samples, tested per ASTM E-8, signed and sealed by Frank Grate, P.E.
(Submitted under NOA No. 98-0608.21)
9. Tensile Test prepared by Metallurgical, Inc., Report No. **8CM-709**, dated 10/02/98, for aluminum samples, tested per ASTM E-8 and Spectrographic analysis per ASTM E-415, signed and sealed by Frank Grate, P.E.
(Submitted under NOA No. 98-0608.21)


Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
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C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)**, dated 10/07/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under previous NOA No. 14-1103.11)
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

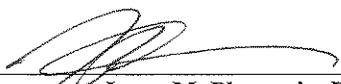
1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 06/25/15, expiring on 07/04/18.
2. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their "**Butacite® PVB Glass Interlayer**" dated 04/25/15, expiring on 12/11/16.
3. Notice of Acceptance No. **14-0423.15** issued to **Eastman Chemical Company (MA)** for their "**Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core**" dated 06/19/14, expiring on 12/11/18.
4. Notice of Acceptance No. **15-1201.11** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 03/17/16, expiring on 05/21/21.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, and of no financial interest, dated 05/19/16, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under previous NOA No. 14-1103.11)
2. Laboratory compliance letter for Test Report No. **ATI-B5234.03-450-18**, issued by Architectural Testing, Inc., dated 12/13/11, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA No. 11-1110.02)
3. Laboratory compliance letter for Test Report No. **HTL-0080-0304-11**, issued by Hurricane Test Laboratory, Inc., dated 08/03/11, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA No. 11-1110.02)
4. 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.
(Submitted under NOA No. 03-0422.03)



Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 16-0523.02
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CGI Windows and Doors, Inc.

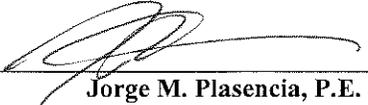
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

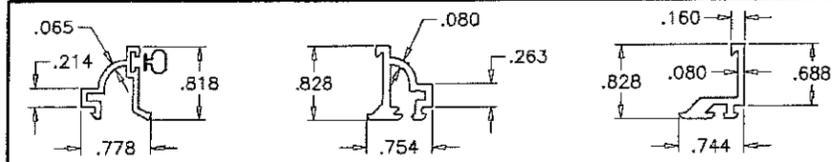
5. Laboratory compliance letter for Test Report No. **HTL-0080-912-97**, issued by Hurricane Test Laboratory, Inc., dated 09/23/97, signed and sealed by Timothy Marshal, P.E.
(Submitted under NOA No. 98-0608.21)
6. Laboratory compliance letter for Test Report No. **8CM-709**, issued by Metallurgical, Inc., dated 04/02/98, signed and sealed by Frank Grate, P.E.
(Submitted under NOA No. 98-0608.21)
7. Test Proposal for the qualification of **Butacite®** PVB glass interlayer by DuPont as well as **Duraseal®** and **Super Spacer® Standard** warm-edge flexible insulating glass spacers, dated December 16, 2014, issued by RER, Product Control Section, signed by Jaime Gascon, P.E., Supervisor, Product Control Section.
(Submitted under NOA No. 15-0512.14)

G. OTHERS

1. Notice of Acceptance No. **15-0512.14**, issued to CGI Windows & Doors, Inc. for their Series "450 - Transom" Aluminum Fixed Window - L.M.I., approved on 09/10/15 and expiring on 11/19/16.



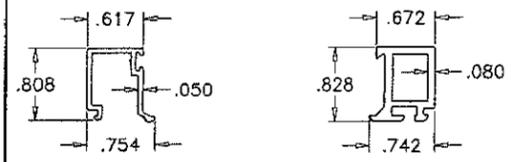
Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 16-0523.02
Expiration Date: November 19, 2021
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OGEE GLAZING BEAD
CGI-375
6063-T5

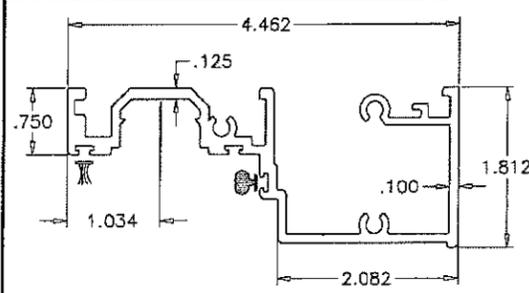
OGEE GLAZING ADAPTER
CGI-504
6063-T6

INSUL. GLASS ADAPTER
CGI-515
6063-T6

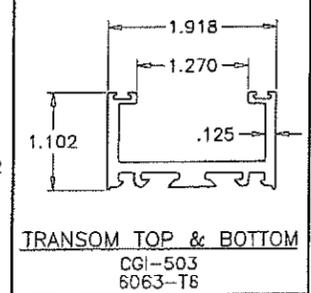


SQ. GLAZING BEAD
CGI-396
6063-T5

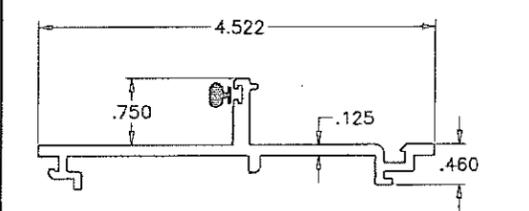
SQ. GLAZING ADAPTER
CGI-519
6063-T6



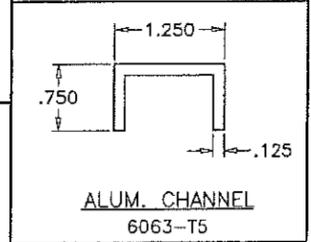
DOOR HEAD
CGI-507
6063-T6



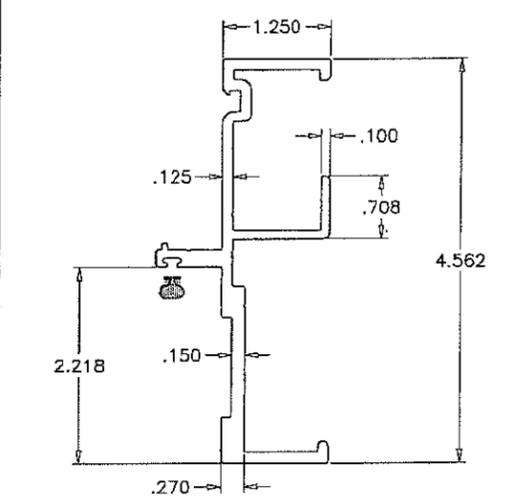
TRANSOM TOP & BOTTOM
CGI-503
6063-T6



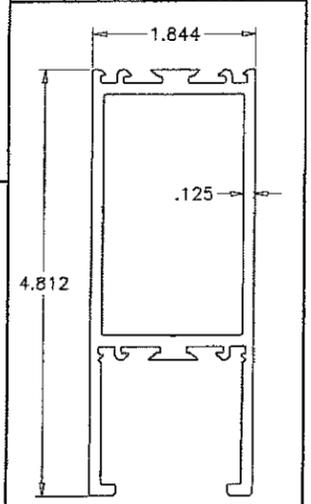
TRANSOM ADAPTER
CGI-510
6063-T6



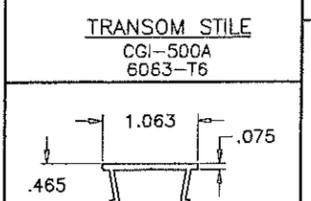
ALUM. CHANNEL
6063-T5



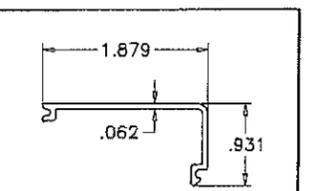
DOOR JAMB
CGI-509
6063-T5



TRANSOM STILE
CGI-500A
6063-T6



DOOR HEAD CAP
CGI-508
6063-T5



DOOR STOP
CGI-511
6063-T5

NOTES:

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2014 (5TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

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.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

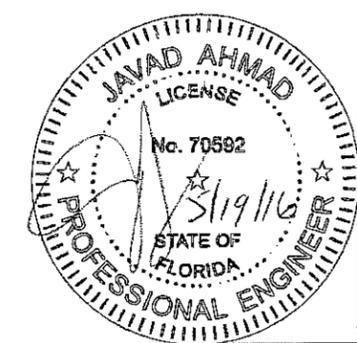
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2014 FLORIDA BUILDING CODE & ADOPTED STANDARDS.

TRANSOMS ARE RATED FOR LARGE AND SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **16-0523.02**

Expiration Date **11/19/2021**

By *[Signature]*
Miami-Dade Product Control



af c

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3598)
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL W98-38CGI

TRANSOM LITES FOR SWING DOORS

CGI Windows and Doors, Inc.
10100 N.W. 25TH STREET
MIAMI, FL. 33172
TEL. (305) 593-6590 FAX. (305) 593-6592

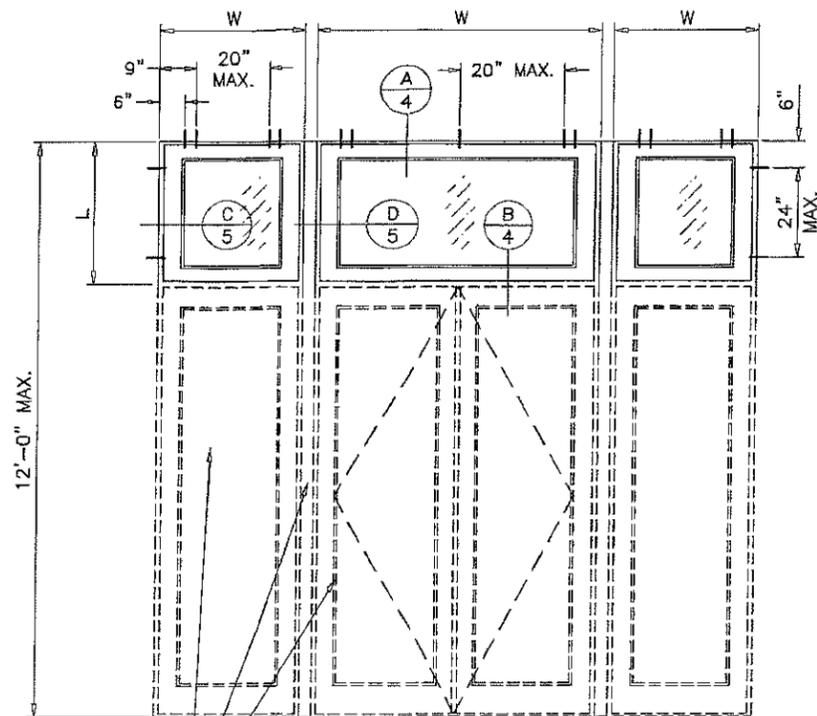
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G	11.07.11	REV. PER BNC COMMENTS	
H	10.07.14	UPDATED TO 2014 FBC	
I	02.25.15	NO CHANGE THIS SHEET	
J	04.10.15	NO CHANGE THIS SHEET	
K	05.19.16	EDITORIAL CHANGES	

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

drawing no.
W98-38
sheet 1 of 5

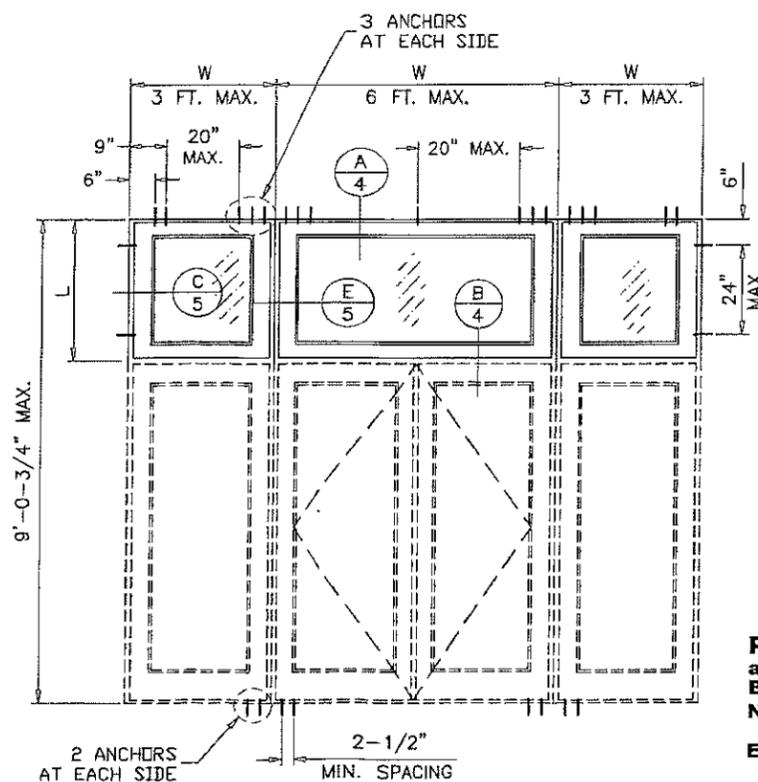
TRANSOM LITE LOAD CAPACITY - PSF							
NOMINAL DIMS.		GLASS TYPE 'A' 7/16" & 1" COMPOSITE PANELS		GLASS TYPE 'A1'		GLASS TYPES 'B' & 'B1'	
WIDTH W-IN.	HEIGHT L-IN.	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36	24	100.0	110.0	70.0	70.0	90.0	90.0
42		100.0	110.0	70.0	70.0	90.0	90.0
48		100.0	110.0	70.0	70.0	90.0	90.0
54		100.0	110.0	70.0	70.0	90.0	90.0
60		100.0	110.0	70.0	70.0	90.0	90.0
66		100.0	107.6	70.0	70.0	90.0	90.0
72	90.3	90.3	70.0	70.0	90.0	90.0	
36	30	100.0	110.0	70.0	70.0	90.0	90.0
42		100.0	110.0	70.0	70.0	90.0	90.0
48		100.0	110.0	70.0	70.0	90.0	90.0
54		100.0	110.0	70.0	70.0	90.0	90.0
60		100.0	110.0	70.0	70.0	90.0	90.0
66		100.0	103.6	70.0	70.0	90.0	90.0
72	86.8	86.8	70.0	70.0	90.0	90.0	
36	36	100.0	110.0	70.0	70.0	90.0	90.0
42		100.0	110.0	70.0	70.0	90.0	90.0
48		100.0	110.0	70.0	70.0	90.0	90.0
54		100.0	110.0	70.0	70.0	90.0	90.0
60		100.0	110.0	70.0	70.0	90.0	90.0
66		100.0	100.3	70.0	70.0	90.0	90.0
72	83.6	83.6	70.0	70.0	86.1	86.1	
36	42	100.0	110.0	70.0	70.0	90.0	90.0
42		85.7	94.3	70.0	70.0	85.7	90.0
48		85.7	94.3	70.0	70.0	85.7	90.0
54		85.7	94.3	70.0	70.0	85.7	90.0
60		85.7	89.8	70.0	70.0	85.7	89.8
36	48	100.0	110.0	70.0	70.0	90.0	90.0
42		85.7	94.3	70.0	70.0	85.7	90.0
48		75.0	82.5	70.0	70.0	75.0	82.5
54	75.0	82.5	70.0	70.0	75.0	82.5	
36	54	100.0	110.0	70.0	70.0	90.0	90.0
42		85.7	94.3	70.0	70.0	85.7	90.0
48		75.0	82.5	70.0	70.0	75.0	82.5
36	60	100.0	110.0	70.0	70.0	90.0	90.0
42		85.7	94.3	70.0	70.0	85.7	90.0

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219



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"

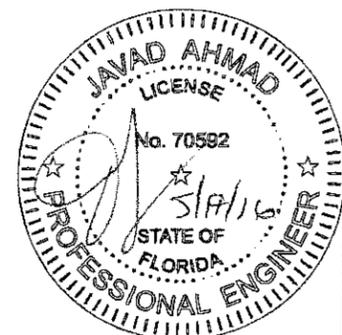


P_{MAX} FOR THIS CONDITION = 72.3 PSF

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 16-0523.02

Expiration Date **11/19/2021**

By *[Signature]*
Miami-Dade Product Control



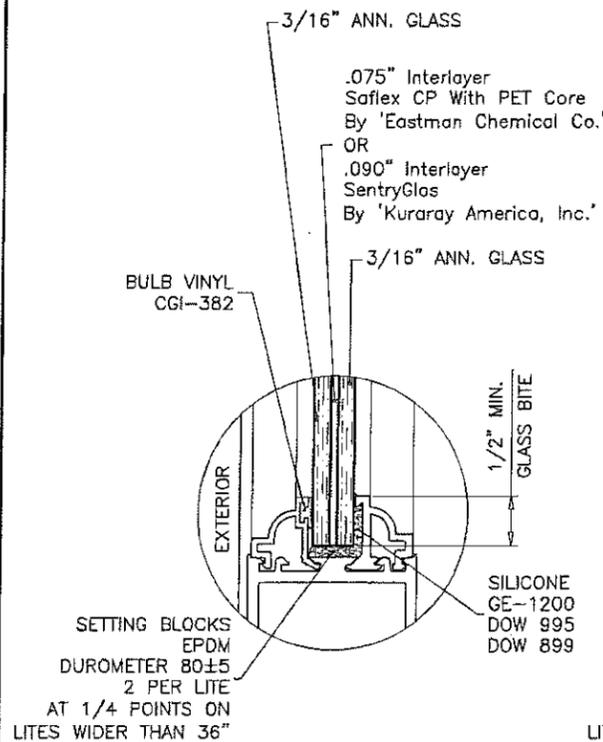
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 8538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W98-38CGI

TRANSOM LITES FOR SWING DOORS
CGI Windows and Doors, Inc.
10100 N.W. 25TH STREET
MIAMI, FL. 33172
TEL. (305) 593-6590 FAX. (305) 593-6592

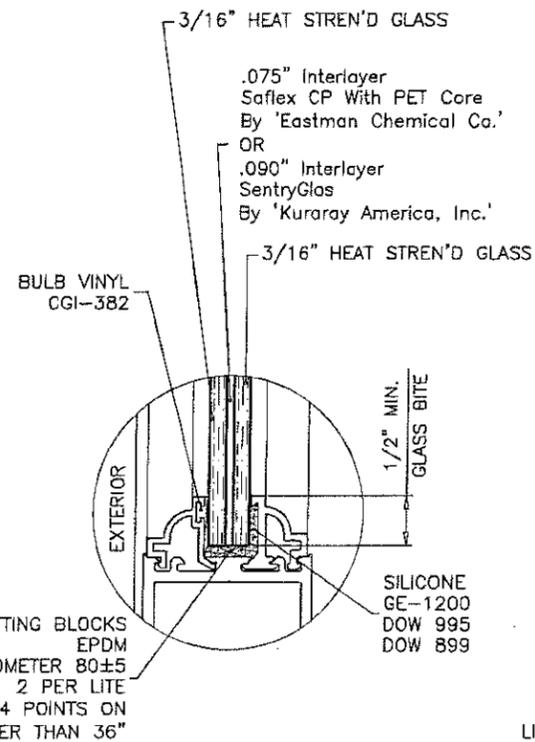
no	date	by	description
G	11.07.11		REV. PER BNC COMMENTS
H	10.07.14		UPDATED TO 2014 FBC
I	02.25.15		REV. PER PER COMMENTS
J	04.10.15		NO CHANGE THIS SHEET
K	05.19.16		EDITORIAL CHANGES

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

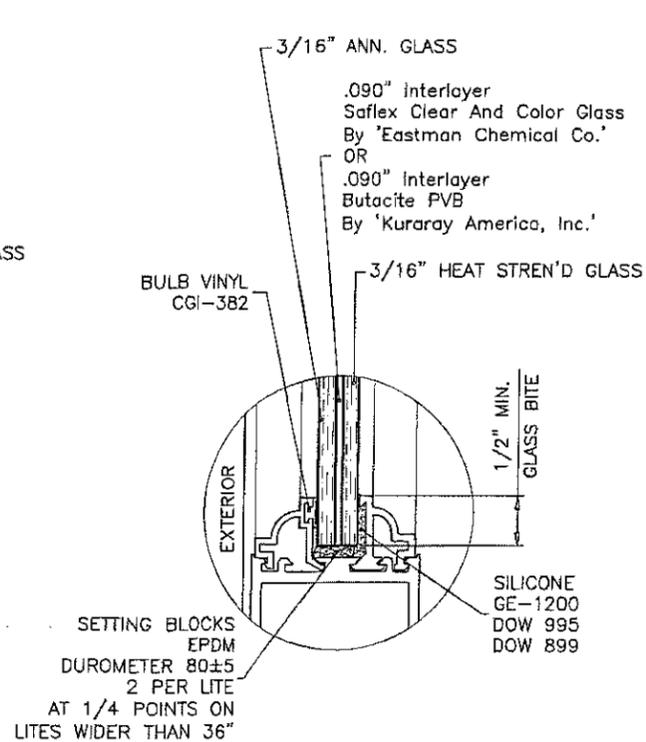
drawing no.
W98-38
sheet 2 of 5



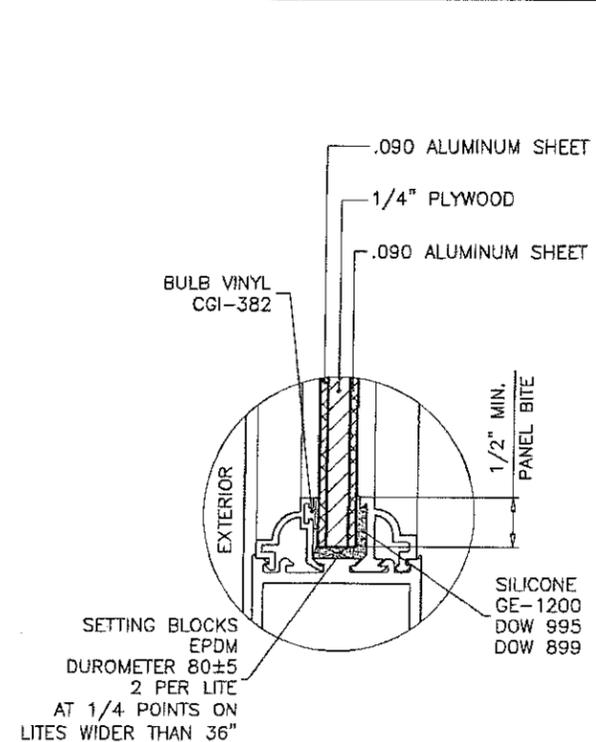
GLASS TYPE 'A'
7/16" OVERALL LAM. GLASS



GLASS TYPE 'B'
7/16" OVERALL LAM. GLASS

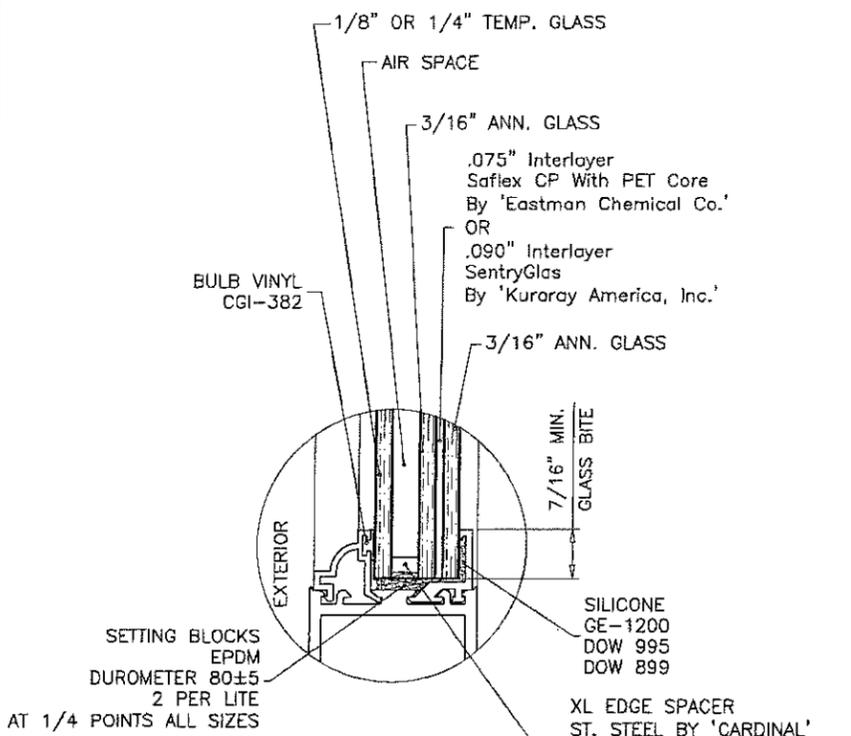


7/16" OVERALL COMPOSITE PANEL

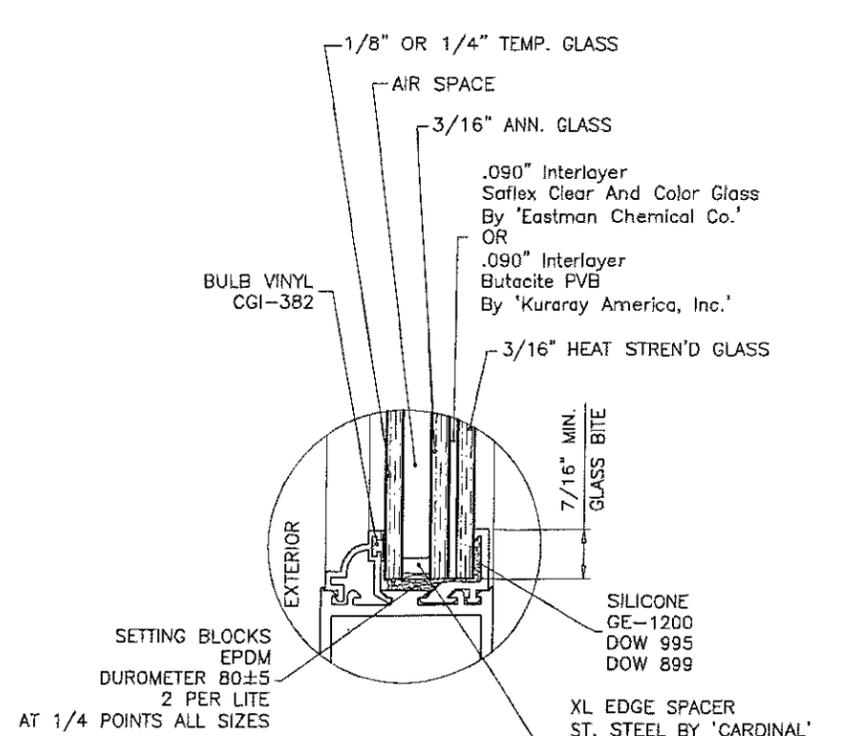


7/16" OVERALL COMPOSITE PANEL

TRANSOMS CAN BE GLAZED USING SQUARE OR OGEE GLAZING BEADS/ADAPTERS

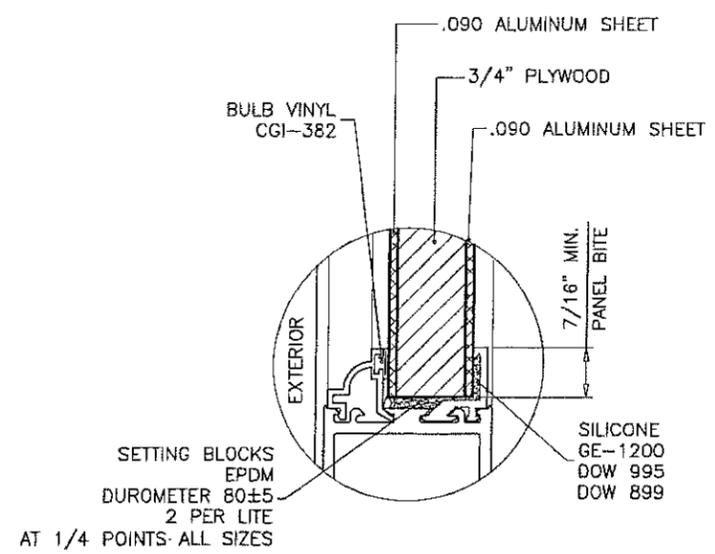


GLASS TYPE 'A1'
1" OVERALL INSUL. LAM. GLASS



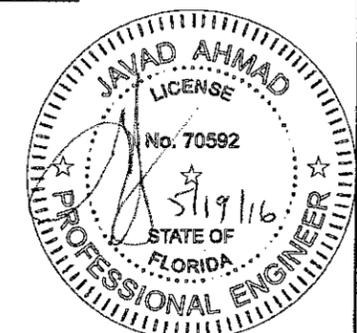
GLASS TYPE 'B1'
1" OVERALL INSUL. LAM. GLASS

GLAZING OPTIONS



1" OVERALL COMPOSITE PANEL

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **16-0523.02**
Expiration Date **11/19/2021**
By *[Signature]*
Miami-Dade Product Control





AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W98-38CGI

TRANSOM LITES FOR SWING DOORS

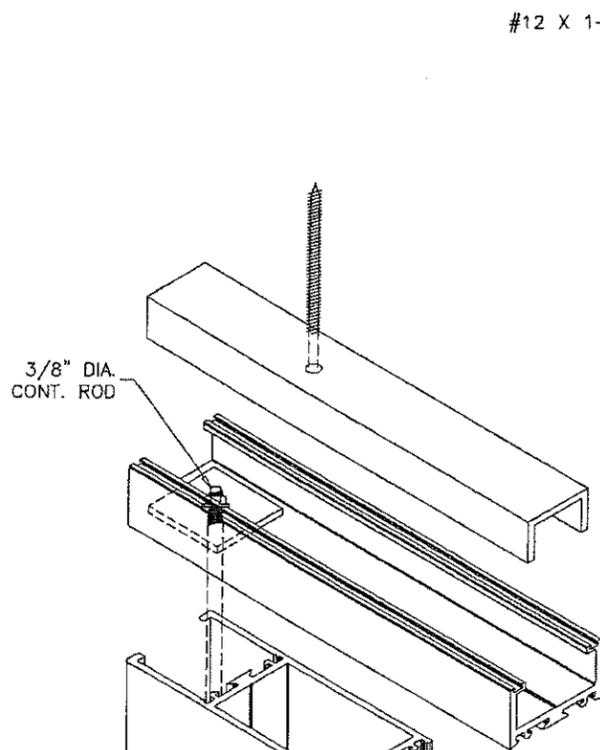
CGI Windows and Doors, Inc.
10100 N.W. 25TH STREET
MIAMI, FL. 33172
TEL. (305) 593-6590 FAX. (305) 593-6592

no	date	description
G	11.07.11	REV. PER BNC COMMENTS
H	10.07.14	UPDATED TO 2014 FBC
I	02.25.15	REV. PER PER COMMENTS
J	04.10.15	INTERLAYER & SPACER REV.
K	05.19.16	EDITORIAL CHANGES

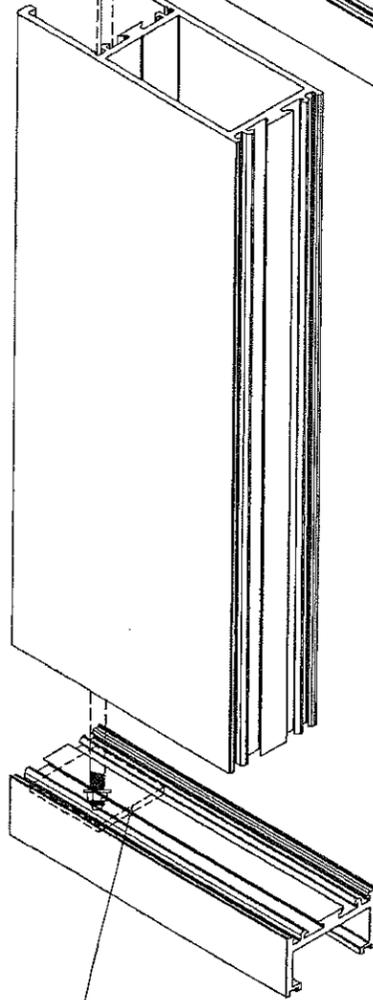
revisions:

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

drawing no. **W98-38**
sheet 3 of 5

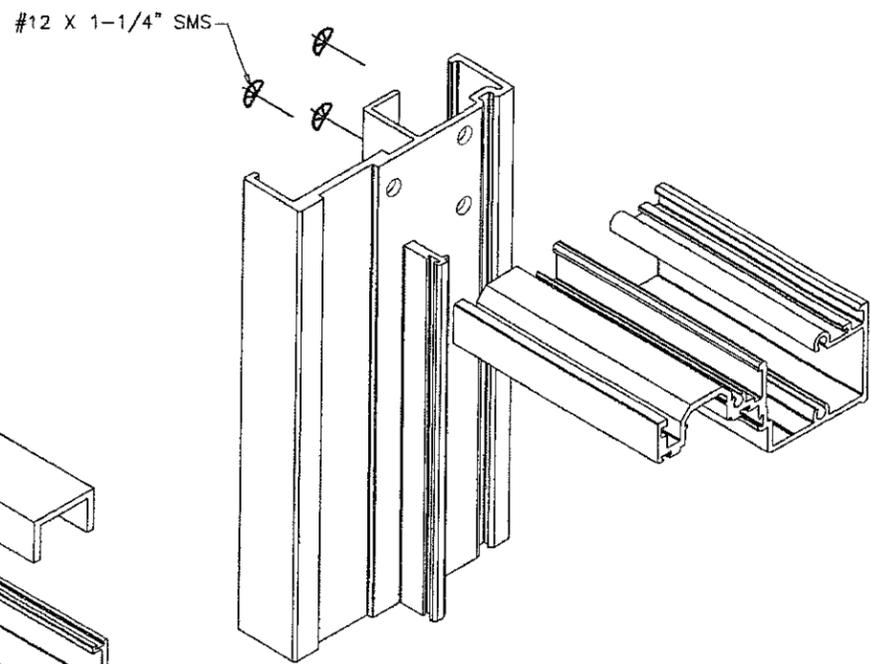


3/8" DIA. CONT. ROD



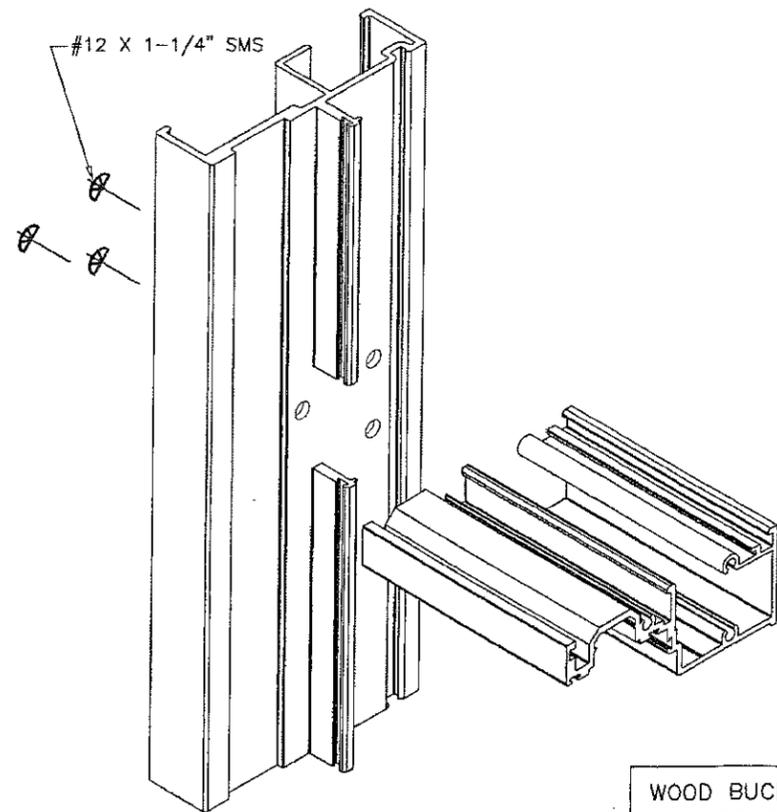
1-1/2" X 1-1/2" X 3/16" ALUM. PLATE

PANEL CORNER DETAIL



#12 X 1-1/4" SMS

FRAME CORNER DETAIL



#12 X 1-1/4" SMS

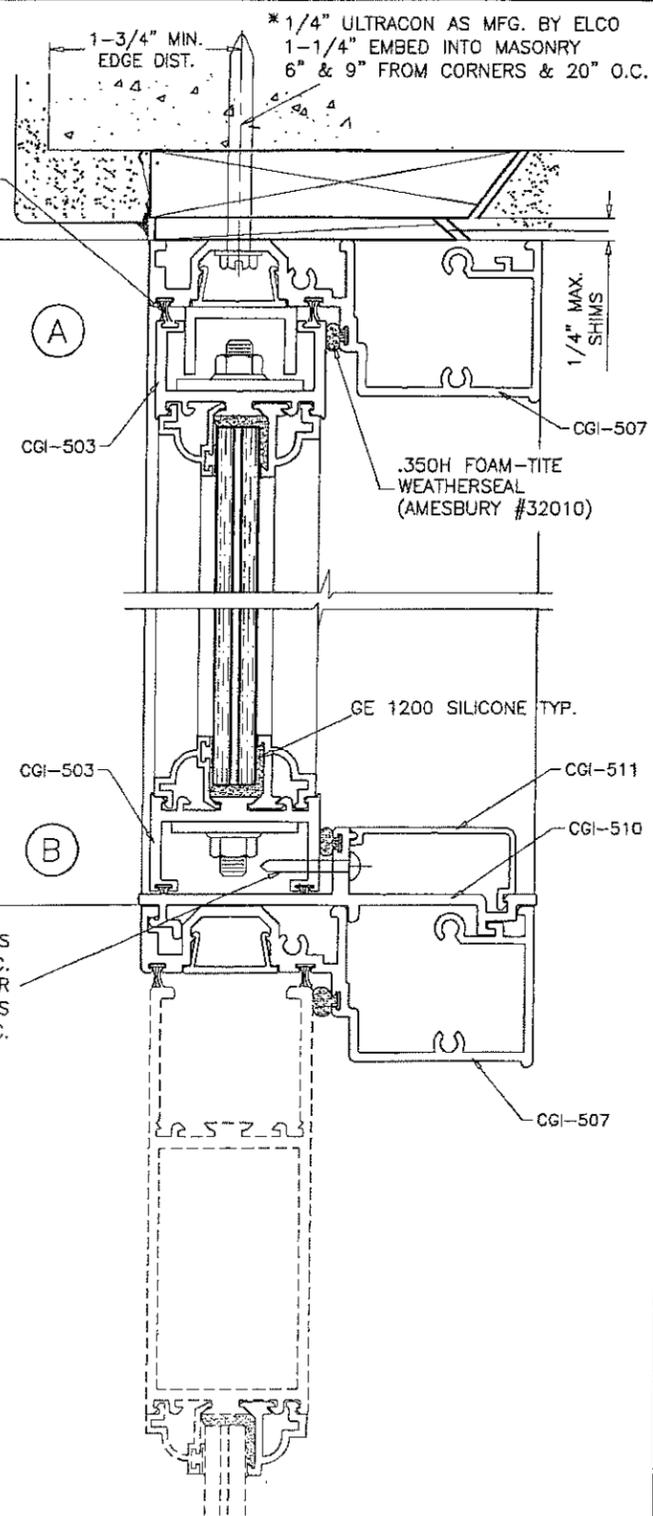
TRANSOM CORNER DETAIL

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

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

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

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



EXTERIOR

TRANSOM HEIGHT

(A)

(B)

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

1-3/4" MIN. EDGE DIST. * 1/4" ULTRACON AS MFG. BY ELCO 1-1/4" EMBED INTO MASONRY 6" & 9" FROM CORNERS & 20" O.C.

CGI-503

CGI-503

1/4" MAX. SHIMS

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

GE 1200 SILICONE TYP.

CGI-507

CGI-511

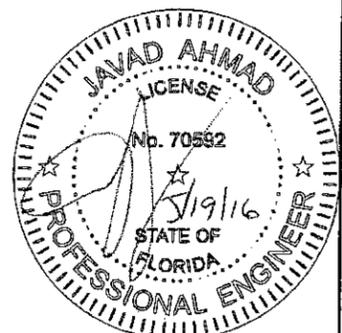
CGI-510

CGI-507

PRODUCT REVISED as complying with the Florida Building Code NOA-No. 16-0523.02

Expiration Date 11/19/2021

By Miami Bade Product Control



afC
AL-FAROQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W98-38CGI

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no	date	description
G	11.07.11	REV. PER BNC COMMENTS
H	10.07.14	NO CHANGE THIS SHEET
I	02.25.15	REV. PER PER COMMENTS
J	04.10.15	NO CHANGE THIS SHEET
K	05.19.16	EDITORIAL CHANGES

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

drawing no. W98-38

sheet 4 of 5

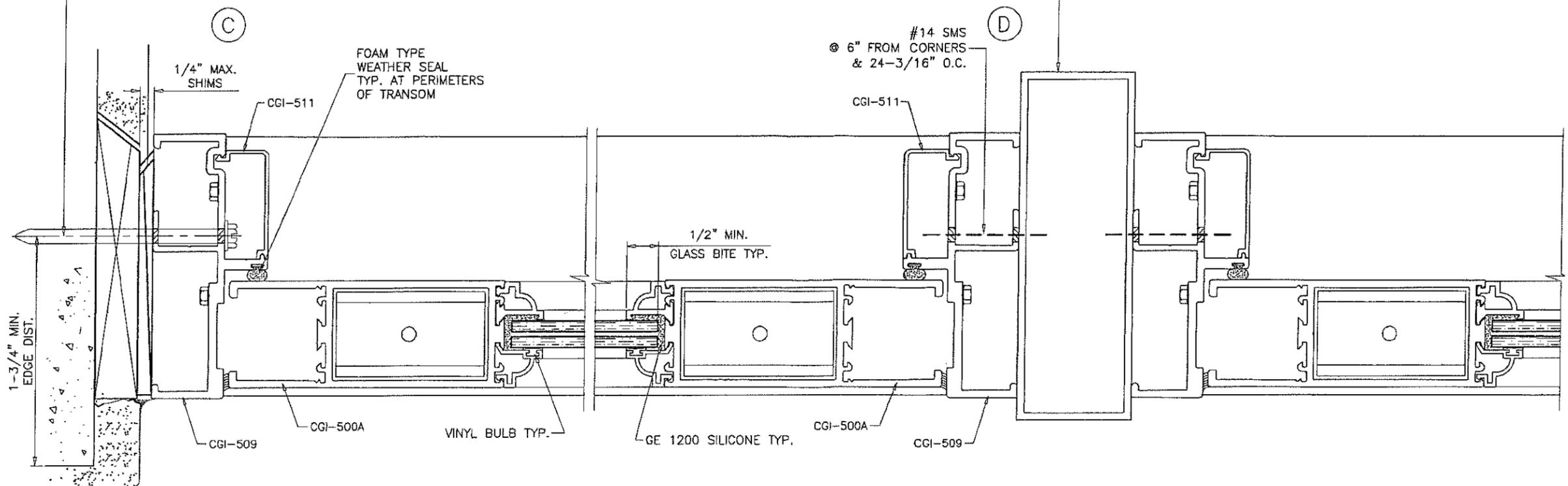
no.	date	by	description
G	11.07.11		REV. PER BNC COMMENTS
H	10.07.14		NO CHANGE THIS SHEET
I	02.25.15		REV. PER PER COMMENTS
V	04.10.15		NO CHANGE THIS SHEET
K	05.19.16		EDITORIAL CHANGES

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

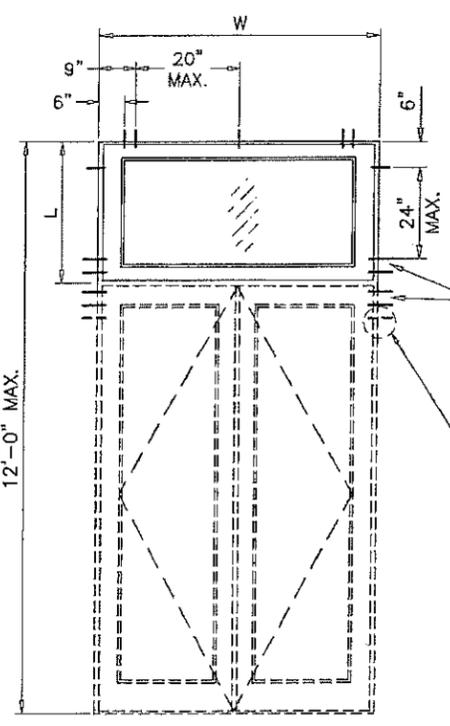
1/4" ULTRACON
 1-1/4" EMBED INTO MASONRY
 6" FROM CORNERS & 24-3/16" O.C.
 1-3/4" MIN. EDGE DIST.
 (SEE DETAIL BELOW)

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

USE APPROVED MULLION



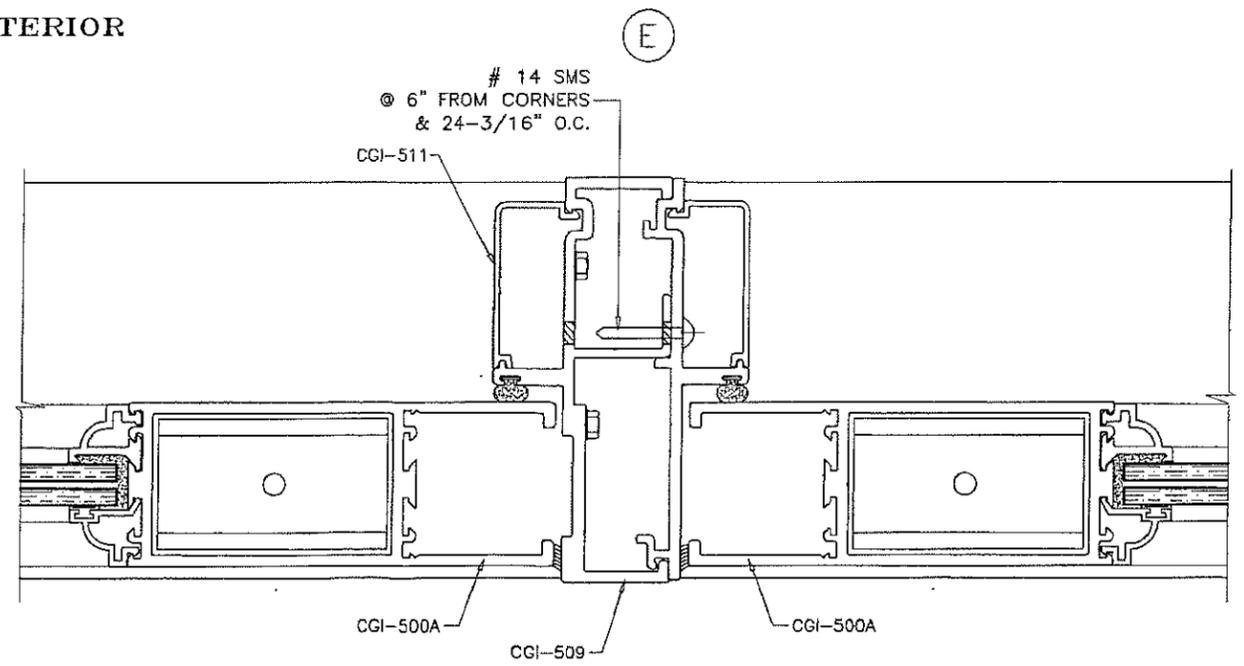
EXTERIOR



(4) 1/4" ULTRACON
 INTO WOOD STRUCTURE
 1-3/8" MIN. EMBED
 THRU WOOD BUCK INTO MASONRY
 1-1/4" MIN. MASONRY EMBED
 1-3/4" MIN. EDGE DIST.
 AT 3" O.C. SPACING

ADDL. ANCHOR REQD.
 FOR DOOR HEIGHTS ≥ 9 FT.

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



NOTES:

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 1-3/4" MIN. EDGE DISTANCE INTO CONC. & MASONRY
 3/4" MIN. EDGE DISTANCE INTO WOOD

CONCRETE f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

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