MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Trulite Glass & Aluminum Solutions, LLC
800 Fairway Drive, Suite 200
Deerfield Beach, FL 33441

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 "3200-Thermal Resistor" Aluminum Storefront/Window Wall System – L.M.I.

APPROVAL DOCUMENT: Drawing No. **AD11-23**, titled "Resistor Series 3200 Aluminum Thermal Storefront Wall - LMI", sheets 1 through 8 of 8, dated 10/11/11, with revision #1 dated 03/14/14, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, 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# 11-1117.01** 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.**

MIAMI-DADE COUNTY APPROVED

3/14/14

NOA No. 13-1106.05
Expiration Date: January 28, 2019
Approval Date: March 20, 2014

Trulite Glass & Aluminum Solutions, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
   (Submitted under NOA No. 08–0926.16)
2. Drawing No **AD11-23**, Sheets 1 through 8 of 8, titled "Resistor Series 3200 Aluminum Thermal Storefront Wall - LMI", dated 10/11/11, with revision #1 dated 03/14/14, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

B. TESTS

1. 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

   along with marked-up drawings and installation diagram of a thermal aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5386**, dated 12/27/07, and revised on 11/18/08, signed and sealed by Michael Wenzel, P.E.
   (Submitted under previous NOA# 08-0926.16)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007 and 2010, dated 11/15/11, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
   (Submitted under previous NOA No. 11–1117.01)
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11–0624.02** issued to **E.I. DuPont DeNemours & Co.**, Inc. for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **12–1231.10** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 03/28/13, expiring on 05/21/16.
3. Notice of Acceptance No. **12–1231.08** issued to **Eastman Chemical Company (MA)** for their "**Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core**" dated 03/28/13, expiring on 12/11/18.

Manuel Perez

Manuel Perez, P.E.
Product Control Examiner
NOA No. 13-1106.05
Expiration Date: January 28, 2019
Approval Date: March 20, 2014

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

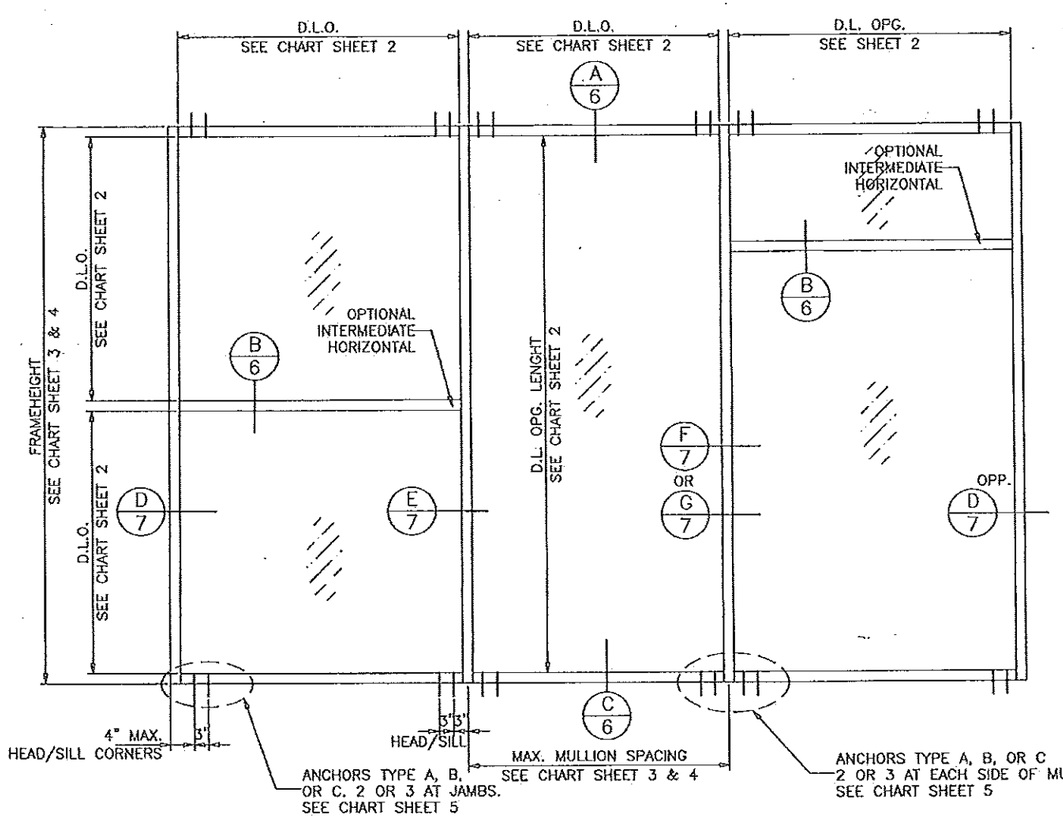
F. STATEMENTS

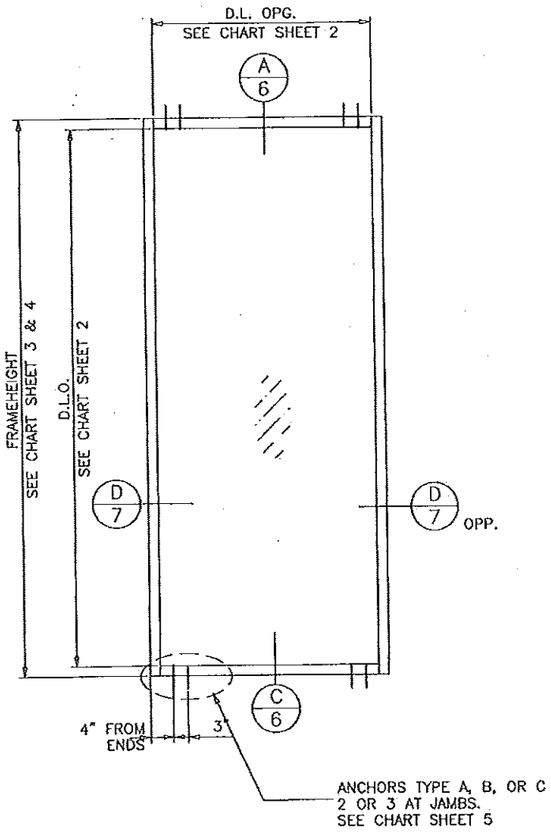
1. Statement letter of conformance, complying with FBC-2007 and FBC-2010, dated 11/14/11, signed and sealed by Yiping Wang, P.E.
2. Statement letter of no financial interest, dated 11/15/11, issued by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

G. OTHERS

1. Notice of Acceptance No. **11–1117.01**, issued to Trulite Glass & Aluminum Solutions, LLC for their Series "3200 Thermal Resistor" Aluminum Storefront/Window Wall System – L.M.I., approved on 03/22/12 and expiring on 01/28/14.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 13-1106.05
Expiration Date: January 28, 2019
Approval Date: March 20, 2014





TYPICAL ELEVATIONS

SERIES 3200 THERMAL SYSTEM

- WINDOW WALL SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.
- THIS SYSTEM MAY BE USED IN CONJUNCTION WITH MIAMI DADE COUNTY APPROVED ENTRANCE DOORS.
- CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2010 EDITION 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.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2007/2010 FLORIDA BLDG. CODE SECTION 2003.8.4, 2411.3.3.3 & 2326

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.

STEP 2: SEE CHARTS ON SHEET 2 FOR GLASS LOAD CAPACITY OF DESIRED GLASS SIZE BASED ON APPLICABLE WIND DURATION.

STEP 3: CHECK MULLION AND JAMB CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 3 & 4. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.

STEP 4: USING CHART ON SHEETS 5 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.

STEP 5: THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

STEP 6: HIGHLIGHT OPTION USED AND TABLE VALUES USED IN A SPECIFIC APPLICATION WHEN USING THIS NOA TO APPLY FOR A PERMIT.

Trulite
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http://www.trulite.com
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DEERFIELD BEACH, FL 33441
p. 800-432-8132 | f. 954-724-2083

PRODUCT:

Resistor
Series 3200
ALUMINUM THERMAL
STOREFRONT
WALL - LMI

Resistor
PRODUCT SERIES

REVN	DATE/REMARKS
Rev. 1	3.14.14 UPDATE TO 2010 FBC

ENGINEER:

MCY ENGINEERING, INC.
GLAZING CONSULTANT
8501 SW 124 Ave. Ste. 205A
MIAMI, FL 33183
P: (305) 271-0117
Email: MCY.Engineering@att.net
www.MCYEngineering.com

STAMP:

YIPING WANG, P.E.
FLORIDA REGISTRATION
LIC. #55983
C.A.N. 28677
No 55983
MAR 14 2014
STATE OF FLORIDA
PROFESSIONAL ENGINEER

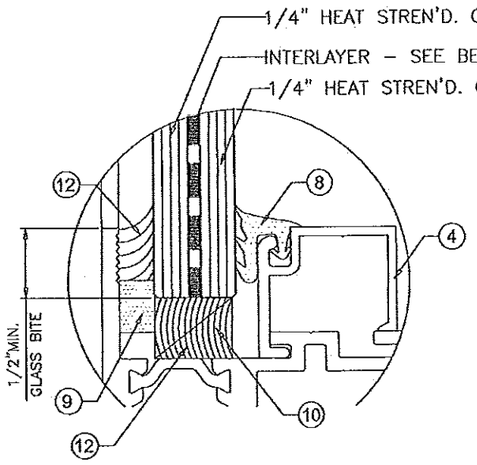
PRODUCT CONTROL APPROVAL:

DRAWN: F.C.	DRAWING No:
DATE: 10-11-11	1 OF 8
DWG: AD11-23	

GLASS LOAD CAPACITY – PSF				
NOMINAL DIMS.		GLASS TYPE "A1"	GLASS TYPE "A2"	GLASS TYPE "A3"
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(–)	EXT.(+) INT.(–)	EXT.(+) INT.(–)
12"	68"	65.0	40.0	40.0
24"		65.0	40.0	40.0
36"		65.0	40.0	40.0
48"		65.0	40.0	40.0
57"		65.0	40.0	40.0
60"		–	40.0	40.0
63"		–	40.0	40.0
72"		–	40.0	40.0
12"	80"	65.0	40.0	40.0
24"		65.0	40.0	40.0
36"		65.0	40.0	40.0
48"		65.0	40.0	40.0
57"		–	40.0	40.0
60"		–	40.0	40.0
63"		–	40.0	40.0
72"		–	40.0	40.0
12"	92"	65.0	40.0	40.0
24"		65.0	40.0	40.0
36"		65.0	40.0	40.0
48"		–	40.0	40.0
57"		–	40.0	40.0
60"		–	40.0	40.0
63"		–	40.0	40.0
72"		–	40.0	40.0
12"	104"	65.0	40.0	40.0
24"		65.0	40.0	40.0
36"		65.0	40.0	40.0
48"		–	40.0	40.0
57"		–	40.0	40.0
60"		–	40.0	40.0
63"		–	40.0	40.0
12"	116"	65.0	40.0	40.0
24"		65.0	40.0	40.0
36"		–	40.0	40.0
48"		–	40.0	40.0
57"		–	40.0	40.0

GLASS LOAD CAPACITY – PSF			
NOMINAL DIMS.		GLASS TYPE "B1"	GLASS TYPE "B2"
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(–)	EXT.(+) INT.(–)
12"	68"	60.0	60.0
24"		60.0	60.0
36"		60.0	60.0
48"		60.0	60.0
57"		60.0	60.0
60"		60.0	60.0
63"		60.0	60.0
72"		60.0	60.0
12"	80"	60.0	60.0
24"		60.0	60.0
36"		60.0	60.0
48"		60.0	60.0
57"		60.0	60.0
60"		60.0	60.0
63"		60.0	60.0
72"		60.0	60.0
12"	92"	60.0	60.0
24"		60.0	60.0
36"		60.0	60.0
48"		60.0	60.0
57"		60.0	60.0
60"		60.0	60.0
63"		60.0	60.0
72"		60.0	60.0
12"	104"	60.0	60.0
24"		60.0	60.0
36"		60.0	60.0
48"		60.0	60.0
57"		60.0	60.0
60"		60.0	60.0
63"		60.0	60.0
12"	116"	60.0	60.0
24"		60.0	60.0
36"		60.0	60.0
48"		60.0	60.0
57"		60.0	60.0

NOTE:
GLASS CHECKED PER ASTM E1300-04 AND TESTING



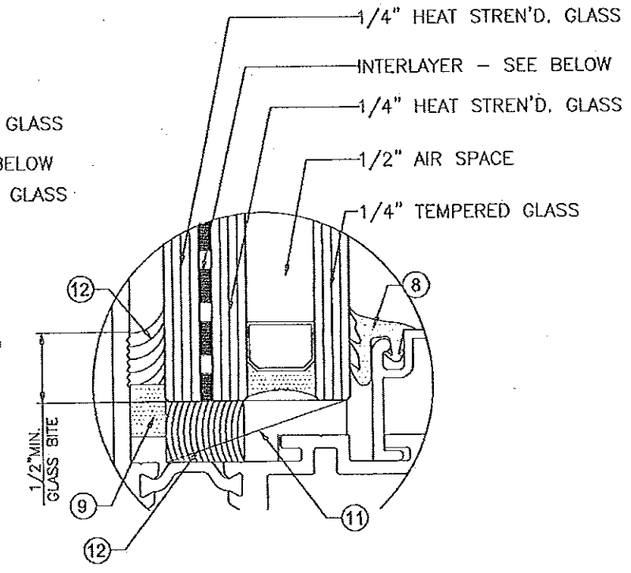
GLASS TYPE "A"

INTERLAYER TYPES

"A1" – .090 SAFLEX CLEAR AND COLOR GLASS INTERLAYERS BY EASTMAN CHEMICAL COMPANY

"A2" – .100 SAFLEX HP CLEAR AND COLOR GLASS INTERLAYERS BY EASTMAN CHEMICAL COMPANY

"A3" – .090 SENTRYGLAS ® INTERLAYER BY DUPONT

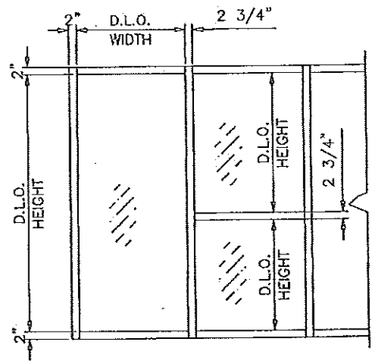


GLASS TYPE "B"

INTERLAYER TYPES

"B1" – .100 SAFLEX HP CLEAR AND COLOR GLASS INTERLAYERS BY EASTMAN CHEMICAL COMPANY

"B2" – .090 SENTRYGLAS ® INTERLAYER BY DUPONT



STEP 2: GLASS LOAD CAPACITY

Trulite
GLASS & ALUMINUM SOLUTIONS™
http://www.trulite.com
800 FAIRWAY DRIVE, Suite 200
DEERFIELD BEACH, FL 33441
p. 800-432-8132 | f. 954-724-2083

PRODUCT:
Resistor
Series 3200
ALUMINUM THERMAL STOREFRONT WALL - LMI

Resistor PRODUCT SERIES

REVN	DATE/REMARKS
Rev. 1	3.14.14 UPDATE TO 2010 FBC

ENGINEER:
MCY ENGINEERING, INC.
GLAZING CONSULTANT
8501 SW 124 Ave. Ste. 205A
MIAMI, FL 33183
P: (305) 271-0117
Email: MCY.Engineering@att.net
www.MCYEngineering.com

STAMP:
YIPING WANG
YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 286033
MAR 14 2014
STATE OF FLORIDA
PROFESSIONAL ENGINEER

PRODUCT CONTROL APPROVAL:

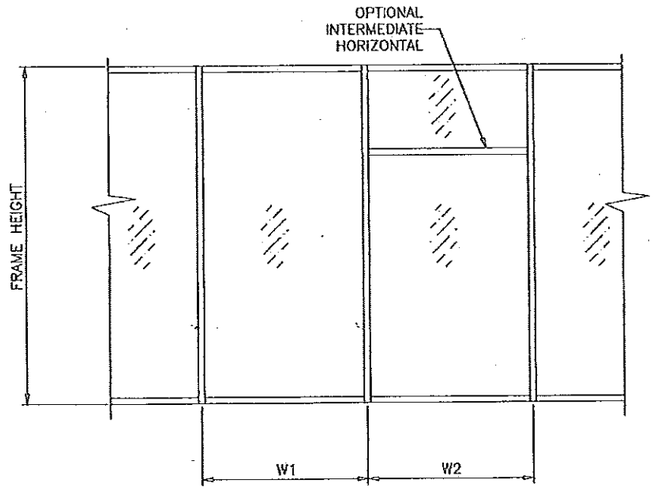
DRAWN: F.C.	DRAWING No:
DATE: 10-11-11	2 OF 8
DWG: AD11-23	

MULLION LOAD CAPACITY – PSF
#3202 MULLION

NOMINAL DIMS.		CASE 1	CASE 2	CASE 3
WIDTH (W)	FRAME HEIGHT	EXT.(+) INT.(–)	EXT.(+) INT.(–)	EXT.(+) INT.(–)
12"	84"	65.0	65.0	65.0
18"		65.0	65.0	65.0
24"		65.0	65.0	65.0
30"		65.0	65.0	65.0
36"		65.0	65.0	65.0
42"		65.0	65.0	65.0
48"		65.0	65.0	65.0
54"		65.0	65.0	65.0
60"		65.0	65.0	65.0
66"		65.0	65.0	65.0
72"		65.0	65.0	65.0
12"	96"	65.0	65.0	65.0
18"		65.0	65.0	65.0
24"		65.0	65.0	65.0
30"		65.0	65.0	65.0
36"		65.0	65.0	65.0
42"		65.0	65.0	65.0
48"		65.0	65.0	65.0
54"		60.0	65.0	65.0
60"		54.0	65.0	65.0
66"		49.0	62.0	65.0
72"		45.0	57.0	65.0

MULLION LOAD CAPACITY – PSF
#3202 MULLION

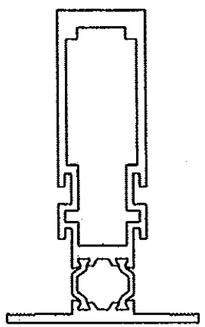
NOMINAL DIMS.		CASE 1	CASE 2	CASE 3
WIDTH (W)	FRAME HEIGHT	EXT.(+) INT.(–)	EXT.(+) INT.(–)	EXT.(+) INT.(–)
12"	108"	65.0	65.0	65.0
18"		65.0	65.0	65.0
24"		65.0	65.0	65.0
30"		65.0	65.0	65.0
36"		63.0	65.0	65.0
42"		54.0	65.0	65.0
48"		48.0	65.0	65.0
54"		42.0	53.0	65.0
60"		38.0	48.0	65.0
66"		35.0	43.0	60.0
12"	120"	40.0	60.0	60.0
18"		40.0	60.0	60.0
24"		40.0	60.0	60.0
30"		40.0	60.0	60.0
36"		40.0	58.0	60.0
42"		40.0	50.0	60.0
48"		35.0	43.0	60.0
54"		31.0	39.0	58.0
60"		28.0	35.0	52.0



$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

TYPICAL ELEVATION

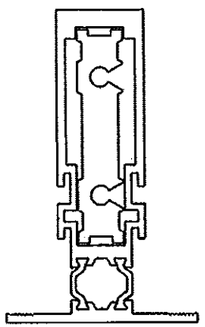
CASE 1



#3202 W/O
REINFORCING

Ix IN^4	Sx IN^3
4.7792	2.0535

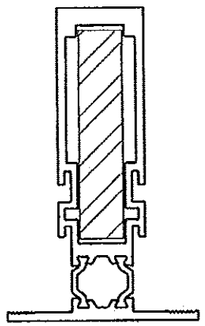
CASE 2



#3202 W/#3204
ALUM. REINFORCING

	Ix IN^4	Sx IN^3
Mullion	4.7792	2.0535
ALUM. REINF.	1.1440	0.7428
TOTAL	5.9232	2.8844

CASE 3



#3202 W/ 5/8" X 3"
STEEL BAR REINFORCING

	Ix IN^4	Sx IN^3
ALUMINUM	4.7792	2.0535
STEEL	1.4063	0.9375
TOTAL	8.8574	–
Ix ALUM+STL X 2.9		

STEP 3: MULLION LOAD CAPACITY

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PRODUCT:
Resistor
Series 3200
ALUMINUM THERMAL
STOREFRONT
WALL - LMI

Resistor
PRODUCT SERIES

REVN	DATE/REMARKS
Rev. 1	3.14.14 UPDATE TO 2010 FBC

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GLAZING CONSULTANT
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Email: MCY.Engineering@att.net
www.MCYEngineering.com

STAMP:
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FLORIDA REGISTRATION
LPE #55983
C.A.N. 28677
No 55983
MAR 14 2014
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

PRODUCT CONTROL APPROVAL:

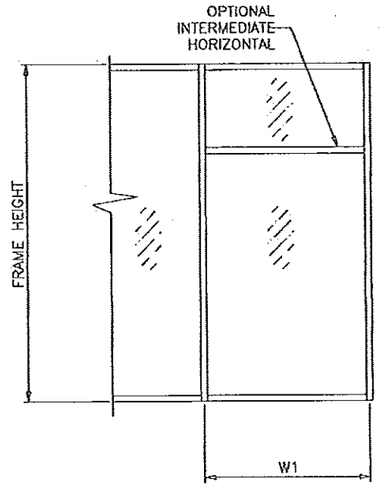
DRAWN: F.C.	DRAWING No:
DATE: 10-11-11	3 OF 8
DWG: AD11-23	

JAMB LOAD CAPACITY – PSF
#3201 JAMB

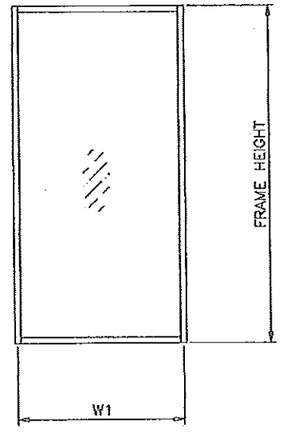
NOMINAL DIMS.		CASE 4	CASE 5	CASE 6
WIDTH (W)	FRAME HEIGHT	EXT.(+) INT.(–)	EXT.(+) INT.(–)	EXT.(+) INT.(–)
12"	84"	65.0	65.0	65.0
18"		65.0	65.0	65.0
24"		65.0	65.0	65.0
30"		65.0	65.0	65.0
36"		65.0	65.0	65.0
42"		65.0	65.0	65.0
48"		65.0	65.0	65.0
54"		65.0	65.0	65.0
60"		65.0	65.0	65.0
66"		65.0	65.0	65.0
72"		65.0	65.0	65.0
12"	96"	65.0	65.0	65.0
18"		65.0	65.0	65.0
24"		65.0	65.0	65.0
30"		65.0	65.0	65.0
36"		65.0	65.0	65.0
42"		65.0	65.0	65.0
48"		65.0	65.0	65.0
54"		65.0	65.0	65.0
60"		65.0	65.0	65.0
66"		65.0	62.0	65.0
72"		65.0	57.0	65.0

JAMB LOAD CAPACITY – PSF
#3201 JAMB

NOMINAL DIMS.		CASE 4	CASE 5	CASE 6
WIDTH (W)	FRAME HEIGHT	EXT.(+) INT.(–)	EXT.(+) INT.(–)	EXT.(+) INT.(–)
12"	108"	65.0	65.0	65.0
18"		65.0	65.0	65.0
24"		65.0	65.0	65.0
30"		65.0	65.0	65.0
36"		65.0	65.0	65.0
42"		65.0	65.0	65.0
48"		65.0	65.0	65.0
54"		65.0	65.0	65.0
60"		65.0	65.0	65.0
66"		60.0	60.0	60.0
12"	120"	60.0	60.0	60.0
18"		60.0	60.0	60.0
24"		60.0	60.0	60.0
30"		60.0	60.0	60.0
36"		60.0	60.0	60.0
42"		60.0	60.0	60.0
48"		60.0	60.0	60.0
54"		58.0	60.0	60.0
60"		52.0	60.0	60.0



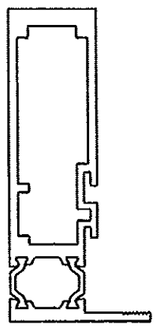
WIDTH (W) = W1 (JAMB)



WIDTH (W) = W1 (JAMB)

TYPICAL ELEVATION

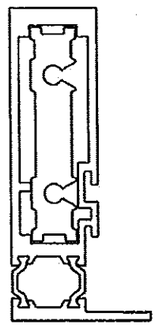
CASE 4



#3201 W/O
REINFORCING

Ix IN^4	Sx IN^3
4.4705	1.9764

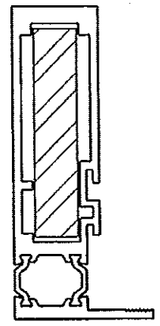
CASE 5



#3201 W/ #3204
ALUM. REINFORCING

	Ix IN^4	Sx IN^3
Mullion	4.4705	1.9764
ALUM. REINF.	1.1440	0.7428
TOTAL	5.6145	2.7192

CASE 6



#3201 W/ 5/8" X 3"
STEEL BAR REINFORCING

	Ix IN^4	Sx IN^3
ALUMINUM	4.4705	1.9764
STEEL	1.4063	0.9375
TOTAL	5.8768	–
Ix ALUM + STL X 2.9		

STEP 3: JAMB LOAD CAPACITY

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PRODUCT:
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Series 3200
ALUMINUM THERMAL
STOREFRONT
WALL - LMI
Resistor
PRODUCT SERIES

REVN	DATE/REMARKS
Rev. 1	3.14.14 UPDATE TO 2010 FBC

ENGINEER:
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GLAZING CONSULTANT
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FLORIDA REGISTRATION
PE #55983
CA#N. 28673
MAR 14 2014

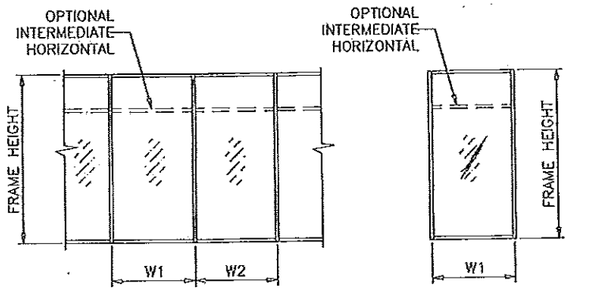
PRODUCT CONTROL APPROVAL:

DRAWN: F.C.
DATE: 10-11-11
DWG: AD11-23

DRAWING No:
4 OF 8

NOMINAL DIMENSIONS		ANCHOR TYPES		
MULLION WIDTH	FRAME HEIGHT	"A2"	"B2"	"C2"
		CAPACITIES (LBS)		
(in.)	(in.)	1004	1332	1916
		DESIGN LOAD CAPACITY (PSF)		
36"	84"	65.0	65.0	65.0
42"		65.0	65.0	65.0
48"		65.0	65.0	65.0
54"		63.7	65.0	65.0
60"		57.4	65.0	65.0
66"		52.2	65.0	65.0
72"		47.8	63.5	65.0
36"	96"	65.0	65.0	65.0
42"		65.0	65.0	65.0
48"		62.8	65.0	65.0
54"		55.8	65.0	65.0
60"		50.2	65.0	65.0
66"		45.6	60.6	65.0
72"		41.8	55.5	65.0
36"	108"	65.0	65.0	65.0
42"		63.7	65.0	65.0
48"		55.8	65.0	65.0
54"		49.6	65.0	65.0
60"		44.6	59.2	65.0
66"		40.6	53.8	65.0
36"	120"	65.0	65.0	65.0
42"		57.4	65.0	65.0
48"		50.2	65.0	65.0
54"		44.6	59.2	65.0
60"		40.2	53.3	65.0

NOMINAL DIMENSIONS		ANCHOR TYPES		
MULLION WIDTH	FRAME HEIGHT	"A3"	"B3"	"C3"
		CAPACITIES (LBS)		
(in.)	(in.)	1506	1999	2874
		DESIGN LOAD CAPACITY (PSF)		
36"	84"	65.0	65.0	65.0
42"		65.0	65.0	65.0
48"		65.0	65.0	65.0
54"		65.0	65.0	65.0
60"		65.0	65.0	65.0
66"		65.0	65.0	65.0
72"		65.0	65.0	65.0
36"	96"	65.0	65.0	65.0
42"		65.0	65.0	65.0
48"		65.0	65.0	65.0
54"		65.0	65.0	65.0
60"		65.0	65.0	65.0
66"		65.0	65.0	65.0
72"		62.8	65.0	65.0
36"	108"	65.0	65.0	65.0
42"		65.0	65.0	65.0
48"		65.0	65.0	65.0
54"		65.0	65.0	65.0
60"		65.0	65.0	65.0
66"		60.8	65.0	65.0
36"	120"	65.0	65.0	65.0
42"		65.0	65.0	65.0
48"		65.0	65.0	65.0
54"		65.0	65.0	65.0
60"		60.2	65.0	65.0

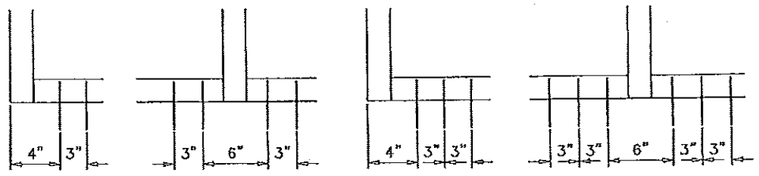


ANCHORS TYPES: SEE SHEET 6 FOR DESCRIPTION

"A2" – (2) ANCHORS TYPE 'A' AT EA. SIDE OF MULLION OR JAMB
"B2" – (2) ANCHORS TYPE 'B' AT EA. SIDE OF MULLION OR JAMB
"C2" – (2) ANCHORS TYPE 'C' AT EA. SIDE OF MULLION OR JAMB
"A3" – (3) ANCHORS TYPE 'A' AT EA. SIDE OF MULLION OR JAMB
"B3" – (3) ANCHORS TYPE 'B' AT EA. SIDE OF MULLION OR JAMB
"C3" – (3) ANCHORS TYPE 'C' AT EA. SIDE OF MULLION OR JAMB

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

TYPICAL ANCHOR CLUSTERS
(HEAD AND SILL)



A2, B2, C2 A3, B3, C3

STEP 4:ANCHOR LOAD CAPACITY

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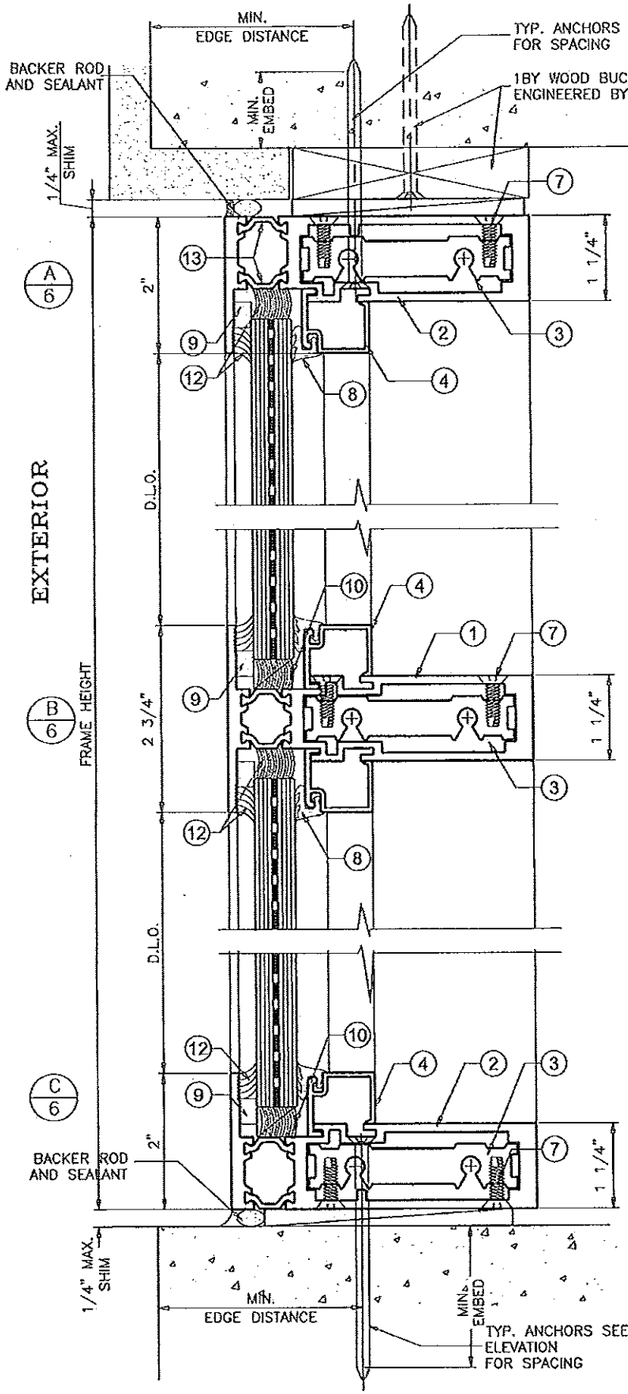
DWG: AD11-23	



WOOD BUCKS NOT BY TRULITE. MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS:

SEE ELEVATIONS FOR SPACING

TYPE 'A' 1/4" DIA. TAPCON BY 'ITW' (fu=120 KSI, fy=92 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-3/8" MIN. PENETRATION INTO WOOD.

THRU WOOD BUCKS INTO CONCRETE.
1-1/4" MIN. EMBED INTO CONCRETE.

TYPE 'B' 1/4" DIA. TAPCON BY 'ITW' (fu=120 KSI, fy=92 KSI)
DIRECTLY INTO CONC.

1-1/2" MIN. EMBED INTO CONC.

TYPE 'C' #14 SMS OR SELF DRILLING SCREWS
INTO MIAMI-DADE COUNTY APPROVED MULLIONS
(1/8" THK. MIN.) INTO METAL STRUCTURE.

STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

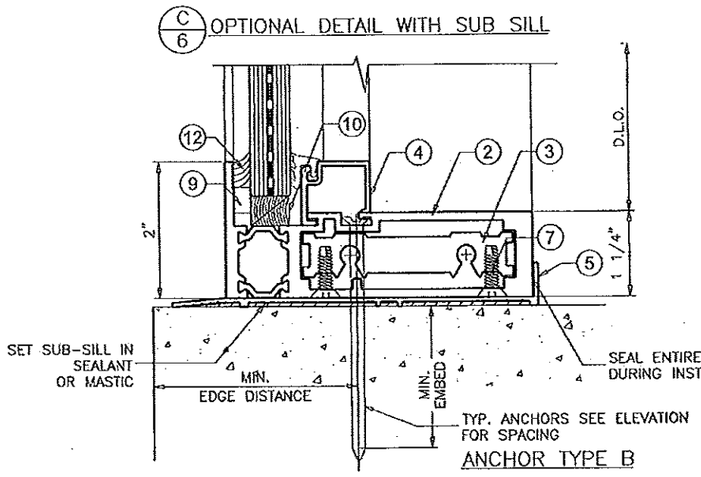
TYPICAL EDGE DISTANCE

- INTO CONCRETE AND MASONRY = 2-1/2" MIN.
- INTO WOOD STRUCTURE = 1" MIN.
- INTO METAL STRUCTURE = 3/4" MIN.

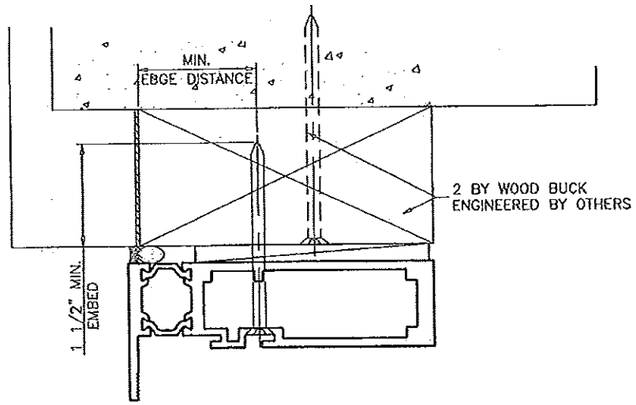
CONCRETE f'c = 3000 PSI MIN.
C-90 HOLLOW/FLLED BLOCK f'm = 2000 PSI MIN.

SEALANTS:

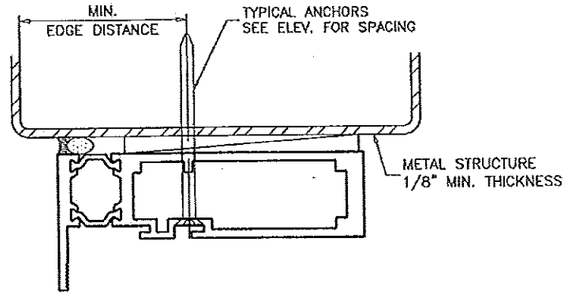
GLAZING BEAD AT FRAME SILL SEALED TO GLASS WITH DOW CORNING 995. FRAME CORNERS SEALED WITH DOW CORNING 999 OR EQUAL COMPATIBLE.



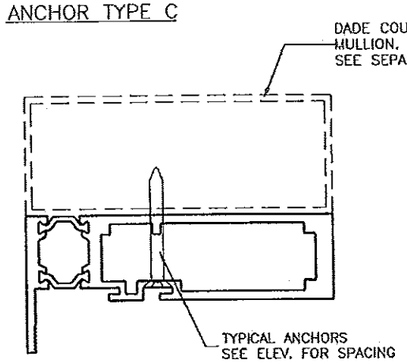
ANCHOR TYPE B



ANCHOR TYPE A



ANCHOR TYPE C



ANCHOR TYPE C

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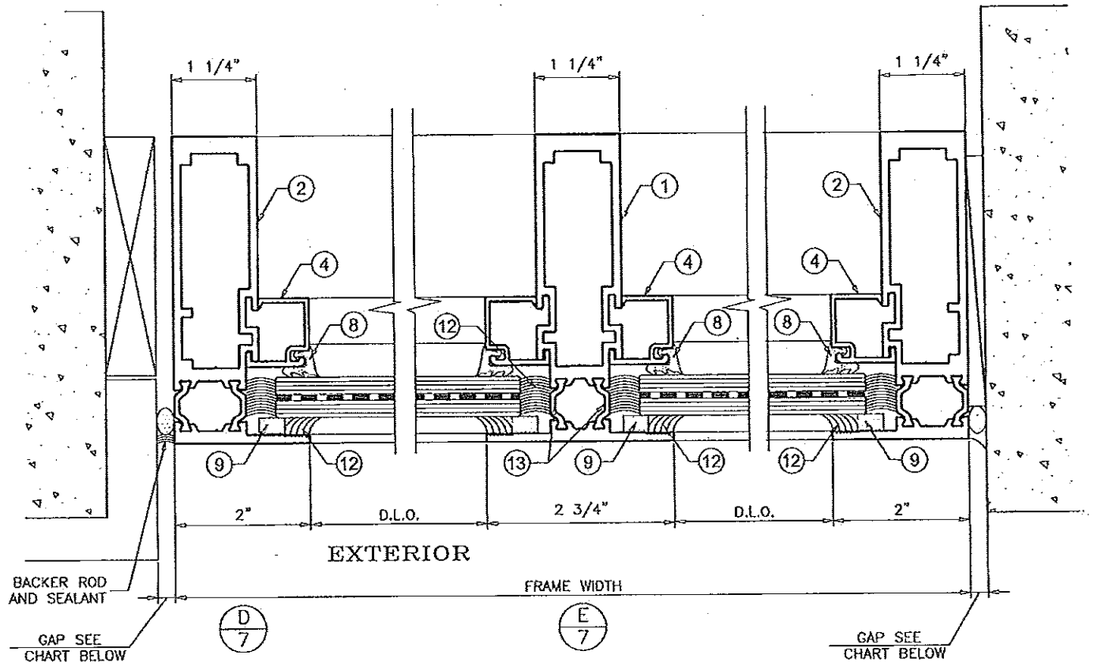

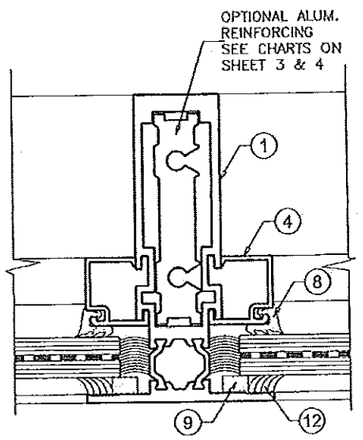

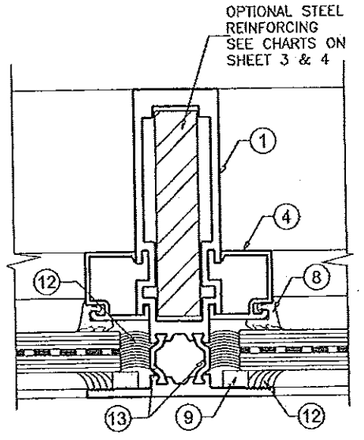

MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
84"	1/4"	3/4"
96"	3/8"	3/4"
108"	3/8"	3/4"
120"	1/2"	3/4"

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	3202	AS REQD.	MULLION / INTERMEDIATE	6063-T6	TRULITE
2	3201	AS REQD.	HEAD / SILL / JAMB	6063-T6	TRULITE
3	3204	AS REQD.	SHEAR BLOCK / REINFORCING	6063-T6	TRULITE
4	3003	AS REQD.	GLASS STOP	6063-T6	TRULITE
5	4016	AS REQD.	OPTIONAL SUB-SILL	6063-T6	TRULITE
6	P13	2/SHEAR BLOCK	1/4-20 X 1-1/2" PHMS TYPE 23	STEEL	-
7	S14	2/SHEAR BLOCK	#12-24 X 3/4" FHPMS TYPE 23	STEEL	-
8	H63	AS REQD.	WEDGE-IN GASKET	EPDM	-
9	V2100	AS REQD.	GLAZING FOAM TAPE	3/8" X 1/4" FOAM	NORTON
10	H62G	2/ LITE	SETTING BLOCK (9/16" GLASS)	7/16" X 9/16" X 4"	-
11	H62J	2/ LITE	SETTING BLOCK (1 5/16" GLASS)	7/16" X 1 5/16" X 4"	-
12	995	AS REQD.	GLAZING SEALANT		DOW CORNING
13	-	AS REQD.	THERMAL ISOLATOR	POLYAMIDE	TECHNOFORM

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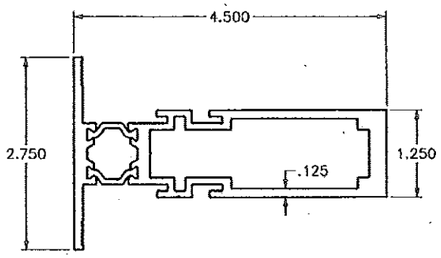
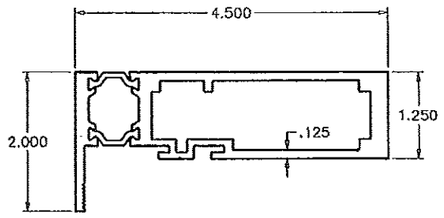
7 OF 8

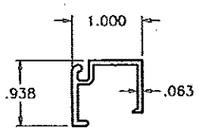


(1) 3202 – INTERMEDIATE VERTICAL/HORIZONTAL

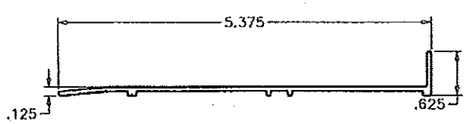


(2) 3201 – FRAME HEAD/SILL/JAMB

(3) 3204 – SHEAR BLOCK / MULLION REINFORCING



(4) 3003 – GLASS STOP



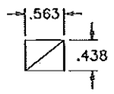
(5) 4016 – OPTIONAL SUB-SILL

(6) P13 – FAB SCREW, SHEAR BLOCK TO FRAME

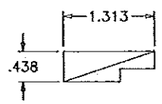
(7) S14 – FAB SCREW, FRAME TO SHEAR BLOCK

(8) H-63 EPDM GLAZING GASKET

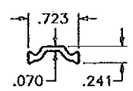
(9) V2100 GLAZING TAPE



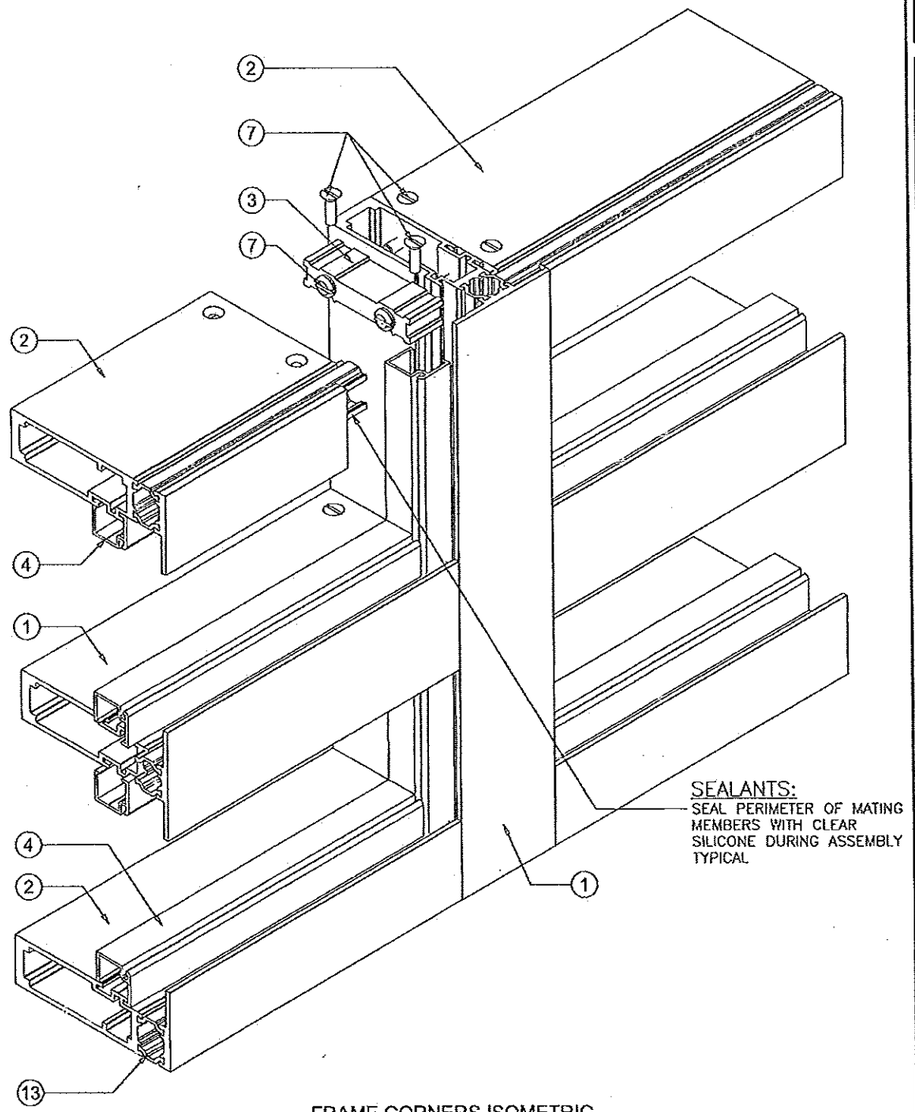
(10) H62G – SETTING BLOCK FOR 9/16" GLASS



(11) H62J – SETTING BLOCK FOR 1 5/16" GLASS



(13) POLYAMIDE THERMAL ISOLATOR



FRAME CORNERS ISOMETRIC

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