



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

Aldora Aluminum & Glass Products, Inc.
11500 Miramar Parkway, Suite 300
Miramar, FL 33025

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 "SMI-090" Aluminum Window Wall System - L.M.I.

APPROVAL DOCUMENT: Drawing No. **W09-24**, titled "Series SMI-090 Alum Window Wall (L.M.I.)", sheets 1, 1.1, 2, 2.1, 2.2, 3 through 12, 12.1, 13, 13.1 and 13.2 of 13, dated 04/16/09, with revision **F** dated 08/21/17, 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, **MIRAMAR, FL, POMPANO BEACH, FL, ORLANDO, FL, CHARLESTON, SC** and **CHARLOTTE, NC**, 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 **NOA# 15-0120.01** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

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



Handwritten signature and date: 11/02/17

NOA No. 17-0201.03
Expiration Date: May 12, 2020
Approval Date: November 09, 2017
Page 1

Aldora Aluminum & Glass Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA's #10-0401.03 and #13-1224.03)
2. Drawing No **W09-24**, titled "Series SMI-090 Alum Window Wall (L.M.I.)", sheets 1, through 13, 13.1 and 13.2 of 13, dated 04/16/09, with revision D dated 03/05/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7336**, dated 05/22/13, signed and sealed by Jorge A. Naya, P.E.
(Submitted under NOA #13-1224.03)
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 (b) and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5746** dated 01/27/09, signed and sealed by Carlos S. Rionda, P.E.
(Submitted under NOA #10-0128.03)

CALCULATIONS:

1. Anchor verification calculations and structural analysis, complying with FBC, dated 08/15/13, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with **ASTM E1300-04/09**.

D. QUALITY ASSURANCE

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


Manuel Perez, P.E.
Product Control Examiner
NOA No. 17-0201.03
Expiration Date: May 12, 2020
Approval Date: November 09, 2017

Aldora Aluminum & Glass Products, Inc.

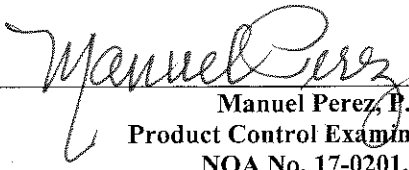
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0423.16** issued to **Eastman Chemical Company (MA)** for their “**Saflex HP Clear or Color Glass Interlayers**” dated 06/19/14, expiring on 04/14/18.
2. Notice of Acceptance No. **13-1126.20** issued to **Allnex USA, Inc.** for their “**Uvekol S Laminated Glass Interlayer**”, dated 02/20/14, expiring on 02/08/19.

F. STATEMENTS

1. Department of State Certification of **ALDORA ALUMINUM & GLASS PRODUCTS, INC.** as a foreign profit corporation, active and organized under the laws of the State of Florida, dated March 10, 2015 and filed by the Secretary of State.
2. Statement letter of conformance to, of complying with **FBC 5th Edition (2014)**, and of no financial interest, dated 04/03/14, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No. 13-1224.03)
3. Statement letter dated 08/21/13, issued by Aldora Aluminum & Glass Products, Inc. of legally purchase of asset and rights of **NOA No. 12-0731.06** from Pande Pane, LLC dba SMI Aluminum System, LLC and requesting that said NOA be issued under their name, signed by Manny Valladares, for and on behalf of Aldora Aluminum & Glass Products, Inc.
(Submitted under NOA No. 13-1224.03)
4. Letter from owners of existing NOA stating that they have sold all assets to the applicant, that they no longer manufacture the product and relinquish their rights to the current **NOA No. 12-0731.06**, dated 08/21/13, signed by Mr. Manny Valladares, for and on behalf of Pande Pane, LLC dba SMI Aluminum Systems, LLC.
(Submitted under NOA No. 13-1224.03)
5. Assignment & Assumption agreement dated July 26, 2013 between Aldora Holdings LLC, SMI Aluminum Systems, LLC, Architectural Glass Products, LLC (each an “Assignor” and collectively, the “Assignors”) and Aldora Holdco, Inc. (the “Assignee”) signed by Leon Silverstein, Aldora Holdings LLC manager; Leon Silverstein, SMI Aluminum Systems, LLC, manager; Leon Silverstein, Architectural Glass Products, LLC manager and Scott Hauncher, VP Aldora Holdco, Inc.
(Submitted under NOA No. 13-1224.03)
6. Bill of Sale dated July 26, 2013, delivered by Aldora Holdco, Inc. transferring assets to Aldora Aluminum & Glass Products, Inc., signed by Mr. Scott Hauncher, Vice President, Aldora Holdco, Inc.
(Submitted under NOA No. 13-1224.03)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 17-0201.03
Expiration Date: May 12, 2020
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Aldora Aluminum & Glass Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

7. Department of State Certification of **ALDORA ALUMINUM & GLASS PRODUCTS, INC.** as a foreign profit corporation, active and organized under the laws of the State of Delaware, dated July 18, 2013 and signed by Jeffrey W. Bullock, Secretary of State.
(Submitted under NOA No. 13-1224.03)
8. Department of State Certification of **ALDORA ALUMINUM & GLASS PRODUCTS, INC.** as a foreign profit corporation, active and organized under the laws of the State of Florida, dated July 20, 2013 and signed by T. Burgh, Secretary of State.
(Submitted under NOA No. 13-1224.03)
9. Laboratory compliance letter for Test Report No. **FTL-7336**, issued by Fenestration Testing Laboratory, Inc., dated 05/22/13, signed and sealed by Jorge A. Naya, P.E.
(Submitted under NOA No. 13-1224.03)
10. Laboratory compliance letter for Test Report No. **FTL-5746**, issued by Fenestration Testing Laboratory, Inc., dated 01/27/09, signed and sealed by Carlos S. Rionda P.E.
(Submitted under NOA No. 10-0128.03)
11. Proposal No. **08-0557** issued by the Product Control, dated 06/18/08, signed by Manuel Perez, P.E.
(Submitted under NOA No. 10-0128.03)

G. OTHERS

1. Notice of Acceptance No. **13-1224.03**, issued to Aldora Aluminum & Glass Products, Inc. for their Series "SMI-090" Aluminum Window Wall System – L.M.I., approved on 04/17/14 and expiring on 06/02/15.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 17-0201.03
Expiration Date: May 12, 2020
Approval Date: November 09, 2017

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W09-24**, titled "Series SMI-090 Alum Window Wall (L.M.I.)", sheets 1, 1.1, 2, 2.1, 2.2, 3 through 12, 12.1, 13, 13.1 and 13.2 of 13, dated 04/16/09, with revision **F** dated 08/21/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on: 1) Drop Load Test, (class A) per ANSI Z97.1 and per FBC (HVHZ), sections 1618.4.6.3 and 2411
2) Safety Performance Test, per CPCS 16 CFR 1201 (Cat 11) and per FBC (HVHZ), sections 1618.4.6.3 and 2411
along with marked-up drawings and installation diagram of a window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8812**, dated 02/16/16, signed and sealed by Idalmis Ortega, P.E.
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
along with marked-up drawings and installation diagram of a window wall system, prepared by Blackwater Testing, Inc., Test Report No. **BT-ALD-15-002**, dated 06/25/15, signed and sealed by Yamil Gerardo Kuri, P. E.
3. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a window wall system, prepared by Blackwater Testing, Inc., Test Report No. **BT-ALD-15-004**, dated 03/25/15, signed and sealed by Yamil Gerardo Kuri, P.E.
4. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-7857** dated 07/17/14, and **FTL-7885**, dated 03/27/15, both signed and sealed by Idalmis Ortega, P.E.
5. Test reports on: 1) Uniform Static Air Pressure Test Loading per FBC, TAS 202-94
along with marked-up drawings and installation diagram of a window wall system, prepared by Architectural Testing, Inc., Test Report No. **ATI-D5598.01-450-18**, dated 08/05/14, signed and sealed by Shawn G. Collins, P.E.


Manuel Perez P.E.
Product Control Examiner
NOA No. 17-0201.03
Expiration Date: May 12, 2020
Approval Date: November 09, 2017

Aldora Aluminum & Glass Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 01/26/17 and with **FBC 6th Edition (2017)**, dated 10/17/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
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. **17-0712.04** issued to **Eastman Chemical Company (MA)** for their "**Saflex HP Clear or Color Glass Interlayers**" dated 09/07/17, expiring on 04/14/18.
2. Notice of Acceptance No. **13-1126. 20** issued to **Allnex USA, Inc.** for their "**Uvekol S Laminated Glass Interlayer**", dated 02/20/14, expiring on 02/08/19.
3. 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.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 5th Edition (2014)** and with **FBC 6th Edition (2017)**, and of no financial interest, dated September 28, 2017, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Laboratory compliance letter for Test Reports No. **FTL-8812**, dated 02/16/16, **FTL-7885**, dated 03/27/15 and **FTL-7857**, dated 07/17/14, all issued by Fenestration Testing Laboratory, Inc., all signed and sealed by Idalmis Ortega, P.E.
3. Laboratory compliance letter for Test Reports No. **BT-ALD-15-002**, dated 06/25/15 and **BT-ALD-15-004**, dated 03/25/15, both issued by Blackwater Testing, Inc., both signed and sealed by Yamil Gerardo Kuri, P.E.
4. Laboratory compliance letter for Test Report No. **ATI-D5598.01-450-18**, issued by Architectural Testing, Inc., dated 08/05/14, signed and sealed by Shawn G. Collins, P.E.

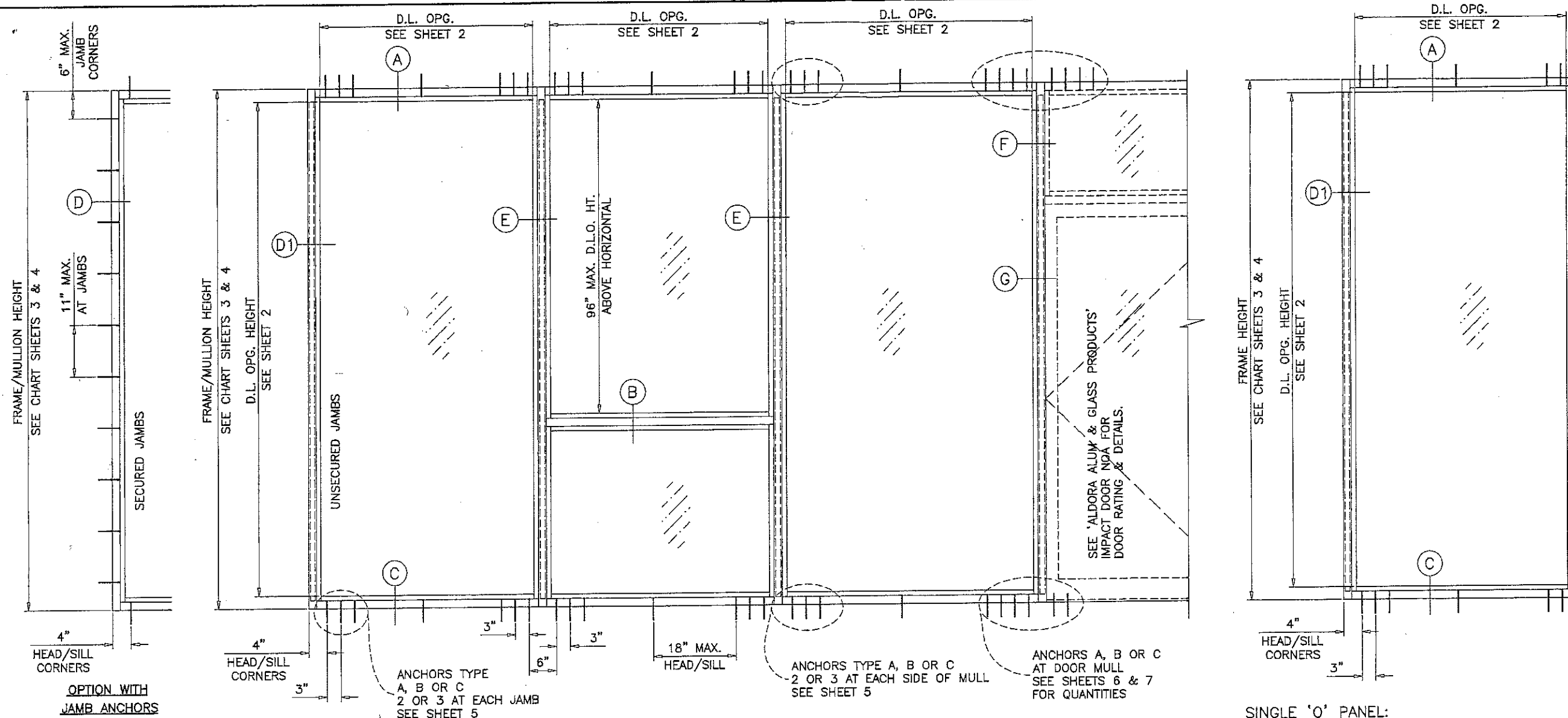
G. OTHERS

1. Notice of Acceptance No. **15-0120.01**, issued to Aldora Aluminum & Glass Products, Inc. for their Series "**SMI-090**" Aluminum Window Wall System – L.M.I., approved on 04/02/15 and expiring on 05/12/20.



Manuel Perez, P.E.
Product Control Examiner
NOA No. **17-0201.03**

Expiration Date: May 12, 2020
Approval Date: November 09, 2017



SERIES SMI-090 ALUMINUM WINDOW WALL

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH MIAMI-DADE COUNTY APPR'D LARGE MISSILE IMPACT RESISTANT DOORS. LOWER DESIGN PRESSURE FROM STOREFRONT OR DOOR APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2014 (5TH EDITION)/2017 (6TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

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 2014/2017 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, I.E. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

TYPICAL ELEVATIONS

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEET 2 THRU 2.3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 3 & 4 FOR STOREFRONT MULLION AND SHEET 6 & 7 FOR DOOR MULLION. 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.

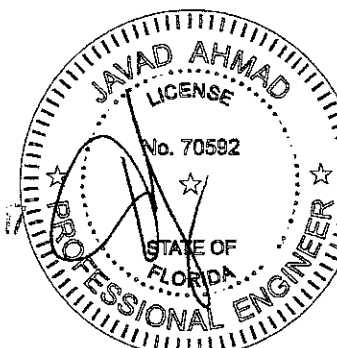
PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1. WITH 9/16" LAMINATED GLASS WITH .10" UVEKOL S INTERLAYER AND MAX. D.L.O. DIMENSIONS OF 30-1/4" X 70-1/2"

THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **17-0201.03**

Expiration Date **05/12/2020**

By *Manuel Ruiz*
Miami-Dade Product Control



SINGLE 'O' PANEL:

FRAME WIDTH = D.L.O. WIDTH + 5.500"
FRAME HEIGHT = D.L.O. HEIGHT + 5.500"
FOR ANCHORED JAMBS MAX. SIZES USE GLASS CHART ON SHEET 2.
FOR UNANCHORED JAMB FRAME USE CHARTS ON SHEETS 3 & 4.

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W09-24SM

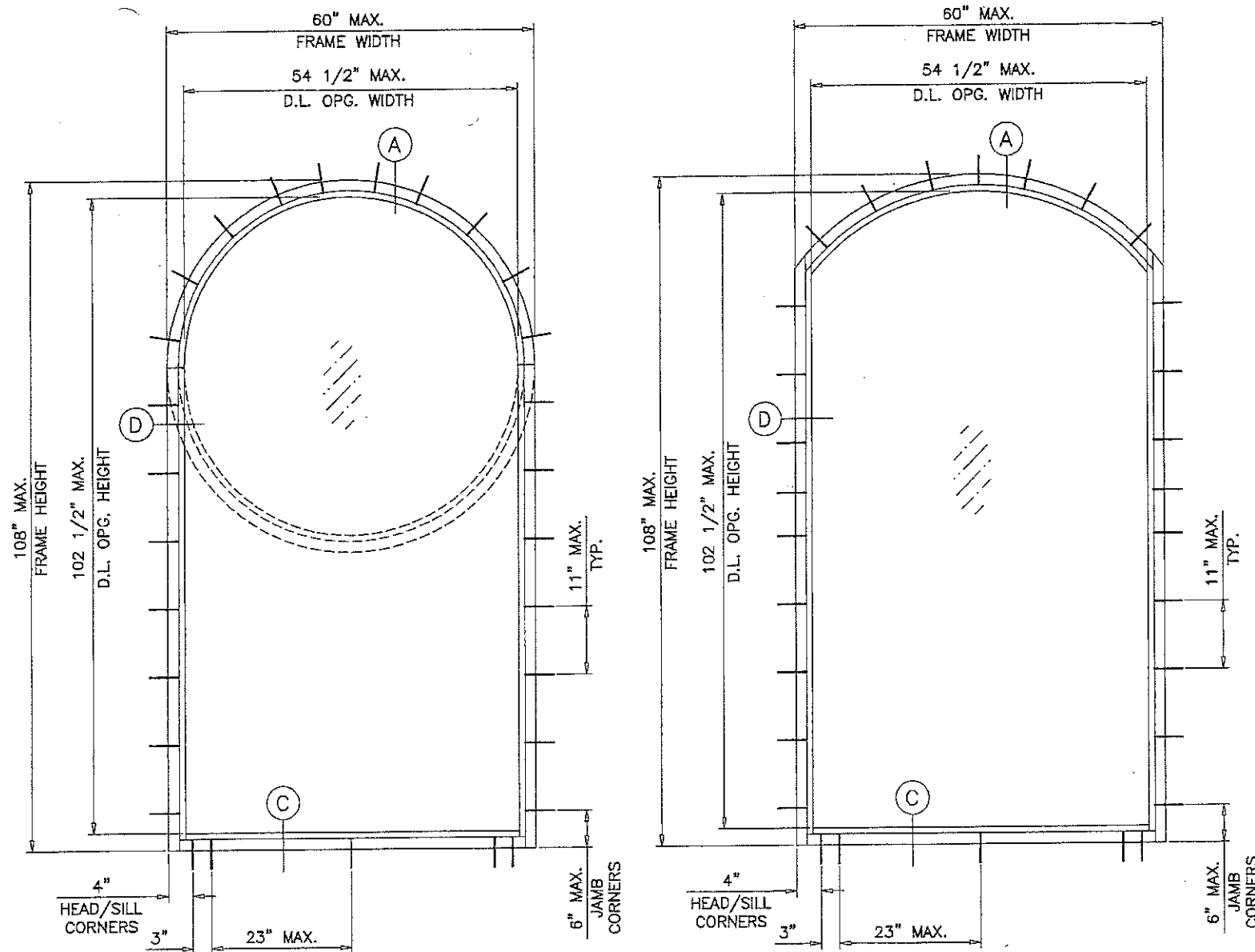
SERIES SMI-090 ALUM WINDOW WALL (L.M.I.)
Aldora Aluminum & Glass Products Inc.
11500 MIRAMAR PARKWAY SUITE 300
MIRAMAR, FL. 33025
TEL. (305) 888-6288 FAX. (305) 888-6289

no	date	by	description
C	08.12.13	MANUF. NAME REV.	NO CHANGE THIS SHEET
D	03.05.14	GENERAL REVISION	
E	01.11.17	REV. PER PER COMMENTS	
F	08.21.17		

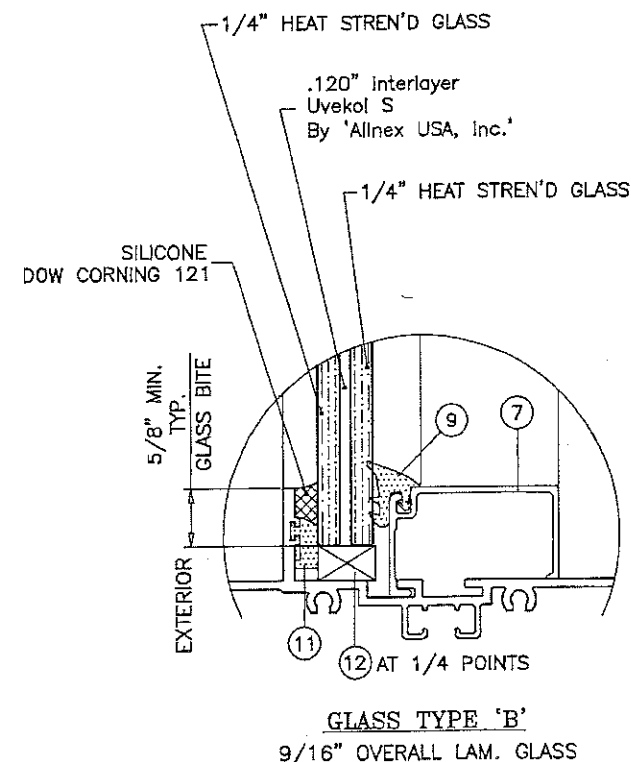
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dr. by: TARIQ
chk. by:

drawing no.
W09-24

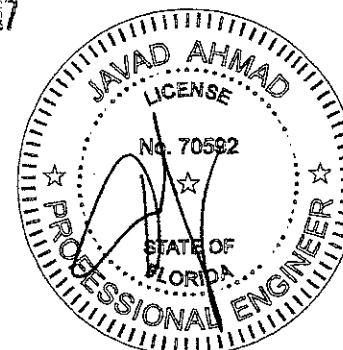
sheet 1 of 13



GLASS TYPE 'B'
 MAXIMUM DESIGN LOAD RATING = + 80.0 PSF
 (FOR SHAPES AND SIZE - 100.0 PSF
 SHOWN ON THIS SHEET ONLY)



PRODUCT REVISED
 as complying with the Florida
 Building Code
 NOA-No. 17-0201.03
 Expiration Date 05/12/2020
 By *Manner Perry*
 Miami-Dade Product Control



afC
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3638)
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W09-24SM

SERIES SMI-090 ALUM WINDOW WALL (L.M.I.)
 Aldora Aluminum & Glass Products Inc.
 11500 MIRAMAR PARKWAY SUITE 300
 MIRAMAR, FL. 33025
 TEL. (305) 888-6288 FAX. (305) 888-6289

revisions:	
no	date by description
E	01.11.17 GENERAL REVISION
F	08.21.17 REV. PER RER COMMENTS

date:	04-16-09
scale:	1/2"=1'-0"
dr. by:	TARIQ
chk. by:	

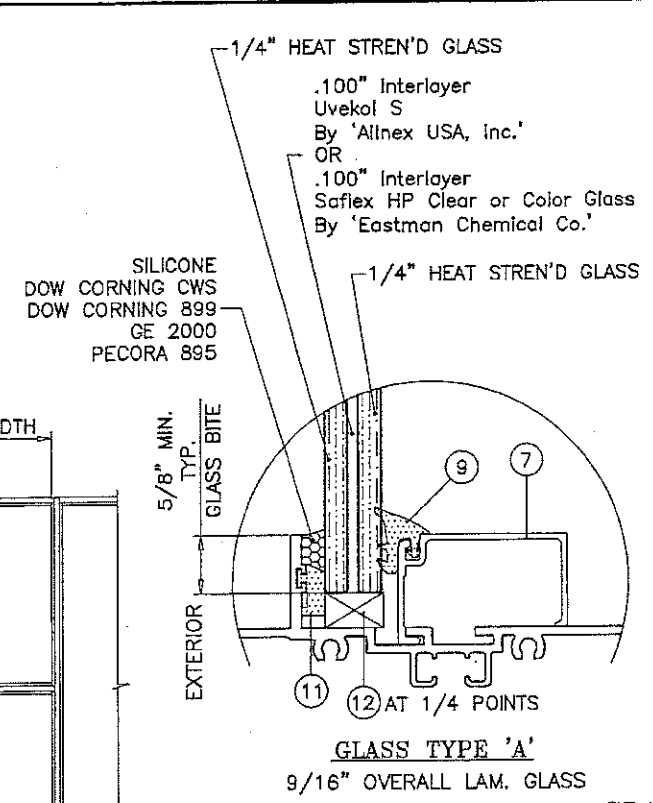
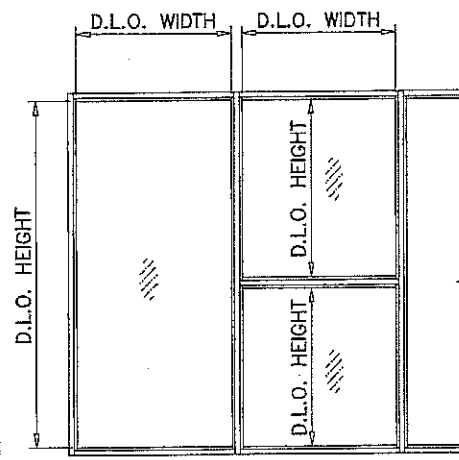
drawing no.
W09-24
 sheet 1.1 of 13

05/17/2017

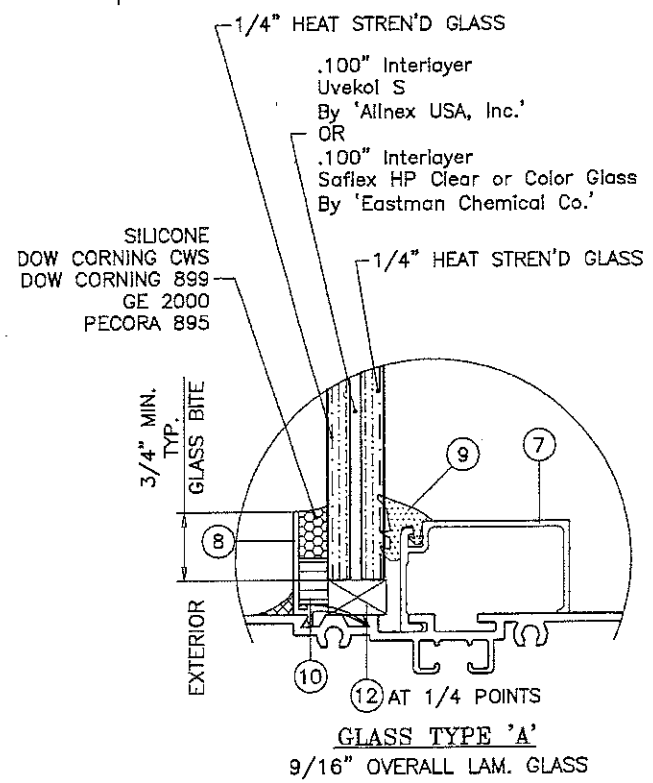
GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.		GLASS TYPES
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
30"	66-1/2"	90.0
36"		90.0
42"		90.0
48"		90.0
54"		90.0
60"		90.0
66-1/2"		90.0
30"	72-1/2"	90.0
36"		90.0
42"		90.0
48"		90.0
54"		90.0
60"		90.0
66"		90.0
30"	78-1/2"	90.0
36"		90.0
42"		90.0
48"		90.0
54"		90.0
60"		90.0
66"		90.0
30"	84-1/2"	90.0
36"		90.0
42"		90.0
48"		90.0
54"		90.0
60"		90.0
66"		90.0
30"	90-1/2"	90.0
36"		90.0
42"		90.0
48"		90.0
54"		90.0
60"		90.0
66"		90.0
30"	96-1/2"	90.0
36"		90.0
42"		90.0
48"		90.0
54"		90.0
60"		90.0
66"		90.0
30"	102-1/2"	90.0
36"		90.0
42"		90.0
48"		90.0
54"		90.0
60"		90.0
66"		90.0
30"	108"	90.0
36"		90.0
42"		90.0
48"		90.0
54"		90.0
60"		90.0
66"		90.0
30"	114"	90.0
36"		90.0
42"		90.0
48"		90.0
54"		90.0
60"		90.0
66"		90.0
30"	114-1/2"	90.0
36"		90.0
42"		90.0
48"		90.0
54"		90.0
60"		90.0
66"		90.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS).



GLAZING OPTIONS

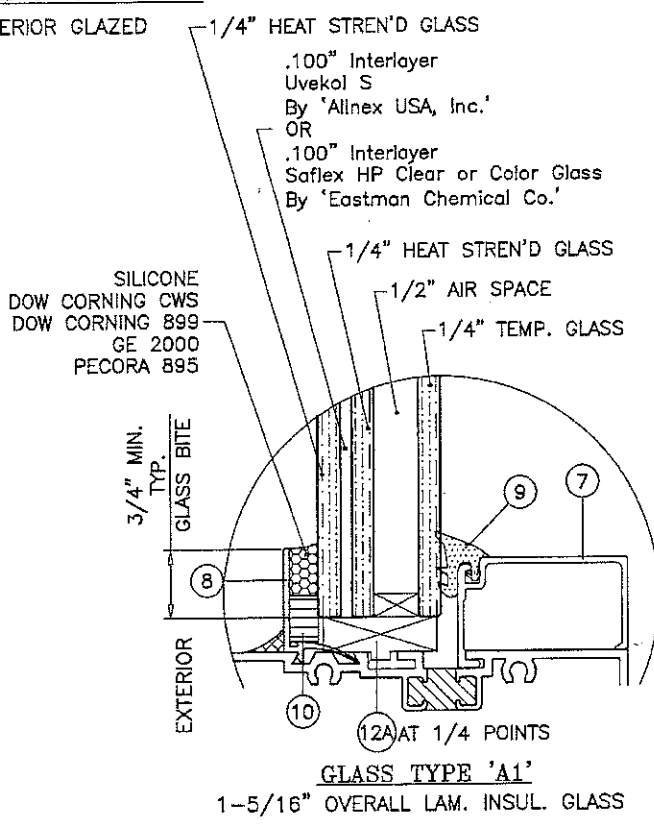
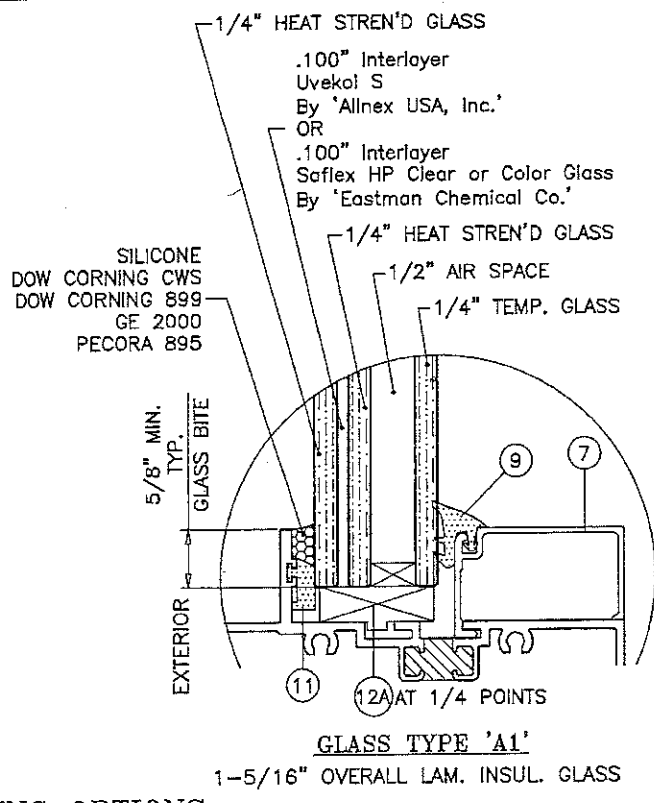


GLAZING OPTIONS

EXTERIOR GLAZED

NOTE:
WINDOW WALL FRAMES AT INSULATED GLASS OPTION
MAY BE WITH OR WITHOUT THERMAL BREAK.

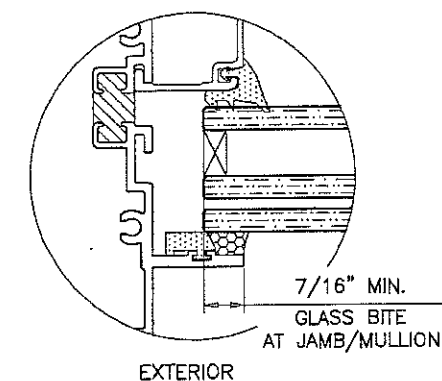
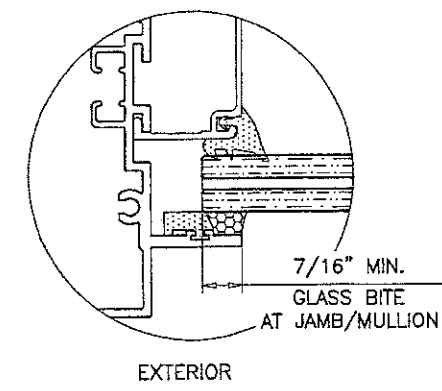
GLASS



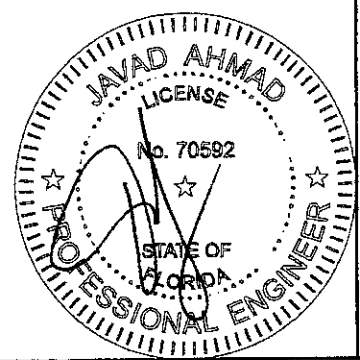
GLAZING OPTIONS

EXTERIOR GLAZED

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 17-0201.03
Expiration Date 05/12/2020
By *Mamud B...*
Miami-Dade Product Control



1/2" AIR SPACE CONSISTING OF:
SPACER:
'PROFIGLASS' ALUMINUM SPACER
BY 'RAMAPO USA'
PERIMETER SEALANT:
SILICONE
DOW CORNING CWS
DOW CORNING 899
GE 2000
PECORA 895



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W09-24SM

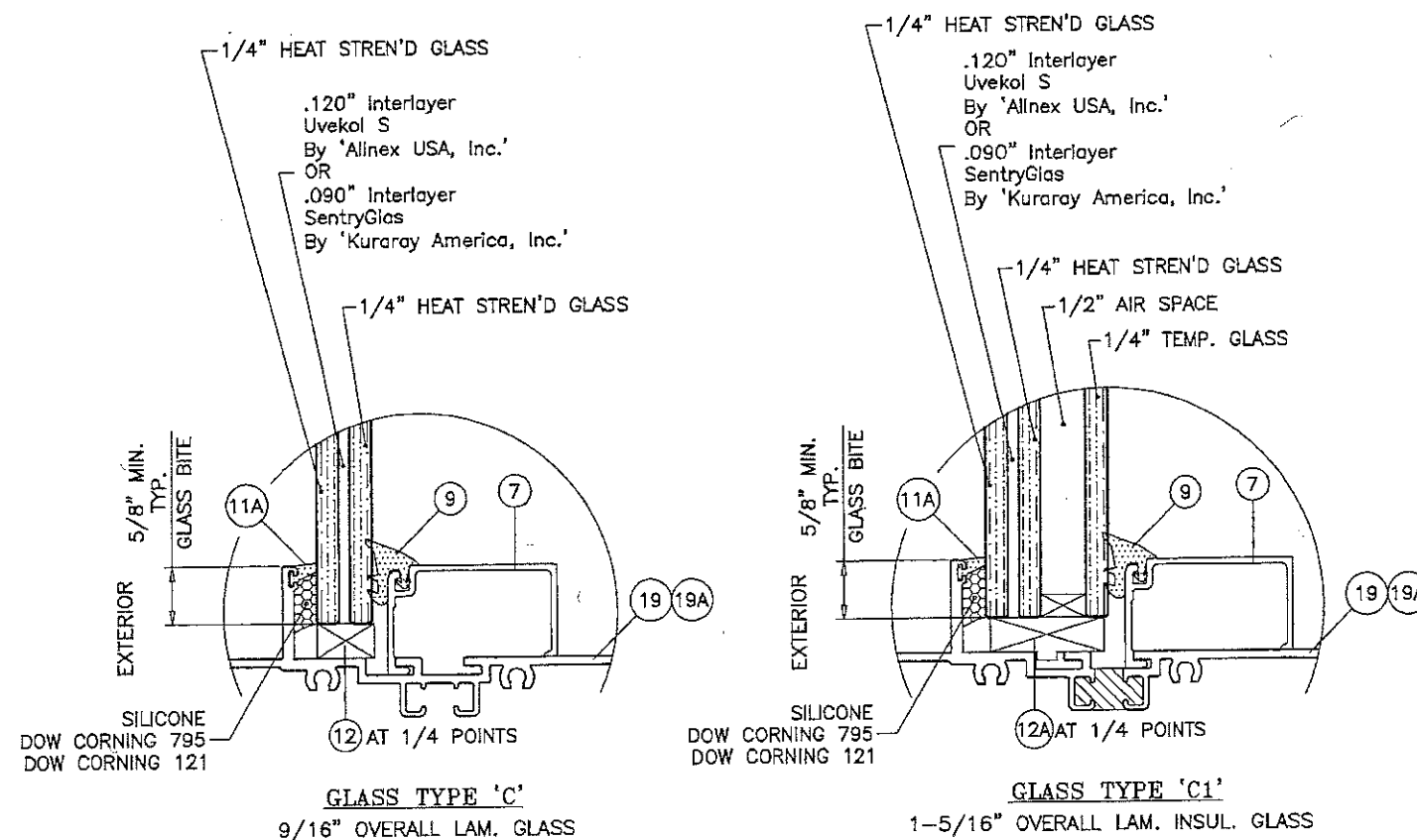
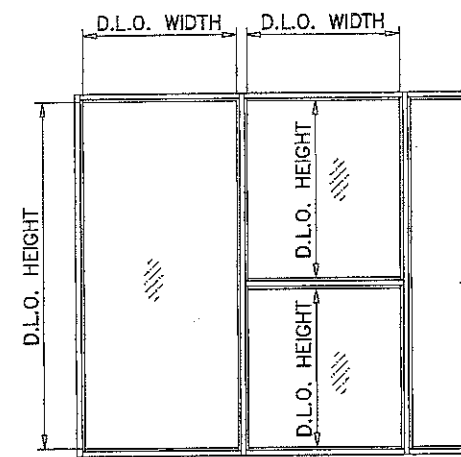
SERIES SMI-090 ALUM WINDOW WALL (L.M.I.)
Aldora Aluminum & Glass Products Inc.
11500 MIRAMAR PARKWAY SUITE 300
MIRAMAR, FL. 33025
TEL. (305) 888-6288 FAX. (305) 888-6289

no.	date	description	by
C	08.12.13	MANUF. NAME REV.	
D	03.05.14	REV. PER PER COMMENTS	
E	01.11.17	GENERAL REVISION	
F	08.21.17	REV. PER PER COMMENTS	

date: 04-16-09
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:
drawing no. W09-24
sheet 2 of 13

GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.		GLASS TYPES
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
30"	66-1/2"	80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
60"		80.0
66-1/2"		80.0
30"	72-1/2"	80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
60"		80.0
66"		80.0
30"	78-1/2"	80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
60"		80.0
66"		80.0
30"	84-1/2"	80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
60"		80.0
66"		80.0
30"	90-1/2"	80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
60"		80.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



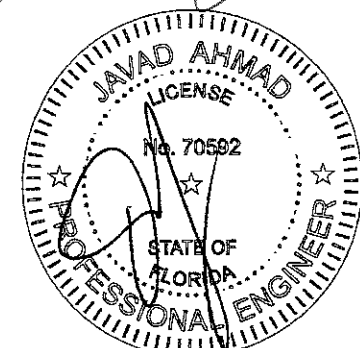
GLAZING OPTIONS
INTERIOR GLAZED

1/2" AIR SPACE CONSISTING OF:
SPACER:
'PROFIGLASS' ALUMINUM SPACER
BY 'RAMAPO USA'
PERIMETER SEALANT:
SILICONE
DOW CORNING CWS
DOW CORNING 899
GE 2000
PECORA 895

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 17-0201.03

Expiration Date 05/12/2020

By *Manuel Perez*
Miami-Dade Product Control



OCT 17 2017

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS).

GLASS

afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W09-24SM

SERIES SMI-090 ALUM WINDOW WALL (L.M.I.)
Aldora Aluminum & Glass Products Inc.
11500 MIRAMAR PARKWAY SUITE 300
MIRAMAR, FL. 33025
TEL. (305) 888-6288 FAX. (305) 888-6289

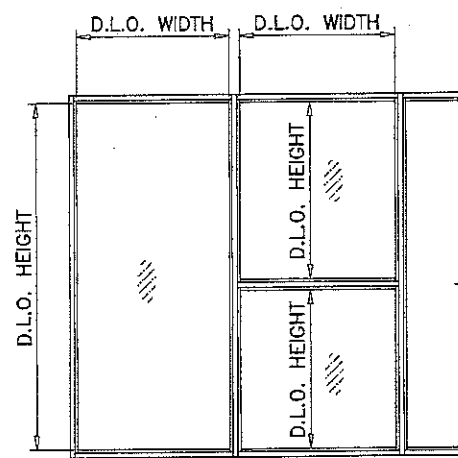
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date: 04-16-09	scale: 1/2" = 1"
dr. by: TARIQ	chk. by:

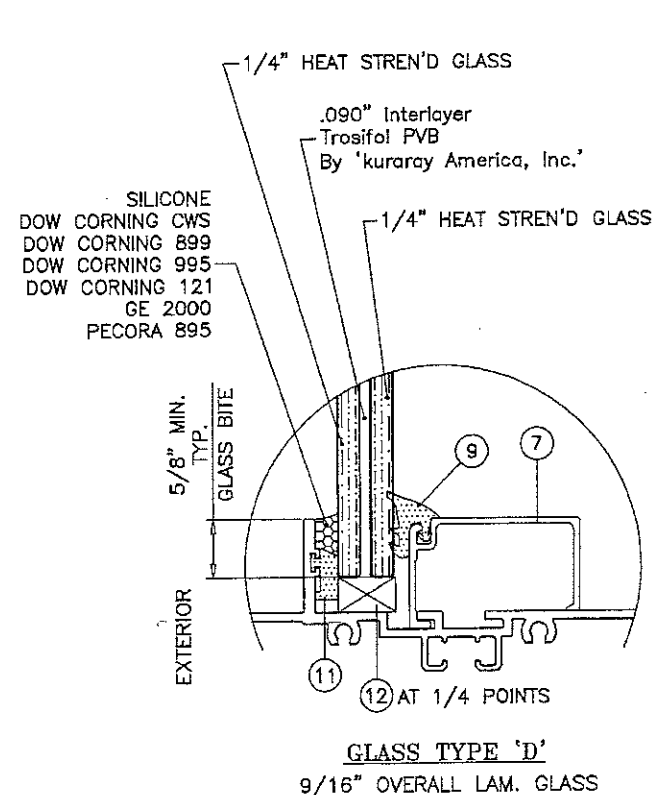
drawing no.
W09-24
sheet 2.1 of 13

GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPES 'D' & 'D1'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+)	INT. (-)
30"	66-1/2"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0
66-1/2"		70.0	75.0
30"	72-1/2"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0
66"		70.0	75.0
30"	78-1/2"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0
30"	84-1/2"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0
30"	90-1/2"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0
30"	96-1/2"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0
30"	102-1/2"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0
30"	108"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0
44-1/4"	114"	70.0	75.0
30"		70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
30"	114-1/2"	70.0	75.0
36"		70.0	75.0
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48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0

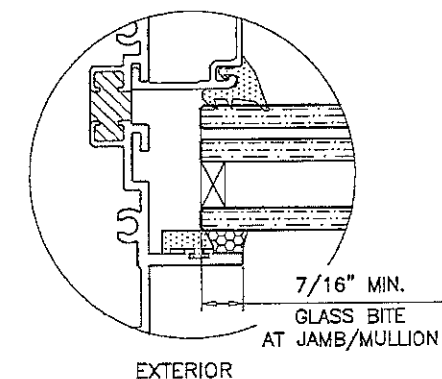
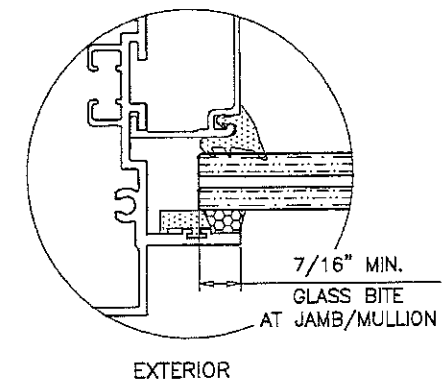
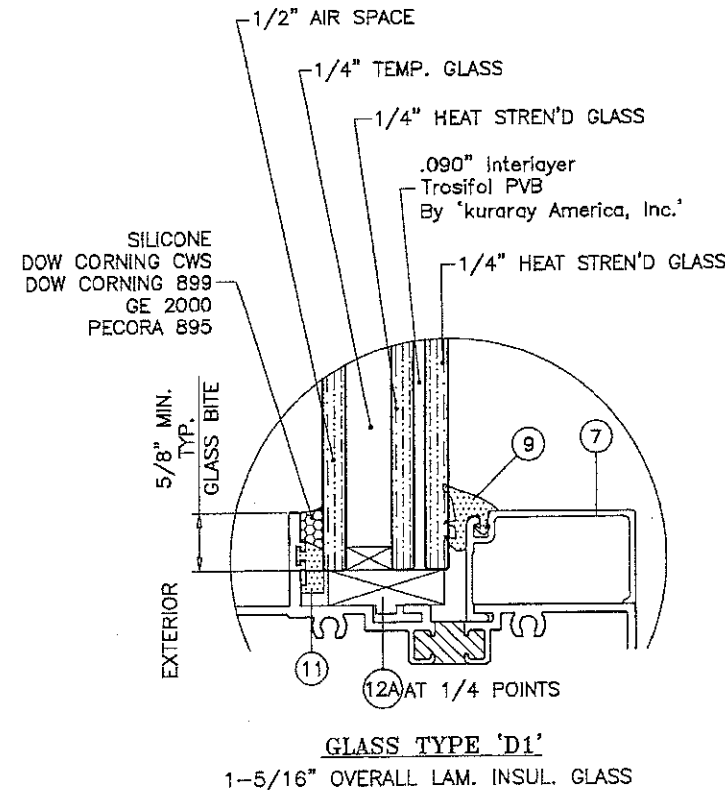
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS).



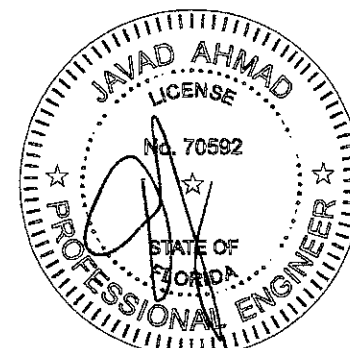
GLAZING OPTIONS
INTERIOR GLAZED



1/2" AIR SPACE CONSISTING OF:
SPACER:
'PROFIGLASS' ALUMINUM SPACER
BY 'RAMAPO USA'
PERIMETER SEALANT:
SILICONE
DOW CORNING CWS
DOW CORNING 899
GE 2000
PECORA 895

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **17-0201.03**
Expiration Date **05/12/2020**
By *[Signature]*
Miami-Dade Product Control

OCT 17 2017



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W09-24SM

SERIES SM-090 ALUM WINDOW WALL (L.M.I.)
Aldora Aluminum & Glass Products Inc.
11500 MIRAMAR PARKWAY SUITE 300
MIRAMAR, FL. 33025
TEL. (305) 888-6288 FAX. (305) 888-6289

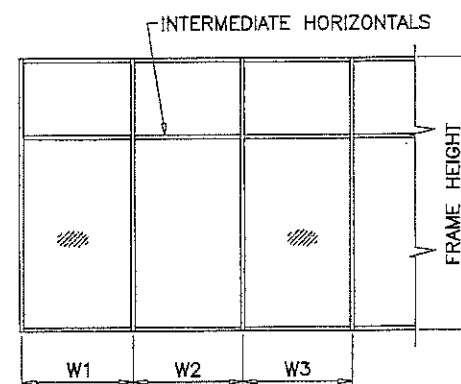
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date: 04-16-09
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W09-24
sheet 2.2 of 13

DESIGN LOAD CAPACITY - PSF JAMB/MULLION WITH INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		JAMB 'J1'	JAMB 'J2'	JAMB 'J3/J4'
WIDTH (W)	FRAME HEIGHT	MULLION 'M1'	MULLION 'M2'	MULL 'M3/M4'
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30"	78"	80.0	90.0	90.0
36"		80.0	90.0	90.0
42"		80.0	90.0	90.0
48"		80.0	90.0	90.0
54"		74.2	90.0	90.0
60"		66.8	90.0	90.0
30"	84"	80.0	90.0	90.0
36"		80.0	90.0	90.0
42"		80.0	90.0	90.0
48"		71.6	90.0	90.0
54"		63.6	90.0	90.0
60"		-	90.0	90.0
30"	90"	80.0	90.0	90.0
36"		80.0	90.0	90.0
42"		70.8	90.0	90.0
48"		62.0	90.0	90.0
54"		55.1	90.0	90.0
60"		-	90.0	90.0
30"	96"	80.0	90.0	90.0
36"		72.2	90.0	90.0
42"		61.9	90.0	90.0
48"		54.2	90.0	90.0
54"		-	90.0	90.0
60"		-	-	80.0
30"	102"	-	90.0	90.0
36"		-	90.0	90.0
42"		-	90.0	90.0
48"		-	90.0	90.0
54"		-	-	80.0
60"		-	-	-
30"	108"	-	90.0	90.0
36"		-	90.0	90.0
42"		-	90.0	90.0
48"		-	87.5	87.5
54"		-	-	-
60"		-	-	-
30"	114"	-	-	80.0
36"		-	-	80.0
42"		-	-	80.0
48"		-	-	80.0
54"		-	-	-
60"		-	-	-
30"	120"	-	-	80.0
36"		-	-	80.0
42"		-	-	80.0
48"		-	-	80.0
54"		-	-	-
60"		-	-	-

NOTE:
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



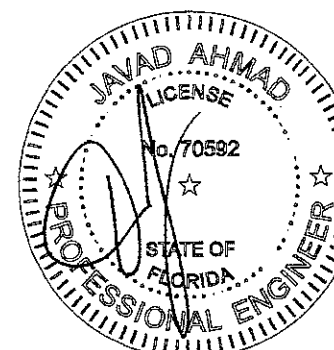
WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION

JAMB 'J1'		JAMB 'J2'		JAMB 'J3'		JAMB 'J4'																																					
<table><tr><td>Ix IN⁴</td><td>Sx IN³</td></tr><tr><td>3.634</td><td>1.720</td></tr></table>		Ix IN ⁴	Sx IN ³	3.634	1.720	<table><tr><td>Ix IN⁴</td><td>Sx IN³</td></tr><tr><td>9.241</td><td>4.375</td></tr></table>		Ix IN ⁴	Sx IN ³	9.241	4.375	<table><tr><td>Ix IN⁴</td><td>Sx IN³</td></tr><tr><td>9.241</td><td>4.375</td></tr><tr><td>ALUMINUM</td><td></td></tr><tr><td>STEEL</td><td></td></tr><tr><td>TOTAL</td><td></td></tr><tr><td colspan="2">Ix ALUM + Ix STL X 2.9</td></tr><tr><td>10.871</td><td></td></tr></table>		Ix IN ⁴	Sx IN ³	9.241	4.375	ALUMINUM		STEEL		TOTAL		Ix ALUM + Ix STL X 2.9		10.871		<table><tr><td>Ix IN⁴</td><td>Sx IN³</td></tr><tr><td>3.634</td><td>1.720</td></tr><tr><td>ALUMINUM</td><td></td></tr><tr><td>STEEL</td><td></td></tr><tr><td>TOTAL</td><td></td></tr><tr><td colspan="2">Ix ALUM + Ix STL X 2.9</td></tr><tr><td>15.657</td><td></td></tr></table>		Ix IN ⁴	Sx IN ³	3.634	1.720	ALUMINUM		STEEL		TOTAL		Ix ALUM + Ix STL X 2.9		15.657	
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MULLION 'M1'		MULLION 'M2'		MULLION 'M3'		MULLION 'M4'																																					
<table><tr><td>Ix IN⁴</td><td>Sx IN³</td></tr><tr><td>3.854</td><td>1.614</td></tr></table>		Ix IN ⁴	Sx IN ³	3.854	1.614	<table><tr><td>Ix IN⁴</td><td>Sx IN³</td></tr><tr><td>9.461</td><td>3.963</td></tr></table>		Ix IN ⁴	Sx IN ³	9.461	3.963	<table><tr><td>Ix IN⁴</td><td>Sx IN³</td></tr><tr><td>9.461</td><td>3.963</td></tr><tr><td>ALUMINUM</td><td></td></tr><tr><td>STEEL</td><td></td></tr><tr><td>TOTAL</td><td></td></tr><tr><td colspan="2">Ix ALUM + Ix STL X 2.9</td></tr><tr><td>11.092</td><td></td></tr></table>		Ix IN ⁴	Sx IN ³	9.461	3.963	ALUMINUM		STEEL		TOTAL		Ix ALUM + Ix STL X 2.9		11.092		<table><tr><td>Ix IN⁴</td><td>Sx IN³</td></tr><tr><td>3.854</td><td>1.614</td></tr><tr><td>ALUMINUM</td><td></td></tr><tr><td>STEEL</td><td></td></tr><tr><td>TOTAL</td><td></td></tr><tr><td colspan="2">Ix ALUM + Ix STL X 2.9</td></tr><tr><td>15.877</td><td></td></tr></table>		Ix IN ⁴	Sx IN ³	3.854	1.614	ALUMINUM		STEEL		TOTAL		Ix ALUM + Ix STL X 2.9		15.877	
Ix IN ⁴	Sx IN ³																																										
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MULLIONS

OCT 17 2017
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **17-0201.03**
Expiration Date **05/12/2020**
By *[Signature]*
Miami-Dade Product Control



afC
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\W09-24SM

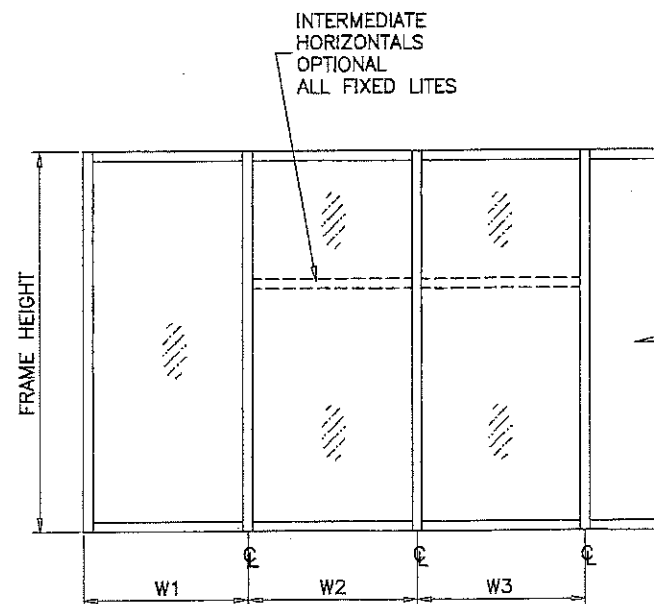
SERIES SMI-090 ALUM WINDOW WALL (L.M.I.)
Aldora Aluminum & Glass Products Inc.
11500 MIRAMAR PARKWAY SUITE 300
MIRAMAR, FL 33025
TEL. (305) 888-6288 FAX. (305) 888-6289

no	date	by	description
C	06.12.13	MANUF. NAME REV.	NO CHANGE THIS SHEET
D	03.05.14	GENERAL REVISION	
E	01.11.17	REV. PER RER COMMENTS	
F	08.21.17		

date: 04-16-09
scale: -
dr. by: TARIQ
chk. by:

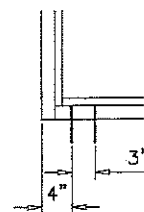
drawing no.
W09-24
sheet 4 of 13

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'		ANCHORS TYPE 'B'		ANCHORS 'C'
WIDTH (W)	FRAME HEIGHT	A2	A3	B2	B3	C2
30"	84"	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0
42"		90.0	90.0	90.0	90.0	90.0
48"		90.0	90.0	90.0	90.0	90.0
54"		90.0	90.0	90.0	90.0	90.0
60"		90.0	90.0	90.0	90.0	90.0
30"	90"	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0
42"		90.0	90.0	90.0	90.0	90.0
48"		90.0	90.0	90.0	90.0	90.0
54"		86.7	90.0	90.0	90.0	90.0
60"		81.9	90.0	89.3	90.0	90.0
30"	96"	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0
42"		90.0	90.0	90.0	90.0	90.0
48"		85.3	90.0	90.0	90.0	90.0
54"		79.1	90.0	86.3	90.0	90.0
60"		74.5	90.0	81.2	90.0	90.0
30"	102"	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0
42"		86.7	90.0	90.0	90.0	90.0
48"		78.8	90.0	85.8	90.0	90.0
54"		72.8	90.0	79.4	90.0	90.0
30"	108"	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0
42"		80.7	90.0	88.0	90.0	90.0
48"		73.1	90.0	79.7	90.0	90.0
30"	114"	90.0	90.0	90.0	90.0	90.0
36"		85.3	90.0	90.0	90.0	90.0
42"		75.5	90.0	82.3	90.0	90.0
48"		68.3	90.0	74.4	90.0	90.0
30"	120"	90.0	90.0	90.0	90.0	90.0
36"		80.3	90.0	87.5	90.0	90.0
42"		70.9	90.0	77.3	90.0	90.0
48"		64.0	90.0	69.8	90.0	90.0

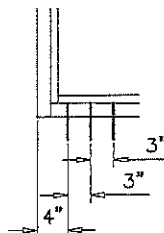


WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION



A2, B2, C2



A3, B3

ANCHORS TYPES:

A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C2 = (2) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION

A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C3 = (3) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION

WOOD BUCKS AND METAL STRUCTURE NOT BY 'ALDORA ALUMINUM & GLASS PRODUCTS' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'

1/4" DIA ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-3/8" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)
THRU 1BY BUCKS INTO CONC. OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.

TYPE 'B'

1/4" DIA ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE = 2-1/2" MIN.

TYPE 'C'

#14 SMS OR SELF DRILLING SCREWS ST/ST (GRADE 2 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES

INTO METAL STRUCTURE = 3/4" MIN.

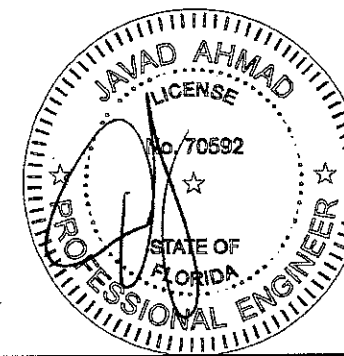
WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

OCT 17 2017

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 17-0201.03

Expiration Date 05/12/2020

By *Manuel Perez*
Miami-Dade Product Control



afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W09-24SM

SERIES SMI-090 ALUM WINDOW WALL (L.M.I.)
Aldora Aluminum & Glass Products Inc.
11500 MIRAMAR PARKWAY SUITE 300
MIRAMAR, FL. 33025
TEL. (305) 888-6288 FAX. (305) 888-6289

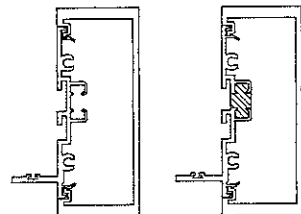
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E	01.11.17		
F	08.21.17		

date: 04-16-09
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W09-24
sheet 5 of 13

ANCHORS

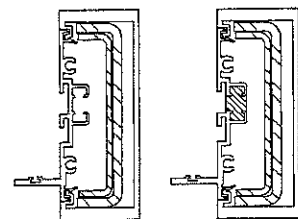
DOOR MULLION LOAD CAPACITY		
NOMINAL DIMS.		W/O REINF.
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)
30"	81-3/4"	90.0
36"		90.0
42"		90.0
48"		90.0
30"	85-3/4"	90.0
36"		90.0
42"		90.0
48"		90.0
30"	91-3/4"	90.0
36"		90.0
42"		90.0
30"	96-3/4"	90.0
36"		90.0
42"		90.0
30"	97-3/4"	90.0
36"		90.0
42"		90.0



DOOR MULLION
WITHOUT REINFORCING

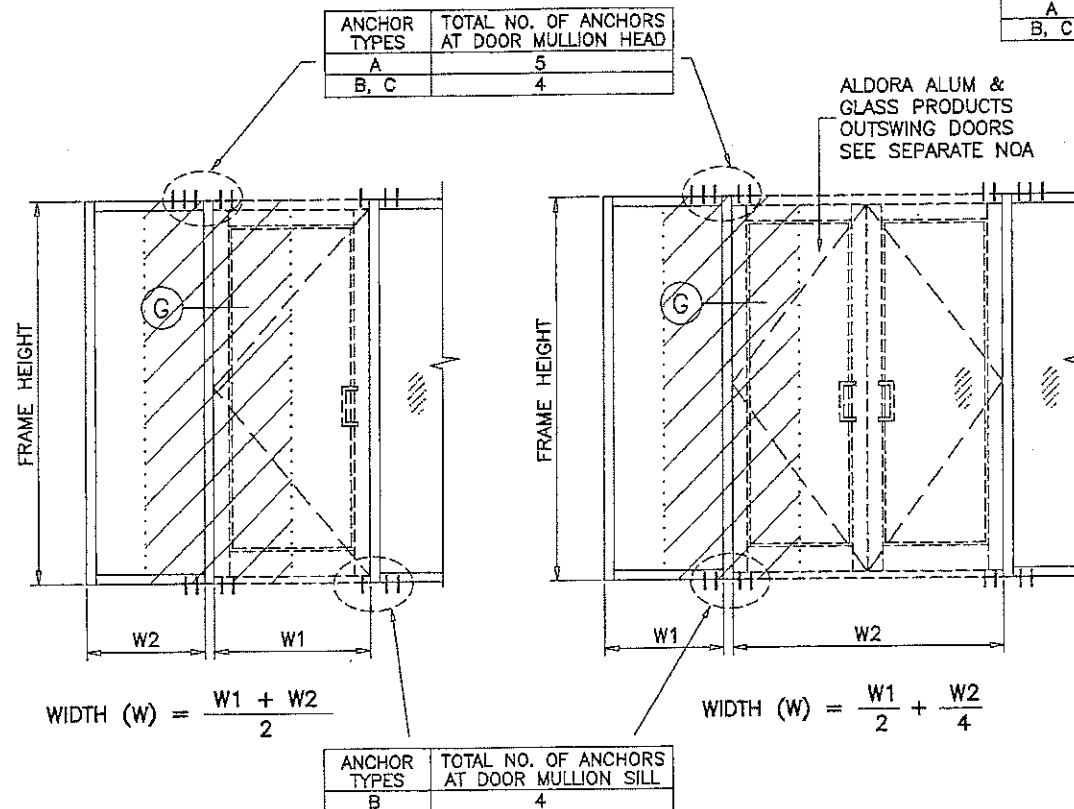
IX IN ⁴	SX IN ³
5.856	2.602

DOOR MULLION LOAD CAPACITY		
NOMINAL DIMS.		WITH REINF.
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)
24"	80"	90.0
30"		90.0
36"		90.0
42"		90.0
48"	84"	90.0
54"		90.0
60"		90.0
66"		90.0
24"	90"	90.0
30"		90.0
36"		90.0
42"		90.0
48"	96"	90.0
54"		90.0
60"		90.0
66"		90.0
24"	102"	90.0
30"		90.0
36"		90.0
42"		90.0
48"	108"	90.0
54"		90.0
60"		90.0
66"		90.0
24"	114"	80.0
30"		80.0
36"		80.0
42"		80.0
24"	120"	80.0
30"		80.0
36"		80.0
42"		80.0



DOOR MULLION
WITH REINFORCING

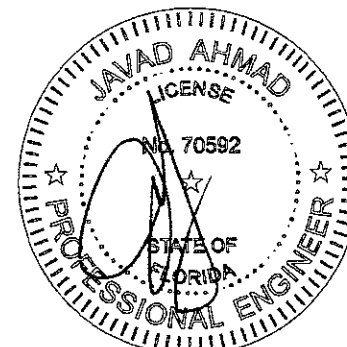
	IX IN ⁴	SX IN ³
ALUMINUM	5.856	2.602
STEEL	2.740	1.391
TOTAL IX ALUM + IX STL X 2.9	13.802	



DOOR MULLION

PRODUCT REVISED
as complying with the Florida
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NOA-No. 17-0201.03
Expiration Date 05/12/2020
By *Manuel Diaz*
Miami-Dade Product Control

OCT 17 2017



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 262-6978 FAX. (305) 262-6978
COMP-ANI\W09-24SM

SERIES SMI-090 ALUM WINDOW WALL (L.M.I.)
Aldora Aluminum & Glass Products Inc.
11500 MIRAMAR PARKWAY SUITE 300
MIRAMAR, FL. 33025
TEL. (305) 888-6288 FAX. (305) 888-6289

no	date	by	description
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D	03.05.14	GENERAL REVISION	NO CHANGE THIS SHEET
E	01.11.17	GENERAL REVISION	NO CHANGE THIS SHEET
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chk. by:

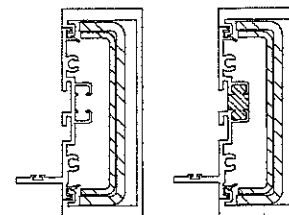
drawing no.
W09-24
sheet 6 of 13

DOOR MULLION LOAD CAPACITY - PSF				
NOMINAL DIMS.				WITH REINF.
FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT. (+) INT. (-)
108	80	60	30	90.0
			33	90.0
			39	90.0
			42	90.0
		72	30	90.0
			33	90.0
			39	90.0
			42	90.0
		84	30	90.0
			33	90.0
			39	90.0
			42	89.1
		96	30	90.0
			33	87.9
			39	83.6
			42	81.6
114	80	60	30	80.0
			33	80.0
			39	80.0
			42	80.0
		72	30	80.0
			33	80.0
			39	80.0
			42	80.0
		84	30	80.0
			33	80.0
			39	80.0
			42	78.0
		96	30	78.6
			33	76.7
			39	73.1
120	80	60	30	80.0
			33	80.0
			39	80.0
			42	80.0
		72	30	80.0
			33	80.0
			39	78.4
			42	76.3
		84	30	76.7
			33	74.7
			39	70.9
			42	69.1
		96	30	69.5
			33	67.8

DOOR MULLION LOAD CAPACITY - PSF				
NOMINAL DIMS.				WITH REINF.
FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT. (+) INT. (-)
108	84	60	30	90.0
			33	90.0
			39	90.0
			42	90.0
		72	30	90.0
			33	90.0
			39	90.0
			42	90.0
		84	30	90.0
			33	90.0
			39	90.0
			42	90.0
		96	30	90.0
			33	90.0
			39	86.2
			42	84.1
114	84	60	30	80.0
			33	80.0
			39	80.0
			42	80.0
		72	30	80.0
			33	80.0
			39	80.0
			42	80.0
		84	30	80.0
			33	80.0
			39	80.0
			42	79.7
		96	30	80.0
			33	78.6
			39	74.8
120	84	60	30	80.0
			33	80.0
			39	80.0
			42	80.0
		72	30	80.0
			33	80.0
			39	79.7
			42	77.5
		84	30	78.2
			33	76.1
			39	72.1
			42	70.3
		96	30	70.9
			33	69.1

DOOR MULLION LOAD CAPACITY - PSF				
NOMINAL DIMS.				WITH REINF.
FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT. (+) INT. (-)
114	96	60	30	80.0
			33	80.0
			39	80.0
			42	80.0
		72	30	80.0
			33	80.0
			39	80.0
			42	80.0
		84	30	80.0
			33	80.0
			39	80.0
			42	80.0
		96	30	80.0
			33	80.0
			39	80.0
120	96	60	30	80.0
			33	80.0
			39	80.0
			42	80.0
		72	30	80.0
			33	80.0
			39	80.0
			42	80.0
		84	30	80.0
			33	80.0
			39	77.8
			42	75.7
		96	30	77.2
			33	75.1

DOOR MULLION LOAD CAPACITY - PSF				
NOMINAL DIMS.				WITH REINF.
FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT. (+) INT. (-)
120	108	60	30	80.0
			33	80.0
			39	80.0
			42	80.0
		72	30	80.0
			33	80.0
			39	80.0
			42	80.0
		84	30	80.0
			33	80.0
			39	80.0
			42	80.0
		96	30	80.0
			33	80.0



DOOR MULLION
WITH REINFORCING

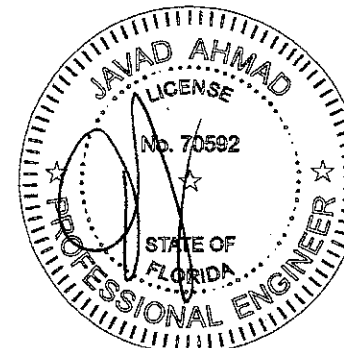
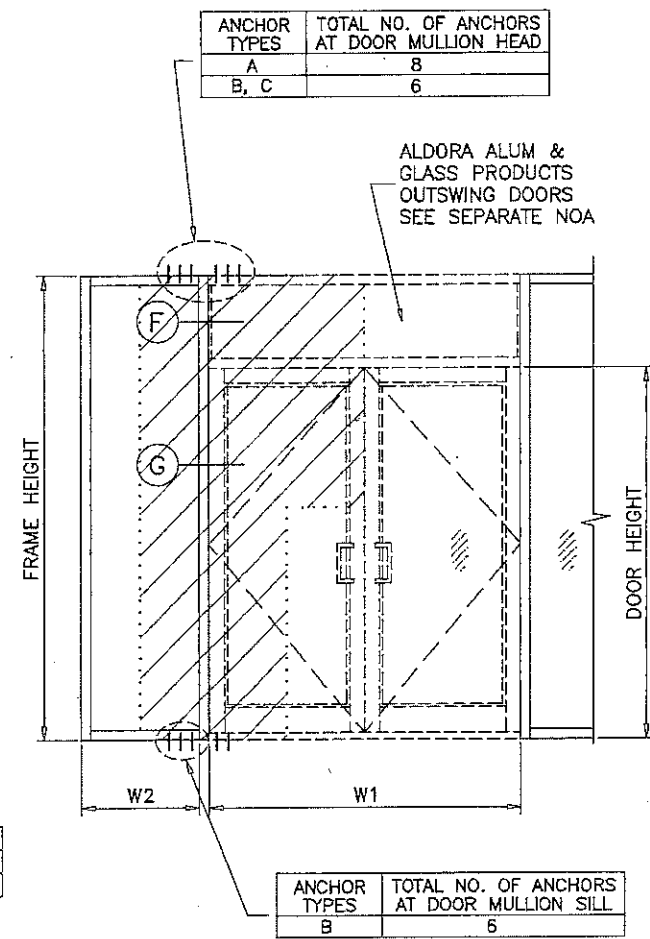
	1x IN ⁴	5x IN ³
ALUMINUM	5.856	2.602
STEEL	2.740	1.391
TOTAL 1x ALUM + 1x STL X 2.9	13.802	

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 17-0201.03

Expiration Date 05/12/2020

By *Muhammad Bary*
Miami-Dade Product Control

DOOR MULLION



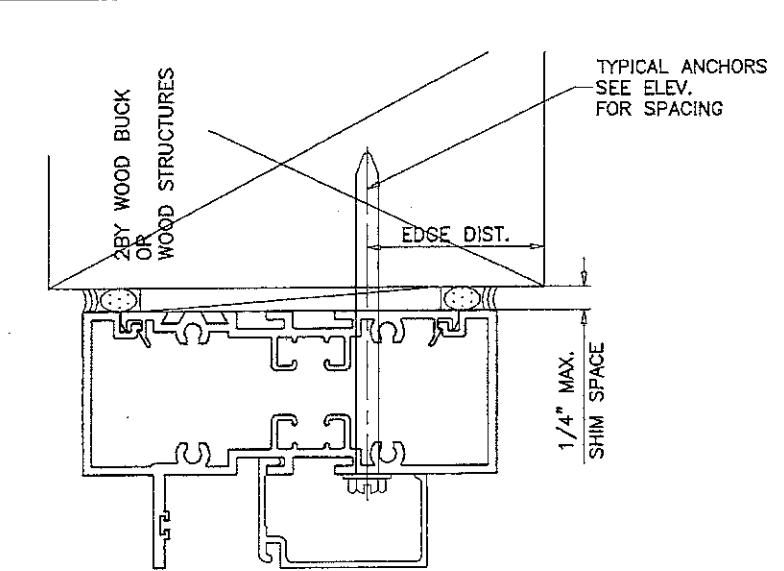
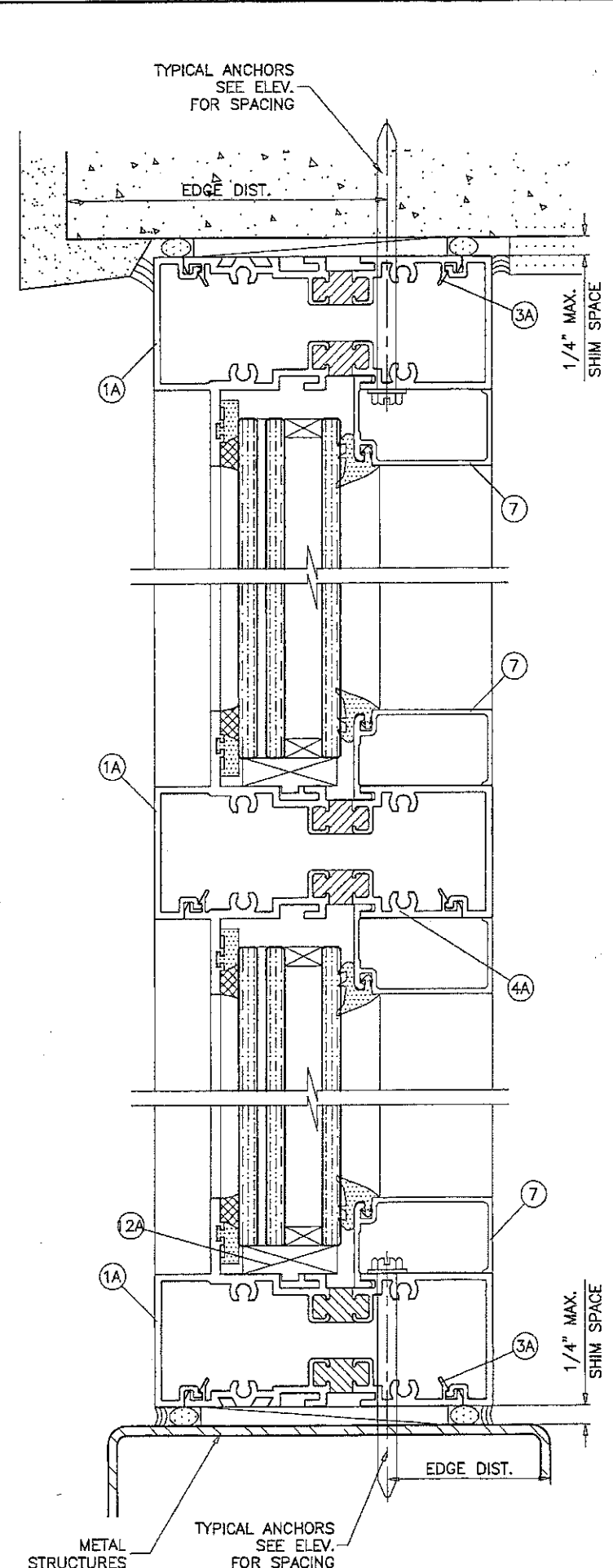
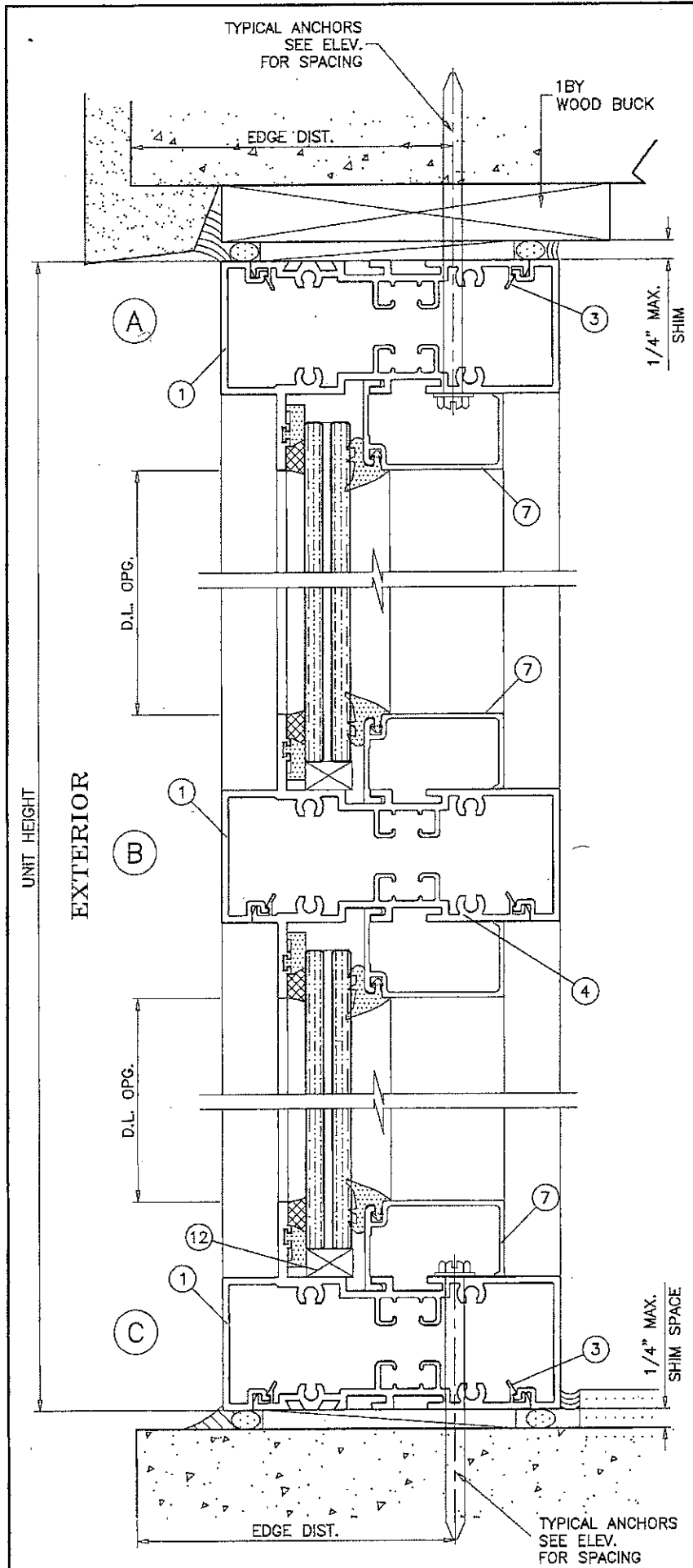
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

SERIES SM-090 ALUM WINDOW WALL (L.M.I.)
Aldora Aluminum & Glass Products Inc.
11500 MIRAMAR PARKWAY SUITE 300
MIRAMAR, FL. 33025
TEL. (305) 888-6288 FAX. (305) 888-6289

no	date	by	description
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D	03.05.14		NO CHANGE THIS SHEET
E	01.11.17		GENERAL REVISION
F	08.21.17		REV. PER RFR COMMENTS

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chk. by:

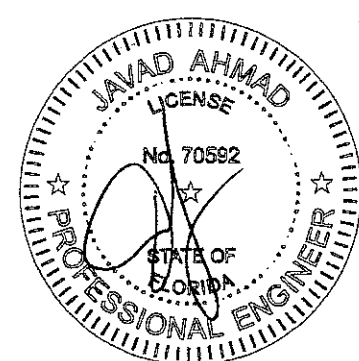
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W09-24
sheet 7 of 13



PRODUCT REVISED
as complying with the Florida
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NOA-No. **17-0201.03**
Expiration Date **05/12/2020**
By *Manuel Perez*
Miami-Dade Product Control

INTERIOR GLAZED

OCT 17 2017



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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 W09-24SM

SERIES SMI-090 ALUM WINDOW WALL (L.M.I.)

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11500 MIRAMAR PARKWAY SUITE 300
MIRAMAR, FL. 33025
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revisions:	
no	description
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E	07.11.17 GENERAL REVISION
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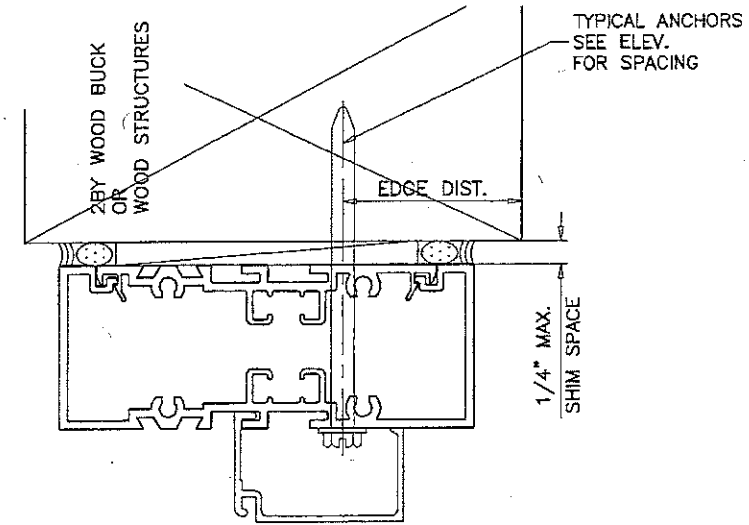
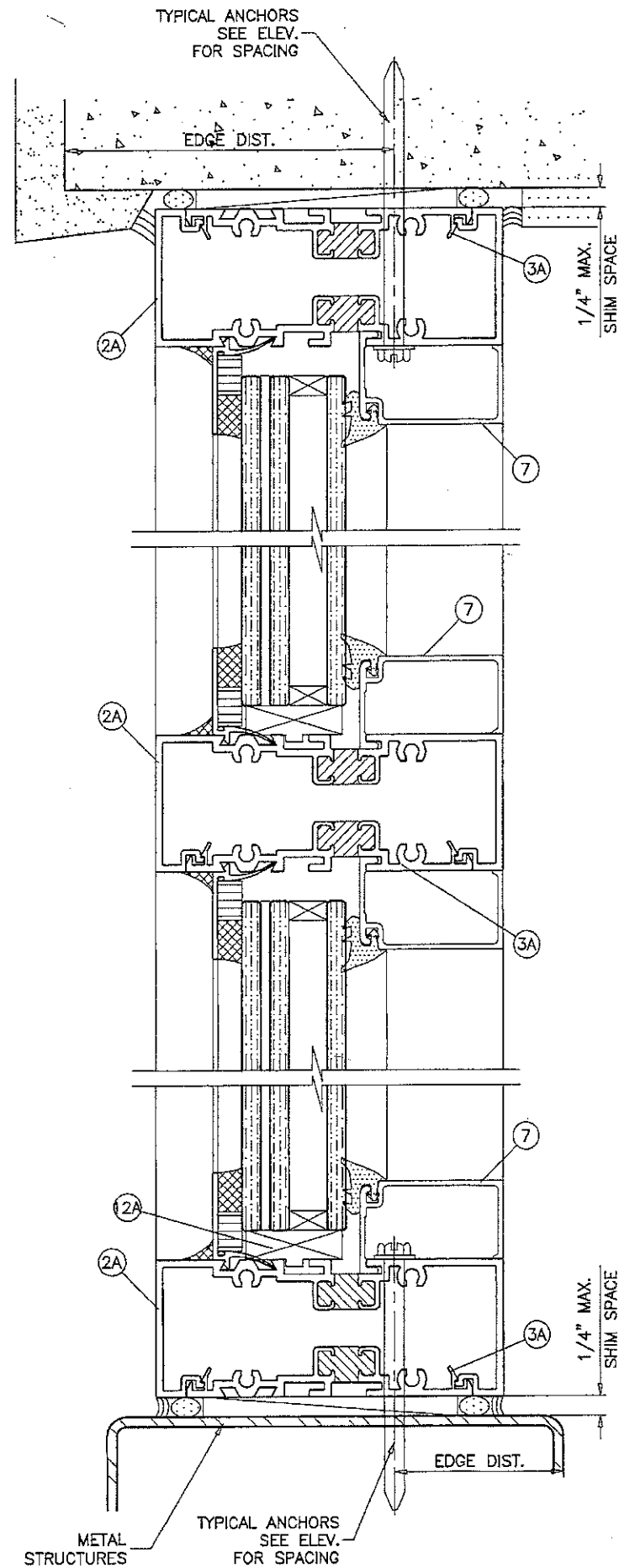
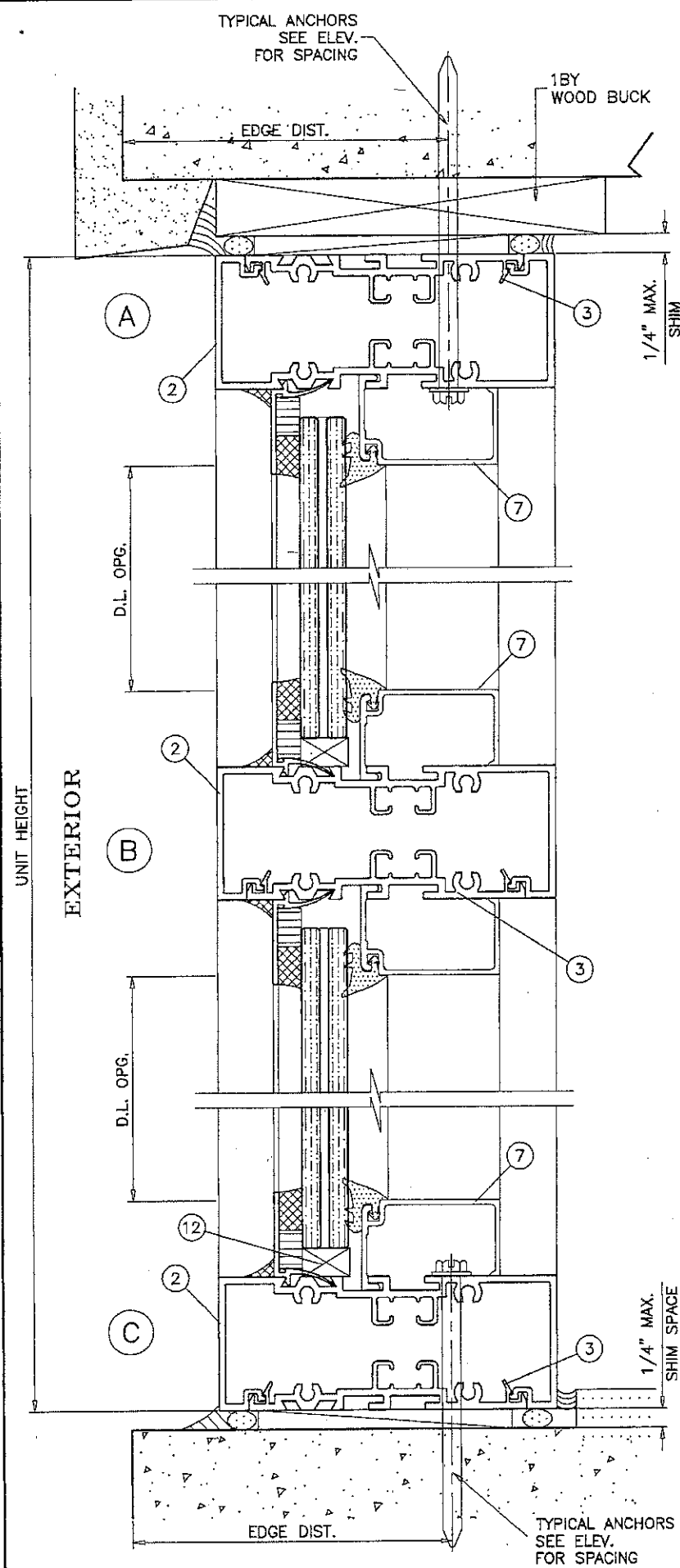
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chk. by:

drawing no.

W09-24

sheet 8 of 13



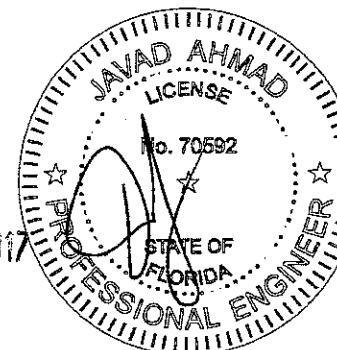
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Expiration Date 05/12/2020

By *Manuel Perez*
Miami-Dade Product Control

EXTERIOR GLAZED

OCT 17 2017



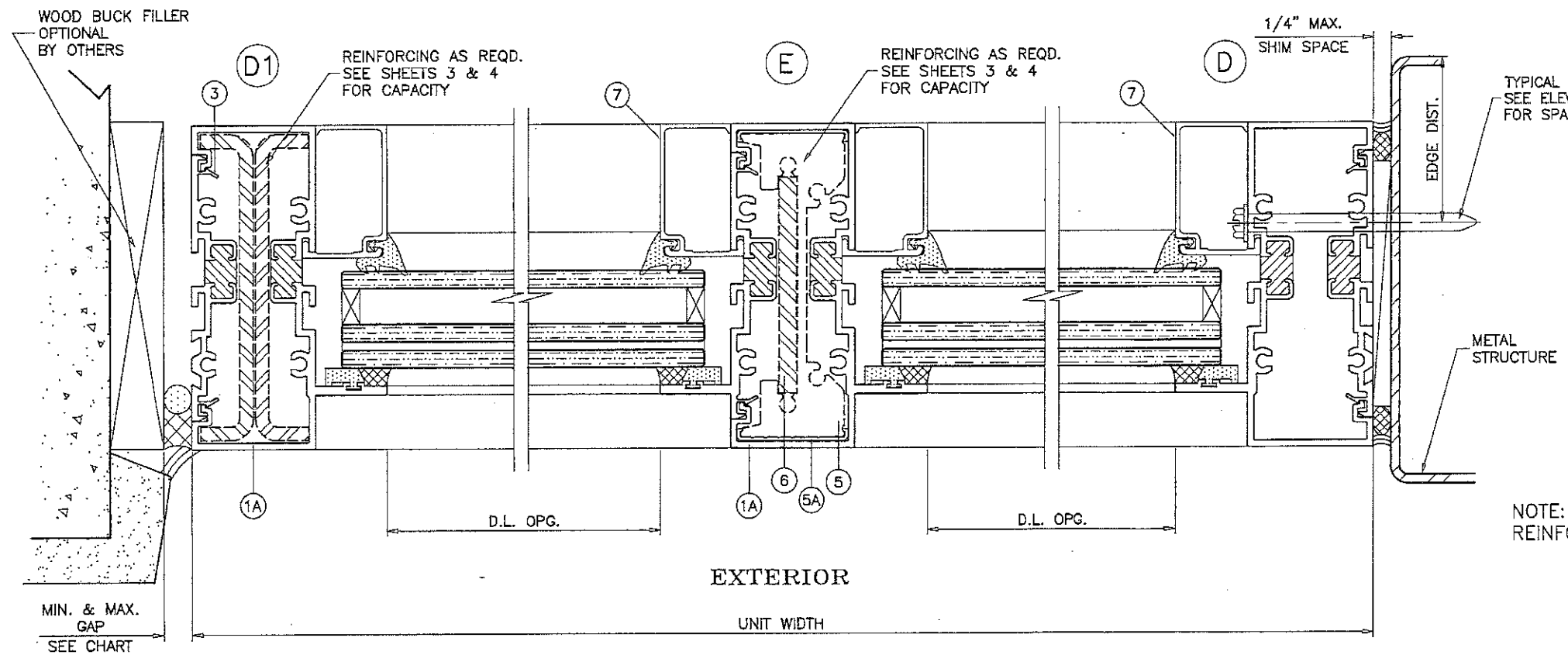
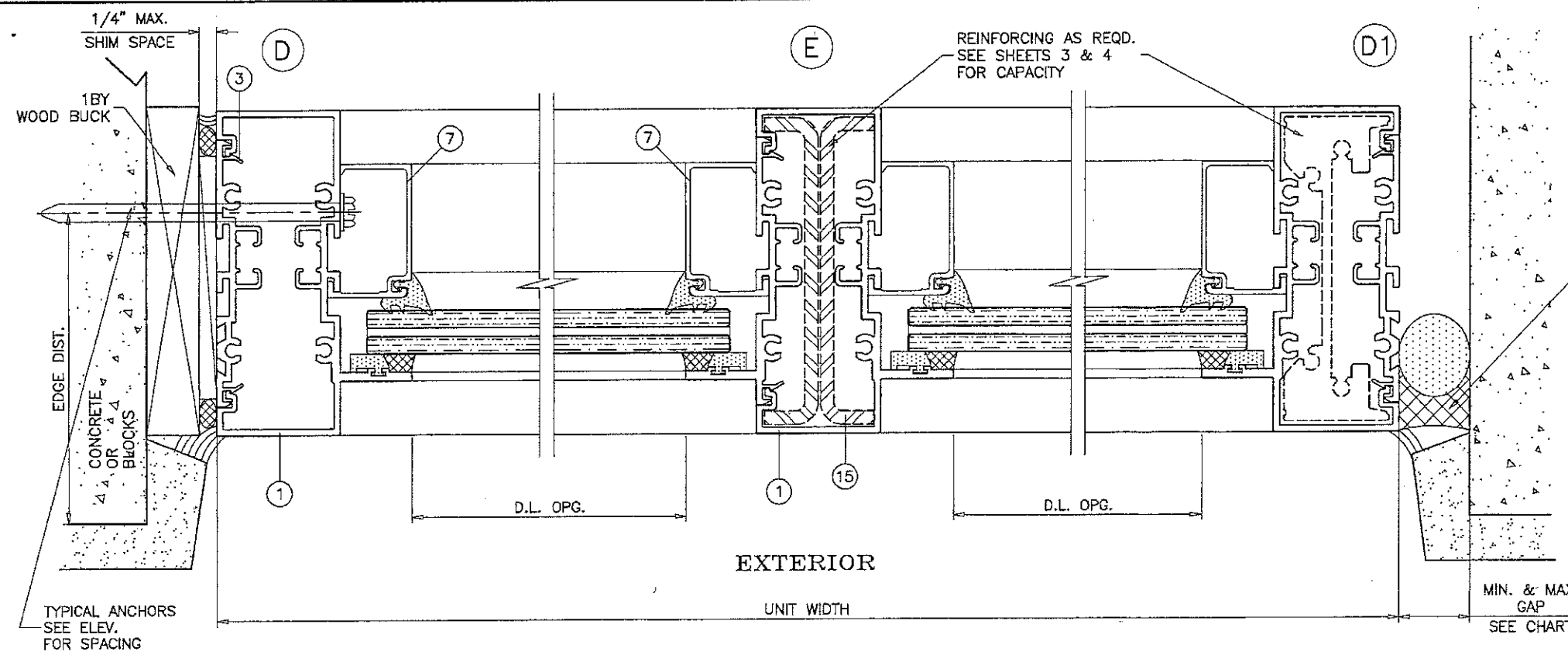
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
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TEL. (305) 888-6288 FAX. (305) 888-6289

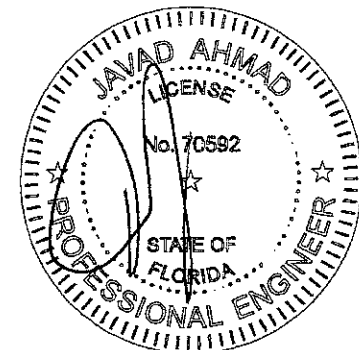
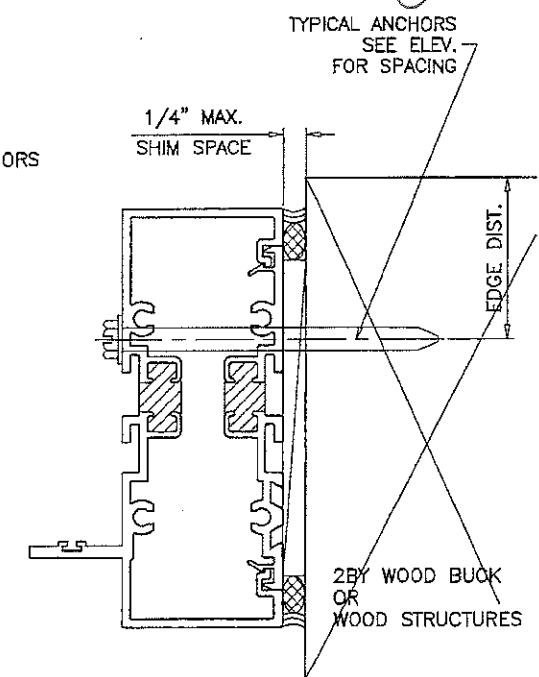
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date: 04-16-09
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W09-24
sheet 9 of 13



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Expiration Date **05/12/2020**
By *Manuel Perez*
Miami Dade Product Control



OCT 17 2017

INTERIOR OR EXTERIOR GLAZED

afC

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3558)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W09-24SM

SERIES SMI-090 ALUM WINDOW WALL (L.M.I.)

Aldora Aluminum & Glass Products Inc.
11500 MIRAMAR PARKWAY SUITE 300
MIRAMAR, FL. 33025
TEL. (305) 888-6288 FAX. (305) 888-6289

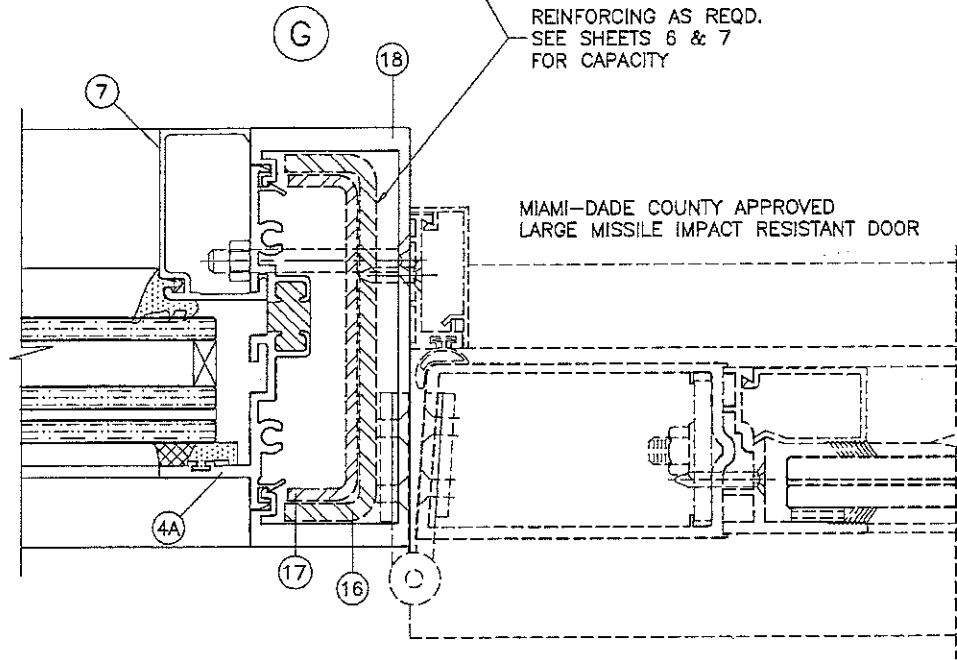
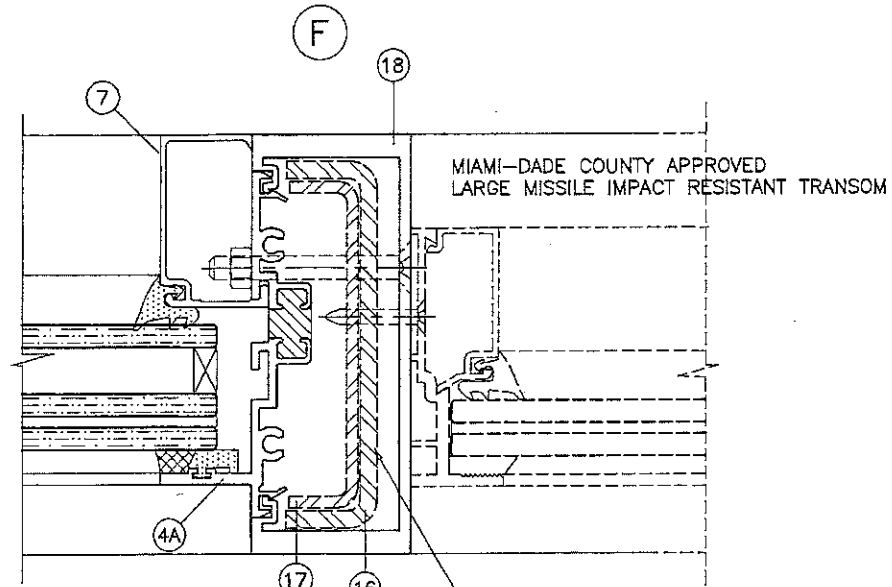
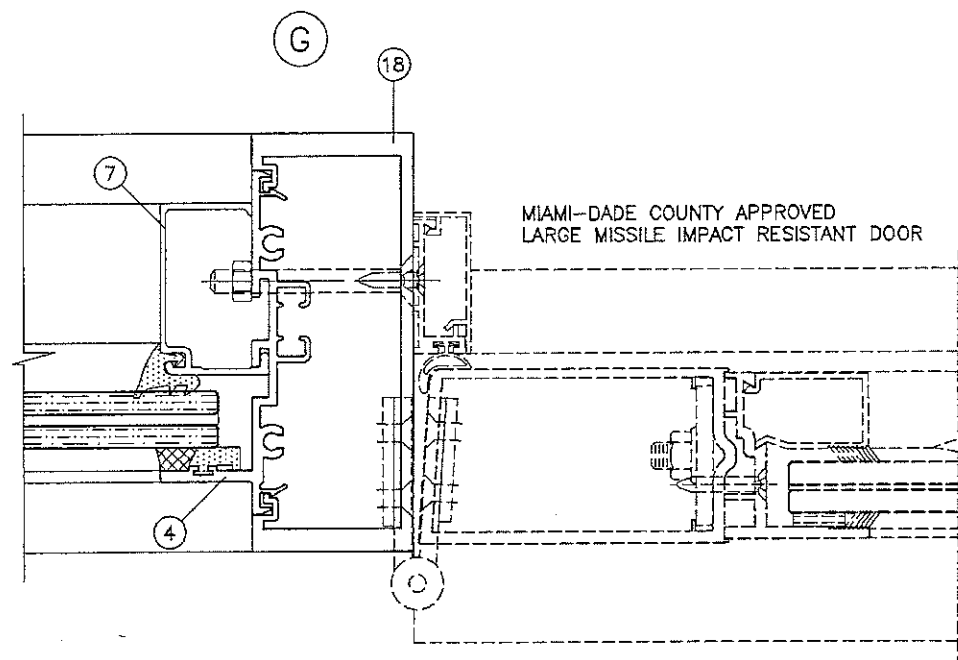
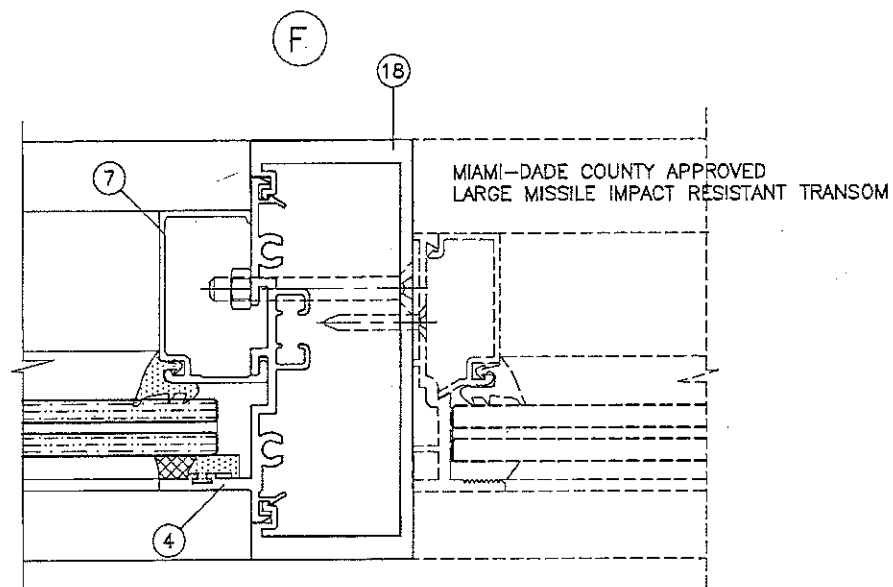
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E	01.11.17		
F	08.21.17		

date: 04-16-09 scale: 1/2" = 1" dr. by: TARIQ chk. by:

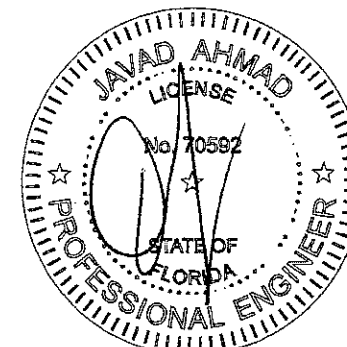
drawing no. **W09-24**
sheet 10 of 13

SEE SEPARATE NOA FOR DESIGN LOAD
CAPACITY OF DOORS AND DOOR ANCHORS.

LOWER VALUES FROM DOORS NOA
OR STOREFRONT SYSTEM CAPACITY CHARTS
WILL APPLY TO ENTIRE SYSTEM.



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **17-0201.03**
Expiration Date **05/12/2020**
By *Manuel Fery*
Miami-Dade Product Control



OCT 17 2017

af c

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\W09-24SM

SERIES SMI-090 ALUM WINDOW WALL (L.M.I.)

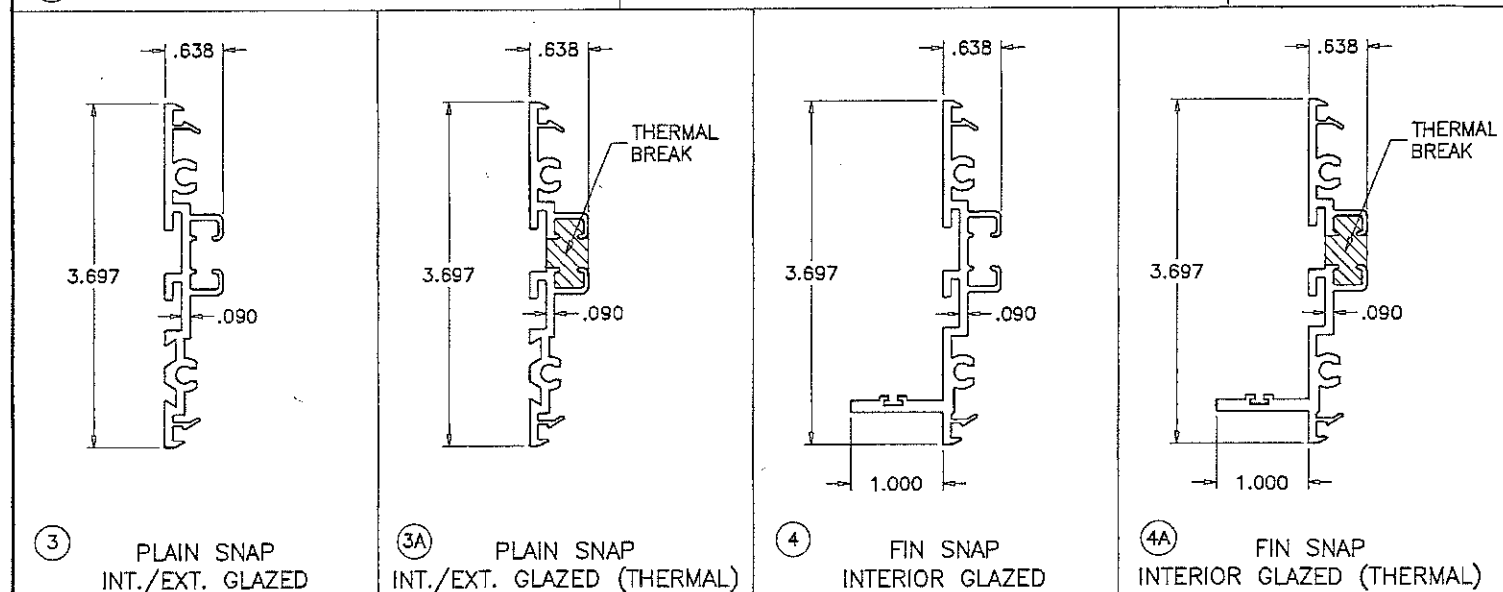
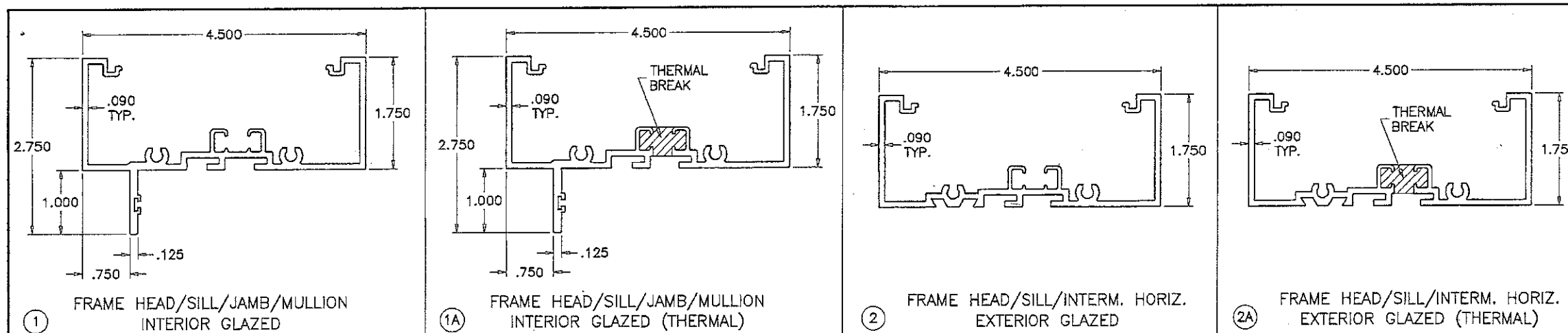
Aldora Aluminum & Glass Products Inc.
11500 MIRAMAR PARKWAY SUITE 300
MIRAMAR, FL. 33025
TEL (305) 888-6288 FAX (305) 888-6289

no	date	by	description
C	08.12.13		MANUF. NAME REV.
D	03.05.14		NO CHANGE THIS SHEET
E	01.11.17		GENERAL REVISION
F	08.21.17		REV. PER RER COMMENTS

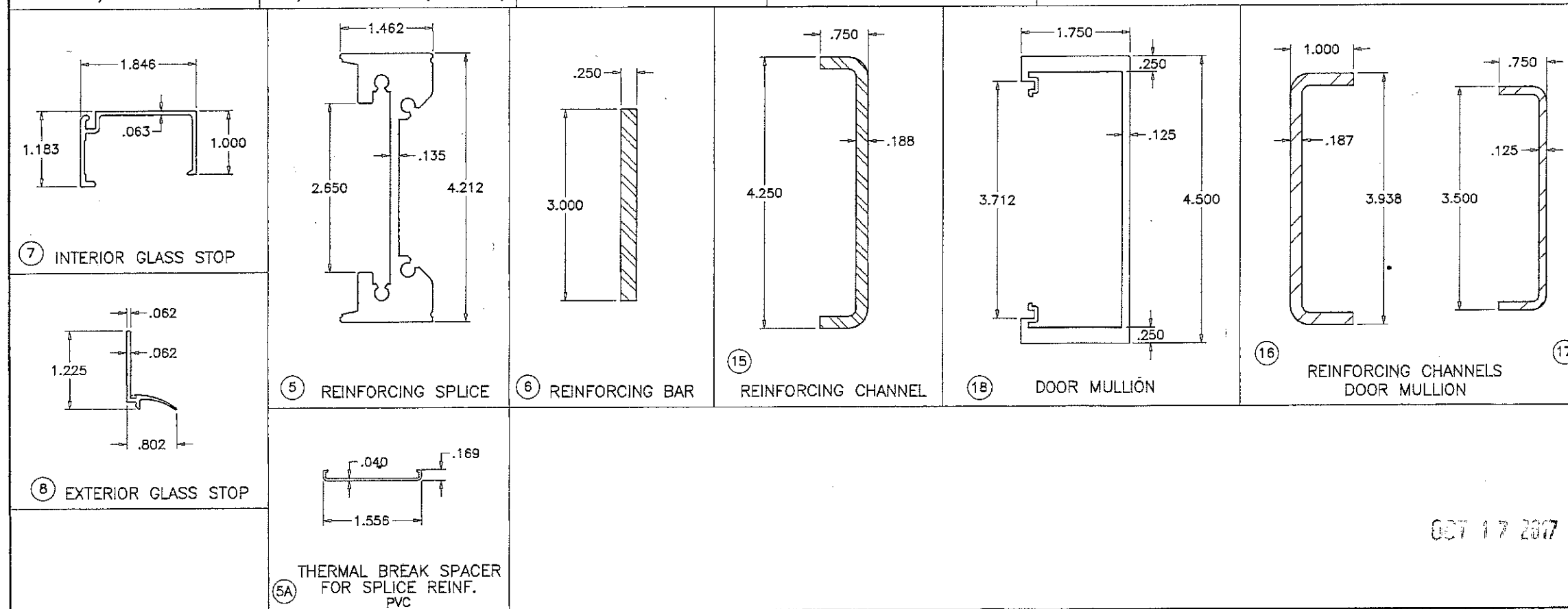
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dr. by: TARIQ
chk. by:

drawing no.
W09-24

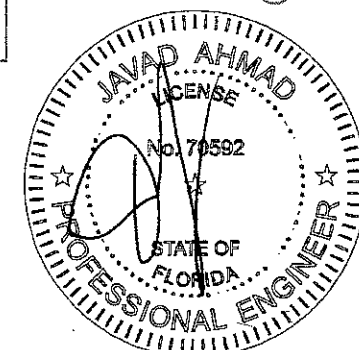
sheet 11 of 13



THERMAL BREAK:
FRAME MEMBERS FILLED AND DEBRIDGED USING
'AZON SU312-19T' STRUCTURAL THERMAL BARRIER POLYMER
MANUFACTURED BY 'AZON USA INC.'



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Building Code
NOA-No. **17-0201.03**
Expiration Date **05/12/2020**
By *Manuel Perez*
Miami Dade Product Control



OCT 17 2017

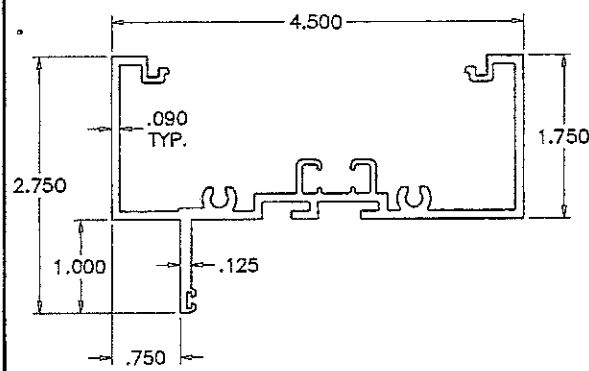
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W09-24SM

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MIRAMAR, FL. 33025
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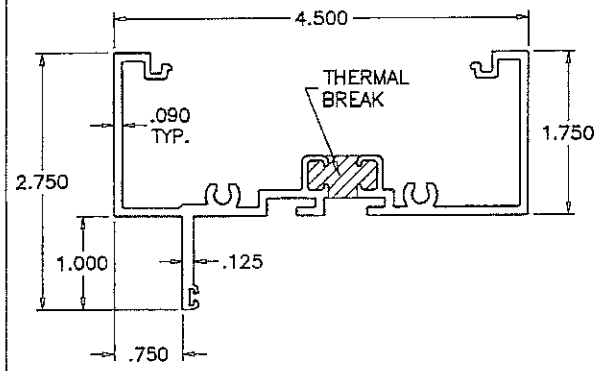
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dr. by: TARIQ
chk. by:

drawing no. **W09-24**
sheet 12 of 13

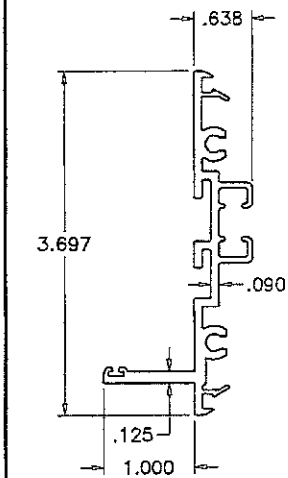


(19) FRAME HEAD/SILL/JAMB/MULLION
INTERIOR GLAZED

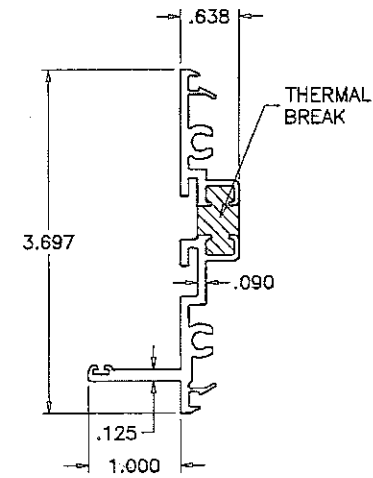


(19A) FRAME HEAD/SILL/JAMB/MULLION
INTERIOR GLAZED (THERMAL)

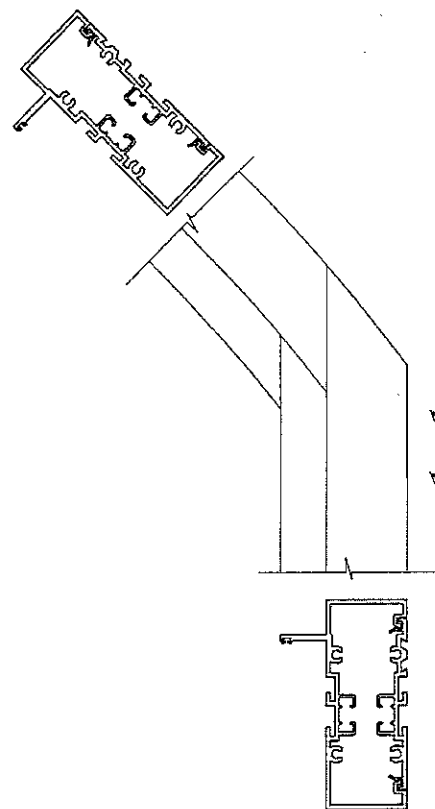
THERMAL BREAK:
FRAME MEMBERS FILLED AND DEBRIDGED USING
'AZON SU312-19T' STRUCTURAL THERMAL BARRIER POLYMER
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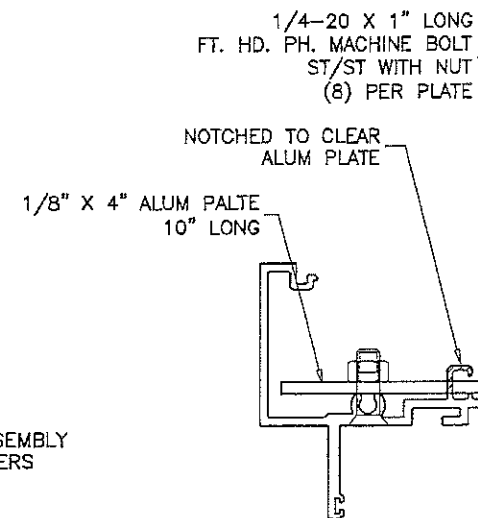
(20) FIN SNAP
INTERIOR GLAZED



(20A) FIN SNAP
INTERIOR GLAZED (THERMAL)



CORNER JOINT AT
EYEBROW WINDOW



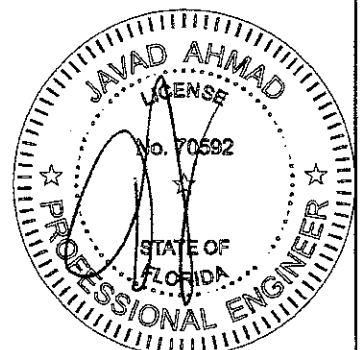
SPLICE JOINT AT
HALF & FULL CIRCLE CORNERS

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Miami-Dade Product Control

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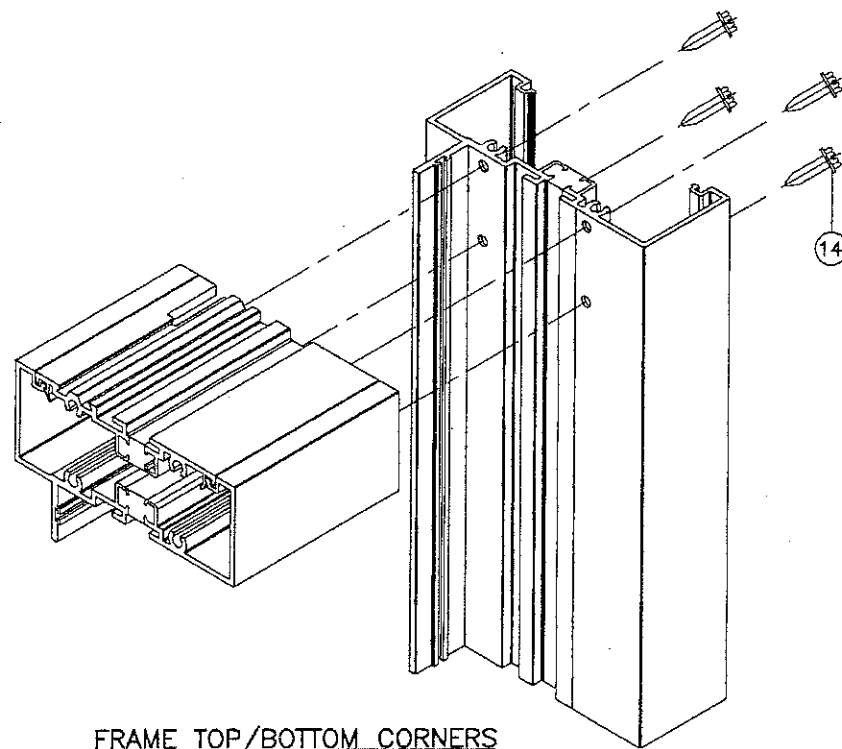
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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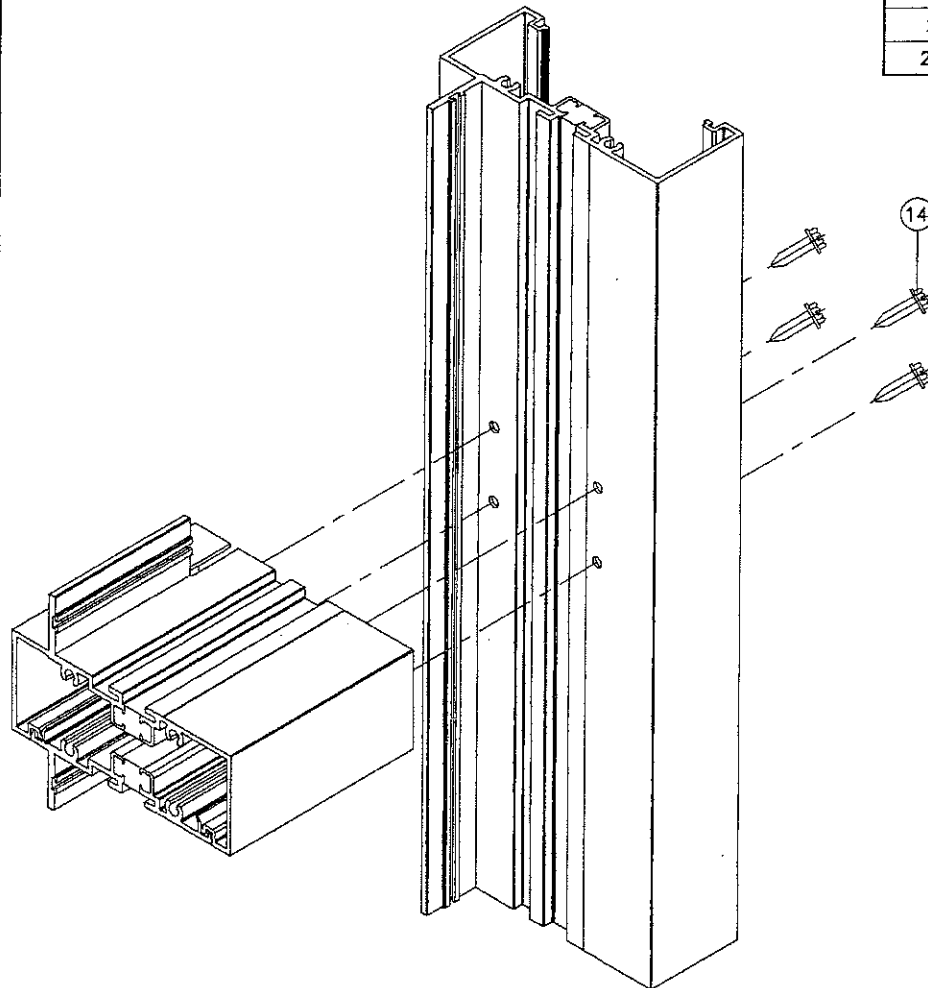
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sheet 12.1 of 13



FRAME TOP/BOTTOM CORNERS



INTERMEDIATE HORIZONTAL CORNER

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SMI-091	AS REQD.	INT. GLAZED FRAME HEAD/SILL/JAMB/MULLION	6063-T6	-
1A	SMI-091T	AS REQD.	INT. GLAZED FRAME HEAD/SILL/JAMB/MULLION (POUR & DEBRIDGE)	6063-T6	-
2	SMI-098	AS REQD.	EXT. GLAZED FRAME HEAD/SILL/INTERM. HORIZ.	6063-T6	-
2A	SMI-098T	AS REQD.	EXT. GLAZED FRAME HEAD/SILL/INTERM. HORIZ. (POUR & DEBRIDGE)	6063-T6	-
3	SMI-094	AS REQD.	INT./EXT. GLAZED PLAIN SNAP	6063-T6	-
3A	SMI-094T	AS REQD.	INT./EXT. GLAZED PLAIN SNAP (POUR & DEBRIDGE)	6063-T6	-
4	SMI-093	AS REQD.	INT./EXT. GLAZED FIN SNAP	6063-T6	-
4A	SMI-093T	AS REQD.	INT./EXT. GLAZED FIN SNAP (POUR & DEBRIDGE)	6063-T6	-
5	SMI-095	AS REQD.	REINFORCING SPLICE	6005-T5	-
5A	SMI-P04	AS REQD.	THERMAL BRAKE SPACER FOR ALUM SPLICE	RIGID PVC	CENTRAL PLASTICS INC.
6	-	AS REQD.	REINFORCING BAR	STEEL	36 KSI MIN.
7	SMI-092	AS REQD.	INTERIOR GLASS STOP	6063-T6	-
8	SMI-097	AS REQD.	EXTERIOR GLASS STOP	6063-T6	-
9	SMI-G01	AS REQD.	INTERIOR GASKET (DUROMETER 70±5)	EPDM	GLAZING RUBBER PRODUCTS (#116)
10	SMI-G02	AS REQD.	SINGLE FACE TAPE (3/8" X 1/2")	VINYL FOAM	FRANK LOWE
11	SMI-G07	AS REQD.	EXTERIOR GASKET (DUROMETER 70±5)	EPDM	CENTRAL PLASTICS INC.
11A	SMI-G13	AS REQD.	SPACER / RETAINER OUTER GASKET	SANTOPRENE	MELTPOINT PLASTICS INTERNATIONAL
12	SMI-SB06	2/ LITE	SETTING BLOCK LAM. GLASS (3/8" X 5/8" X 4" LG.) (DUROMETER 85±5)	EPDM	CENTRAL PLASTICS INC.
12A	SMI-SB04	2/ LITE	SETTING BLOCK LAM. INSUL. GLASS (3/8" X 1-1/4" X 4" LG.) (DUROMETER 85±5)	EPDM	CENTRAL PLASTICS INC.
14	#12 X 1-1/2"	4/ CORNER	FRAME ASSEMBLY SCREWS	ST. STEEL	HEX. HEAD MACHINE SCREWS
15	-	AS REQD.	REINFORCING CHANNEL (36 KSI MIN.)	STEEL	-
16	-	-	REINFORCING CHANNEL (DOOR MULLION)	STEEL	1" X 3-15/16" X 1" X 3/16" THK.
17	-	-	REINFORCING CHANNEL (DOOR MULLION)	STEEL	3/4" X 3-1/2" X 3/4" X 1/8" THK.
18	SMI-005	AS REQD.	DOOR MULLION	6063-T6	-
19	SMI-901	AS REQD.	INT. GLAZED FRAME HEAD/SILL/JAMB/MULLION	6063-T6	-
19A	SMI-901T	AS REQD.	INT. GLAZED FRAME HEAD/SILL/JAMB/MULLION (POUR & DEBRIDGE)	6063-T6	-
20	SMI-903	AS REQD.	INT. GLAZED FIN SNAP	6063-T6	-
20A	SMI-903T	AS REQD.	INT. GLAZED FIN SNAP (POUR & DEBRIDGE)	6063-T6	-

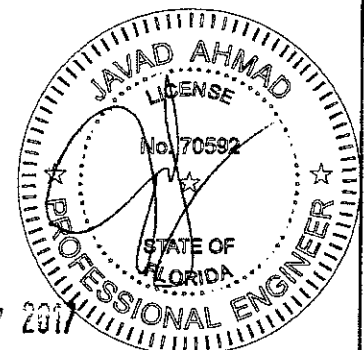
SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME SEALED WITH SILICONE SEALANT.

PRODUCT REVISED
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Expiration Date 05/12/2020

By *Manuel Perez*
Miami-Dade Product Control



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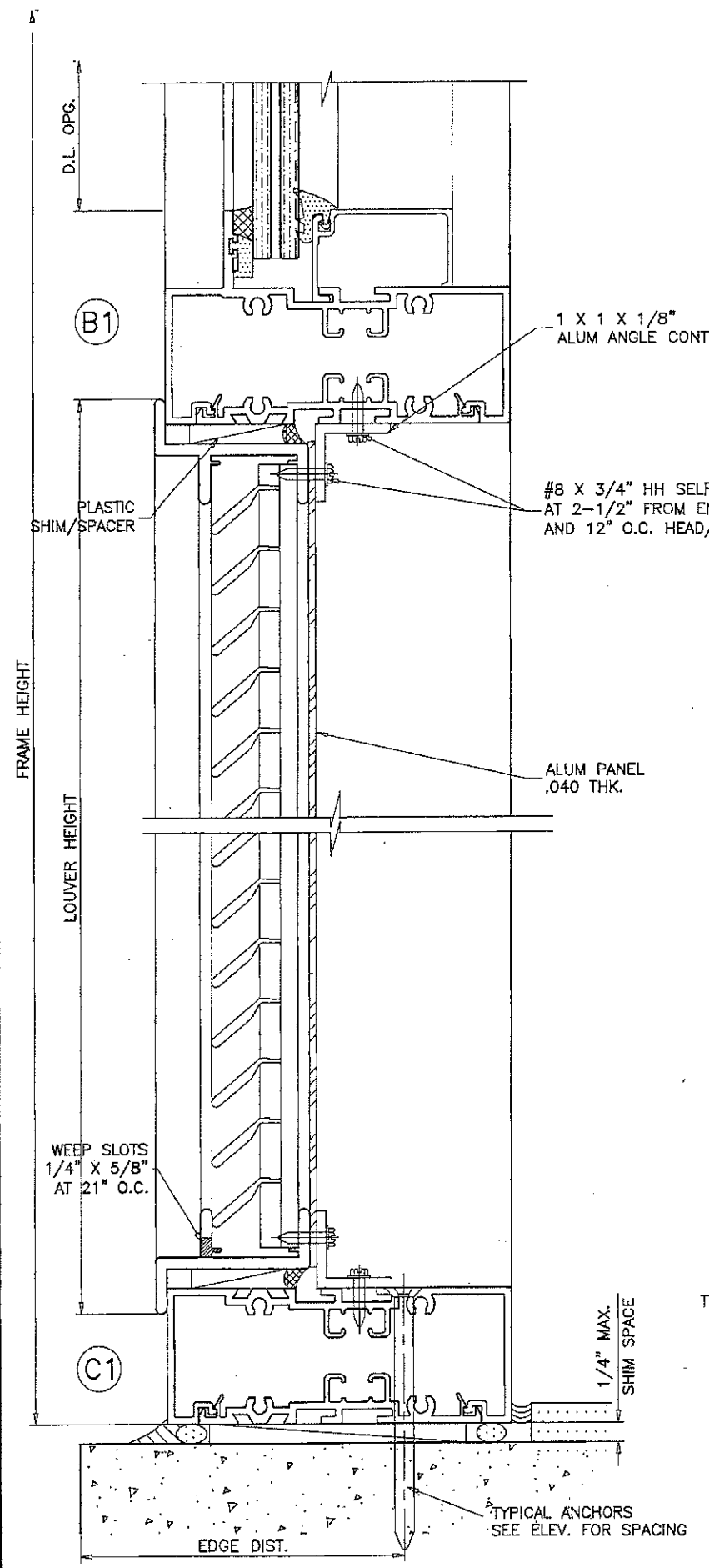
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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MIAMI, FLORIDA 33173
TEL. (305) 262-6978 FAX. (305) 262-6978
C.A.N. 3588

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11500 MIRAMAR PARKWAY SUITE 300
MIRAMAR, FL. 33025
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dr. by:	TARIQ
chk. by:	

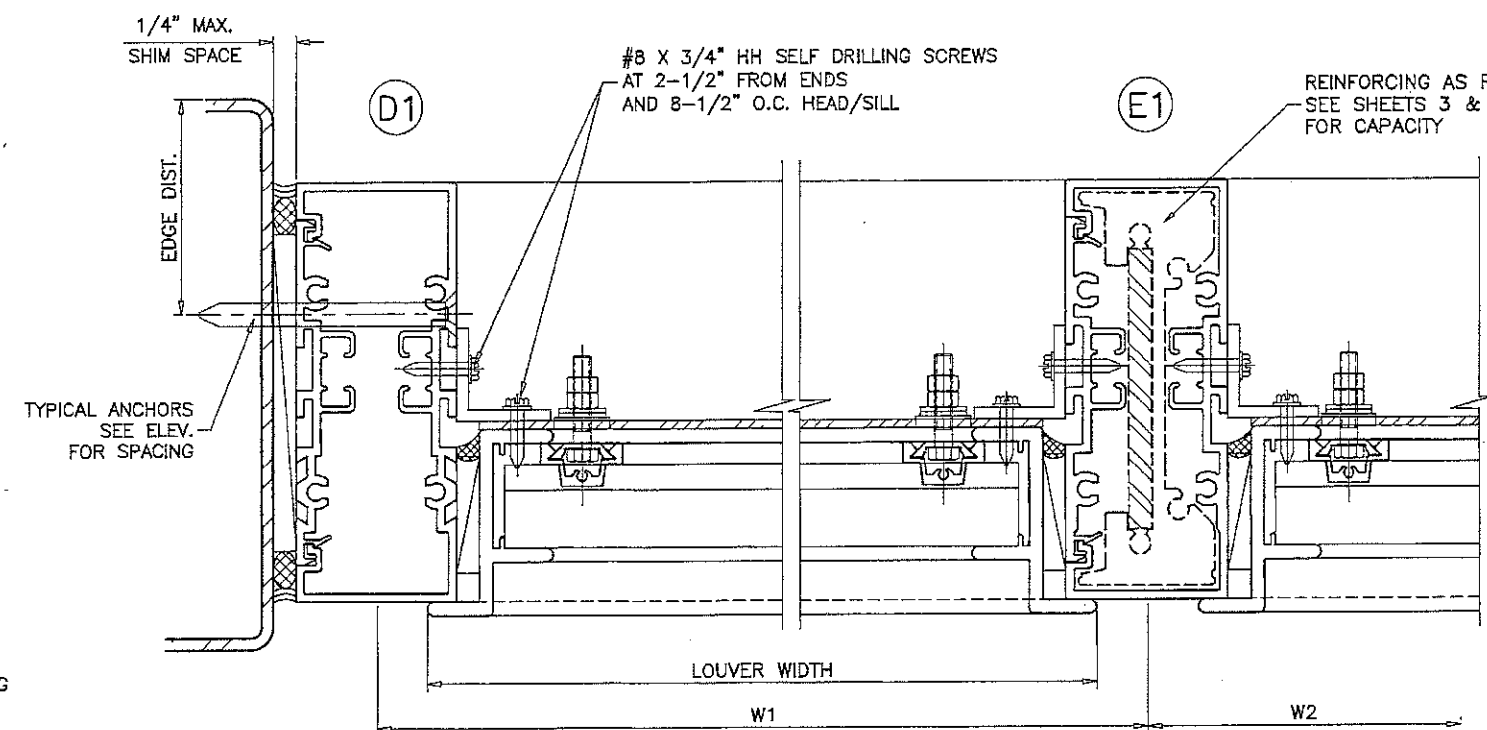
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sheet	13 of 13



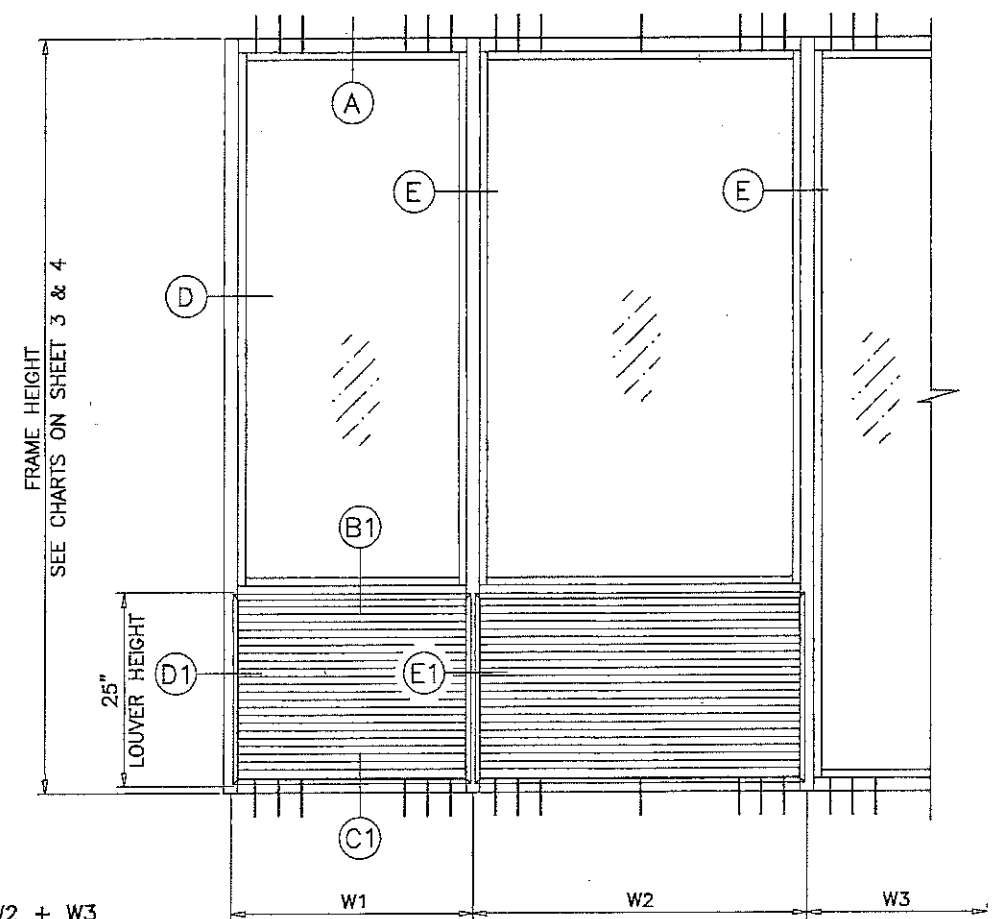
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 Miami-Dade Product Control

WIDTH (W) = W1
 AT FRAME JAMB

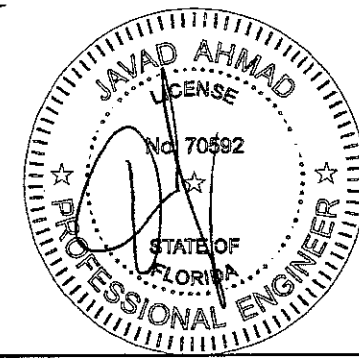
WIDTH (W) = $\frac{W2 + W3}{2}$
 AT FRAME MULLION



FOR LOUVER FRAMES WITH INTERMEDIATE VERTICAL MULLIONS
 REFER TO APPLICABLE CHARTS ON SHEETS 3 & 4.



TYPICAL INSTALLATION OF LOUVERS IN THE WINDOW WALL SYSTEM
 USE ALUMINUM LOUVERS HOLDING CURRENT NOA
 DETAILS FOR 'RELIABLE PRODUCTS' APPROVED LOUVERS SHOWN



afC

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 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
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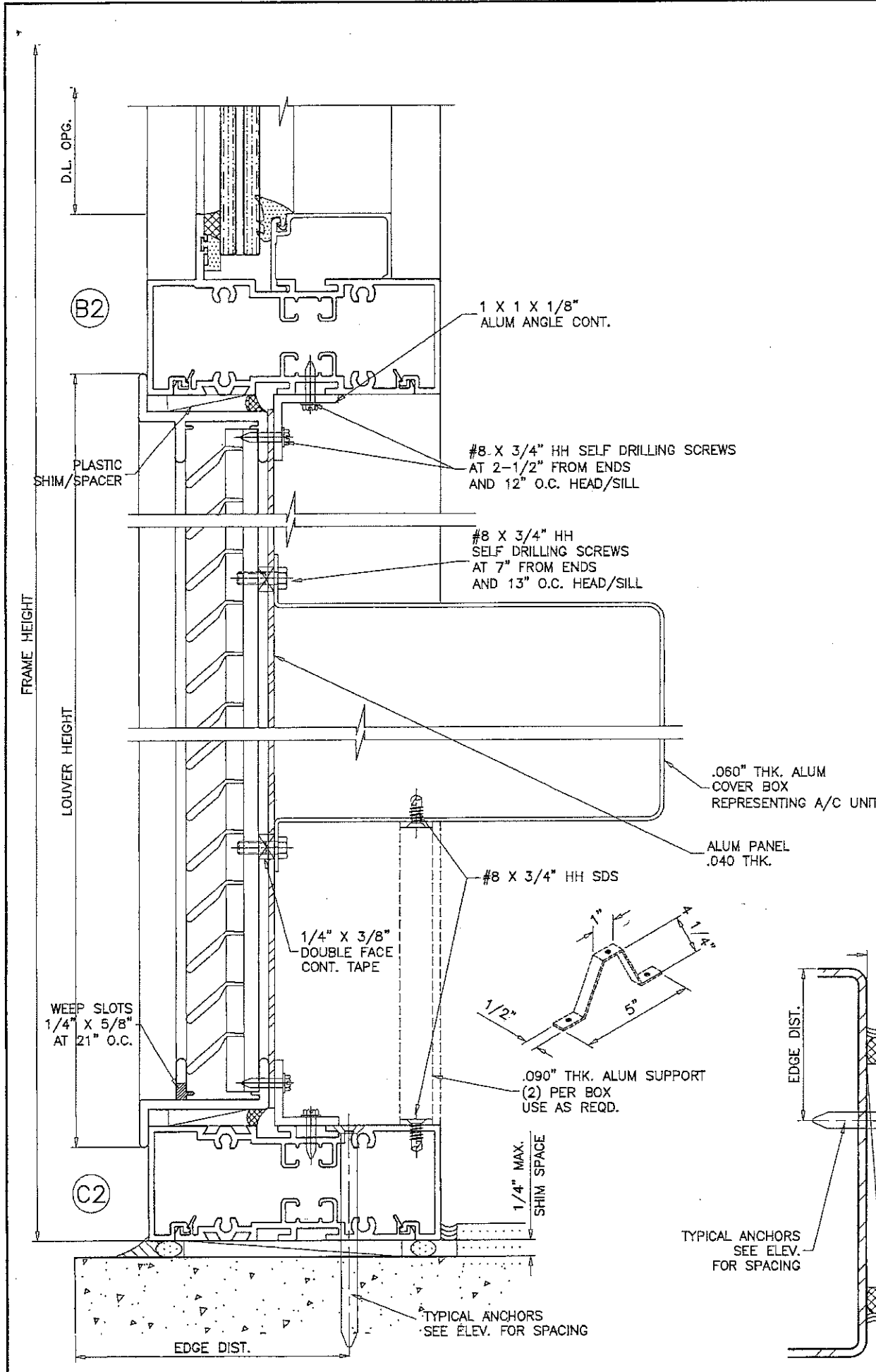
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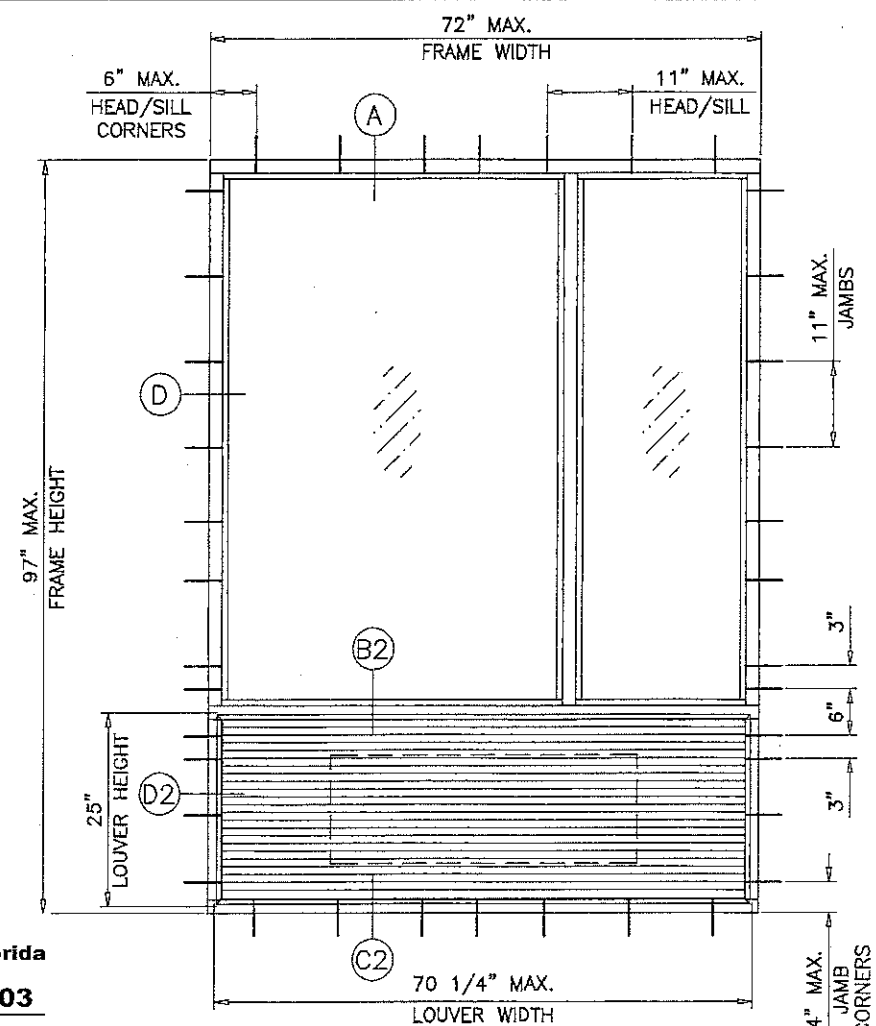
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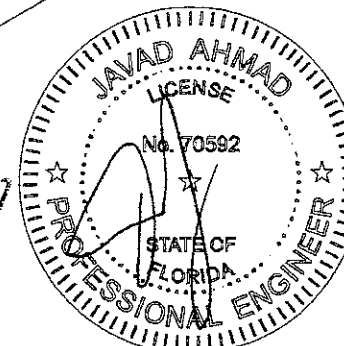
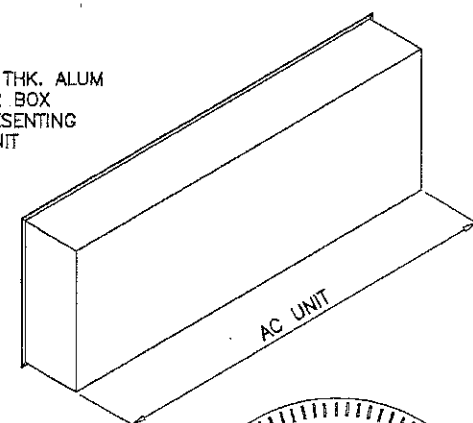
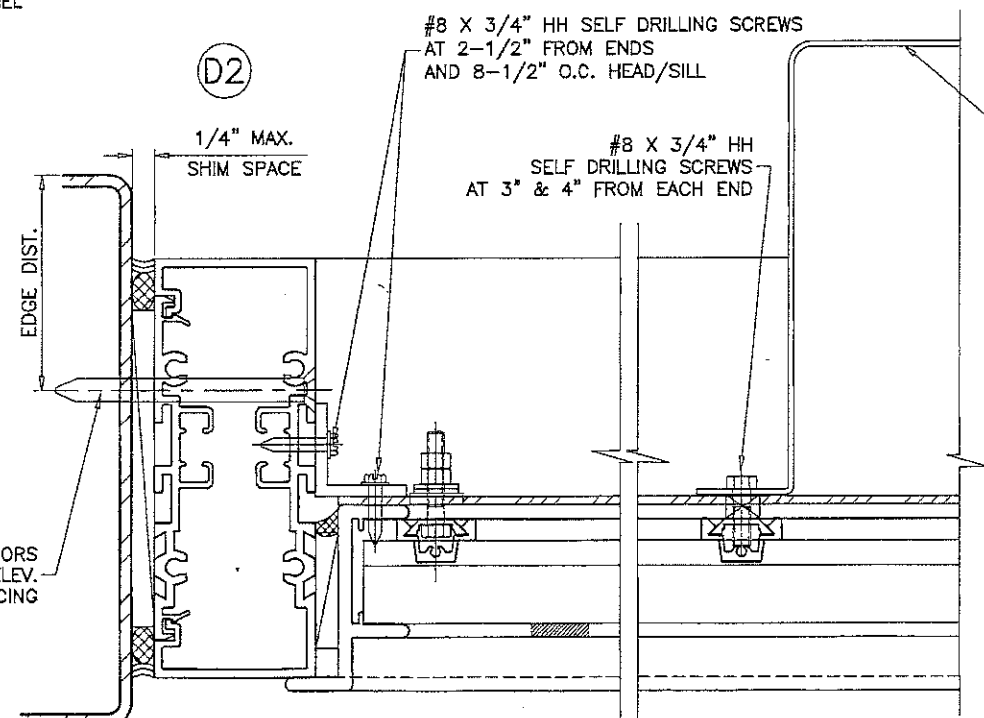
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W09-24
 sheet 13.1 of 13



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 By *Wahid Parag*
 Miami-Dade Product Control



WINDOW WALL SYSTEM WITH LOUVERS TO ACCOMMODATE A/C UNIT
 USE ALUMINUM LOUVERS HOLDING CURRENT NOA
 DETAILS FOR 'RELIABLE PRODUCTS' APPROVED LOUVERS SHOWN



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 sheet 13.2 of 13