



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
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

Aldora Aluminum & Glass Products, Inc.

4250 Coral Ridge Drive

Coral Springs, FL 33065

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 "Front Set" Aluminum Window Wall System – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W14-12**, titled "Series Front Set Alum Window Wall Sys. (L.M.I.)", sheets 1, 1.1, 2, 3, 3.1, 4, 5, 6, 7, 7.1, 8, 9, 10, 10.1, 11, 11.1, 11.2, 11.3 and 12 through 19 of 19, dated 03/21/14, with revision **E** dated 06/25/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control 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.

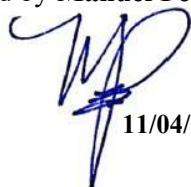
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 NOA No. 19-1001.15** 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 **Manuel Perez, P.E.**




11/04/20

NOA No. 20-0910.06
Expiration Date: July 03, 2024
Approval Date: November 12, 2020
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 No. 14-0415.06)
2. Drawing No. **W14-12**, titled "Series Front Set Alum Window Wall Sys. (L.M.I.)", sheets 1, 1.1, 2, 3, 3.1, 4, 5, 6, 7, 7.1, 8, 9, 10, 10.1, 11, 11.1, 11.2, 11.3 and 12 through 19 of 19, dated 03/21/14, with revision **D** dated 11/04/19, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No. 19-1001.15)

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 Series FS300 aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-10679**, dated 04/24/19, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 19-1001.15)
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 a series "Summit" aluminum outswing doors, prepared by Blackwater Testing, Inc., Test Report No. **BT-ALD-17-001**, dated 03/23/18 and revised and re-issued on 11/12/19, signed and sealed by Constantin Bortes, P.E.
(Submitted under NOA No. 19-1001.15)
3. 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-7140** dated 11/27/13, signed and sealed by Marlin D. Brinson, P.E.
(Submitted under NOA No. 14-0415.06)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 20-0910.06
Expiration Date: July 03, 2024
Approval Date: November 12, 2020

Aldora Aluminum & Glass Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

B. TESTS (CONTINUED)

4. 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 Reports No. **FTL-7641**, dated 03/18/14, signed and sealed by Marlin D. Brinson, P.E.
(Submitted under NOA No. 14-0415.06)
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
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-7698**, dated 03/18/14, signed and sealed by Marlin D. Brinson, P.E.
(Submitted under NOA No. 14-0415.06)
6. 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 Blackwater Testing, Inc., Test Report No. **BT-ALD-15-005**, dated 10/28/15 and 02/23/16, both signed and sealed by Yamil Gerardo Kuri, P.E.
(Submitted under NOA No. 17-0201.04)
7. 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-15-008**, dated 02/23/16, signed and sealed by Yamil Gerardo Kuri, P.E.
(Submitted under NOA No. 17-0201.04)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)**, dated 09/24/19, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No. 19-1001.15)
2. Glazing complies with **ASTM E1300-09**.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 20-0910.06
Expiration Date: July 03, 2024
Approval Date: November 12, 2020

Aldora Aluminum & Glass Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS


1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 12/28/17, expiring on 07/04/23.
2. Notice of Acceptance No. **19-0221.01** issued to **Allnex USA, Inc.** for their "**Uveköl® S Laminated Glass Interlayer**", dated 03/28/19, expiring on 02/08/24.
3. Notice of Acceptance No. **17-0712.05** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 09/07/17, expiring on 05/21/21.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)**, and of no financial interest, dated September 24, 2019, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under NOA No. 19-1001.15)
2. Laboratory compliance letter for Test Reports No. **BT-ALD-15-005**, dated 10/28/15 and **BT-ALD-15-008**, dated 02/23/16, both issued by Blackwater Testing, Inc., both signed and sealed by Yamil Gerardo Kuri, P.E.
(Submitted under NOA No. 17-0201.04)
3. Proposal No. **12-1644** issued by the Product Control Section, dated September 10, 2012, signed by Manuel Perez, P.E.
(Submitted under NOA No. 14-0415.06)

G. OTHERS

1. Notice of Acceptance No. **19-0124.06**, issued to Aldora Aluminum & Glass Products, Inc. for their Series "Front Set" Aluminum Window Wall System – L.M.I., approved on 02/21/19 and expiring on 07/03/24.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 20-0910.06
Expiration Date: July 03, 2024
Approval Date: November 12, 2020

Aldora Aluminum & Glass Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W14-12**, titled “Series Front Set Alum Window Wall Sys. (L.M.I.)”, sheets 1, 1.1, 2, 3, 3.1, 4, 5, 6, 7, 7.1, 8, 9, 10, 10.1, 11, 11.1, 11.2, 11.3 and 12 through 19 of 19, dated 03/21/14, with revision **E** dated 06/25/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 01/26/17, with **FBC 6th Edition (2017)**, dated 10/24/17 and updated on 07/22/20 to comply with **FBC 7th Edition (2020)**, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, 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. **19-0305.02** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 05/09/19, expiring on 07/08/24.
2. Notice of Acceptance No. **18-0725.11** issued to **Kuraray America, Inc.** for their “**Kuraray SentryGlas® Xtra™ (SGX™) Clear Glass Interlayer**” dated 05/23/19, expiring on 05/23/24.

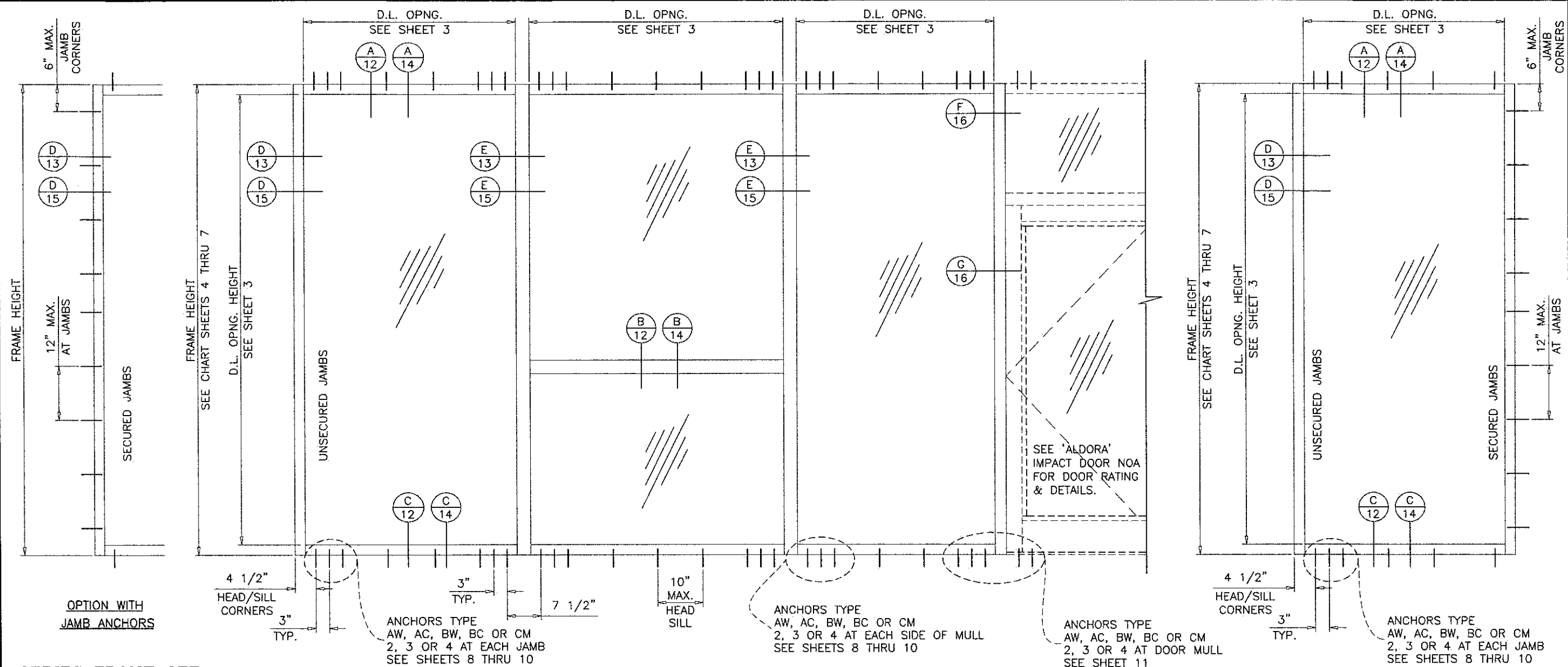
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)**, with **FBC 7th Edition (2020)** and of no financial interest, dated July 22, 2020, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

G. OTHERS

1. Notice of Acceptance No. **19-1001.15**, issued to Aldora Aluminum & Glass Products, Inc. for their Series “Front Set” Aluminum Window Wall System – L.M.I., approved on 11/27/19 and expiring on 07/03/24.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 20-0910.06
Expiration Date: July 03, 2024
Approval Date: November 12, 2020



SERIES FRONT SET ALUMINUM WINDOW WALL SYSTEM

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 2017 (6TH EDITION)/2020 (7TH 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 2017/2020 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.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

TYPICAL ELEVATIONS

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

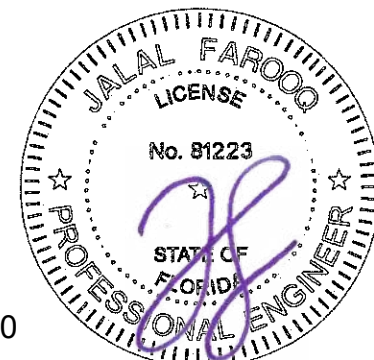
- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEET 3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEETS 4 THRU 7 FOR STOREFRONT MULLION AND SHEET 11 FOR DOOR MULLION. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** USING CHART ON SHEETS 8 THRU 10 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.

THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED. WINDOW WALL FRAMES MAY BE WITH OR WITHOUT THERMAL BREAK.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0910.06**
Expiration Date: **07/03/2024**
By: *Manuel Perez*
Miami-Dade Product Control

Sealed: 09/09/2020



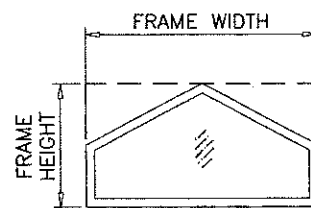
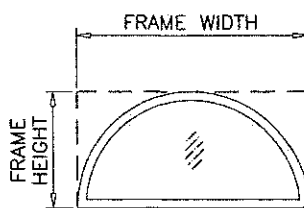
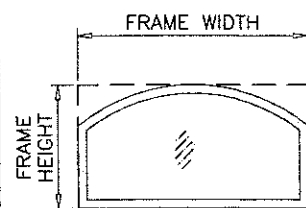
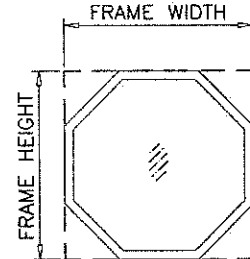
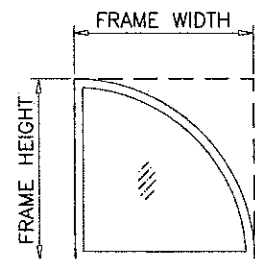
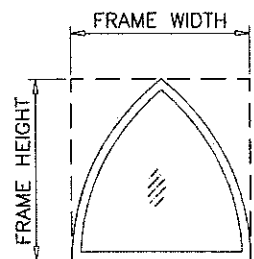
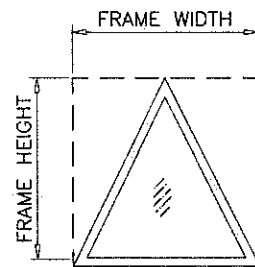
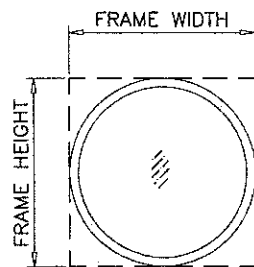
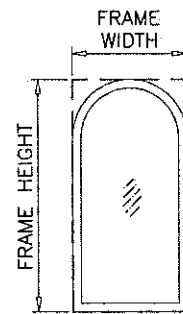
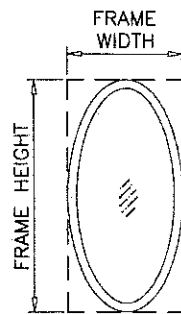
SERIES FRONT SET ALUM WINDOW WALL SYS. (L.M.I.)
Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive
Coral Springs, FL 33065
Tel. (305) 888-6288 Fax. (305) 888-6289

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL W14-12AGP

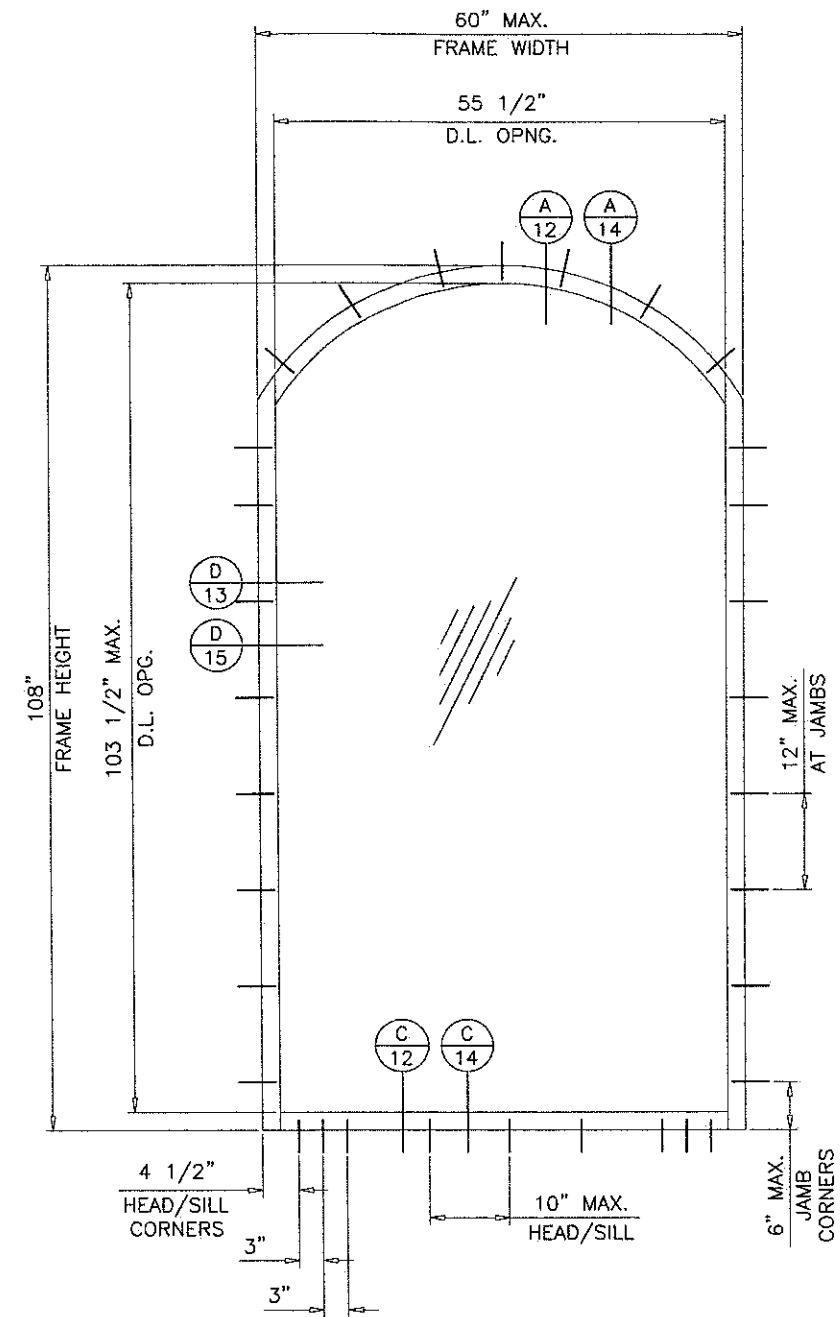
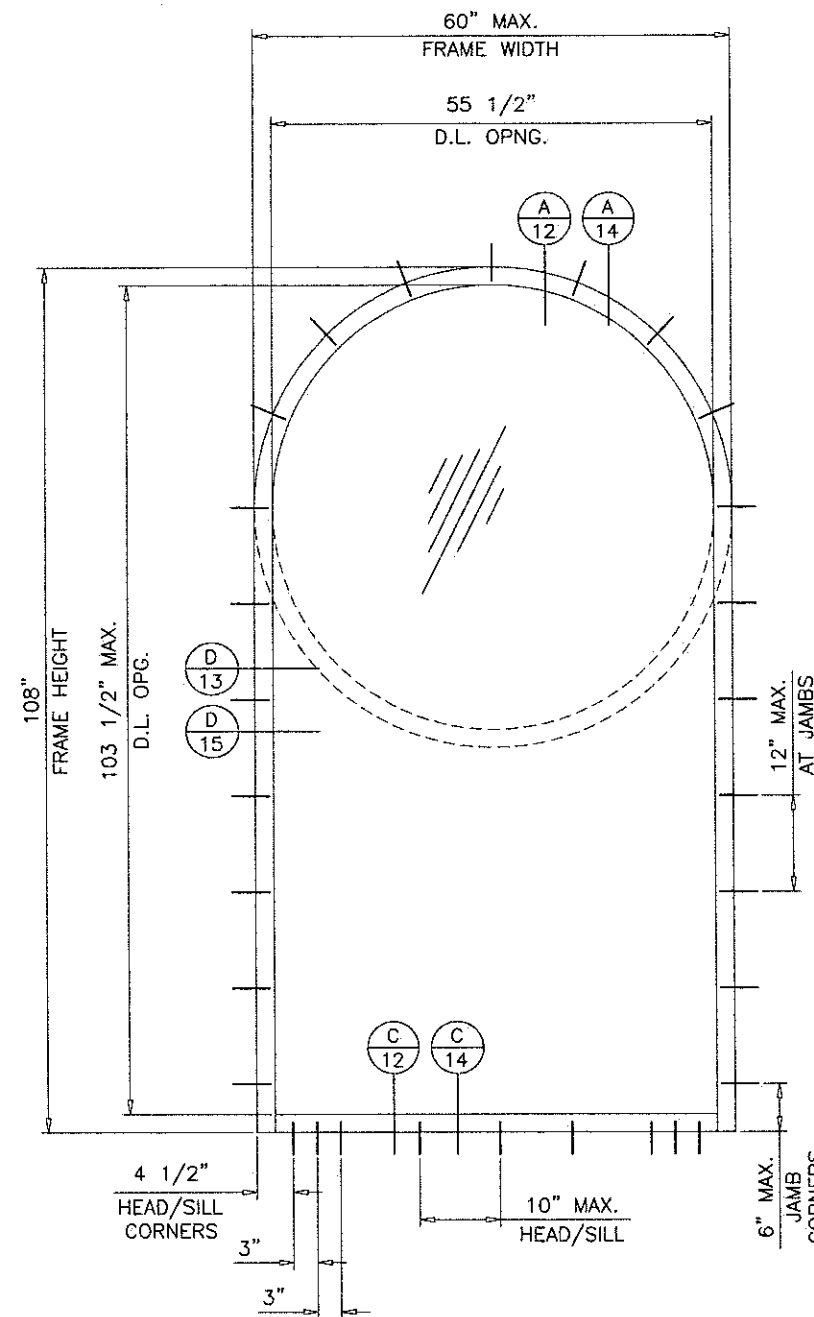
revisions:	no	date	by	description
	A	10.20.17		GENERAL REVISION
	B	10.05.17		REV. PER RER COMMENTS
	C	06.26.19		GENERAL REVISION
	D	11.04.19		MANUF. ADDRESS REV.
	E	06.25.20		UPDATED TO 2020 FBC

date: 03-21-14	scale: 1/2"=1'-0"	dr. by: TARIQ	chk. by:
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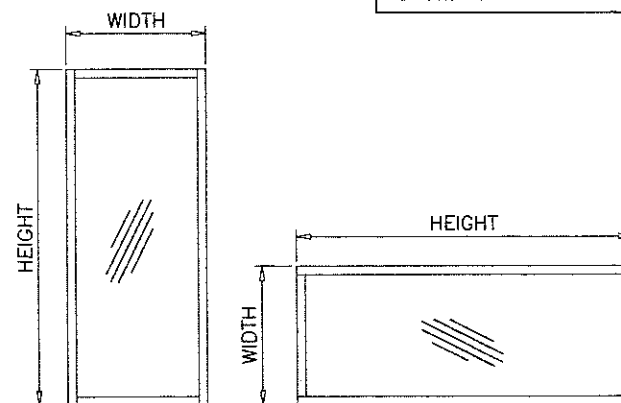
drawing no.	W14-12
sheet	1 of 19



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES. INSTALLATION ANCHORS AT 4-1/2" FROM FRAME CORNERS AND 10" O.C. MAX.

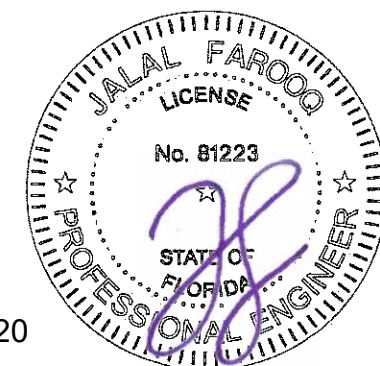


GLASS TYPE 'G3' & 'G4'
MAXIMUM DESIGN LOAD RATING = + 80.0 PSF
(FOR SHAPES AND SIZE SHOWN ON THIS SHEET ONLY)
- 100.0 PSF



NOTE:
WIDTH AND HEIGHT DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0910.06**
Expiration Date: **07/03/2024**
By: *Manuel Perez*
Miami-Dade Product Control



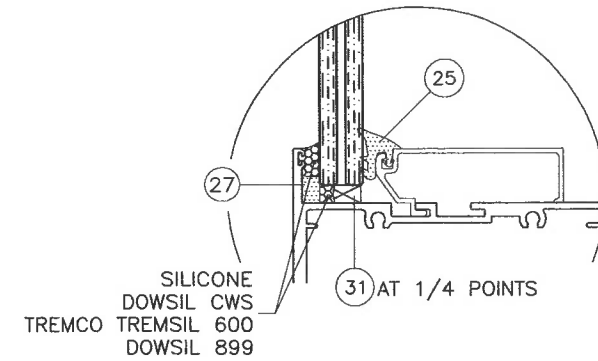
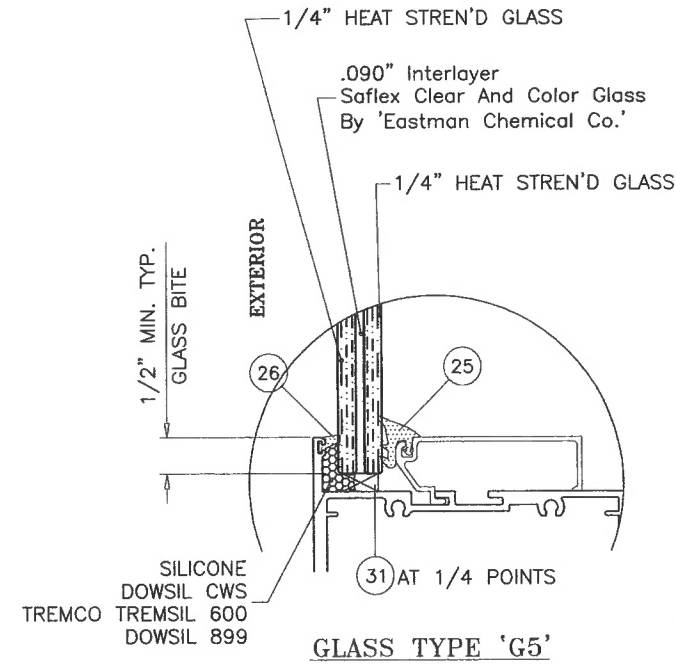
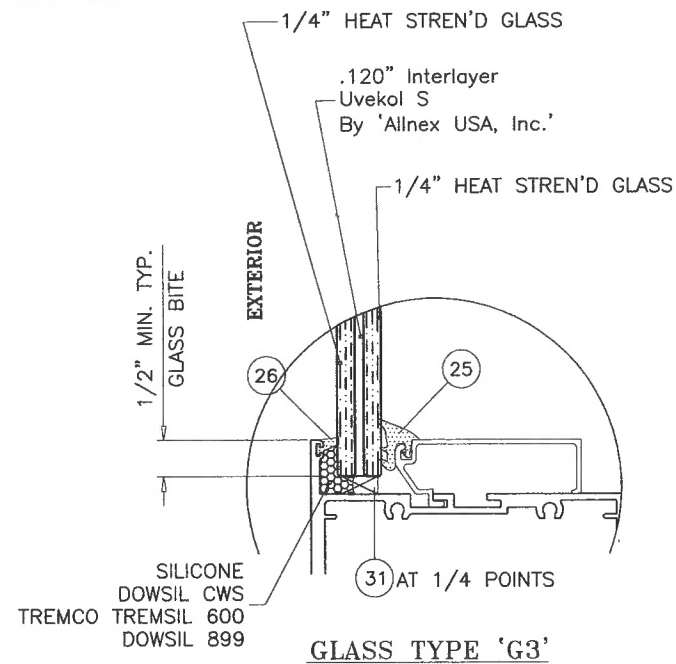
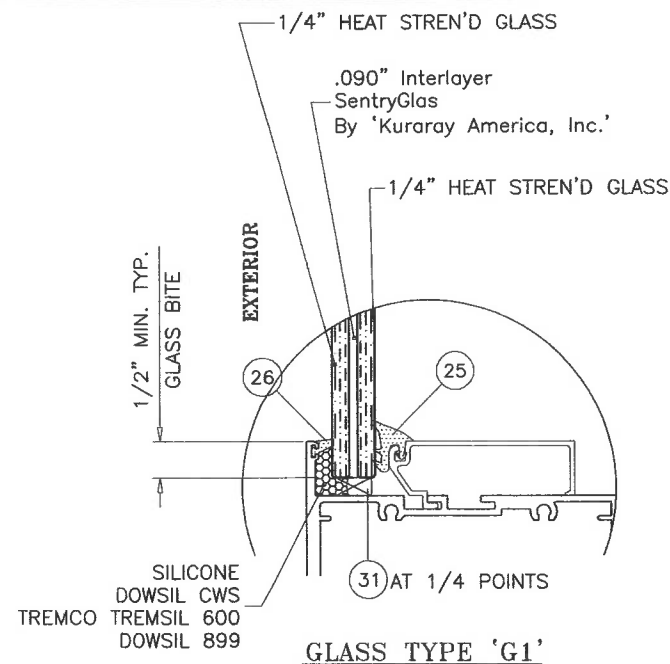
Sealed: 09/09/2020

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\W14-12AGP

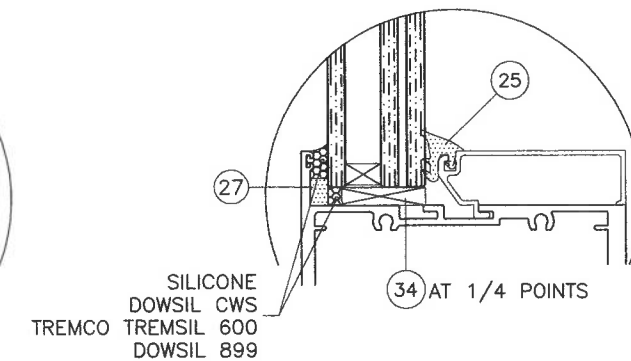
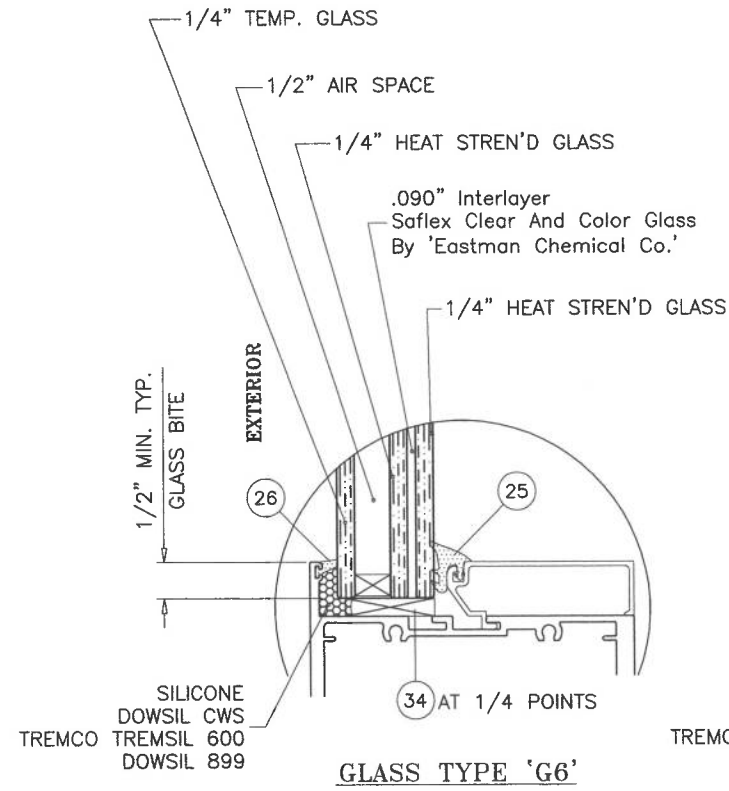
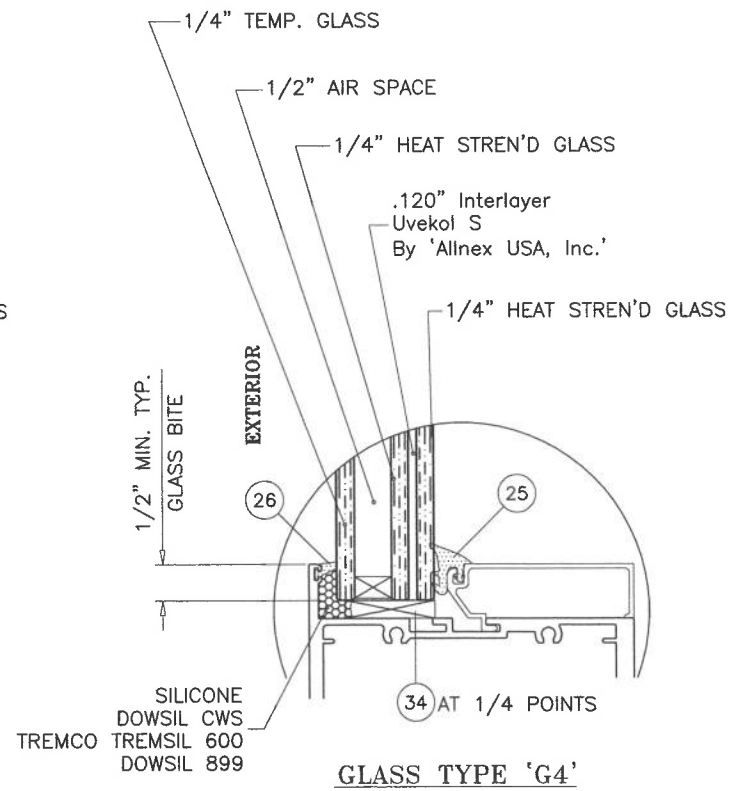
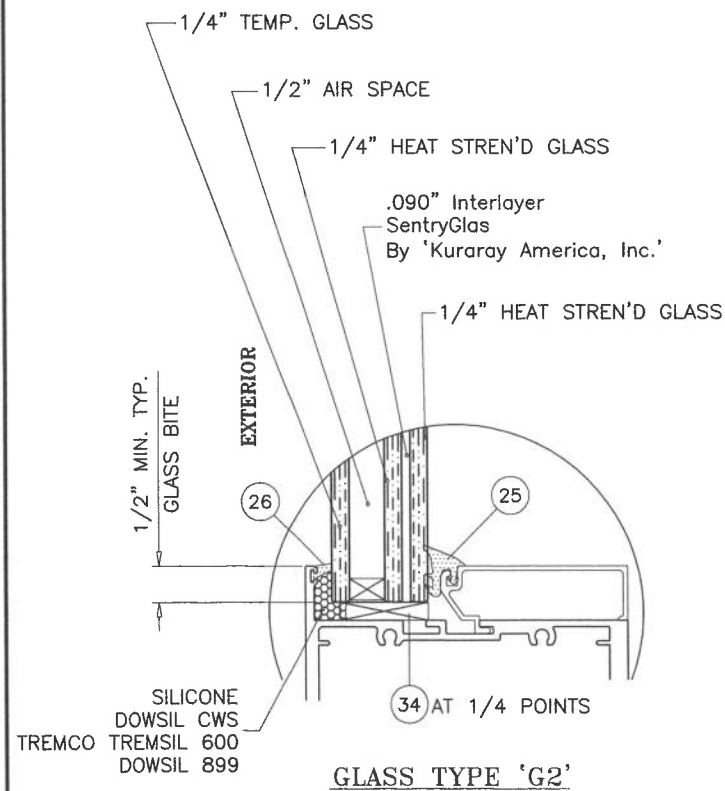
SERIES FRONT SET ALUM WINDOWALL SYS. (L.M.I.)
Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive
Coral Springs, FL. 33065
Tel. (305) 888-6288 Fax. (305) 888-6289

revisions:	
no	date by description
A	01.20.17 GENERAL REVISION
B	10.05.17 NO CHANGE THIS SHEET
C	06.26.19 NO CHANGE THIS SHEET
D	11.04.19 MANUF. ADDRESS REV.
E	06.25.20 UPDATED TO 2020 FBC

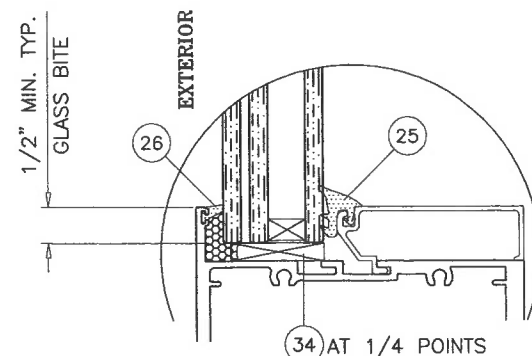
date: 03-21-14
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dr. by: TARIQ
chk. by:
drawing no.
W14-12
sheet 1.1 of 19



ALTERNATE GLAZING DETAIL
OPTIONAL FOR GLASS TYPES 'G1', 'G3' & 'G5'



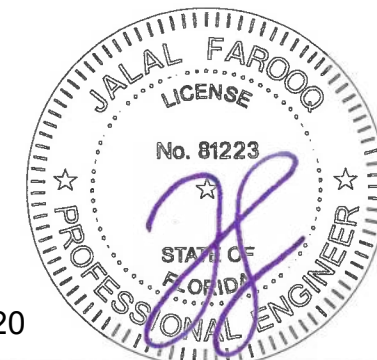
ALTERNATE GLAZING DETAIL
OPTIONAL FOR GLASS TYPES 'G2', 'G4' & 'G6'



LAMINATED GLASS ON EXTERIOR
OPTIONAL FOR GLASS TYPES 'G2', 'G4' & 'G6'

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

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0910.06**
Expiration Date: **07/03/2024**
By: *Manuel Torres*
Miami-Dade Product Control



Sealed: 09/09/2020

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\W14-12AGP

SERIES FRONT SET ALUM WINDOWALL SYS. (L.M.I.)
Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive
Coral Springs, FL. 33065
Tel. (305) 888-6288 Fax. (305) 888-6289

revisions:	no	date	by	description
	A	01.20.17		GENERAL REVISION
	B	10.05.17		REV. PER RER COMMENTS
	C	06.26.19		GENERAL REVISION
	D	11.04.19		MANUF. ADDRESS REV.
	E	06.25.20		UPDATED TO 2020 FBC

date: 03-21-14	scale: -	dr. by: TARIQ	chk. by:
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drawing no.	W14-12
sheet	2 of 19

GLASS LOAD CAPACITY – PSF							
NOMINAL DIMS.		GLASS TYPES					
		'G1' & 'G2'		'G3' & 'G4'		'G5' & 'G6'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
33"	73–1/2"	120.0	135.0	120.0	135.0	65.0	75.0
36"		120.0	135.0	120.0	135.0	65.0	75.0
39"		120.0	135.0	120.0	135.0	65.0	75.0
42"		120.0	135.0	120.0	135.0	65.0	75.0
45"		120.0	135.0	120.0	135.0	65.0	75.0
48"		120.0	135.0	120.0	135.0	65.0	75.0
51"		120.0	135.0	120.0	135.0	65.0	75.0
54"		120.0	135.0	120.0	135.0	65.0	75.0
57"		120.0	135.0	120.0	135.0	65.0	75.0
60"		120.0	135.0	120.0	135.0	65.0	75.0
63"		90.0	90.0	80.0	100.0	65.0	75.0
66"		80.0	80.0	80.0	100.0	65.0	75.0
69"		80.0	80.0	80.0	100.0	65.0	75.0
33"	79–1/2"	120.0	135.0	120.0	135.0	65.0	75.0
36"		120.0	135.0	120.0	135.0	65.0	75.0
39"		120.0	135.0	120.0	135.0	65.0	75.0
42"		120.0	135.0	120.0	135.0	65.0	75.0
45"		120.0	135.0	120.0	135.0	65.0	75.0
48"		120.0	135.0	120.0	135.0	65.0	75.0
51"		120.0	135.0	120.0	135.0	65.0	75.0
54"		120.0	135.0	120.0	135.0	65.0	75.0
57"		90.0	90.0	80.0	100.0	65.0	75.0
60"		80.0	80.0	80.0	100.0	65.0	75.0
63"		80.0	80.0	80.0	100.0	65.0	75.0
66"		80.0	80.0	80.0	100.0	–	–
69"		80.0	80.0	80.0	100.0	–	–
33"	85–1/2"	120.0	135.0	120.0	135.0	65.0	75.0
36"		120.0	135.0	120.0	135.0	65.0	75.0
39"		120.0	135.0	120.0	135.0	65.0	75.0
42"		120.0	135.0	120.0	135.0	65.0	75.0
45"		120.0	135.0	120.0	135.0	65.0	75.0
48"		120.0	135.0	120.0	135.0	65.0	75.0
51"		120.0	135.0	120.0	135.0	65.0	75.0
54"		90.0	90.0	80.0	100.0	65.0	75.0
57"		80.0	80.0	80.0	100.0	65.0	75.0
60"		80.0	80.0	80.0	100.0	65.0	75.0
63"		80.0	80.0	80.0	100.0	–	–
66"		80.0	80.0	80.0	100.0	–	–
69"		80.0	80.0	80.0	80.0	–	–
33"	91–1/2"	120.0	135.0	120.0	135.0	65.0	75.0
36"		120.0	135.0	120.0	135.0	65.0	75.0
39"		120.0	135.0	120.0	135.0	65.0	75.0
42"		120.0	135.0	120.0	135.0	65.0	75.0
45"		120.0	135.0	120.0	135.0	65.0	75.0
48"		120.0	135.0	120.0	135.0	65.0	75.0
51"		80.0	80.0	80.0	100.0	65.0	75.0
54"		80.0	80.0	80.0	100.0	65.0	75.0
57"		80.0	80.0	80.0	100.0	–	–
60"		80.0	80.0	80.0	100.0	–	–
63"		80.0	80.0	80.0	80.0	–	–
66"		80.0	80.0	80.0	80.0	–	–
69"		80.0	80.0	80.0	80.0	–	–

GLASS LOAD CAPACITY – PSF							
NOMINAL DIMS.		GLASS TYPES					
		'G1' & 'G2'		'G3' & 'G4'		'G5' & 'G6'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
33"	97–1/2"	120.0	135.0	120.0	135.0	65.0	75.0
36"		120.0	135.0	120.0	135.0	65.0	75.0
39"		120.0	135.0	120.0	135.0	65.0	75.0
42"		120.0	135.0	120.0	135.0	65.0	75.0
45"		120.0	135.0	120.0	135.0	65.0	75.0
48"		80.0	80.0	80.0	100.0	65.0	75.0
51"		80.0	80.0	80.0	100.0	65.0	75.0
54"		80.0	80.0	80.0	100.0	–	–
57"		80.0	80.0	80.0	100.0	–	–
60"		80.0	80.0	80.0	80.0	–	–
63"		80.0	80.0	80.0	80.0	–	–
66"		80.0	80.0	80.0	80.0	–	–
69"		60.0	60.0	80.0	80.0	–	–
33"	103–1/2"	120.0	135.0	120.0	135.0	65.0	75.0
36"		120.0	135.0	120.0	135.0	65.0	75.0
39"		120.0	135.0	120.0	135.0	65.0	75.0
42"		120.0	135.0	120.0	135.0	65.0	75.0
45"		90.0	90.0	80.0	100.0	65.0	75.0
48"		80.0	80.0	80.0	100.0	65.0	75.0
51"		80.0	80.0	80.0	100.0	–	–
54"		80.0	80.0	80.0	100.0	–	–
57"		80.0	80.0	80.0	80.0	–	–
60"		80.0	80.0	80.0	80.0	–	–
63"		80.0	80.0	80.0	80.0	–	–
66"		60.0	60.0	80.0	80.0	–	–
69"		60.0	60.0	80.0	80.0	–	–
33"	109–1/2"	120.0	135.0	120.0	135.0	65.0	75.0
36"		120.0	135.0	120.0	135.0	65.0	75.0
39"		120.0	135.0	120.0	135.0	65.0	75.0
42"		90.0	90.0	80.0	100.0	65.0	75.0
45"		80.0	80.0	80.0	100.0	65.0	75.0
48"		80.0	80.0	80.0	100.0	–	–
51"		80.0	80.0	80.0	80.0	–	–
54"		80.0	80.0	80.0	80.0	–	–
57"		80.0	80.0	80.0	80.0	–	–
60"		80.0	80.0	80.0	80.0	–	–
63"		60.0	60.0	80.0	80.0	–	–
66"		60.0	60.0	80.0	80.0	–	–
69"		60.0	60.0	80.0	80.0	–	–
33"	115–1/2"	120.0	135.0	120.0	135.0	65.0	75.0
36"		120.0	135.0	120.0	135.0	65.0	75.0
39"		120.0	135.0	120.0	135.0	65.0	75.0
42"		80.0	80.0	80.0	100.0	65.0	75.0
45"		80.0	80.0	80.0	100.0	65.0	75.0
48"		80.0	80.0	80.0	100.0	–	–
51"		80.0	80.0	80.0	80.0	–	–
54"		80.0	80.0	80.0	80.0	–	–
57"		60.0	60.0	80.0	80.0	–	–
60"		60.0	60.0	80.0	80.0	–	–
63"		60.0	60.0	80.0	80.0	–	–
66"		60.0	60.0	80.0	80.0	–	–
69"		60.0	60.0	80.0	80.0	–	–

GLASS LOAD CAPACITY – PSF							
NOMINAL DIMS.		GLASS TYPES					
		'G1' & 'G2'		'G3' & 'G4'		'G5' & 'G6'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
33"	121–1/2"	120.0	135.0	120.0	135.0	65.0	75.0
36"		120.0	135.0	120.0	135.0	65.0	75.0
39"		80.0	80.0	80.0	100.0	65.0	75.0
42"		80.0	80.0	80.0	100.0	65.0	75.0
45"		80.0	80.0	80.0	100.0	–	–
48"		80.0	80.0	80.0	80.0	–	–
51"		80.0	80.0	80.0	80.0	–	–
54"		80.0	80.0	80.0	80.0	–	–
57"		60.0	60.0	80.0	80.0	–	–
60"		60.0	60.0	80.0	80.0	–	–
63"	127–1/2"	120.0	135.0	120.0	135.0	65.0	75.0
36"		90.0	90.0	80.0	100.0	65.0	75.0
39"		80.0	80.0	80.0	100.0	65.0	75.0
42"		80.0	80.0	80.0	100.0	–	–
45"		80.0	80.0	80.0	100.0	–	–
48"		80.0	80.0	80.0	80.0	–	–
51"		80.0	80.0	80.0	80.0	–	–
54"		60.0	60.0	80.0	80.0	–	–
57"		60.0	60.0	80.0	80.0	–	–
60"		60.0	60.0	80.0	80.0	–	–
33"	133–1/2"	120.0	135.0	120.0	135.0	65.0	75.0
36"		80.0	80.0	80.0	100.0	65.0	75.0
39"		80.0	80.0	80.0	100.0	–	–
42"		80.0	80.0	80.0	100.0	–	–
45"		80.0	80.0	80.0	80.0	–	–
48"		80.0	80.0	80.0	80.0	–	–
51"		60.0	60.0	80.0	80.0	–	–
54"		60.0	60.0	80.0	80.0	–	–
57"		60.0	60.0	80.0	80.0	–	–
33"	139–1/2"	90.0	90.0	80.0	100.0	65.0	75.0
36"		80.0	80.0	80.0	100.0	65.0	75.0
39"		80.0	80.0	80.0	100.0	–	–
42"		80.0	80.0	80.0	80.0	–	–
45"		80.0	80.0	80.0	80.0	–	–
48"		60.0	60.0	80.0	80.0	–	–
51"		60.0	60.0	80.0	80.0	–	–
54"		60.0	60.0	80.0	80.0	–	–
57"		60.0	60.0	80.0	80.0	–	–

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

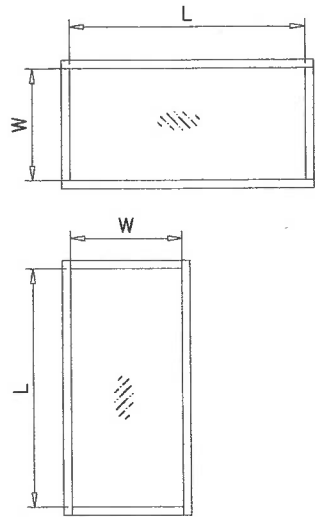
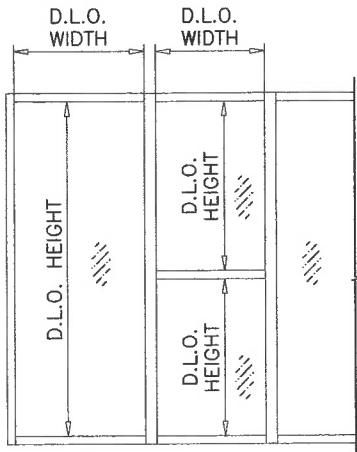
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300–09 (3 SEC. GUSTS).

GLASS

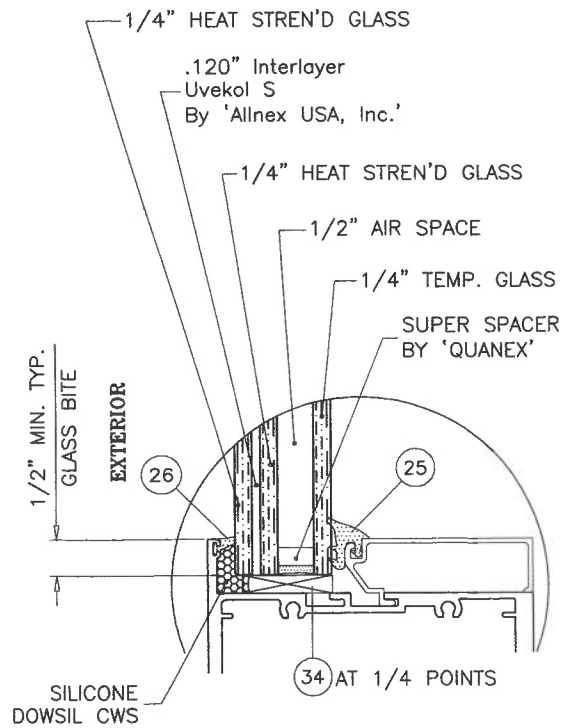
GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPES	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)
33"	73-1/2"	65.0	65.0
36"		65.0	65.0
39"		65.0	65.0
42"		65.0	65.0
45"		65.0	65.0
48"		60.9	60.9
51"		57.4	57.4
54"		54.2	54.2
57"		51.3	51.3
60"		48.8	48.8
63"	79-1/2"	46.4	46.4
66"		44.3	44.3
69"		42.4	42.4
33"		65.0	65.0
36"		65.0	65.0
39"		65.0	65.0
42"		65.0	65.0
45"		65.0	65.0
48"		60.9	60.9
51"		57.4	57.4
54"	85-1/2"	54.2	54.2
57"		51.3	51.3
60"		48.8	48.8
33"		65.0	65.0
36"		65.0	65.0
39"		65.0	65.0
42"		65.0	65.0
45"		65.0	65.0
48"		60.9	60.9
51"		57.4	57.4
54"	91-1/2"	54.2	54.2
57"		51.3	51.3
60"		48.8	48.8
33"		65.0	65.0
36"		65.0	65.0
39"		65.0	65.0
42"		65.0	65.0
45"		65.0	65.0
48"		60.9	60.9
51"		57.4	57.4
54"	97-1/2"	54.2	54.2
33"		65.0	65.0
36"		65.0	65.0
39"		65.0	65.0
42"		65.0	65.0
45"		65.0	65.0
48"		60.9	60.9
51"		57.4	57.4

GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPES	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)
33"	103-1/2"	65.0	65.0
36"		65.0	65.0
39"		65.0	65.0
42"		65.0	65.0
45"		65.0	65.0
48"		60.9	60.9
33"	109-1/2"	65.0	65.0
36"		65.0	65.0
39"		65.0	65.0
42"		65.0	65.0
45"		65.0	65.0
48"		60.9	60.9
33"	115-1/2"	65.0	65.0
36"		65.0	65.0
39"		65.0	65.0
42"		65.0	65.0
45"		65.0	65.0
48"		60.9	60.9
33"	121-1/2"	65.0	65.0
36"		65.0	65.0
39"		65.0	65.0
42"		65.0	65.0
45"		65.0	65.0
48"		60.9	60.9
33"	127-1/2"	65.0	65.0
36"		65.0	65.0
39"		65.0	65.0
42"		65.0	65.0
45"		65.0	65.0
48"		60.9	60.9
33"	133-1/2"	65.0	65.0
36"		65.0	65.0
39"		65.0	65.0
42"		65.0	65.0
45"		65.0	65.0
48"		60.9	60.9
33"	139-1/2"	65.0	65.0
36"		65.0	65.0
39"		65.0	65.0
42"		65.0	65.0
45"		65.0	65.0
48"		60.9	60.9

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



NOTE:
WIDTH AND LENGTH DIMENSIONS
CAN BE ORIENTED VERTICALLY OR
HORIZONTALLY AS SHOWN ABOVE.



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0910.06**
Expiration Date: **07/03/2024**
By: *Manuel Ferns*
Miami-Dade Product Control



GLASS

Sealed: 09/09/2020

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL (305) 264-8100 FAX (305) 262-8978
(C.A.N. 3538)
COMP-ANL\W14-12AGP

SERIES FRONT SET ALUM WINDOWALL SYS. (L.M.I.)
Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive
Coral Springs, FL. 33065
Tel. (305) 888-6288 Fax. (305) 888-6289

revisions:
no date by description
C 06.26.19 GENERAL REVISION
D 11.04.19 MANUF. ADDRESS REV.
E 06.25.20 UPDATED TO 2020 FBC

date: 03-21-14
scale: -
dr. by: TARIQ
chk. by:
drawing no.
W14-12
sheet 3.1 of 19

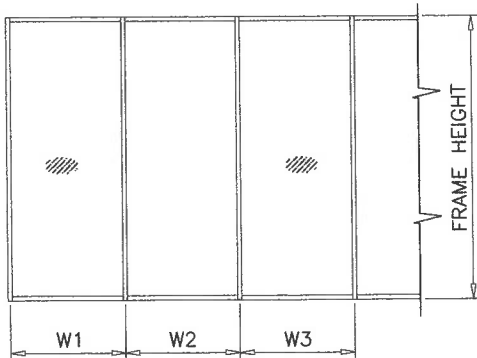
DESIGN LOAD CAPACITY - PSF MULLION WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'M1' JAMB 'J1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	84"	90.0	90.0
36"		90.0	90.0
42"		90.0	90.0
48"		90.0	90.0
54"		90.0	90.0
60"		90.0	90.0
61"		90.0	90.0
66"		80.0	80.0
72"		80.0	80.0
30"	90"	90.0	90.0
36"		90.0	90.0
42"		90.0	90.0
48"		90.0	90.0
54"		90.0	90.0
57"		88.6	88.6
60"		80.0	80.0
66"		80.0	80.0
72"		77.3	77.3
30"	96"	90.0	90.0
36"		90.0	90.0
42"		90.0	90.0
48"		86.7	86.7
54"		78.9	78.9
60"		73.1	73.1
66"		68.6	68.6
72"		65.3	65.3
30"	102"	90.0	90.0
36"		90.0	90.0
42"		84.4	84.4
48"		75.4	75.4
50"		72.9	72.9
54"		68.5	68.5
60"		63.2	63.2
66"		59.0	59.0
70"		56.8	56.8
30"	108"	90.0	90.0
36"		80.9	80.9
42"		70.5	70.5
48"		62.9	62.9
54"		57.2	57.2
60"		52.8	52.8
66"		49.4	49.4
30"	114"	81.2	81.2
36"		68.5	68.5
42"		59.6	59.6
48"		53.1	53.1
54"		48.1	48.1
60"		44.3	44.3
63"		42.7	42.7
30"	120"	69.4	69.4
36"		58.5	58.5
42"		50.8	50.8
48"		45.2	45.2
54"		40.9	40.9
60"		37.5	37.5

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

DESIGN LOAD CAPACITY - PSF MULLION WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'M2' JAMB 'J2'/'J2A'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	84"	120.0	135.0
36"		120.0	135.0
42"		120.0	135.0
48"		120.0	135.0
54"		120.0	135.0
60"		120.0	135.0
66"		80.0	80.0
72"		80.0	80.0
30"	90"	120.0	135.0
36"		120.0	135.0
42"		120.0	135.0
48"		120.0	135.0
54"		120.0	135.0
56"		120.0	135.0
60"		80.0	80.0
66"		80.0	80.0
72"		80.0	80.0
30"	96"	120.0	135.0
36"		120.0	135.0
42"		120.0	135.0
48"		120.0	135.0
52"		120.0	135.0
54"		80.0	80.0
60"		80.0	80.0
66"		80.0	80.0
72"		80.0	80.0
30"	102"	120.0	135.0
36"		120.0	135.0
42"		120.0	135.0
48"		120.0	135.0
49"		120.0	135.0
54"		80.0	80.0
60"		80.0	80.0
66"		80.0	80.0
72"		80.0	80.0
30"	108"	120.0	135.0
36"		120.0	135.0
42"		120.0	135.0
46"		120.0	135.0
48"		80.0	80.0
54"		80.0	80.0
60"		80.0	80.0
66"		80.0	80.0
72"		80.0	80.0

DESIGN LOAD CAPACITY - PSF MULLION WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'M2' JAMB 'J2'/'J2A'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	114"	120.0	135.0
36"		120.0	135.0
42"		120.0	135.0
44"		120.0	135.0
48"		80.0	80.0
54"		80.0	80.0
60"		80.0	80.0
66"		80.0	80.0
72"		80.0	80.0
30"	120"	120.0	135.0
36"		120.0	135.0
42"		120.0	128.0
48"		80.0	80.0
54"		80.0	80.0
60"		80.0	80.0
66"		80.0	80.0
72"		80.0	80.0
30"	126"	80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
48"		80.0	80.0
54"		80.0	80.0
60"		80.0	80.0
66"		77.9	77.9
68"		76.1	76.1
30"	132"	80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
48"		80.0	80.0
54"		80.0	80.0
60"		76.2	76.2
65"		71.3	71.3
30"	138"	80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
48"		76.1	76.1
54"		69.3	69.3
62"		67.4	67.4
30"	144"	80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
48"		77.5	77.5
54"		69.6	69.6
60"		63.3	63.3

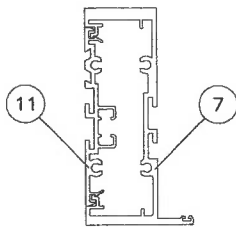
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



WIDTH (W) = W1
AT FRAME JAMB

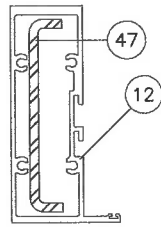
WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION

MULLIONS



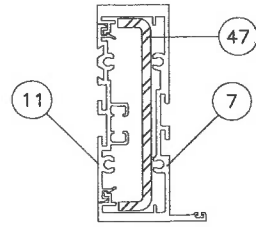
JAMB 'J1'

Ix IN ⁴	Sx IN ³
5.684	2.521



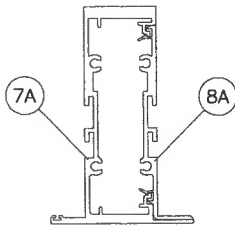
JAMB 'J2'

	Ix IN ⁴	Sx IN ³
ALUMINUM	4.027	1.788
STEEL	1.519	.760
TOTAL Ix ALUM + Ix STL X 2.9	8.432	



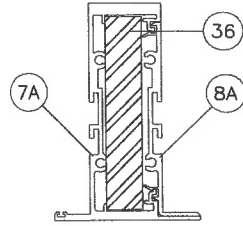
JAMB 'J2A'

	Ix IN ⁴	Sx IN ³
ALUMINUM	5.684	2.521
STEEL	1.519	.760
TOTAL Ix ALUM + Ix STL X 2.9	10.089	



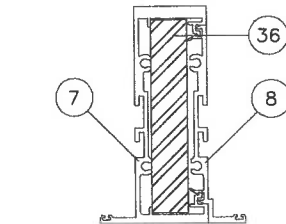
MULLION 'M1'

Ix IN ⁴	Sx IN ³
5.670	2.514

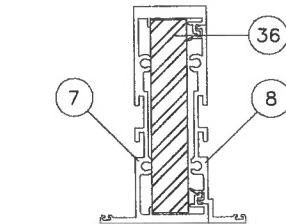
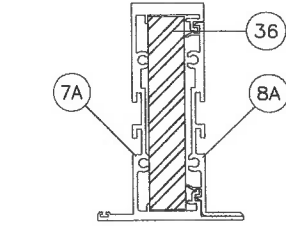


MULLION 'M2'

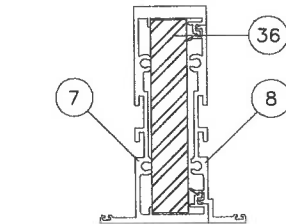
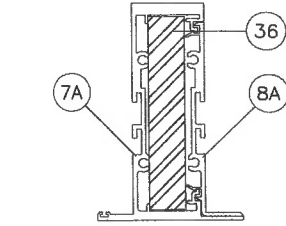
	Ix IN ⁴	Sx IN ³
ALUMINUM	5.670	2.514
STEEL	4.000	2.000
TOTAL Ix ALUM + Ix STL X 2.9	17.270	



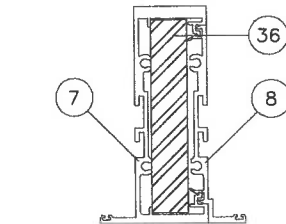
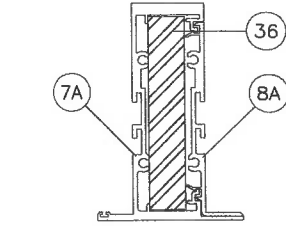
	Ix IN ⁴	Sx IN ³
ALUMINUM	5.670	2.514
STEEL	4.000	2.000
TOTAL Ix ALUM + Ix STL X 2.9	17.270	



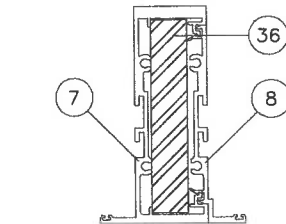
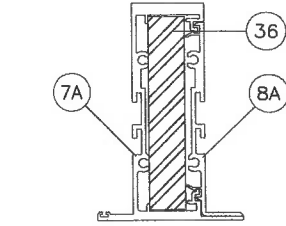
	Ix IN ⁴	Sx IN ³
ALUMINUM	5.670	2.514
STEEL	4.000	2.000
TOTAL Ix ALUM + Ix STL X 2.9	17.270	



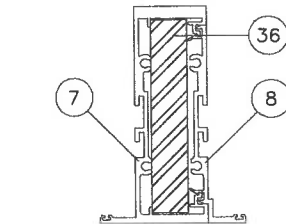
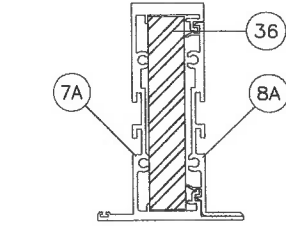
	Ix IN ⁴	Sx IN ³
ALUMINUM	5.670	2.514
STEEL	4.000	2.000
TOTAL Ix ALUM + Ix STL X 2.9	17.270	



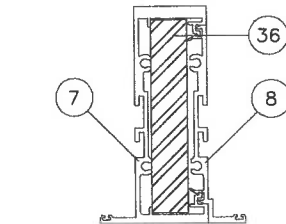
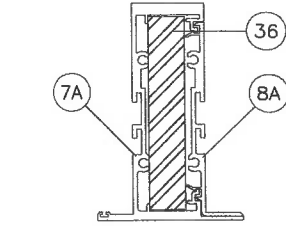
	Ix IN ⁴	Sx IN ³
ALUMINUM	5.670	2.514
STEEL	4.000	2.000
TOTAL Ix ALUM + Ix STL X 2.9	17.270	



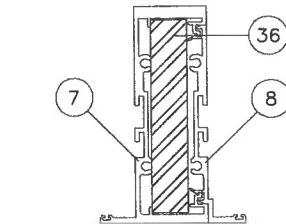
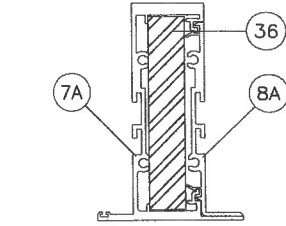
	Ix IN ⁴	Sx IN ³
ALUMINUM	5.670	2.514
STEEL	4.000	2.000
TOTAL Ix ALUM + Ix STL X 2.9	17.270	



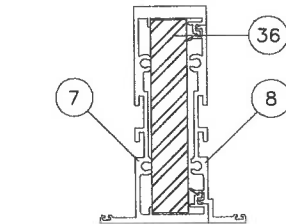
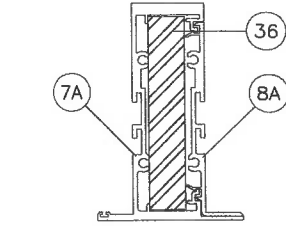
	Ix IN ⁴	Sx IN ³
ALUMINUM	5.670	2.514
STEEL	4.000	2.000
TOTAL Ix ALUM + Ix STL X 2.9	17.270	



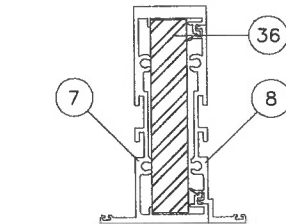
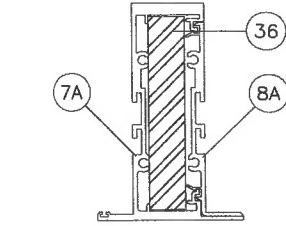
	Ix IN ⁴	Sx IN ³
ALUMINUM	5.670	2.514
STEEL	4.000	2.000
TOTAL Ix ALUM + Ix STL X 2.9	17.270	



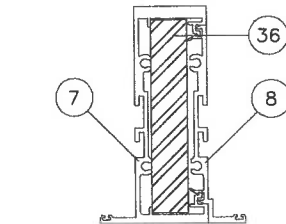
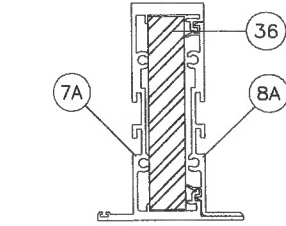
	Ix IN ⁴	Sx IN ³
ALUMINUM	5.670	2.514
STEEL	4.000	2.000
TOTAL Ix ALUM + Ix STL X 2.9	17.270	



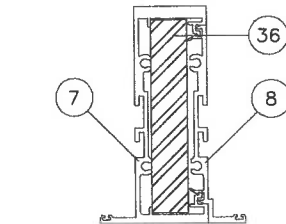
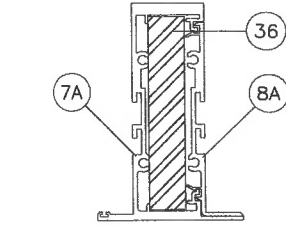
	Ix IN ⁴	Sx IN ³
ALUMINUM	5.670	2.514
STEEL	4.000	2.000
TOTAL Ix ALUM + Ix STL X 2.9	17.270	



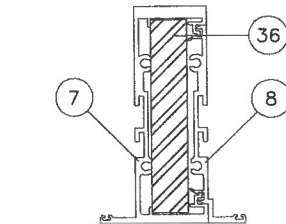
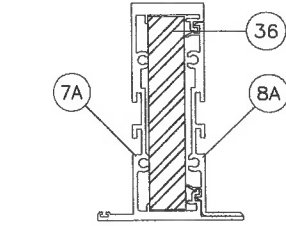
	Ix IN ⁴	Sx IN ³
ALUMINUM	5.670	2.514
STEEL	4.000	2.000
TOTAL Ix ALUM + Ix STL X 2.9	17.270	



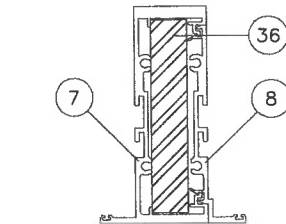
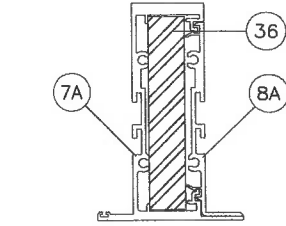
	Ix IN ⁴	Sx IN ³
ALUMINUM	5.670	2.514
STEEL	4.000	2.000
TOTAL Ix ALUM + Ix STL X 2.9	17.270	



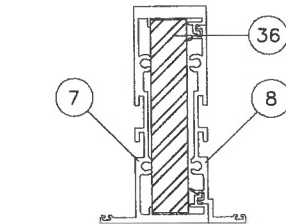
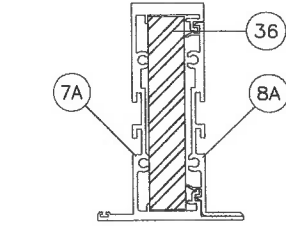
	Ix IN ⁴	Sx IN ³
ALUMINUM	5.670	2.514
STEEL	4.000	2.000
TOTAL Ix ALUM + Ix STL X 2.9	17.270	



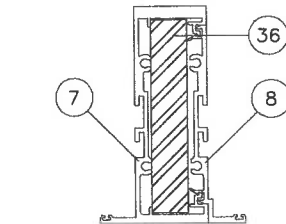
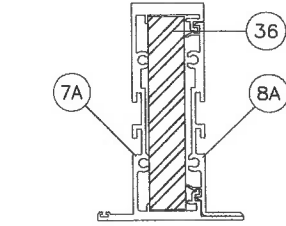
	Ix IN ⁴	Sx IN ³
ALUMINUM	5.670	2.514
STEEL	4.000	2.000
TOTAL Ix ALUM + Ix STL X 2.9	17.270	



	Ix IN ⁴	Sx IN ³
ALUMINUM	5.670	2.514
STEEL	4.000	2.000
TOTAL Ix ALUM + Ix STL X 2.9	17.270	



	Ix IN ⁴	Sx IN ³
ALUMINUM	5.670	2.514
STEEL	4.000	2.000
TOTAL Ix ALUM + Ix STL X 2.9	17.270	



	Ix IN ⁴	Sx IN ³
ALUMINUM	5.670	2.514
STEEL	4.000	2.000

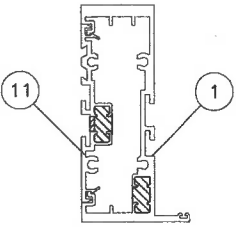
DESIGN LOAD CAPACITY - PSF MULLION WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'M3' JAMB 'J3'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	84"	90.0	90.0
36"		90.0	90.0
42"		90.0	90.0
48"		90.0	90.0
54"		90.0	90.0
60"		80.0	80.0
66"		80.0	80.0
72"		80.0	80.0
30"	90"	90.0	90.0
36"		90.0	90.0
42"		90.0	90.0
48"		90.0	90.0
51"		90.0	90.0
54"		80.0	80.0
60"		80.0	80.0
66"		80.0	80.0
72"		77.9	77.9
30"	96"	90.0	90.0
36"		90.0	90.0
42"		90.0	90.0
48"		87.3	87.3
54"		79.5	79.5
60"		73.6	73.6
66"		69.1	69.1
72"		65.7	65.7
30"	102"	80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
48"		75.9	75.9
54"		68.9	68.9
60"		63.6	63.6
66"		59.4	59.4
70"		57.2	57.2
30"	108"	80.0	80.0
36"		80.0	80.0
42"		72.3	72.3
48"		64.5	64.5
54"		58.7	58.7
60"		54.2	54.2
66"		50.7	50.7
30"	114"	80.0	80.0
36"		70.2	70.2
42"		61.1	61.1
48"		54.4	54.4
54"		49.3	49.3
60"		45.4	45.4
63"		43.8	43.8
30"	120"	71.2	71.2
36"		60.0	60.0
42"		52.1	52.1
48"		46.3	46.3
54"		41.9	41.9
60"		38.5	38.5

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

DESIGN LOAD CAPACITY - PSF MULLION WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'M4' JAMB 'J4'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	84"	100.0	100.0
36"		100.0	100.0
42"		100.0	100.0
48"		100.0	100.0
54"		100.0	100.0
60"		100.0	100.0
66"		60.0	60.0
72"		60.0	60.0
30"	90"	100.0	100.0
36"		100.0	100.0
42"		100.0	100.0
48"		100.0	100.0
54"		100.0	100.0
56"		100.0	100.0
60"		60.0	60.0
66"		60.0	60.0
72"		60.0	60.0
30"	96"	100.0	100.0
36"		100.0	100.0
42"		100.0	100.0
48"		100.0	100.0
52"		100.0	100.0
54"		60.0	60.0
60"		60.0	60.0
66"		60.0	60.0
72"		60.0	60.0
30"	102"	100.0	100.0
39"		100.0	100.0
42"		100.0	100.0
48"		100.0	100.0
49"		100.0	100.0
54"		60.0	60.0
60"		60.0	60.0
66"		60.0	60.0
72"		60.0	60.0
30"	108"	100.0	100.0
36"		100.0	100.0
42"		100.0	100.0
46"		99.2	99.2
48"		60.0	60.0
54"		60.0	60.0
60"		60.0	60.0
66"		60.0	60.0
72"		60.0	60.0

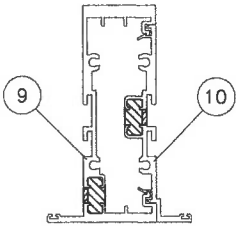
DESIGN LOAD CAPACITY - PSF MULLION WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'M4' JAMB 'J4'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	114"	100.0	100.0
36"		100.0	100.0
42"		96.0	96.0
44"		92.0	92.0
48"		60.0	60.0
54"		60.0	60.0
60"		60.0	60.0
66"		60.0	60.0
72"		60.0	60.0
30"	120"	100.0	100.0
36"		99.5	99.5
42"		86.2	86.2
48"		60.0	60.0
54"		60.0	60.0
60"		60.0	60.0
66"		58.5	58.5
72"		54.8	54.8
30"	126"	60.0	60.0
36"		60.0	60.0
42"		60.0	60.0
48"		60.0	60.0
54"		60.0	60.0
60"		56.7	56.7
66"		52.5	52.5
72"		49.0	49.0
30"	132"	60.0	60.0
36"		60.0	60.0
42"		60.0	60.0
48"		60.0	60.0
54"		56.3	56.3
60"		51.3	51.3
65"		48.0	48.0
30"	138"	60.0	60.0
36"		60.0	60.0
42"		60.0	60.0
48"		57.0	57.0
54"		51.2	51.2
60"		46.7	46.7
62"		45.4	45.4
30"	144"	60.0	60.0
36"		60.0	60.0
42"		59.0	59.0
48"		52.2	52.2
54"		46.9	46.9
60"		42.6	42.6

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



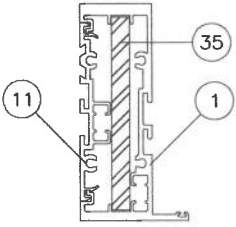
JAMB 'J3'

Ix IN^4	Sx IN^3
5.813	2.538



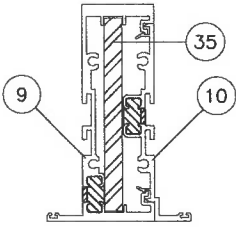
MULLION 'M3'

Ix IN^4	Sx IN^3
5.813	2.529



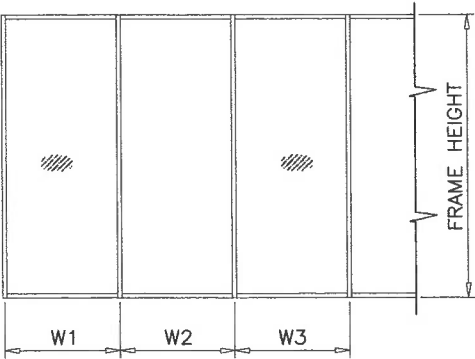
JAMB 'J4'

	Ix IN^4	Sx IN^3
ALUMINUM	5.813	2.538
STEEL	2.000	1.000
TOTAL Ix ALUM + Ix STL X 2.9	11.613	



MULLION 'M4'

	Ix IN^4	Sx IN^3
ALUMINUM	5.813	2.529
STEEL	2.000	1.000
TOTAL Ix ALUM + Ix STL X 2.9	11.613	



WIDTH (W) = W1
AT FRAME JAMB

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

MULLIONS

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0910.06**
Expiration Date: **07/03/2024**
By: *Manuel Perez*
Miami-Dade Product Control

Sealed: 09/09/2020



afC
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 - ANL W14-12AGP

SERIES FRONT SET ALUM WINDOWALL SYS. (L.M.I.)
Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive
Coral Springs, FL 33065
Tel. (305) 888-6288 Fax. (305) 888-6289

revisions:		no.	date	by	description
		A	01.20.17		EDITORIAL CHANGES ONLY
		B	10.05.17		REV. PER RER COMMENTS
		C	06.26.19		GENERAL REVISION
		D	11.04.19		MANUF. ADDRESS REV.
		E	06.25.20		UPDATED TO 2020 FBC
date:	03-21-14	scale:	-	dr. by:	TARIQ
chk. by:					
drawing no.	W14-12				
sheet	5 of 19				

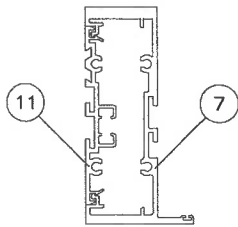
DESIGN LOAD CAPACITY - PSF MULLION WITH INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'M1' JAMB 'J1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	84"	90.0	90.0
36"		90.0	90.0
42"		90.0	90.0
48"		90.0	90.0
54"		90.0	90.0
60"		84.5	84.5
61"		83.1	83.1
66"		76.8	76.8
72"		70.4	70.4
30"	90"	90.0	90.0
36"		90.0	90.0
42"		90.0	90.0
48"		90.0	90.0
54"		81.2	81.2
57"		76.9	76.9
60"		73.0	73.0
66"		66.4	66.4
72"		60.9	60.9
30"	96"	90.0	90.0
36"		90.0	90.0
42"		91.0	91.0
48"		79.6	79.6
54"		70.8	70.8
60"		63.7	63.7
66"		57.9	57.9
72"		53.1	53.1
30"	102"	90.0	90.0
36"		90.0	90.0
42"		78.9	78.9
48"		69.1	69.1
50"		66.3	66.3
54"		61.4	61.4
60"		55.3	55.3
66"		50.2	50.2
70"		47.4	47.4
30"	108"	90.0	90.0
36"		77.6	77.6
42"		66.5	66.5
48"		58.2	58.2
54"		51.7	51.7
60"		46.6	46.6
66"		42.3	42.3
30"	114"	79.2	79.2
36"		66.0	66.0
42"		56.5	56.5
48"		49.5	49.5
54"		44.0	44.0
60"		39.6	39.6
63"		37.7	37.7
30"	120"	67.9	67.9
36"		56.6	56.6
42"		48.5	48.5
48"		42.4	42.4
54"		37.7	37.7
60"		33.9	33.9

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

DESIGN LOAD CAPACITY - PSF MULLION WITH INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'M2' JAMB 'J2'/'J2A'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	84"	120.0	135.0
36"		120.0	135.0
42"		120.0	135.0
48"		120.0	135.0
54"		120.0	135.0
60"		120.0	135.0
66"		80.0	80.0
72"		80.0	80.0
30"	90"	120.0	135.0
36"		120.0	135.0
42"		120.0	135.0
48"		120.0	135.0
54"		120.0	135.0
56"		120.0	135.0
60"		80.0	80.0
66"		80.0	80.0
72"		80.0	80.0
30"	96"	120.0	135.0
36"		120.0	135.0
42"		120.0	135.0
48"		120.0	135.0
52"		120.0	135.0
54"		80.0	80.0
60"		80.0	80.0
66"		80.0	80.0
72"		80.0	80.0
30"	102"	120.0	135.0
36"		120.0	135.0
42"		120.0	135.0
48"		120.0	135.0
49"		120.0	135.0
54"		80.0	80.0
60"		80.0	80.0
66"		80.0	80.0
72"		80.0	80.0
30"	108"	120.0	135.0
36"		120.0	135.0
42"		120.0	135.0
46"		120.0	135.0
48"		80.0	80.0
54"		80.0	80.0
60"		80.0	80.0
66"		80.0	80.0
72"		80.0	80.0

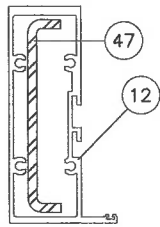
DESIGN LOAD CAPACITY - PSF MULLION WITH INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'M2' JAMB 'J2'/'J2A'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	114"	120.0	135.0
36"		120.0	135.0
42"		120.0	135.0
44"		120.0	130.0
48"		80.0	80.0
54"		80.0	80.0
60"		80.0	80.0
66"		80.0	80.0
72"		79.4	79.4
30"	120"	120.0	135.0
36"		120.0	135.0
42"		120.0	122.9
48"		80.0	80.0
54"		80.0	80.0
60"		80.0	80.0
66"		78.2	78.2
72"		71.7	71.7
30"	126"	80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
48"		80.0	80.0
54"		80.0	80.0
60"		78.0	78.0
66"		70.9	70.9
68"		68.9	68.9
30"	132"	80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
48"		80.0	80.0
54"		79.0	79.0
60"		71.1	71.1
65"		65.6	65.6
30"	138"	80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
48"		72.3	72.3
54"		65.1	65.1
60"		63.0	63.0
30"	144"	80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
48"		74.3	74.3
54"		66.0	66.0
60"		59.4	59.4

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



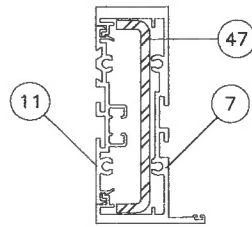
JAMB 'J1'

Ix IN^4	Sx IN^3
5.684	2.521



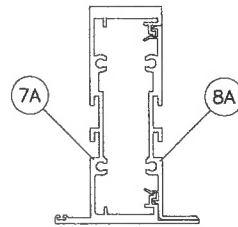
JAMB 'J2'

	Ix IN^4	Sx IN^3
ALUMINUM	4.027	1.788
STEEL	1.519	.760
TOTAL		
Ix ALUM + Ix STL X 2.9	8.432	



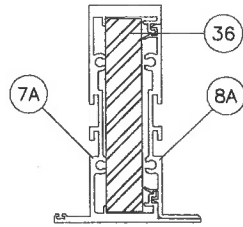
JAMB 'J2A'

	Ix IN^4	Sx IN^3
ALUMINUM	5.684	2.521
STEEL	1.519	.760
TOTAL		
Ix ALUM + Ix STL X 2.9	10.089	



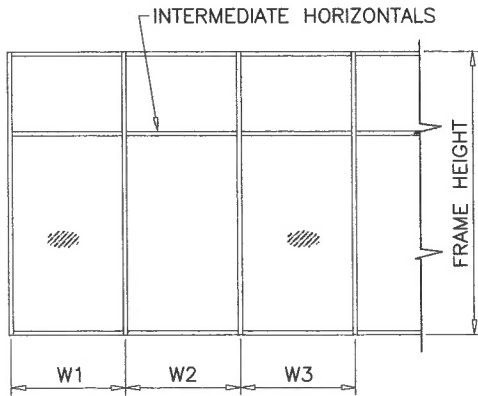
MULLION 'M1'

Ix IN^4	Sx IN^3
5.670	2.514



MULLION 'M2'

	Ix IN^4	Sx IN^3
ALUMINUM	5.670	2.514
STEEL	4.000	2.000
TOTAL		
Ix ALUM + Ix STL X 2.9	17.270	



WIDTH (W) = W1
AT FRAME JAMB

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

MULLIONS

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0910.06**
Expiration Date: **07/03/2024**
By: *Manuel Perez*
Miami-Dade Product Control

Sealed: 09/09/2020



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 W14-12AGP

SERIES FRONT SET ALUM WINDOWALL SYS. (L.M.I.)
Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive
Coral Springs, FL. 33065
Tel. (305) 888-6288 Fax. (305) 888-6289

no.	date	by	description
A	01.20.17		EDITORIAL CHANGES ONLY
B	10.05.17		REV. PER PER COMMENTS
C	06.26.19		GENERAL REVISION
D	11.04.19		MANUF. ADDRESS REV.
E	06.25.20		UPDATED TO 2020 FBC

date: 03-21-14
scale: -
dr. by: TARIQ
chk. by:

drawing no.
W14-12
sheet 6 of 19

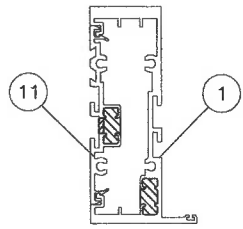
DESIGN LOAD CAPACITY - PSF MULLION WITH INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'M3' JAMB 'J3'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	84"	90.0	90.0
36"		90.0	90.0
42"		90.0	90.0
48"		90.0	90.0
54"		90.0	90.0
60"		85.1	85.1
66"		77.3	77.3
72"		70.9	70.9
30"	90"	90.0	90.0
36"		90.0	90.0
42"		90.0	90.0
48"		90.0	90.0
51"		86.5	86.5
54"		81.7	81.7
60"		73.5	73.5
66"		66.8	66.8
72"		61.3	61.3
30"	96"	90.0	90.0
36"		90.0	90.0
42"		90.0	90.0
48"		80.2	80.2
54"		71.2	71.2
60"		64.1	64.1
66"		58.3	58.3
72"		53.4	53.4
30"	102"	80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
48"		70.5	70.5
54"		62.6	62.6
60"		56.4	56.4
66"		51.2	51.2
70"		48.3	48.3
30"	108"	80.0	80.0
36"		79.5	79.5
42"		68.2	68.2
48"		59.7	59.7
54"		53.0	53.0
60"		47.7	47.7
66"		43.4	43.4
30"	114"	80.0	80.0
36"		67.6	67.6
42"		58.0	58.0
48"		50.7	50.7
54"		45.1	45.1
60"		40.6	40.6
63"		38.6	38.6
30"	120"	69.6	69.6
36"		58.0	58.0
42"		49.7	49.7
48"		43.5	43.5
54"		38.7	38.7
60"		34.8	34.8

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

DESIGN LOAD CAPACITY - PSF MULLION WITH INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'M4' JAMB 'J4'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	84"	100.0	100.0
36"		100.0	100.0
42"		100.0	100.0
48"		100.0	100.0
54"		100.0	100.0
60"		100.0	100.0
66"		60.0	60.0
72"		60.0	60.0
30"	90"	100.0	100.0
36"		100.0	100.0
42"		100.0	100.0
48"		100.0	100.0
54"		100.0	100.0
56"		100.0	100.0
60"		60.0	60.0
66"		60.0	60.0
72"		60.0	60.0
30"	96"	100.0	100.0
36"		100.0	100.0
42"		100.0	100.0
48"		100.0	100.0
52"		100.0	100.0
54"		60.0	60.0
60"		60.0	60.0
66"		60.0	60.0
72"		60.0	60.0
30"	102"	100.0	100.0
39"		100.0	100.0
42"		100.0	100.0
48"		100.0	100.0
49"		98.2	98.2
54"		60.0	60.0
60"		60.0	60.0
66"		60.0	60.0
72"		60.0	60.0
30"	108"	100.0	100.0
36"		100.0	100.0
42"		100.0	100.0
46"		93.3	93.3
48"		60.0	60.0
54"		60.0	60.0
60"		60.0	60.0
66"		60.0	60.0
72"		59.6	59.6

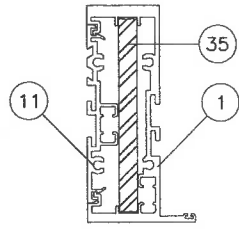
DESIGN LOAD CAPACITY - PSF MULLION WITH INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'M4' JAMB 'J4'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	114"	100.0	100.0
36"		100.0	100.0
42"		91.7	91.7
44"		87.6	87.6
48"		60.0	60.0
54"		60.0	60.0
60"		60.0	60.0
66"		58.4	58.4
72"		53.5	53.5
30"	120"	100.0	100.0
36"		96.6	96.6
42"		82.8	82.8
48"		60.0	60.0
54"		60.0	60.0
60"		58.0	58.0
66"		52.7	52.7
72"		48.3	48.3
30"	126"	60.0	60.0
36"		60.0	60.0
42"		60.0	60.0
48"		60.0	60.0
54"		58.4	58.4
60"		52.6	52.6
66"		47.8	47.8
72"		46.4	46.4
30"	132"	60.0	60.0
36"		60.0	60.0
42"		60.0	60.0
48"		59.9	59.9
54"		53.2	53.2
60"		47.9	47.9
65"		44.2	44.2
30"	138"	60.0	60.0
36"		60.0	60.0
42"		60.0	60.0
48"		54.8	54.8
54"		48.7	48.7
60"		43.8	43.8
62"		42.4	42.4
30"	144"	60.0	60.0
36"		60.0	60.0
42"		57.2	57.2
48"		50.0	50.0
54"		44.5	44.5
60"		40.0	40.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



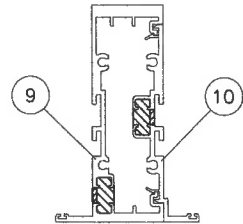
JAMB 'J3'

Ix IN^4	Sx IN^3
5.813	2.538



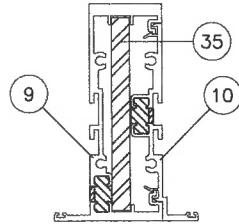
JAMB 'J4'

	Ix IN^4	Sx IN^3
ALUMINUM	5.813	2.538
STEEL	2.000	1.000
TOTAL Ix ALUM + Ix STL X 2.9	11.613	



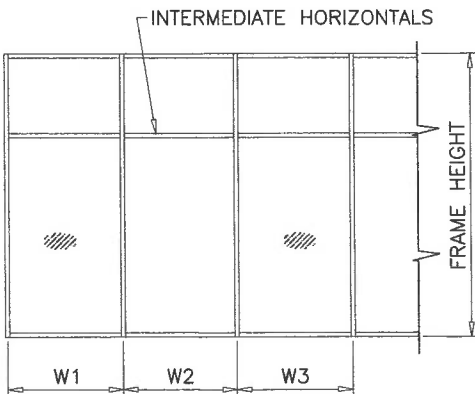
MULLION 'M3'

Ix IN^4	Sx IN^3
5.813	2.529



MULLION 'M4'

	Ix IN^4	Sx IN^3
ALUMINUM	5.813	2.529
STEEL	2.000	1.000
TOTAL Ix ALUM + Ix STL X 2.9	11.613	



WIDTH (W) = W1
AT FRAME JAMB

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

MULLIONS

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0910.06
Expiration Date: **07/03/2024**
By: *Manuel Perez*
Miami-Dade Product Control

Sealed: 09/09/2020



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 W14-12AGP

SERIES FRONT SET ALUM WINDOWALL SYS. (L.M.I.)

Aldora Aluminum & Glass Products Inc.
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Coral Springs, FL 33065
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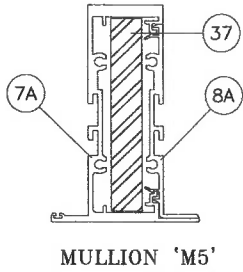
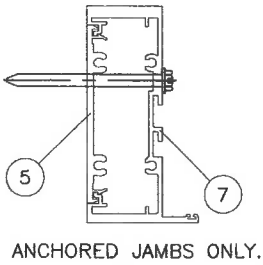
no	date	by	description
A	01.20.17		EDITORIAL CHANGES ONLY
B	10.05.17		REV. PER RER COMMENTS
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E	06.25.20		UPDATED TO 2020 FBC

date: 03-21-14
scale: -
dr. by: TARIQ
chk. by:

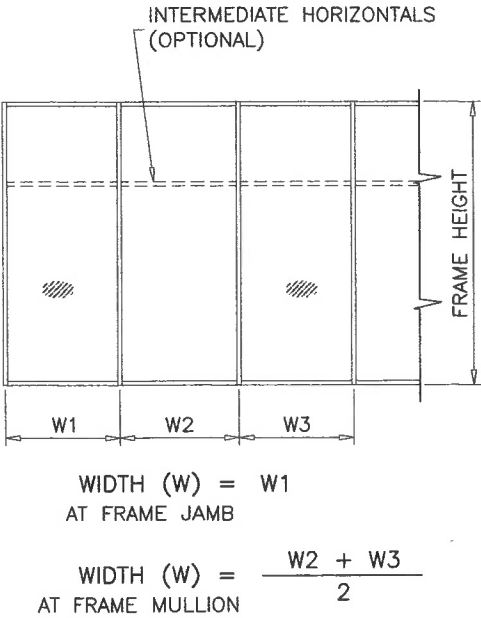
drawing no.
W14-12
sheet 7 of 19

DESIGN LOAD CAPACITY - PSF MULLION WITH OR WITHOUT HORIZONTALS			
NOMINAL DIMS.		MULLION 'M5'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	84"	65.0	65.0
36"		65.0	65.0
42"		65.0	65.0
48"		65.0	65.0
54"		65.0	65.0
60"		65.0	65.0
30"	90"	65.0	65.0
36"		65.0	65.0
42"		65.0	65.0
48"		65.0	65.0
54"		65.0	65.0
60"		65.0	65.0
30"	96"	65.0	65.0
36"		65.0	65.0
42"		65.0	65.0
48"		65.0	65.0
54"		65.0	65.0
60"		65.0	65.0
30"	102"	65.0	65.0
36"		65.0	65.0
42"		65.0	65.0
48"		65.0	65.0
54"		65.0	65.0
30"	108"	65.0	65.0
36"		65.0	65.0
42"		65.0	65.0
48"		65.0	65.0
30"	114"	65.0	65.0
36"		65.0	65.0
42"		65.0	65.0
48"		65.0	65.0
30"	120"	65.0	65.0
36"		65.0	65.0
42"		65.0	65.0
48"		65.0	65.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



	Ix IN^4	Sx IN^3
ALUMINUM	5.670	2.514
STEEL	3.3333	1.6667
TOTAL Ix ALUM + Ix STL X 2.9	15.2409	



MULLIONS

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0910.06**
Expiration Date: **07/03/2024**
By: *Manuel Perez*
Miami-Dade Product Control



Sealed: 09/09/2020

af c

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

SERIES FRONT SET ALUM WINDOWALL SYS. (L.M.I.)

Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive
Coral Springs, FL. 33065
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revisions:	
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C	06.26.19
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MANUF. ADDRESS REV.	
UPDATED TO 2020 FBC	
date:	03-21-14
scale:	-
dr. by:	TARIQ
chk. by:	
drawing no.	W14-12
sheet	7.1 of 19

COMP-ANL\W14-12AGP

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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'AW'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
WITH 1-1/2" MIN. PENETRATION INTO WOOD
THRU 1BY WOOD BUCKS INTO CONCRETE OR BLOCKS
WITH 1-1/2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
WITH 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

TYPE 'AC'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
DIRECTLY INTO CONCRETE OR BLOCKS
WITH 1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
WITH 1-3/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

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

TYPE 'BW'— 5/16" DIA ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
WITH 1-1/2" MIN. PENETRATION INTO WOOD
THRU 1BY WOOD BUCKS INTO CONCRETE OR BLOCKS
WITH 1-1/2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
WITH 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

TYPE 'BC'— 5/16" DIA ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE OR BLOCKS
WITH 1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
WITH 1-3/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

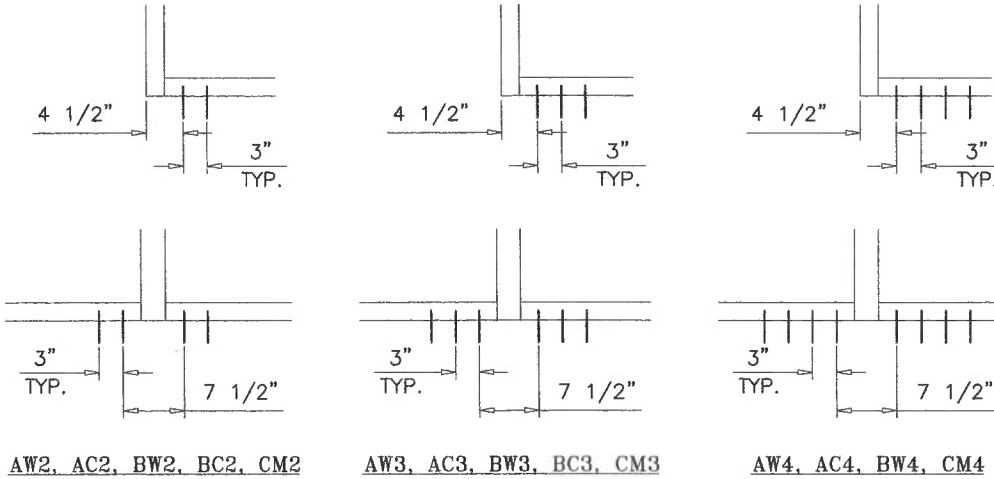
INTO CONCRETE AND BLOCKS = 3-1/8" MIN.
INTO WOOD STRUCTURE = 1-1/2" MIN.

TYPE 'CM'— #14 SELF DRILLING SCREWS ST/ST (GRADE 5 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 = 1/2" 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.



ANCHORS TYPES:

- AW2 = (2) ANCHORS TYPE 'AW' AT EACH SIDE OF JAMB AND MULLION
AC2 = (2) ANCHORS TYPE 'AC' AT EACH SIDE OF JAMB AND MULLION
BW2 = (2) ANCHORS TYPE 'BW' AT EACH SIDE OF JAMB AND MULLION
BC2 = (2) ANCHORS TYPE 'BC' AT EACH SIDE OF JAMB AND MULLION
CM2 = (2) ANCHORS TYPE 'CM' AT EACH SIDE OF JAMB AND MULLION
- AW3 = (3) ANCHORS TYPE 'AW' AT EACH SIDE OF JAMB AND MULLION
AC3 = (3) ANCHORS TYPE 'AC' AT EACH SIDE OF JAMB AND MULLION
BW3 = (3) ANCHORS TYPE 'BW' AT EACH SIDE OF JAMB AND MULLION
BC3 = (3) ANCHORS TYPE 'BC' AT EACH SIDE OF JAMB AND MULLION
CM3 = (3) ANCHORS TYPE 'CM' AT EACH SIDE OF JAMB AND MULLION
- AW4 = (4) ANCHORS TYPE 'AW' AT EACH SIDE OF JAMB AND MULLION
AC4 = (4) ANCHORS TYPE 'AC' AT EACH SIDE OF JAMB AND MULLION
BW4 = (4) ANCHORS TYPE 'BW' AT EACH SIDE OF JAMB AND MULLION
CM4 = (4) ANCHORS TYPE 'CM' AT EACH SIDE OF JAMB AND MULLION

SEE SHEETS 9 & 10 FOR ANCHOR CAPACITIES.

ANCHORS

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0910.06**
Expiration Date: **07/03/2024**
By: *Manuel Perez*
Miami-Dade Product Control

Sealed: 09/09/2020



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

SERIES FRONT SET ALUM WINDOWALL SYS. (L.M.I.)
Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive
Coral Springs, FL 33065
Tel. (305) 888-6288 Fax. (305) 888-6289

no	date	by	description
A	01.20.17		GENERAL REVISION
B	10.05.17		REV. PER RER COMMENTS
C	06.26.19		GENERAL REVISION
D	11.04.19		MANUF. ADDRESS REV.
E	06.25.20		UPDATED TO 2020 FBC

date: 03-21-14	scale: -	dr. by: TARIQ	chk. by:
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drawing no.
W14-12
sheet 8 of 19

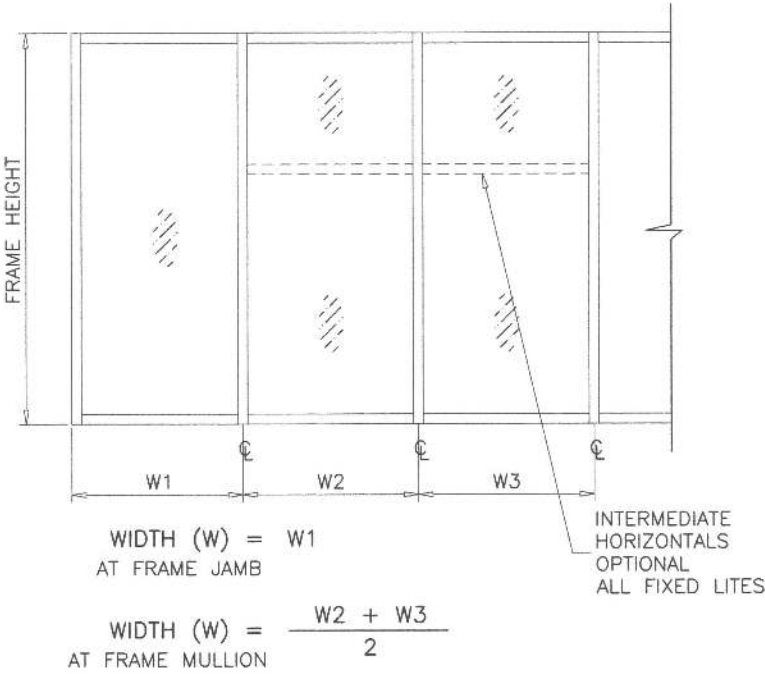
ANCHOR LOAD CAPACITY – PSF (1/4" MAX. SHIMS) EXT.(+) & INT.(–)																
NOMINAL DIMS.		ANCHORS TYPE 'AW'			ANCHORS TYPE 'BW'			ANCHORS TYPE 'AC'			ANCHORS TYPE 'BC'			ANCHORS TYPE 'CM'		
WIDTH (W)	FRAME HEIGHT	AW2	AW3	AW4	BW2	BW3	BW4	AC2	AC3	AC4	BC2	BC3	BC4	CM2	CM3	CM4
30"	96"	123.3	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
36"		106.7	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
42"		95.1	135.0	135.0	125.1	135.0	135.0	124.3	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
48"		86.7	130.0	135.0	114.0	135.0	135.0	113.3	135.0	135.0	135.0	135.0	135.0	127.7	135.0	135.0
52"		82.3	123.4	135.0	108.2	135.0	135.0	107.6	135.0	135.0	134.2	135.0	135.0	121.2	135.0	135.0
54"		80.4	120.6	135.0	105.7	135.0	135.0	105.1	135.0	135.0	131.1	135.0	135.0	118.4	135.0	135.0
60"		75.6	113.5	135.0	99.5	135.0	135.0	98.9	135.0	135.0	123.3	135.0	135.0	111.4	135.0	135.0
66"		72.0	108.1	135.0	94.8	135.0	135.0	94.2	135.0	135.0	117.5	135.0	135.0	106.1	135.0	135.0
72"		69.3	104.0	135.0	91.2	135.0	135.0	90.7	135.0	135.0	113.1	135.0	135.0	102.1	135.0	135.0
30"	102"	114.8	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
36"		99.0	135.0	135.0	130.3	135.0	135.0	129.5	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
42"		88.0	132.1	135.0	115.8	135.0	135.0	115.1	135.0	135.0	135.0	135.0	135.0	129.7	135.0	135.0
48"		80.0	120.0	135.0	105.2	135.0	135.0	104.6	135.0	135.0	130.5	135.0	135.0	117.8	135.0	135.0
52"		75.8	113.7	135.0	99.7	135.0	135.0	99.1	135.0	135.0	123.6	135.0	135.0	111.6	135.0	135.0
54"		74.0	110.9	135.0	97.3	135.0	135.0	96.7	135.0	135.0	120.6	135.0	135.0	108.9	135.0	135.0
60"		69.3	104.0	135.0	91.2	135.0	135.0	90.7	135.0	135.0	113.1	135.0	135.0	102.1	135.0	135.0
66"		65.8	98.7	131.5	86.5	129.8	135.0	86.0	129.0	135.0	107.3	135.0	135.0	96.9	135.0	135.0
72"		63.0	94.5	126.1	82.9	124.4	135.0	82.4	123.6	135.0	102.8	135.0	135.0	92.8	135.0	135.0
30"	108"	107.4	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
36"		92.4	135.0	135.0	121.6	135.0	135.0	120.9	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
42"		82.0	123.0	135.0	107.8	135.0	135.0	107.2	135.0	135.0	133.7	135.0	135.0	120.7	135.0	135.0
48"		74.3	111.4	135.0	97.7	135.0	135.0	97.1	135.0	135.0	121.1	135.0	135.0	109.4	135.0	135.0
52"		70.2	105.4	135.0	92.4	135.0	135.0	91.9	135.0	135.0	114.6	135.0	135.0	103.5	135.0	135.0
54"		68.5	102.7	135.0	90.1	135.0	135.0	89.5	134.3	135.0	111.7	135.0	135.0	100.9	135.0	135.0
60"		64.0	96.0	128.0	84.2	126.3	135.0	83.7	125.5	135.0	104.4	135.0	135.0	94.3	135.0	135.0
66"		60.5	90.8	121.0	79.6	119.4	135.0	79.1	118.7	135.0	98.7	135.0	135.0	89.1	133.7	135.0
72"		57.8	86.7	115.6	76.0	114.0	135.0	75.6	113.3	135.0	94.2	135.0	135.0	85.1	127.7	135.0
30"	114"	100.8	135.0	135.0	132.7	135.0	135.0	131.9	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
36"		86.7	130.0	135.0	114.0	135.0	135.0	113.3	135.0	135.0	135.0	135.0	135.0	127.7	135.0	135.0
42"		76.7	115.0	135.0	100.9	135.0	135.0	100.3	135.0	135.0	125.1	135.0	135.0	113.0	135.0	135.0
48"		69.3	104.0	135.0	91.2	135.0	135.0	90.7	135.0	135.0	113.1	135.0	135.0	102.1	135.0	135.0
52"		65.5	98.2	130.9	86.1	129.1	135.0	85.6	128.4	135.0	106.7	135.0	135.0	96.4	135.0	135.0
54"		63.8	95.6	127.5	83.9	125.8	135.0	83.4	125.1	135.0	104.0	135.0	135.0	93.9	135.0	135.0
60"		59.4	89.1	118.9	78.2	117.3	135.0	77.7	116.6	135.0	96.9	135.0	135.0	87.5	131.3	135.0
66"		56.0	84.0	112.1	73.7	110.5	135.0	73.3	109.9	135.0	91.4	135.0	135.0	82.5	123.8	135.0
72"		53.3	80.0	106.7	70.2	105.2	135.0	69.7	104.6	135.0	87.0	130.5	135.0	78.6	117.8	135.0
30"	120"	95.1	135.0	135.0	125.1	135.0	135.0	124.3	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
36"		81.6	122.4	135.0	107.3	135.0	135.0	106.7	135.0	135.0	133.0	135.0	135.0	120.2	135.0	135.0
42"		72.0	108.1	135.0	94.8	135.0	135.0	94.2	135.0	135.0	117.5	135.0	135.0	106.1	135.0	135.0
48"		65.0	97.5	130.0	85.5	128.3	135.0	85.0	127.5	135.0	106.0	135.0	135.0	95.8	135.0	135.0
52"		61.3	91.9	122.6	80.6	120.9	135.0	80.1	120.2	135.0	99.9	135.0	135.0	90.3	135.0	135.0
54"		59.6	89.5	119.3	78.5	117.7	135.0	78.0	117.0	135.0	97.3	135.0	135.0	87.9	131.8	135.0
60"		55.5	83.2	110.9	73.0	109.4	135.0	72.5	108.8	135.0	90.5	135.0	135.0	81.7	122.6	135.0
66"		52.2	78.2	104.3	68.6	102.9	135.0	68.2	102.3	135.0	85.1	127.6	135.0	76.8	115.3	135.0
72"		49.5	74.3	99.0	65.1	97.7	130.3	64.8	97.1	129.5	80.8	121.1	135.0	73.0	109.4	135.0
30"	126"	89.9	134.9	135.0	118.3	135.0	135.0	117.6	135.0	135.0	135.0	135.0	135.0	132.5	135.0	135.0
36"		77.0	115.6	135.0	101.3	135.0	135.0	100.7	135.0	135.0	125.6	135.0	135.0	113.5	135.0	135.0
42"		67.9	101.9	135.0	89.3	134.0	135.0	88.8	133.2	135.0	110.8	135.0	135.0	100.0	135.0	135.0
48"		61.2	91.8	122.4	80.5	120.7	135.0	80.0	120.0	135.0	99.8	135.0	135.0	90.1	135.0	135.0
52"		57.6	86.4	115.2	75.8	113.6	135.0	75.3	113.0	135.0	93.9	135.0	135.0	84.8	127.3	135.0
54"		56.0	84.0	112.1	73.7	110.5	135.0	73.3	109.9	135.0	91.4	135.0	135.0	82.5	123.8	135.0
60"		52.0	78.0	104.0	68.4	102.6	135.0	68.0	102.0	135.0	84.8	127.2	135.0	76.6	114.9	135.0
66"		48.8	73.2	97.6	64.2	96.3	128.4	63.8	95.7	127.6	79.6	119.4	135.0	71.9	107.8	135.0

ANCHOR LOAD CAPACITY – PSF (1/4" MAX. SHIMS) EXT.(+) & INT.(–)																
NOMINAL DIMS.		ANCHORS TYPE 'AW'			ANCHORS TYPE 'BW'			ANCHORS TYPE 'AC'			ANCHORS TYPE 'BC'			ANCHORS TYPE 'CM'		
WIDTH (W)	FRAME HEIGHT	AW2	AW3	AW4	BW2	BW3	BW4	AC2	AC3	AC4	BC2	BC3	BC4	CM2	CM3	CM4
30"	132"	85.3	128.0	135.0	112.2	135.0	135.0	111.6	135.0	135.0	135.0	135.0	135.0	125.7	135.0	135.0
36"		73.0	109.5	135.0	96.0	135.0	135.0	95.4	135.0	135.0	119.0	135.0	135.0	107.5	135.0	135.0
42"		64.2	96.4	128.5	84.5	126.8	135.0	84.0	126.0	135.0	104.8	135.0	135.0	94.6	135.0	135.0
48"		57.8	86.7	115.6	76.0	114.0	135.0	75.6	113.3	135.0	94.2	135.0	135.0	85.1	127.7	135.0
52"		54.3	81.5	108.7	71.5	107.2	135.0	71.1	106.6	135.0	88.6	132.9	135.0	80.0	120.1	135.0
54"		52.8	79.2	105.7	69.5	104.2	135.0	69.1	103.6	135.0	86.1	129.2	135.0	77.8	116.7	135.0
60"		48.9	73.4	97.9	64.4	96.6	128.8	64.0	96.0	128.0	79.8	119.7	135.0	72.1	108.1	135.0
30"	138"	81.2	121.8	135.0	106.8	135.0	135.0	106.1	135.0	135.0	132.4	135.0	135.0	119.6	135.0	135.0
36"		69.3	104.0	135.0	91.2	135.0	135.0	90.7	135.0	135.0	113.1	135.0	135.0	102.1	135.0	135.0
42"		61.0	91.4	121.9	80.2	120.3	135.0	79.7	119.6	135.0	99.4	135.0	135.0	89.8	134.7	135.0
48"		54.7	82.1	109.5	72.0	108.0	135.0	71.6	107.4	135.0	89.3	133.9	135.0	80.6	120.9	135.0
52"		51.4	77.1	102.9	67.6	101.5	135.0	67.3	100.9	134.5	83.9	125.8	135.0	75.8	113.6	135.0
54"		50.0	75.0	99.9	65.7	98.6	131.5	65.3	98.0	130.7	81.5	122.2	135.0	73.6	110.4	135.0
60"		46.2	69.3	92.4	60.8	91.2	121.6	60.4	90.7	120.9	75.4	113.1	135.0	68.1	102.1	135.0
30"	144"	77.4	116.1	135.0	101.8	135.0	135.0	101.2	135.0	135.0	126.2	135.0	135.0	114.0	135.0	135.0
36"		66.0	99.0	132.1	86.9	130.3	135.0	86.3	129.5	135.0	107.7	135.0	135.0	97.3	135.0	135.0
42"		58.0	87.0	116.0	76.3	114.4	135.0	75.8	113.7	135.0	94.6	135.0	135.0	85.4	128.1	135.0
48"		52.0	78.0	104.0	68.4	102.6	135.0	68.0	102.0	135.0	84.8	127.2	135.0	76.6	114.9	135.0
52"		48.8	73.2	97.6	64.2	96.3	128.4	63.8	95.7	127.7	79.6	119.4	135.0	71.9	107.9	135.0
54"		47.4	71.1	94.8	62.4	93.5	124.7	62.0	93.0	124.0	77.3	116.0	135.0	69.8	104.8	135.0
60"		43.8	65.7	87.6	57.6	86.4	115.2	57.3	85.9	114.5	71.4	107.1	135.0	64.5	96.8	129.0

ANCHOR LOAD CAPACITY – PSF (3/8" MAX. SHIMS) EXT.(+) & INT.(-)										
NOMINAL DIMS.		ANCHORS TYPE 'BW'			ANCHORS TYPE 'BC'			ANCHORS TYPE 'CM'		
WIDTH (W)	FRAME HEIGHT	BW2	BW3	BW4	BC2	BC3	BC4	CM2	CM3	CM4
30"	96"	123.7	135.0	135.0	123.7	135.0	135.0	88.3	132.5	135.0
36"		107.1	135.0	135.0	107.1	135.0	135.0	76.4	114.7	135.0
42"		95.5	135.0	135.0	95.5	135.0	135.0	68.1	102.2	135.0
48"		87.0	130.5	135.0	87.0	130.5	135.0	62.1	93.2	124.2
52"		82.6	123.9	135.0	82.6	123.9	135.0	58.9	88.5	117.9
54"		80.7	121.0	135.0	80.7	121.0	135.0	57.6	86.4	115.2
60"		75.9	113.9	135.0	75.9	113.9	135.0	54.2	81.3	108.4
66"		72.3	108.5	135.0	72.3	108.5	135.0	51.6	77.4	103.2
72"		69.6	104.4	135.0	69.6	104.4	135.0	49.7	74.5	99.3
30"	102"	115.2	135.0	135.0	115.2	135.0	135.0	82.2	123.4	135.0
36"		99.4	135.0	135.0	99.4	135.0	135.0	71.0	106.5	135.0
42"		88.4	132.6	135.0	88.4	132.6	135.0	63.1	94.6	126.1
48"		80.3	120.5	135.0	80.3	120.5	135.0	57.3	86.0	114.6
52"		76.1	114.1	135.0	76.1	114.1	135.0	54.3	81.5	108.6
54"		74.2	111.4	135.0	74.2	111.4	135.0	53.0	79.5	106.0
60"		69.6	104.4	135.0	69.6	104.4	135.0	49.7	74.5	99.3
66"		66.0	99.0	132.0	66.0	99.0	132.0	47.1	70.7	94.2
72"		63.3	94.9	126.5	63.3	94.9	126.5	45.2	67.8	90.3
30"	108"	107.8	135.0	135.0	107.8	135.0	135.0	76.9	115.4	135.0
36"		92.8	135.0	135.0	92.8	135.0	135.0	66.2	99.4	132.4
42"		82.3	123.4	135.0	82.3	123.4	135.0	58.7	88.1	117.4
48"		74.6	111.9	135.0	74.6	111.9	135.0	53.2	79.9	106.4
52"		70.5	105.8	135.0	70.5	105.8	135.0	50.3	75.5	100.6
54"		68.7	103.1	135.0	68.7	103.1	135.0	49.1	73.6	98.1
60"		64.2	96.4	128.5	64.2	96.4	128.5	45.8	68.8	91.7
66"		60.7	91.1	121.5	60.7	91.1	121.5	43.3	65.0	86.7
72"		58.0	87.0	116.0	58.0	87.0	116.0	41.4	62.1	82.8
30"	114"	101.2	135.0	135.0	101.2	135.0	135.0	72.2	108.4	135.0
36"		87.0	130.5	135.0	87.0	130.5	135.0	62.1	93.2	124.2
42"		77.0	115.5	135.0	77.0	115.5	135.0	54.9	82.4	109.9
48"		69.6	104.4	135.0	69.6	104.4	135.0	49.7	74.5	99.3
52"		65.7	98.6	131.4	65.7	98.6	131.4	46.9	70.4	93.8
54"		64.0	96.0	128.0	64.0	96.0	128.0	45.7	68.5	91.3
60"		59.7	89.5	119.3	59.7	89.5	119.3	42.6	63.9	85.1
66"		56.2	84.4	112.5	56.2	84.4	112.5	40.1	60.2	80.3
72"		53.5	80.3	107.1	53.5	80.3	107.1	38.2	57.3	76.4
30"	120"	95.5	135.0	135.0	95.5	135.0	135.0	68.1	102.2	135.0
36"		81.9	122.8	135.0	81.9	122.8	135.0	58.4	87.7	116.9
42"		72.3	108.5	135.0	72.3	108.5	135.0	51.6	77.4	103.2
48"		65.3	97.9	130.5	65.3	97.9	130.5	46.6	69.9	93.1
52"		61.5	92.3	123.0	61.5	92.3	123.0	43.9	65.9	87.8
54"		59.9	89.8	119.7	59.9	89.8	119.7	42.7	64.1	85.4
60"		55.7	83.5	111.4	55.7	83.5	111.4	39.7	59.6	79.5
66"		52.4	78.5	104.7	52.4	78.5	104.7	37.4	56.1	74.7
72"		49.7	74.6	99.4	49.7	74.6	99.4	35.5	53.2	71.0
30"	126"	90.3	135.0	135.0	90.3	135.0	135.0	64.4	96.7	128.9
36"		77.3	116.0	135.0	77.3	116.0	135.0	55.2	82.8	110.4
42"		68.2	102.3	135.0	68.2	102.3	135.0	48.7	73.0	97.3
48"		61.4	92.1	122.8	61.4	92.1	122.8	43.8	65.8	87.6
52"		57.8	86.7	115.6	57.8	86.7	115.6	41.3	61.9	82.5
54"		56.2	84.4	112.5	56.2	84.4	112.5	40.1	60.2	80.3
60"		52.2	78.3	104.4	52.2	78.3	104.4	37.3	55.9	74.5
66"		49.0	73.5	98.0	49.0	73.5	98.0	35.0	52.5	69.9

ANCHOR LOAD CAPACITY – PSF (3/8" MAX. SHIMS) EXT.(+) & INT.(-)										
NOMINAL DIMS.		ANCHORS TYPE 'BW'			ANCHORS TYPE 'BC'			ANCHORS TYPE 'CM'		
WIDTH (W)	FRAME HEIGHT	BW2	BW3	BW4	BC2	BC3	BC4	CM2	CM3	CM4
30"	132"	85.7	128.5	135.0	85.7	128.5	135.0	61.1	91.7	122.3
36"		73.3	109.9	135.0	73.3	109.9	135.0	52.3	78.5	104.6
42"		64.5	96.7	129.0	64.5	96.7	129.0	46.0	69.1	92.0
48"		58.0	87.0	116.0	58.0	87.0	116.0	41.4	62.1	82.8
52"		54.5	81.8	109.1	54.5	81.8	109.1	38.9	58.4	77.9
54"		53.0	79.5	106.1	53.0	79.5	106.1	37.8	56.8	75.7
60"		49.1	73.7	98.3	49.1	73.7	98.3	35.1	52.6	70.1
66"		46.4	69.6	92.8	46.4	69.6	92.8	33.1	49.7	66.2
30"	138"	81.5	122.2	135.0	81.5	122.2	135.0	58.1	87.3	116.3
36"		69.6	104.4	135.0	69.6	104.4	135.0	49.7	74.5	99.3
42"		61.2	91.8	122.4	61.2	91.8	122.4	43.7	65.5	87.3
48"		54.9	82.4	109.9	54.9	82.4	109.9	39.2	58.8	78.4
52"		51.6	77.4	103.3	51.6	77.4	103.3	36.8	55.3	73.7
54"		50.2	75.2	100.3	50.2	75.2	100.3	35.8	53.7	71.6
60"		46.4	69.6	92.8	46.4	69.6	92.8	33.1	49.7	66.2
66"		44.0	65.9	87.9	44.0	65.9	87.9	31.4	47.1	62.7
30"	144"	77.7	116.5	135.0	77.7	116.5	135.0	55.4	83.2	110.9
36"		66.3	99.4	132.6	66.3	99.4	132.6	47.3	71.0	94.6
42"		58.2	87.3	116.4	58.2	87.3	116.4	41.5	62.3	83.1
48"		52.2	78.3	104.4	52.2	78.3	104.4	37.3	55.9	74.5
52"		49.0	73.5	98.0	49.0	73.5	98.0	35.0	52.5	69.9
54"		47.6	71.4	95.2	47.6	71.4	95.2	34.0	51.0	67.9
60"		44.0	65.9	87.9	44.0	65.9	87.9	31.4	47.1	62.7
66"		41.4	62.1	82.8	41.4	62.1	82.8	28.8	44.5	59.3

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



SEE SHEET 8 FOR ANCHOR TYPES.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0910.06**
Expiration Date: **07/03/2024**
By: *Manuel Perez*
Miami-Dade Product Control



af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 262-6978
FAX. (305) 262-6978
C.O.A.N. 3538

SERIES FRONT SET ALUM WINDOWALL SYS. (L.M.I.)
Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive
Coral Springs, FL. 33065
Tel. (305) 888-6288 Fax. (305) 888-6289

revisions:

no	date	by	description
A	01.20.17		GENERAL REVISION
B	10.05.17		NO CHANGE THIS SHEET
C	08.26.19		GENERAL REVISION
D	11.04.19		MANUF. ADDRESS REV.
E	06.25.20		UPDATED TO 2020 FBC

date: 03-21-14	scale: -	dr. by: TARIQ	chk. by:
drawing no. W14-12			
sheet 10 of 19			

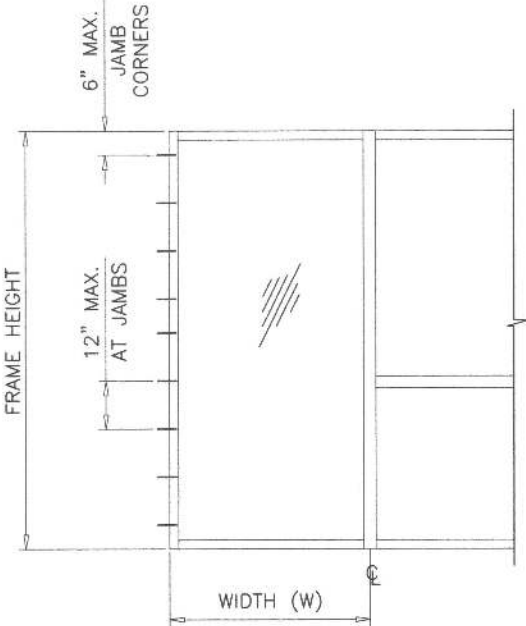
HEAD/SILL ANCHORS

Sealed: 09/09/2020

JAMB ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)						
NOMINAL DIMS.		ANCHORS 'AW', 'AC'	ANCHORS TYPES 'CM'	ANCHORS TYPES 'BW' & 'BC'		
WIDTH (W)	FRAME HEIGHT	1/4" SHIMS	3/8" SHIMS	1/4" SHIMS	3/8" SHIMS	1/4" SHIMS
30"	84"	135.0	135.0	135.0	135.0	135.0
36"		135.0	135.0	135.0	135.0	135.0
42"		135.0	135.0	135.0	135.0	135.0
48"		135.0	135.0	135.0	135.0	135.0
54"		135.0	131.5	135.0	135.0	135.0
60"		135.0	124.9	135.0	135.0	135.0
66"		135.0	120.2	135.0	135.0	135.0
72"		135.0	117.1	135.0	135.0	135.0
30"	90"	135.0	135.0	135.0	135.0	135.0
36"		135.0	135.0	135.0	135.0	135.0
42"		135.0	135.0	135.0	135.0	135.0
48"		135.0	135.0	135.0	135.0	135.0
54"		135.0	135.0	135.0	135.0	135.0
60"		135.0	128.4	135.0	135.0	135.0
66"		135.0	122.9	135.0	135.0	135.0
72"		135.0	118.9	135.0	135.0	135.0
30"	96"	135.0	135.0	135.0	135.0	135.0
36"		135.0	135.0	135.0	135.0	135.0
42"		135.0	135.0	135.0	135.0	135.0
48"		135.0	133.8	135.0	135.0	135.0
54"		135.0	124.1	135.0	135.0	135.0
60"		135.0	116.8	135.0	135.0	135.0
66"		135.0	111.2	135.0	135.0	135.0
72"		133.3	107.0	133.3	135.0	135.0
30"	102"	135.0	135.0	135.0	135.0	135.0
36"		135.0	135.0	135.0	135.0	135.0
42"		135.0	135.0	135.0	135.0	135.0
48"		135.0	135.0	135.0	135.0	135.0
54"		135.0	128.4	135.0	135.0	135.0
60"		135.0	120.4	135.0	135.0	135.0
66"		135.0	114.2	135.0	135.0	135.0
72"		135.0	109.5	135.0	135.0	135.0
30"	108"	135.0	135.0	135.0	135.0	135.0
36"		135.0	135.0	135.0	135.0	135.0
42"		135.0	135.0	135.0	135.0	135.0
48"		135.0	129.0	135.0	135.0	135.0
54"		135.0	118.9	135.0	135.0	135.0
60"		135.0	111.2	135.0	135.0	135.0
66"		130.9	105.1	130.9	135.0	135.0
72"		125.0	100.4	125.0	130.6	135.0
30"	114"	135.0	135.0	135.0	135.0	135.0
36"		135.0	135.0	135.0	135.0	135.0
42"		135.0	135.0	135.0	135.0	135.0
48"		135.0	133.8	135.0	135.0	135.0
54"		135.0	123.0	135.0	135.0	135.0
60"		135.0	114.7	135.0	135.0	135.0
66"		134.7	108.1	134.7	135.0	135.0
72"		128.2	102.9	128.2	133.9	135.0
30"	120"	135.0	135.0	135.0	135.0	135.0
36"		135.0	135.0	135.0	135.0	135.0
42"		135.0	135.0	135.0	135.0	135.0
48"		135.0	125.4	135.0	135.0	135.0
54"		135.0	115.1	135.0	135.0	135.0
60"		133.3	107.0	133.3	135.0	135.0
66"		125.4	100.7	125.4	131.0	135.0
72"		119.0	95.6	119.0	124.3	135.0

JAMB ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)						
NOMINAL DIMS.		ANCHORS 'AW', 'AC'	ANCHORS TYPES 'CM'	ANCHORS TYPES 'BW' & 'BC'		
WIDTH (W)	FRAME HEIGHT	1/4" SHIMS	3/8" SHIMS	1/4" SHIMS	3/8" SHIMS	1/4" SHIMS
30"	126"	135.0	135.0	135.0	135.0	135.0
36"		135.0	135.0	135.0	135.0	135.0
42"		135.0	135.0	135.0	135.0	135.0
48"		135.0	129.9	135.0	135.0	135.0
54"		135.0	118.9	135.0	135.0	135.0
60"		135.0	110.4	135.0	135.0	135.0
66"		129.0	103.6	129.0	134.8	135.0
72"		122.2	98.1	122.2	127.6	135.0
30"	132"	135.0	135.0	135.0	135.0	135.0
36"		135.0	135.0	135.0	135.0	135.0
42"		135.0	135.0	135.0	135.0	135.0
48"		135.0	122.7	135.0	135.0	135.0
54"		135.0	112.1	135.0	135.0	135.0
60"		129.4	103.9	129.4	135.0	135.0
66"		121.2	97.3	121.2	126.6	135.0
72"		114.6	92.0	114.6	119.7	135.0
30"	138"	135.0	135.0	135.0	135.0	135.0
36"		135.0	135.0	135.0	135.0	135.0
42"		135.0	135.0	135.0	135.0	135.0
48"		135.0	126.8	135.0	135.0	135.0
54"		135.0	115.7	135.0	135.0	135.0
60"		133.3	107.0	133.3	135.0	135.0
66"		124.7	100.1	124.7	130.2	135.0
72"		117.6	94.4	117.6	122.9	135.0
30"	144"	135.0	135.0	135.0	135.0	135.0
36"		135.0	135.0	135.0	135.0	135.0
42"		135.0	134.3	135.0	135.0	135.0
48"		135.0	120.4	135.0	135.0	135.0
54"		135.0	109.8	135.0	135.0	135.0
60"		126.3	101.4	126.3	131.9	135.0
66"		117.9	94.7	117.9	123.2	135.0
72"		111.1	89.2	111.1	116.0	135.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



SEE SHEET 8 FOR ANCHOR TYPES.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0910.06**
Expiration Date: **07/03/2024**
By: *Manuel Jerez*
Miami-Dade Product Control



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 W14-12AGP

SERIES FRONT SET ALUM WINDOWALL SYS. (L.M.I.)
Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive
Coral Springs, FL. 33065
Tel. (305) 888-6288 Fax. (305) 888-6289

revisions:

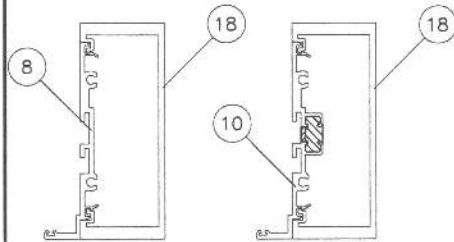
no	date	by	description
A	01.20.17		GENERAL REVISION
B	10.05.17		NO CHANGE THIS SHEET
C	06.26.19		GENERAL REVISION
D	11.04.19		MANUF. ADDRESS REV
E	06.25.20		UPDATED TO 2020 FBC

date: 03-21-14
scale: -
dr. by: TARIQ
chk. by:

drawing no.
W14-12
sheet 10.1 of 19

STD. DOOR MULLION LOAD CAPACITY		
NOMINAL DIMS.		W/O REINF.
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)
30"	84"	90.0
36"		90.0
42"		90.0
48"		90.0
54"		90.0
60"		90.0
30"	96"	90.0
36"		90.0
42"		90.0
48"		85.9
54"		76.4
60"		68.7
30"	97-3/4"	90.0
36"		90.0
42"		90.0
48"		82.7
54"		73.5
58"		68.4

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

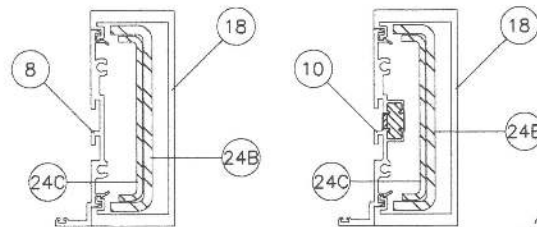


STD. DOOR MULLION
W/O REINF.

Ix IN ⁴	Sx IN ³
6.063	2.695

STD. DOOR MULLION LOAD CAPACITY		
NOMINAL DIMS.		WITH REINF.
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)
30"	84"	90.0
36"		90.0
42"		90.0
48"		90.0
54"		90.0
60"		90.0
30"	96"	90.0
36"		90.0
42"		90.0
48"		90.0
54"		90.0
60"		90.0
30"	102"	90.0
36"		90.0
42"		90.0
48"		90.0
54"		90.0
60"		90.0
30"	108"	90.0
36"		90.0
42"		90.0
48"		90.0
54"		81.7
60"		81.7
30"	114"	90.0
36"		90.0
42"		90.0
48"		90.0
54"		81.5
60"		73.4
30"	120"	90.0
36"		90.0
42"		90.0
48"		82.7
54"		73.6

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



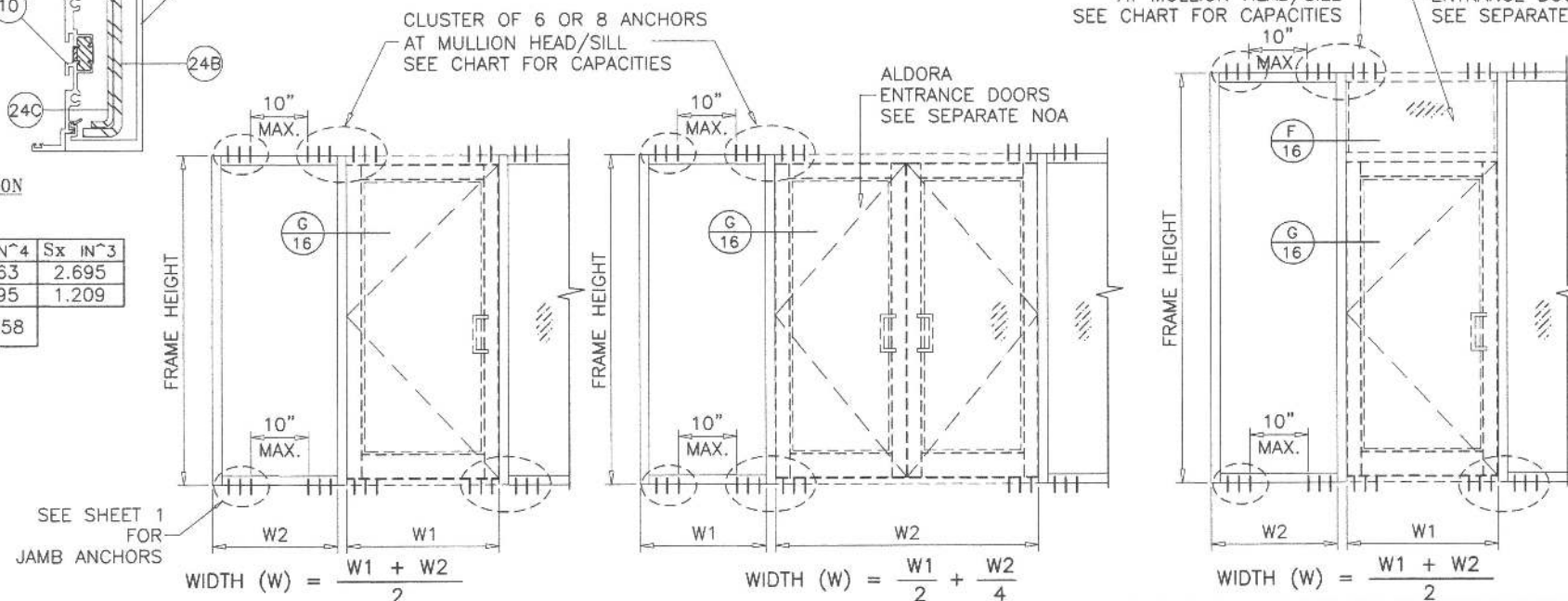
STD. DOOR MULLION
WITH REINF.

	Ix IN ⁴	Sx IN ³
ALUMINUM	6.063	2.695
STEEL	6.795	1.209
TOTAL	12.858	
Ix ALUM + Ix STL X 2.9		

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0910.06**
Expiration Date: **07/03/2024**
By: *Manuel Perez*
Miami-Dade Product Control

DOOR MULLION ANCHORS LOAD CAPACITY - PSF								
NOMINAL DIMS.		6 ANCHORS AT MULLION ENDS				8 ANCHORS AT MULLION ENDS		
		1/4" MAX. SHIMS		3/8" SHIMS		1/4" MAX. SHIMS		3/8" SHIMS
		ANCHOR TYPES 'AW' & 'AC'	ANCHOR TYPES 'CM'	ANCHOR TYPES 'BW' & 'BC'	ANCHOR TYPES 'BW' & 'BC'	ANCHOR TYPES 'AW' & 'AC'	ANCHOR TYPES 'BW' & 'BC'	ANCHOR TYPES 'BW' & 'BC'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30"	84"	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
42"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
48"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
54"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
60"		89.1	90.0	90.0	89.5	90.0	90.0	90.0
30"	96"	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
42"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
48"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
54"		86.7	90.0	90.0	87.0	90.0	90.0	90.0
60"		78.0	90.0	90.0	78.3	90.0	90.0	90.0
30"	102"	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
42"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
48"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
54"		81.6	90.0	90.0	81.9	90.0	90.0	90.0
60"		73.4	90.0	90.0	73.7	90.0	90.0	90.0
30"	108"	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
42"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
48"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
54"		86.7	90.0	90.0	87.0	90.0	90.0	90.0
60"		77.0	90.0	90.0	77.3	90.0	90.0	90.0
30"	114"	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
42"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
48"		86.7	90.0	90.0	87.0	90.0	90.0	90.0
54"		77.0	90.0	90.0	77.3	90.0	90.0	90.0
60"		69.3	90.0	90.0	69.6	87.6	90.0	90.0
30"	120"	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
42"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
48"		82.1	90.0	90.0	82.4	90.0	90.0	90.0
54"		73.0	90.0	90.0	73.3	90.0	90.0	90.0
60"		65.7	90.0	86.4	65.9	83.2	90.0	87.9
30"	120"	90.0	90.0	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0	90.0	90.0
42"		89.1	90.0	90.0	89.5	90.0	90.0	90.0
48"		78.0	90.0	90.0	78.3	90.0	90.0	90.0
54"		69.3	90.0	90.0	69.6	88.0	90.0	90.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



Sealed: 09/09/2020

DOOR MULLION



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

SERIES FRONT SET ALUM WINDOWALL SYS. (L.M.I.)
Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive
Coral Springs, FL 33065
Tel. (305) 888-6288 Fax. (305) 888-6289

revisions:	no	date	by	description
	A	10.20.17		EDITORIAL CHANGES ONLY
	B	10.05.17		REV. PER RER COMMENTS
	C	06.26.19		GENERAL REVISION
	D	11.04.19		MANUF. ADDRESS REV.
	E	06.25.20		UPDATED TO 2020 FBC

date:	03-21-14
scale:	-
dr. by:	TARIQ
chk. by:	

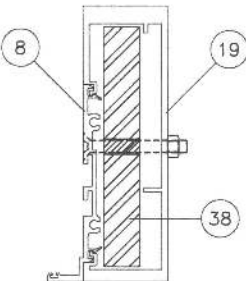
drawing no.	W14-12
sheet	11 of 19

H.D. DOOR MULLION LOAD CAPACITY		
NOMINAL DIMS.		WITH REINF.
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)
30"	126"	80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
60"		80.0
30"	132"	80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
30"	138"	80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
30"	144"	80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

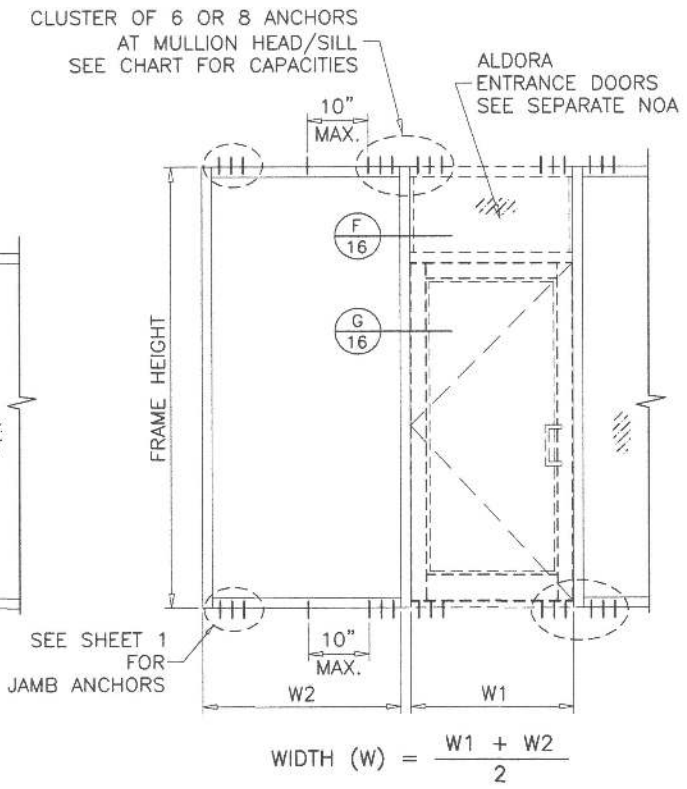
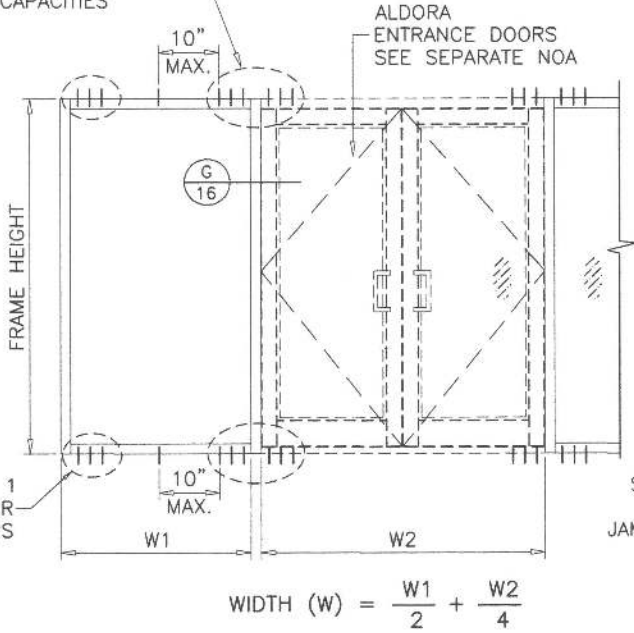
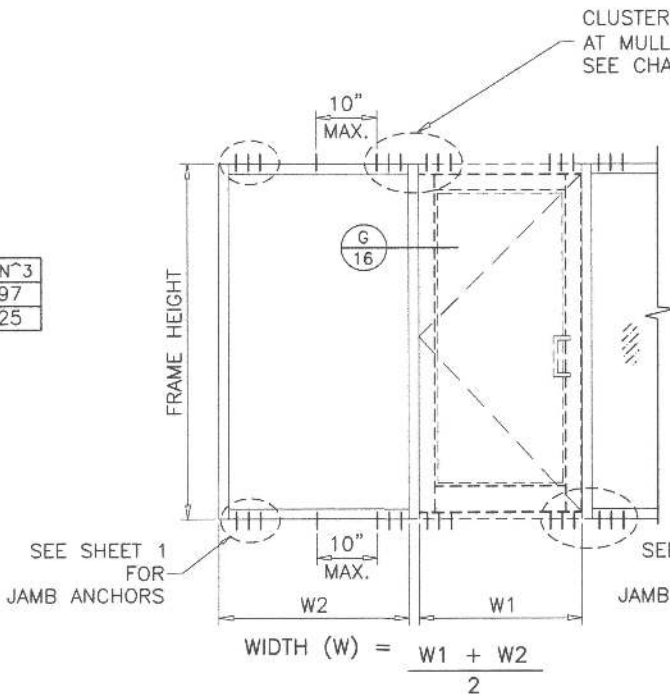
DOOR MULLION ANCHORS LOAD CAPACITY - PSF								
NOMINAL DIMS.		6 ANCHORS AT MULLION ENDS				8 ANCHORS AT MULLION ENDS		
		1/4" MAX. SHIMS		3/8" SHIMS		1/4" MAX. SHIMS		3/8" SHIMS
		ANCHOR TYPES 'AW' & 'AC'	ANCHOR TYPES 'CM'	ANCHOR TYPES 'BW' & 'BC'	ANCHOR TYPES 'BW' & 'BC'	ANCHOR TYPES 'AW' & 'AC'	ANCHOR TYPES 'BW' & 'BC'	ANCHOR TYPES 'BW' & 'BC'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30"	126"	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36"		80.0	80.0	80.0	80.0	80.0	80.0	80.0
42"		80.0	80.0	80.0	80.0	80.0	80.0	80.0
48"		74.3	80.0	80.0	74.6	80.0	80.0	80.0
54"		66.0	80.0	80.0	66.3	80.0	80.0	80.0
60"		59.4	80.0	78.2	59.7	80.0	80.0	79.5
30"	132"	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36"		80.0	80.0	80.0	80.0	80.0	80.0	80.0
42"		80.0	80.0	80.0	80.0	80.0	80.0	80.0
48"		70.9	80.0	80.0	71.2	80.0	80.0	80.0
54"		63.0	80.0	80.0	63.3	80.0	80.0	80.0
30"	138"	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36"		80.0	80.0	80.0	80.0	80.0	80.0	80.0
42"		77.5	80.0	80.0	77.8	80.0	80.0	80.0
48"		67.8	80.0	80.0	68.1	80.0	80.0	80.0
54"		60.3	80.0	79.3	60.5	80.0	80.0	80.0
30"	144"	80.0	80.0	80.0	80.0	80.0	80.0	80.0
36"		80.0	80.0	80.0	80.0	80.0	80.0	80.0
42"		74.3	80.0	80.0	74.6	80.0	80.0	80.0
48"		65.0	80.0	80.0	65.3	80.0	80.0	80.0
54"		57.8	80.0	76.0	58.0	77.0	80.0	77.3

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



H.D. DOOR MULLION
WITH REINF.

	Ix IN^4	Sx IN^3
ALUMINUM	11.342	3.497
STEEL	7.8125	3.125
TOTAL Ix ALUM + Ix STL X 2.9	33.7739	




PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **20-0910.06**
Expiration Date: **07/03/2024**
By: *Manuel Perez*
Miami-Dade Product Control



DOOR MULLION

Sealed: 09/09/2020



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\W14-12AGP

SERIES FRONT SET ALUM WINDOWALL SYS. (L.M.I.)

Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive
Coral Springs, FL 33065
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revisions:	no	date	by	description
	C	06.26.19		GENERAL REVISION
	D	11.04.19		MANUF. ADDRESS REV.
	E	06.25.20		UPDATED TO 2020 FBC

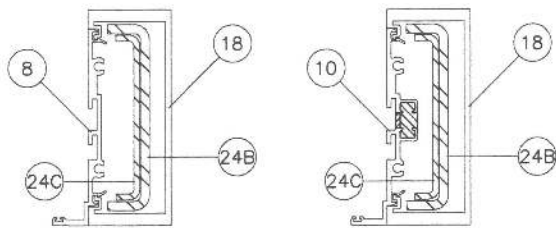
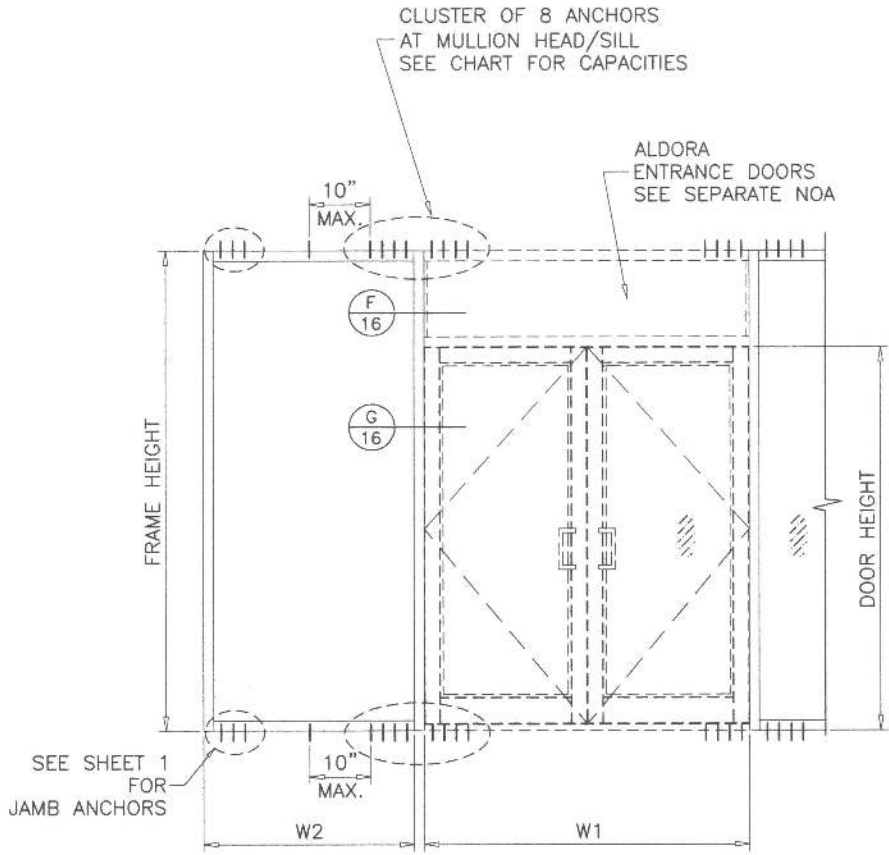
date: 03-21-14
scale: -
dr. by: TARIQ
chk. by:

drawing no.
W14-12

sheet 11.1 of 19

STD. 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	72	30	90.0
			36	90.0
			42	90.0
			48	90.0
			54	85.4
			60	81.1
	84	84	30	90.0
			36	90.0
			42	86.8
			48	82.4
			54	78.4
			60	74.8
120	84	72	30	82.5
			36	77.7
			42	73.4
			48	69.5
			54	66.1
			60	62.9
	84	84	30	74.0
			36	70.1
			42	66.6
			48	63.4
			54	60.5
			60	57.9
108	96	72	30	90.0
			36	90.0
			42	90.0
			48	90.0
			54	90.0
			60	89.0
	84	84	30	90.0
			36	90.0
			42	90.0
			48	90.0
			54	87.1
			60	82.7
120	96	72	30	89.2
			36	83.6
			42	78.6
			48	74.2
			54	70.3
			60	66.7
	84	84	30	80.3
			36	75.7
			42	71.6
			48	68.0
			54	64.6
			60	61.6

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



STD. DOOR MULLION
WITH REINF.

	Ix IN^4	Sx IN^3
ALUMINUM	6.063	2.695
STEEL	6.795	1.209
TOTAL Ix ALUM + Ix STL X 2.9	12.858	

DOOR MULLION ANCHORS LOAD CAPACITY - PSF							
NOMINAL DIMS.				1/4" MAX. SHIMS		3/8" SHIMS	
				ANCHOR TYPES 'AW' & 'AC'	ANCHOR TYPES 'CM'	ANCHOR TYPES 'BW' & 'BC'	ANCHOR TYPES 'BW' & 'BC'
FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
108	96	72	30	90.0	90.0	90.0	90.0
			36	90.0	90.0	90.0	90.0
			42	90.0	90.0	90.0	90.0
			48	90.0	90.0	90.0	90.0
			54	90.0	90.0	90.0	90.0
			60	86.7	90.0	90.0	87.0
	84	84	30	90.0	90.0	90.0	90.0
			36	90.0	90.0	90.0	90.0
			42	90.0	90.0	90.0	90.0
			48	90.0	90.0	90.0	87.5
			54	90.0	90.0	90.0	83.5
			60	79.6	90.0	90.0	79.9
120	96	72	30	90.0	90.0	90.0	90.0
			36	90.0	90.0	90.0	90.0
			42	90.0	90.0	90.0	90.0
			48	88.5	90.0	90.0	90.0
			54	84.0	90.0	90.0	90.0
			60	80.0	90.0	90.0	90.0
	84	84	30	90.0	90.0	90.0	90.0
			36	89.5	90.0	90.0	89.8
			42	84.9	90.0	90.0	85.2
			48	80.8	90.0	90.0	81.1
			54	77.0	90.0	90.0	77.3
			60	73.6	90.0	90.0	73.9

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

DOOR MULLION

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0910.06
Expiration Date: 07/03/2024
By: *Manuel Ferrer*
Miami-Dade Product Control



Sealed: 09/09/2020

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\W14-12AGP

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revisions:	no	date	by	description
	A	01.20.17		EDITORIAL CHANGES ONLY
	B	10.05.17		REV. PER RER COMMENTS
	C	06.26.19		GENERAL REVISION
	D	11.04.19		MANUF. ADDRESS REV
	E	06.25.20		UPDATED TO 2020 FBC

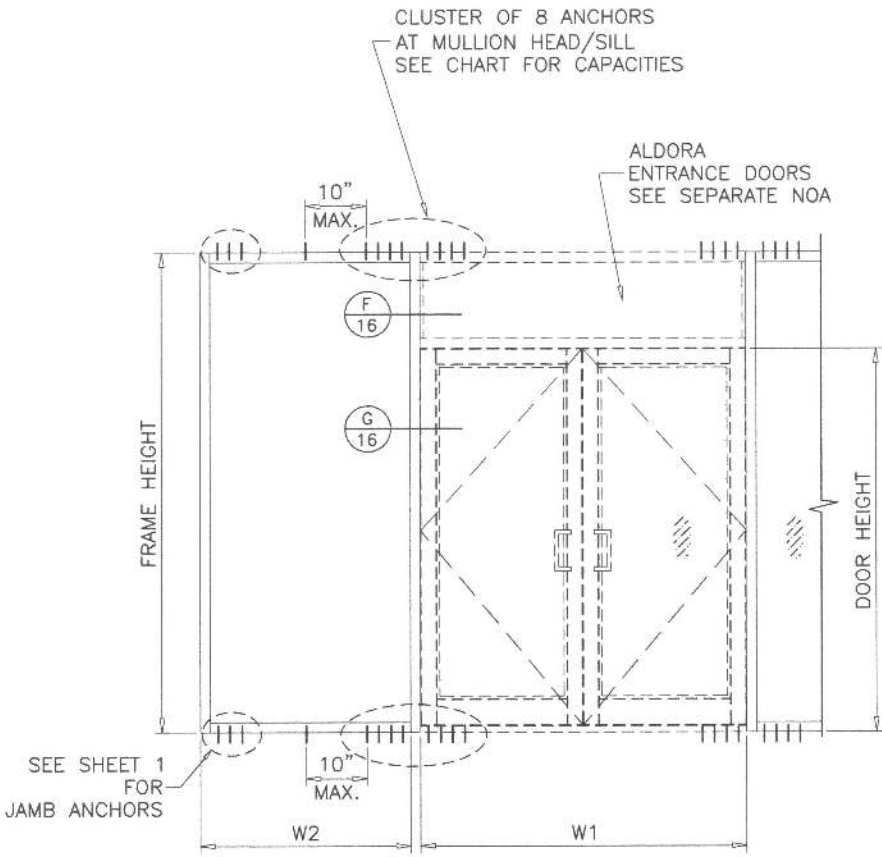
date:	03-21-14
scale:	-
dr. by:	TARIQ
chk. by:	

drawing no.	W14-12
sheet	11.2 of 19

H.D. DOOR MULLION LOAD CAPACITY - PSF				
NOMINAL DIMS.				WITH REINF.
FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT. (+) INT. (-)
144	84	84	30	80.0
			36	80.0
			42	80.0
			48	80.0
			54	80.0
			60	79.1
		92	30	80.0
			36	80.0
			42	80.0
			48	80.0
			54	78.0
			60	74.9
	98-1/2	84	30	80.0
			36	80.0
			42	80.0
			48	77.8
			54	74.7
			60	71.9
	96	84	30	80.0
			36	80.0
			42	80.0
			48	80.0
			54	80.0
			60	80.0
		92	30	80.0
			36	80.0
			42	80.0
			48	80.0
			54	80.0
			60	76.9
	98-1/2	84	30	80.0
			36	80.0
			42	80.0
			48	80.0
			54	76.8
			60	73.8

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

SEE SHEET 1
FOR
JAMB ANCHORS



DOOR MULLION ANCHORS LOAD CAPACITY - PSF							
NOMINAL DIMS.				1/4" MAX. SHIMS		3/8" SHIMS	
				ANCHOR TYPES 'AW' & 'AC'	ANCHOR TYPES 'CM'	ANCHOR TYPES 'BW' & 'BC'	ANCHOR TYPES 'BW' & 'BC'
FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
144	84	84	30	80.0	80.0	80.0	80.0
			36	80.0	80.0	80.0	80.0
			42	76.7	80.0	80.0	77.0
			48	72.7	80.0	80.0	72.9
			54	69.0	80.0	80.0	69.3
			60	65.8	80.0	80.0	66.0
		92	30	80.0	80.0	80.0	80.0
			36	76.4	80.0	80.0	76.7
			42	72.5	80.0	80.0	72.7
			48	68.9	80.0	80.0	69.1
			54	65.6	80.0	80.0	65.9
			60	62.6	80.0	80.0	62.9
		98-1/2	30	77.1	80.0	80.0	77.3
			36	73.0	80.0	80.0	73.3
			42	69.3	80.0	80.0	69.6
			48	66.0	80.0	80.0	66.3
			54	63.0	80.0	80.0	63.3
			60	60.3	88.8	79.3	60.5
	96	84	30	83.2	80.0	80.0	80.0
			36	78.5	80.0	80.0	78.8
			42	74.3	80.0	80.0	74.6
			48	70.5	80.0	80.0	70.8
			54	67.1	80.0	80.0	67.4
			60	64.0	80.0	80.0	64.2
		92	30	78.0	80.0	80.0	78.3
			36	73.8	80.0	80.0	74.1
			42	70.1	80.0	80.0	70.4
			48	66.7	80.0	80.0	67.0
			54	63.7	80.0	80.0	63.9
			60	60.9	80.0	80.0	61.1
		98-1/2	30	74.2	80.0	80.0	74.5
			36	70.5	80.0	80.0	70.7
			42	67.1	80.0	80.0	67.3
			48	64.0	80.0	80.0	64.2
			54	61.1	80.0	80.0	61.4
			60	58.6	80.0	77.0	58.8

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

H.D. DOOR MULLION WITH REINF.		
	Ix IN^4	Sx IN^3
ALUMINUM	11.342	3.497
STEEL	7.8125	3.125
TOTAL	19.1545	6.622
Ix ALUM + Ix STL X 2.9	33.7739	

DOOR MULLION

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0910.06**
Expiration Date: **07/03/2024**
By: *Manuel Torres*
Miami-Dade Product Control



Sealed: 09/09/2020

afC

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
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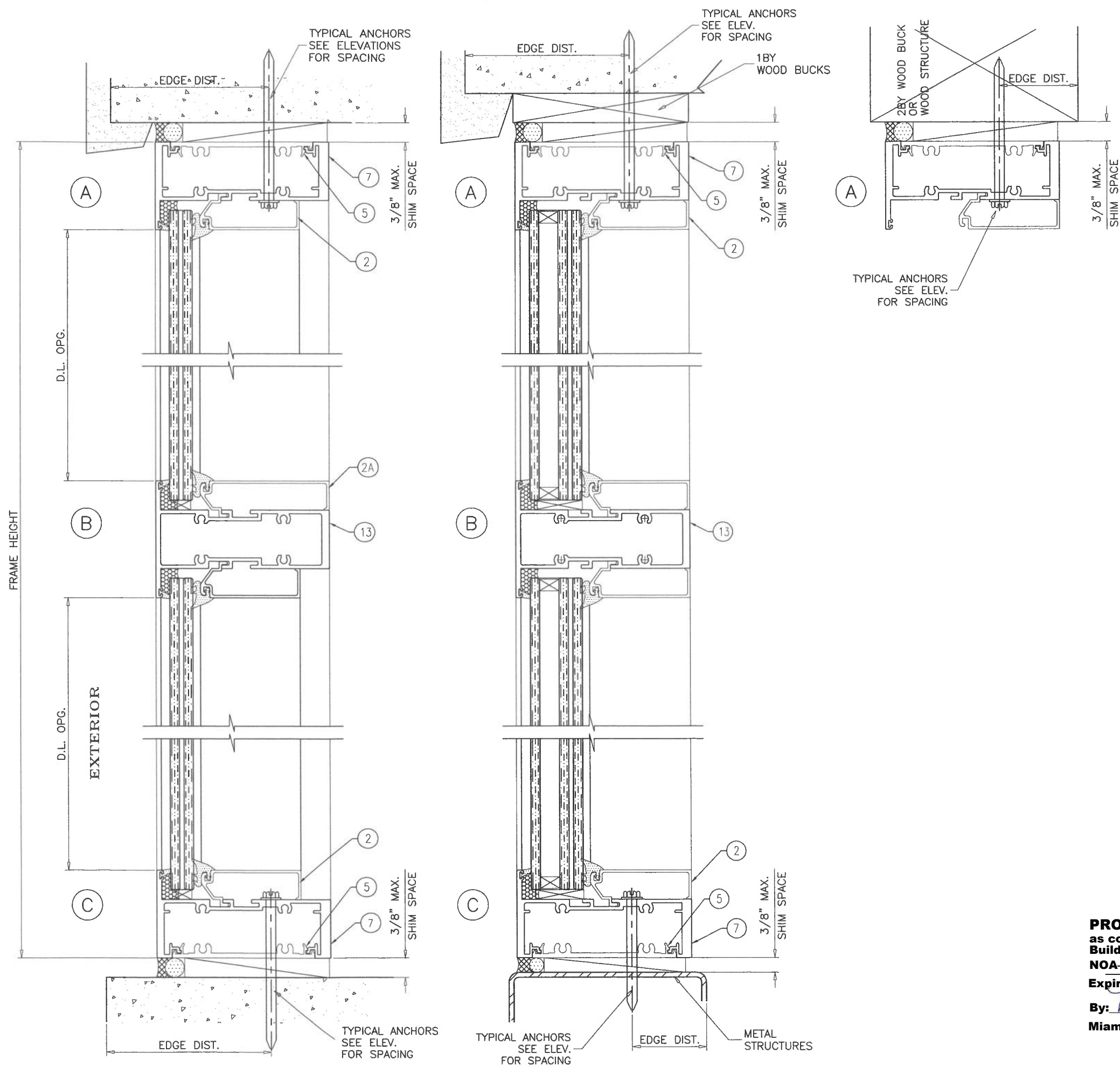
revisions:

no	date	by	description
C	06.26.19		GENERAL REVISION
D	11.04.19		MANUF. ADDRESS REV.
E	06.25.20		UPDATED TO 2020 IBC

date: 03-21-14
scale: -
dr. by: TARIQ
chk. by:

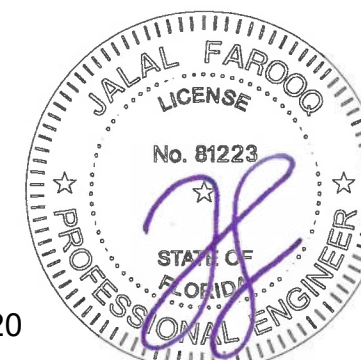
drawing no.
W14-12

sheet 11.3 of 19



PRODUCT REVISED
 as complying with the Florida
 Building Code
 NOA-No. **20-0910.06**
 Expiration Date: **07/03/2024**
 By: *Manuel Fern*
 Miami-Dade Product Control

Sealed: 09/09/2020



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COMP-ANL W14-12AGP

SERIES FRONT SET ALUM WINDOWALL SYS. (L.M.I.)

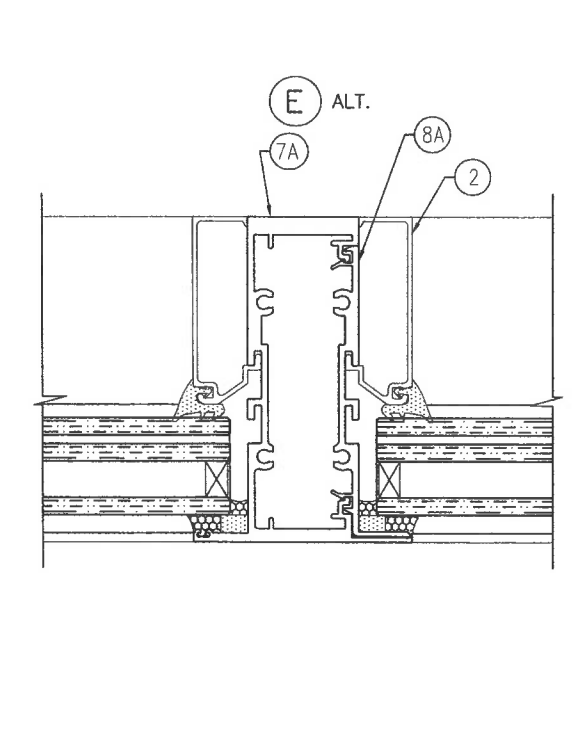
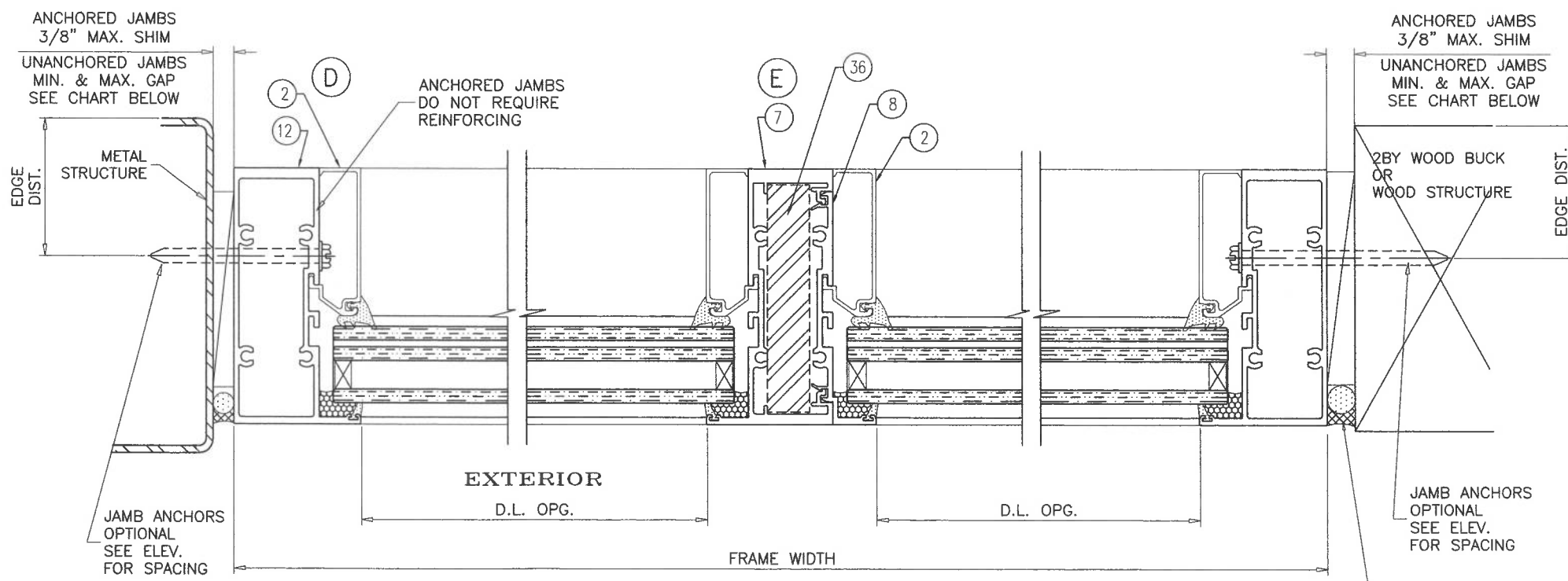
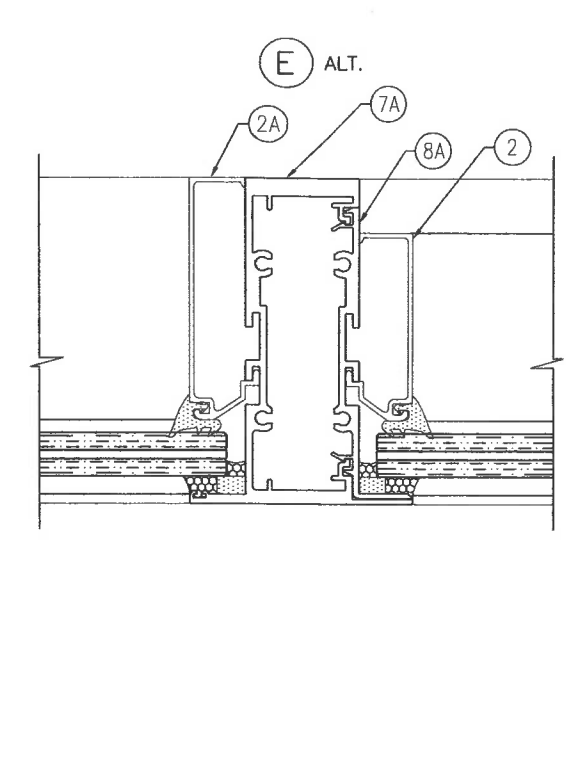
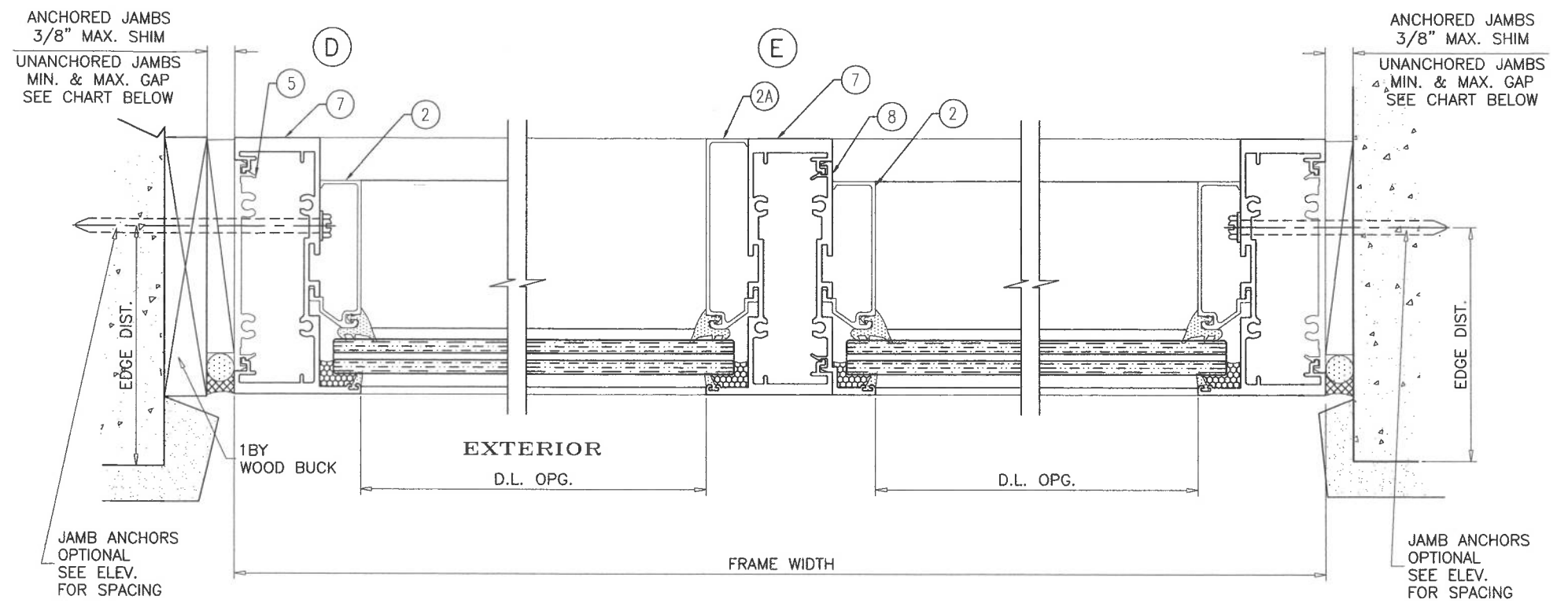
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COMP-ANL W14-12AGP

no	date	by	description
A	01.20.17		GENERAL REVISION
B	10.05.17		NO CHANGE THIS SHEET
C	06.26.19		GENERAL REVISION
D	11.04.19		MANUF. ADDRESS REV.
E	06.25.20		UPDATED TO 2020 FBC

date: 03-21-14	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:	
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drawing no. W14-12	sheet 12 of 19
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MAX. FRAME HEIGHT	MAX. GAPS FOR UNANCHORED JAMBS			
	MULLION M1, M3 JAMB J1, J2, J3		MULLION M2, M4 JAMB J2, J4	
	MIN.	MAX.	MIN.	MAX.
84"	1/4"	1"	1/4"	1"
96"	1/4"	1"	1/4"	1"
108"	1/4"	1"	3/8"	1"
120"	1/4"	1"	3/8"	1"
132"	-	-	3/8"	1"
144"	-	-	3/8"	1"

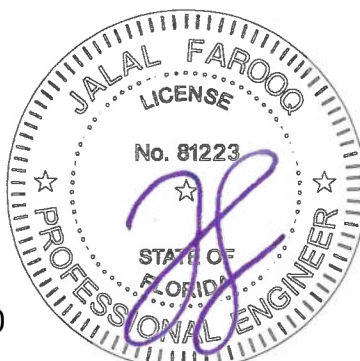
NOTE:
MAX. MOVEMENT CONSIDERED=100% STRETCH.
PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION
MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOWALL
MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY.
REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.

ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY
ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.

GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORD BY
THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.
REFER TO SHEETS 4 THRU 7 FOR SELECTION OF MULLION/JAMB WITH
REINFORCED & UNREINFORCED FRAMES.

SILICONE AT UNANCHORED JAMBS
DOWSIL 790
DEPTH = 3/8" MIN.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0910.06**
Expiration Date: **07/03/2024**
By: *Manuel Ferrer*
Miami-Dade Product Control



Sealed: 09/09/2020

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ENGINEERS & PRODUCT DEVELOPMENT
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COMP-ANL W14-12AGP

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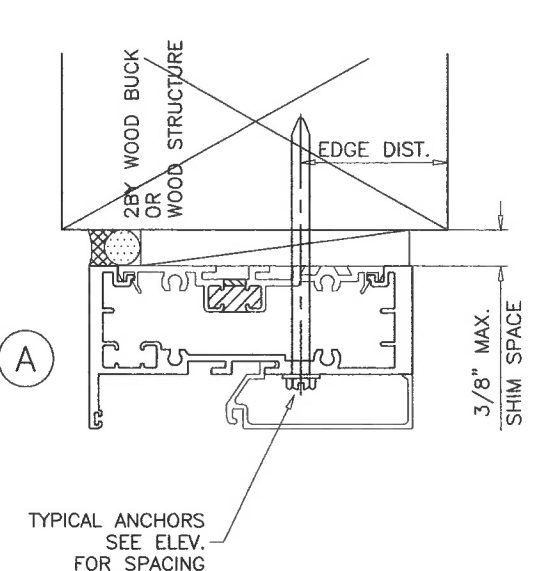
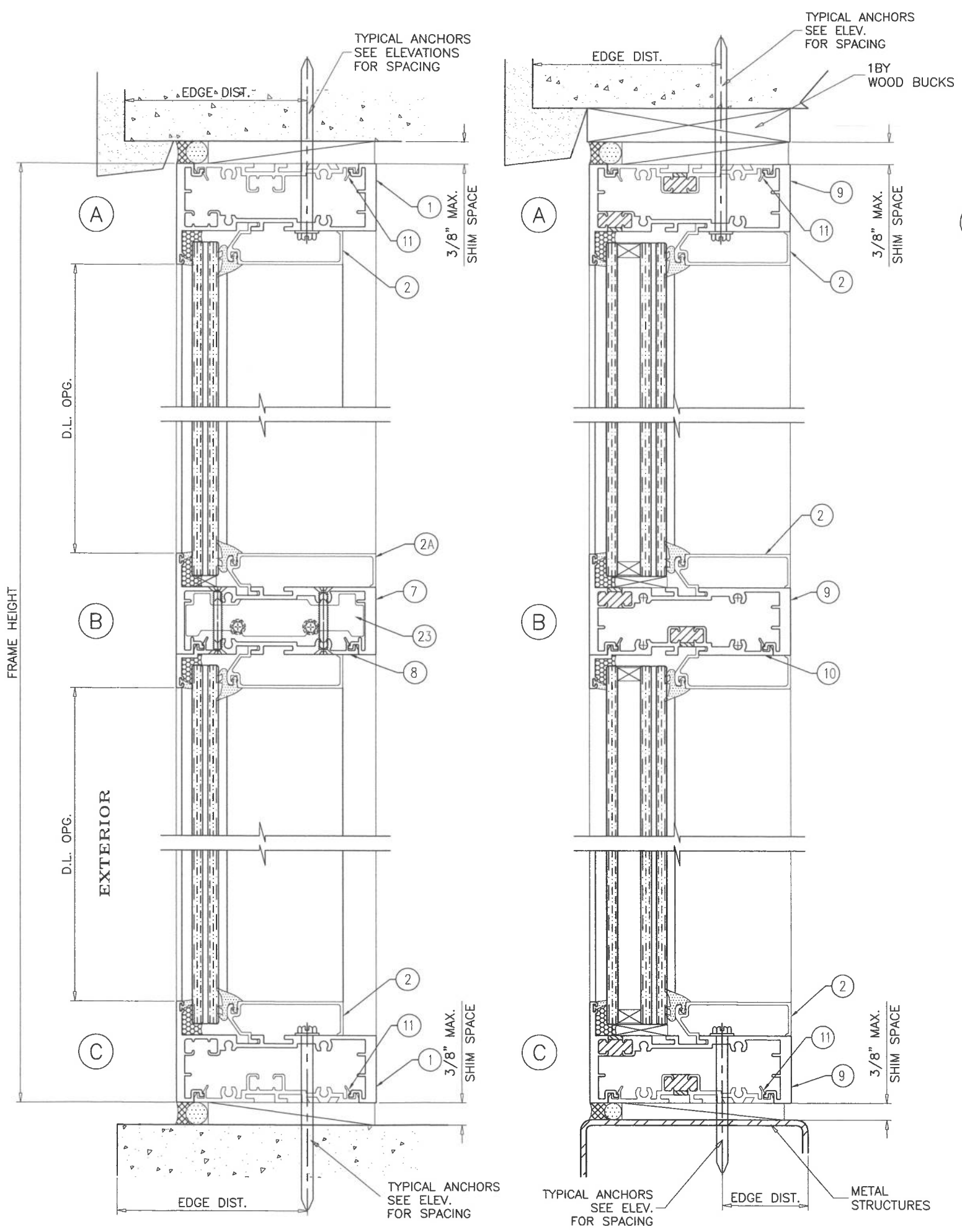
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dr. by: TARIQ
chk. by:

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drawing no.
W14-12

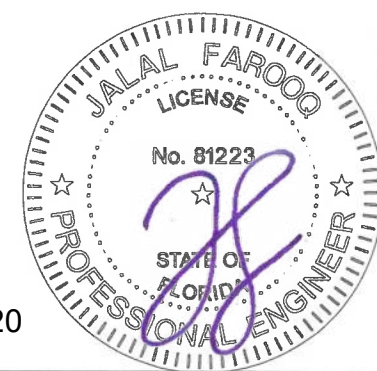
sheet 13 of 19

FRAME HEIGHT



PRODUCT REVISED
as complying with the Florida
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NOA-No. **20-0910.06**
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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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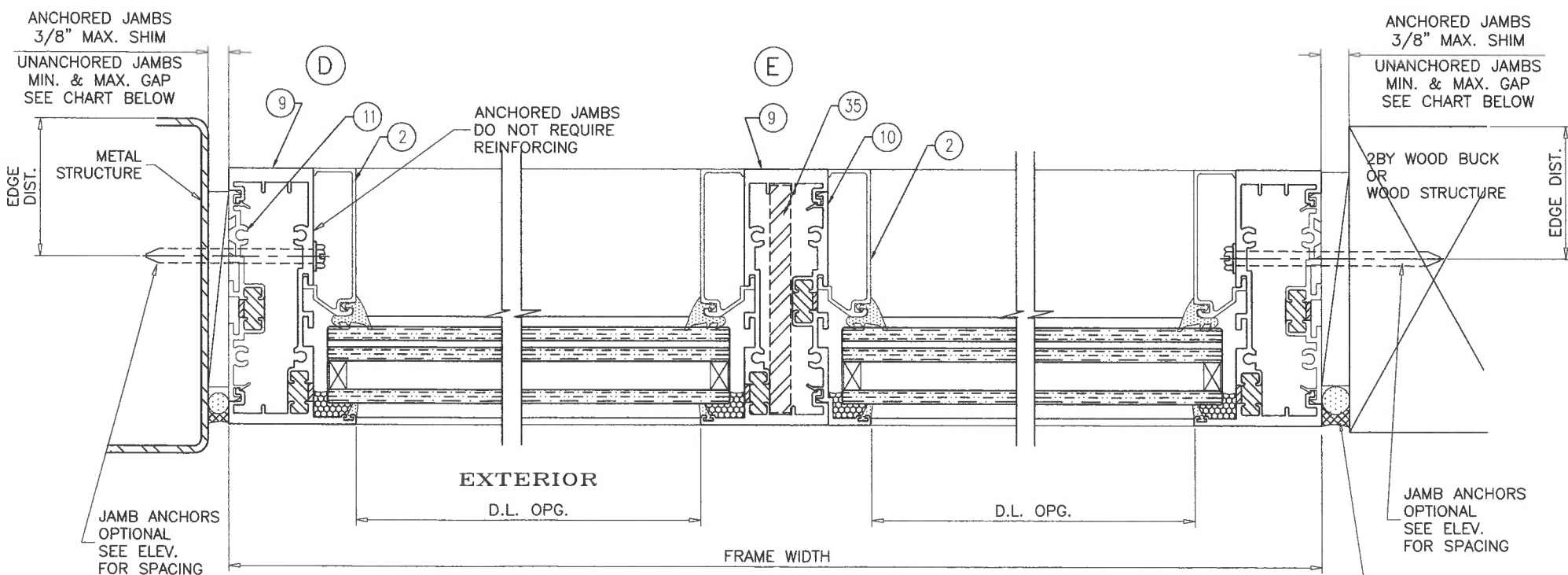
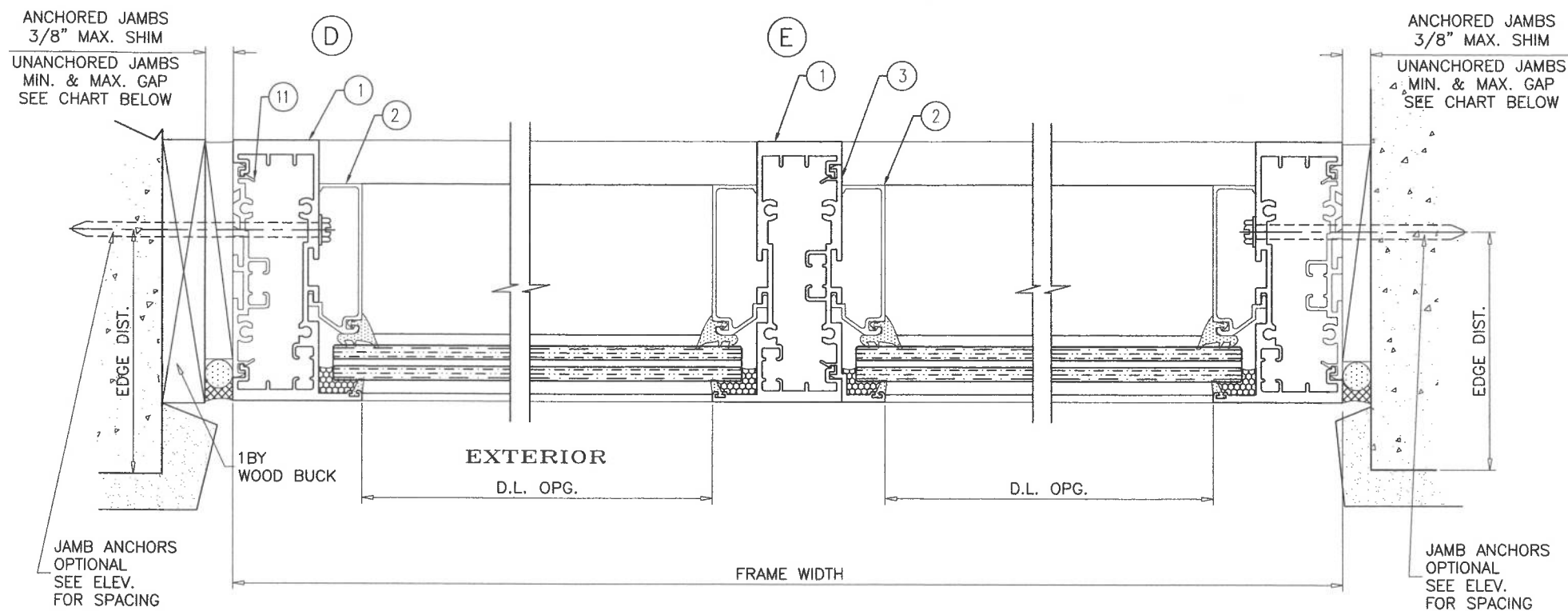
SERIES FRONT SET ALUM WINDOWALL SYS. (L.M.I.)

Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive
Coral Springs, FL. 33065
Tel. (305) 888-6288 Fax. (305) 888-6289

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chk. by:

drawing no.
W14-12
sheet 14 of 19



MAX. FRAME HEIGHT	MAX. GAPS FOR UNANCHORED JAMBS			
	MULLION M1, M3 JAMB J1, J2, J3		MULLION M2, M4 JAMB J2, J4	
	MIN.	MAX.	MIN.	MAX.
84"	1/4"	1"	1/4"	1"
96"	1/4"	1"	1/4"	1"
108"	1/4"	1"	3/8"	1"
120"	1/4"	1"	3/8"	1"
132"	—	—	3/8"	1"
144"	—	—	3/8"	1"

NOTE:
MAX. MOVEMENT CONSIDERED=100% STRETCH.
PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOWALL MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY.
REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.

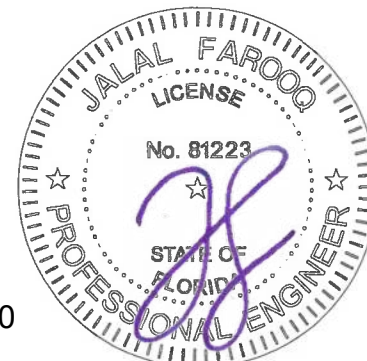
ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.

GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORD BY THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.
REFER TO SHEETS 4 THRU 7 FOR SELECTION OF MULLION/JAMB WITH REINFORCED & UNREINFORCED FRAMES.

SILICONE AT UNANCHORED JAMBS
DOWSIL 790
DEPTH = 3/8" MIN.

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Miami-Dade Product Control

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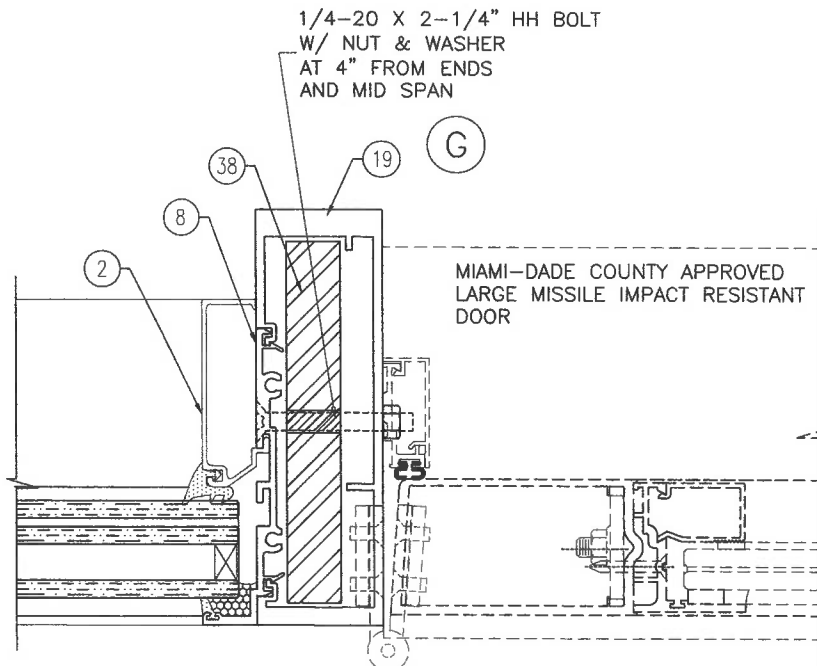
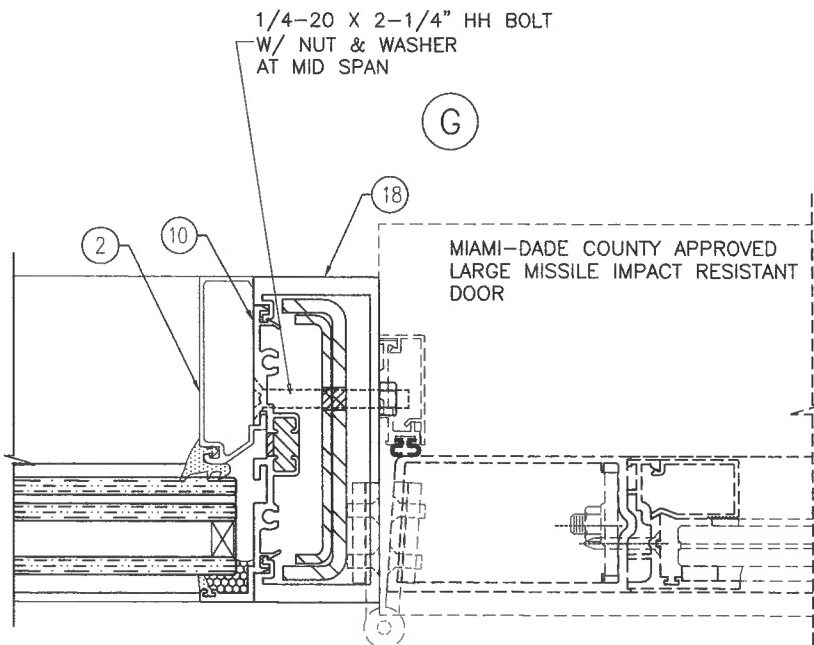
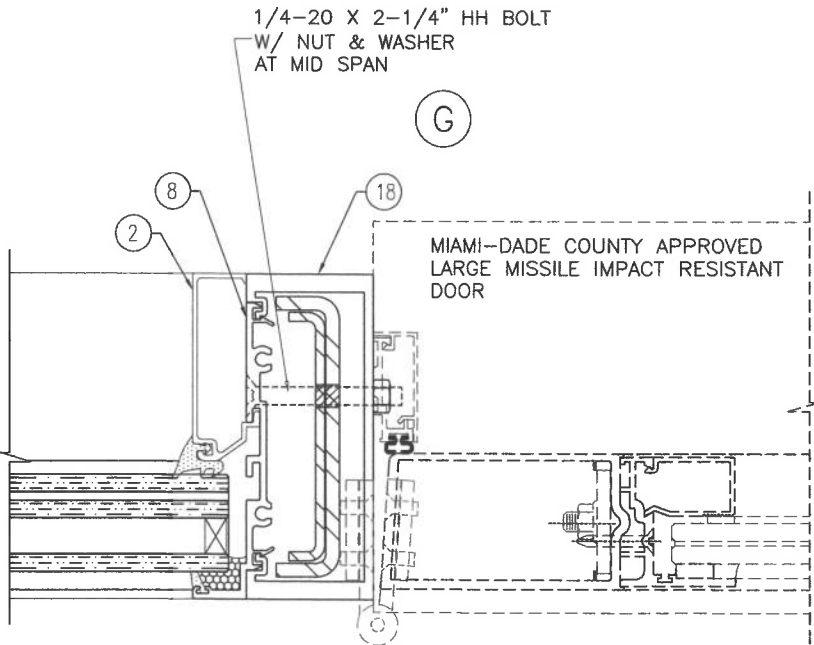
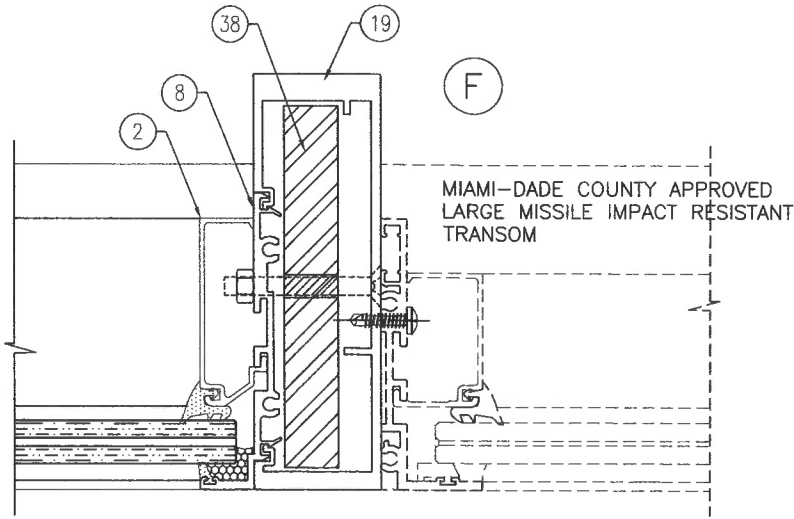
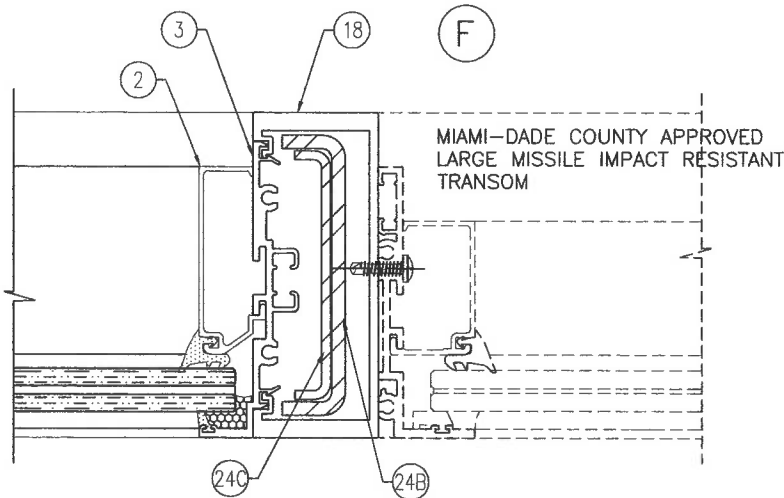
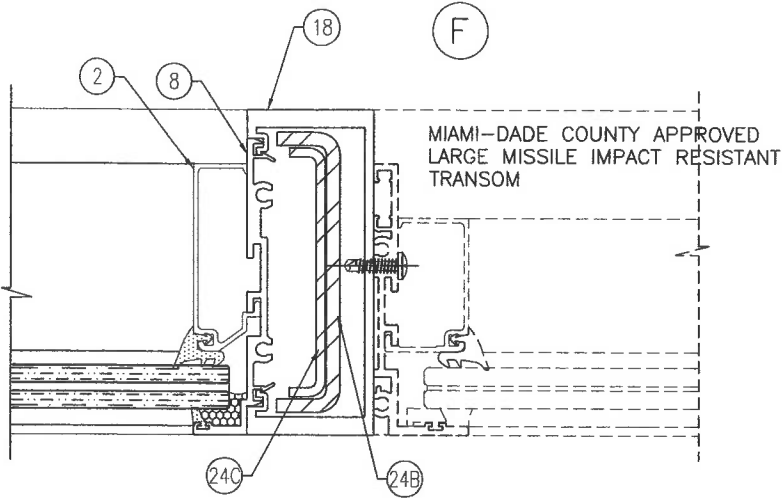
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chk. by:

drawing no.
W14-12
sheet 15 of 19

COMP-ANL W14-12AGP

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.



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drawing no.
W14-12
sheet 16 of 19



7A

9

1

2

2A

5

11

13

23

8

8A

10

35

36

37

38

10

1

18

drawing no.
W14-12

sheet 17 of 19

ITEM #	PART #	REQ'D	DESCRIPTION	MATERIAL	MANF. / SUPPLIER / REMARKS
1	SMI-311	AS REQ'D	HEAD, INTERM., SILL, JAMB AND MULLION- HEAVY.	6063-T6	-
2	SMI-312	AS REQ'D	GLASS STOP	6063-T6	-
2A	SMI-314	AS REQ'D	GLASS STOP (LARGER)	6063-T6	-
3	SMI-313	AS REQ'D	FIN SNAP	6063-T6	-
4	SMI-094	AS REQ'D	PLAIN SNAP	6063-T6	-
5	SMI-004	AS REQ'D	PLAIN SNAP	6063-T6	-
7	SMI-316	AS REQ'D	HEAD, INTERM., SILL, JAMB & MULLION- HEAVY	6063-T6	-
7A	SMI-321	AS REQ'D	INTERMEDIATE HORIZONTAL & MULLION- TYPE 2	6063-T6	-
8	SMI-317	AS REQ'D	FIN SNAP	6063-T6	-
8A	SMI-322	AS REQ'D	FIN SNAP TYPE 2	6063-T6	-
9	SMI-311T	AS REQ'D	POUR & DEBRIDGE HEAD, INTERM., SILL, JAMB & MULLION- HEAVY.	6063-T6	-
10	SMI-313T	AS REQ'D	POUR & DEBRIDGE FIN SNAP	6063-T6	-
11	SMI-094T	AS REQ'D	POUR & DEBRIDGE PLAIN SNAP	6063-T6	-
12	SMI-318	AS REQ'D	HEAD, JAMB & SILL.	6063-T6	-
13	SMI-319	AS REQ'D	INTERMEDIATE HORIZONTAL	6063-T6	-
18	SMI-005	AS REQ'D	STD. DOOR FRAME JAMB	6063-T6	-
19	SMI-076	AS REQ'D	H.D. DOOR FRAME JAMB	6005-T5	-
23	SMI-320	AS REQ'D	SHEAR BLOCK (1" LG.)	6063-T6	-
24B	7/8"X3 7/8"X7/8"	AS REQ'D	REINFORCING CHANNEL 3/16"THK.	STEEL	-
24C	1/2"X3 7/16"X1/2"	AS REQ'D	REINFORCING CHANNEL 1/8"THK.	STEEL	-
25	SMI-G01	AS REQ'D	GASKET (AT INTERIOR)	EPDM	TREMCO
26	SMI-G13	AS REQ'D	SPACER / RETAINER OUTER GASKET	SANTOPRENE	MELTPPOINT PLASTICS INTERNATIONAL.
27	SMI-G17	AS REQ'D	SINGLE FACE FOAM TAPE (3/8" X 1/4")	VINYL FOAM	FRANK LOWE
30	SMI-G12	AS REQ'D	DOUBLE FACE FOAM TAPE (3/16" X 1/2")	VINYL FOAM	FRANK LOWE
32	SMI-SB04	2 PER GL.	SETTING BLOCKS (3/8" X 1 1/4" X 4" LG.)	EPDM	TREMCO, DUROMETER 80±5 SHORE A
34	SMI-SB07	2 PER GL.	SETTING BLOCKS (1/4" X 1 1/4" X 4" LG.)	EPDM	TREMCO, DUROMETER 80±5 SHORE A
35	3/8" X 4"	AS REQ'D	REINFORCING BAR	STEEL	A36, Fu MIN. = 58 KSI
36	3/4" X 4"	AS REQ'D	REINFORCING BAR	STEEL	A36, Fu MIN. = 58 KSI
37	5/8" X 4"	AS REQ'D	REINFORCING BAR	STEEL	A36, Fu MIN. = 58 KSI
38	3/4" X 5"	AS REQ'D	REINFORCING BAR	STEEL	A36, Fu MIN. = 58 KSI
46	#12 X 1 1/2"	4/CORNER	FRAME ASSEMBLY SCREWS	ST. STEEL	HEX. HEAD MACHINE SCREW
47	11/16"X 4" X 11/16"	AS REQ'D	JAMB REINFORCING CHANNEL 3/16"THK.	STEEL	-

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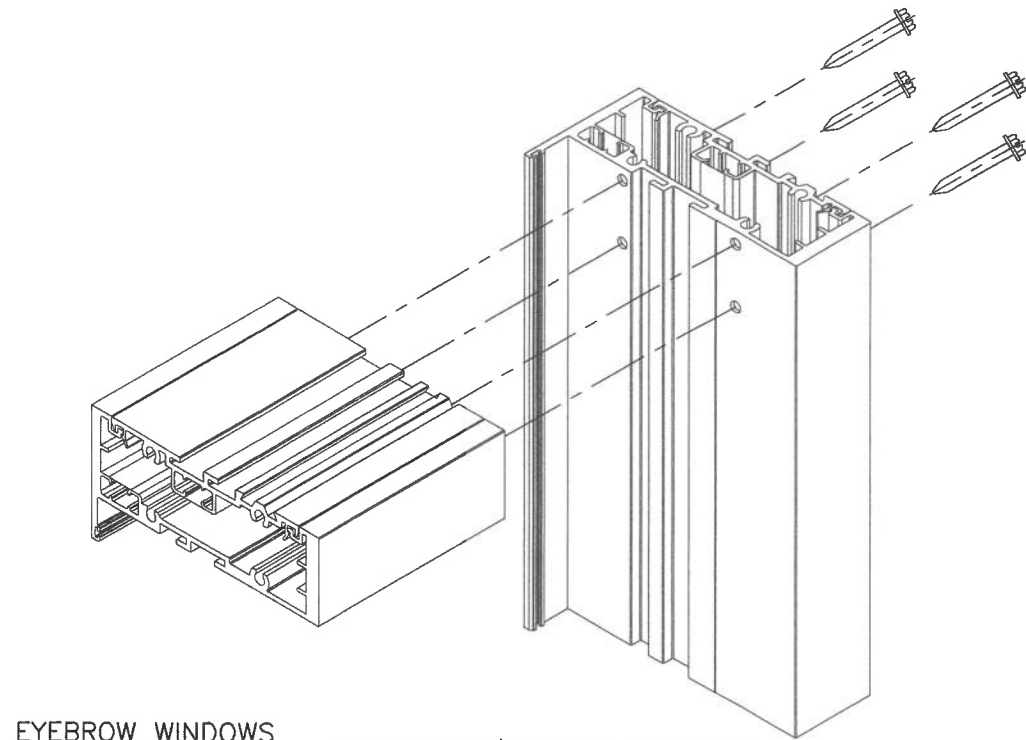
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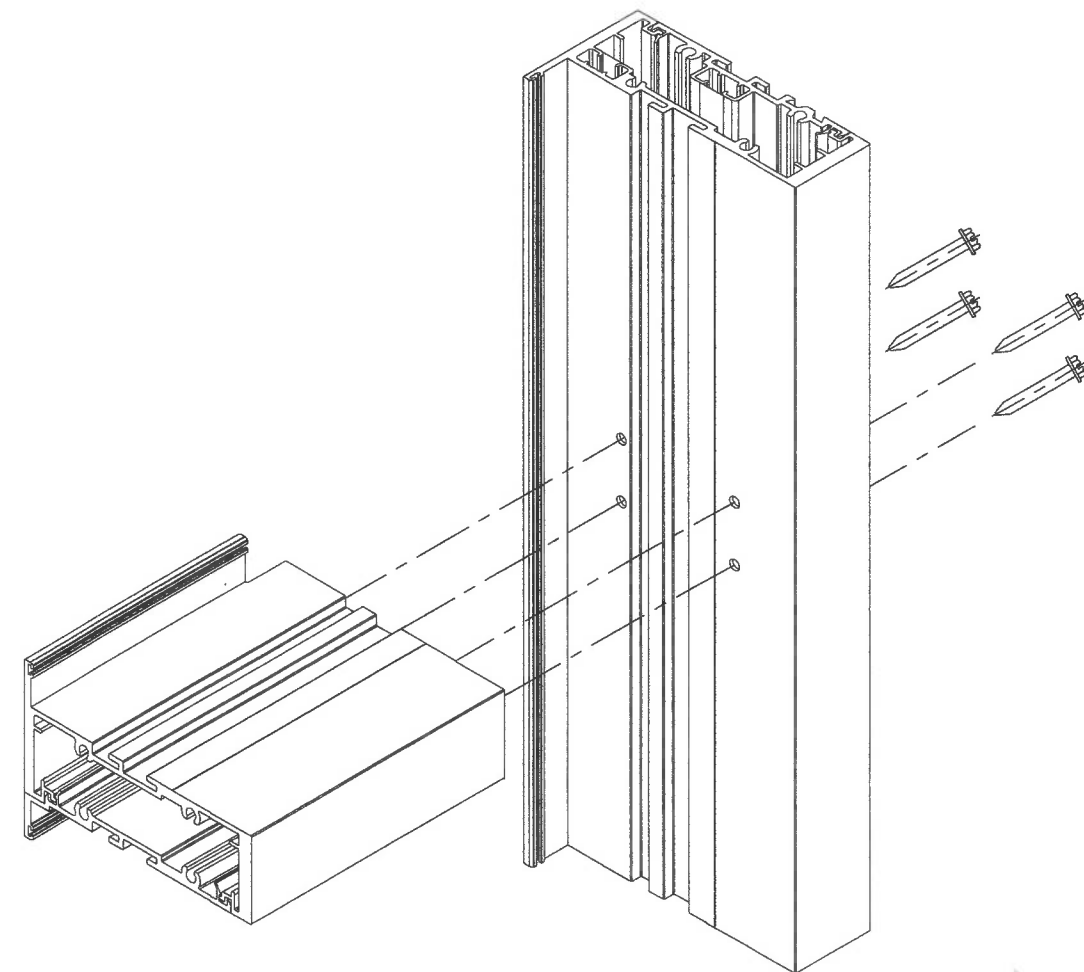
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drawing no.
W14-12
sheet 18 of 19



EYEBROW WINDOWS
TOP CORNER

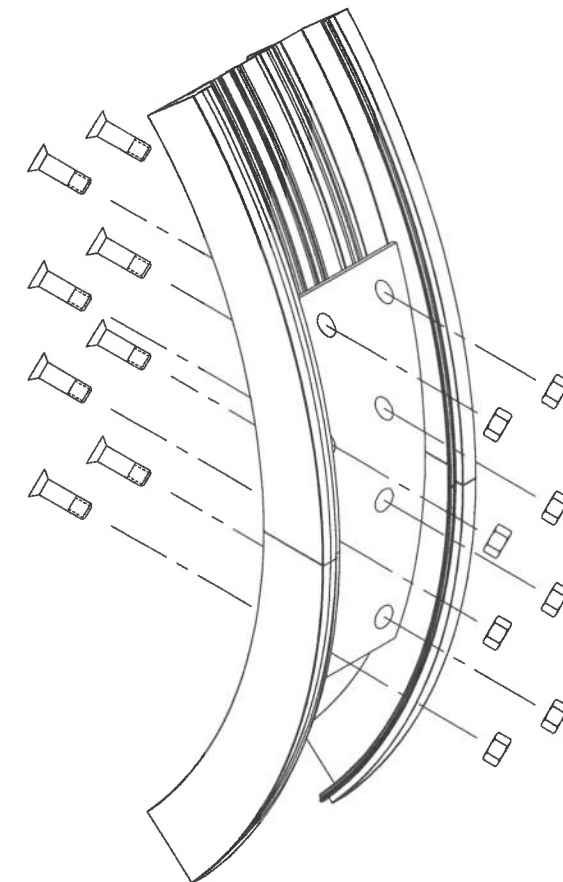
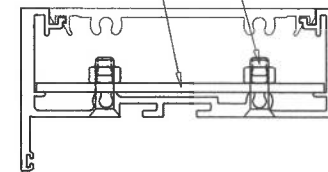
FRAME TOP/BOTTOM CORNERS



INTERMEDIATE HORIZONTAL CORNERS

1/4-20 X 1" LONG
FT. HD. PH. MACHINE BOLT
ST/ST WITH NUT
(8) PER PLATE

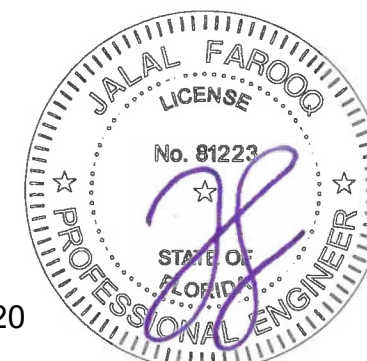
1/8" X 4" ALUM PALTE
10" LONG



SPLICE JOINT AT
HALF & FULL CIRCLE CORNERS

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sheet 19 of 19

COMP-ANL W14-12AGP