



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

Gopi Glass Sales & Services Corp.
7450 N.W. 41st Street
Miami, FL 33166

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 "1000" Aluminum Window Wall System – L.M.I.

APPROVAL DOCUMENT: Drawing No. **19-111D**, titled "Series-1000 Alum. Window Wall System (L.M.I.)", sheets 1 through 11 of 11, dated 10/24/19, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval 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 consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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




8/20/20

NOA No. 20-0630.03
Expiration Date: August 27, 2025
Approval Date: August 27, 2020
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **19-111D**, titled "Series-1000 Alum. Window Wall System (L.M.I.)", sheets 1 through 11 of 11, dated 10/24/19, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

B. TESTS

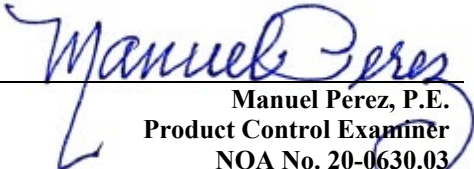
1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Drop Load Test, per ANSI Z97.1 (400 foot-pound impact)
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-10713**, dated 11/05/19 and revised on 11/22/19, signed and sealed by Idalmis Ortega, P.E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Drop Load Test, per ANSI Z97.1 (400 foot-pound impact)
along with marked-up drawings and installation diagram of an aluminum window wall system and aluminum storefront doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-12006**, dated 03/13/20 and revised on 11/22/19, signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)** and **FBC 7th Edition (2020)**, dated 03/26/20, 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).


Manuel Perez, P.E.
Product Control Examiner
NOA No. 20-0630.03
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Gopi Glass Sales & Services Corp.

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E. MATERIAL CERTIFICATIONS

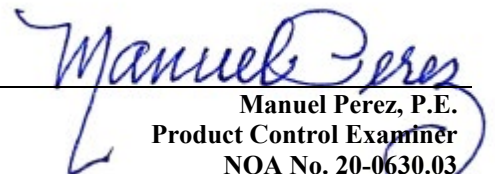
1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 05/09/19, expiring on 07/08/24.
2. Notice of Acceptance No. **18-0725.11** issued to **Kuraray America, Inc.** for their “**Kuraray SentryGlas® 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)** and **FBC 7th Edition (2020)**, and of no financial interest, dated March 26, 2020, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

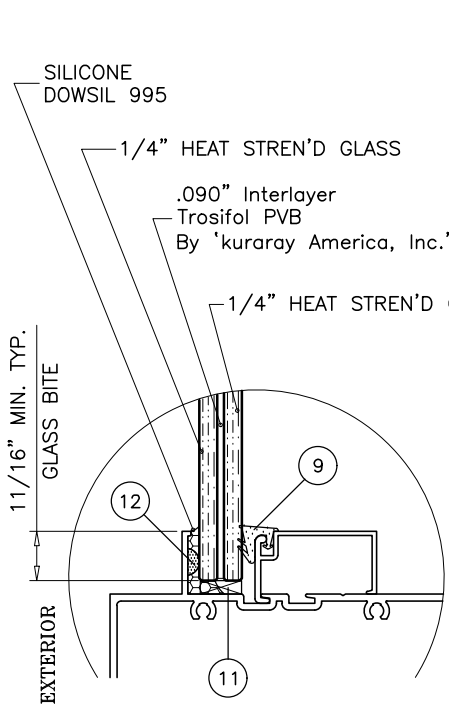
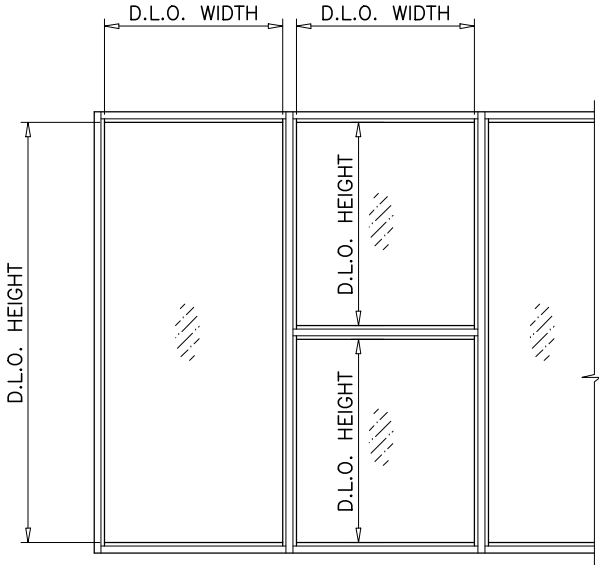
G. OTHERS

1. None.

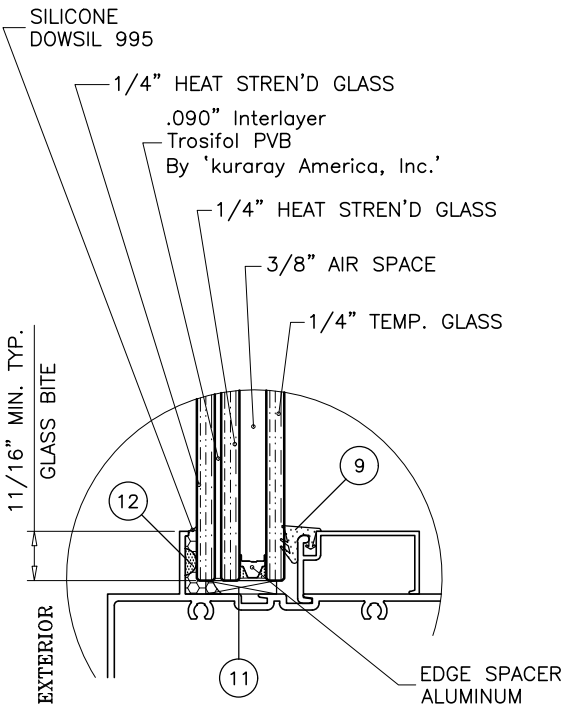

Manuel Perez, P.E.
Product Control Examiner
NOA No. 20-0630.03
Expiration Date: August 27, 2025
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GLASS LOAD CAPACITY - PSF					
NOMINAL DIMS.		GLASS TYPES 'A' & 'Ai'		GLASS TYPES 'B' & 'Bi'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
32-1/2"	96-3/4"	70.0	70.0	80.0	100.0
38-1/2"		70.0	70.0	80.0	91.4
44-1/2"		70.0	70.0	80.0	80.0
50-1/2"		62.2	62.2	71.1	71.1
56-1/2"		56.0	56.0	64.0	64.0
62-1/2"		50.9	50.9	58.2	58.2
32-1/2"	102-3/4"	70.0	70.0	80.0	100.0
38-1/2"		70.0	70.0	80.0	91.4
44-1/2"		70.0	70.0	80.0	80.0
50-1/2"		62.2	62.2	71.1	71.1
56-1/2"		56.0	56.0	64.0	64.0
32-1/2"	108-3/4"	70.0	70.0	80.0	100.0
38-1/2"		70.0	70.0	80.0	91.4
44-1/2"		70.0	70.0	80.0	80.0
50-1/2"		62.2	62.2	71.1	71.1
56-1/2"		56.0	56.0	64.0	64.0
32-1/2"	114-3/4"	70.0	70.0	80.0	100.0
38-1/2"		70.0	70.0	80.0	91.4
44-1/2"		70.0	70.0	80.0	80.0
50-1/2"		62.2	62.2	71.1	71.1
32-1/2"	120-3/4"	70.0	70.0	80.0	100.0
38-1/2"		70.0	70.0	80.0	91.4
44-1/2"		70.0	70.0	80.0	80.0
50-1/2"		62.2	62.2	71.1	71.1
32-1/2"	126-3/4"	70.0	70.0	80.0	100.0
38-1/2"		70.0	70.0	80.0	90.6
44-1/2"		70.0	70.0	80.0	80.0
32-1/2"	132-3/4"	70.0	70.0	80.0	100.0
38-1/2"		70.0	70.0	80.0	89.9
44-1/2"		70.0	70.0	80.0	80.0
32-1/2"	138-3/4"	70.0	70.0	80.0	100.0
38-1/2"		70.0	70.0	80.0	89.2
44-1/2"		70.0	70.0	80.0	80.0

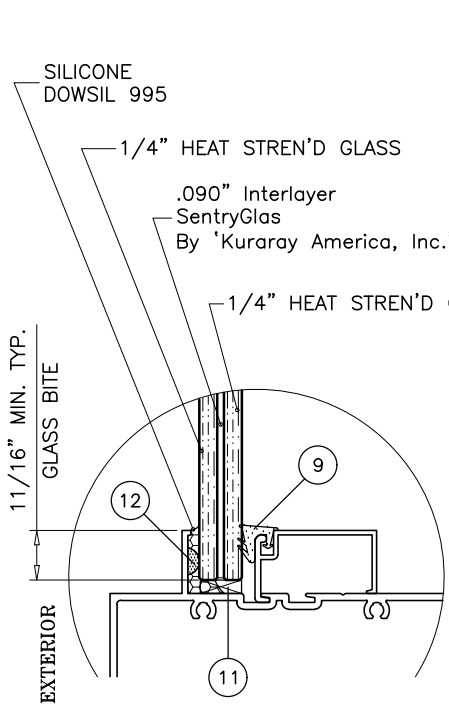
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



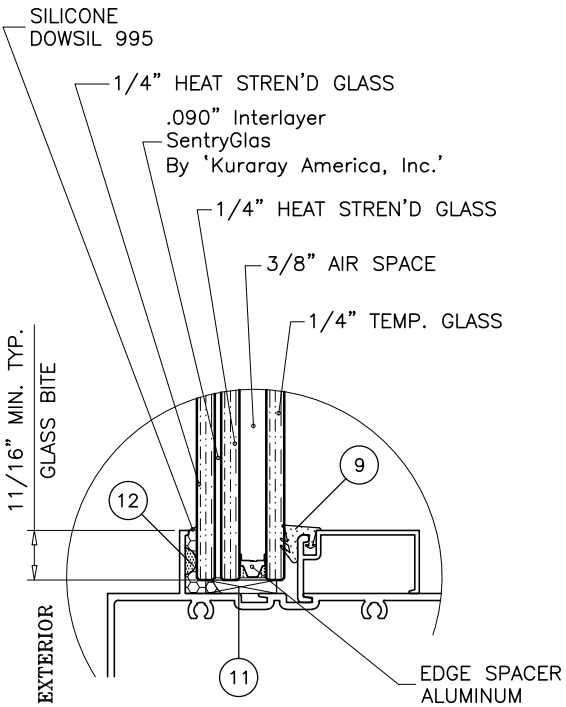
GLASS TYPE 'A'
9/16" LAM. GLASS



GLASS TYPE 'Ai'
1-3/16" LAM. INSUL. GLASS



GLASS TYPE 'B'
9/16" LAM. GLASS



GLASS TYPE 'Bi'
1-3/16" LAM. INSUL. GLASS

GLAZING OPTIONS

PRODUCT APPROVED
As complying with the Florida
Building Code
NOA-No. 20-0630.03
Approval Date: 08/27/20
By: *Manuel Perez*
Miami-Dade Product Control



GLASS

Sealed:06/22/20

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

a f c

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

SERIES-1000 ALUM WINDOW WALL SYSTEM (L.M.I.)

Gopi Glass Sales & Services Corp.
7450 N.W. 41 STREET
MIAMI, FL. 33166
TEL. (305) 592-2089 FAX. (305) 477-0992

revisions:

no	date	by	description

date: 10-24-19

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

drawing no.

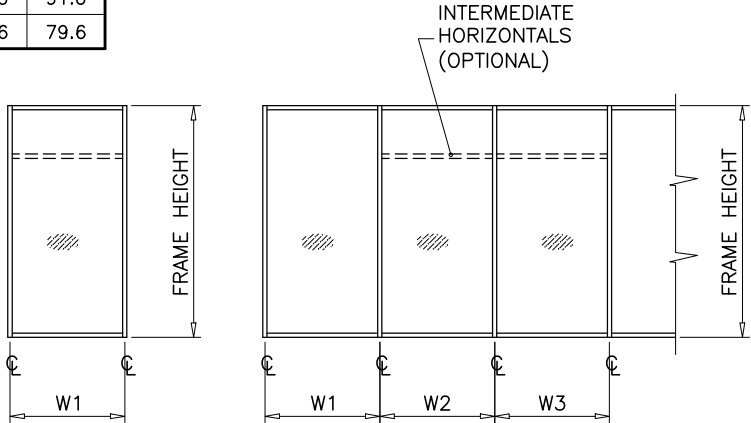
19-111D

sheet 2 of 11

COMP-ANL\19-111D-GG

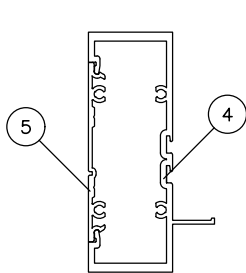
JAMB & MULLION LOAD CAPACITY – PSF											
JAMBS & MULLIONS WITH OR WITHOUT INTERMEDIATE HORIZONTALS											
NOMINAL DIMS.		JAMBS				MULLIONS					
		JAMB 'J1'		JAMB 'J2'		MULL 'M1'		MULL 'M2'		MULL 'M3'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
30"	90"	70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
36"		70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
42"		70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
48"		70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
54"		70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
60"		70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
66"		70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
30"	96"	70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
36"		70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
42"		70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
48"		70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
54"		70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
60"		70.0	70.0	80.0	100.0	69.3	69.3	70.0	70.0	80.0	100.0
66"		70.0	70.0	80.0	100.0	63.0	63.0	70.0	70.0	80.0	100.0
30"	102"	70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
36"		70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
42"		70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
48"		70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
54"		70.0	70.0	80.0	100.0	67.9	67.9	70.0	70.0	80.0	100.0
60"		70.0	70.0	80.0	100.0	61.1	61.1	70.0	70.0	80.0	100.0
66"		70.0	70.0	80.0	100.0	55.5	55.5	70.0	70.0	80.0	100.0
30"	108"	70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
36"		70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
42"		70.0	70.0	80.0	100.0	70.0	70.0	70.0	70.0	80.0	100.0
48"		70.0	70.0	80.0	100.0	67.7	67.7	70.0	70.0	80.0	100.0
54"		–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
60"		–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
30"	114"	–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
36"		–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
42"		–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
48"		–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
54"		–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
60"		–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
30"	120"	–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
36"		–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
42"		–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
48"		–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
54"		–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
30"	126"	–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
36"		–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
42"		–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
48"		–	–	80.0	100.0	–	–	69.3	69.3	80.0	100.0
54"		–	–	80.0	98.2	–	–	61.6	61.6	80.0	92.9
30"	132"	–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
36"		–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
42"		–	–	80.0	100.0	–	–	68.9	68.9	80.0	100.0
48"		–	–	80.0	96.1	–	–	60.3	60.3	80.0	95.3

JAMB & MULLION LOAD CAPACITY – PSF											
JAMBS & MULLIONS WITH OR WITHOUT INTERMEDIATE HORIZONTALS											
NOMINAL DIMS.		JAMBS				MULLIONS					
		JAMB 'J1'		JAMB 'J2'		MULL 'M1'		MULL 'M2'		MULL 'M3'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
30"	138"	–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
36"		–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
42"		–	–	80.0	96.1	–	–	60.3	60.3	80.0	99.6
48"		–	–	80.0	84.1	–	–	52.8	52.8	80.0	87.2
30"	144"	–	–	80.0	100.0	–	–	70.0	70.0	80.0	100.0
36"		–	–	80.0	98.7	–	–	61.9	61.9	80.0	100.0
42"		–	–	80.0	84.6	–	–	53.1	53.1	80.0	91.0
48"		–	–	74.0	74.0	–	–	46.5	46.5	79.6	79.6



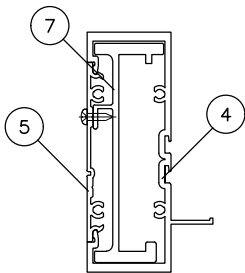
WIDTH (W) = W1
AT FRAME JAMB

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



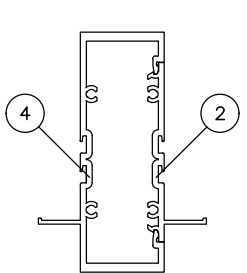
UNSECURED JAMB 'J1'

Ix	IN^4	Sx	IN^3
4.5315		1.7652	



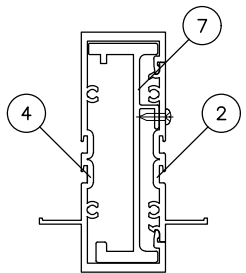
UNSECURED JAMB 'J2'

Ix	IN^4	Sx	IN^3
8.5446		3.4638	



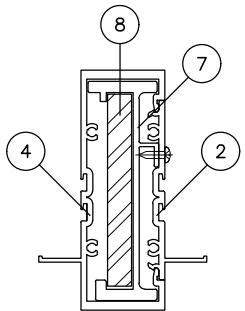
MULLION 'M1'

Ix	IN^4	Sx	IN^3
6.7164		2.5876	



MULLION 'M2'

Ix	IN^4	Sx	IN^3
10.7295		4.2862	



MULLION 'M3'

ALUMINUM	Ix	IN^4	Sx	IN^3
	10.7295		4.2862	
STEEL	2.6667		1.3334	
TOTAL				
Ix ALUM + Ix STL X 2.9	18.386			

PRODUCT APPROVED

As complying with the Florida
Building Code
NOA-No. 20-0630.03
Approval Date: 08/27/20

By: *Manuel Perez*
Miami-Dade Product Control



MULLION

Sealed:06/22/20

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

COMP-ANL\19-111D-GG

SERIES-1000 ALUM WINDOW WALL SYSTEM (L.M.I.)

Gopi Glass Sales & Services Corp.
7450 N.W. 41 STREET
MIAMI, FL. 33166
TEL. (305) 592-2089
FAX. (305) 477-0992

revisions:

no	date	by	description

date: 10-24-19

scale: –

dr. by: TARIQ

chk. by:

drawing no.

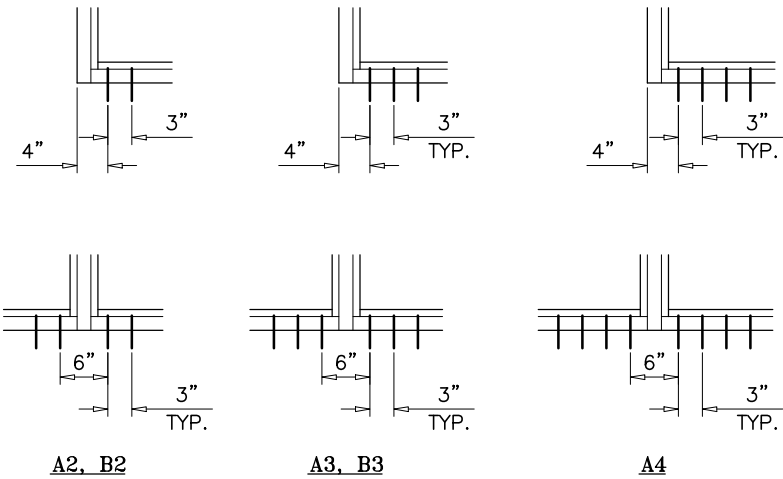
19-111D

sheet 3 of 11

ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS 'B'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3
30"	80"	100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0
42"		89.1	100.0	100.0	100.0	100.0
48"		78.0	100.0	100.0	100.0	100.0
54"		69.3	100.0	100.0	100.0	100.0
60"		62.4	93.6	100.0	95.5	100.0
66"		56.7	85.1	100.0	86.8	100.0
30"	84"	100.0	100.0	100.0	100.0	100.0
36"		99.0	100.0	100.0	100.0	100.0
42"		84.9	100.0	100.0	100.0	100.0
48"		74.3	100.0	100.0	100.0	100.0
54"		66.0	99.0	100.0	100.0	100.0
60"		59.4	89.1	100.0	91.0	100.0
66"		54.0	81.0	100.0	82.7	100.0
30"	90"	100.0	100.0	100.0	100.0	100.0
36"		92.4	100.0	100.0	100.0	100.0
42"		79.2	100.0	100.0	100.0	100.0
48"		69.3	100.0	100.0	100.0	100.0
54"		61.6	92.4	100.0	94.3	100.0
60"		55.5	83.2	100.0	84.9	100.0
66"		50.4	75.6	100.0	77.2	100.0
30"	96"	100.0	100.0	100.0	100.0	100.0
36"		86.7	100.0	100.0	100.0	100.0
42"		74.3	100.0	100.0	100.0	100.0
48"		65.0	97.5	100.0	99.5	100.0
54"		57.8	86.7	100.0	88.4	100.0
60"		52.0	78.0	100.0	79.6	100.0
66"		47.3	70.9	94.5	72.4	100.0
30"	102"	97.9	100.0	100.0	100.0	100.0
36"		81.6	100.0	100.0	100.0	100.0
42"		69.9	100.0	100.0	100.0	100.0
48"		61.2	91.8	100.0	93.6	100.0
54"		54.4	81.6	100.0	83.2	100.0
60"		48.9	73.4	97.9	74.9	100.0
66"		44.5	66.7	89.0	68.1	100.0
30"	108"	92.4	100.0	100.0	100.0	100.0
36"		77.0	100.0	100.0	100.0	100.0
42"		66.0	99.0	100.0	100.0	100.0
48"		57.8	86.7	100.0	88.4	100.0
54"		51.4	77.0	100.0	78.6	100.0
60"		46.2	69.3	92.4	70.8	100.0
30"	114"	87.6	100.0	100.0	100.0	100.0
36"		73.0	100.0	100.0	100.0	100.0
42"		62.6	93.8	100.0	95.8	100.0
48"		54.7	82.1	100.0	83.8	100.0
54"		48.7	73.0	97.3	74.5	100.0
60"		43.8	65.7	87.6	67.0	100.0
30"	120"	83.2	100.0	100.0	100.0	100.0
36"		69.3	100.0	100.0	100.0	100.0
42"		59.4	89.1	100.0	91.0	100.0
48"		52.0	78.0	100.0	79.6	100.0
54"		46.2	69.3	92.4	70.8	100.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS 'B'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3
30"	126"	79.2	100.0	100.0	100.0	100.0
36"		66.0	99.0	100.0	100.0	100.0
42"		56.6	84.9	100.0	86.6	100.0
48"		49.5	74.3	99.0	75.8	100.0
54"		44.0	66.0	88.0	67.4	100.0
30"	132"	75.6	100.0	100.0	100.0	100.0
36"		63.0	94.5	100.0	96.5	100.0
42"		54.0	81.0	100.0	82.7	100.0
48"	138"	47.3	70.9	94.5	72.4	100.0
30"		72.3	100.0	100.0	100.0	100.0
36"		60.3	90.4	100.0	92.3	100.0
42"	144"	51.7	77.5	100.0	79.1	100.0
48"		45.2	67.8	90.4	69.2	100.0
30"	144"	69.3	100.0	100.0	100.0	100.0
36"		57.8	86.7	100.0	88.4	100.0
42"		49.5	74.3	99.0	75.8	100.0
48"		43.3	65.0	86.7	66.3	99.5

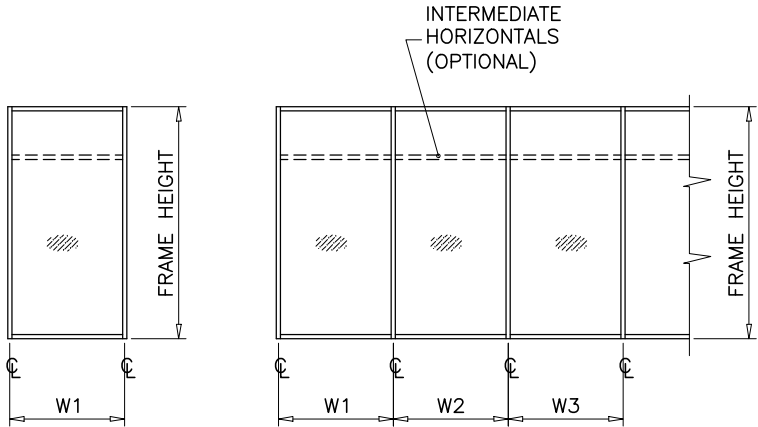


ANCHORS TYPES: SEE SHEET 7 FOR DESCRIPTION

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

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

A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION



WIDTH (W) = W1
AT FRAME JAMB

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

PRODUCT APPROVED
As complying with the Florida
Building Code
NOA-No. 20-0630.03
Approval Date: 08/27/20
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) 264-8100
COMP-ANL\19-111D-GG

SERIES-1000 ALUM WINDOW WALL SYSTEM (L.M.I.)
Gopi Glass Sales & Services Corp.
7450 N.W. 41 STREET
MIAMI, FL. 33166
TEL. (305) 592-2089
FAX. (305) 477-0992

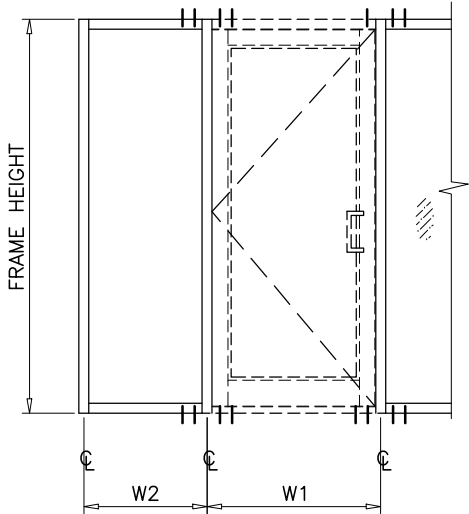
revisions:
no date by description
10-24-19
scale: -
dr. by: TARIQ
chk. by:
drawing no.
19-111D
sheet **4** of **11**

ANCHORS

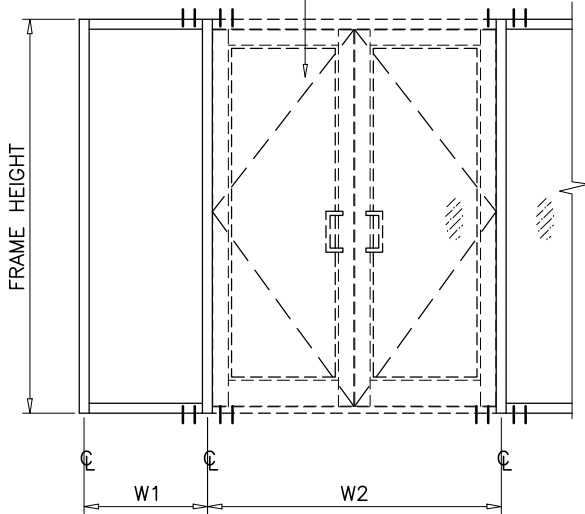
Sealed:06/22/20

DOOR MULLION LOAD CAPACITY					
NOMINAL DIMS.		MULLION 'DM1'		MULLION 'DM2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36"	96"	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	70.0
66"		70.0	70.0	70.0	70.0
36"	102"	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	70.0
36"	108"	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	70.0
30"	114"	70.0	70.0	70.0	70.0
36"		70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	70.0
36"	120"	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0
36"	126"	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0
36"	132"	-	-	70.0	70.0
42"		-	-	70.0	70.0
48"		-	-	70.0	70.0
36"	138"	-	-	70.0	70.0
42"		-	-	70.0	70.0
48"		-	-	70.0	70.0
36"	144"	-	-	70.0	70.0
42"		-	-	70.0	70.0
48"		-	-	70.0	70.0

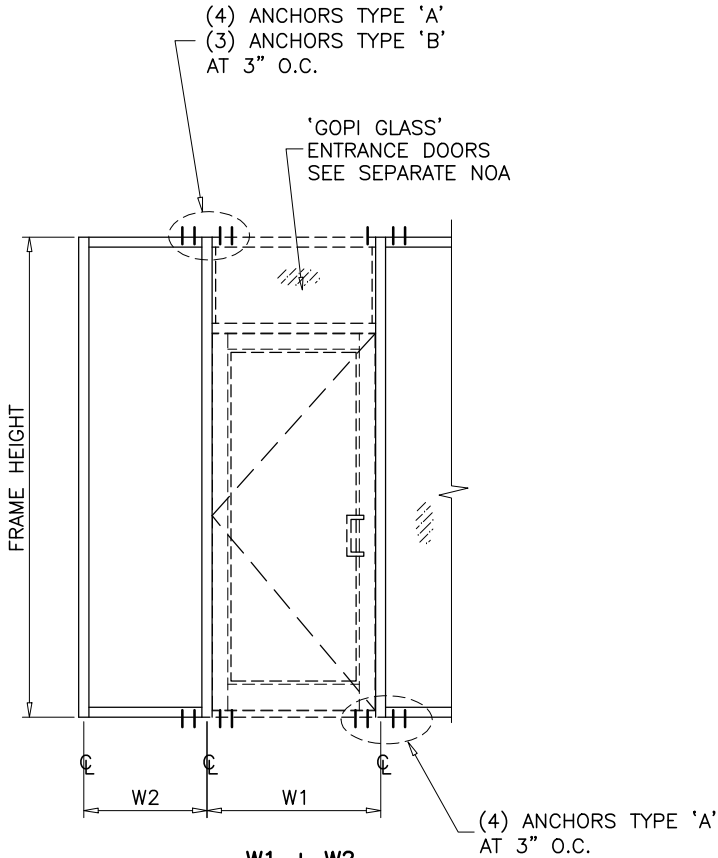
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



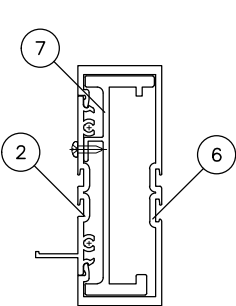
WIDTH (W) = $\frac{W1 + W2}{2}$



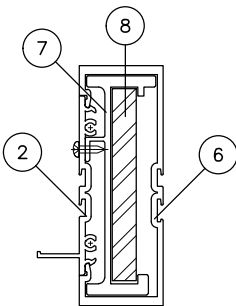
WIDTH (W) = $\frac{W1}{2} + \frac{W2}{4}$



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



DOOR MULLION 'DM1'



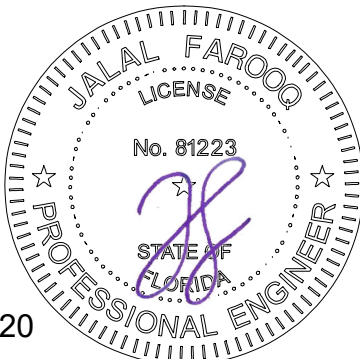
DOOR MULLION 'DM2'

Ix IN^4	Sx IN^3
10.7295	4.2862

ALUMINUM	Ix IN^4	Sx IN^3
STEEL	2.6667	1.3334
TOTAL		
Ix ALUM + Ix STL X 2.9	18.386	

PRODUCT APPROVED
As complying with the Florida
Building Code
NOA-No. 20-0630.03
Approval Date: 08/27/20

By: *Manuel Perez*
Miami-Dade Product Control



DOOR MULLION

Sealed:06/22/20

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

SERIES-1000 ALUM WINDOW WALL SYSTEM (L.M.I.)

Gopi Glass Sales & Services Corp.
7450 N.W. 41 STREET
MIAMI, FL. 33166
TEL. (305) 592-2089
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revisions:

no	date	by	description

date: 10-24-19

scale: -

dr. by: TARIQ

chk. by:

drawing no.

19-111D

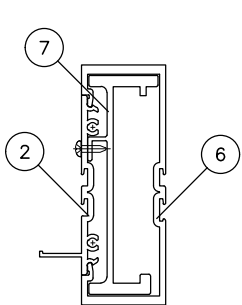
sheet 5 of 11

COMP-ANL\19-111D-GG

DOOR MULLION LOAD CAPACITY – PSF							
NOMINAL DIMS.				MULLION 'DM1'		MULLION 'DM2'	
WIDTH (W1) INCHES	WIDTH (W2) INCHES	FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
76	30	114	84	70.0	70.0	70.0	70.0
	36			70.0	70.0	70.0	70.0
	42			70.0	70.0	70.0	70.0
	48			70.0	70.0	70.0	70.0
	54			70.0	70.0	70.0	70.0
	60			70.0	70.0	70.0	70.0
	30	120		70.0	70.0	70.0	70.0
	36			70.0	70.0	70.0	70.0
	42			70.0	70.0	70.0	70.0
	48			70.0	70.0	70.0	70.0
	54			68.1	68.1	70.0	70.0
	30	126		70.0	70.0	70.0	70.0
	36			68.0	68.0	70.0	70.0
	42			64.1	64.1	70.0	70.0
	48			60.6	60.6	70.0	70.0
	54			57.5	57.5	70.0	70.0
	30	132		61.7	61.7	70.0	70.0
	36			58.0	58.0	70.0	70.0
	42			54.7	54.7	70.0	70.0
	48			51.8	51.8	70.0	70.0
	30	138		53.1	53.1	70.0	70.0
	36			50.0	50.0	70.0	70.0
	42			47.2	47.2	70.0	70.0
	48			44.7	44.7	68.5	68.5
	30	144		46.2	46.2	70.0	70.0
	36			43.5	43.5	69.3	69.3
	42			41.1	41.1	65.7	65.7
	48			38.9	38.9	62.5	62.5
76	30	114	90	70.0	70.0	70.0	70.0
	36			70.0	70.0	70.0	70.0
	42			70.0	70.0	70.0	70.0
	48			70.0	70.0	70.0	70.0
	54			70.0	70.0	70.0	70.0
	60			70.0	70.0	70.0	70.0
	30	120		70.0	70.0	70.0	70.0
	36			70.0	70.0	70.0	70.0
	42			70.0	70.0	70.0	70.0
	48			70.0	70.0	70.0	70.0
	54			70.0	70.0	70.0	70.0
	30	126		70.0	70.0	70.0	70.0
	36			70.0	70.0	70.0	70.0
	42			66.5	66.5	70.0	70.0
	48			62.8	62.8	70.0	70.0
	54			59.4	59.4	70.0	70.0
	30	132		63.8	63.8	70.0	70.0
	36			59.9	59.9	70.0	70.0
	42			56.4	56.4	70.0	70.0
	48			53.3	53.3	70.0	70.0
	30	138		54.6	54.6	70.0	70.0
	36			51.3	51.3	70.0	70.0
	42			48.3	48.3	70.0	70.0
	48			45.7	45.7	69.4	69.4
	30	144		47.2	47.2	70.0	70.0
	36			44.4	44.4	70.0	70.0
	42			41.9	41.9	66.5	66.5
	48			39.6	39.6	63.2	63.2

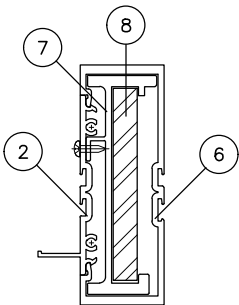
DOOR MULLION LOAD CAPACITY – PSF							
NOMINAL DIMS.				MULLION 'DM1'		MULLION 'DM2'	
WIDTH (W1) INCHES	WIDTH (W2) INCHES	FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
76	30	114	96	70.0	70.0	70.0	70.0
	36			70.0	70.0	70.0	70.0
	42			70.0	70.0	70.0	70.0
	48			70.0	70.0	70.0	70.0
	54			70.0	70.0	70.0	70.0
	60			70.0	70.0	70.0	70.0
	30	120		70.0	70.0	70.0	70.0
	36			70.0	70.0	70.0	70.0
	42			70.0	70.0	70.0	70.0
	48			70.0	70.0	70.0	70.0
	54			70.0	70.0	70.0	70.0
					70.0	70.0	70.0
	30	126		70.0	70.0	70.0	70.0
	36			70.0	70.0	70.0	70.0
	42			69.5	69.5	70.0	70.0
	48			65.4	65.4	70.0	70.0
	54			61.8	61.8	70.0	70.0
					66.6	66.6	70.0
	30	132		62.3	62.3	70.0	70.0
	36			58.5	58.5	70.0	70.0
	42			55.2	55.2	70.0	70.0
	48						
	30	138		56.5	56.5	70.0	70.0
	36			53.0	53.0	70.0	70.0
	42			49.9	49.9	70.0	70.0
	48			47.1	47.1	70.0	70.0
	30	144		48.5	48.5	70.0	70.0
	36			45.6	45.6	70.0	70.0
42	43.0		43.0	67.5	67.5		
48	40.6		40.6	64.2	64.2		

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



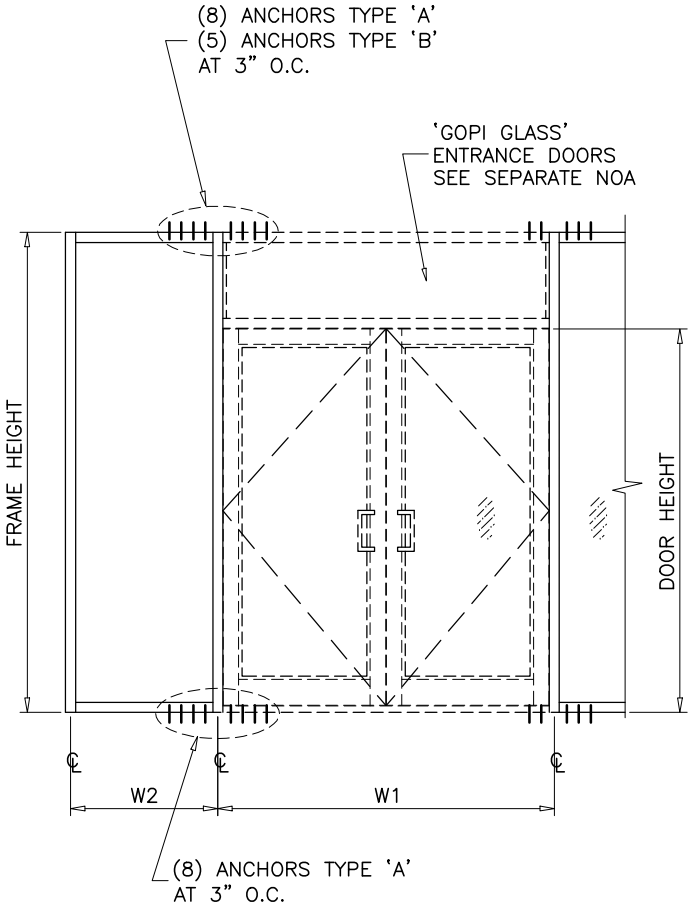
DOOR MULLION 'DM1'

Ix IN^4	Sx IN^3
10.7295	4.2862

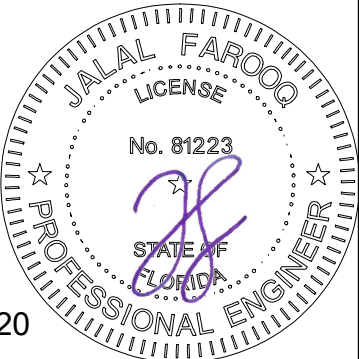


DOOR MULLION 'DM2'

	Ix IN^4	Sx IN^3
ALUMINUM	10.7295	4.2862
STEEL	2.6667	1.3334
TOTAL Ix ALUM + Ix STL X 2.9	18.386	



PRODUCT APPROVED
As complying with the Florida
Building Code
NOA-No. 20-0630.03
Approval Date: 08/27/20
By: *Manuel Perez*
Miami-Dade Product Control



DOOR MULLION

Sealed:06/22/20

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 262-6978 FAX. (305) 262-6978
(C.A.N. 3538)
COMP-ANL\19-111D-GG

SERIES-1000 ALUM WINDOW WALL SYSTEM (L.M.I.)

Gopi Glass Sales & Services Corp.
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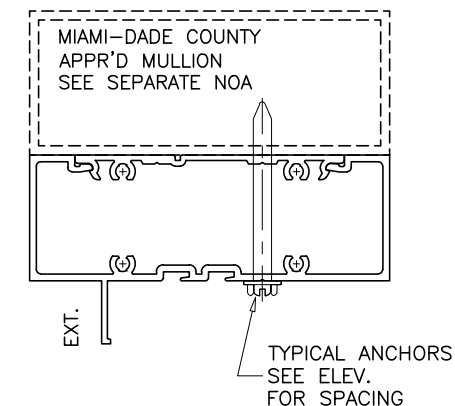
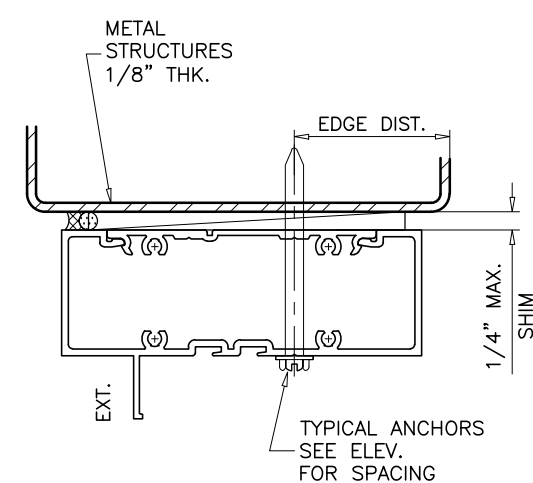
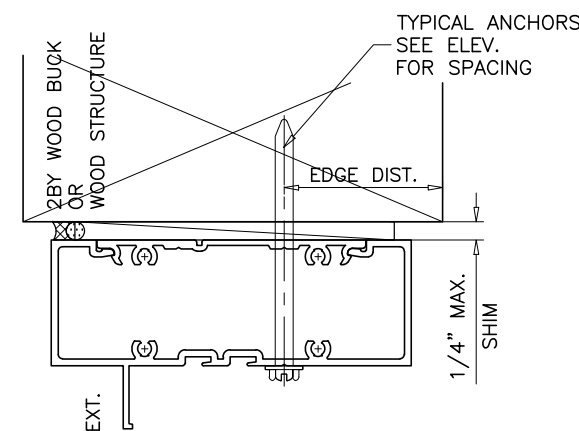
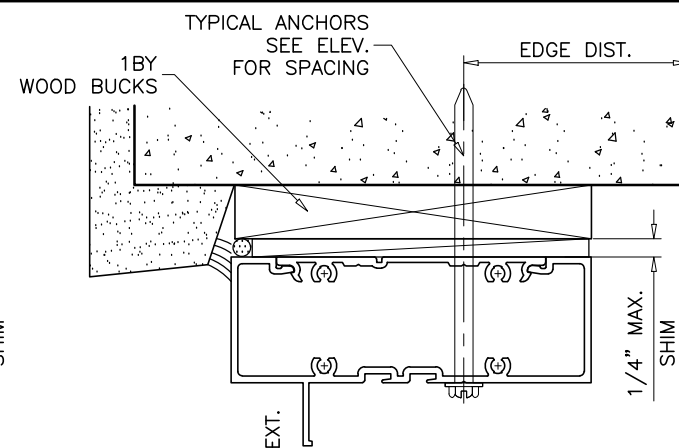
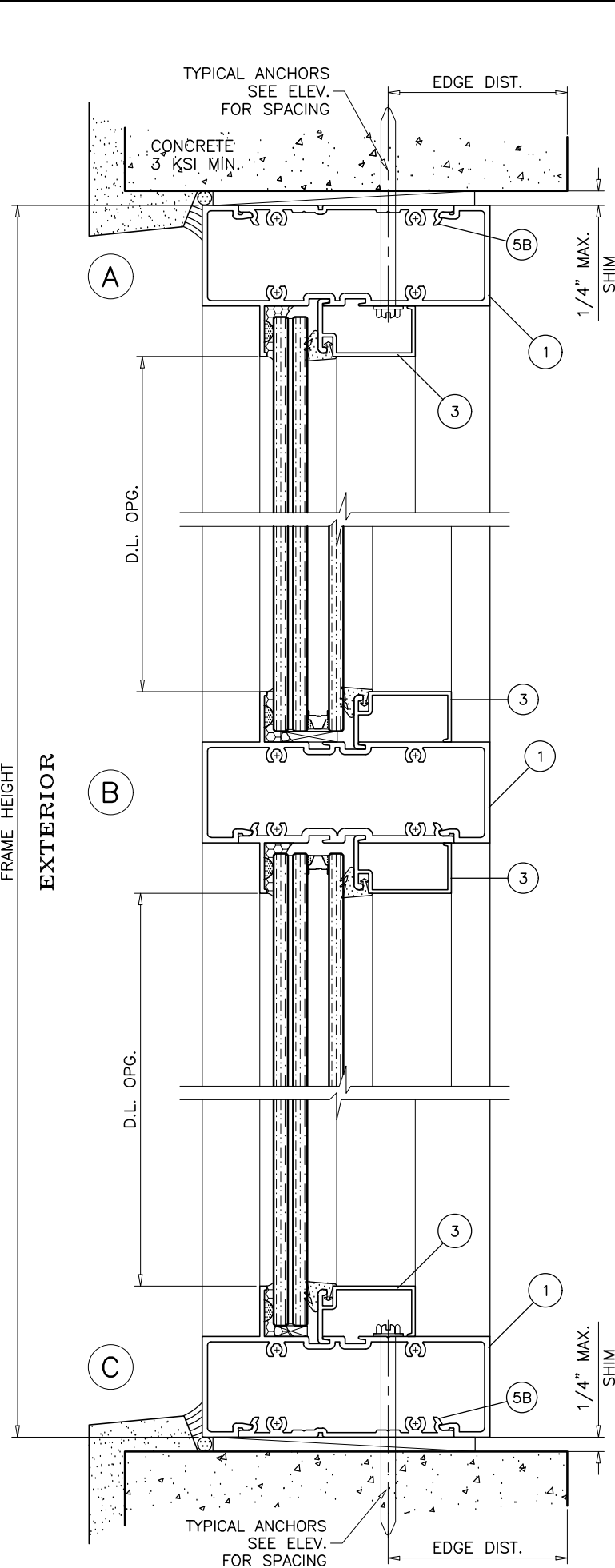
revisions:

no	date	by	description

date: 10-24-19
scale: -
dr. by: TARIQ
chk. by:

drawing no.
19-111D
sheet 6 of 11

FRAME HEIGHT
EXTERIOR



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

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

ANCHOR TYPE 'B'— 1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
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)

TYPICAL EDGE DISTANCE

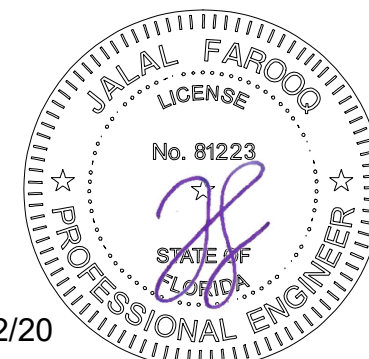
INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

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

PRODUCT APPROVED
As complying with the Florida
Building Code

NOA-No. 20-0630.03
Approval Date: 08/27/20

By: *Manuel Perez*
Miami-Dade Product Control



Sealed:06/22/20

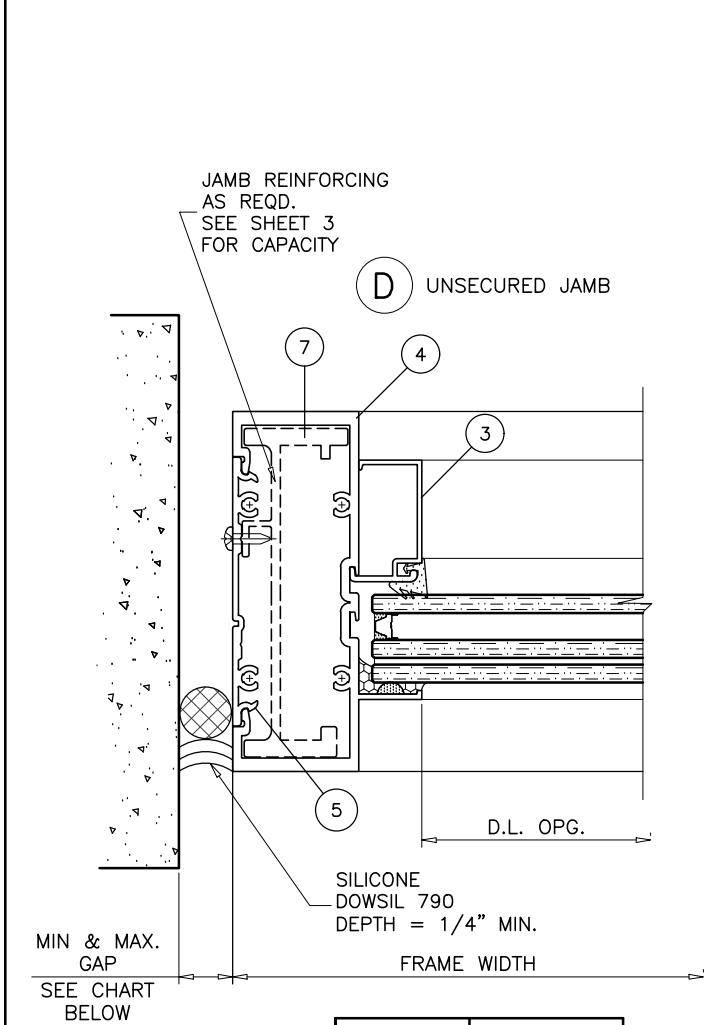
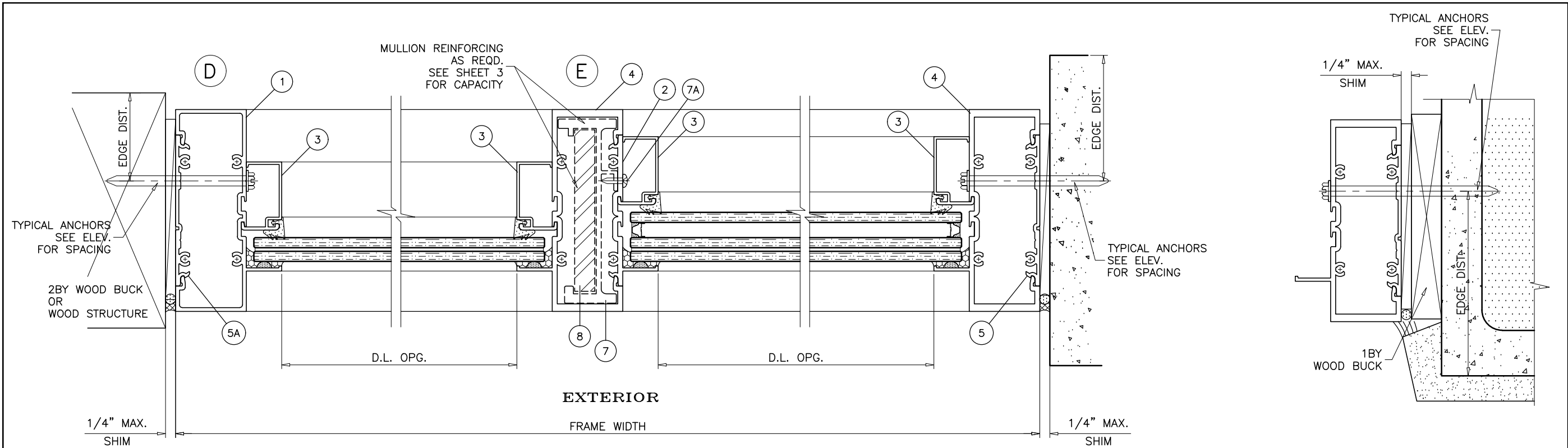
af c
AL-FAROOQ CORPORATION
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revisions:		no	date	by	description

date: 10-24-19
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
19-111D
sheet 7 of 11

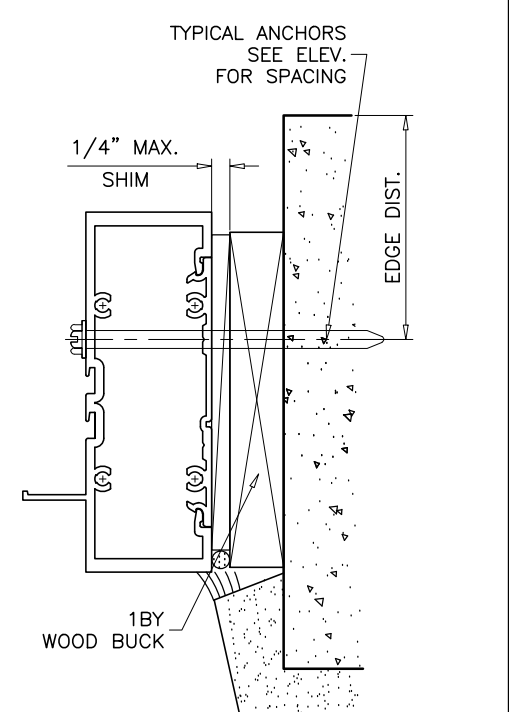
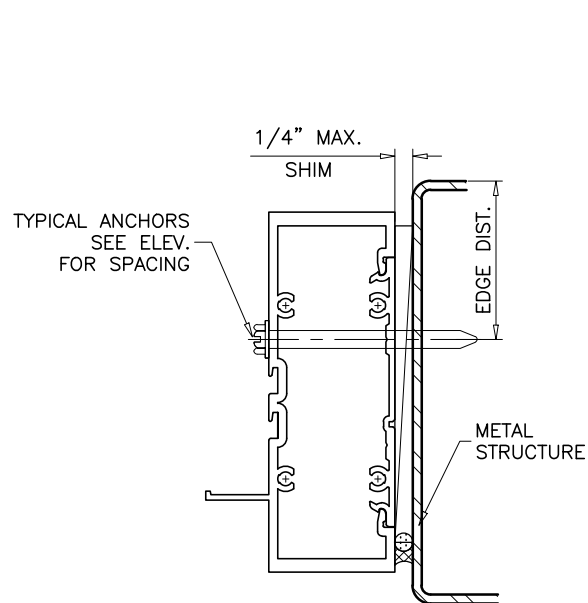
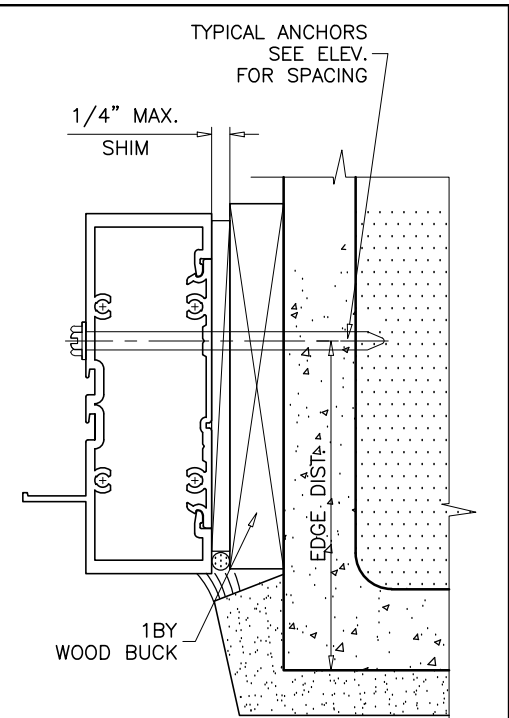


MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
114"	3/8"	3/4"
144"	1/2"	3/4"

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.

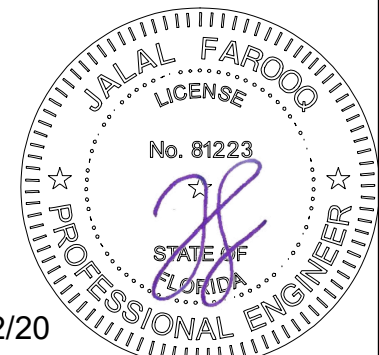
ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.

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.



PRODUCT APPROVED
 As complying with the Florida
 Building Code
 NOA-No. 20-0630.03
 Approval Date: 08/27/20

By: *Manuel Perez*
 Miami-Dade Product Control



Sealed:06/22/20

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

COMP-ANL\19-111D-GG

SERIES-1000 ALUM WINDOW WALL SYSTEM (L.M.I.)

Gopi Glass Sales & Services Corp.
 7450 N.W. 41 STREET
 MIAMI, FL. 33166
 TEL. (305) 592-2089 FAX. (305) 477-0992

19-111D

revisions:		no	date	by	description
10-24-19	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:		

drawing no.

19-111D

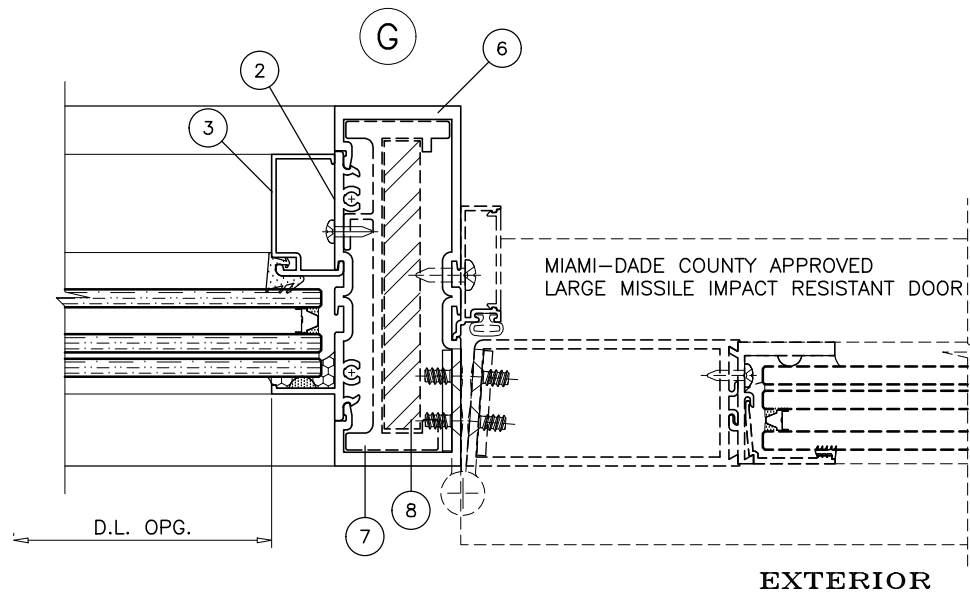
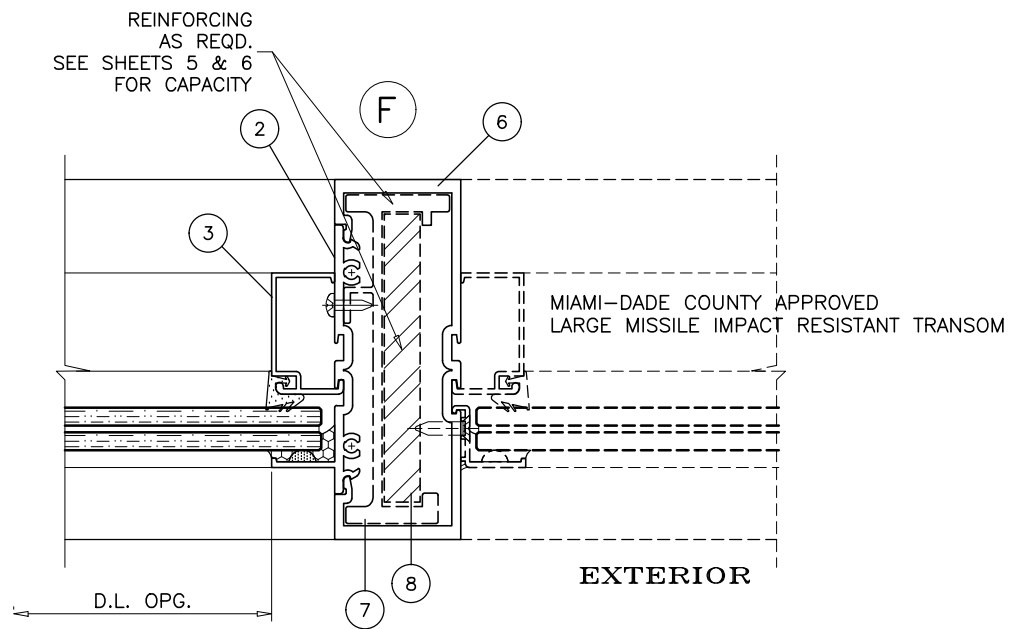
sheet 8 of 11

date: 10-24-19

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

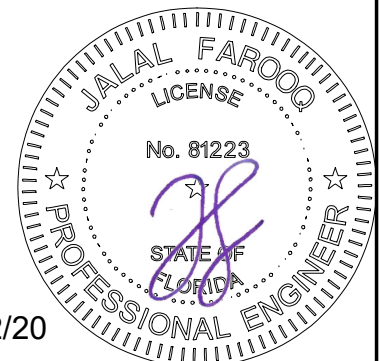


SEE SEPARATE NOA FOR DESIGN LOAD
CAPACITY OF DOORS AND DOOR ANCHORS.

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

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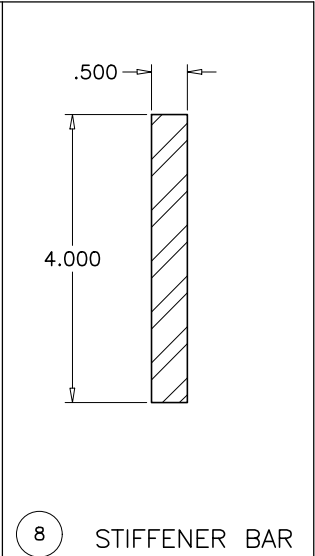
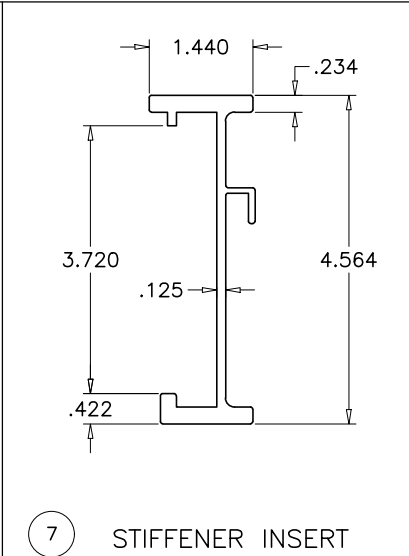
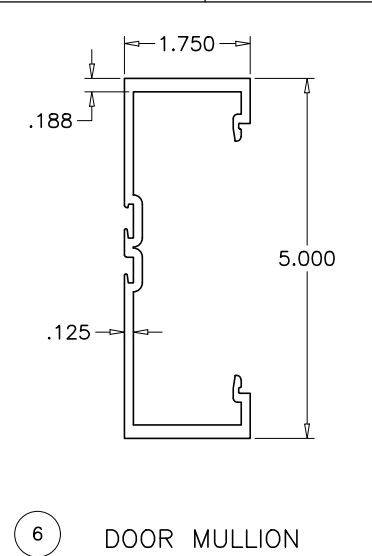
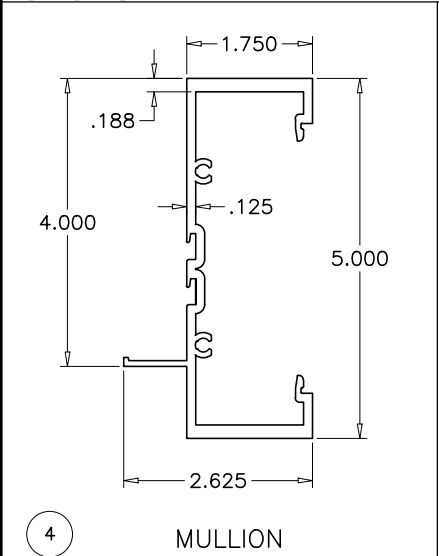
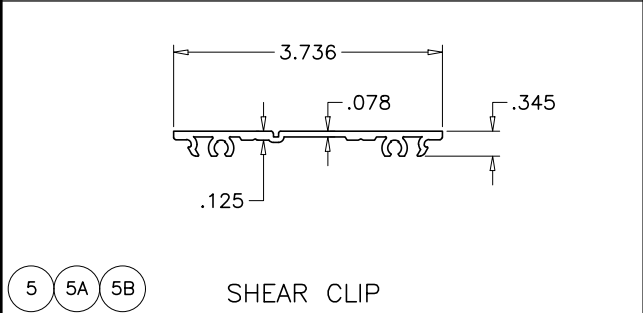
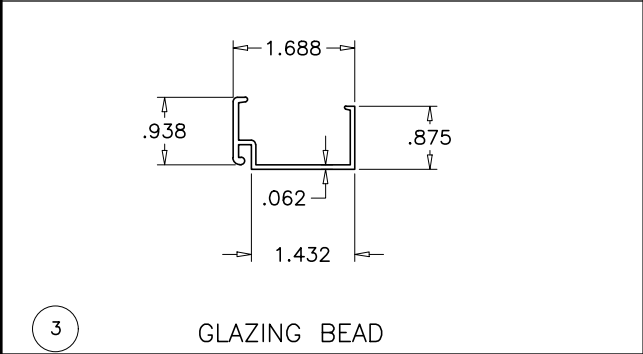
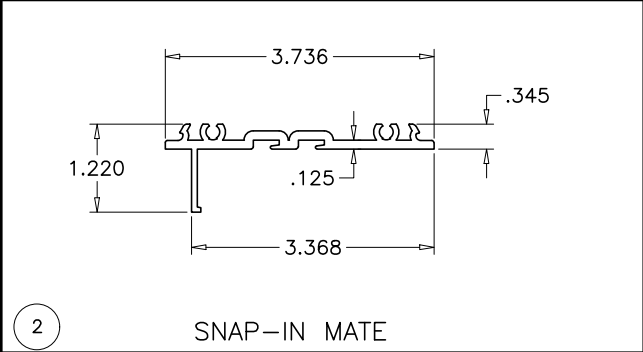
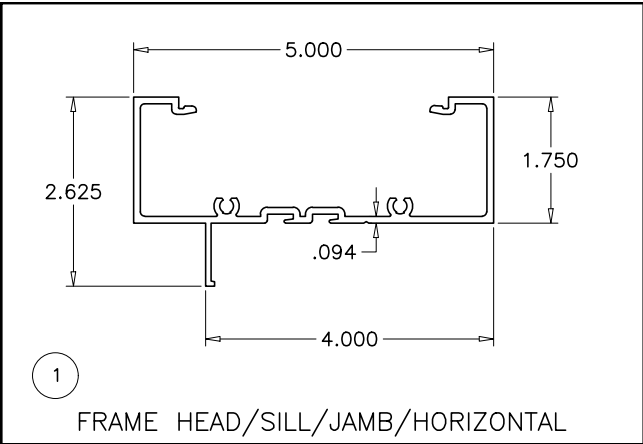
COMP-ANL\19-111D-GG

SERIES-1000 ALUM WINDOW WALL SYSTEM (L.M.I.)

Gopi Glass Sales & Services Corp.
7450 N.W. 41 STREET
MIAMI, FL. 33166
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19-111D

sheet 9 of 11



ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	G1003	AS REQD.	FRAME HEAD/SILL/JAMB/HORIZONTAL	6063-T6	-
2	G1002	AS REQD.	SNAP-IN MATE	6063-T6	-
3	G1007	AS REQD.	GLAZING BEAD	6063-T6	-
4	G1001	AS REQD.	MULLION	6063-T6	-
5	G1004	AS REQD.	SHEAR CLIP, FULL LENGTH	6063-T6	-
5A	G1004	AS REQD.	SHEAR CLIP, 4" LONG AT ANCHOR LOCATIONS	6063-T6	-
5B	G1004	AS REQD.	SHEAR CLIP, LENGTH VARIES TO COVER ANCHOR SPACINGS	6063-T6	-
6	G1006	AS REQD.	DOOR MULLION	6063-T6	-
7	G1005	AS REQD.	STIFFENER INSERT	6063-T6	-
7A	1/4-20 X 1"	AS REQD.	STIFFENER FASTENERS, AT 24" O.C.	ST. STEEL	FH SMS
8	-	AS REQD.	STIFFENER BAR	GALV. STEEL	-
9	G1008	AS REQD.	GLAZING GASKET	EPDM	DUROMETER 55±5 SHORE A
10	#12 X 1-1/4"	4/ CORNER	FRAME ASSEMBLY FASTENERS	ST. STEEL	PH SMS
11	-	2/ LITE	SETTING BLOCKS AT 1/4 POINTS (3/16" X 1/2" X 2" LONG)	EPDM	DUROMETER 80±5 SHORE A
12	-	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE
13	-	-	-	-	-

SEALANTS:

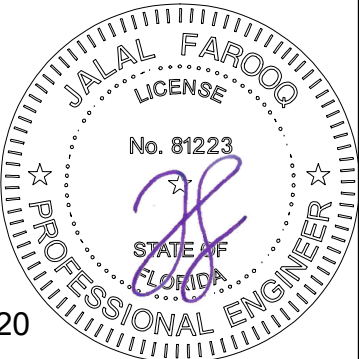
ALL FRAME JOINTS AND SEAMS SEALED WITH SCHNEE-MOREHEAD SM5504 ACRYL-R SEAM SEALER.

PRODUCT APPROVED

As complying with the Florida Building Code

NOA-No. 20-0630.03
Approval Date: 08/27/20

By: *Manuel Perez*
Miami-Dade Product Control



Sealed:06/22/20

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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-1000 ALUM WINDOW WALL SYSTEM (L.M.I.)

Gopi Glass Sales & Services Corp.

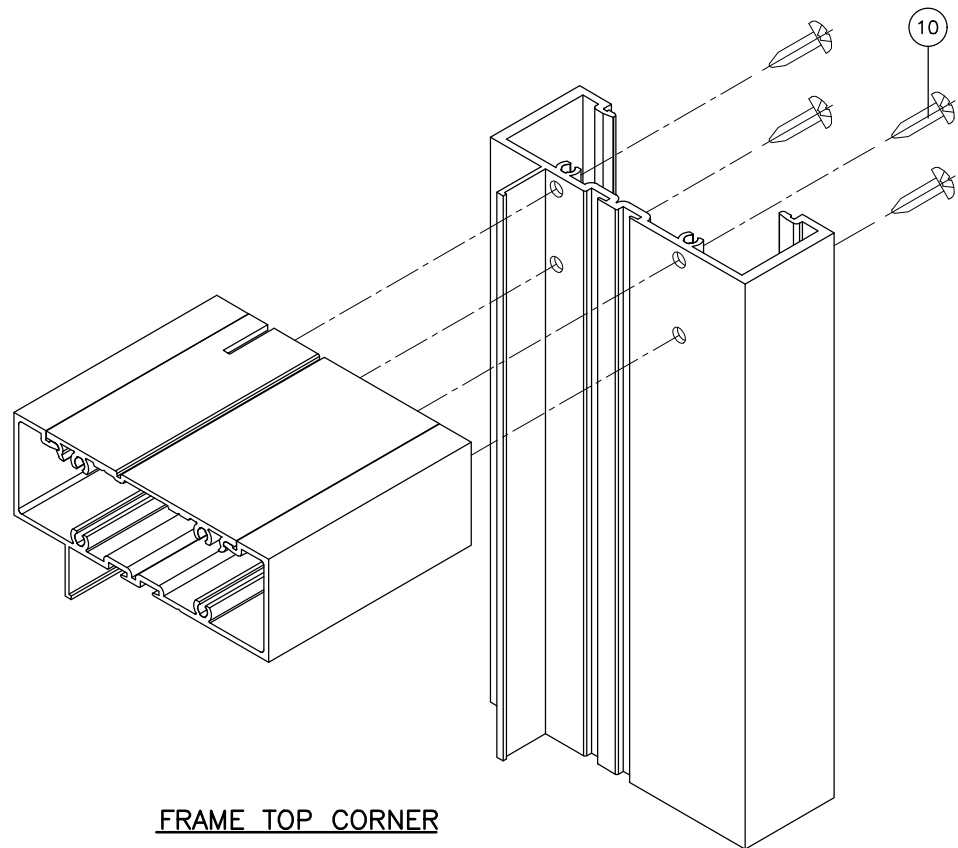
7450 N.W. 41 STREET
MIAMI, FL. 33166
TEL. (305) 592-2089 FAX. (305) 477-0992

revisions:		by description	
no	date		

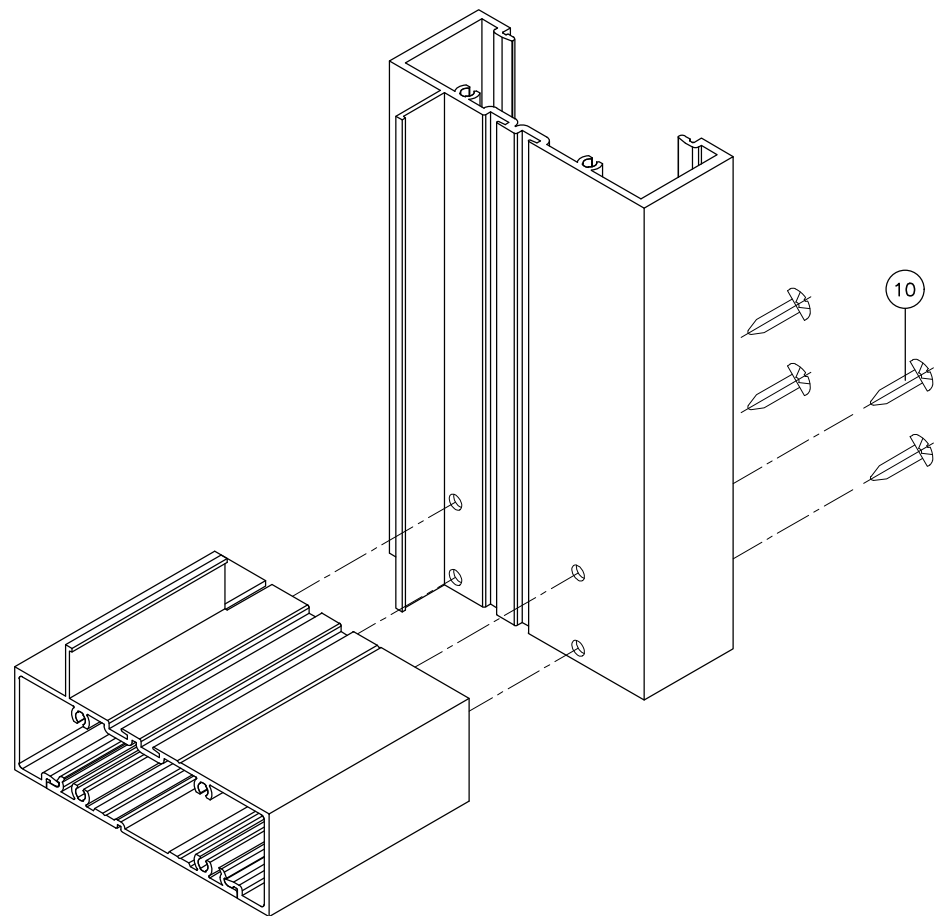
date: 10-24-19	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
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drawing no.	19-111D
sheet	10 of 11

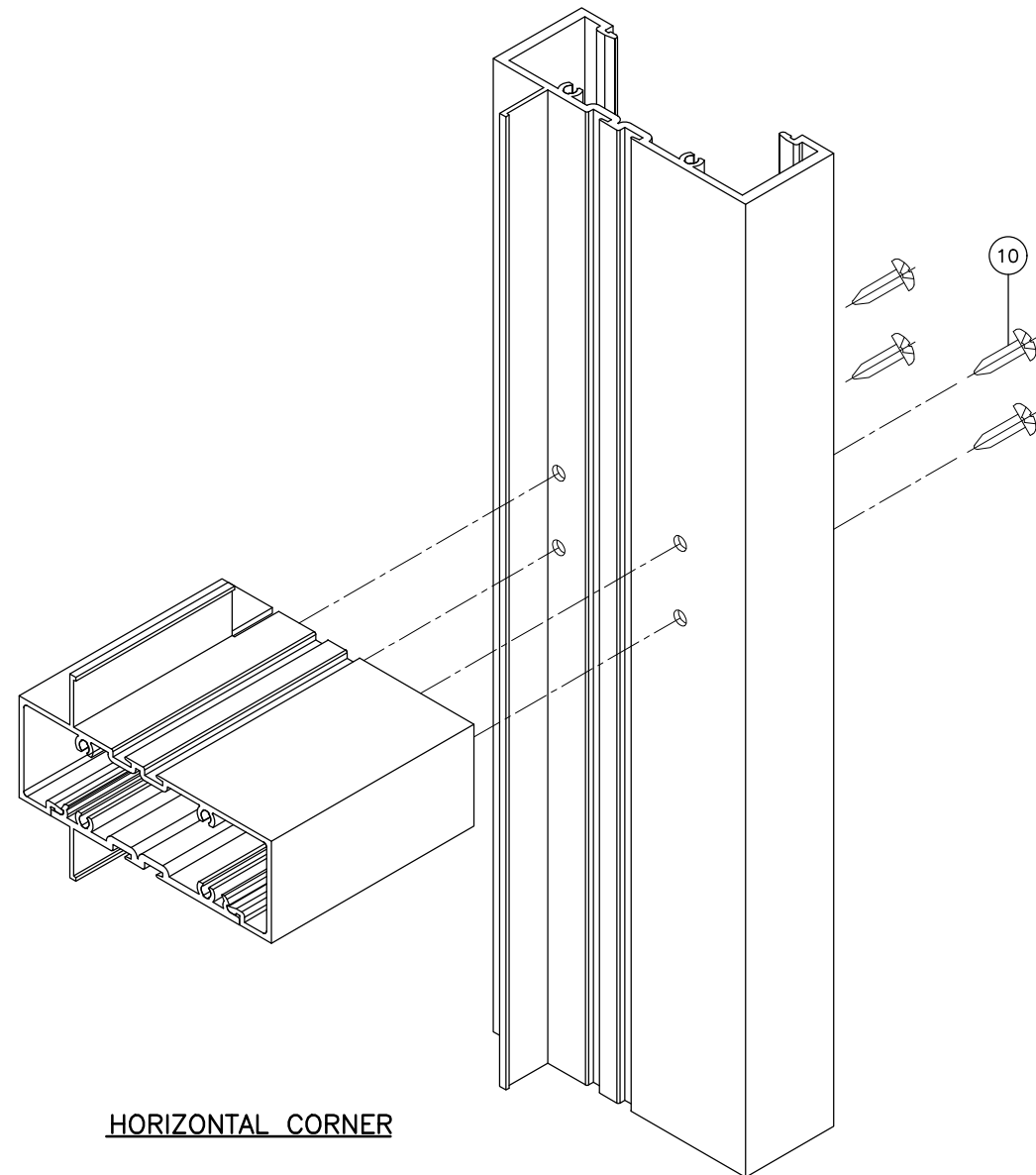
COMP-ANL\19-111D-GG



FRAME TOP CORNER

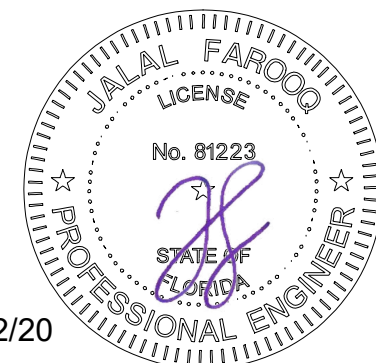


FRAME BOTTOM CORNER



HORIZONTAL CORNER

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 Miami-Dade Product Control



Sealed:06/22/20

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SERIES-1000 ALUM WINDOW WALL SYSTEM (L.M.I.)

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