

AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

PRODUCT APPROVAL EVALUATION RULE CHAPTER #61G20-3 • METHOD 1 OPTION D

FL 20352

Date: 01/08/2018

Detailed Product Description:

Manufacturer: MR. GLASS DOORS AND WINDOWS INC.

Manufacturer Address: 8120 NW 84TH STREET, MEDLEY, FL 33166

Model Name: SERIES MG-200 ALUMINUM SINGLE HUNG WINDOW

Maximum Width: 53-1/8"

Maximum Frame Height: 84"

Maximum Load: +80 PSF, -140 PSF (Small Missile Impact)

Installation Drawings # W16-21

This product complies with the High Velocity Hurricane Zone (HVHZ) testing requirements.

The above maximum parameters do not occur simultaneously.

See installation drawings for combination of span vs loads.

Comparative analysis used X Yes No

Mandatory Tests (Tested in accordance with AAMA 101/I.S.2/NAFS/TAS-202)

TEST	DESCRIPTION	TEST LOCATION	TEST REPORT DATE	TEST REPORT #	Test Sealed by
ASTM E283	Air Infiltration Leakage	Fenestration Testing Laboratory, Inc.	03/11/2016	FTL-8827	Idalmis Ortega, P.E.
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Fenestration Testing Laboratory, Inc.	03/11/2016	FTL-8827	Idalmis Ortega, P.E.
ASTM E330 & TAS 202	Uniform Static Air Press.	Fenestration Testing Laboratory, Inc.	03/11/2016	FTL-8827	Idalmis Ortega, P.E.
ASTM F 588	Forced Entry	Fenestration Testing Laboratory, Inc.	03/11/2016	FTL-8827	Idalmis Ortega, P.E.

Supplemental Tests (Tested in accordance with TAS-201 and TAS-203)

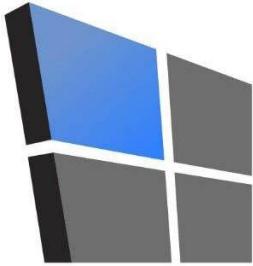
TEST	DESCRIPTION	TEST LOCATION	TEST REPORT DATE	TEST REPORT #	Test Sealed by
FBC 1626.2 (TAS 201 & 203)	Large Missile Impact & Cyclic	Fenestration Testing Laboratory, Inc.	03/11/2016	FTL-8827	Idalmis Ortega, P.E.

Under the limitations of the attached installation drawings, to the best of my knowledge and ability, the above product conforms to the requirements of the 2017 Florida Building Code.

Evaluation Report Engineer:	
Javad Ahmad Al-Farooq Corporation	PE # 70592 EB # 3538



Sealed: 1/12/2018



AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

January 12, 2018

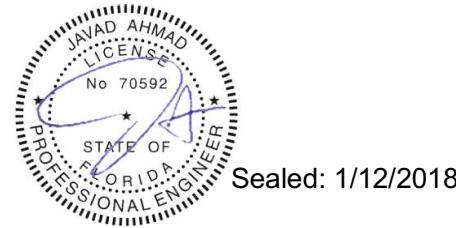
Product Approval Administrator
Building Codes & Standards Section
Department of Business & Professional Regulations
1940 North Monroe Street, Suite 90
Tallahassee, FL 32399-2100

Ref: Mr. Glass Doors & Windows, Inc.
Series MG-200 Aluminum Single Hung Window (L.M.I. and S.M.I.)
Certificate of Independence

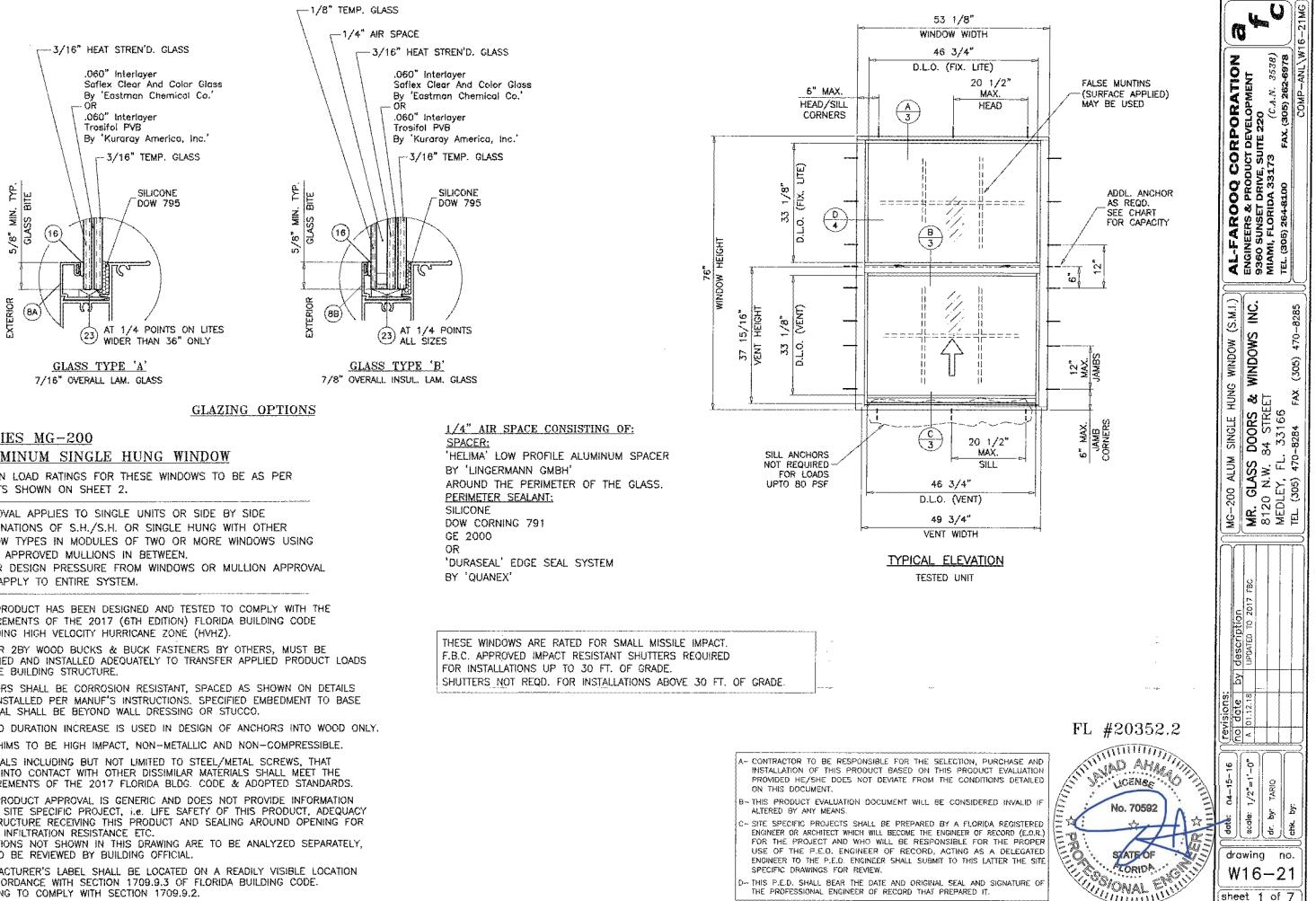
Dear Sirs,

As the design engineer retained by Mr. Glass Doors & Windows, Inc. on the product referenced above, I do hereby declare that I do not have and will not have any financial interest in any company manufacturing or distributing the above referenced product, nor do I have or will have any financial interest with any other entity involved in the approval process of the product.

Sincerely,



Javad Ahmad, P.E.
Chief Engineer



EQUAL LITES WINDOWS				UNEQUAL LITES WINDOWS			
DESIGN LOAD CAPACITY - PSF				DESIGN LOAD CAPACITY - PSF			
FLANGE DIMS.		GLASS TYPES 'A' & 'B'		FLANGE DIMS.		GLASS TYPES 'A' & 'B'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	WIDTH	HEIGHT	EXT.(+)	INT.(-)
19-1/8"		80.0	140.0	19-1/8"		80.0	140.0
26-1/2"		80.0	140.0	26-1/2"		80.0	140.0
30"	(4)	80.0	140.0	30"		80.0	140.0
37"		80.0	140.0	32"		80.0	140.0
48"		80.0	140.0	36"	(6)	80.0	140.0
53-1/8"		80.0	140.0	37"		80.0	140.0
19-1/8"		80.0	140.0	46"		80.0	140.0
26-1/2"		80.0	140.0	48"		80.0	140.0
30"	(4)	80.0	140.0	53-1/8"		80.0	140.0
37"		80.0	140.0	19-1/8"		80.0	140.0
48"		80.0	140.0	26-1/2"		80.0	140.0
53-1/8"		80.0	140.0	30"		80.0	140.0
19-1/8"		80.0	140.0	32"		80.0	140.0
26-1/2"		80.0	140.0	36"		80.0	140.0
30"	(6)	80.0	140.0	37"		80.0	140.0
37"		80.0	140.0	46"		80.0	140.0
48"		80.0	140.0	19-1/8"		80.0	140.0
53-1/8"		80.0	140.0	26-1/2"		80.0	140.0
19-1/8"		80.0	140.0	30"	(8)	80.0	140.0
26-1/2"		80.0	140.0	32"		80.0	140.0
30"	(6)	80.0	140.0	36"		80.0	140.0
37"		80.0	140.0	37"		80.0	140.0
48"		80.0	140.0	19-1/8"		80.0	140.0
53-1/8"		80.0	140.0	26-1/2"		80.0	140.0
19-1/8"		80.0	140.0	30"	(8)	80.0	140.0
26-1/2"		80.0	140.0	32"		80.0	140.0
30"	(8)	80.0	140.0	36"		80.0	140.0
37"		80.0	140.0	37"		80.0	140.0
48"		80.0	140.0	19-1/8"		80.0	140.0
53-1/8"		80.0	129.6	26-1/2"		80.0	140.0
19-1/8"		80.0	140.0	30"	(8)	80.0	140.0
26-1/2"		80.0	140.0	32"		80.0	140.0
30"	(8)	80.0	140.0	36"		80.0	140.0
37"		80.0	140.0	37"		80.0	140.0
48"		80.0	140.0	19-1/8"		80.0	140.0
53-1/8"		80.0	128.5	26-1/2"		80.0	140.0
19-1/8"		80.0	140.0	30"	(8)	80.0	140.0
26-1/2"		80.0	140.0	32"		80.0	140.0
30"	(8)	80.0	140.0	36"		80.0	140.0
37"		80.0	140.0	37"		80.0	140.0
48"		80.0	140.0	19-1/8"		80.0	140.0
53-1/8"		80.0	124.7	26-1/2"		80.0	140.0
53-1/8" 74-1/4"	80.0	140.0	30"	(8)	80.0	140.0	
53-1/8" 76"	80.0	140.0	32"		80.0	140.0	
53-1/8" 84"	80.0	140.0	36"		80.0	140.0	
19-1/8" 74-1/4"	80.0	140.0	37"		80.0	140.0	
19-1/8" 76"	80.0	140.0	37"		80.0	140.0	
19-1/8" 84"	80.0	140.0	19-1/8" 74-1/4"	80.0	140.0		
19-1/8" 74-1/4"	80.0	140.0	26-1/2" 76"	80.0	140.0		
19-1/8" 76"	80.0	140.0	30" 84"	80.0	140.0		
19-1/8" 84"	80.0	140.0	32" 84"	80.0	140.0		

NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.

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

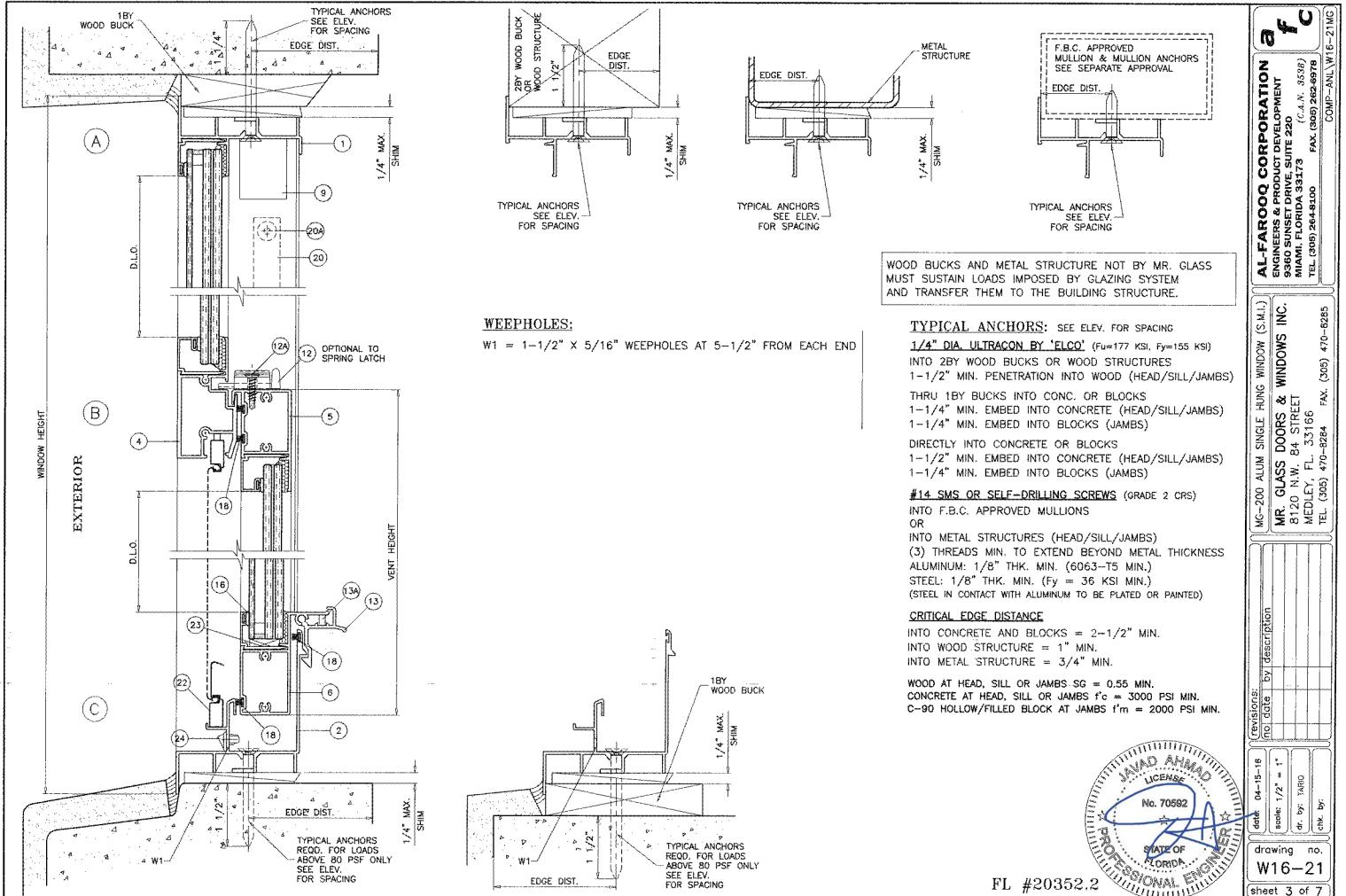
FL #20352.2

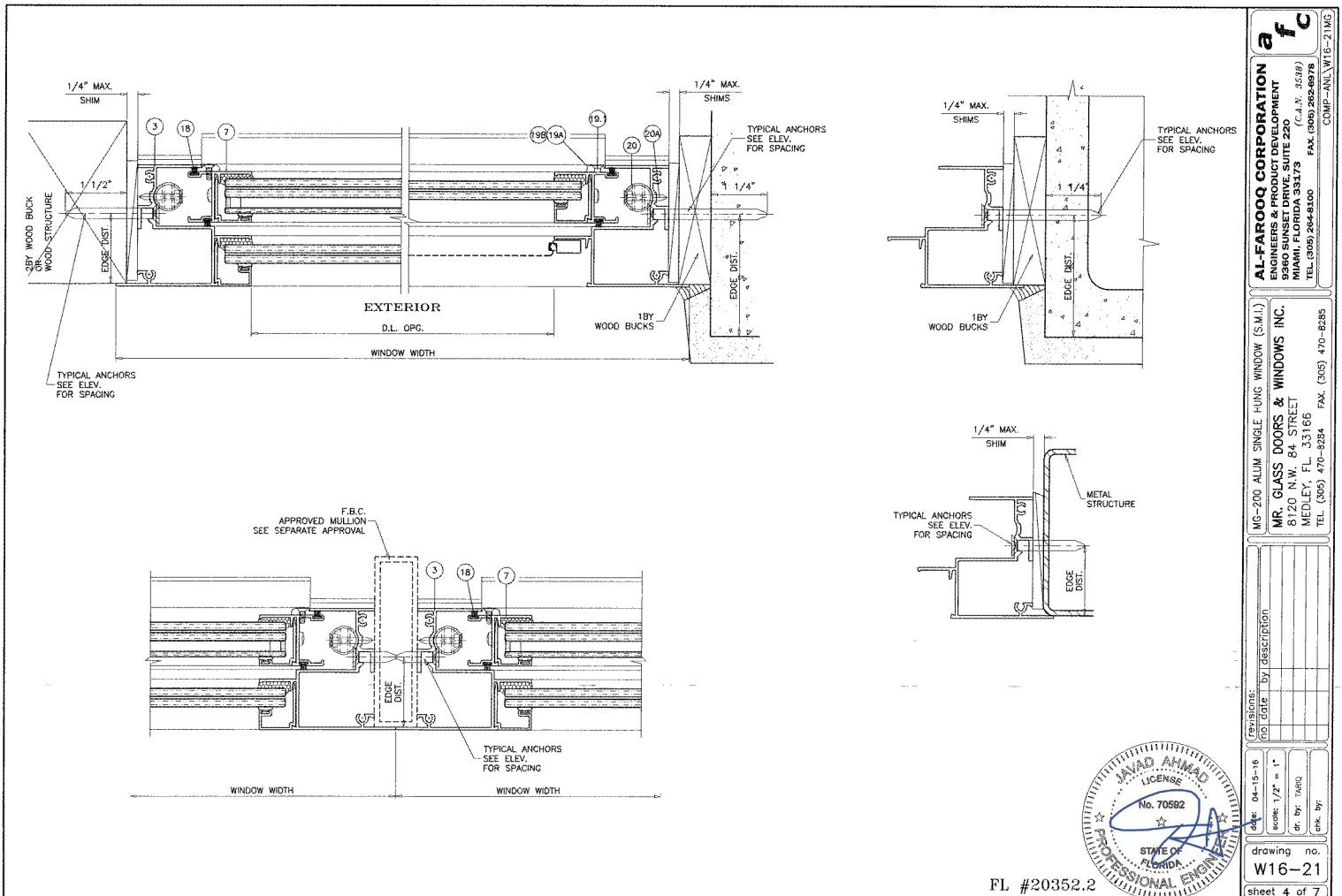
Sealed: 1/12/2018

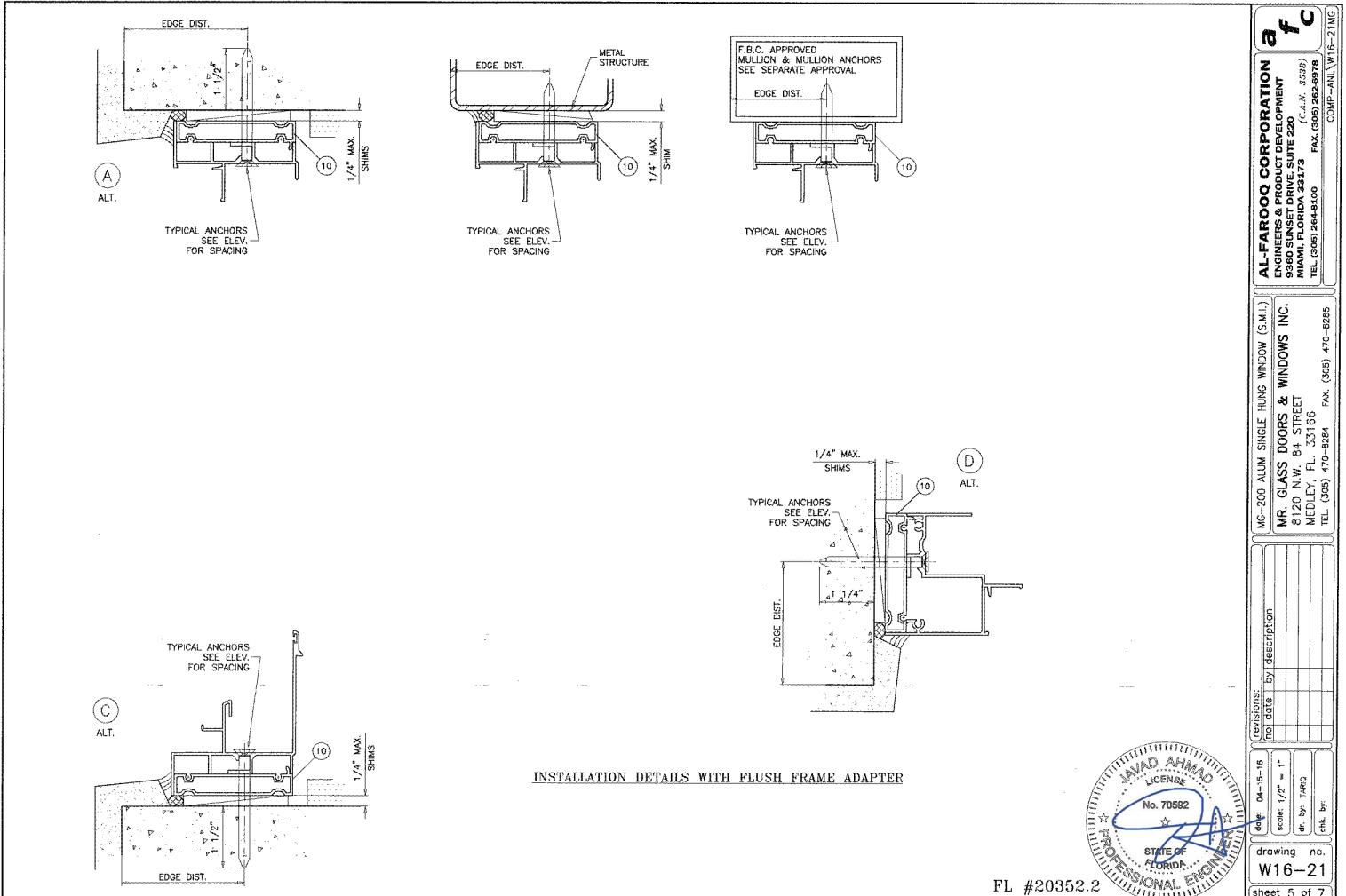
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
(C.A.N. 3536)
MIAMI, FLORIDA 33173
TEL (305) 264-8400 FAX (305) 470-8285

MR. CLASS DOORS & WINDOWS INC.
8120 N.W. 84 STREET
MEDLEY, FL. 33166
TEL (305) 470-8284 FAX (305) 470-8285

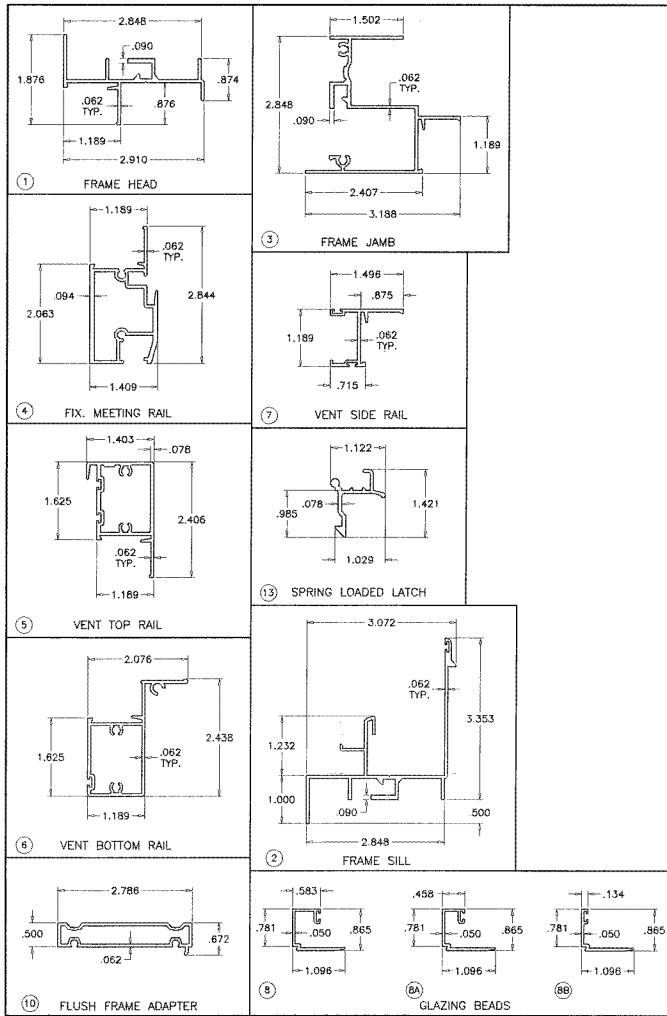
JAVAD AHMAD
LICENSE No. 70592
PROFESSIONAL ENGINEER
STATE OF FLORIDA
drawing no. W16-21
sheet 2 of 7







FL #20352.2



ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	MG201	1	FRAME HEAD	6063-T6	-
2	MG202	1	FRAME SILL	6063-T6	-
3	MG203	2	FRAME JAMB	6063-T6	-
4	MG204	1	FIXED MTG. RAIL	6063-T6	-
5	MG205	1	VENT TOP RAIL	6063-T6	-
6	MG206	1	VENT BOTTOM RAIL	6063-T6	-
7	MG207	2	VENT SIDE RAIL	6063-T6	-
8A	MG209	AS REQD.	GLAZING BEAD (7/16" GLASS)	6063-T6	-
8B	MG210	AS REQD.	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	-
9	-	2/VENT	SASH STOP	6063-T6	-
10	MG212	AS REQD.	FLUSH FRAME ADAPTER	6063-T6	-
11	-	-	-	-	-
12	SL203P	2/ VENT	SWEEP LATCH	ZAMAK	SULLIVAN & ASSOC.
12A	#8 X 5/8"	2/ LATCH	LATCH INST. SCREWS	ST, STEEL	OH SMS
13	MG211	2/ VENT	SPRING LOADED LATCH	6063-T6	ALTERNATE TO SWEEP LATCH
13A	-	2/ LATCH	LATCH SPRING	ST, STEEL	-
14	#10 X 1"	AS REQD.	FRAME & VENT ASSEMBLY SCREWS	CRS	PH SMS
16	EZ02	AS REQD.	GLAZING BEAD BULB	NEOPRENE	ULTRAFAB
18	W73231NK000B	AS REQD.	SIDE RAIL FIN SEAL W/STRIPPING	-	ULTRAFAB
19A	MG221	2/ VENT	VENT BOTTOM GUIDE	CELCON	M&M PLASTICS
19B	MG222	2/ VENT	VENT TOP GUIDE	CELCON	M&M PLASTICS
19.1	#8 X 5/8"	1/ GUIDE	SASH GUIDE INST. SCREW	CRS	FH SMS TYPE B
20	SL-14A-044	2/VENT	ULTRALIFT SPIRAL BALANCE	-	CALDWELL
20A	#10 X 1-1/4"	1/ BALANCE	BALANCE INST. SCREW	-	OH SMS TYPE B
22	-	1	5/16" BOX SCREEN	-	OPTIONAL
23	-	2/ LITE	SETTING BLOCK AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
24	-	2	HI-FLOW WEEPER	-	PREFERRED ENGINEERING PRODUCTS

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
(C.A.N. 3538)
MIAMI, FLORIDA 33173
TEL: (305) 268-8100
FAX: (305) 268-4878
COMP-AN\W16-21\MC

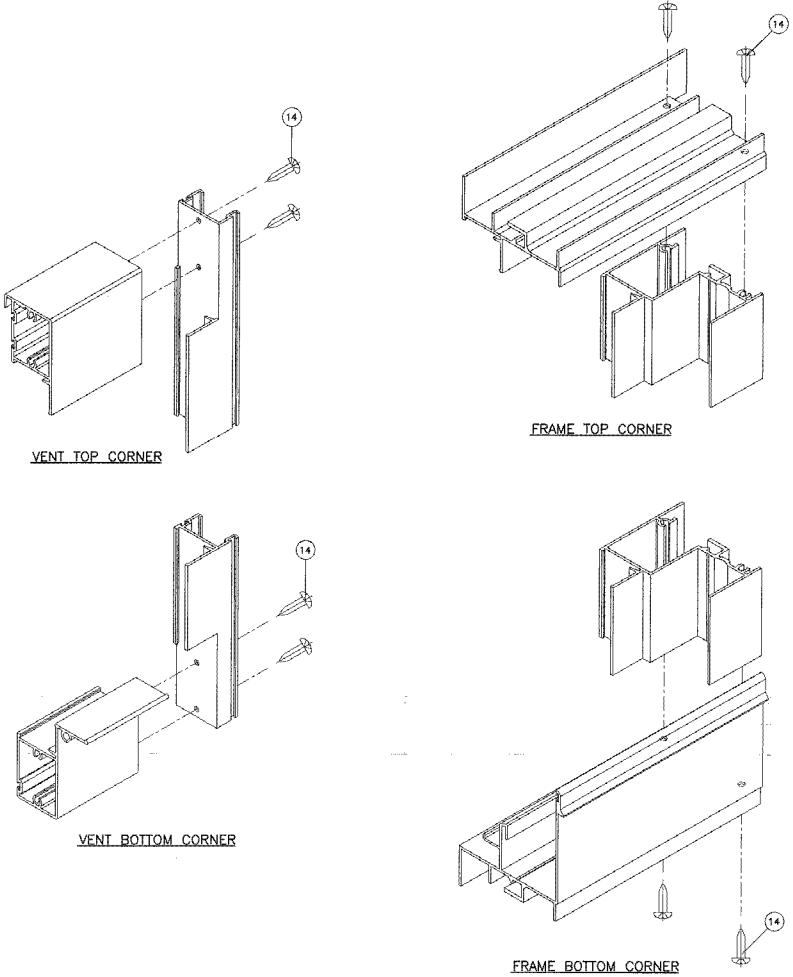
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MR. CLASS DOORS & WINDOWS INC.
8120 N.W. 8 STREET
MEDLEY, FL. 33166
TEL: (305) 470-8284 FAX: (305) 470-8285

Revision:	04-15-16
To Date:	1/2" = 1"
By:	TARIO
Dr. By:	
Or. By:	

drawing no.
W16-21

Sealed: 1/12/2018

JAVAD AHMAD
LICENSE No. 70562
PROFESSIONAL ENGINEER
STATE OF FLORIDA
Drawing no. W16-21



AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9380 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 (305) 264-8400 FAX (305) 264-6978
 COMP-AANN/WI-5-21/MG

MG-200 ALUM. SINGLE HUNG WINDOW (S.M.)
 MR. GLASS DOORS & WINDOWS INC.
 3120 N.W. 8th STREET
 MEDLEY, FL. 33166
 TEL. (305) 470-8284 FAX. (305) 470-8285

Designers:	Date:
by _____	by _____
dra. No. 04-15-16	scale 1/2" = 1"
dr. by _____	dwg. No. 70562
dwg. No. W16-21	dwg. No. _____
PROFESSIONAL ENGINEER	
STATE OF FLORIDA	
Sealed: 1/12/2018	

FL #20352.2