

GLASS TYPE 'A' 7/16" OVERALL LAM. GLASS

GLAZING OPTIONS

SERIES MG-200

ALUMINUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING F.B.C. APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH 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 2020/2023 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)'.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

1/4" AIR SPACE CONSISTING OF: SPACER:

7/8" OVERALL INSUL. LAM. GLASS

'HELIMA' LOW PROFILE ALUMINUM SPACER BY 'LINGERMANN GMBH'

AROUND THE PERIMETER OF THE GLASS. PERIMETER SEALANT:

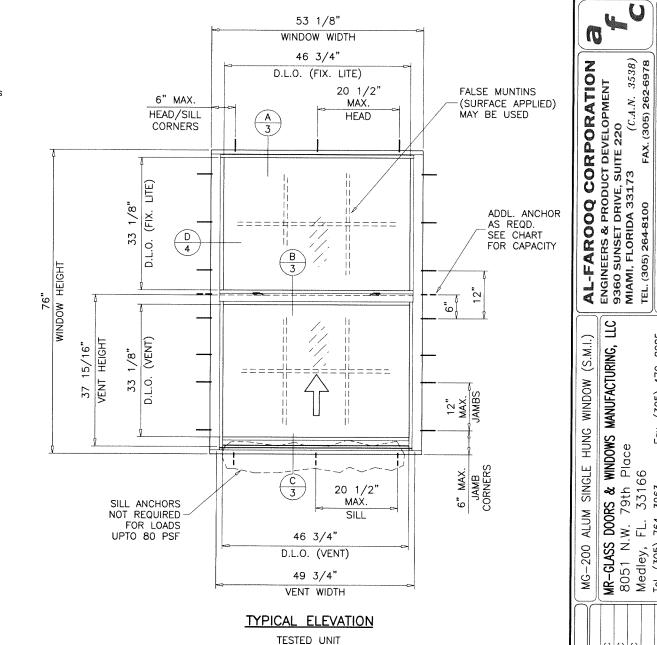
SILICONE

DOWSIL 791

GE 2000

'DURASEAL' EDGE SEAL SYSTEM

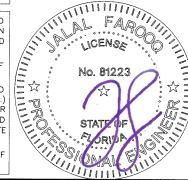
BY 'QUANEX'



- A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT
- B-THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- D— THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

Sealed: 7/24/2023

FL #20352.2



description
UPDATED TO 2017
UPDATED TO 2020
UPDATED TO 2023 date 01.12.18 07.24.20 07.21.23

MANUFACTURING,

WINDOWS Place

DOORS & WIN .W. 79th Pld FL. 33166 764-3963

MR-GLASS 8051 N.N Medley, F

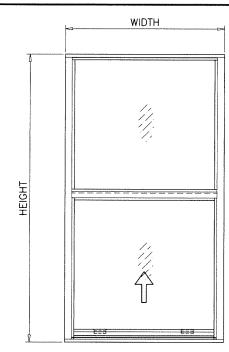
.-+0 1/2" <u>ئ</u>ا <u>₽</u>

drawing no. W16-21

sheet 1 of 7

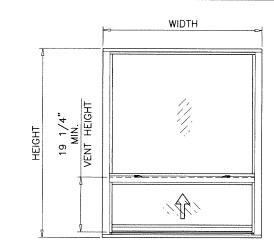
THESE WINDOWS ARE RATED FOR SMALL MISSILE IMPACT. F.B.C. APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

EQU	AL LITE	S WIND	ows]
DESIG	GN LOAD CA	APACITY -	- PSF	
FLANG	E DIMS.		TYPES & 'B'	→
WIDTH	HEIGHT	EXT.(+)	1NT.(-)	
19-1/8"		80.0	140.0	1
26-1/2"		80.0	140.0	1
30"	26"	80.0	140.0	1
37"	(4)	80.0	140.0	
48"		80.0	140.0	
53-1/8"		80.0	140.0	1 토
19-1/8"		80.0	140.0	HEIGHT
26-1/2"		80.0	140.0	1 +
30"	38-3/8"	80.0	140.0	1
37"	(4)	80.0	140.0	
48"		80.0	140.0	1
53-1/8"		80.0	140.0	1
19-1/8"		80.0	140.0	1
26-1/2"		80.0	140.0	
30 "	50-5/8"	80.0	140.0	\ \
37"	(6)	80.0	140.0	1
48"		80.0	140.0	1
53-1/8"		80.0	140.0	1
19-1/8"		80.0	140.0	1
26-1/2"		80.0	140.0	
30"	63"	80.0	140.0	-
37"	(6)	80.0	140.0	1
48"		80.0	140.0	-
53-1/8"		80.0	140.0	-
19-1/8"		80.0	140.0	
26-1/2"		80.0	140.0	
30"	74-1/4"	80.0		-
37 "	(8)	80.0	140.0	-
48"			140.0	
53-1/8"		80.0	140.0	
19-1/8"		80.0	129.6	1
26-1/2"		80.0 80.0	140.0	1
30"	76"	80.0	140.0	}
30"	(8)	80.0	140.0	
37 48"			140.0	
48 53-1/8"		80.0	140.0	
19-1/8"		80.0	128.5	1
26-1/2"		80.0	140.0	
30"	84"	80.0	140.0	
	(8)	80.0	140.0	
37"		80.0	140.0	
48" 53_1 /8"		80.0	140.0	
53-1/8"	74 4/4"	80.0	124.7	
53-1/8"	74-1/4"	80.0	140.0	ADDL. ANCHOR
53-1/8"	76"	80.0	140.0	AT MTG. RAIL
53-1/8"	84"	80.0	140.0	



EQUAL LITES

DESIGN LOAD CAPACITY - PSF	UNEQUAL LITES WINDOWS						
FLANGE DIMS. 'A' & 'B' WIDTH HEIGHT EXT.(+) 1NT.(-) 19-1/8" 80.0 140.0 30" 80.0 140.0 32" 80.0 140.0 36" 80.0 140.0 37" 80.0 140.0 46" 80.0 140.0 48" 80.0 140.0 53-1/8" 80.0 140.0 53-1/8" 80.0 140.0 26-1/2" 80.0 140.0 30" 63" 80.0 140.0 30" 80.0 140.0 80.0 140.0 80.0 140.0 80.0 140.0 80.0 140.0 80.0 140.0 80.0 140.0 19-1/8" 80.0 140.0 80.0 140.0 80.0 140.0 30" 74-1/4" 80.0 140.0 30" 74-1/4" 80.0 140.0 30" 74-1/4"<	DESIGN LOAD CAPACITY - PSF						
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UNEQUAL LITES (ORIEL TYPE)

MG-200 ALUM SINGLE HUNG WINDOW (S.M.I.)

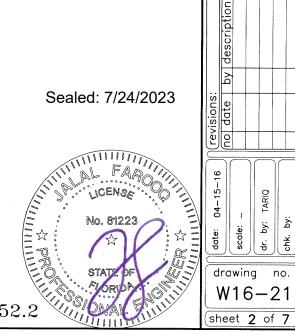
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC

8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

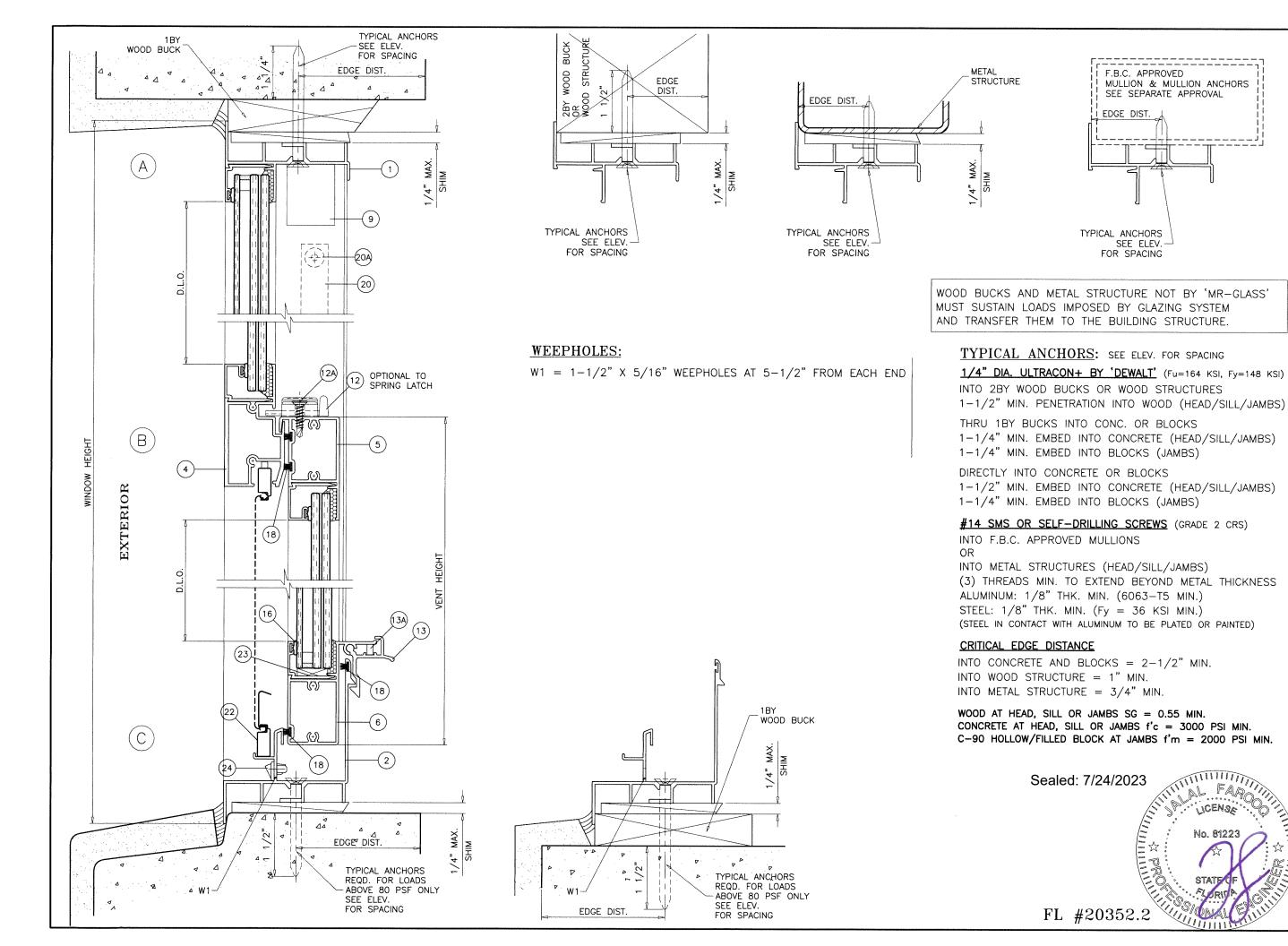
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W16

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

Sealed: 7/24/2023



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



 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

H

MR-GLASS DOORS & WINDOWS MANUFACTURING, 8051 N.W. 79th Place Medley, FL. 33166 Fax. (305) 470-828

(S.M.I.)

SINGLE HUNG

ALUM

-200

MG-

9

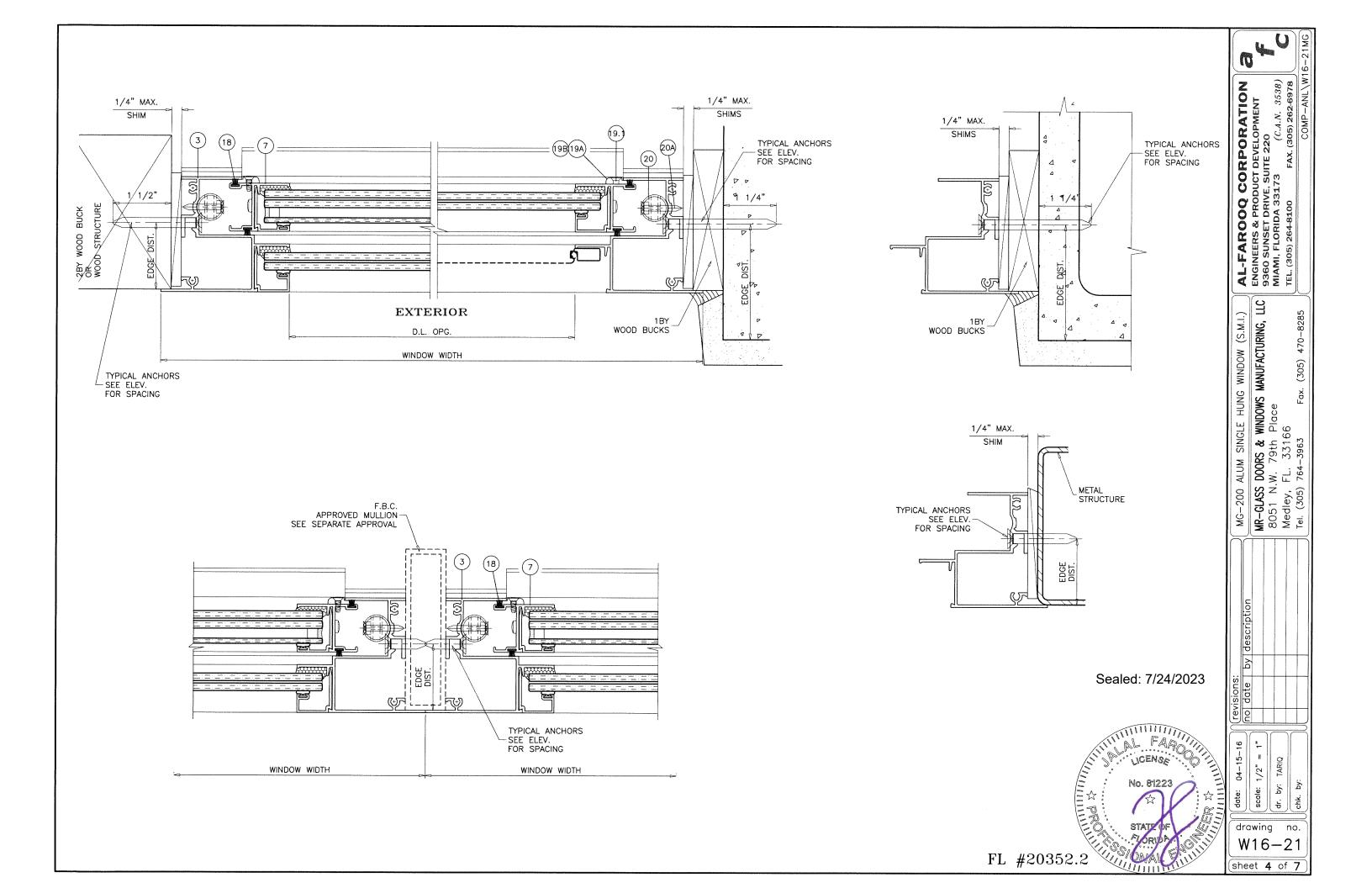
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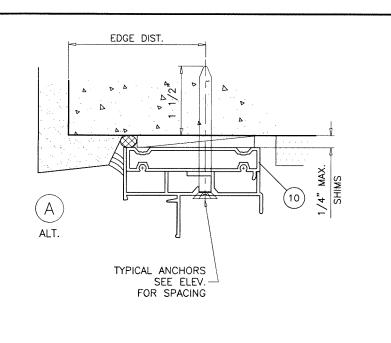
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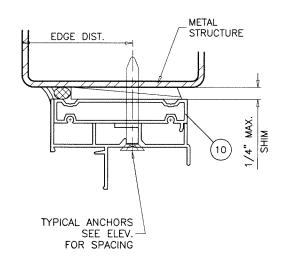
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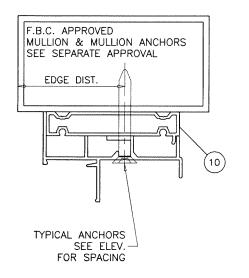
W16 - 21

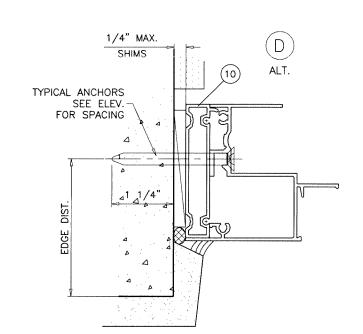
sheet 3 of 7



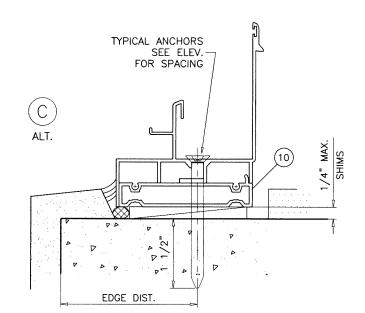




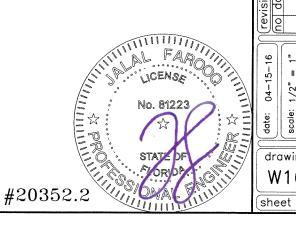




Sealed: 7/24/2023



INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER



no. W16 - 21

FL #20352.2

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COMP-ANL\W16

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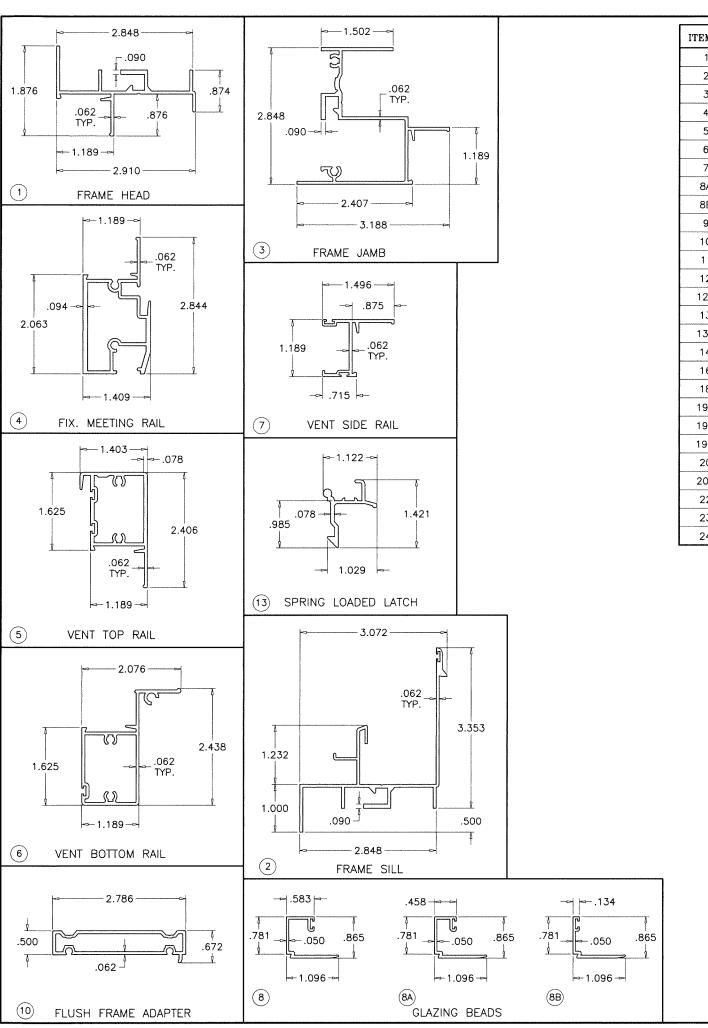
MR-CLASS DOORS & WINDOWS MANUFACTURING, 8051 N.W. 79th Place Medley, FL. 33166 Fax. (305) 764-3963 Fax. (305) 470-828

MG-200 ALUM SINGLE HUNG WINDOW (S.M.I.)

by description revisions:

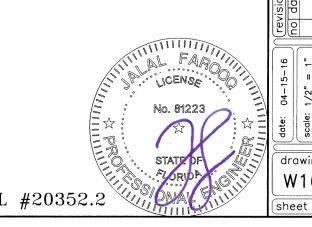
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sheet 5 of 7



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 RQD.	GLAZING BEAD (7/16" GLASS)	6063-T6	
8B	MG210	AS RQD.	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	E202	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	#6 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 PRODUC

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revisions: no date by description drawing

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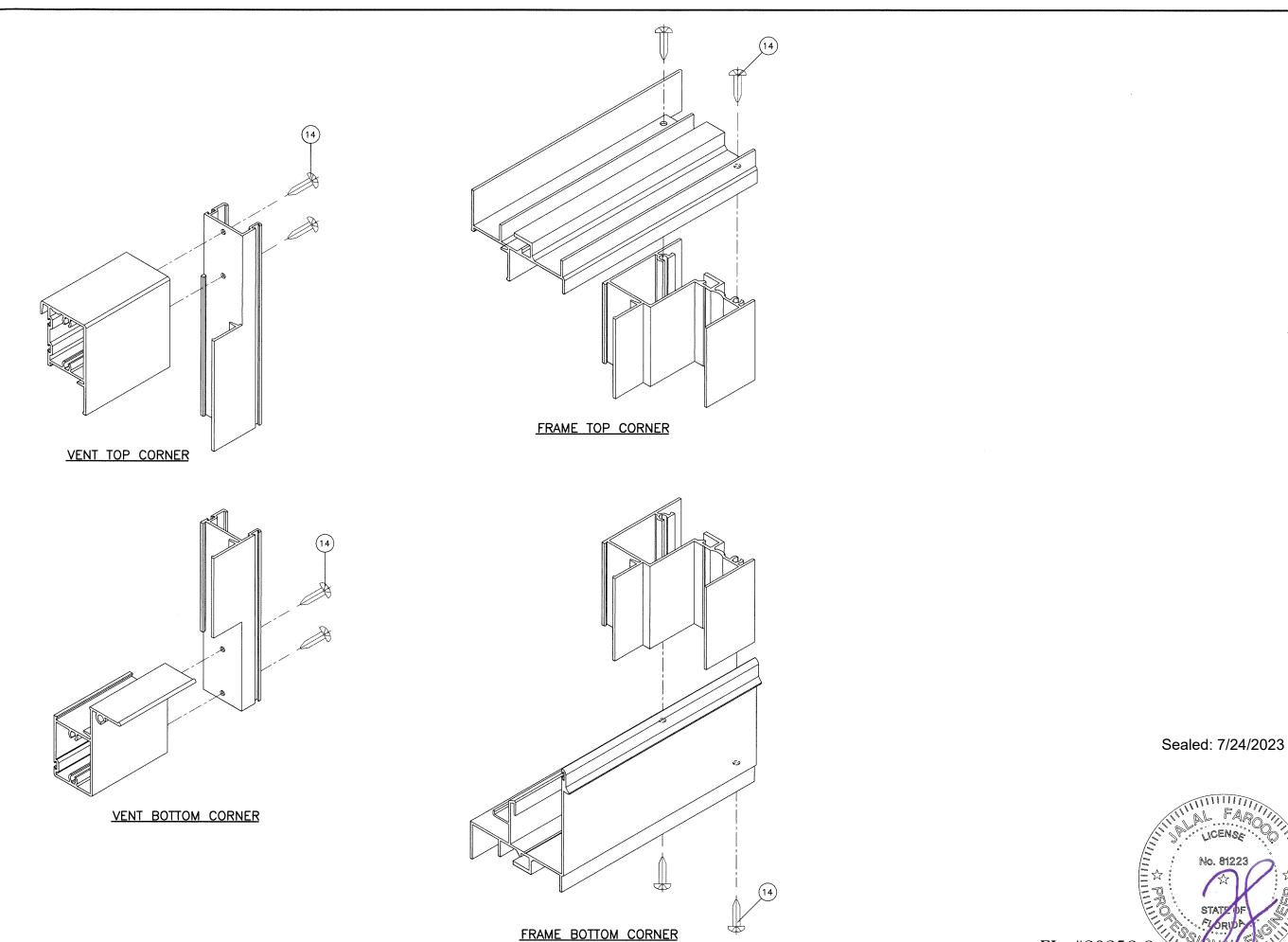
MG-200 ALUM SINGLE HUNG WINDOW (S.M.I.)

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FL #20352.2

W16 - 21sheet 6 of 7



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revisions:
no date by description

04-15-16 scale: 1/2" = 1" dr. by: chk. by:

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sheet 7 of 7

FL #20352.2