



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

OFFICE OF THE
SECRETARY

FL # FL20359-R5
Application Type Revision
Code Version 2023
Application Status Approved

Comments

Archived ☐

Product Manufacturer
Address/Phone/Email

Mr-Glass Doors & Windows Manufacturing, LLC
8051 NW 79th Place
Medley, FL 33166
(305) 470-8284
ulises@mrglasswindows.com

Authorized Signature

Ulises Senaris
ulises@mrglasswindows.com

Technical Representative
Address/Phone/Email

Augusto Arias
8120 NW 84th St
Medley, FL 33166
(305) 470-8284
aarias@mrglasswindows.com

Quality Assurance Representative
Address/Phone/Email

Category
Subcategory

Windows
Horizontal Slider

Compliance Method

Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer
☐ Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name who developed
the Evaluation Report
Florida License
Quality Assurance Entity
Quality Assurance Contract Expiration Date
Validated By

Jalal Farooq
PE-81223
Keystone Certifications, Inc.
04/30/2035
Abel Carrasco, PE
☒ Validation Checklist - Hardcopy Received

Certificate of Independence

[FL20359_R5_COI_SS - Certificate of Independence 2023.pdf](#)

Referenced Standard and Year (of Standard)

Standard	Year
TAS 201	1994
TAS 202	1994
TAS 203	1994

Equivalence of Product Standards
Certified By

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

07/25/2023

Date Validated

07/26/2023

Date Pending FBC Approval

07/27/2023

Date Approved

10/17/2023

Summary of Products

FL #	Model, Number or Name	Description
20359.1	Series MG-300 Aluminum Horizontal Sliding Window	Large missile impact resistant aluminum horizontal sliding window.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +90/-140 Other: See attached drawing W16-26 for span vs. load combination and installation details.		Installation Instructions FL20359_R5_II_SS - Series MG-300 HR (LMI) - DWG W16-26 (2023).pdf Verified By: Jalal Farooq PE # 81223 Created by Independent Third Party: Yes Evaluation Reports FL20359_R5_AE_SS - Series MG-300 HR (LMI) - PAE 2023.pdf Created by Independent Third Party: Yes
20359.2	Series MG-300 Aluminum Horizontal Sliding Window	Small missile impact resistant aluminum horizontal sliding window.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +90/-140 Other: See attached drawing W16-28 for span vs. load combination and installation details.		Installation Instructions FL20359_R5_II_SS - Series MG-300 HR (SMI) - DWG W16-28 (2023).pdf Verified By: Jalal Farooq PE # 81223 Created by Independent Third Party: Yes Evaluation Reports FL20359_R5_AE_SS - Series MG-300 HR (SMI) - PAE 2023.pdf Created by Independent Third Party: Yes

[Back](#)

[Next](#)

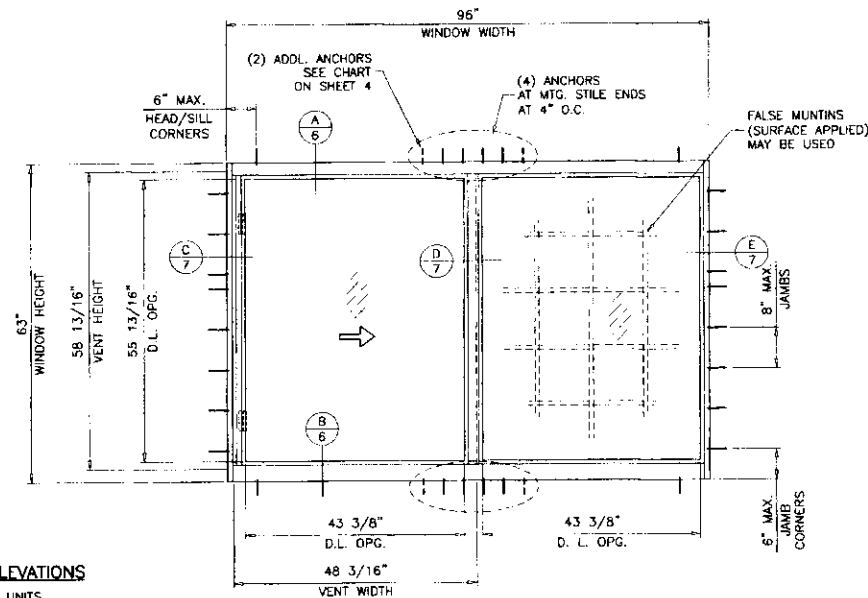
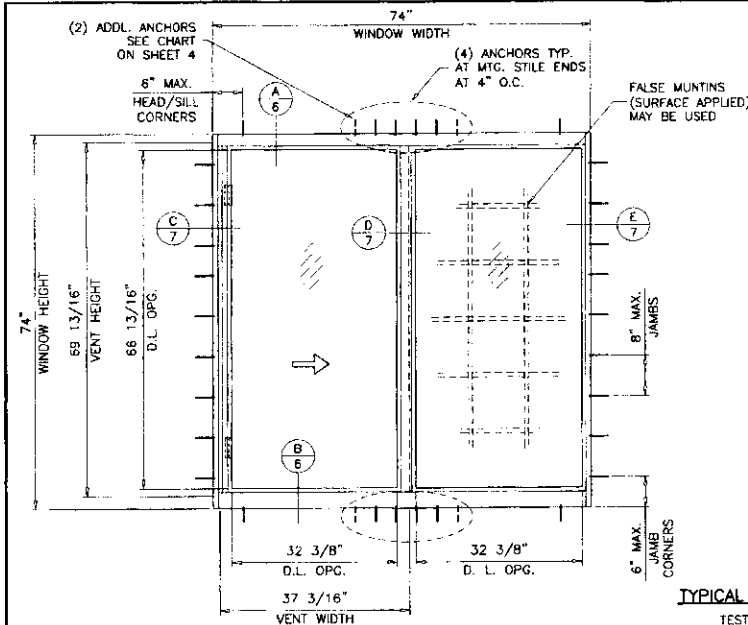
Contact Us :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

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Product Approval Accepts:





TYPICAL ELEVATIONS
TESTED UNITS

SERIES MG-300

ALUMINUM HORIZONTAL SLIDING WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 4 & 5.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.R./H.R. OR HORIZ. ROLLING 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.

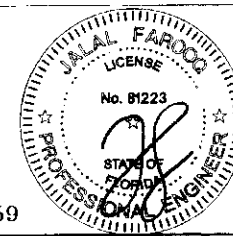
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020/2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

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.

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

- REVISIONS:
- 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.
 - C- 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

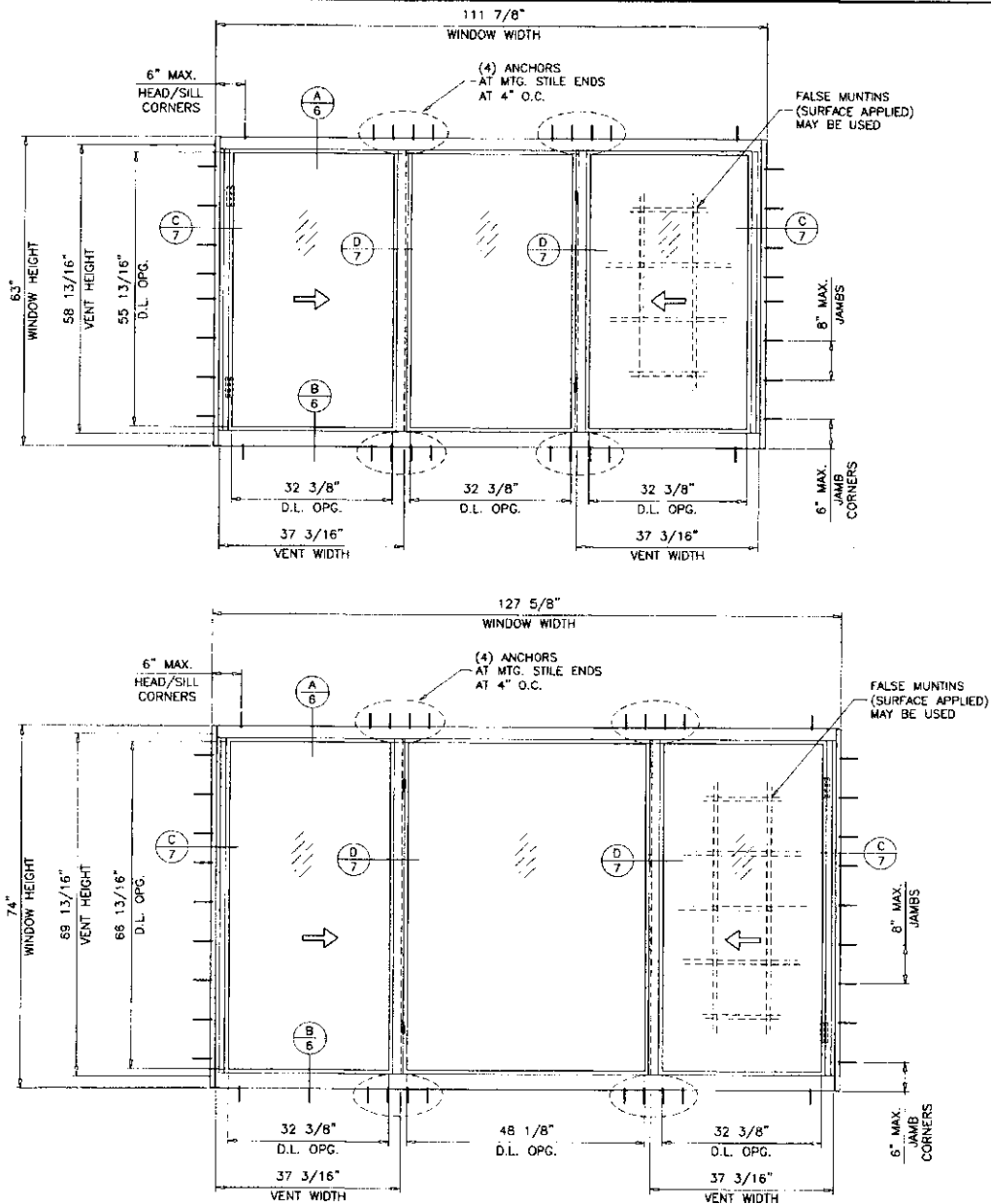
FL #20359

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9380 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL (305) 264-8300 FAX (305) 262-6878
COMP-ANL W16-26MG

MG-300 ALUM HORIZ. ROLLING WDW. (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL 33166
Tel: (305) 764-3963 Fax: (305) 470-8285

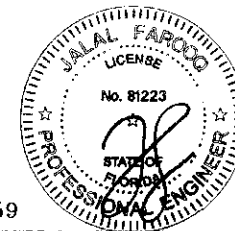
REV	DATE	DESCRIPTION
1	01/12/18	UPD TO 2017 FBC
2	01/24/20	UPD TO 2020 FBC
3	05/29/21	20X EQUAL LITE CHART REV
4	07/21/23	UPD TO 2023 FBC

date: 04-19-18
scale: 1/2"=1'-0"
dr. by: JAF
chk. by:
drawing no.
W16-26
sheet 1 of 10

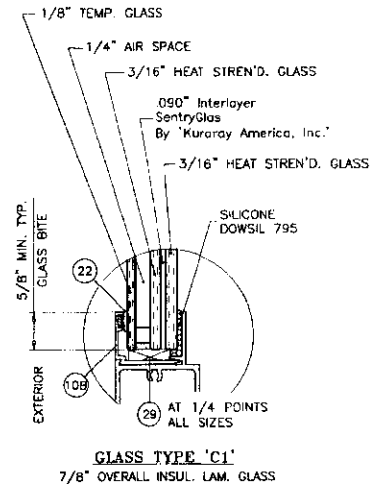
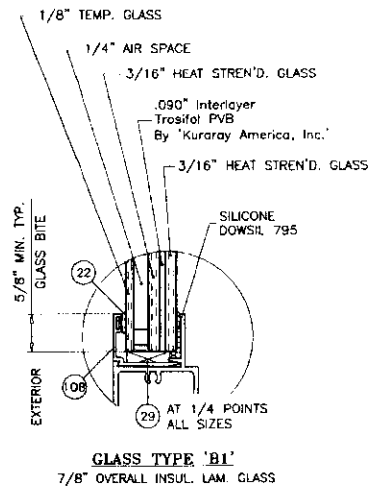
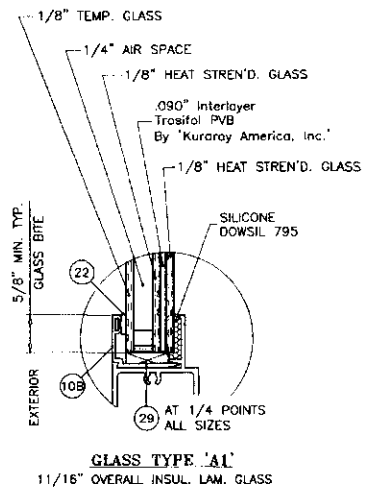
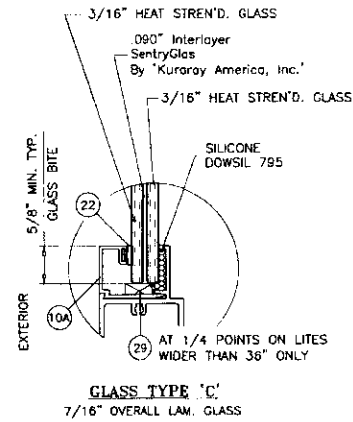
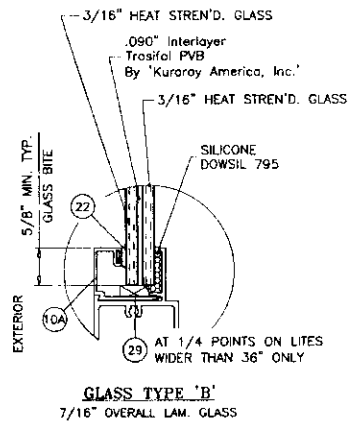
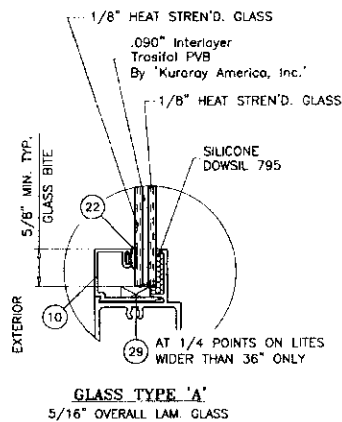


TYPICAL ELEVATIONS
TESTED UNITS

Sealed: 7/24/2023
FL #20359



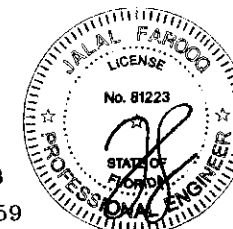
AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978 COMP-ANL W16-26NG	
MG-300 ALUM HORIZ ROLLING WDW (L.M.I.) MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC 8051 N.W. 79th Place Medley, FL 33166 Tel. (305) 764-3963 Fax. (305) 470-8285	
REVISIONS: No. date by description	date 04-18-16 scale 1/2" = 1'-0" dr. by: TARIQ ch. by:
drawing no. W16-26 sheet 2 of 10	



GLAZING OPTIONS

1/4" AIR SPACE CONSISTING OF:
'DURASEAL' EDGE SEAL SYSTEM
BY 'QUANEX'

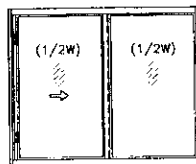
Sealed: 7/24/2023
FL #20359



AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL (305) 264-8100 FAX (305) 282-0978 (C.A.N. 3539) COMP-AN\W16-26MG	
MC-300 ALUM. HORIZ. ROLLING WDW. (L.M.I.) MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC 8051 N.W. 79th Place Medley, FL 33166 Tel. (305) 764-3963 Fax. (305) 470-8285	
REVISIONS: no. date by description	date 04-18-16 scale 1/2" = 1" dr. by: TAPG chg. by:
drawing no. W16-26 sheet 3 of 10	

DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)							
FRAME DIMS.		GLASS TYPES 'A' & 'A1'		GLASS TYPES 'B' & 'B1'		GLASS TYPES 'C' & 'C1'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
26-1/2"	26"	80.0	80.0	80.0	80.0	90.0	140.0
37"		80.0	80.0	80.0	80.0	90.0	140.0
53-1/8"		80.0	80.0	80.0	80.0	90.0	140.0
63"		80.0	80.0	80.0	80.0	90.0	140.0
74"		80.0	80.0	80.0	80.0	90.0	140.0
84"		80.0	80.0	80.0	80.0	90.0	140.0
96"		-	-	80.0	80.0	90.0	140.0
26-1/2"	38-3/8"	80.0	80.0	80.0	80.0	90.0	140.0
37"		80.0	80.0	80.0	80.0	90.0	140.0
53-1/8"		80.0	80.0	80.0	80.0	90.0	140.0
63"		80.0	80.0	80.0	80.0	90.0	140.0
74"		80.0	80.0	80.0	80.0	90.0	140.0
84"		80.0	80.0	80.0	80.0	90.0	140.0
96"		-	-	80.0	80.0	90.0	140.0
26-1/2"	50-5/8"	80.0	80.0	80.0	80.0	90.0	140.0
37"		80.0	80.0	80.0	80.0	90.0	140.0
53-1/8"		80.0	80.0	80.0	80.0	90.0	140.0
63"		80.0	80.0	80.0	80.0	90.0	140.0
74"		80.0	80.0	80.0	80.0	90.0	140.0
84"		80.0	80.0	80.0	80.0	90.0	138.7
96"		-	-	80.0	80.0	90.0	121.4
26-1/2"	63"	80.0	80.0	80.0	80.0	90.0	140.0
37"		80.0	80.0	80.0	80.0	90.0	140.0
53-1/8"		80.0	80.0	80.0	80.0	90.0	140.0
63"		80.0	80.0	80.0	80.0	90.0	140.0
74"		80.0	80.0	80.0	80.0	90.0	126.5
84"		80.0	80.0	80.0	80.0	90.0	111.5
96"		-	-	-	-	90.0	97.5
26-1/2"	74"	-	-	80.0	80.0	-	-
37"		-	-	80.0	80.0	-	-
53-1/8"		-	-	80.0	80.0	-	-
63"		-	-	80.0	80.0	-	-
74"		-	-	80.0	80.0	-	-
84"		-	-	-	-	90.0	140.0
96"		-	-	-	-	90.0	140.0
26-1/2"	50-5/8"	-	-	-	-	90.0	140.0
37"		-	-	-	-	90.0	140.0
53-1/8"		-	-	-	-	90.0	140.0
63"		-	-	-	-	90.0	132.7
74"		-	-	-	-	90.0	125.0
84"		-	-	-	-	90.0	125.0

ANCHORS
AT MTC STILES



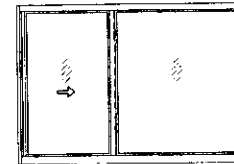
OPERATING VENTS TO BE 1/2 OF THE WINDOW WIDTH
'XO OR OX'

DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)							
FRAME DIMS.		GLASS TYPES 'A' & 'A1'		GLASS TYPES 'B' & 'B1'		GLASS TYPES 'C' & 'C1'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	24"	80.0	80.0	80.0	80.0	90.0	140.0
36"		80.0	80.0	80.0	80.0	90.0	140.0
48"		80.0	80.0	80.0	80.0	90.0	140.0
60"		80.0	80.0	80.0	80.0	90.0	140.0
72"		80.0	80.0	80.0	80.0	90.0	140.0
84"		80.0	80.0	80.0	80.0	90.0	140.0
96"		-	-	80.0	80.0	90.0	140.0
24"	36"	80.0	80.0	80.0	80.0	90.0	140.0
36"		80.0	80.0	80.0	80.0	90.0	140.0
48"		80.0	80.0	80.0	80.0	90.0	140.0
60"		80.0	80.0	80.0	80.0	90.0	140.0
72"		80.0	80.0	80.0	80.0	90.0	140.0
84"		80.0	80.0	80.0	80.0	90.0	140.0
96"		-	-	80.0	80.0	90.0	140.0
24"	48"	80.0	80.0	80.0	80.0	90.0	140.0
36"		80.0	80.0	80.0	80.0	90.0	140.0
48"		80.0	80.0	80.0	80.0	90.0	140.0
60"		80.0	80.0	80.0	80.0	90.0	140.0
72"		80.0	80.0	80.0	80.0	90.0	140.0
84"		80.0	80.0	80.0	80.0	90.0	140.0
96"		-	-	80.0	80.0	90.0	128.0
24"	60"	80.0	80.0	80.0	80.0	90.0	140.0
36"		80.0	80.0	80.0	80.0	90.0	140.0
48"		80.0	80.0	80.0	80.0	90.0	140.0
60"		80.0	80.0	80.0	80.0	90.0	140.0
72"		80.0	80.0	80.0	80.0	90.0	136.5
84"		80.0	80.0	80.0	80.0	90.0	117.0
96"		-	-	-	-	90.0	102.4
24"	72"	-	-	80.0	80.0	-	-
36"		-	-	80.0	80.0	-	-
48"		-	-	80.0	80.0	-	-
60"		-	-	80.0	80.0	-	-
72"		-	-	80.0	80.0	-	-
84"		-	-	-	-	90.0	140.0
96"		-	-	-	-	90.0	140.0
24"	48"	-	-	-	-	90.0	140.0
36"		-	-	-	-	90.0	140.0
48"		-	-	-	-	90.0	140.0
60"		-	-	-	-	90.0	140.0
72"		-	-	-	-	90.0	140.0
84"		-	-	-	-	90.0	140.0
96"		-	-	-	-	90.0	128.0

ANCHORS
AT MTC STILES

DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)							
FRAME DIMS.		GLASS TYPES 'B' & 'B1'		GLASS TYPES 'C' & 'C1'		GLASS TYPES 'C' & 'C1'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
55-1/2"	26"	80.0	80.0	90.0	140.0	-	-
79-11/16"		80.0	80.0	90.0	140.0	-	-
83-1/4"		80.0	80.0	90.0	140.0	-	-
94-1/4"		80.0	80.0	90.0	140.0	-	-
55-1/2"	36-3/8"	80.0	80.0	90.0	140.0	-	-
79-11/16"		80.0	80.0	90.0	140.0	-	-
83-1/4"		80.0	80.0	90.0	140.0	-	-
94-1/4"		80.0	80.0	90.0	140.0	-	-
55-1/2"	50-5/8"	80.0	80.0	90.0	140.0	-	-
79-11/16"		80.0	80.0	90.0	140.0	-	-
83-1/4"		80.0	80.0	90.0	140.0	-	-
94-1/4"		80.0	80.0	90.0	121.4	-	-
55-1/2"	63"	80.0	80.0	90.0	140.0	-	-
79-11/16"		80.0	80.0	90.0	111.5	-	-
83-1/4"		80.0	80.0	90.0	97.5	-	-
94-1/4"		80.0	80.0	90.0	98.5	-	-
55-1/2"	74"	80.0	80.0	70.9	98.5	-	-
79-11/16"		80.0	80.0	62.2	86.4	-	-

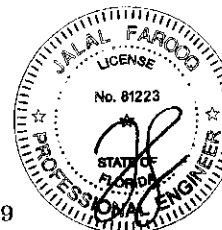
DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)							
FRAME DIMS.		GLASS TYPES 'B' & 'B1'		GLASS TYPES 'C' & 'C1'		GLASS TYPES 'C' & 'C1'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
54"	24"	80.0	80.0	90.0	140.0	-	-
63"		80.0	80.0	90.0	140.0	-	-
72"		80.0	80.0	90.0	140.0	-	-
81"		80.0	80.0	90.0	140.0	-	-
90"	36"	80.0	80.0	90.0	140.0	-	-
54"		80.0	80.0	90.0	140.0	-	-
63"		80.0	80.0	90.0	140.0	-	-
72"		80.0	80.0	90.0	140.0	-	-
81"	48"	80.0	80.0	90.0	140.0	-	-
90"		80.0	80.0	90.0	140.0	-	-
54"		80.0	80.0	90.0	140.0	-	-
63"		80.0	80.0	90.0	140.0	-	-
72"	60"	80.0	80.0	90.0	140.0	-	-
81"		80.0	80.0	90.0	117.0	-	-
90"		-	-	90.0	102.4	-	-
54"		80.0	80.0	90.0	140.0	-	-
63"	72"	80.0	80.0	80.6	111.9	-	-
72"		80.0	80.0	69.4	96.4	-	-
81"		-	-	61.9	85.9	-	-



OPERATING VENTS TO BE 1/4 TO 1/3 OF THE WINDOW WIDTH
'XO OR OX'

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

Sealed: 7/24/2023
FL #20359



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL: (305) 264-8100 FAX: (305) 262-8978
COMP-ANL W16-25MG

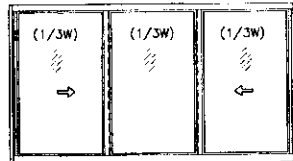
MG-300 ALUM. HORIZ. ROLLING WDW. (L.M.I.)
MR. GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL 33166
Tel: (305) 764-3963 Fax: (305) 470-8295

Revisions:
no. date by description
1 04-18-16
scale: -
or by TARIQ
CHK. BY:

drawing no.
W16-26
sheet 4 of 10

DESIGN LOAD CAPACITY - PSF (XOX SIZES)							
FRAME DIMS.		GLASS TYPES 'A' & 'A1'		GLASS TYPES 'B' & 'B1'		GLASS TYPES 'C' & 'C1'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
106-1/4"	26"	80.0	80.0	80.0	80.0	90.0	140.0
		80.0	80.0	80.0	80.0	90.0	140.0
		80.0	80.0	80.0	80.0	90.0	140.0
		80.0	80.0	80.0	80.0	90.0	140.0
106-1/4"	38-3/8"	80.0	80.0	80.0	80.0	90.0	140.0
		80.0	80.0	80.0	80.0	90.0	140.0
		80.0	80.0	80.0	80.0	90.0	140.0
		80.0	80.0	80.0	80.0	90.0	140.0
106-1/4"	50-5/8"	80.0	80.0	80.0	80.0	90.0	140.0
		80.0	80.0	80.0	80.0	90.0	140.0
		80.0	80.0	80.0	80.0	90.0	140.0
		80.0	80.0	80.0	80.0	90.0	138.7
106-1/4"	63"	80.0	80.0	80.0	80.0	90.0	129.0
		80.0	80.0	80.0	80.0	90.0	125.7
		80.0	80.0	80.0	80.0	-	-
		80.0	80.0	80.0	80.0	-	-
106-1/4"	74"	80.0	80.0	80.0	80.0	-	-
		80.0	80.0	80.0	80.0	-	-
		80.0	80.0	80.0	80.0	-	-
		-	-	80.0	80.0	-	-

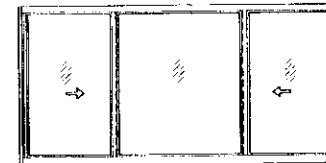
DESIGN LOAD CAPACITY - PSF (XOX SIZES)							
FRAME DIMS.		GLASS TYPES 'A' & 'A1'		GLASS TYPES 'B' & 'B1'		GLASS TYPES 'C' & 'C1'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
72"	24"	80.0	80.0	80.0	80.0	90.0	140.0
84"		80.0	80.0	80.0	80.0	90.0	140.0
96"		80.0	80.0	80.0	80.0	90.0	140.0
108"		80.0	80.0	80.0	80.0	90.0	140.0
120"	36"	80.0	80.0	80.0	80.0	90.0	140.0
72"		80.0	80.0	80.0	80.0	90.0	140.0
84"		80.0	80.0	80.0	80.0	90.0	140.0
96"		80.0	80.0	80.0	80.0	90.0	140.0
108"	48"	80.0	80.0	80.0	80.0	90.0	140.0
120"		80.0	80.0	80.0	80.0	90.0	140.0
72"		80.0	80.0	80.0	80.0	90.0	140.0
84"		80.0	80.0	80.0	80.0	90.0	140.0
96"	60"	80.0	80.0	80.0	80.0	90.0	140.0
108"		80.0	80.0	80.0	80.0	90.0	140.0
120"		80.0	80.0	80.0	80.0	90.0	136.5
72"		80.0	80.0	80.0	80.0	-	-
84"	72"	80.0	80.0	80.0	80.0	-	-
96"		80.0	80.0	80.0	80.0	-	-
108"		80.0	80.0	80.0	80.0	-	-
120"		-	-	80.0	80.0	-	-



OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH
'XOX'

DESIGN LOAD CAPACITY - PSF (XOX SIZES)					
FRAME DIMS.		GLASS TYPES 'B' & 'B1'		GLASS TYPES 'C' & 'C1'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
74"	26"	80.0	80.0	90.0	140.0
106-1/4"		80.0	80.0	90.0	140.0
111"		80.0	80.0	90.0	140.0
126"		80.0	80.0	90.0	140.0
74"	38-3/8"	80.0	80.0	90.0	140.0
106-1/4"		80.0	80.0	90.0	140.0
111"		80.0	80.0	90.0	140.0
126"		80.0	80.0	-	-
74"	50-5/8"	80.0	80.0	90.0	140.0
106-1/4"		80.0	80.0	-	-
111"		80.0	80.0	-	-
126"		80.0	80.0	-	-
106-1/4"	63"	80.0	80.0	90.0	140.0
111"		80.0	80.0	-	-
74"		80.0	80.0	-	-
106-1/4"		80.0	80.0	-	-

DESIGN LOAD CAPACITY - PSF (XOX SIZES)					
FRAME DIMS.		GLASS TYPES 'B' & 'B1'		GLASS TYPES 'C' & 'C1'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
72"	24"	80.0	80.0	90.0	140.0
84"		80.0	80.0	90.0	140.0
96"		80.0	80.0	90.0	140.0
108"		80.0	80.0	90.0	140.0
120"	36"	80.0	80.0	90.0	140.0
72"		80.0	80.0	90.0	140.0
84"		80.0	80.0	90.0	140.0
96"		80.0	80.0	90.0	140.0
108"	48"	80.0	80.0	90.0	140.0
120"		80.0	80.0	90.0	140.0
72"		80.0	80.0	90.0	140.0
84"		80.0	80.0	-	-
96"	60"	80.0	80.0	-	-
108"		80.0	80.0	-	-
120"		80.0	80.0	-	-
72"		80.0	80.0	-	-
84"	72"	80.0	80.0	-	-
96"		80.0	80.0	-	-
108"		80.0	80.0	-	-
120"		80.0	80.0	-	-

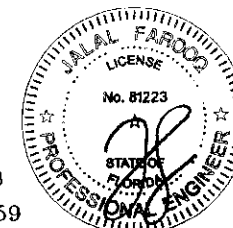


OPERATING VENTS TO BE 1/4 TO 1/3 OF THE WINDOW WIDTH
'XOX'

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

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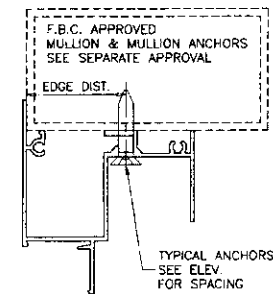
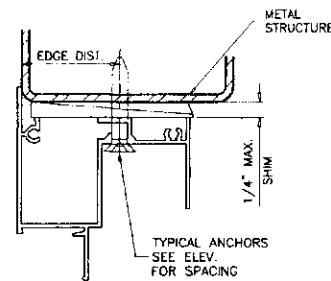
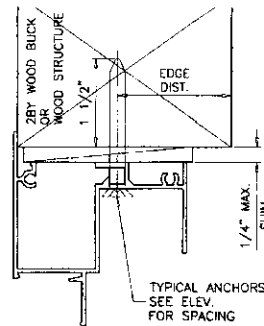
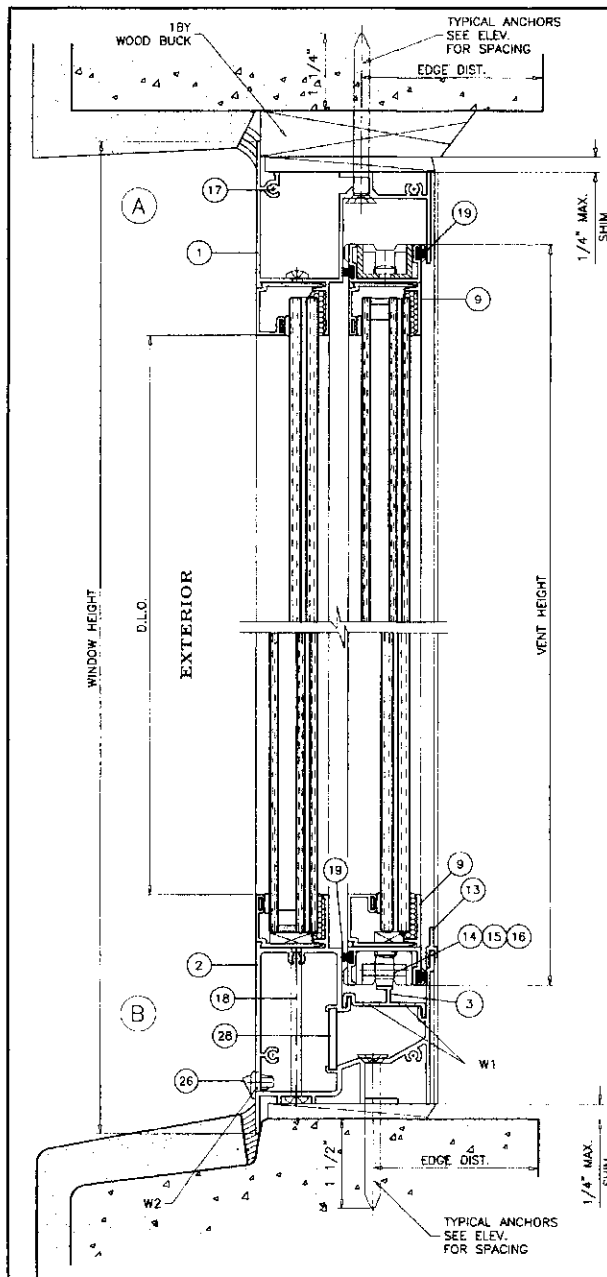
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COMP-ANL W16-26M

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REVISIONS:
no. date by description

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scale: -
dr. by: JAF
chk. by:

drawing no.
W16-26
sheet 5 of 10



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

WEEPHOLES:

W1 = 1" X 1/4" WEEPHOLES AT 2-1/4" FROM EACH END
W2 = 1-3/4" X 3/8" WEEPHOLES AT 5-1/2" FROM EACH END WITH PLASTIC BAFFLE

SEALANTS:

ALL FRAME CORNERS, FIXED MEETING RAIL TRACK INSERT AT EACH END AND INSTALLATION SCREWS IN SILL SEALED WITH ALUMINUM COLORED SEALANT.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 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. EMBD INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBD INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS
1-1/2" MIN. EMBD INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBD INTO BLOCKS (JAMBS)

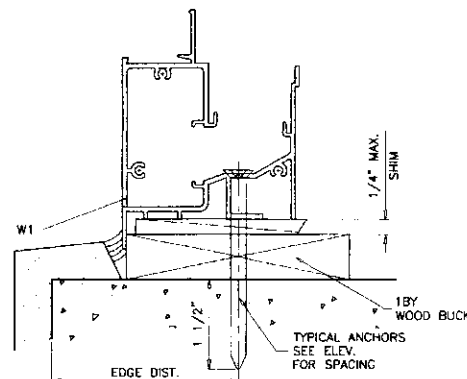
#14 SMS OR SELF-DRILLING SCREWS (GRADE 2 CRS)

INTO F.B.C. 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)

CRITICAL EDGE DISTANCE

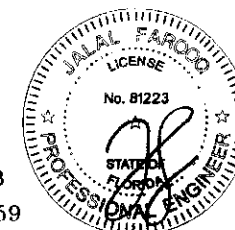
INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

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



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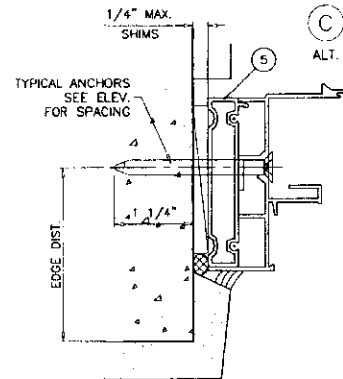
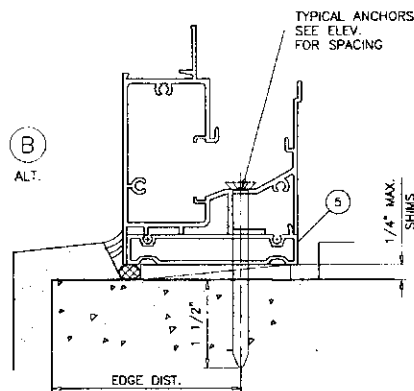
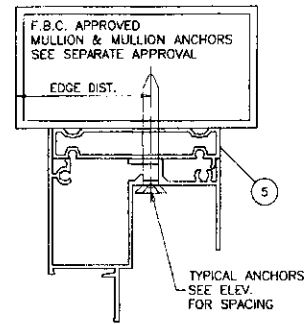
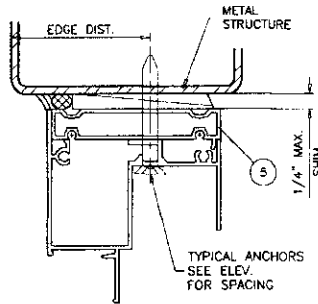
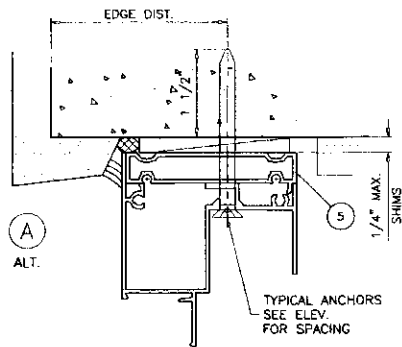
AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
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TEL (305) 264-8100 FAX (305) 262-4978
C.A.N. 3538
COMP-ANI W16-26MC

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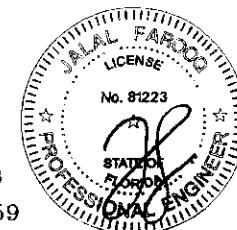
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dr. by:	TARIQ
chk. by:	

drawing no.
W16-26
sheet 6 of 10

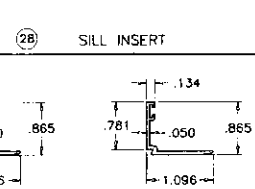
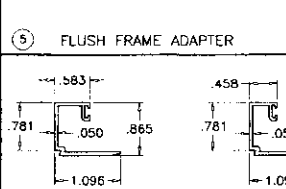
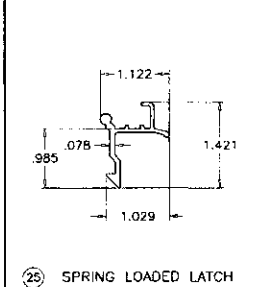
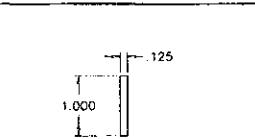
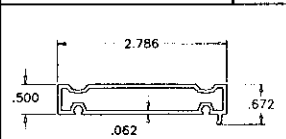
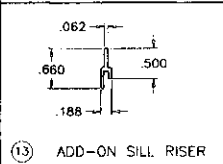
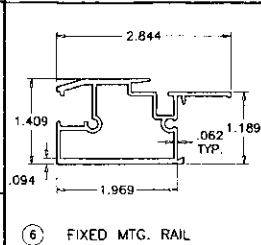
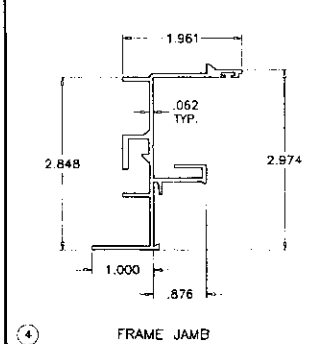
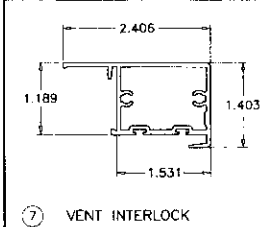
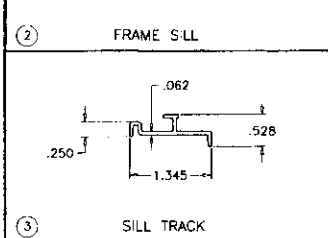
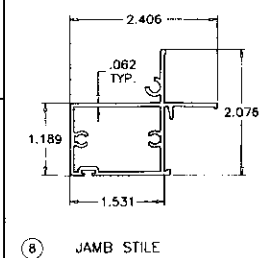
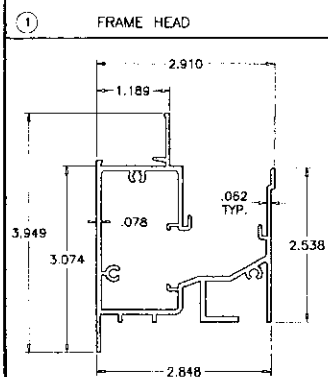
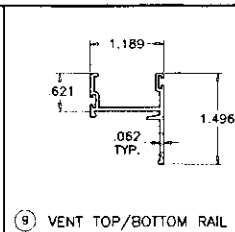
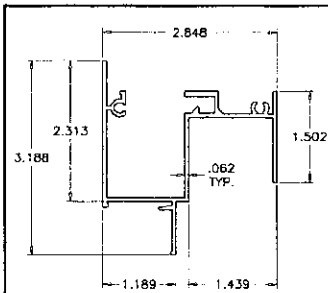


INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER

Sealed: 7/24/2023
FL #20359

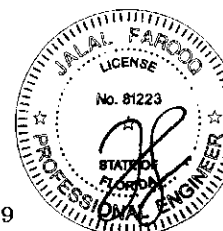


AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL (305) 264-8100 FAX (305) 262-8978 (C.A.N. 3538) COMP-ANL W16-26MC	
MC-300 ALUM. HORIZ. ROLLING WDW. (L.M.I.) MR. GLASS DOORS & WINDOWS MANUFACTURING, LLC 8051 N.W. 79th Place Medley, FL 33166 Tel. (305) 764-3953 Fax (305) 470-8285	
Revisions: no. date by description	date: 04-18-16 scale: 1/2" = 1" dr. by: TARIQ chk. by:
drawing no. W16-26 sheet 8 of 10	

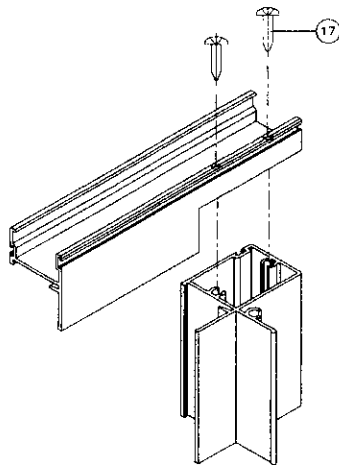


ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	MG203	1	FRAME HEAD	6063-T6	-
2	MG301	1	FRAME SILL	6063-T6	-
3	MG302	1	SILL TRACK INSERT	6063-T6	-
4	MG303	AS REQD.	FRAME JAMB	6063-T6	-
5	MG212	AS REQD.	FLUSH FRAME ADAPTER	6063-T6	-
6	MG204	1/ VENT	FIXED MTG. RAIL	6063-T6	-
7	MG205	1/ VENT	VENT INTERLOCK	6063-T6	-
8	MG304	1/ VENT	JAMB STILE	6063-T6	-
9	MG207	2/ VENT	TOP AND BOTTOM RAIL	6063-T6	-
10	MG208	AS REQD.	GLAZING BEAD (5/16" GLASS)	6063-T6	-
10A	MG209	AS REQD.	GLAZING BEAD (7/16" GLASS)	6063-T6	-
10B	MG210	AS REQD.	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	-
13	MG305	AS REQD.	ADD-ON SILL RISER	6063-T6	-
14	MG321	4/ VENT	ROLLER HOUSING & GUIDE	CELCON	-
15	MG322	2/ VENT	ROLLER	BRASS	-
16	MG323	2/ VENT	ROLLER PIN	ST. STEEL	-
17	#10 X 1"	AS REQD.	FRAME/VENT ASSEMBLY SCREWS	CRS	PH SMS
18	#10 X 3-1/2"	2/ VENT	FIX. RAIL SILL SCREWS (SILL END)	CRS	PH SMS
19	W222322	AS REQD.	FIN SEAL W/STRIPPING	-	ULTRAFAB
22	E202	AS REQD.	GLAZING BEAD BULB	NEOPRENE	ULTRAFAB
24	SL203P	2/ VENT	SWEEP LATCH, AT 10-1/4" FROM EACH END	ZAMAK	SULLIVAN & ASSOC.
24A	#8 X 5/8"	2/ LATCH	LATCH INST. SCREW	ST. STEEL	PH SMS
25	MG211	2/ VENT	SPRING LOADED LATCH	6063-T6	ALTERNATE TO SWEEP LATCH
25A	-	1/ LATCH	LATCH SPRING	ST. STEEL	-
26	-	2/ WDW.	HI-FLOW WEEPER	-	PREFERRED ENGINEERING PRODUCTS
27	-	1/ VENT	5/16" BOX SCREEN	-	OPTIONAL
28	-	AS REQD.	SILL INSERT, 2" LONG	6063-T6	AT MTG. STILE LOCATION
29	-	AS REQD.	SETTING BLOCK AT 1/4 POINTS	EPDM	DUPROMETER 80±5 SHORE A

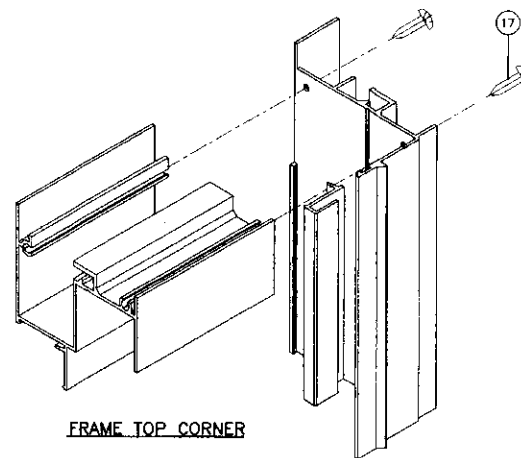
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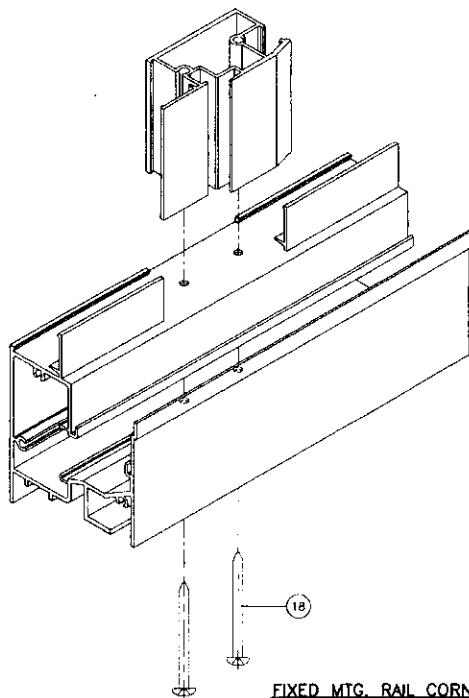
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		a f c CONF-ANL W16-26MG	



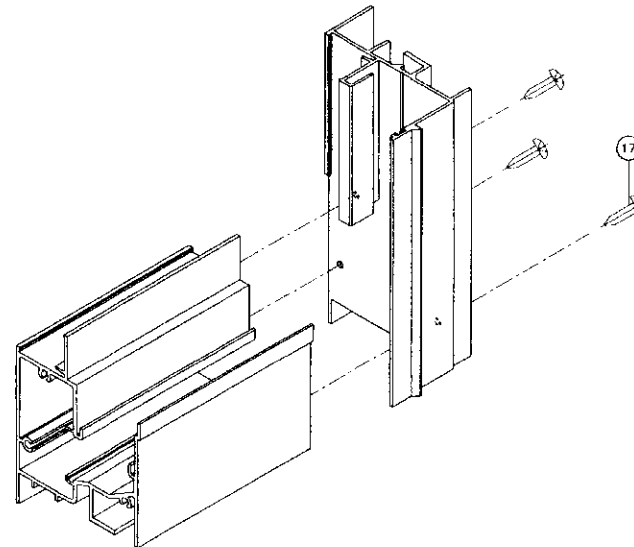
VENT TOP/BOTTOM CORNER



FRAME TOP CORNER



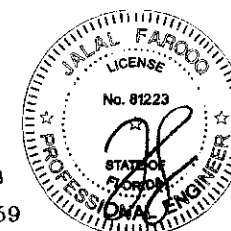
FIXED MTG. RAIL CORNER



FRAME BOTTOM CORNER

Sealed: 7/24/2023

FL #20359



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) 262-8978
 COMP-ANL W16-26MG

MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
 8051 N.W. 79th Place
 Medley, FL 33166
 Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:	no.	date	by	description

date: 04-18-16
 scale: 1/2" = 1"
 dr. by: TARIQ
 chg. by:

drawing no.
W16-26

sheet 10 of 10