

INTER-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 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.

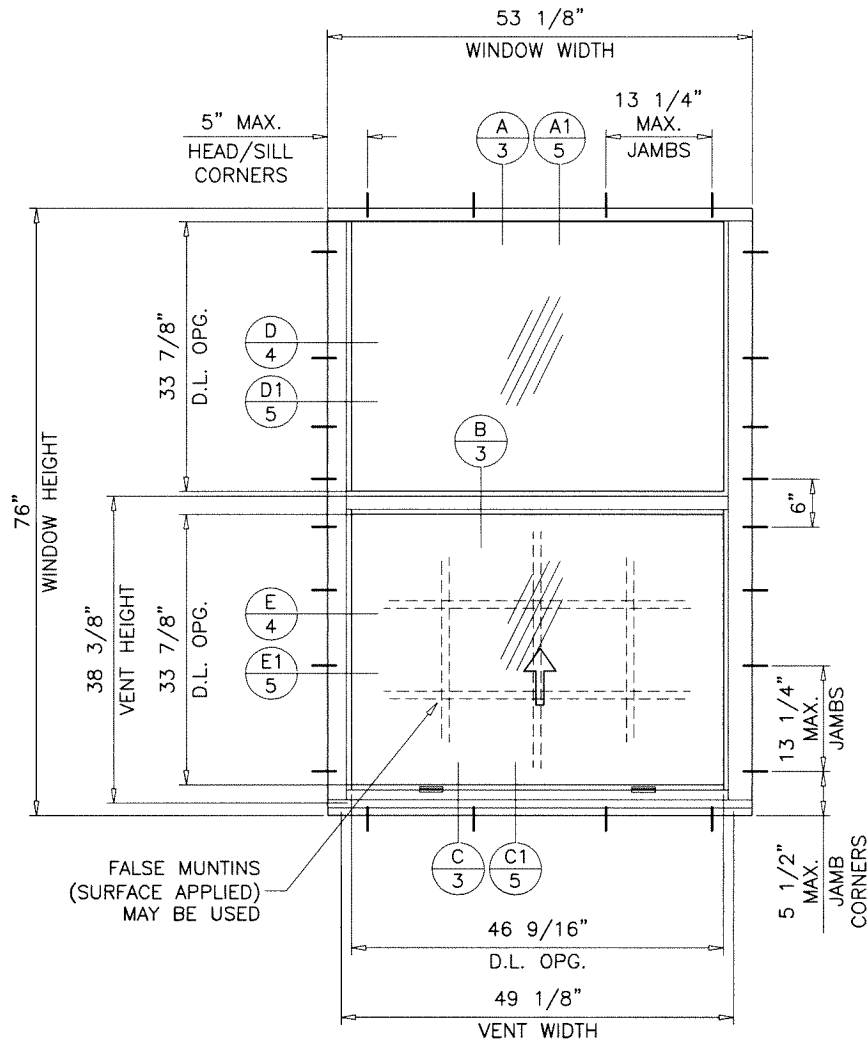
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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

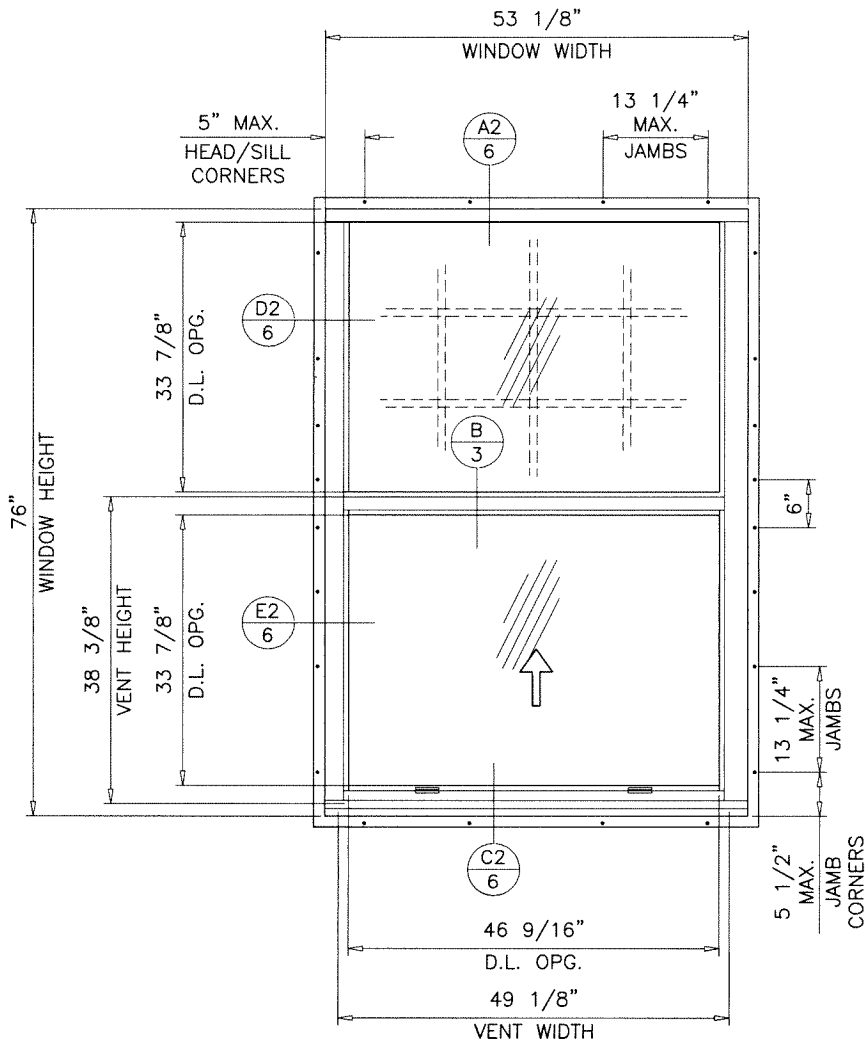
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, 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.



TYPICAL ELEVATIONS
(TESTED UNITS)

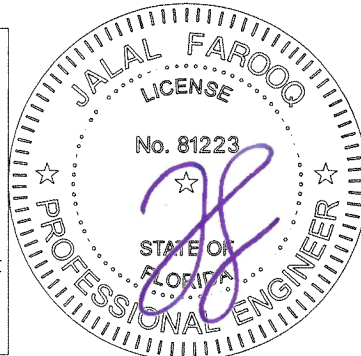


THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

Sealed: 1/17/2024

FL #47208

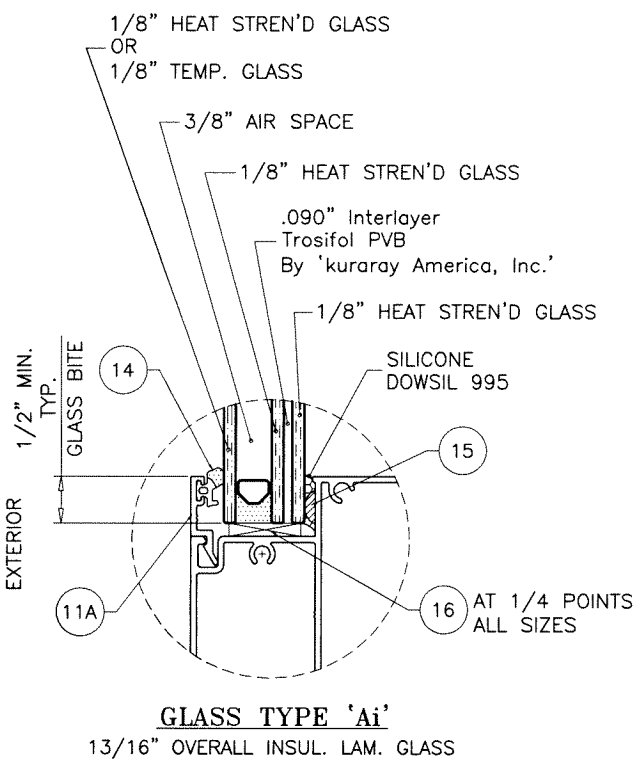
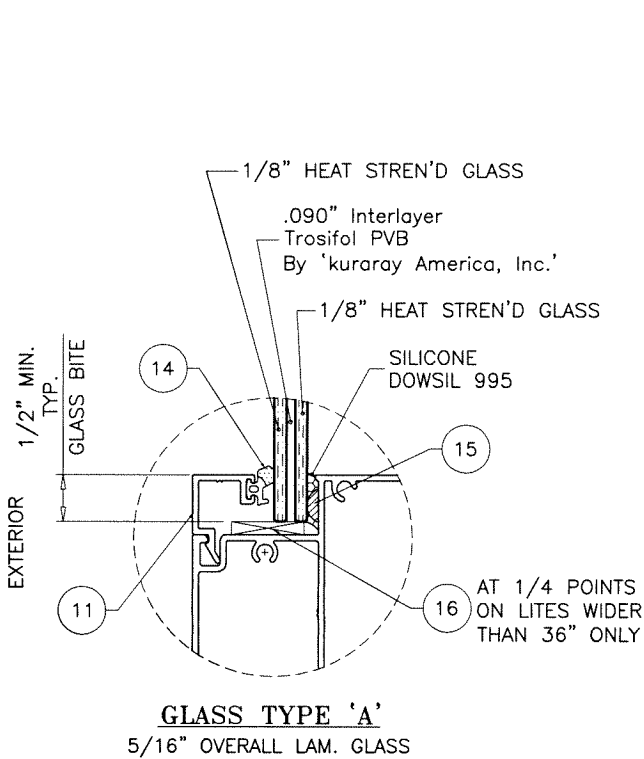
- A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- C- 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.



AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978 COMP-ANL\24-83F-ALU	
INTER-200 ALUMINUM SINGLE HUNG WDW. (L.M.I.)	
Alucorp S.A. De C.V. Calle 2 Tablaje 17439 Int C X 21y 25 Chichi Suarez, Merida Yucatan, Mexico Tel. (-) Fax. (-)	
revisions:	no date by description
date: 11-20-24	scale: 1/2"=1'-0"
dr. by: TARIQ	chk. by:
drawing no. 24-83F	
sheet 1 of 9	

DESIGN LOAD CAPACITY - PSF			
FRAME DIMS.		GLASS TYPES 'A' & 'Ai'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
19-1/8"	26"	70.0	80.0
26-1/2"		70.0	80.0
37"		70.0	80.0
53-1/8"		70.0	80.0
19-1/8"	38-3/8"	70.0	80.0
26-1/2"		70.0	80.0
37"		70.0	80.0
53-1/8"		70.0	80.0
19-1/8"	50-5/8"	70.0	80.0
26-1/2"		70.0	80.0
37"		70.0	80.0
53-1/8"		70.0	80.0
19-1/8"	56"	70.0	80.0
26-1/2"		70.0	80.0
37"		70.0	80.0
53-1/8"		70.0	80.0
19-1/8"	63"	70.0	80.0
26-1/2"		70.0	80.0
37"		70.0	80.0
53-1/8"		70.0	80.0
19-1/8"	74-1/4"	70.0	80.0
26-1/2"		70.0	80.0
37"		70.0	80.0
53-1/8"		70.0	80.0
19-1/8"	76"	70.0	80.0
26-1/2"		70.0	80.0
37"		70.0	80.0
53-1/8"		70.0	80.0

DESIGN LOAD CAPACITY - PSF			
FRAME DIMS.		GLASS TYPES 'A' & 'Ai'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
24"	48"	70.0	80.0
30"		70.0	80.0
32"		70.0	80.0
36"		70.0	80.0
42"		70.0	80.0
48"		70.0	80.0
52"		70.0	80.0
24"	60"	70.0	80.0
30"		70.0	80.0
32"		70.0	80.0
36"		70.0	80.0
42"		70.0	80.0
48"		70.0	80.0
52"		70.0	80.0
24"	72"	70.0	80.0
30"		70.0	80.0
32"		70.0	80.0
36"		70.0	80.0
42"		70.0	80.0
48"		70.0	80.0
52"		70.0	80.0
24"	78"	70.0	80.0
30"		70.0	80.0
32"		70.0	80.0
36"		70.0	80.0
42"		70.0	80.0
48"		70.0	80.0
24"	84"	70.0	80.0
30"		70.0	80.0
32"		70.0	80.0
36"		70.0	80.0
42"		70.0	80.0
48"		70.0	80.0
24"	96"	70.0	80.0
30"		70.0	80.0
32"		70.0	80.0
36"		70.0	80.0
42"		70.0	80.0
48"		70.0	80.0



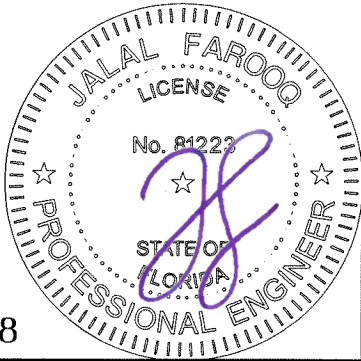
GLAZING OPTIONS

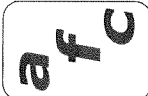
NOTE:
EXTERIOR PLY OF GLASS TYPE 'Ai' TO BE TEMPERED
TO QUALIFY FOR SMALL MISSILE IMPACT RATING.

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: 1/17/2024

FL #47208





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\24-83F-ALU

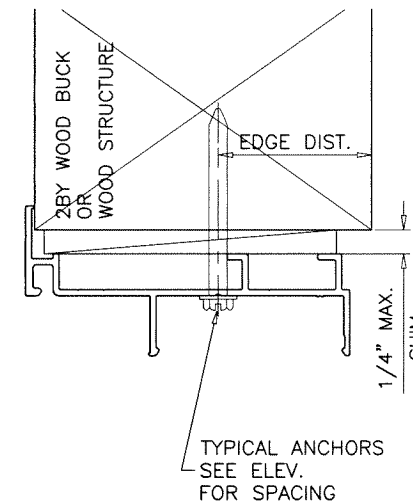
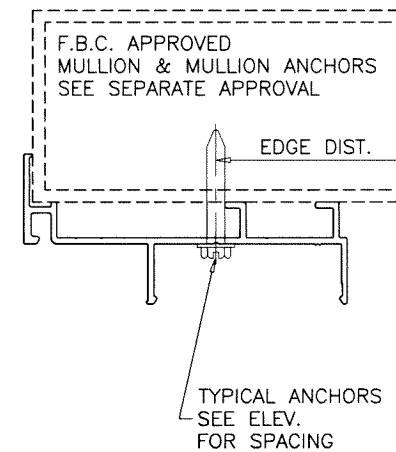
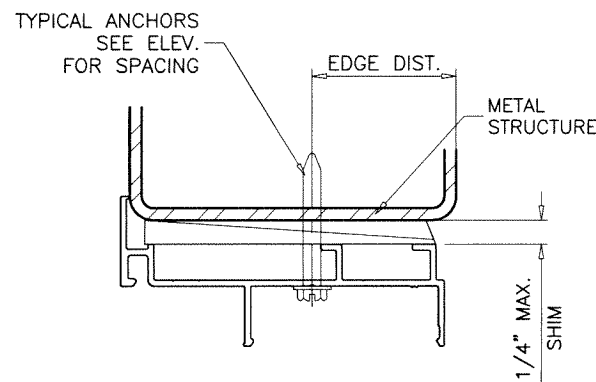
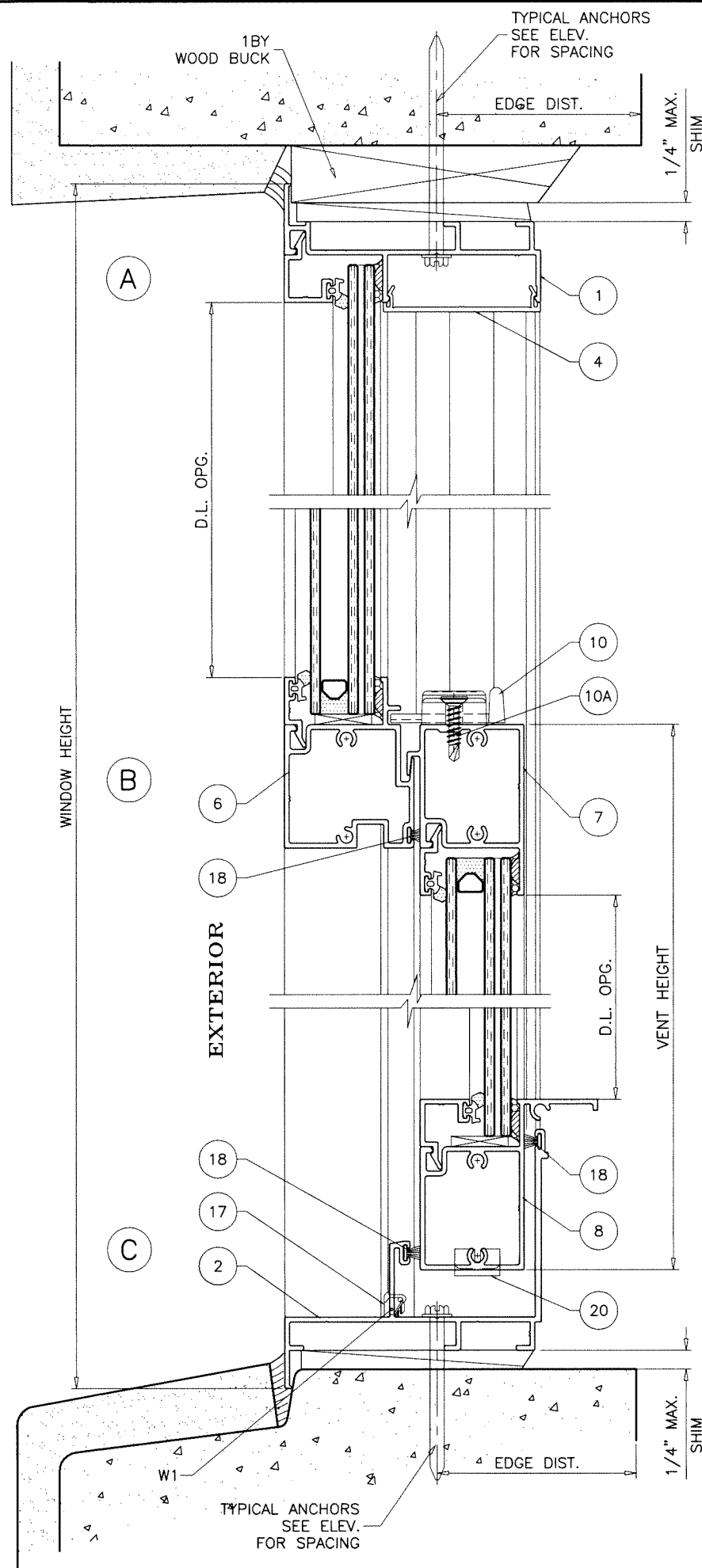
INTER-200 ALUMINUM SINGLE HUNG WDW. (L.M.I.)

Alucorp S.A. De C.V.
Calle 2 Tablaje 17439 Int C X 21y
25 Chichi Suarez, Merida
Yucatan, Mexico
Tel. (-) Fax. (-)

revisions:	no	date	by	description

date:	11-20-24
scale:	1/2" = 1"
dr. by:	TARIQ
chk. by:	

drawing no.	24-83F
sheet	2 of 9



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

WEEPHOLES:

W1 = 1/4" X 1-3/4" LONG WEEP SLOTS WITH PLASTIC BAFFLE 5-1/2" FROM EACH END.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ 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. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

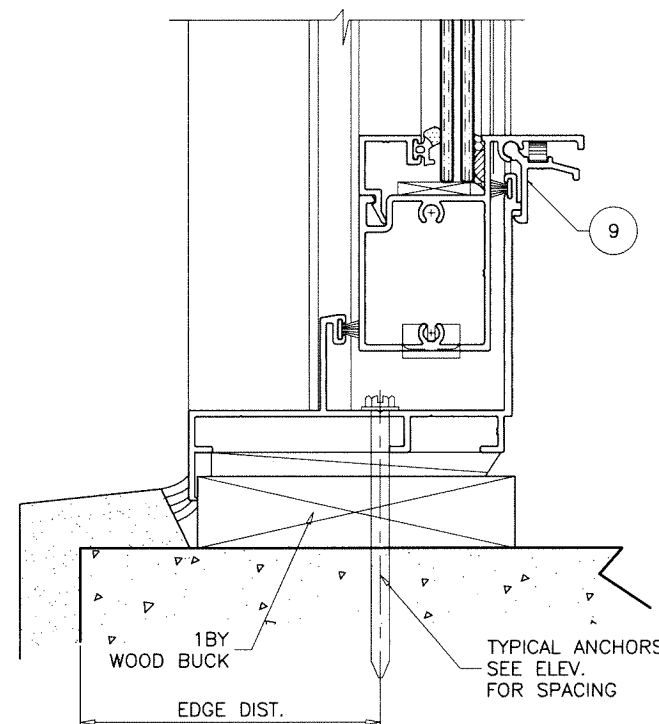
DIRECTLY INTO CONCRETE OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 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. ($F_y = 36$ KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

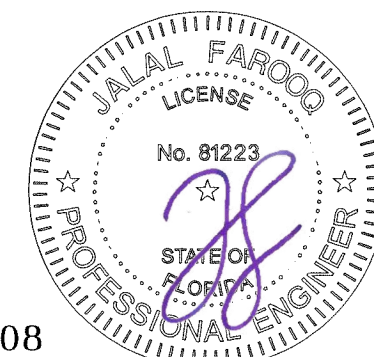
INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

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



Sealed: 1/17/2024

FL #47208

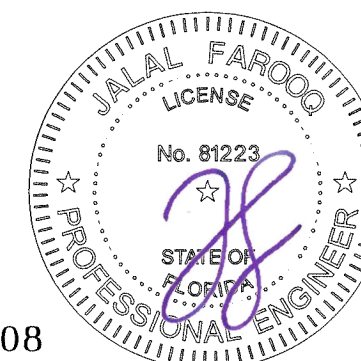
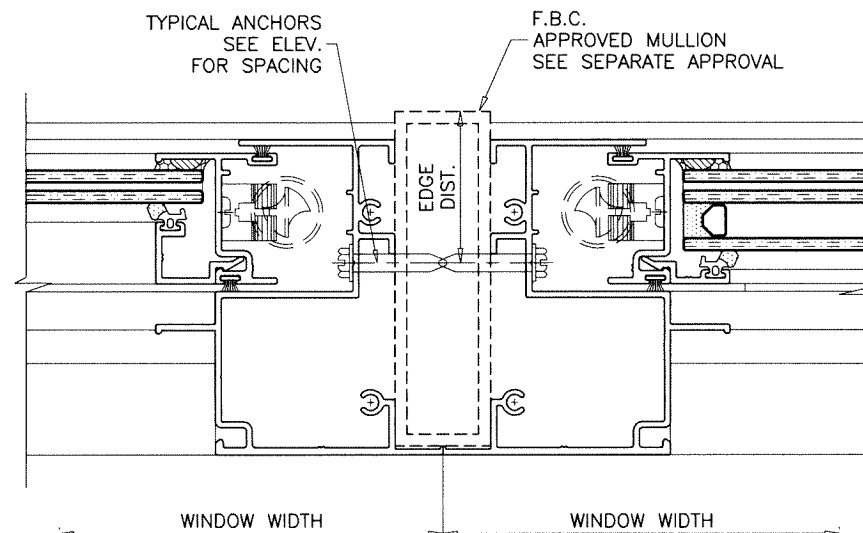
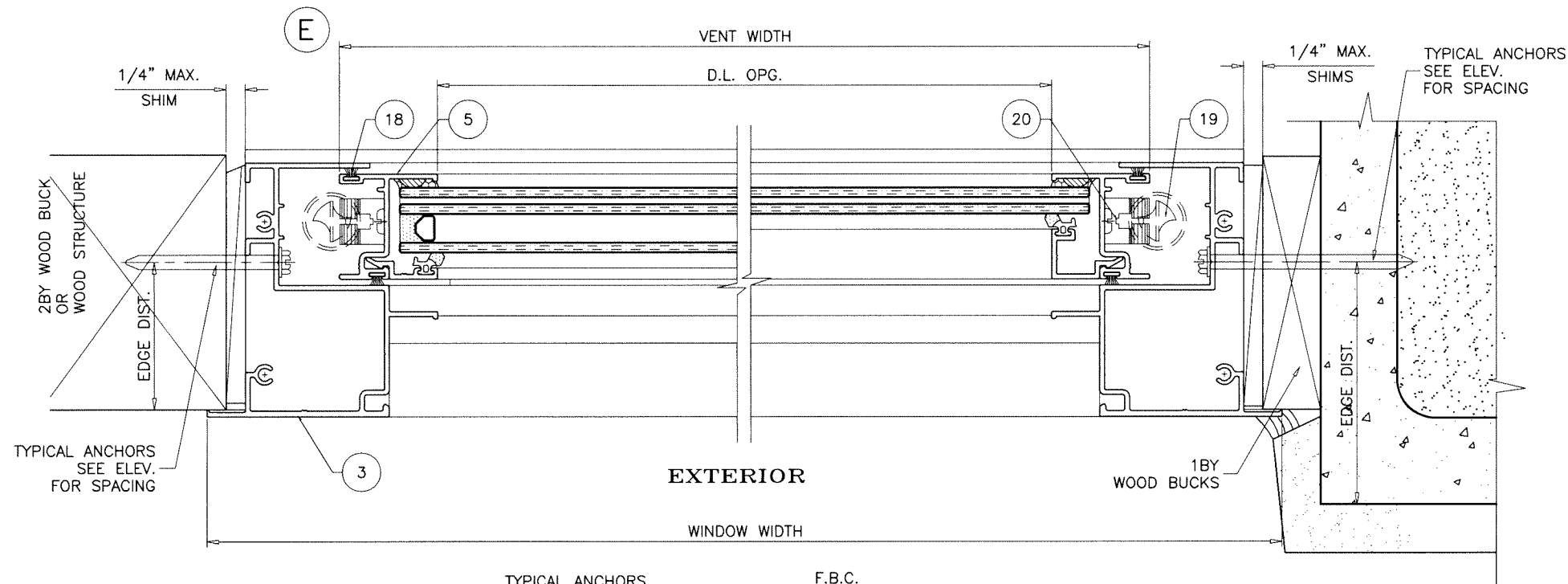
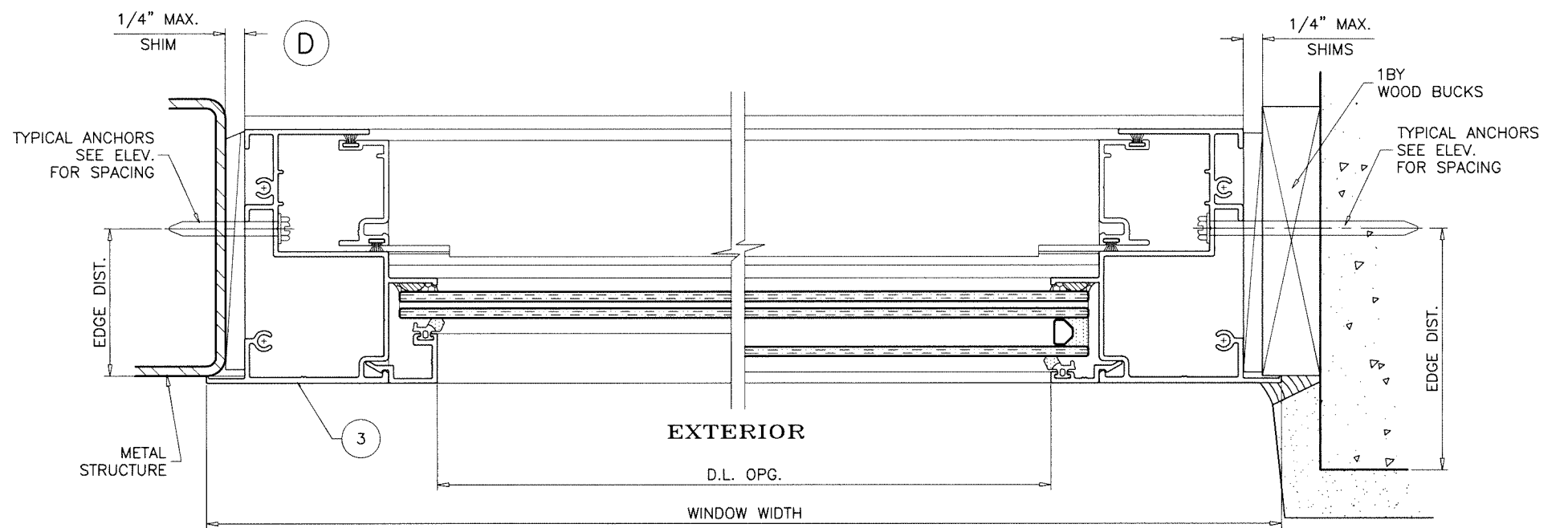


AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\24-83F-ALU

INTER-200 ALUMINUM SINGLE HUNG WDW. (L.M.I.)

Alucorp S.A. De C.V.
 Calle 2 Tablaje 17439 Int C X 21y
 25 Chichi Suarez, Merida
 Yucatan, Mexico
 Tel. (-) Fax. (-)

revisions:		no date by description	
date:	11-20-24	scale:	1/2" = 1"
dr. by:	TARIQ	chk. by:	
drawing no.		24-83F	
sheet		3 of 9	



Sealed: 1/17/2024

FL #47208

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

af c

COMP-ANL\24-83F-ALU

INTER-200 ALUMINUM SINGLE HUNG WDW. (L.M.I.)

Alucorp S.A. De C.V.
Calle 2 Tablaje 17439 Int C X 21y
25 Chichi Suarez, Merida
Yucatan, Mexico
Tel. (-) Fax. (-)

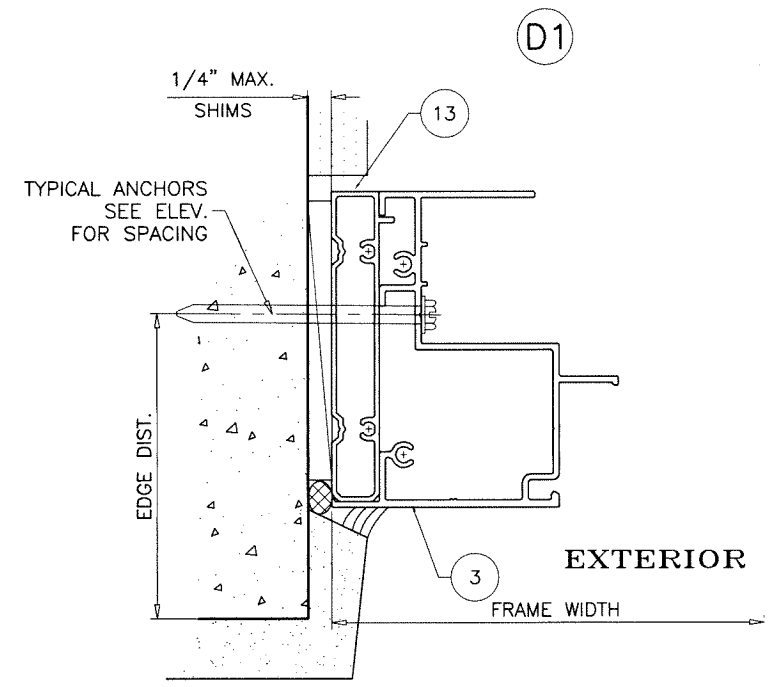
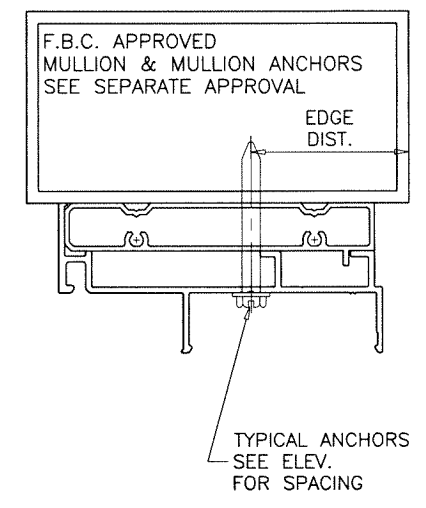
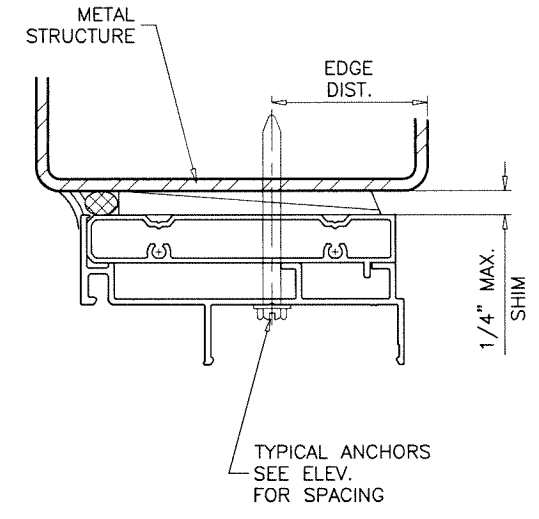
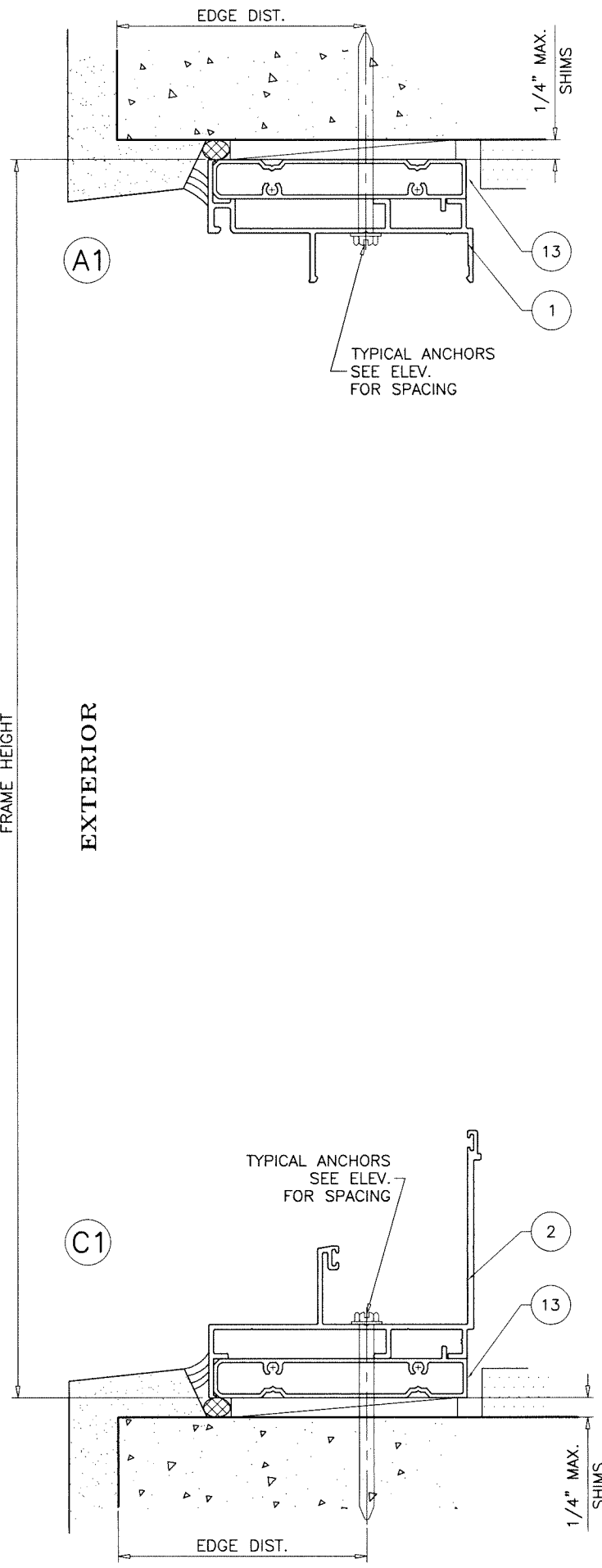
date: 11-20-24
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

revisions:

no	date	by	description

drawing no.
24-83F
sheet 4 of 9

FRAME HEIGHT
EXTERIOR



FLANGE FRAMES WITH EQUAL LEG ADAPTERS
SEE SHEETS 3 & 4 FOR WINDOW DETAILS

Sealed: 1/17/2024
FL #47208



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\24-83F-ALU

INTER-200 ALUMINUM SINGLE HUNG WDW. (L.M.I.)

Alucorp S.A. De C.V.
Calle 2 Tablaje 17439 Int C x 21y
25 Chichi Suarez, Merida
Yucatan, Mexico
Tel. (-) Fax. (-)

revisions:	
no	date by description

date: 11-20-24

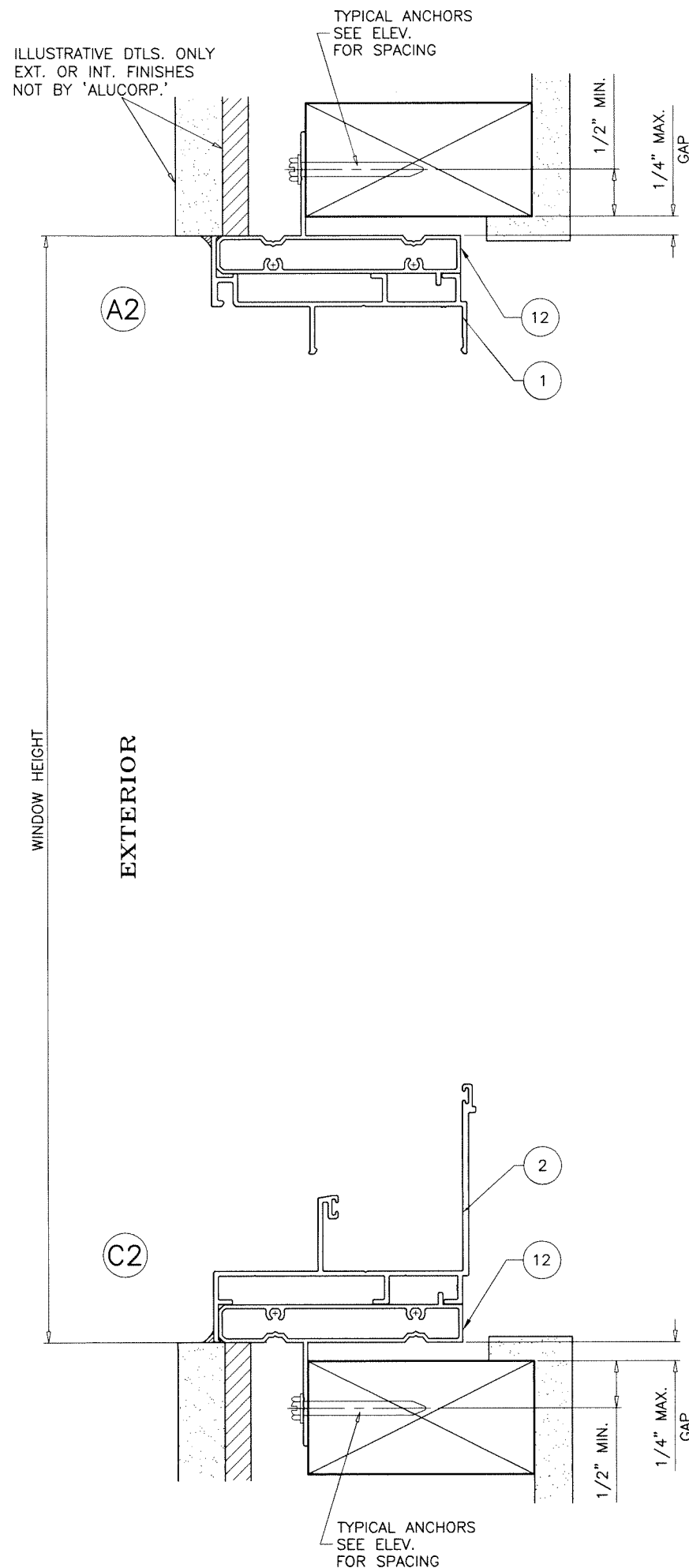
scale: 1/2" = 1"

dr. by: TARIQ

chk. by:

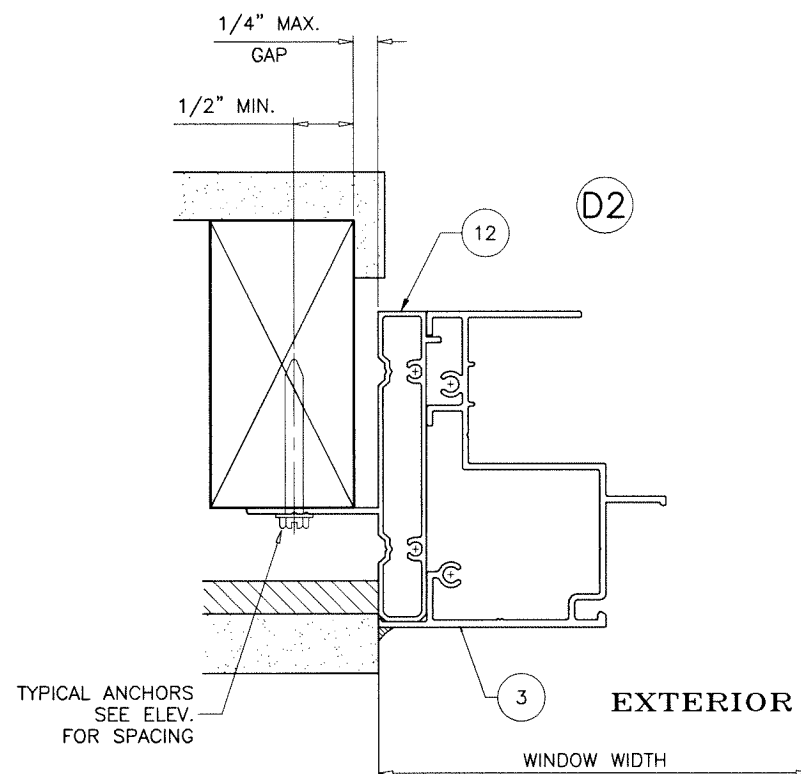
drawing no.
24-83F

sheet 5 of 9



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

#12 WOOD SCREWS (GRADE 2 CRS)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD

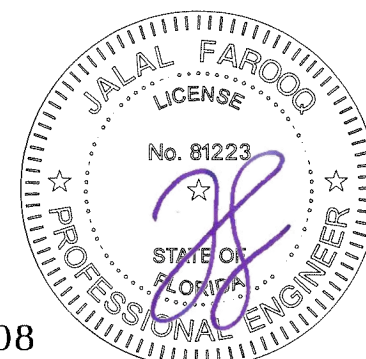


INSTALLATION DETAILS WITH FIN FRAME ADAPTER

SEE SHEETS 3 & 4 FOR WINDOW DETAILS

Sealed: 1/17/2024

FL #47208



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 24-83F-ALU

INTER-200 ALUMINUM SINGLE HUNG WDW. (L.M.I.)

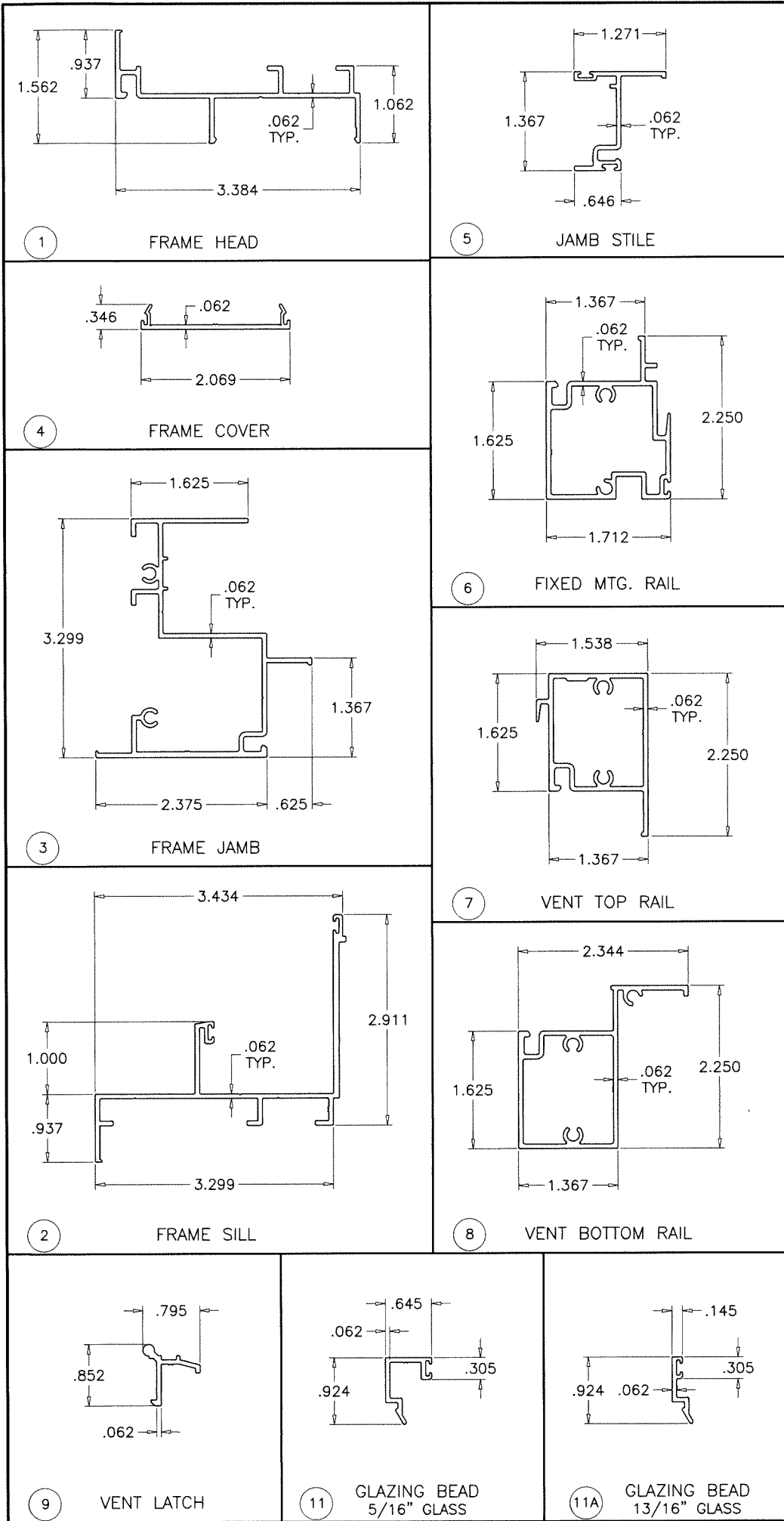
Alucorp S.A. De C.V.
Calle 2 Tablaje 17439 Int C X 21y
25 Chichi Suarez, Merida
Yucatan, Mexico
Tel. (-) Fax. (-)

revisions:	
no	date by description

date: 11-20-24
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
24-83F

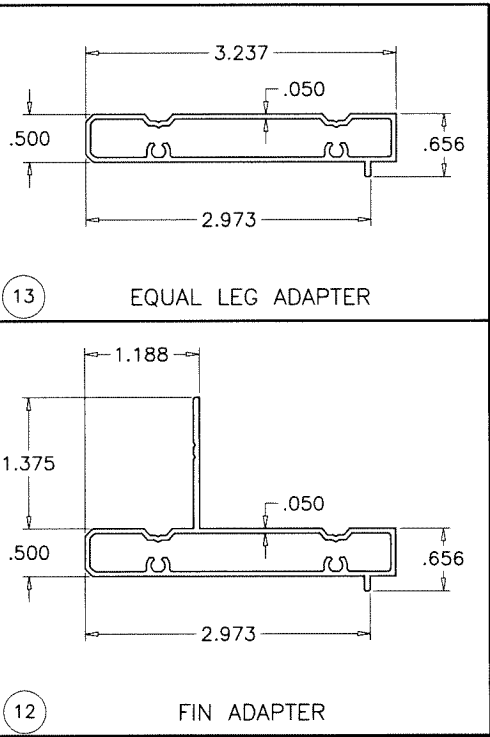
sheet 6 of 9



ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	73028	AS REQD.	FRAME HEAD	6063-T5	-
2	73030	AS REQD.	FRAME SILL	6063-T5	-
3	73031	AS REQD.	FRAME JAMB	6063-T6	-
4	73039	AS REQD.	FRAME COVER	6063-T5	-
5	73035	AS REQD.	JAMB STILE	6063-T5	-
6	73033	AS REQD.	FIXED MEETING RAIL	6063-T5	-
7	73032	AS REQD.	VENT TOP RAIL	6063-T5	-
8	73034	AS REQD.	VENT BOTTOM RAIL	6063-T5	-
9	73040	2/ VENT	VENT LATCH WITH S/S SPRING, AT 7" FROM EACH END	6063-T5	-
10	-	2/ VENT	SWEEP LOCK, AT 7" FROM EACH END	ZINC/STEEL	-
10A	#8 X 3/4"	2/ LATCH	LATCH INST. SCREWS	ST. STEEL	FH SMS
11	73036	AS REQD.	GLAZING BEAD (5/16" LAM. GLASS)	6063-T5	-
11A	73037	AS REQD.	GLAZING BEAD (13/16" INSUL. LAM. GLASS)	6063-T5	-
12	73186	AS REQD.	FIN ADAPTER	6063-T5	-
13	73038	AS REQD.	EQUAL LEG ADAPETR	6063-T5	-
14	-	AS REQD.	GLAZING GASKET	-	-
15	-	AS REQD.	BUMPER SPACER	SILICONE	-
16	-	AS REQD.	SETTING BLOCKS (1/8" X 3/4" X 4") AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
17	-	AS REQD.	DRAIN VALVE	PLASTIC	-
18	-	AS REQD.	FIN SEAL W'STRIPPING (.187" X .250")	POLYPROPYLENE	-
19	-	2/ VENT	ULTRALIFT SPIRAL BALANCE	-	-
20	-	2/ VENT	UEK BRACKET	-	-
21	#10 X 1-1/2"	AS REQD.	FRAME/VENT ASSEMBLY SCREWS	CRS	PH SMS
22	-	4/ VENT	VENT GUIDES AT TOP AND BOTTOM	PLASTIC	-
22A	#8 X 1/2"	1/ GUIDE	GUIDE FASTENERS	ST. STEEL	FH SMS
23	-	-	-	-	-

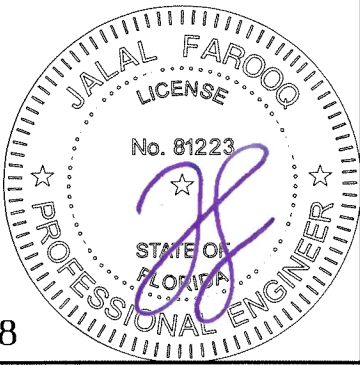
SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE/ALUMINUM COLORED SILICONE.



Sealed: 1/17/2024

FL #47208



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)

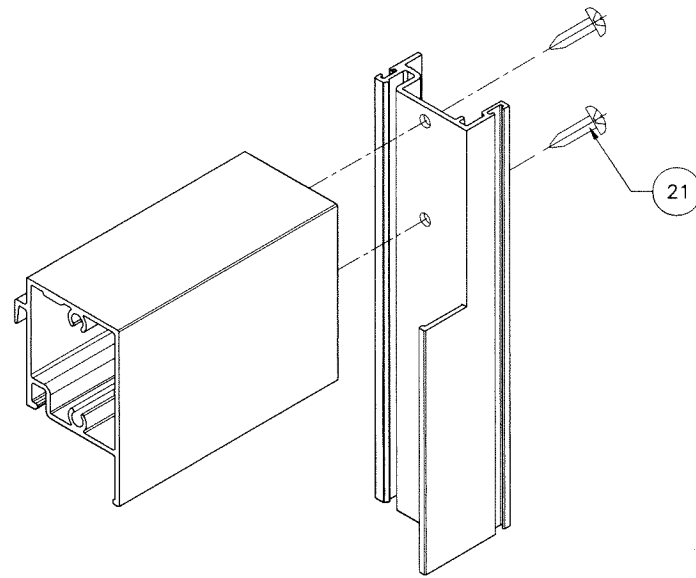
INTER-200 ALUMINUM SINGLE HUNG WDW. (L.M.I.)

Alucorp S.A. De C.V.
Calle 2 Tablaje 17439 Int C X 21y
25 Chichi Suarez, Merida
Yucatan, Mexico
Tel. (-) Fax. (-)

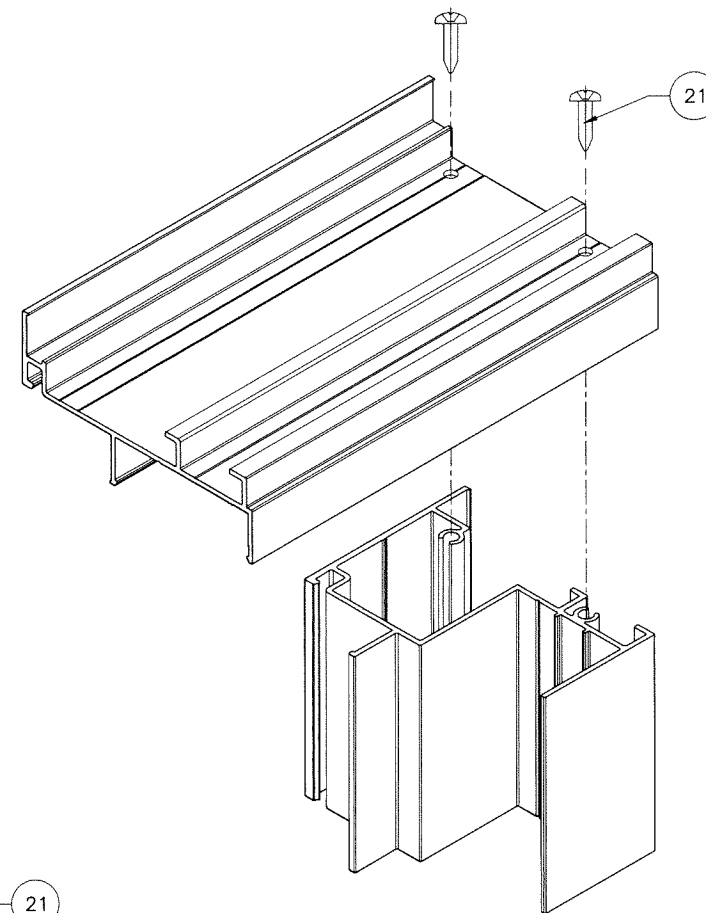
revisions:
no. date by description

date: 11-20-24
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

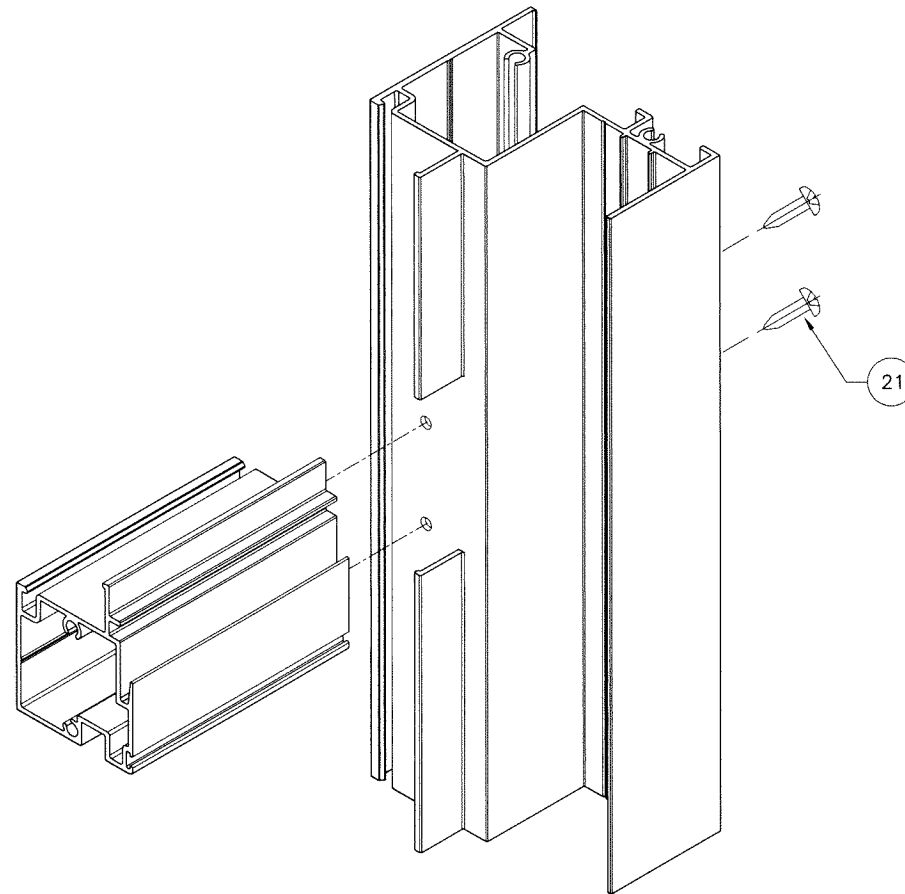
drawing no.
24-83F
sheet 7 of 9



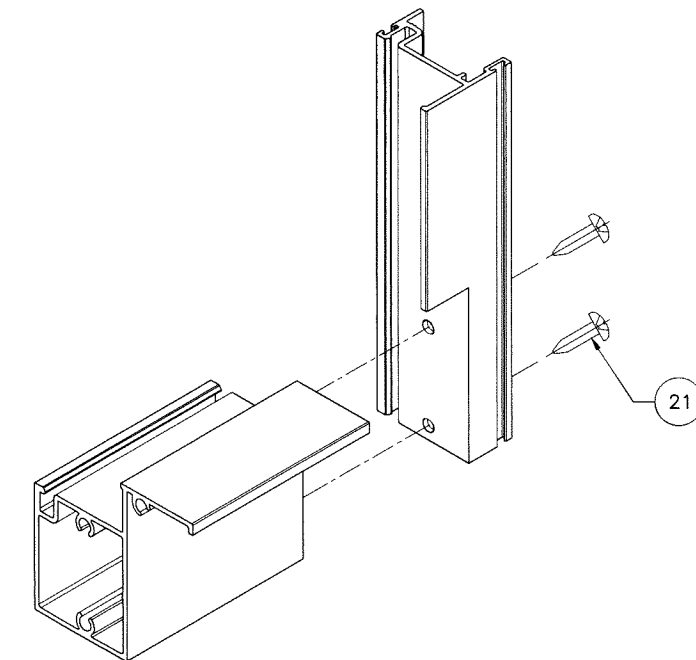
VENT TOP CORNERS



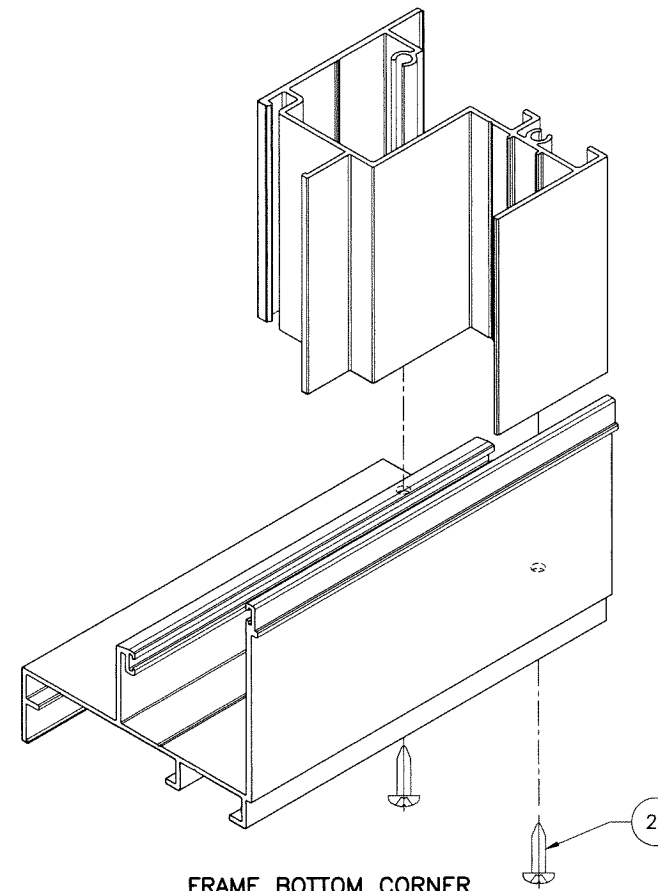
FRAME TOP CORNER



FIXED RAIL CORNER

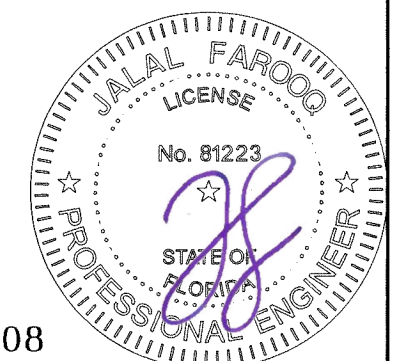


VENT BOTTOM CORNERS



FRAME BOTTOM CORNER

Sealed: 1/17/2024



FL #47208

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

a f c
COMP-ANL\24-83F-ALU

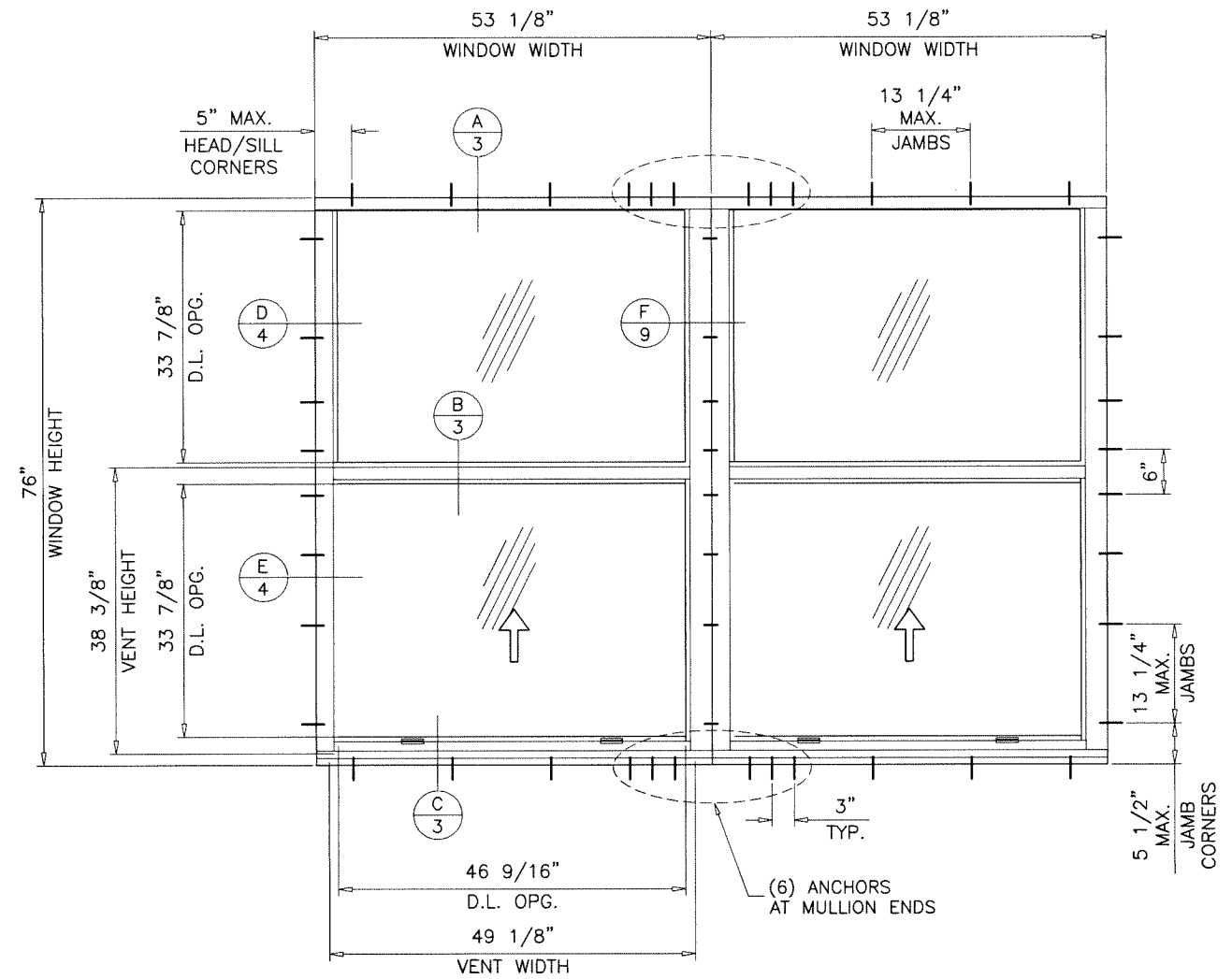
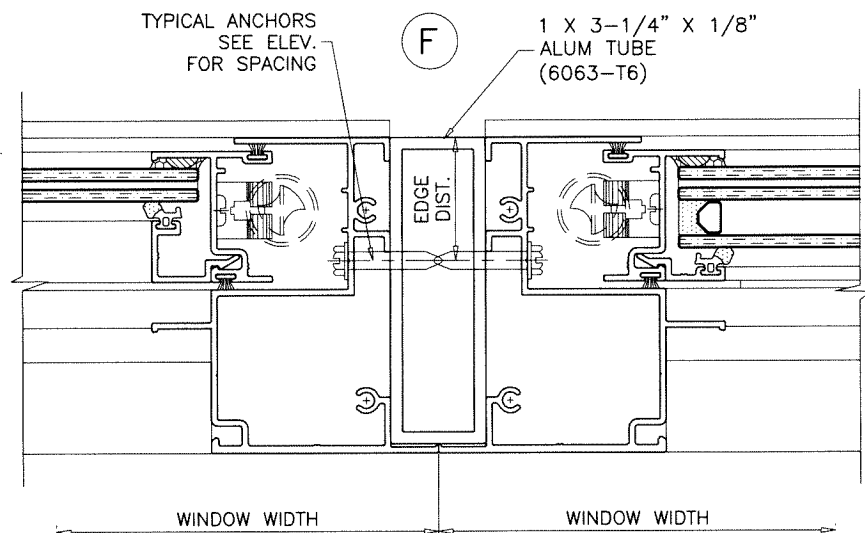
INTER-200 ALUMINUM SINGLE HUNG WDW. (L.M.I.)

Alucorp S.A. De C.V.
Calle 2 Tablaje 17439 Int C X 21y
25 Chichi Suarez, Merida
Yucatan, Mexico
Tel. (-) Fax. (-)

revisions:	
no	date by description

date: 11-20-24
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
24-83F
sheet 8 of 9



MAXIMUM DESIGN LOAD RATING = + 70.0 PSF
(FOR SIZES SHOWN ABOVE OR SMALLER) - 80.0 PSF

Sealed: 1/17/2024

FL #47208



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

af c

COMP-ANL/24-83F-ALU

INTER-200 ALUMINUM SINGLE HUNG WDW. (L.M.I.)

Alucorp S.A. De C.V.
Calle 2 Tablaje 17439 Int C X 21y
25 Chichi Suarez, Merida
Yucatan, Mexico
Tel. (-) Fax. (-)

revisions:	
no	date by description

date: 11-20-24
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
24-83F
sheet 9 of 9