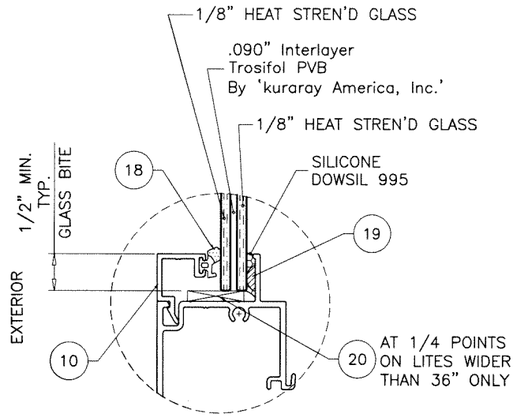
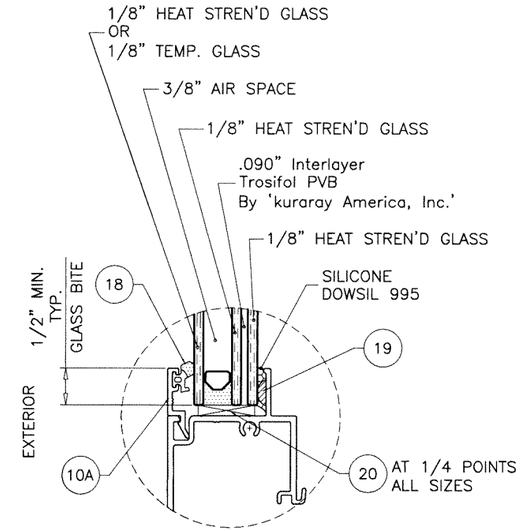


GLASS TYPE 'A'
5/16" OVERALL LAM. GLASS



GLASS TYPE 'Ai'
13/16" OVERALL INSUL. LAM. GLASS

GLAZING OPTIONS

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

INTER-100 ALUMINUM HORIZONTAL SLIDING WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 3.

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 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.

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

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

Sealed: 12/19/2024

FL #47207

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.

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

afc
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\24-82F-ALU

INTER-100 HORIZONTAL SLIDING 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. (-)

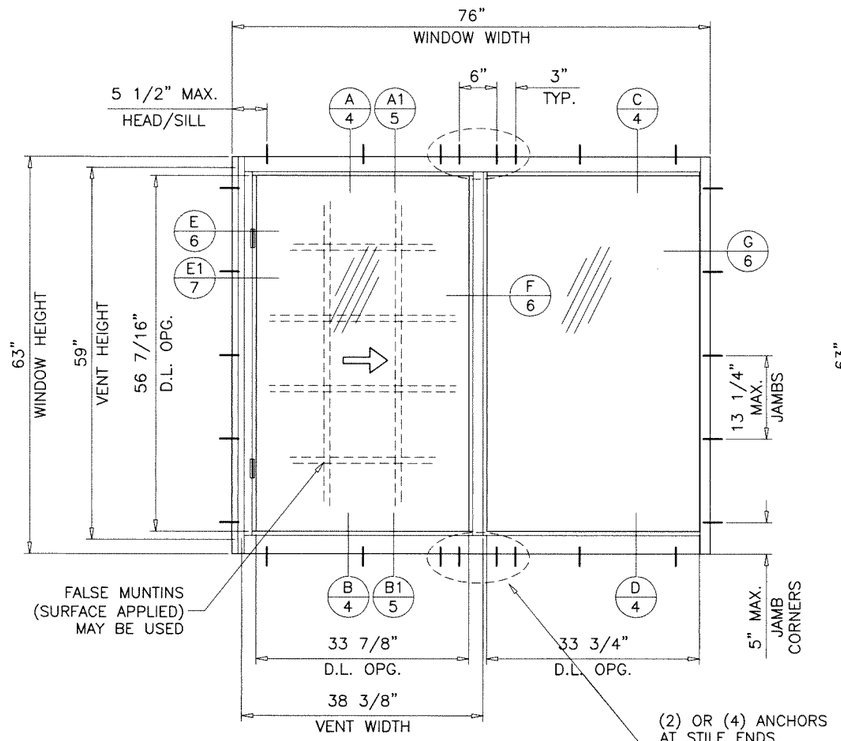
revisions:

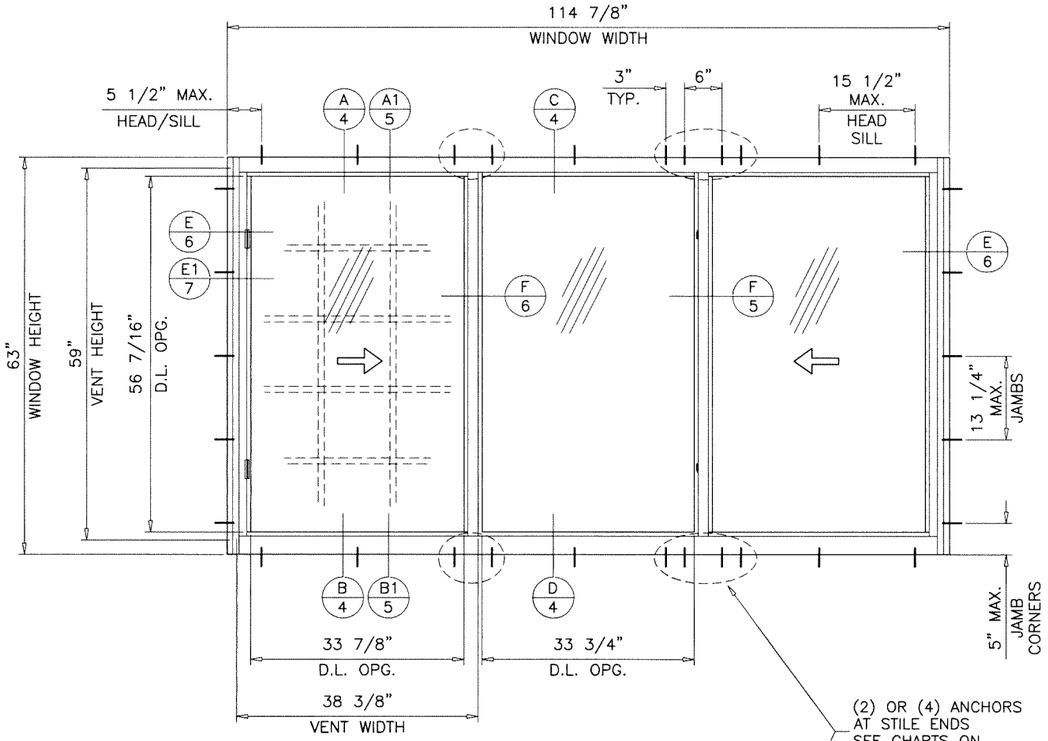
no	date	by	description

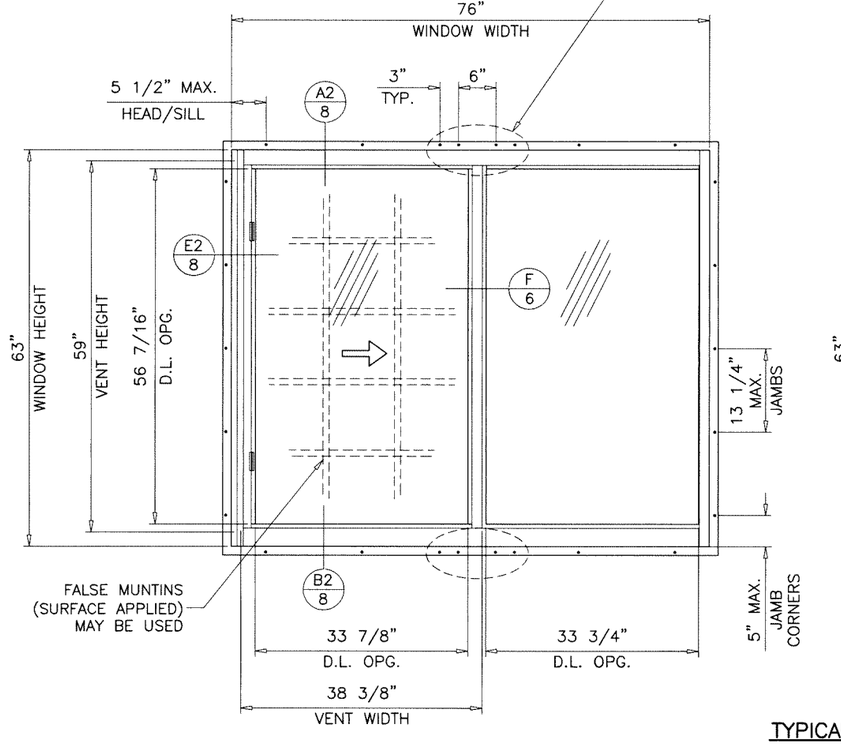
date: 11-14-24
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

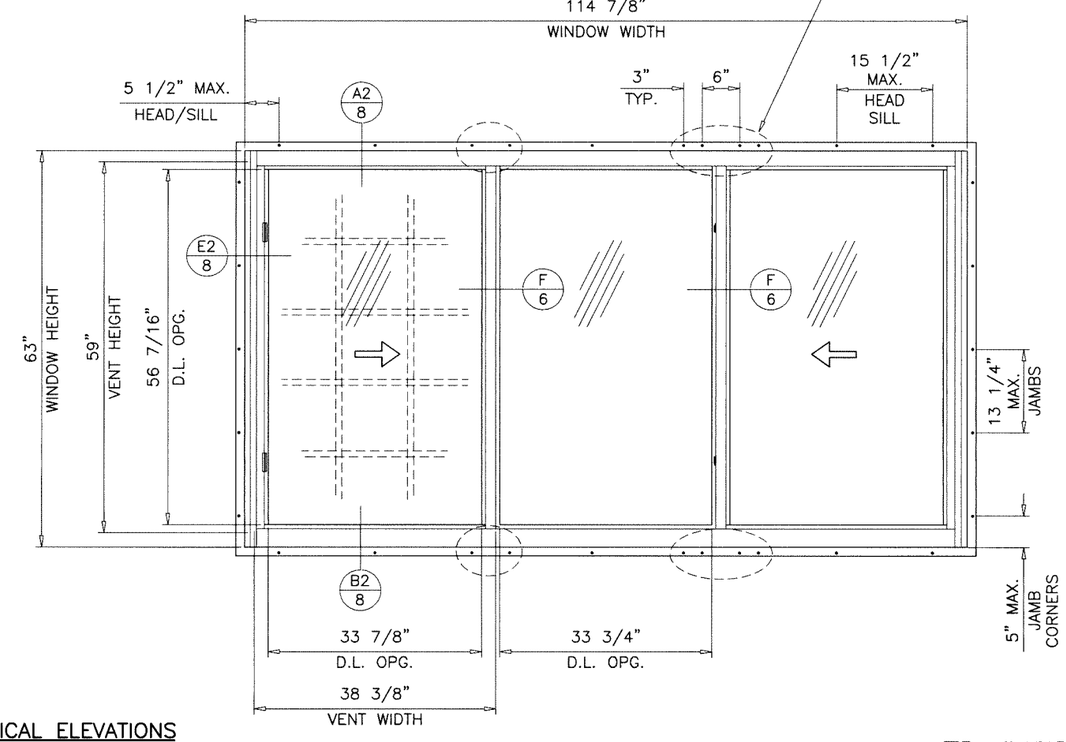
drawing no. 24-82F

sheet 1 of 12









TYPICAL ELEVATIONS
(TESTED UNITS)

Sealed: 12/19/2024

JALAL FAROOQ
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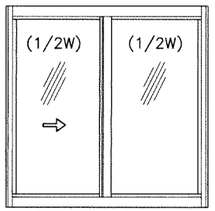
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
24-82F

sheet 2 of 12

DESIGN LOAD CAPACITY – PSF (XO OR OX SIZES)

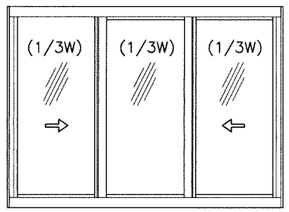
WINDOW DIMS.		2 ANCHORS AT STILE ENDS		4 ANCHORS AT STILE ENDS	
WIDTH	HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
26–1/2"	26"	70.0	80.0	70.0	80.0
37"		70.0	80.0	70.0	80.0
53–1/8"		70.0	80.0	70.0	80.0
63"		70.0	80.0	70.0	80.0
76"		70.0	80.0	70.0	80.0
26–1/2"	38–3/8"	70.0	80.0	70.0	80.0
37"		70.0	80.0	70.0	80.0
53–1/8"		70.0	80.0	70.0	80.0
63"		70.0	80.0	70.0	80.0
76"		66.8	66.8	70.0	80.0
26–1/2"	50–5/8"	70.0	80.0	70.0	80.0
37"		70.0	80.0	70.0	80.0
53–1/8"		70.0	72.4	70.0	80.0
63"		61.0	61.0	70.0	80.0
76"		50.6	50.6	70.0	80.0
26–1/2"	56"	70.0	80.0	70.0	80.0
37"		70.0	80.0	70.0	80.0
53–1/8"		65.4	65.4	70.0	80.0
63"		55.2	55.2	70.0	80.0
76"		45.7	45.7	70.0	80.0
26–1/2"	63"	70.0	80.0	70.0	80.0
37"		70.0	80.0	70.0	80.0
53–1/8"		58.2	58.2	70.0	80.0
63"		49.1	49.1	70.0	80.0
76"		40.7	40.7	70.0	80.0
24"	36"	70.0	80.0	70.0	80.0
36"		70.0	80.0	70.0	80.0
48"		70.0	80.0	70.0	80.0
60"		70.0	80.0	70.0	80.0
72"		70.0	75.1	70.0	80.0
78"		69.3	69.3	70.0	80.0
84"		64.4	64.4	70.0	80.0
24"	48"	70.0	80.0	70.0	80.0
36"		70.0	80.0	70.0	80.0
48"		70.0	80.0	70.0	80.0
60"		67.6	67.6	70.0	80.0
72"		56.3	56.3	70.0	80.0
78"		52.0	52.0	70.0	80.0
84"		48.3	48.3	70.0	80.0
24"	60"	70.0	80.0	70.0	80.0
36"		70.0	80.0	70.0	80.0
48"		67.6	67.6	70.0	80.0
60"		54.1	54.1	70.0	80.0
72"		45.1	45.1	70.0	80.0
78"		41.6	41.6	70.0	80.0



OPERATING VENTS TO BE 1/2 OF THE WDW. W.
'XO OR OX'

DESIGN LOAD CAPACITY – PSF (XOX SIZES)

WINDOW DIMS.		2 ANCHORS AT STILE ENDS		4 ANCHORS AT STILE ENDS	
WIDTH	HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
70"	26"	56.7	80.0	56.7	80.0
106–1/4"		56.7	80.0	56.7	80.0
112"		56.7	80.0	56.7	80.0
115"		56.7	80.0	56.7	80.0
70"	38–3/8"	56.7	80.0	56.7	80.0
106–1/4"		56.7	71.6	56.7	80.0
112"		56.7	67.9	56.7	80.0
115"		56.7	66.2	56.7	80.0
70"	50–5/8"	56.7	78.0	56.7	80.0
106–1/4"		54.3	54.3	56.7	80.0
112"		51.5	51.5	56.7	80.0
115"		50.2	50.2	56.7	80.0
70"	56"	56.7	70.5	56.7	80.0
106–1/4"		49.1	49.1	56.7	80.0
112"		46.6	46.6	56.7	80.0
115"		45.3	45.3	56.7	80.0
70"	63"	56.7	62.6	56.7	80.0
106–1/4"		43.6	43.6	56.7	80.0
112"		41.4	41.4	56.7	80.0
115"		40.3	40.3	56.7	80.0
72"	36"	56.7	80.0	56.7	80.0
84"		56.7	80.0	56.7	80.0
96"		56.7	80.0	56.7	80.0
108"		56.7	75.1	56.7	80.0
120"		56.7	67.6	56.7	80.0
72"	48"	56.7	80.0	56.7	80.0
84"		56.7	72.4	56.7	80.0
96"		56.7	63.4	56.7	80.0
108"		56.3	56.3	56.7	80.0
120"		50.7	50.7	56.7	80.0
72"	60"	56.7	67.6	56.7	80.0
84"		56.7	57.9	56.7	80.0
96"		50.7	50.7	56.7	80.0
108"		45.1	45.1	56.7	80.0
120"		40.6	40.6	56.7	80.0



OPERATING VENTS TO BE 1/3 OF THE WDW. W.
'XOX'

Sealed: 12/19/2024

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FL #47207

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\24–82F–ALU

INTER–100 HORIZONTAL SLIDING 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

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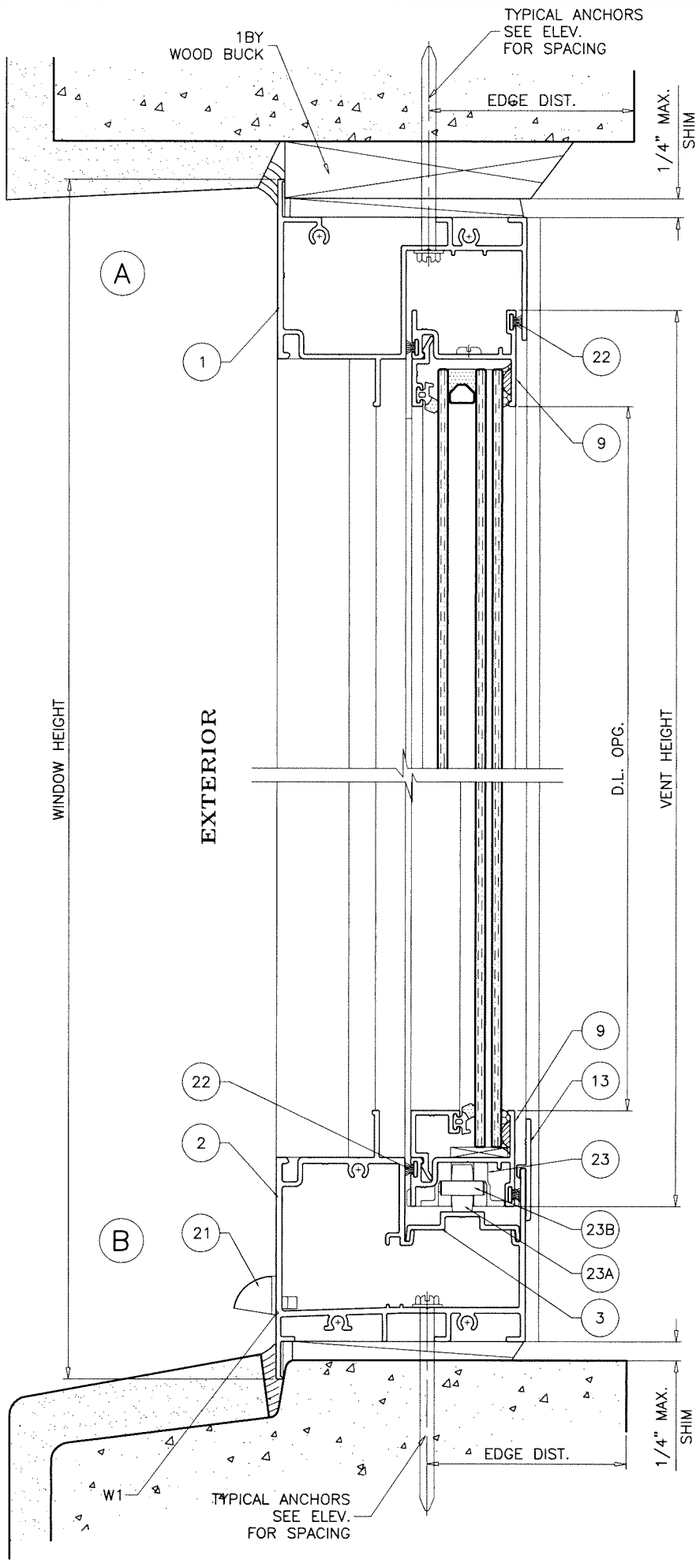
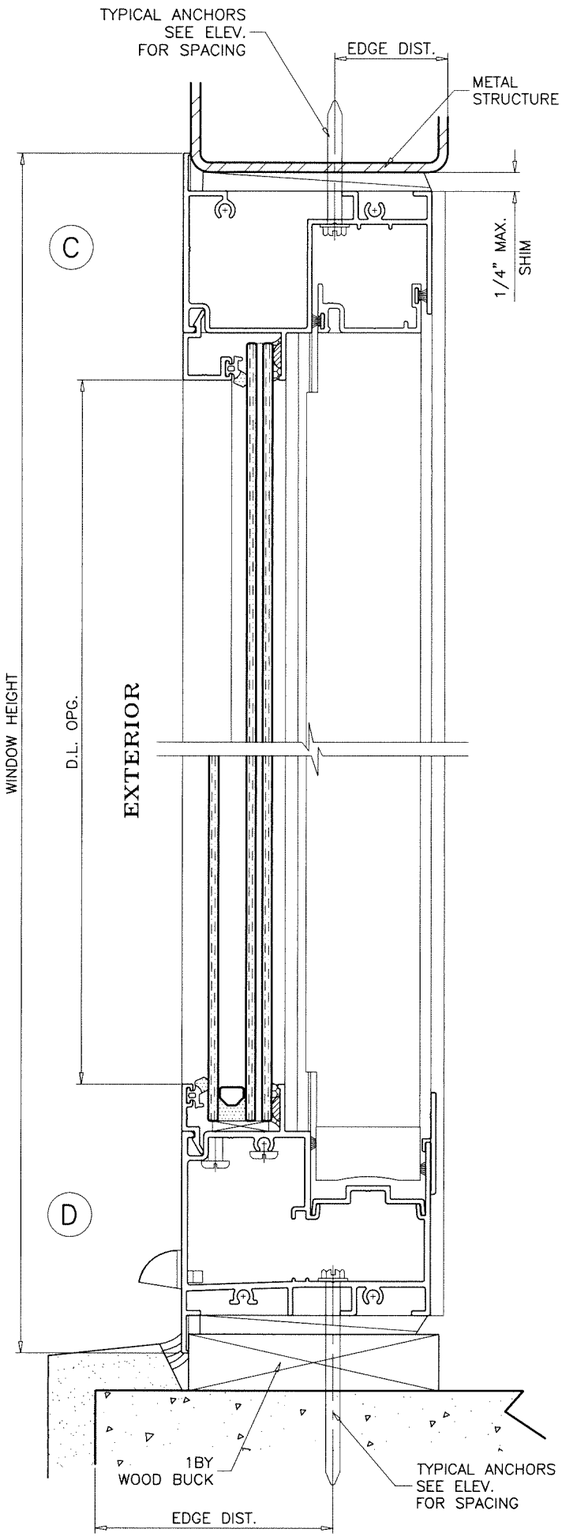
dr. by: TARIQ
chk. by:

drawing no. 24–82F

sheet 3 of 12





WEEPHOLES:

W1 = 1/4" X 1-3/4" LONG WEEP SLOTS WITH PLASTIC BAFFLE
(2) PER VENT AT 36" O.C. MAX.

Sealed: 12/19/2024

JALAL FAROOQ
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No. 81223
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FL #47207

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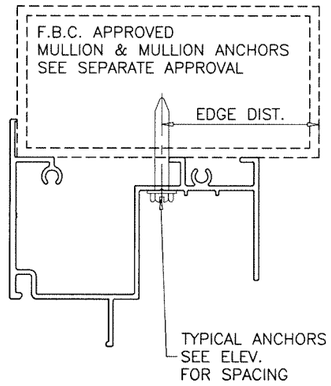
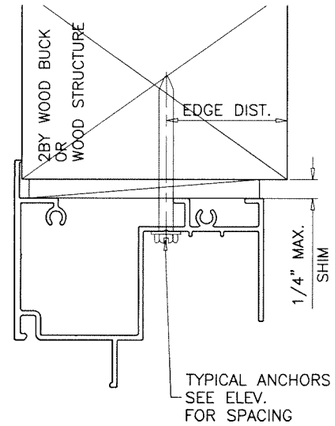
drawing no.
24-82F

sheet 4 of 12





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

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. 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. (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 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

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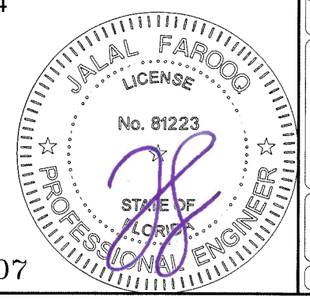

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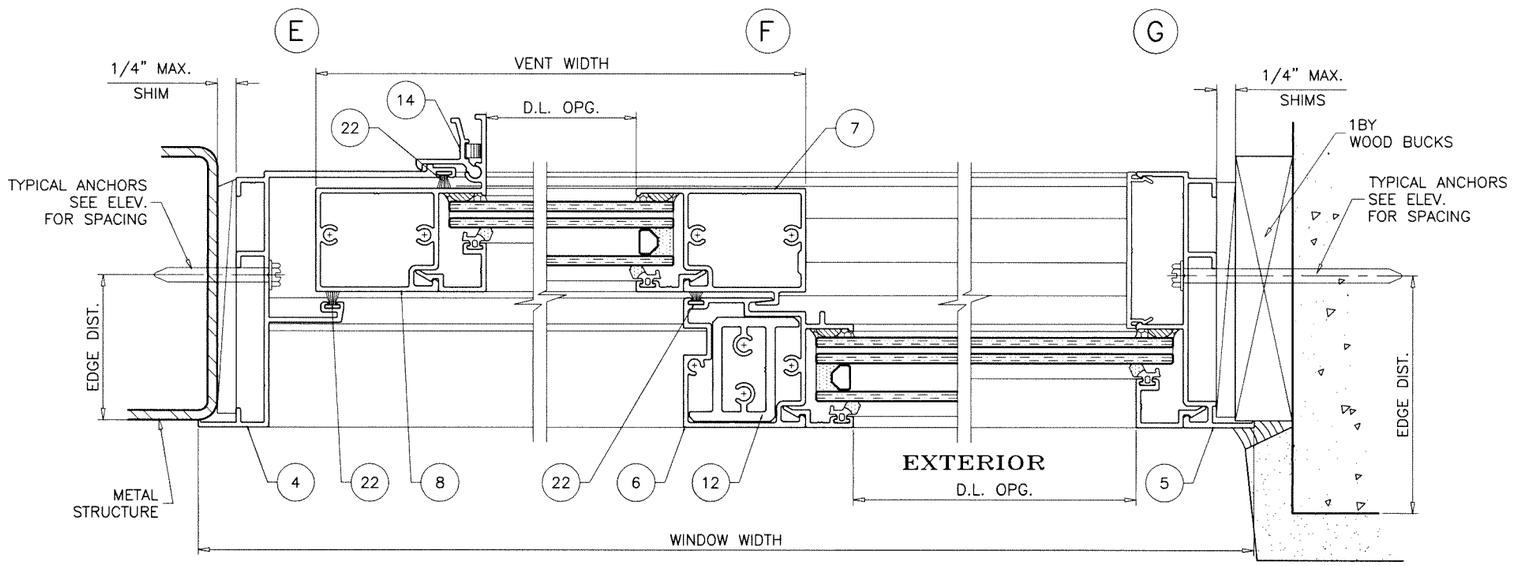
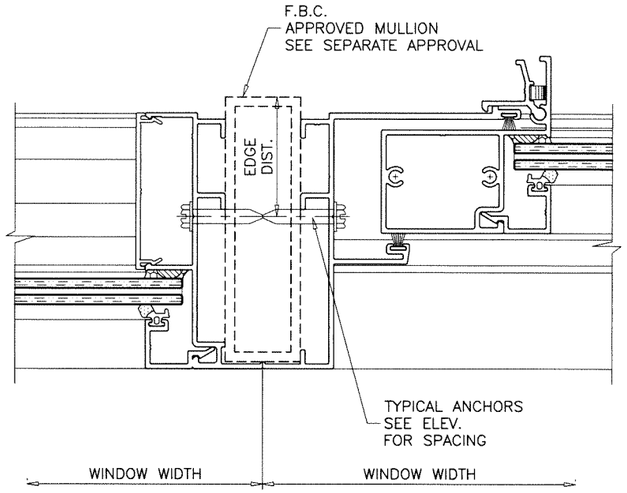
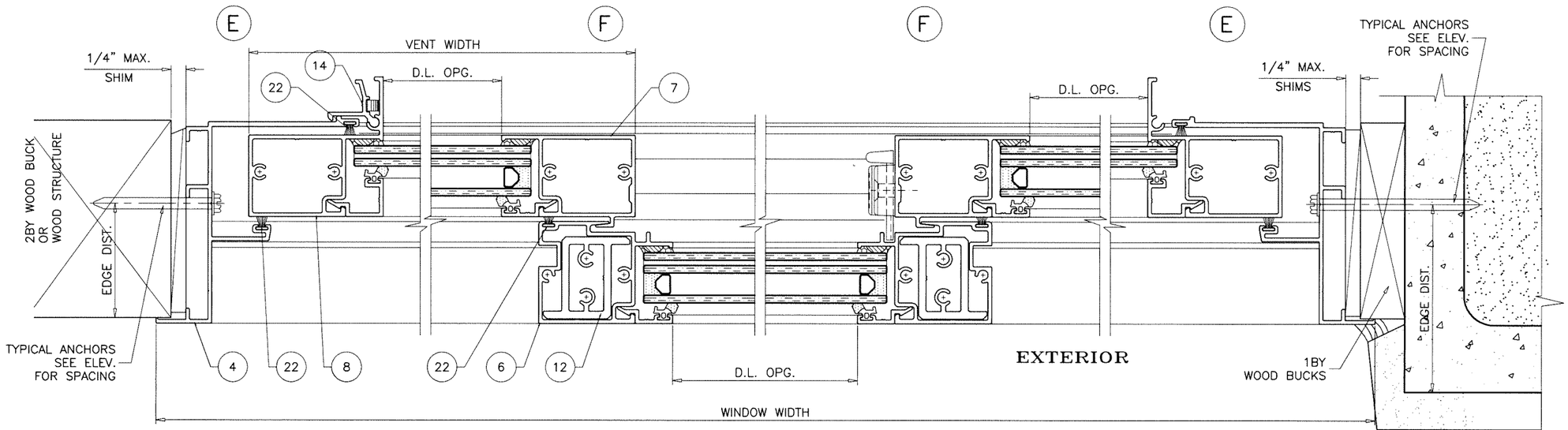
sheet 5 of 12



XO LAYOUT





XOX LAYOUT

Sealed: 12/19/2024

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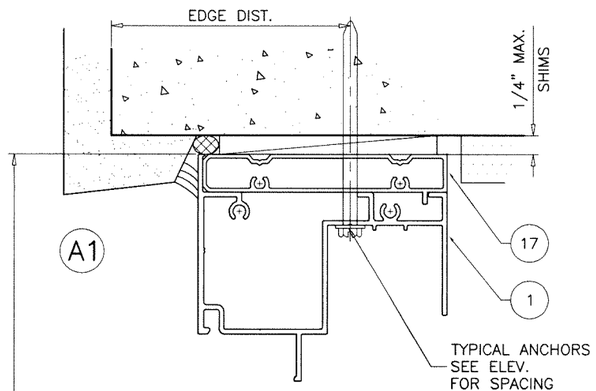
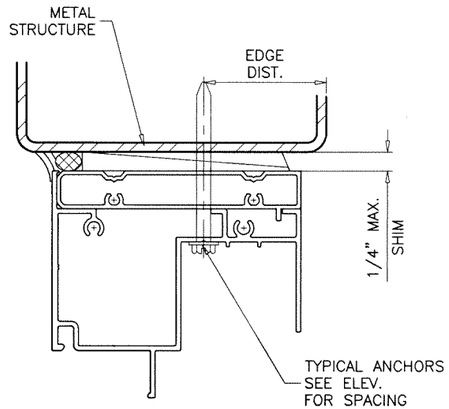
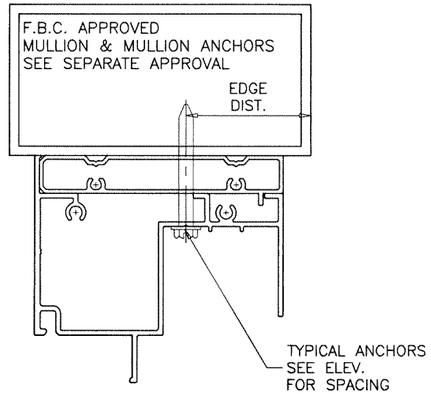
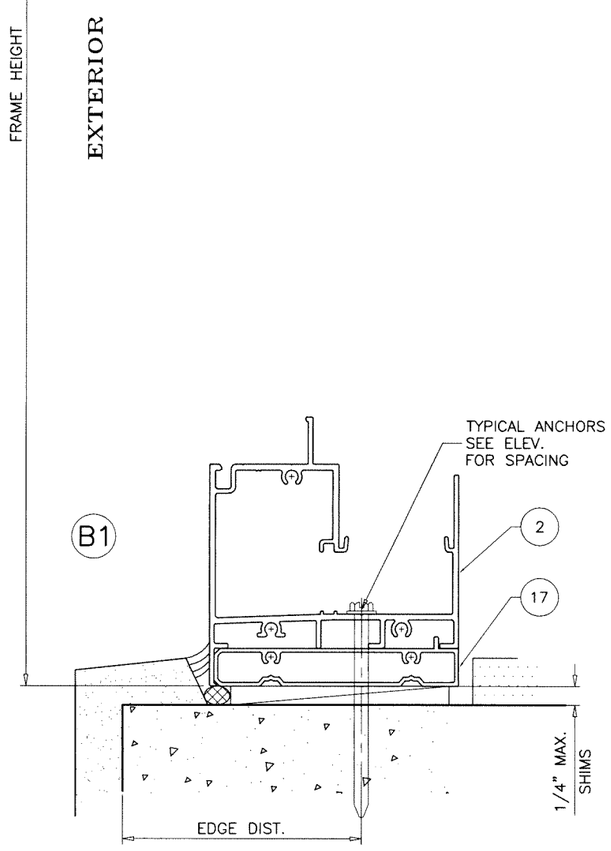
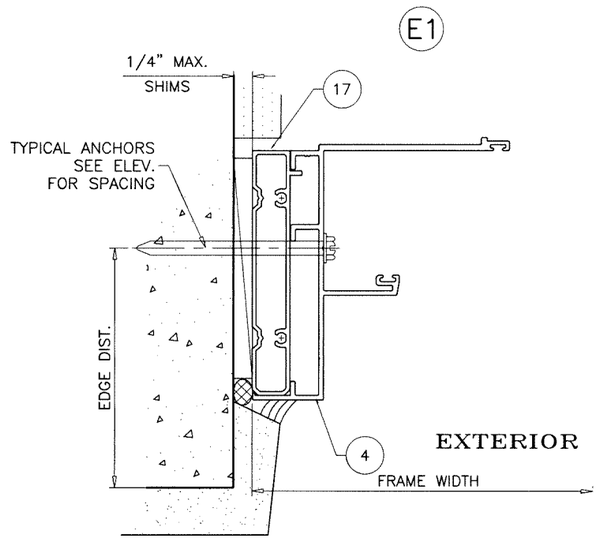
sheet 6 of 12











FLANGE FRAMES WITH EQUAL LEG ADAPTERS

SEE SHEETS 4 & 6 FOR WINDOW DETAILS

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JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL #47207

AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 *(C.A.N. 3538)*
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\24-82F-ALU

INTER-100 HORIZONTAL SLIDING WDW. (L.M.I.)

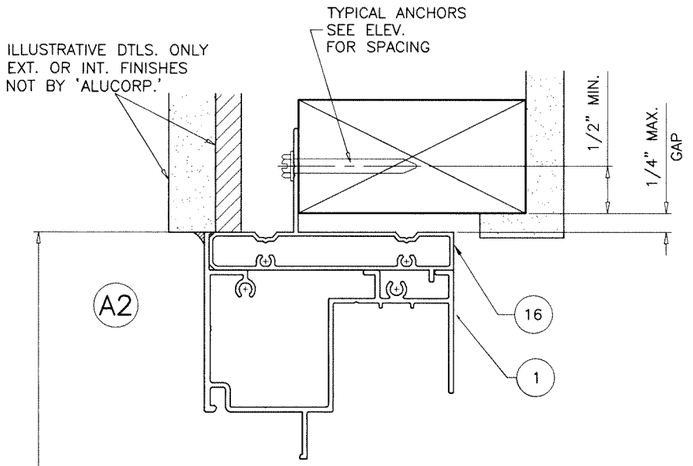
Alucorp S.A. De C.V.
Calle 2 Tablaje 17439 Int C x 21y
25 Chichi Suarez, Merida
Yucatan, Mexico
Tel. (-) Fax. (-)

revisions:			
no	date	by	description

date: 11-14-24
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no. 24-82F

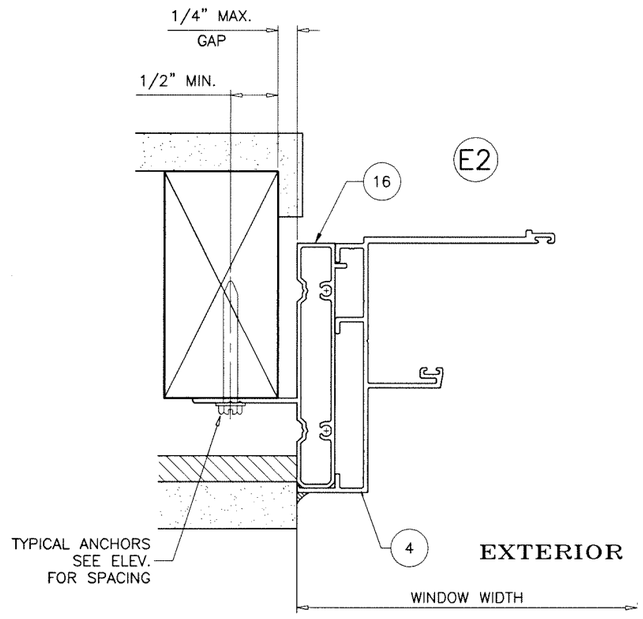
sheet 7 of 12



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

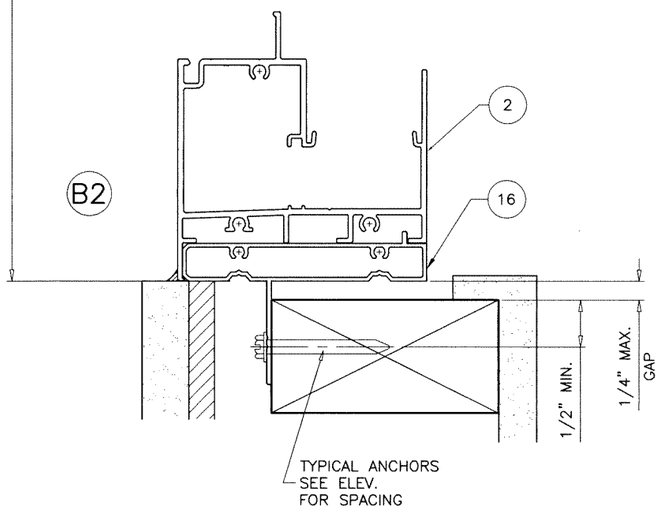
#12 WOOD SCREWS (GRADE 2 CRS)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD



WINDOW HEIGHT

EXTERIOR



INSTALLATION DETAILS WITH FIN FRAME ADAPTER

SEE SHEETS 4 & 6 FOR WINDOW DETAILS

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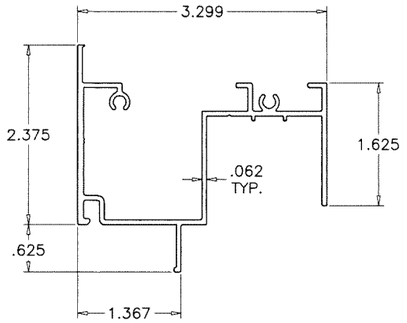
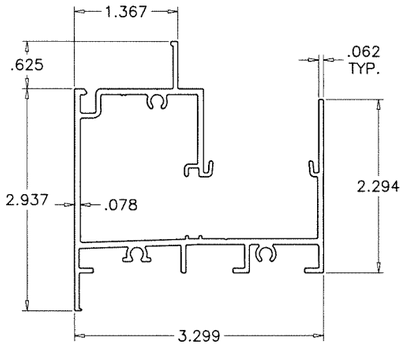
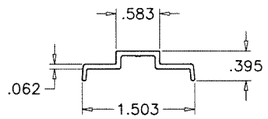


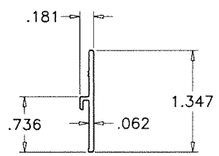
1 FRAME HEAD



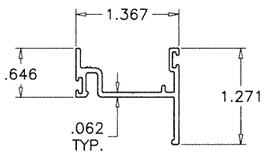
2 FRAME SILL



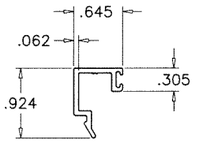
3 SILL TRACK



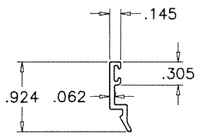
13 SILL RISER



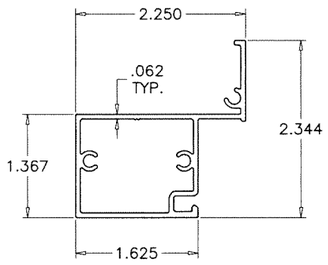
9 VENT TOP/BOTTOM RAIL



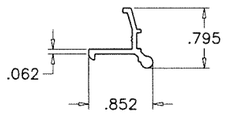
10 GLAZING BEAD 5/16" GLASS



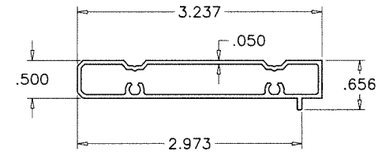
10A GLAZING BEAD 13/16" GLASS



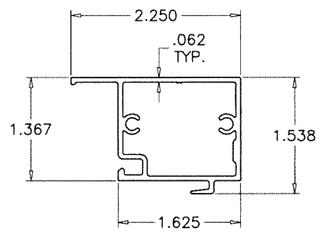
8 JAMB STILE



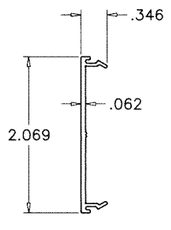
14 VENT LATCH



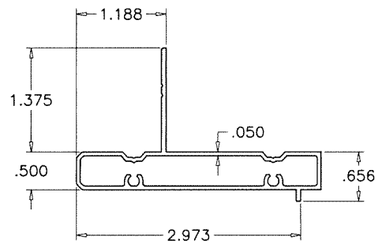
17 EQUAL LEG ADAPTER



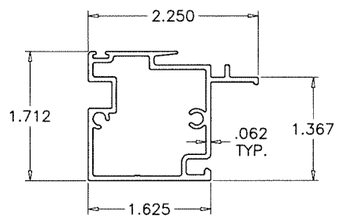
7 VENT INTERLOCK



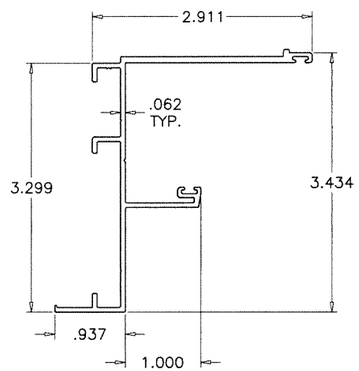
11 JAMB COVER



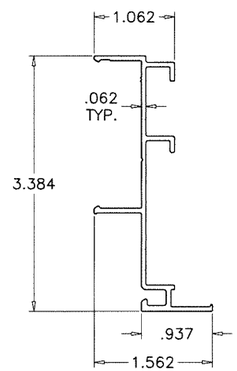
16 FIN ADAPTER



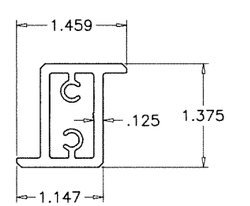
6 FIXED MTG. STILE



4 MOVING FRAME JAMB



5 FIXED FRAME JAMB



12 MTG. STILE REINF.

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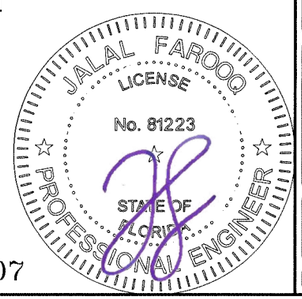

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chk. by:

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ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	73031	AS REQD.	FRAME HEAD	6063–T5	–
2	73041	AS REQD.	FRAME SILL	6063–T6	–
3	73045	AS REQD.	SILL TRACK INSERT	6063–T5	–
4	73030	AS REQD.	FRAME JAMB (VENT SIDE)	6063–T6	–
5	73028	AS REQD.	FRAME JAMB (FIX. SIDE)	6063–T6	–
6	73033	AS REQD.	FIXED MEETING STILE	6063–T5	–
7	73032	AS REQD.	VENT INTERLOCK	6063–T5	–
8	73034	AS REQD.	JAMB STILE	6063–T5	–
9	73035	AS REQD.	VENT TOP/BOTTOM RAIL	6063–T5	–
10	73036	AS REQD.	GLAZING BEAD (5/16" LAM. GLASS)	6063–T5	–
10A	73037	AS REQD.	GLAZING BEAD (13/16" INSUL. LAM. GLASS)	6063–T5	–
11	73039	AS REQD.	JAMB COVER	6063–T5	–
12	73043	AS REQD.	MTG. STILE REINF.	6063–T5	–
13	73044	AS REQD.	SILL RISER	6063–T5	–
14	73040	2/ VENT	VENT LATCH WITH S/S SPRING, AT 30" O.C. MAX.	6063–T5	–
15	–	2/ VENT	SWEEP LOCK, AT 30" O.C. MAX.	ZINC/STEEL	–
15A	#8 X 5/16"	2/ LATCH	LATCH INST. SCREWS	ST. STEEL	FH SMS
16	73186	AS REQD.	FIN ADAPTER	6063–T6	–
17	73038	AS REQD.	EQUAL LEG ADAPETR	6063–T6	–
18	–	AS REQD.	GLAZING GASKET	–	–
19	–	AS REQD.	BUMPER SPACER	SILICONE	–
20	–	AS REQD.	SETTING BLOCKS (1/8" X 3/4" X 4") AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
21	–	AS REQD.	DRAIN VALVE	PLASTIC	–
22	–	AS REQD.	FIN SEAL W'STRIPPING (.187" X .250")	POLYPROPYLENE	–
23	AC–018	2/ VENT	ROLLER HOUSING AND GUIDE	DELRIN/NYLON	–
23A	AC–019	2/ ASSY.	ROLLER	BRASS	–
23B	AC–020	2/ ASSY.	ROLLER AXLE	ST. STEEL	–
24	#10 X 1–1/2"	AS REQD.	FRAME/VENT ASSEMBLY SCREWS	CRS	PH SMS
25	#10 X 2–1/2"	AS REQD.	FIX. RAIL SILL SCREWS (SILL END)	CRS	PH SMS
26	–	–	–	–	–

SEALANT:

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

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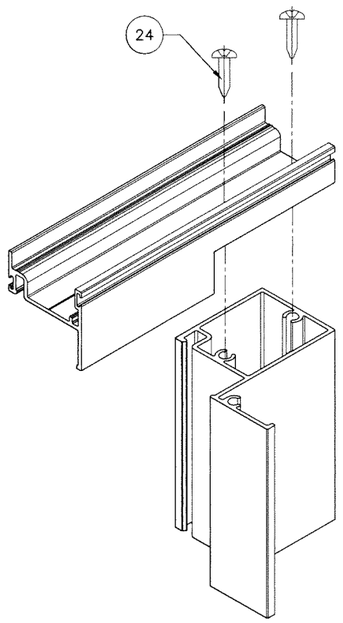
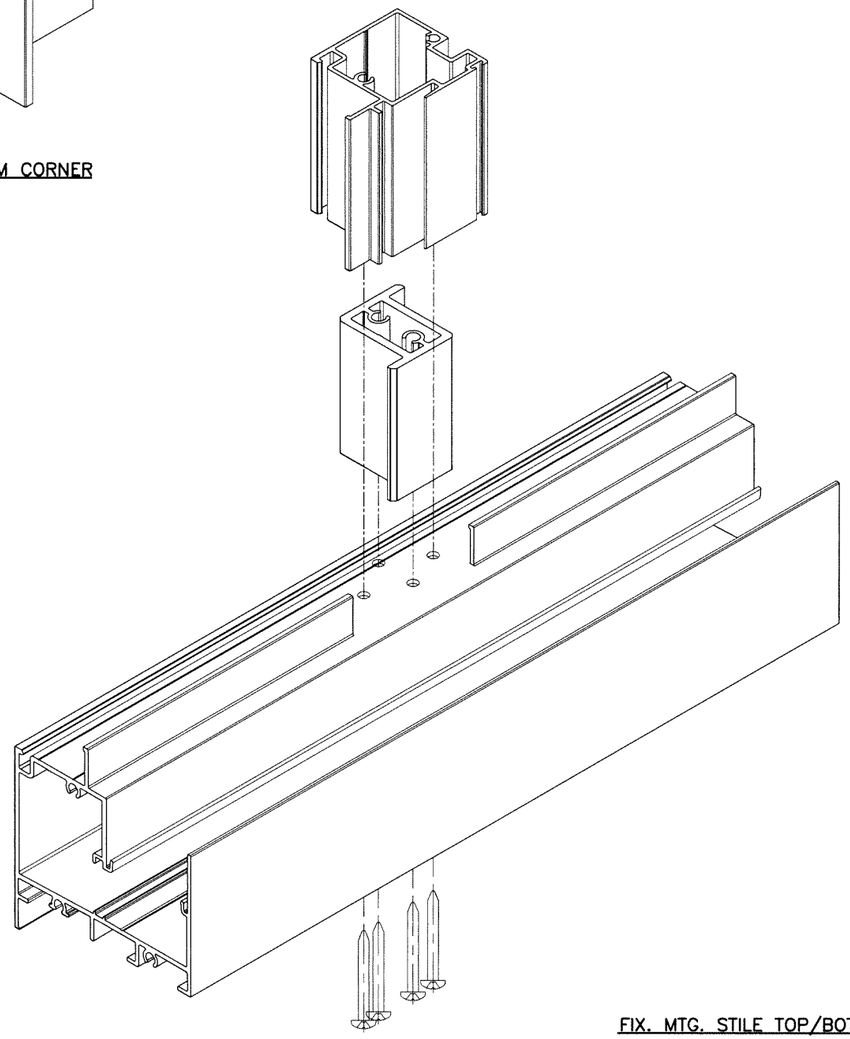
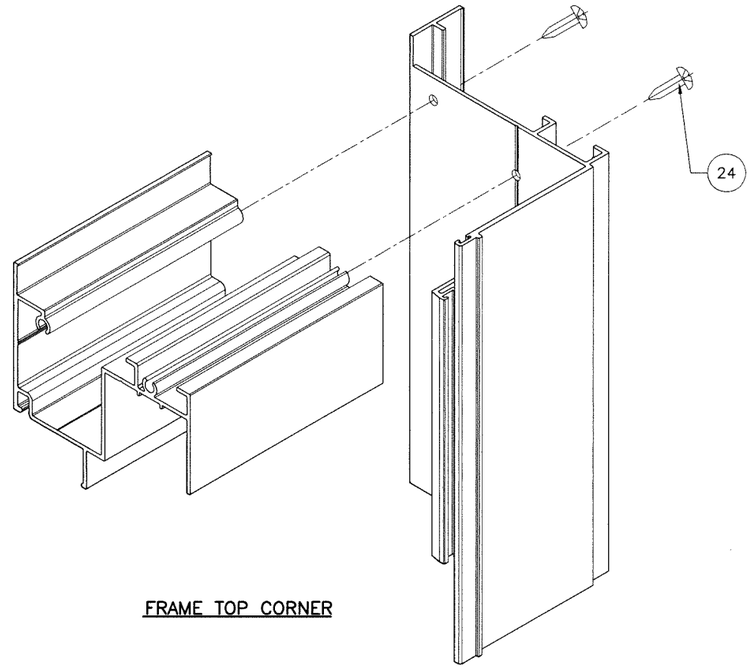


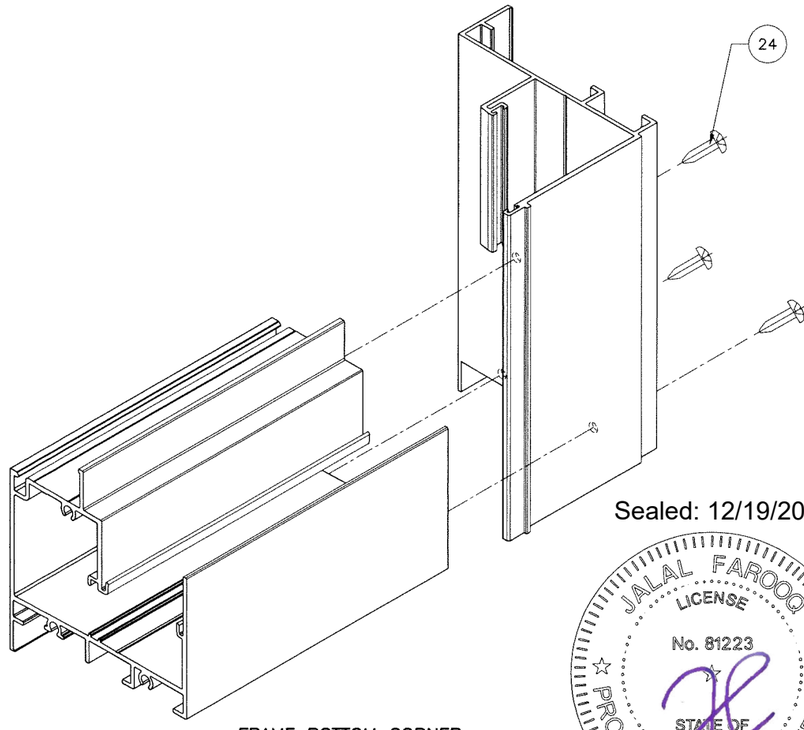
VENT TOP/BOTTOM CORNER



FIX. MTG. STILE TOP/BOTTOM ASSEMBLY



FRAME TOP CORNER



FRAME BOTTOM CORNER

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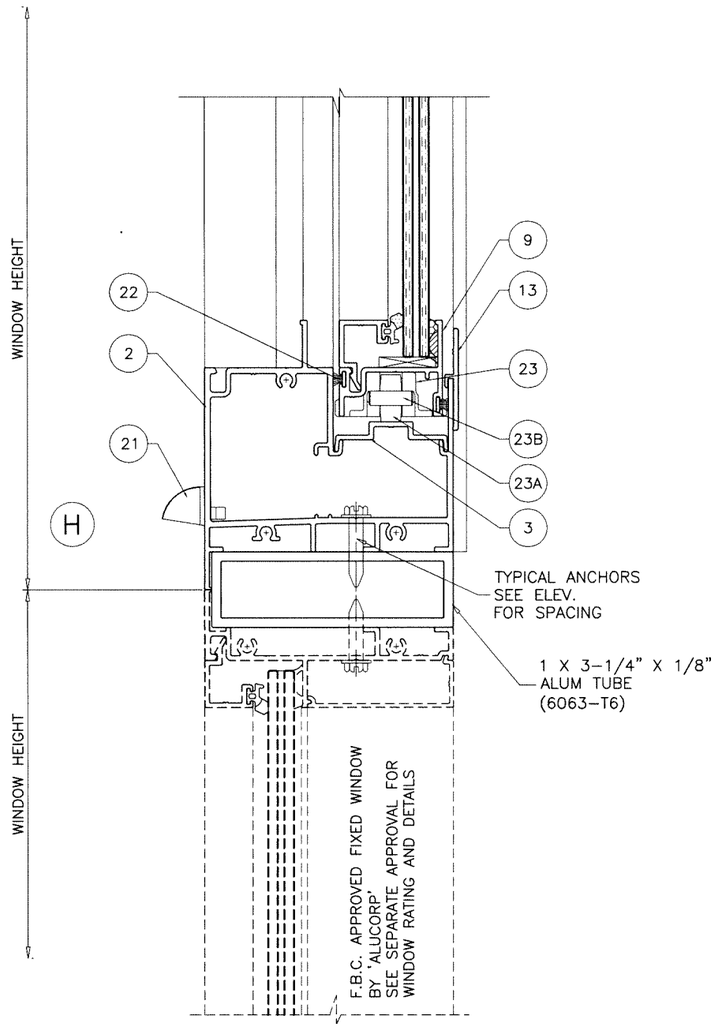

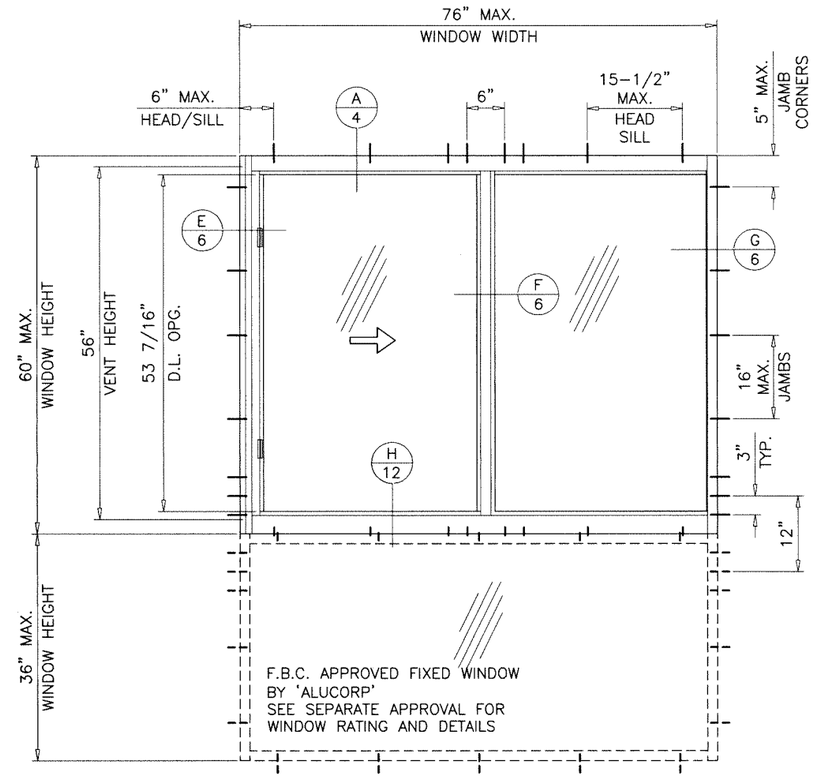

MAXIMUM DESIGN LOAD RATING	= + 70.0 PSF
(FOR SIZES SHOWN ABOVE OR SMALLER)	– 80.0 PSF

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