THESE WINDOWS ARE NOT RATED FOR IMPACT.
INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

SIGNATURE SERIES
VINYL SINGLE HUNG WINDOWS (N.I.)

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 3 AND 4.

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)/2026 (9TH EDITION) FLORIDA BUILDING CODE FOR NON HIGH VELOCITY HURRICANE ZONE.

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.

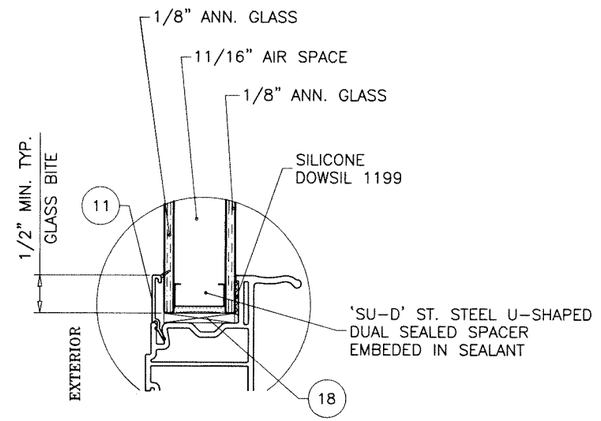
ALL SHIMS TO BE LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL OR OTHER RIGID MATERIALS).

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023/2026 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.



GLAZING DETAIL
15/16" OVERALL INSUL. GLASS

FASTENERS AND CONNECTORS (AS APPLICABLE) SHOWN IN THIS APPROVAL MAY NOT MEET CORROSION RESISTANCE REQUIREMENTS FOR COASTAL OR SALT WATER EXPOSURE ZONES. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.

INSULATING GLASS
NON IMPACT

Sealed: 9/25/2026

FL #29511

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

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\19-14F-VI

SIGNATURE SERIES VINYL SINGLE HUNG WDW. (N.I.)

VIWINCO, INC.
851 HEMLOCK ROAD
MORGANTOWN, PA. 19543
PHONE: (610) 286-8884 FAX: (610) 286-8877

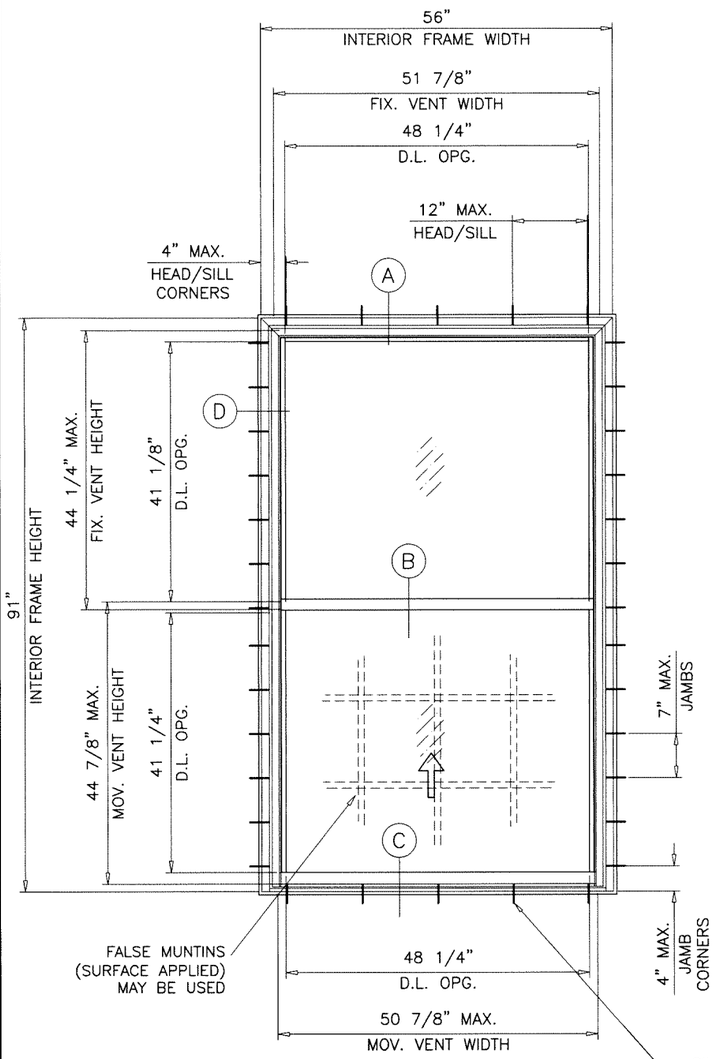
revisions:

no	date	by	description
A	03.01.21		UPDATED TO 2020 FBC
B	09.23.26		UPDATED TO 2026 FBC

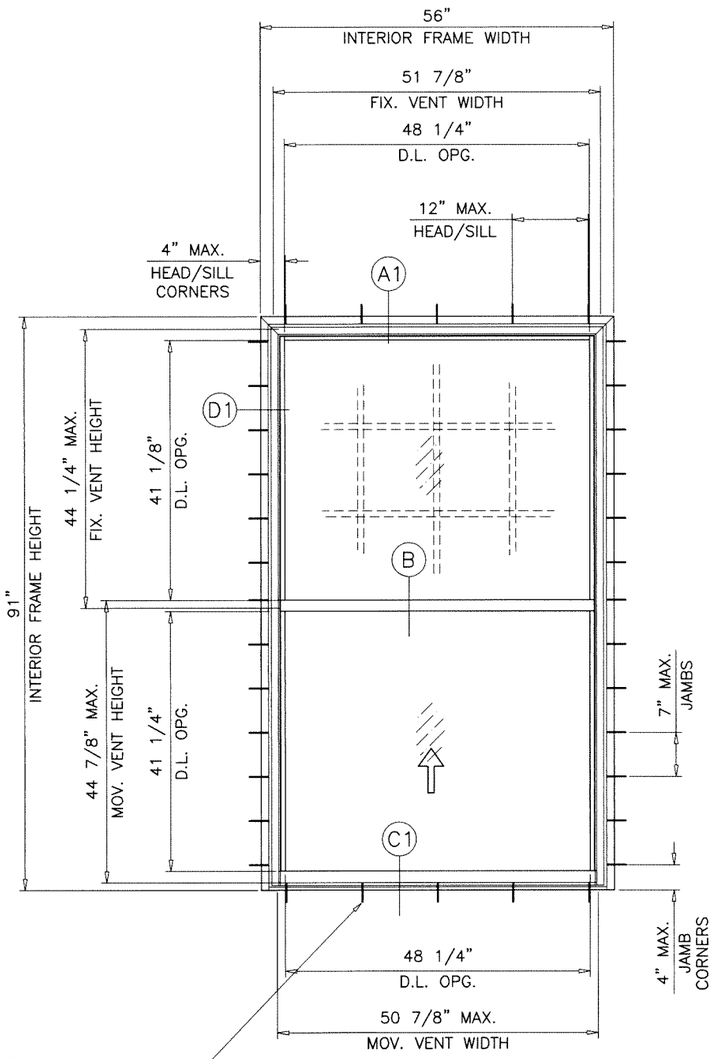
date: 03-04-19
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no. 19-14F

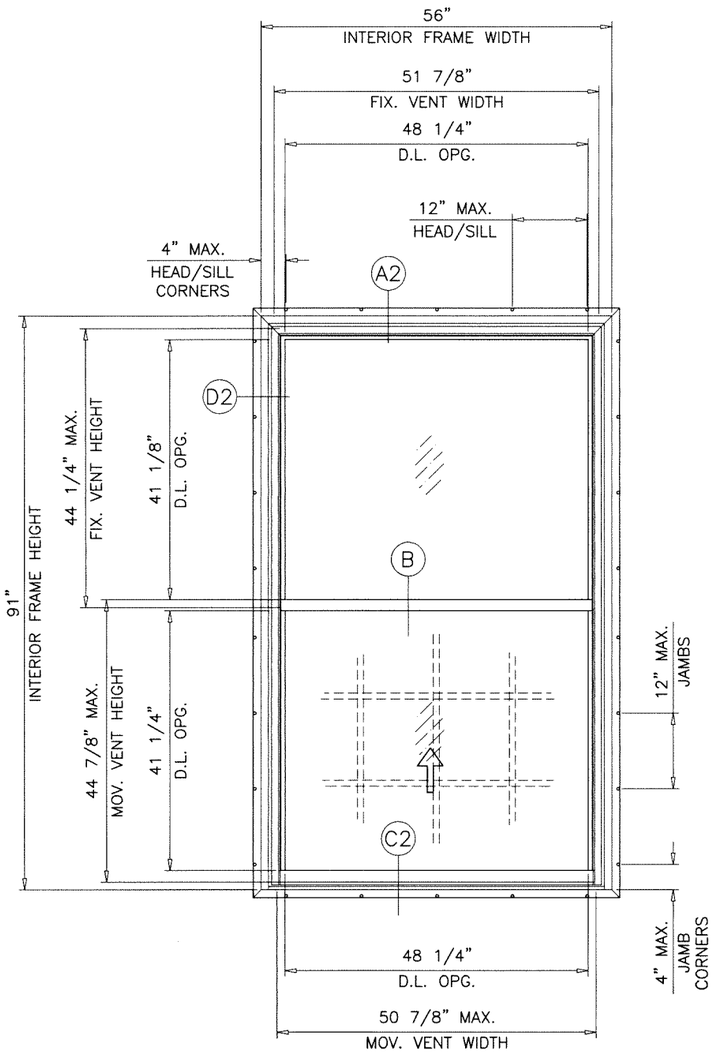
sheet 1 of 11



FLANGE FRAMES



FLUSH FRAMES



FIN FRAMES

TYPICAL ELEVATIONS

DAYLITE OPENINGS:

FIX. VENT WIDTH = INTERIOR FRAME WIDTH − 4.125
MOV. VENT WIDTH = INTERIOR FRAME WIDTH − 5.125

FIX. DLO WIDTH = VENT WIDTH − 3.625
MOV. DLO WIDTH = VENT WIDTH − 2.625

$$\text{DLO HEIGHT} = \frac{\text{INTERIOR FRAME HT} - 8.625}{2}$$

Sealed: 9/25/2026

JALAL FAROOQ
LICENSE
No. 81223
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FL #29511

AL-FAROOQ CORPORATION
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MORGANTOWN, PA. 19543
PHONE: (610) 286-8884 FAX: (610) 286-8877

revisions:			
no	date	by	description

date: 03-04-19
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

drawing no. 19-14F

sheet 2 of 11

EQUAL LITES WINDOWS (2-1/2" SILL HT.)
DESIGN LOAD CAPACITY - PSF

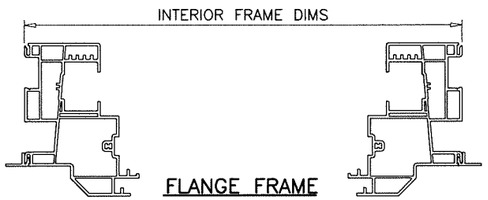
INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)
18-1/8"	25"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		61.3	75.0	61.3	82.5	61.3	82.5	61.3	82.5	61.3	90.0
52-1/8"		–	–	–	–	–	–	50.1	60.0	52.5	60.0
18-1/8"	37-3/8"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		61.3	75.0	61.3	82.5	61.3	82.5	61.3	82.5	61.3	90.0
52-1/8"		–	–	–	–	–	–	50.1	60.0	52.5	60.0
18-1/8"	49-5/8"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		61.3	75.0	61.3	82.5	61.3	82.5	61.3	82.5	61.3	90.0
52-1/8"		–	–	–	–	–	–	50.1	60.0	51.7	60.0
18-1/8"	55"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		61.3	75.0	61.3	82.5	61.3	82.5	61.3	82.5	61.3	90.0
52-1/8"		–	–	–	–	–	–	50.1	60.0	50.1	60.0
18-1/8"	62"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		59.2	75.0	59.2	82.5	59.2	82.5	59.2	82.5	59.2	90.0
52-1/8"		–	–	–	–	–	–	50.1	60.0	50.1	60.0
18-1/8"	71"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		57.9	75.0	57.9	82.5	57.9	82.5	57.9	82.5	57.9	90.0
52-1/8"		–	–	–	–	–	–	50.1	60.0	50.1	60.0
18-1/8"	75"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		57.9	75.0	57.9	82.5	57.9	82.5	57.9	82.5	57.9	90.0
52-1/8"		–	–	–	–	–	–	50.1	60.0	50.1	60.0

SEE SHEET 5 FOR REINF. DETAILS

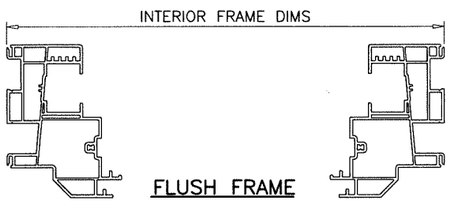
EQUAL LITES WINDOWS (2-1/2" SILL HT.)
DESIGN LOAD CAPACITY - PSF

INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)
30"	66"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		70.7	75.0	70.7	82.7	70.7	82.7	70.7	82.7	70.7	90.0
40"		55.7	69.8	55.7	79.6	55.7	79.6	55.7	79.6	55.7	83.6
48"		52.1	52.1	55.7	59.4	55.7	59.4	55.7	59.4	55.7	62.3
52"		27.4	27.4	41.7	41.7	49.3	49.3	50.1	51.7	50.1	51.7
56"		–	–	–	–	–	–	46.4	46.4	46.4	46.4
30"	72"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		70.7	75.0	70.7	82.7	70.7	82.7	70.7	82.7	70.7	90.0
40"		55.7	68.3	55.7	77.9	55.7	77.9	55.7	77.9	55.7	81.8
48"		50.0	50.0	55.7	57.1	55.7	57.1	55.7	57.1	55.7	60.0
52"		26.2	26.2	39.6	39.6	47.2	47.2	49.4	49.4	49.4	49.4
56"		–	–	–	–	–	–	44.2	44.2	44.2	44.2
30"	80"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		61.1	75.0	61.1	82.7	61.1	82.7	61.1	82.7	61.1	90.0
40"		55.7	67.6	55.7	77.1	55.7	77.1	55.7	77.1	55.7	81.0
48"		28.7	28.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
52"		25.0	25.0	–	–	45.0	45.0	47.3	47.3	47.3	47.3
56"		–	–	–	–	–	–	42.0	42.0	42.0	42.0
30"	91"	61.3	75.0	61.3	82.7	61.3	82.7	61.3	82.7	61.3	87.8
36"		55.7	75.0	55.7	82.7	55.7	82.7	55.7	82.7	55.7	83.9
40"		37.5	37.5	55.7	77.1	55.7	77.1	55.7	77.1	55.7	77.1
48"		–	–	–	–	–	–	50.1	52.7	50.1	52.7
52"		–	–	–	–	–	–	45.5	45.5	45.5	45.5
56"		–	–	–	–	–	–	40.0	40.0	40.0	40.0
30"	96"	61.3	75.0	61.3	80.9	61.3	81.8	61.3	80.9	61.3	81.8
36"		55.7	74.4	55.7	78.1	55.7	78.8	55.7	78.1	55.7	78.8
40"		37.5	37.5	55.7	74.2	55.7	74.2	55.7	74.2	55.7	74.2
48"		–	–	–	–	–	–	50.1	52.5	50.1	52.5
52"		–	–	–	–	–	–	45.0	45.0	45.0	45.0

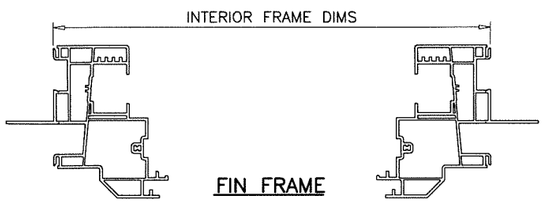
SEE SHEET 5 FOR REINF. DETAILS



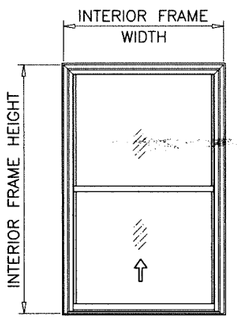
FLANGE FRAME



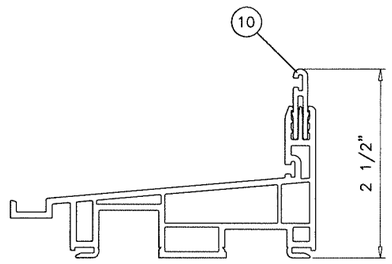
FLUSH FRAME



FIN FRAME



EQUAL LITES



2-1/2" SILL HT.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-16 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

Sealed: 9/25/2026

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL #29511

afc
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
MIAMI, FLORIDA 33173 FAX. (305) 262-6978
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revisions:

no	date	by	description

date: 03-04-19
scale: –
dr. by: TARIQ
chk. by:

drawing no. 19-14F

EQUAL LITES WINDOWS (2-7/8" SILL HT.)
DESIGN LOAD CAPACITY – PSF

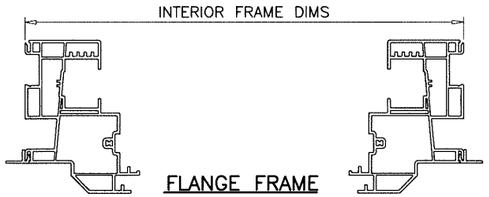
INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
18–1/8"	25"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25–1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	90.0
52–1/8"		–	–	–	–	–	–	60.0	60.0	60.0	60.0
18–1/8"	37–3/8"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25–1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	90.0
52–1/8"		–	–	–	–	–	–	60.0	60.0	60.0	60.0
18–1/8"	49–5/8"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25–1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	90.0
52–1/8"		–	–	–	–	–	–	60.0	60.0	60.0	60.0
18–1/8"	55"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25–1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	90.0
52–1/8"		–	–	–	–	–	–	60.0	60.0	60.0	60.0
18–1/8"	62"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25–1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	90.0
52–1/8"		–	–	–	–	–	–	60.0	60.0	60.0	60.0
18–1/8"	71"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25–1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	90.0
52–1/8"		–	–	–	–	–	–	60.0	60.0	60.0	60.0
18–1/8"	75"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25–1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	90.0
52–1/8"		–	–	–	–	–	–	60.0	60.0	60.0	60.0

SEE SHEET 5 FOR REINF. DETAILS

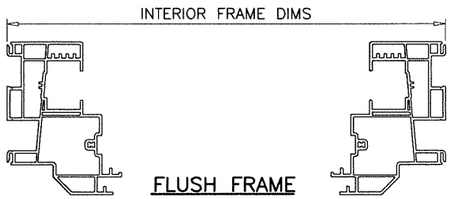
EQUAL LITES WINDOWS (2-7/8" SILL HT.)
DESIGN LOAD CAPACITY – PSF

INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
30"	66"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		70.7	75.0	70.7	82.7	70.7	82.7	70.7	82.7	70.7	90.0
40"		65.5	69.8	65.5	79.6	65.5	79.6	65.5	79.6	65.5	83.6
48"		52.1	52.1	59.4	59.4	59.4	59.4	59.4	59.4	62.3	62.3
52"		27.4	27.4	41.7	41.7	49.3	49.3	51.7	51.7	51.7	51.7
56"		–	–	–	–	–	–	46.4	46.4	46.4	46.4
30"	72"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		70.7	75.0	70.7	82.7	70.7	82.7	70.7	82.7	70.7	90.0
40"		65.5	68.3	65.5	77.9	65.5	77.9	65.5	77.9	65.5	81.8
48"		50.0	50.0	57.1	57.1	57.1	57.1	57.1	57.1	60.0	60.0
52"		26.2	26.2	39.6	39.6	47.2	47.2	49.4	49.4	49.4	49.4
56"		–	–	–	–	–	–	44.2	44.2	44.2	44.2
30"	80"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.7	65.5	82.7	65.5	82.7	65.5	90.0
40"		65.5	67.6	65.5	77.1	65.5	77.1	65.5	77.1	65.5	81.0
48"		28.7	28.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
52"		25.0	25.0	–	–	45.0	45.0	47.3	47.3	47.3	47.3
56"		–	–	–	–	–	–	42.0	42.0	42.0	42.0
30"	91"	65.5	75.0	65.5	82.7	65.5	82.7	65.5	82.7	65.5	87.8
36"		65.5	75.0	65.5	82.7	65.5	82.7	65.5	82.7	65.5	83.9
40"		37.5	37.5	65.5	77.1	65.5	77.1	65.5	77.1	65.5	77.1
48"		–	–	–	–	–	–	52.7	52.7	52.7	52.7
52"		–	–	–	–	–	–	45.5	45.5	45.5	45.5
56"		–	–	–	–	–	–	40.0	40.0	40.0	40.0
30"	96"	65.5	75.0	65.5	80.9	65.5	81.8	65.5	80.9	65.5	81.8
36"		65.5	74.4	65.5	78.1	65.5	78.8	65.5	78.1	65.5	78.8
40"		37.5	37.5	65.5	74.2	65.5	74.2	65.5	74.2	65.5	74.2
48"		–	–	–	–	–	–	52.5	52.5	52.5	52.5
52"		–	–	–	–	–	–	45.0	45.0	45.0	45.0

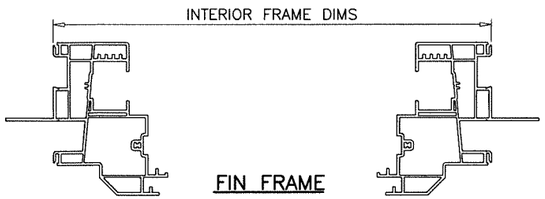
SEE SHEET 5 FOR REINF. DETAILS



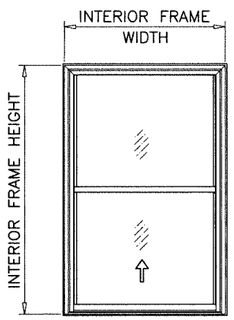
FLANGE FRAME



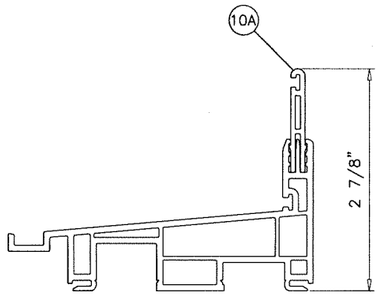
FLUSH FRAME



FIN FRAME



EQUAL LITES



2–7/8" SILL HT.

Sealed: 9/25/2026

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300–16 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05–DEC–219

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL #29511

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\19–14F–VI

SIGNATURE SERIES VINYL SINGLE HUNG WDW. (N.I.)

VIWINCO, INC.
851 HEMLOCK ROAD
MORGANTOWN, PA. 19543
PHONE: (610) 286–8884 FAX: (610) 286–8877

revisions:

no	date	by	description

date: 03–04–19
scale: –
dr. by: TARIQ
chk. by:

drawing no. 19–14F

UNEQUAL LITES (ORIEL TYPE) WINDOWS (2-1/2" SILL HT.)
DESIGN LOAD CAPACITY - PSF

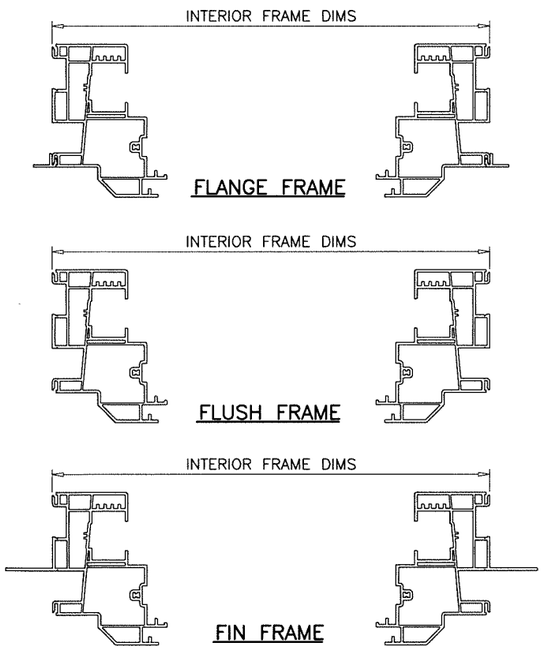
INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
18-1/8"	49-5/8"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		55.7	75.0	55.7	82.5	60.0	82.5	60.0	82.5	60.0	82.5
52-1/8"		–	–	–	–	–	–	50.1	59.8	50.1	59.8
18-1/8"	55"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		55.7	75.0	60.0	82.5	60.0	82.5	60.0	82.5	60.0	82.5
52-1/8"		–	–	–	–	–	–	50.1	56.0	50.1	56.0
18-1/8"	62"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		55.7	75.0	55.7	82.5	55.7	82.5	55.7	82.5	55.7	82.5
52-1/8"		–	–	–	–	–	–	50.1	52.3	50.1	52.3
18-1/8"	71"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	99.1	71.0	99.1	71.0	99.1	71.0	99.1	71.0	99.1
36"		55.7	75.0	55.7	82.5	55.7	82.5	55.7	82.5	55.7	82.5
52-1/8"		–	–	–	–	–	–	48.9	48.9	48.9	48.9
18-1/8"	75"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	92.2	71.0	92.2	71.0	92.2	71.0	92.2	71.0	92.2
36"		55.7	75.0	55.7	82.0	55.7	82.0	55.7	82.0	55.7	82.0
52-1/8"		–	–	–	–	–	–	47.7	47.7	47.7	47.7

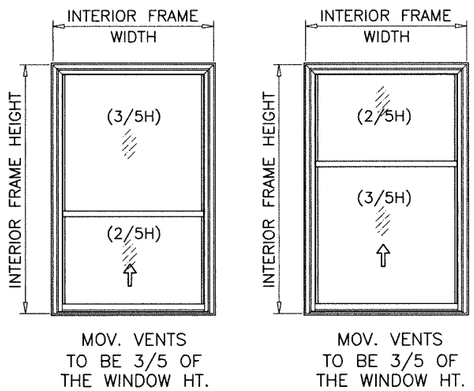
SEE SHEET 5 FOR REINF. DETAILS

UNEQUAL LITES (ORIEL TYPE) WINDOWS (2-1/2" SILL HT.)
DESIGN LOAD CAPACITY - PSF

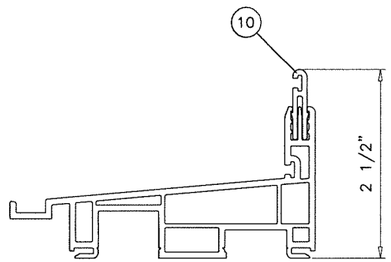
INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30"	66"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		61.3	75.0	61.3	82.5	61.3	82.5	61.3	82.5	61.3	90.0
40"		55.7	65.9	60.0	75.1	60.0	78.8	60.0	75.1	60.0	79.1
42"		55.7	65.9	56.1	75.1	56.1	75.1	56.1	75.1	56.1	79.1
48"		31.4	31.4	55.0	60.5	55.7	60.5	55.0	60.5	55.7	60.5
52"		27.8	27.8	40.0	40.0	50.1	52.6	50.1	52.6	50.1	52.6
56"		–	–	–	–	–	–	47.2	47.2	47.2	47.2
30"	72"	71.0	94.2	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		61.3	75.0	61.3	82.5	61.3	82.5	61.3	82.5	61.3	88.7
40"		40.0	40.0	55.7	73.5	55.7	77.3	55.7	73.5	55.7	77.3
42"		37.5	37.5	55.7	73.5	55.7	73.5	55.7	73.5	55.7	73.5
48"		30.4	30.4	30.4	30.4	54.6	54.6	50.1	57.4	54.6	57.4
52"		20.8	20.8	26.0	26.0	36.6	36.6	50.1	50.5	50.1	50.5
56"		–	–	–	–	–	–	45.1	45.1	45.1	45.1
30"	80"	61.3	80.6	61.3	80.6	61.3	81.8	61.3	80.6	61.3	81.8
36"		55.7	74.4	55.7	77.9	55.7	78.8	55.7	77.9	55.7	78.8
40"		37.3	37.3	55.7	71.4	55.7	71.4	55.7	71.4	55.7	71.4
42"		37.3	37.3	53.7	53.7	55.7	67.2	53.7	60.0	55.7	67.2
48"		22.9	22.9	28.7	28.7	40.3	40.3	50.1	55.6	50.1	55.6
52"		20.0	20.0	25.0	25.0	35.0	35.0	48.5	48.5	48.5	48.5
30"	91"	55.7	65.7	60.0	68.2	60.0	68.2	60.0	68.2	60.0	68.2
36"		37.5	37.5	55.7	60.0	55.7	66.1	55.7	60.0	55.7	66.1
40"		30.0	30.0	37.5	37.5	52.5	52.5	50.1	60.0	50.1	60.0
42"		28.6	28.6	35.7	35.7	50.1	50.1	50.1	60.0	50.1	60.0
30"	96"	55.7	60.8	55.7	63.8	55.7	63.8	55.7	63.8	55.7	63.8
36"		37.5	37.5	37.5	37.5	55.7	61.1	50.1	60.0	55.7	61.1
40"		30.0	30.0	37.5	37.5	52.5	52.5	50.1	60.0	52.5	60.0
42"		28.4	28.4	35.5	35.5	49.8	49.8	50.1	59.0	52.5	59.0

SEE SHEET 5 FOR REINF. DETAILS





UNEQUAL LITES (ORIEL TYPE)



2-1/2" SILL HT.

Sealed: 9/25/2026

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-16 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL #29511

afc
AL-FAROOQ CORPORATION
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COMP-ANL\19-14F-VI

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SIGNATURE SERIES VINYL SINGLE HUNG WDW. (N.I.)

revisions:

no	date	by	description

date: 03-04-19
scale: -
dr. by: TARIQ
chk. by:

drawing no. 19-14F

UNEQUAL LITES (ORIEL TYPE) WINDOWS (2-7/8" SILL HT.)
DESIGN LOAD CAPACITY - PSF

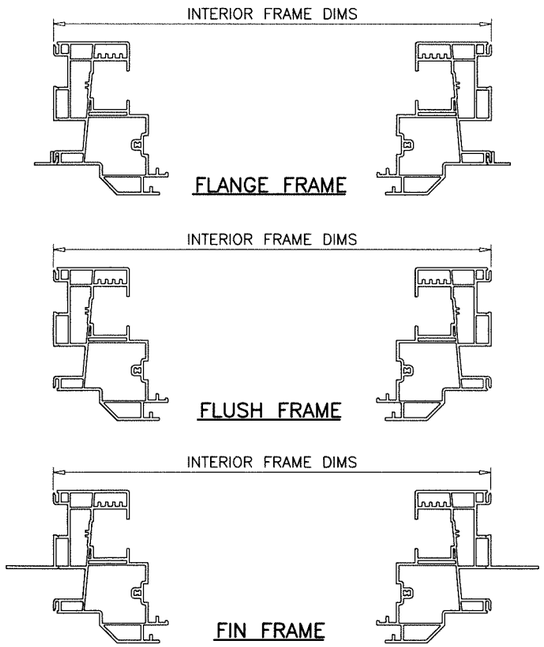
INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
18-1/8"	49-5/8"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	82.5
52-1/8"		–	–	–	–	–	–	59.8	59.8	59.8	59.8
18-1/8"	55"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	82.5
52-1/8"		–	–	–	–	–	–	56.0	56.0	56.0	56.0
18-1/8"	62"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	82.5
52-1/8"		–	–	–	–	–	–	52.3	52.3	52.3	52.3
18-1/8"	71"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	99.1	71.0	99.1	71.0	99.1	71.0	99.1	71.0	99.1
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	82.5
52-1/8"		–	–	–	–	–	–	48.9	48.9	48.9	48.9
18-1/8"	75"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
25-1/2"		71.0	92.2	71.0	92.2	71.0	92.2	71.0	92.2	71.0	92.2
36"		65.5	75.0	65.5	82.0	65.5	82.0	65.5	82.0	65.5	82.0
52-1/8"		–	–	–	–	–	–	47.7	47.7	47.7	47.7

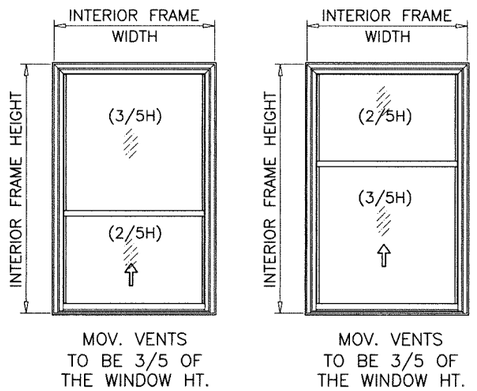
SEE SHEET 5 FOR REINF. DETAILS

UNEQUAL LITES (ORIEL TYPE) WINDOWS (2-7/8" SILL HT.)
DESIGN LOAD CAPACITY - PSF

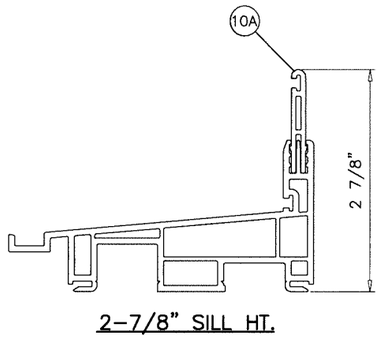
INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30"	66"	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	90.0
40"		65.5	65.9	65.5	75.1	65.5	78.8	65.5	75.1	65.5	79.1
42"		65.5	65.9	65.5	75.1	65.5	75.1	65.5	75.1	65.5	79.1
48"		31.4	31.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
52"		27.8	27.8	40.0	40.0	52.6	52.6	52.6	52.6	52.6	52.6
56"		–	–	–	–	–	–	47.2	47.2	47.2	47.2
30"	72"	71.0	94.2	71.0	100.0	71.0	100.0	71.0	100.0	71.0	100.0
36"		65.5	75.0	65.5	82.5	65.5	82.5	65.5	82.5	65.5	88.7
40"		40.0	40.0	65.5	73.5	65.5	77.3	65.5	73.5	65.5	77.3
42"		37.5	37.5	65.5	73.5	65.5	73.5	65.5	73.5	65.5	73.5
48"		30.4	30.4	30.4	30.4	54.6	54.6	57.4	57.4	57.4	57.4
52"		20.8	20.8	26.0	26.0	36.6	36.6	50.5	50.5	50.5	50.5
56"		–	–	–	–	–	–	45.1	45.1	45.1	45.1
30"	80"	65.5	80.6	65.5	80.6	65.5	81.8	65.5	80.6	65.5	81.8
36"		65.5	74.4	65.5	77.9	65.5	78.8	65.5	77.9	65.5	78.8
40"		37.3	37.3	65.5	71.4	65.5	71.4	65.5	71.4	65.5	71.4
42"		37.3	37.3	53.7	53.7	65.5	67.2	60.0	60.0	65.5	67.2
48"		22.9	22.9	28.7	28.7	40.3	40.3	55.6	55.6	55.6	55.6
52"		20.0	20.0	25.0	25.0	35.0	35.0	48.5	48.5	48.5	48.5
30"	91"	65.5	65.7	65.5	68.2	65.5	68.2	65.5	68.2	65.5	68.2
36"		37.5	37.5	60.0	60.0	65.5	66.1	60.0	60.0	65.5	66.1
40"		30.0	30.0	37.5	37.5	52.5	52.5	60.0	60.0	60.0	60.0
42"		28.6	28.6	35.7	35.7	50.1	50.1	60.0	60.0	60.0	60.0
30"	96"	60.8	60.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
36"		37.5	37.5	37.5	37.5	61.1	61.1	60.0	60.0	61.1	61.1
40"		30.0	30.0	37.5	37.5	52.5	52.5	60.0	60.0	60.0	60.0
42"		28.4	28.4	35.5	35.5	49.8	49.8	59.0	59.0	59.0	59.0

SEE SHEET 5 FOR REINF. DETAILS





UNEQUAL LITES (ORIEL TYPE)



2-7/8" SILL HT.

Sealed: 9/25/2026

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-16 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL #29511

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COMP-ANL\19-14F-VI

SIGNATURE SERIES VINYL SINGLE HUNG WDW. (N.I.)

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revisions:

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date: 03-04-19
scale: –
dr. by: TARIQ
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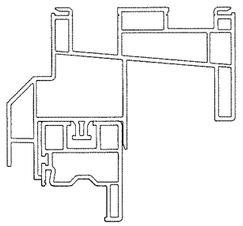
drawing no. 19-14F



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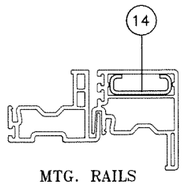

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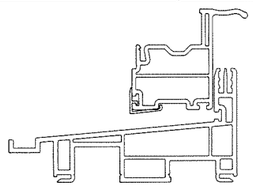

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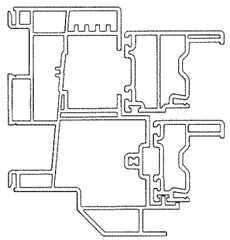

SIDE STILE

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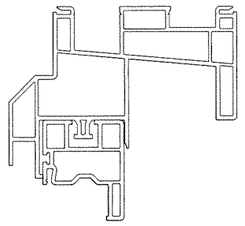

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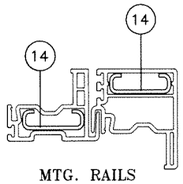

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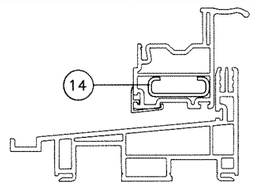

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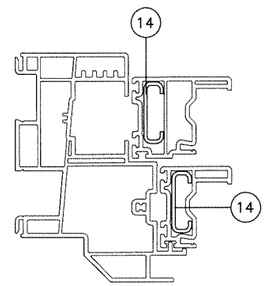

SIDE STILE

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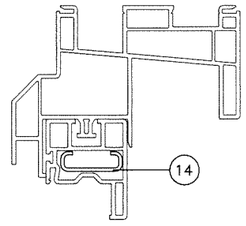

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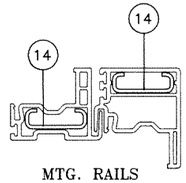

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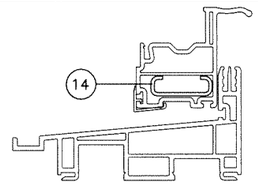

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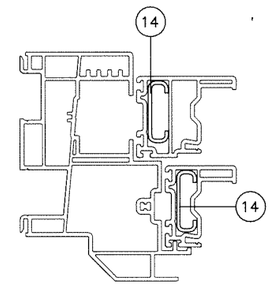

SIDE STILE

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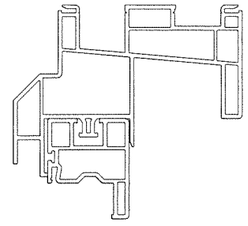

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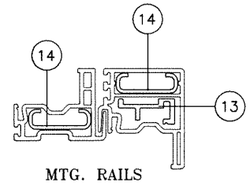

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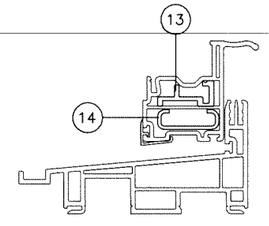

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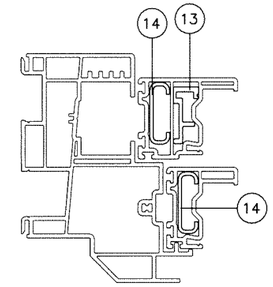

SIDE STILE

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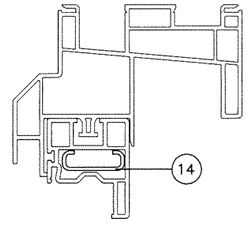

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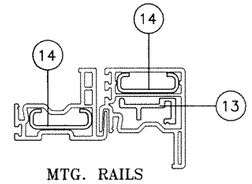

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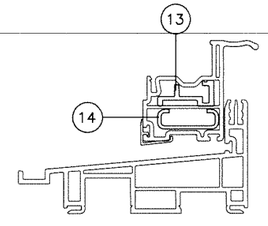

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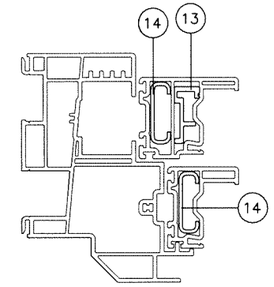

SIDE STILE

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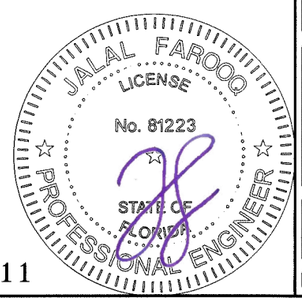
Sealed: 9/25/2026



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COMP-ANL\19-14F-VI

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851 HEMLOCK ROAD
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revisions:

no	date	by	description

date: 03-04-19
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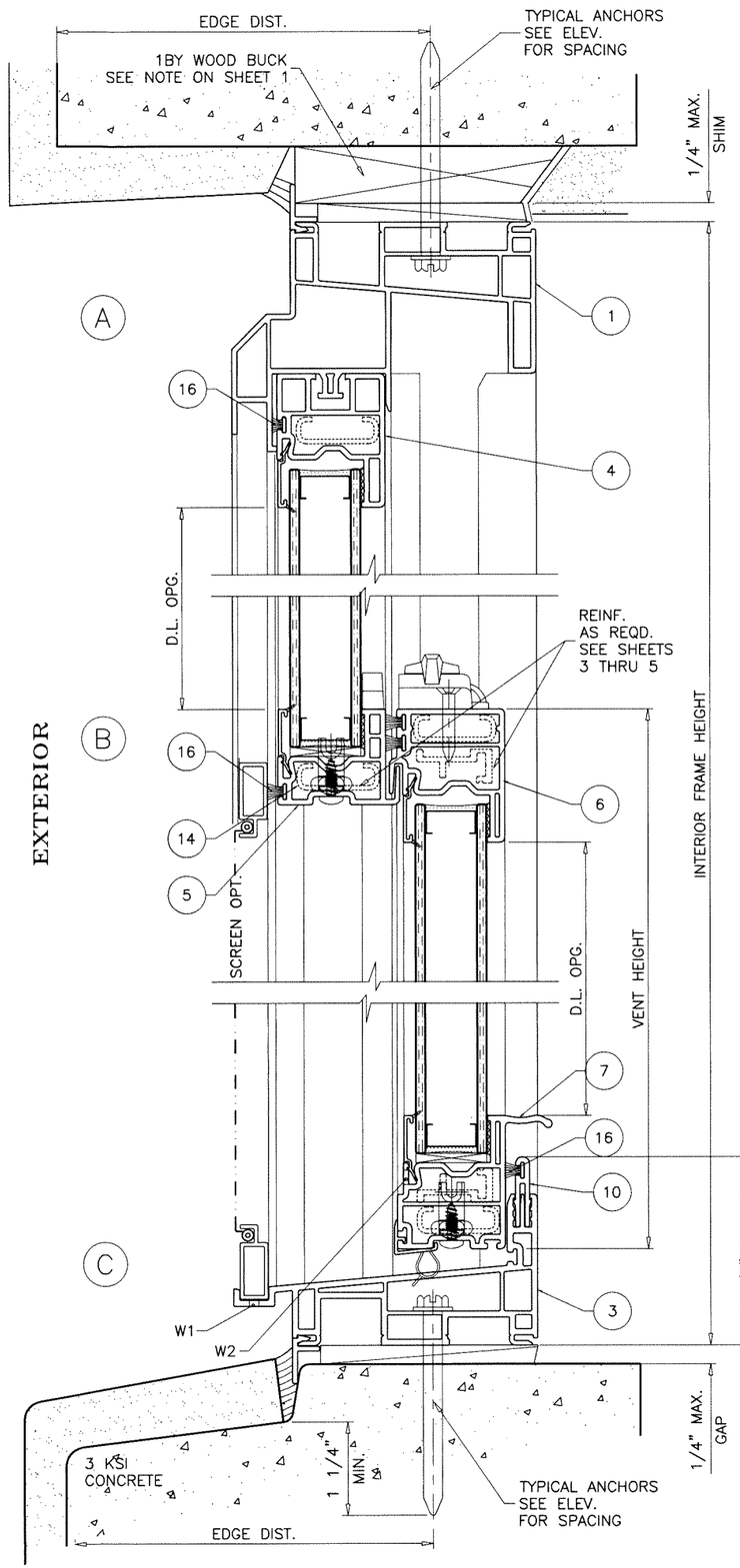
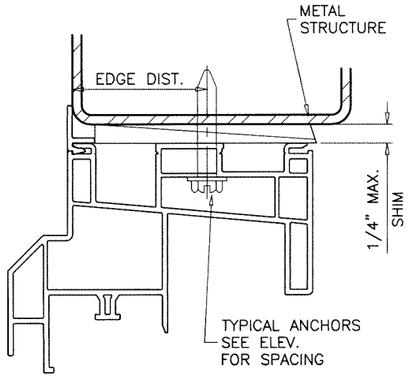
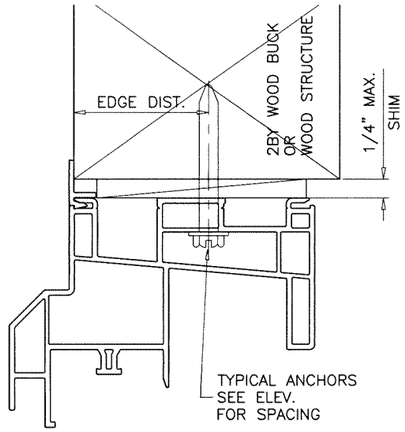
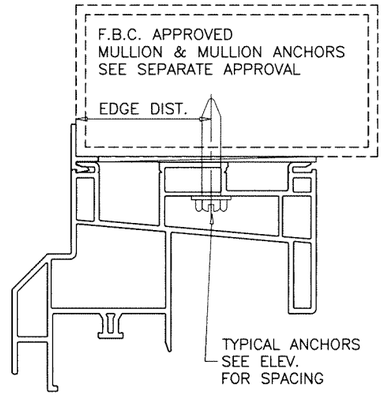
dr. by: TARIQ
chk. by:

drawing no. 19-14F









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

WEEPHOLES:

W1 = 1/8" X 1" WEEP SLOTS AT 2" FROM EACH END
W2 = 3/16" X 3/8" WEEP SLOTS AT 3-1/2" FROM EACH END

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

#10 WOOD SCREWS (GRADE 2 CRS)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-3/8" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

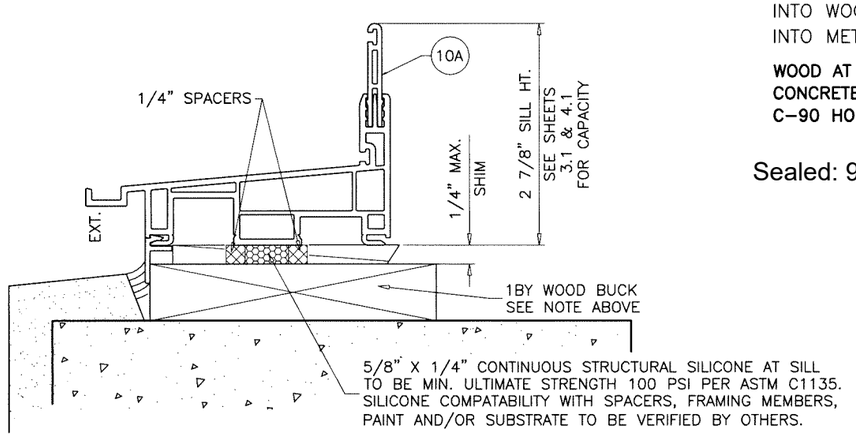
3/16" DIA. TAPCON BY 'ITW' (Fu=125 KSI, Fy=100 KSI)
THRU 1BY BUCKS INTO CONC. OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

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

#10 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)

TYPICAL EDGE DISTANCE
INTO CONCRETE AND BLOCKS = 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.



SILL OPTION WITHOUT FRAME ANCHORS

Sealed: 9/25/2026

FLANGE FRAMES

FL #29511

AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
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no	date	by	description

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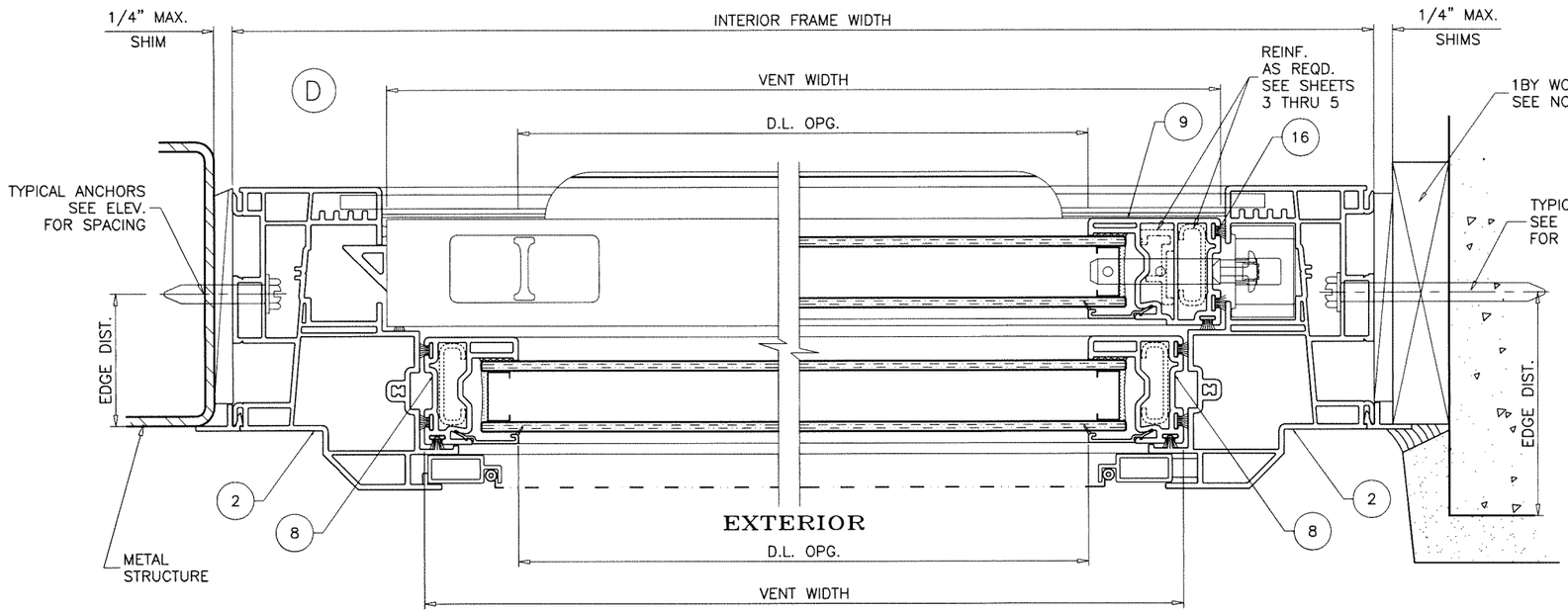
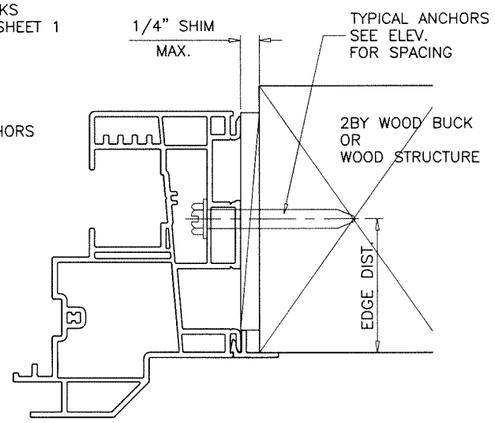
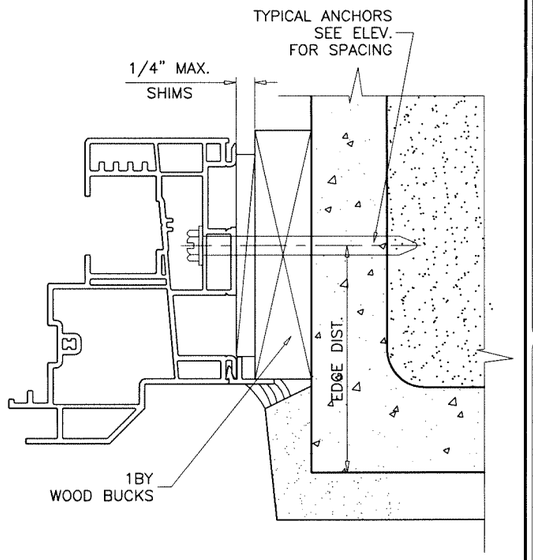
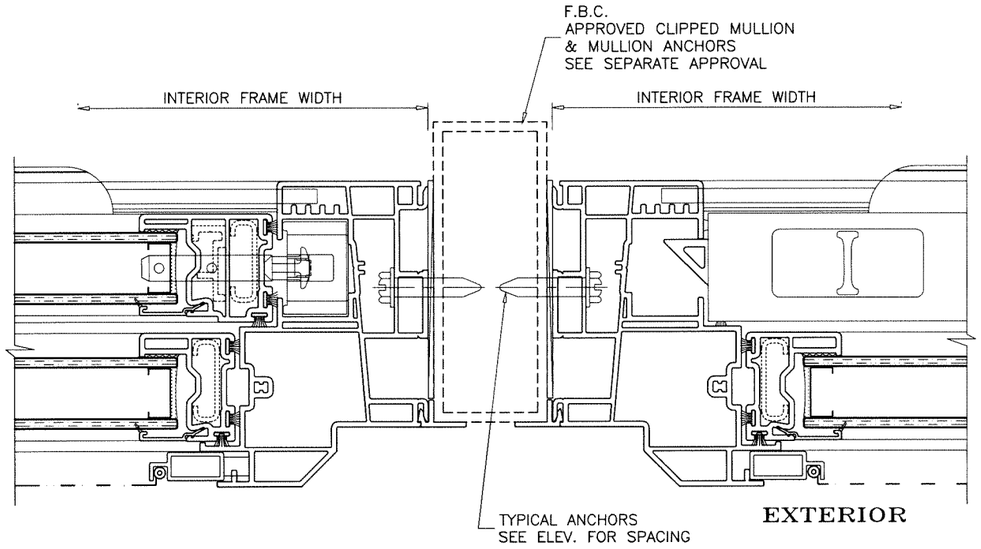
chk. by:

drawing no. 19-14F









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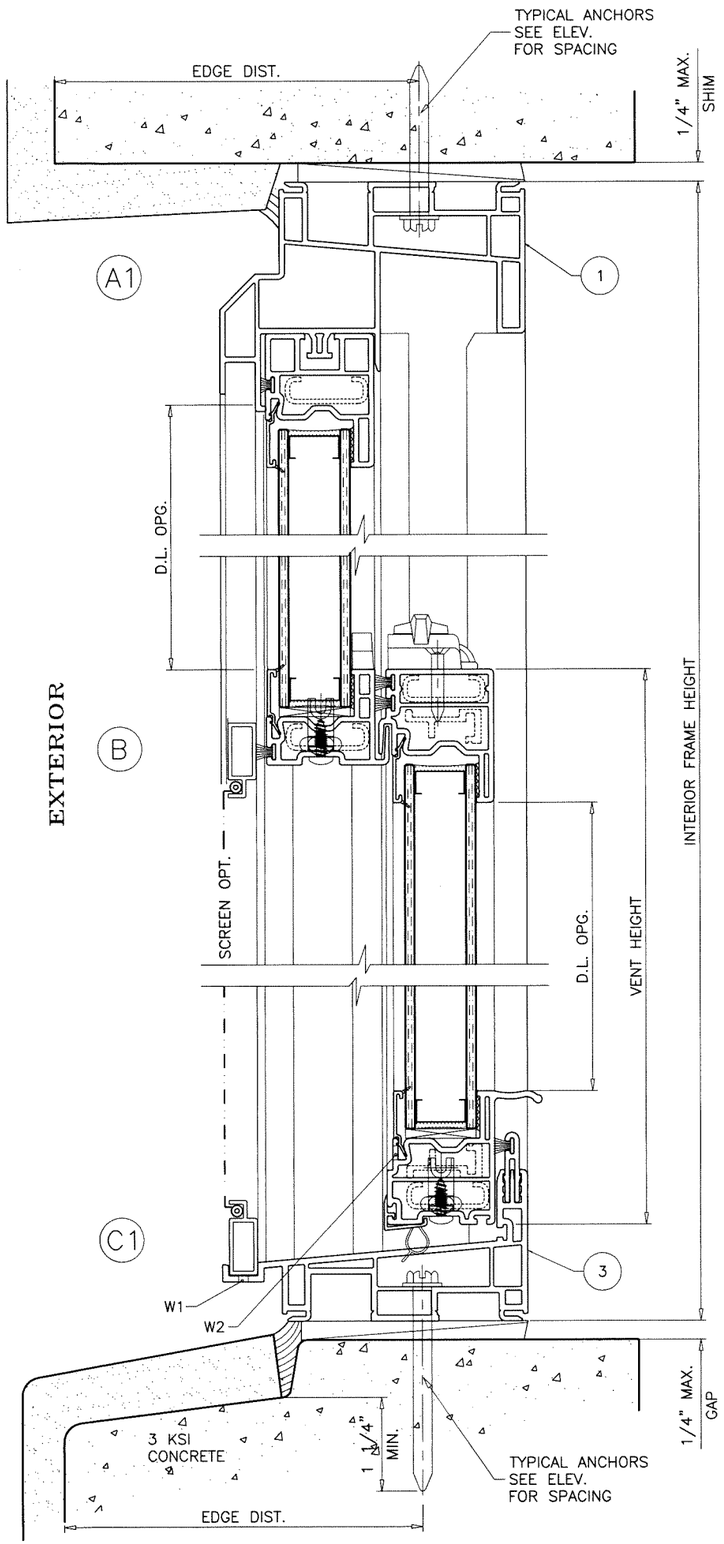
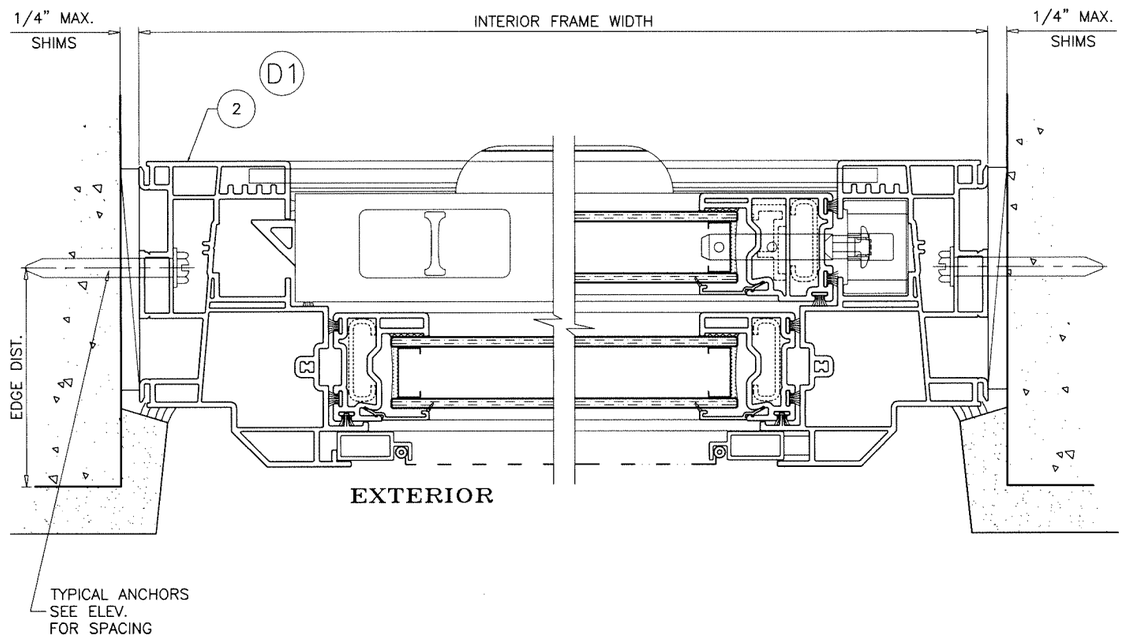
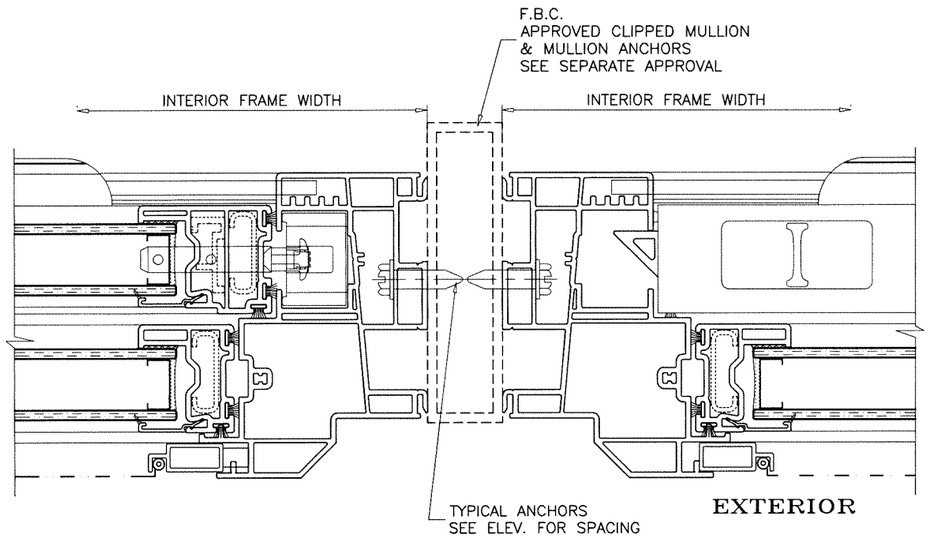
drawing no.
19-14F

sheet 7 of 11



FLUSH FRAMES CAN BE USED AT ALL SUBSTRATES SHOWN ON SHEETS 6 AND 7.





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FLUSH FRAMES

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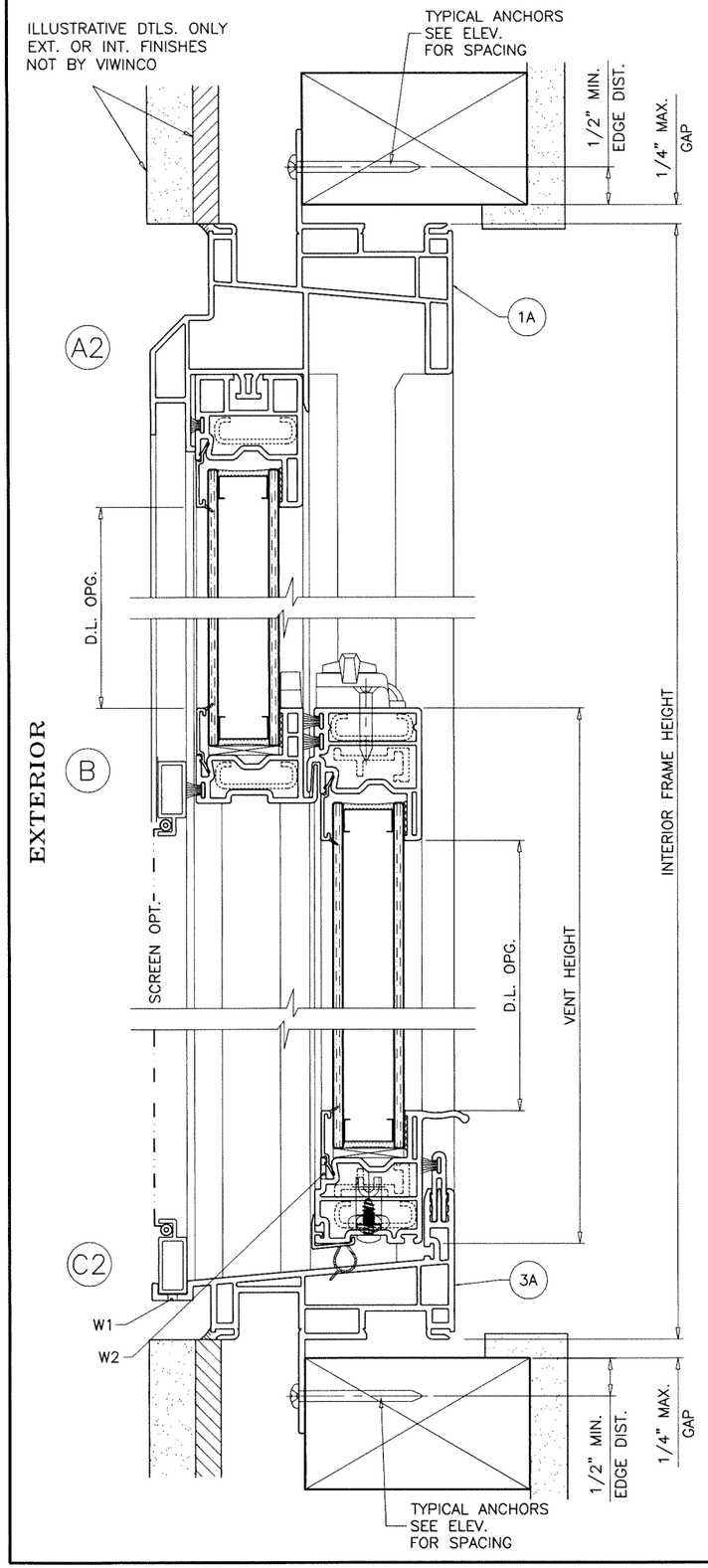
sheet 8 of 11

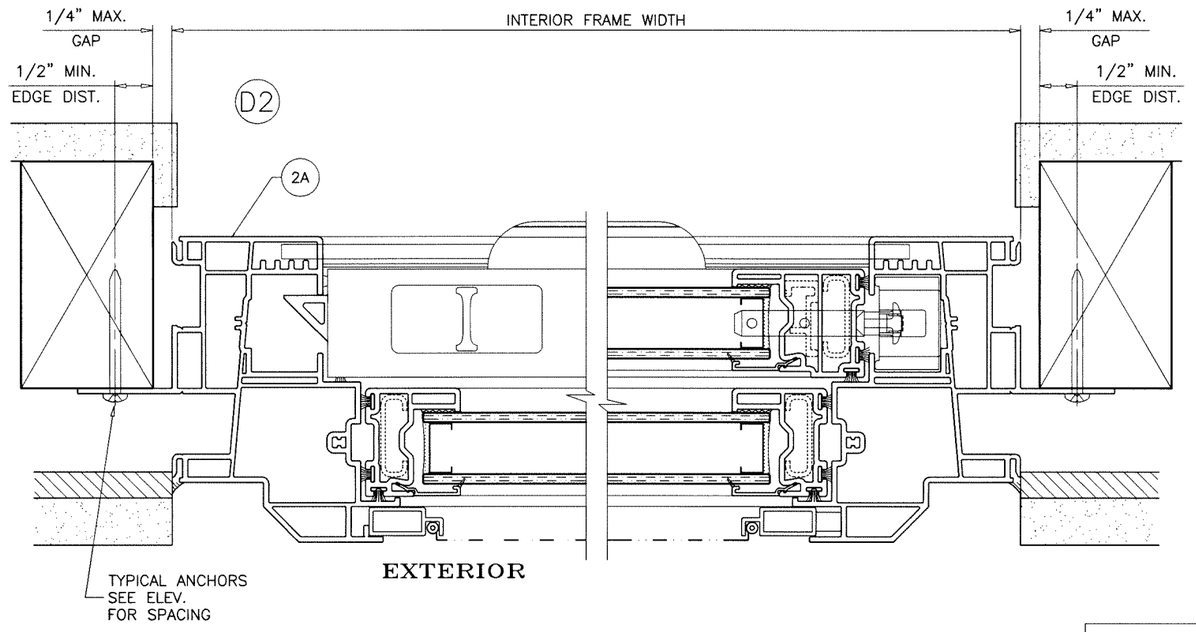


TYPICAL ANCHORS:

FIN FRAMES: SEE ELEV. FOR SPACING

#8 SMS (GRADE 2 CRS)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1–1/2" MIN. PENETRATION INTO WOOD
1/2" MIN. EDGE DISTANCE



Sealed: 9/25/2026

FIN FRAMES

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

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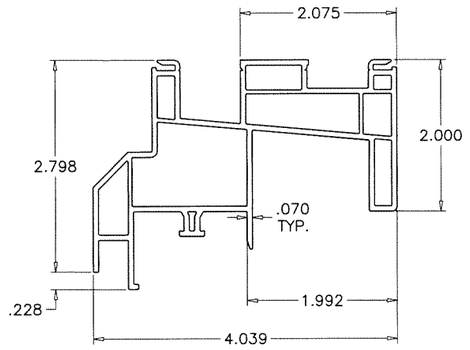
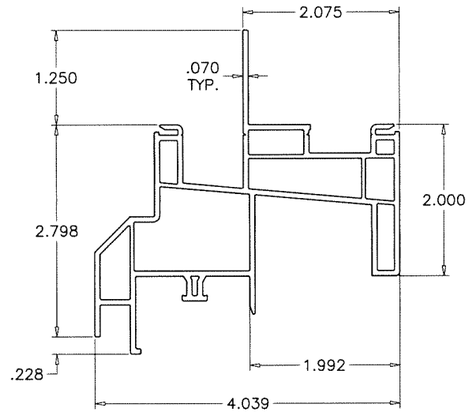
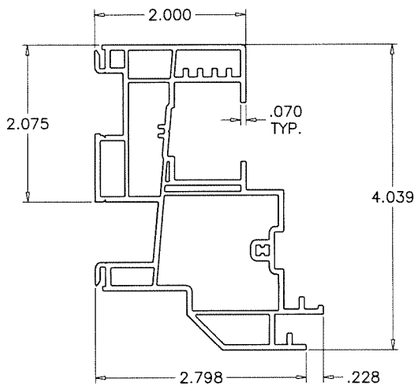


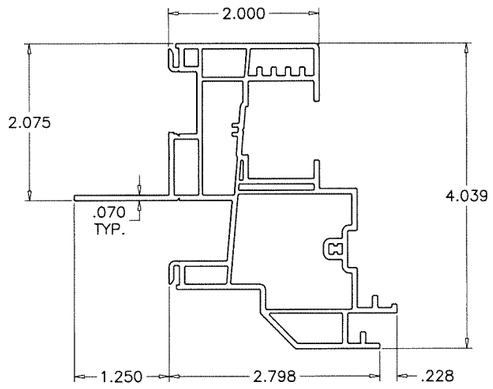
1 FRAME HEAD (FLANGE/FLUSH)



1A FRAME HEAD (FIN)



2 FRAME JAMB (FLANGE/FLUSH)



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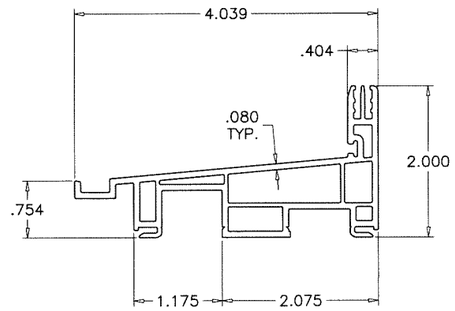
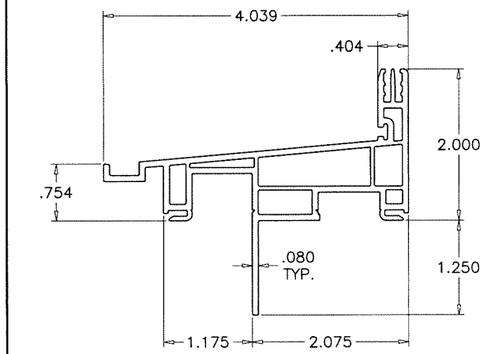


3 FRAME SILL (FLANGE/FLUSH)



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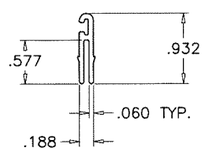
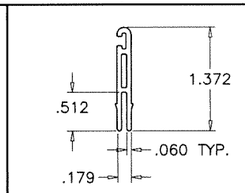
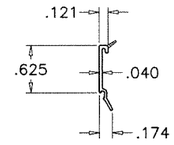


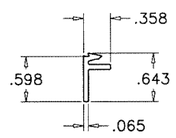
10 SILL RISER



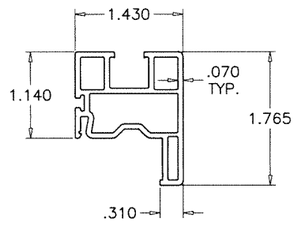
10A ALT. SILL RISER



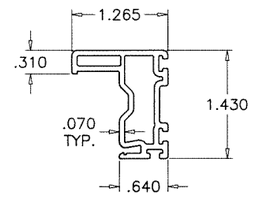
11 GLAZING BEAD



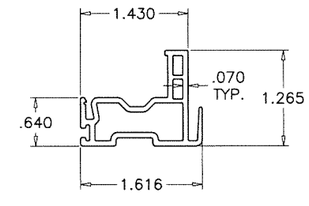
12 FLANGE ADAPTER



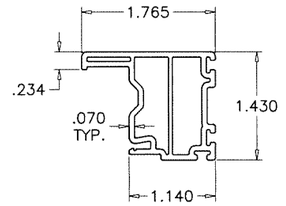
4 FIX. VENT TOP RAIL



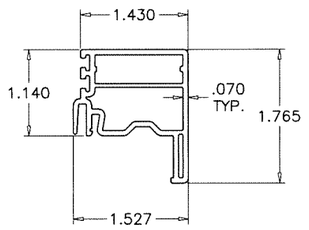
8 FIX. VENT SIDE RAIL



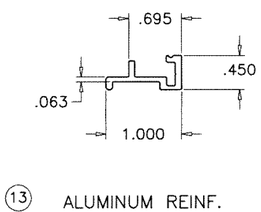
5 FIX. VENT BOTTOM RAIL



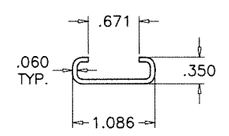
9 MOV. VENT SIDE RAIL



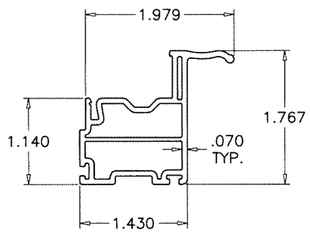
6 MOV. VENT TOP RAIL



13 ALUMINUM REINF.

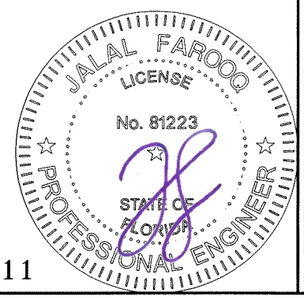


14 REINF.



7 MOV. VENT BOTTOM RAIL

Sealed: 9/25/2026



FL #29511

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

COMP-ANL\19-14F-VI

SIGNATURE SERIES VINYL SINGLE HUNG WDW. (N.I.)

VIWINCO, INC.
851 HEMLOCK ROAD
MORGANTOWN, PA. 19543
PHONE: (610) 286-8884 FAX: (610) 286-8877

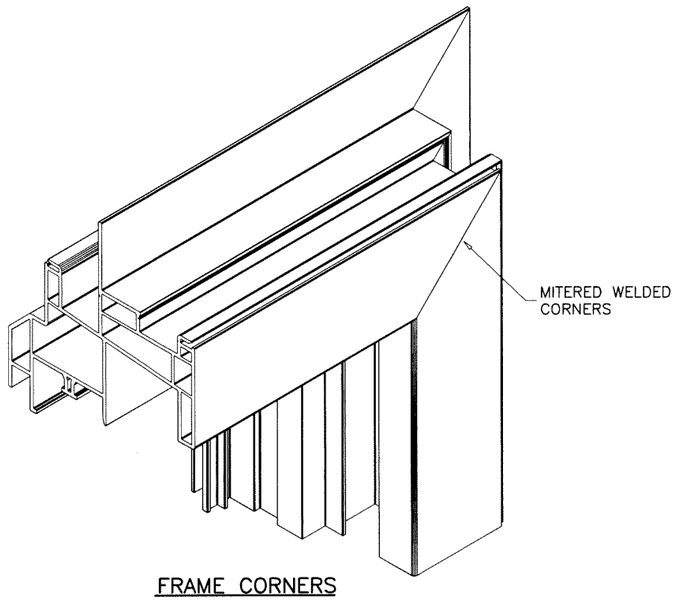
revisions:

no	date	by	description

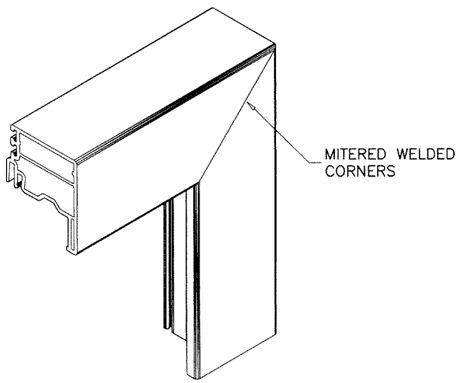
date: 03-04-19
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no. 19-14F

sheet 10 of 11



FRAME CORNERS



VENT CORNERS

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	8917	1	FRAME HEAD (FLANGE/FLUSH)	RIGID PVC	DECEUNINCK
1A	8917	1	FRAME HEAD (FIN)	RIGID PVC	DECEUNINCK
2	8918/8919	2	FRAME JAMB (FLANGE/FLUSH)	RIGID PVC	DECEUNINCK
2A	8918/8919	2	FRAME JAMB (FIN)	RIGID PVC	DECEUNINCK
3	8911	1	FRAME SILL (FLANGE/FLUSH)	RIGID PVC	DECEUNINCK
3A	8911	1	FRAME SILL (FIN)	RIGID PVC	DECEUNINCK
4	5313	1	FIX. VENT TOP RAIL	RIGID PVC	DECEUNINCK
5	5309	1	FIX. VENT BOTTOM RAIL	RIGID PVC	DECEUNINCK
6	5308	1	MOV. VENT TOP RAIL	RIGID PVC	DECEUNINCK
7	5305	1	MOV. VENT BOTTOM RAIL	RIGID PVC	DECEUNINCK
8	5307	1	FIX. VENT SIDE RAIL	RIGID PVC	DECEUNINCK
9	5306	1	MOV. VENT SIDE RAIL	RIGID PVC	DECEUNINCK
10	5142	1	SILL RISER	RIGID PVC	DECEUNINCK
10A	5143	1	ALT. SILL RISER	RIGID PVC	DECEUNINCK
11	5144	AS REQD.	GLAZING BEAD	RIGID PVC	DECEUNINCK
12	8346	AS REQD.	FLANGE ADAPTER	RIGID PVC	DECEUNINCK
13	6604	AS REQD.	REINFORCING	6063–T6	–
14	6608	AS REQD.	REINFORCING	6105–T5	–
16	3515	AS REQD.	POLYPILE WITH FIN W'STRIPPING	–	ULTRAFAB
17	7531	2	VENT STOP	–	CENTRAL PLASTICS
18	7240T	2/ LITE	SETTING BLOCK	EPDM	TB PHILLY
19	–	AS REQD.	EXTRUDED ALUMINUM SCREEN (OPTIONAL)	–	LEADING EDGE

WHITE PVC EXTRUSIONS TO BE LABELED WITH AAMA EXTRUDER CODE, EXTRUDER NAME, CITY AND STATE.

HARDWARE:

METAL SWEEP LOCK WITH ADJACENT KEEPERS BY 'TRUTH' LOCATED AT 12" FROM EACH END OF MOVING VENT TOP RAIL

VINYL TILT LATCH BY 'FOUR–JAKS' AT EACH END OF MOVING VENT TOP RAIL

METAL PIVOT BARS BY 'FOUR–JAKS' LOCATED AT EACH END OF MOVING VENT BOTTOM RAIL

NIGHT LATCHES BY 'FOUR–JAKS' LOCATED AT UPPER VENT, 3" ABOVE MEETING RAILS

CONSTANT FORCE BALANCE BY 'FOUR–JAKS' ONE IN EACH JAMB

Sealed: 9/25/2026

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL #29511

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ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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