

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 2020 (7TH 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.

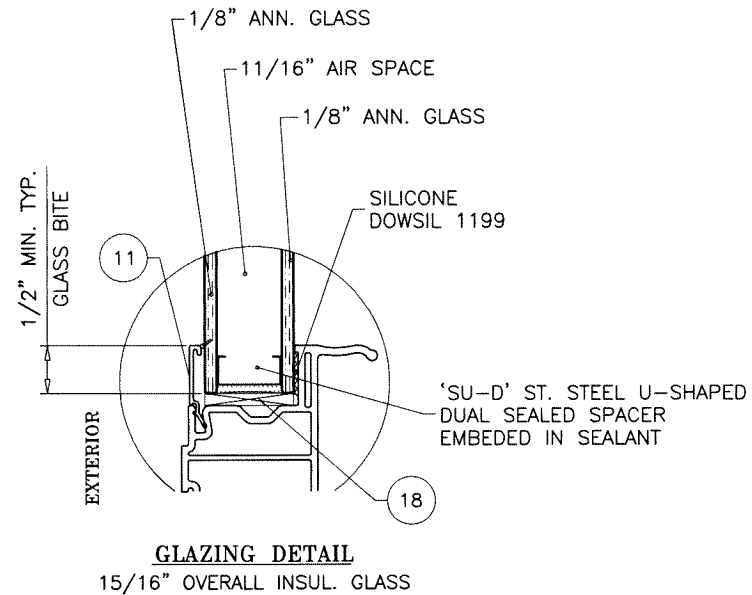
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020 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.

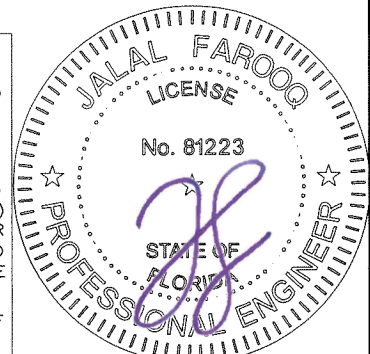


Sealed: 3/9/2021

INSULATING GLASS NON IMPACT

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.



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

VIVINCO, INC.

851 HEMLOCK ROAD
MORCANTOWN PA 19543

PHONE: (610) 286-8884 FAX: (610) 286-8877

AL-FAROOQ CORPORATION

ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220

MIAMI, FLORIDA 33173 (C.A.N. 3538)

COMP-ANL\1

COMP-ANL\19-14F-VI

revisions:	no	date	by	description

A	03.01.21	UPDATED TO 2020 FBC
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[illegible]

date: 03-04-19

scale: $1/2'' = 1''$

dr. by: TARIQ

chk. by:

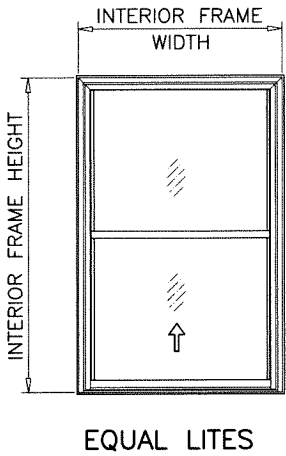
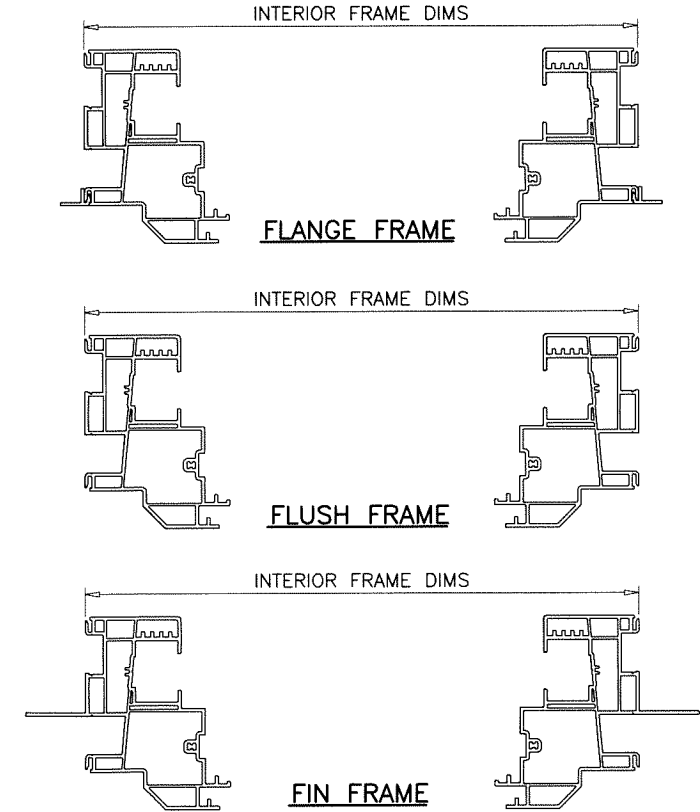
drawing no.

19-14F

sheet 1 of 11

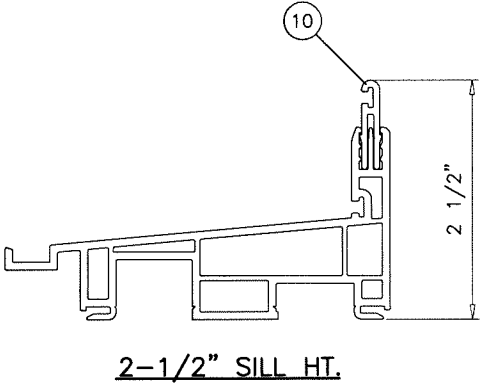
EQUAL LITES WINDOWS (2-1/2" SILL HT.) DESIGN LOAD CAPACITY - PSF											
INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
18-1/8"	25"	71.0	100.0	71.0	100.0	71.0	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

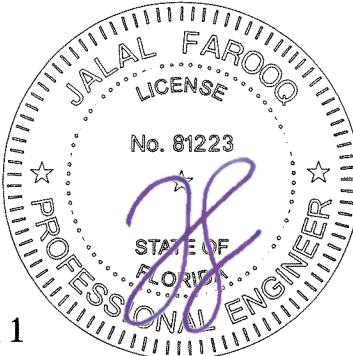


2-1/2" SILL HT.

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

FL #29511

Sealed: 3/9/2021



af c
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COMP-ANL\19-14F-V

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

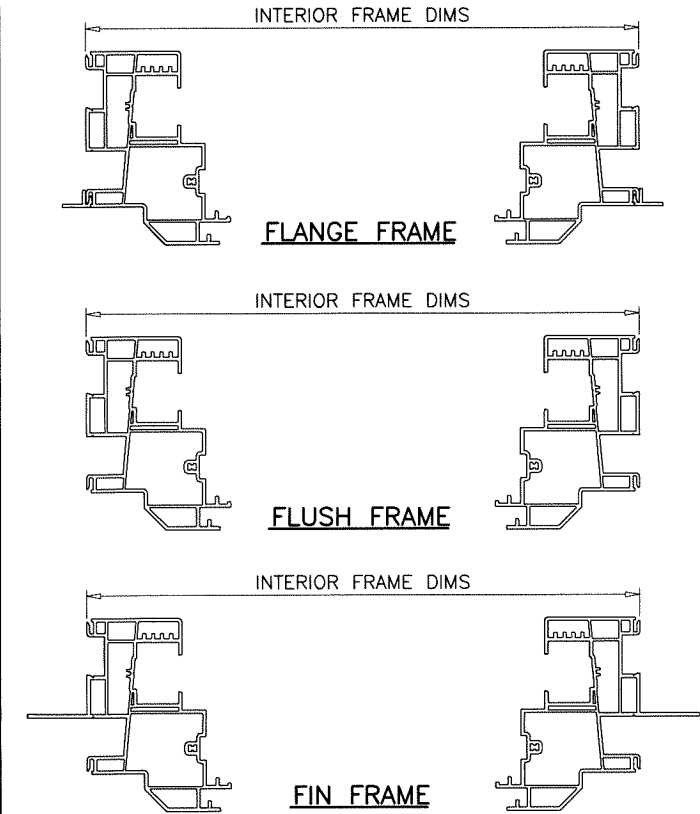
VIVINCO, INC.
851 HEMLOCK ROAD
MORGANTOWN, PA. 19543
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revisions:
no. date by description
1 03-04-19 - - -
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date: 03-04-19
scale: -
dr. by: TARIQ
chk. by:
drawing no.
19-14F
sheet 3 of 11

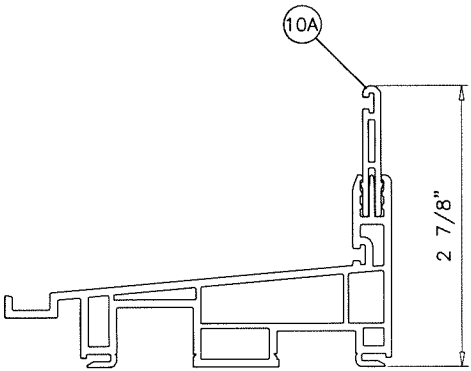
EQUAL LITES WINDOWS (2-7/8" SILL HT.) DESIGN LOAD CAPACITY - PSF											
INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
18-1/8"	25"	71.0	100.0	71.0	100.0	71.0	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

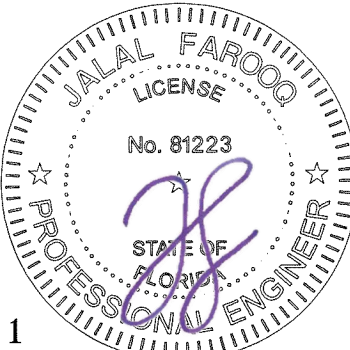
SEE SHEET 5 FOR REINF. DETAILS



2-7/8" SILL HT.

Sealed: 3/9/2021

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



FL #29511

afc
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9360 SUNSET DRIVE, SUITE 220
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TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL 19-14F-VI

SIGNATURE SERIES VINYL SINGLE HUNG WDW. (N.I.)
WIVINCO, INC.
851 HEMLOCK ROAD
MORGANTOWN, PA. 19543
PHONE: (610) 286-8884 FAX: (610) 286-8877

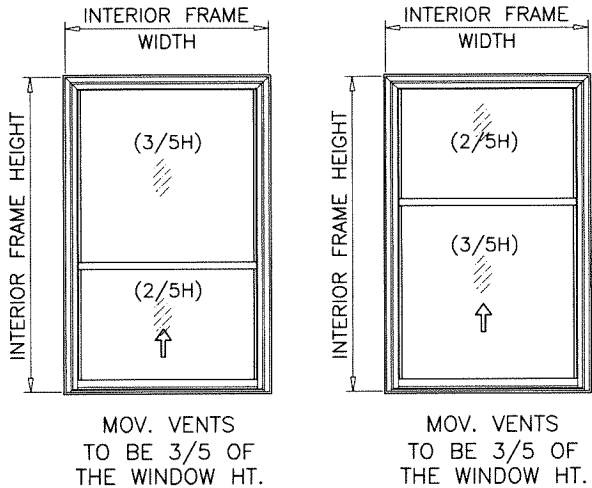
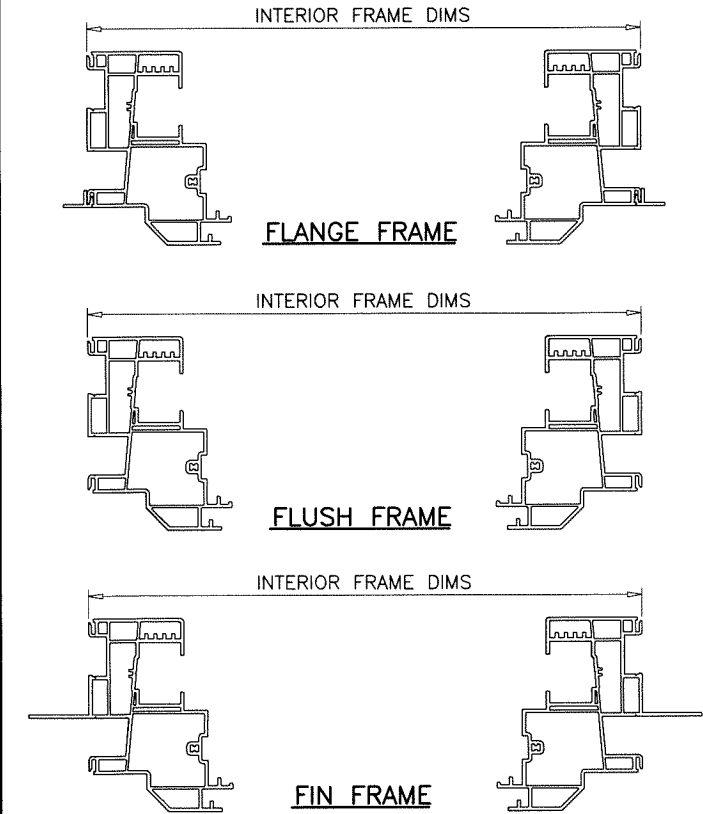
revisions:
no. date by description
date: 03-04-19
scale: -
dr. by: TARIQ
chk. by:
drawing no.
19-14F
sheet 3.1 of 11

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

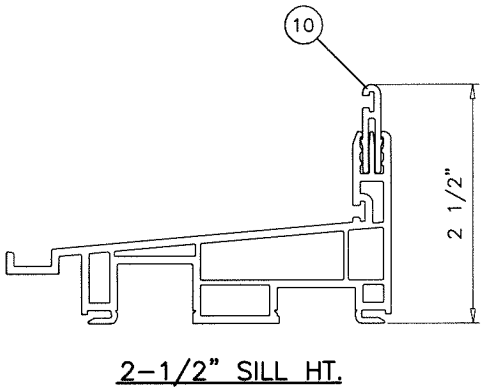
SEE SHEET 5 FOR REINF. DETAILS

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
56"		-	-	-	-	-	-	-	-	-	-
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



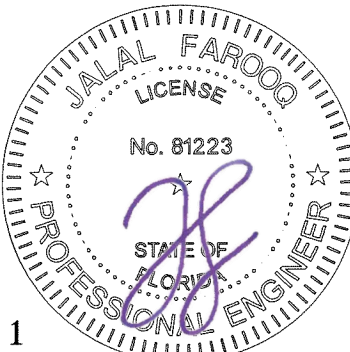
UNEQUAL LITES (ORIEL TYPE)



Sealed: 3/9/2021

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

FL #29511



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)

COMP-ANL\19-14F-VI

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

VIVINCO, 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

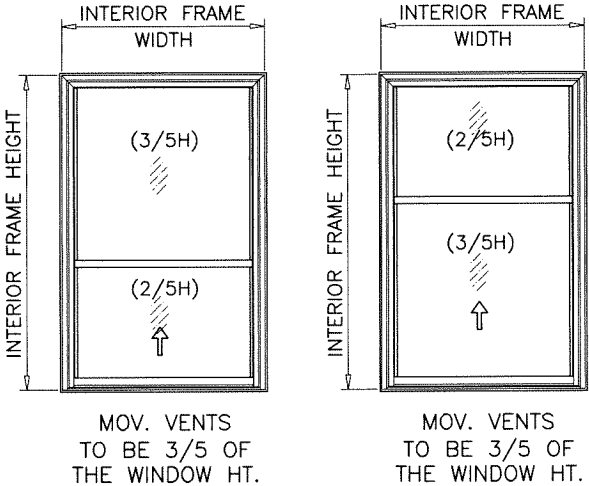
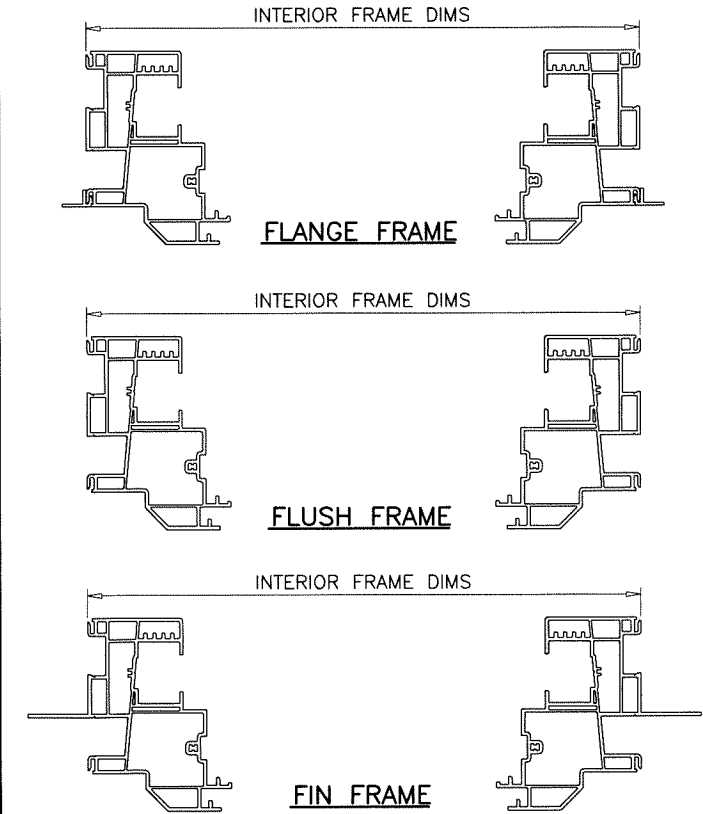
sheet 4 of 11

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

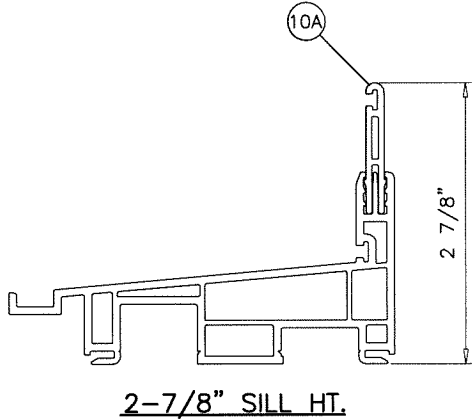
SEE SHEET 5 FOR REINF. DETAILS

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.

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: 3/9/2021



FL #29511



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

COMP - ANL \ 19-14F - VI

revisions:

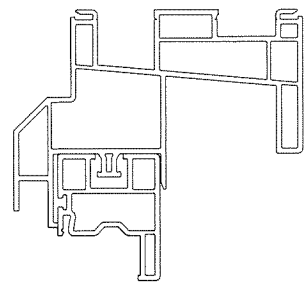
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dr. by: TARIQ
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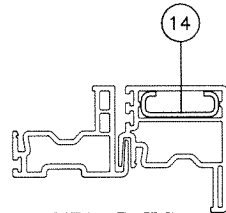
drawing no.
19-14F
sheet 4.1 of 11

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

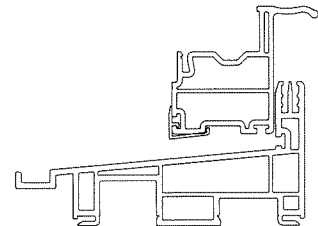
VIVINCO, INC.
851 HEMLOCK ROAD
MORGANTOWN, PA. 19543
PHONE: (610) 286-8884 FAX: (610) 286-8877



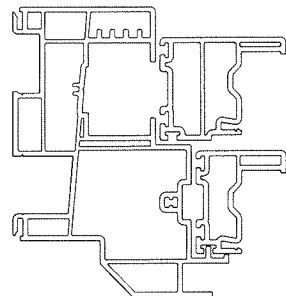
VENT TOP RAIL



MTG. RAILS

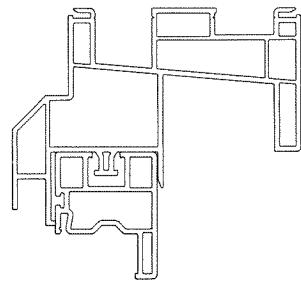


VENT BOTTOM RAIL

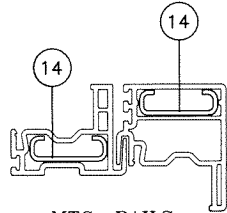


SIDE STILE

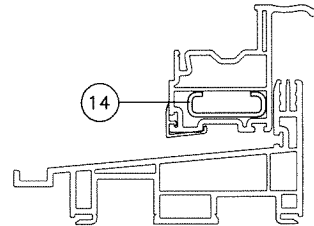
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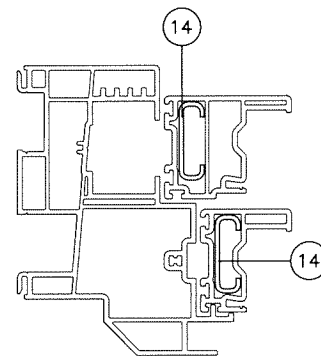
VENT TOP RAIL



MTG. RAILS

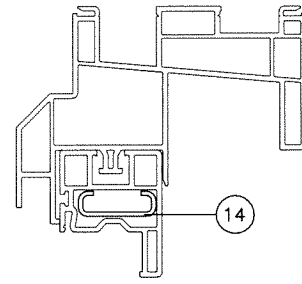


VENT BOTTOM RAIL

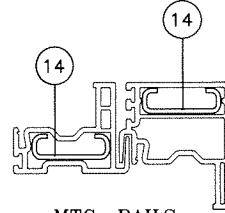


SIDE STILE

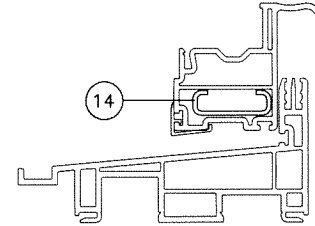
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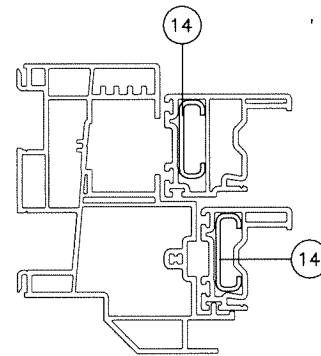
VENT TOP RAIL



MTG. RAILS

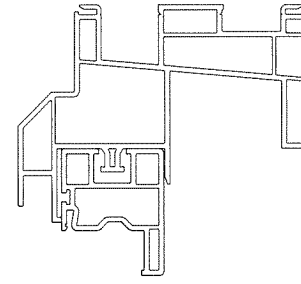


VENT BOTTOM RAIL

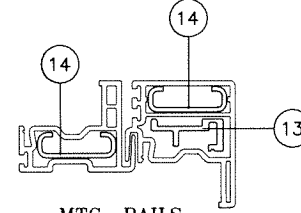


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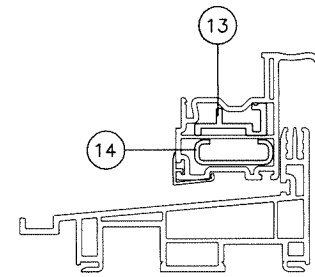
REINF. 'FULL'



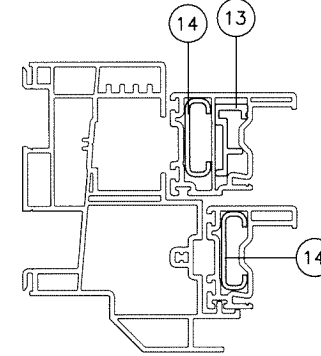
VENT TOP RAIL



MTG. RAILS

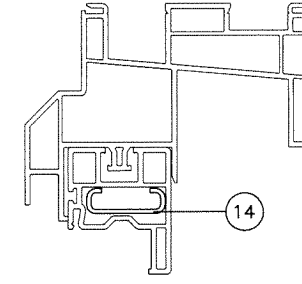


VENT BOTTOM RAIL

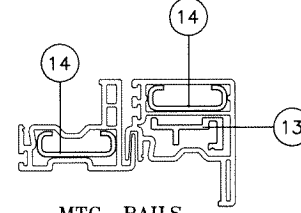


SIDE STILE

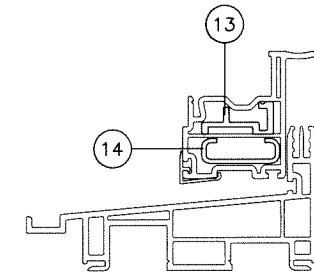
REINF. 'FMTR4'



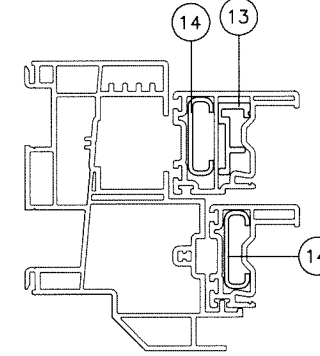
VENT TOP RAIL



MTG. RAILS



VENT BOTTOM RAIL



SIDE STILE

REINF. 'FULL4'

Sealed: 3/9/2021



FL #29511

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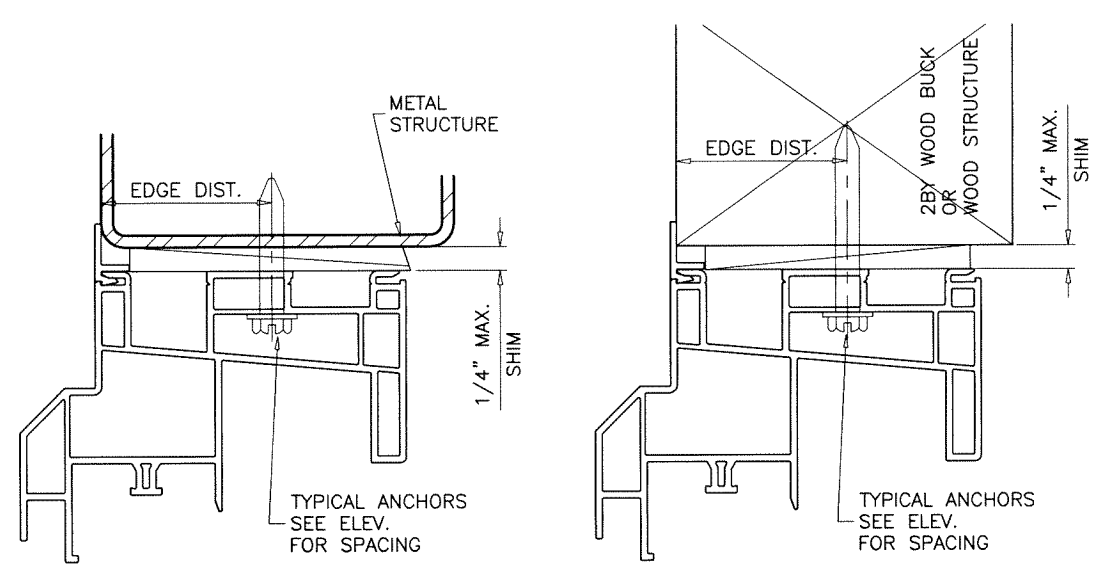
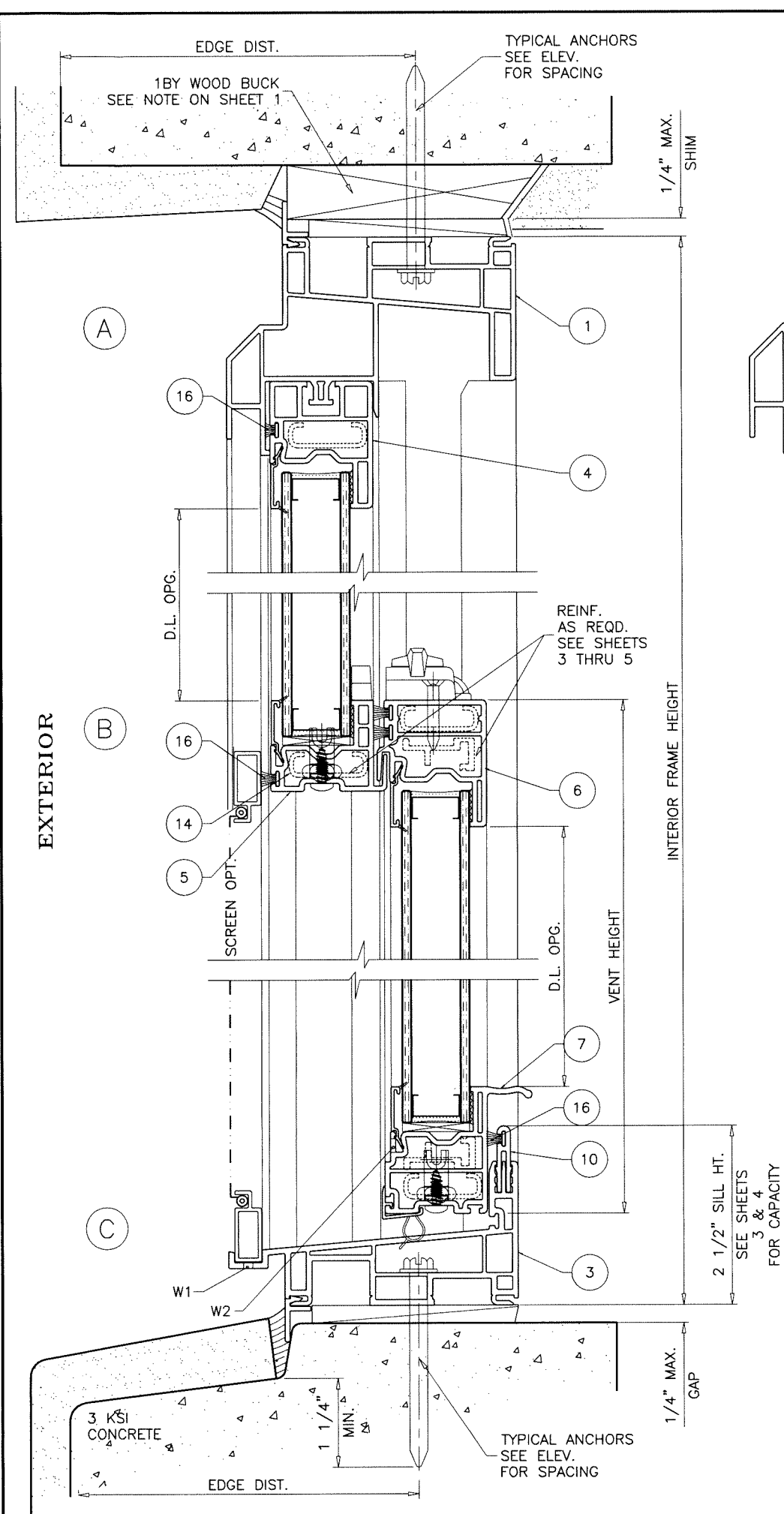
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\19-14F-VI

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

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

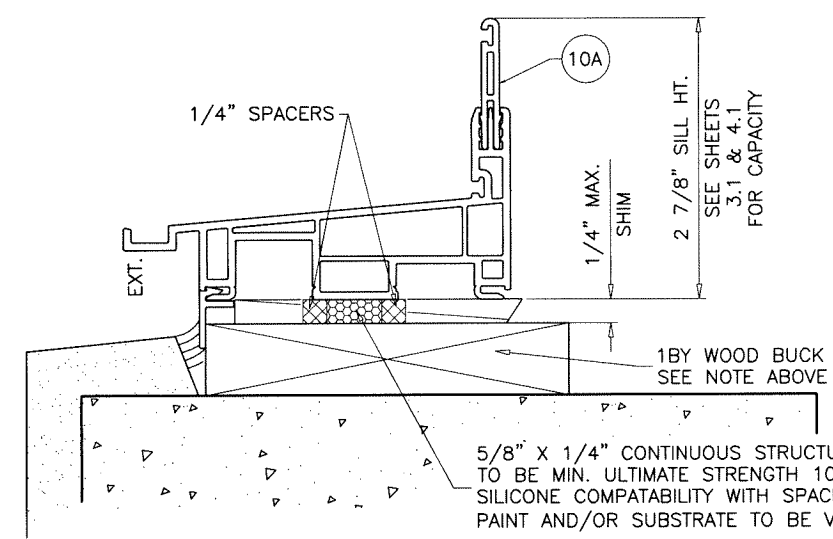
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dr. by:	TARIQ	chk. by:	
drawing no.	19-14F	sheet	5 of 11



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



SILL OPTION WITHOUT FRAME ANCHORS

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)

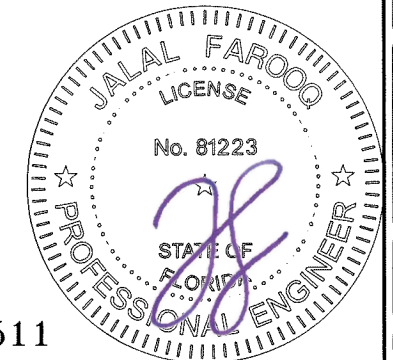
TYPICAL EDGE DISTANCE

- 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.

FLANGE FRAMES

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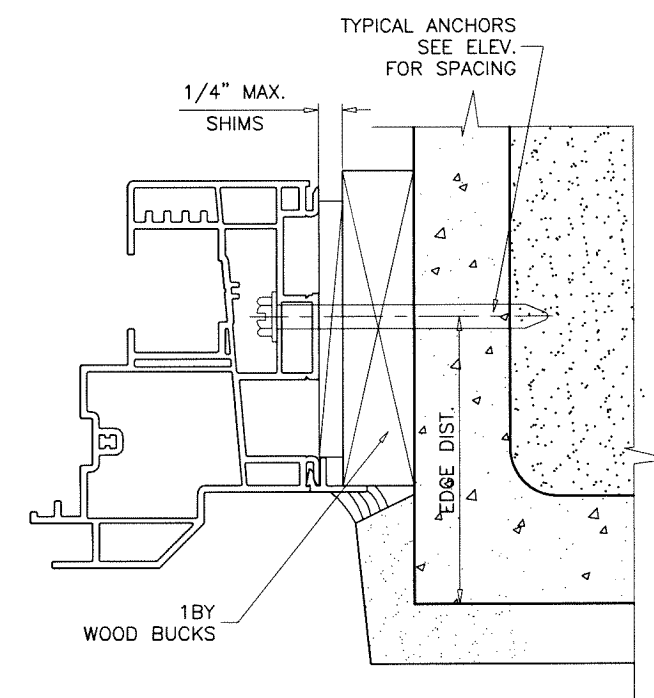
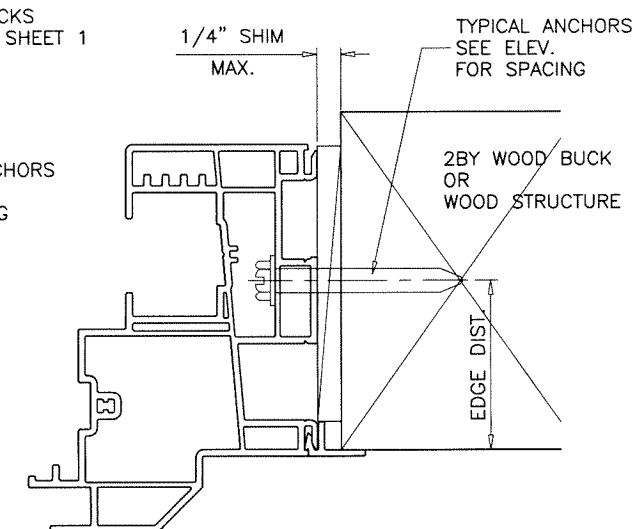
VIWINCO, INC.
 851 HEMLOCK ROAD
 MORGANTOWN, PA. 19543
 PHONE: (610) 286-8884 FAX: (610) 286-8877

revisions:

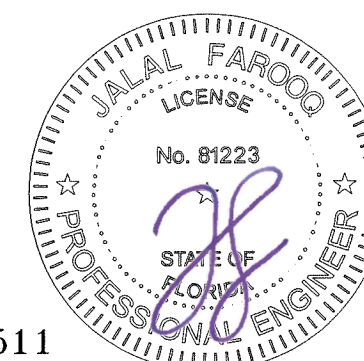
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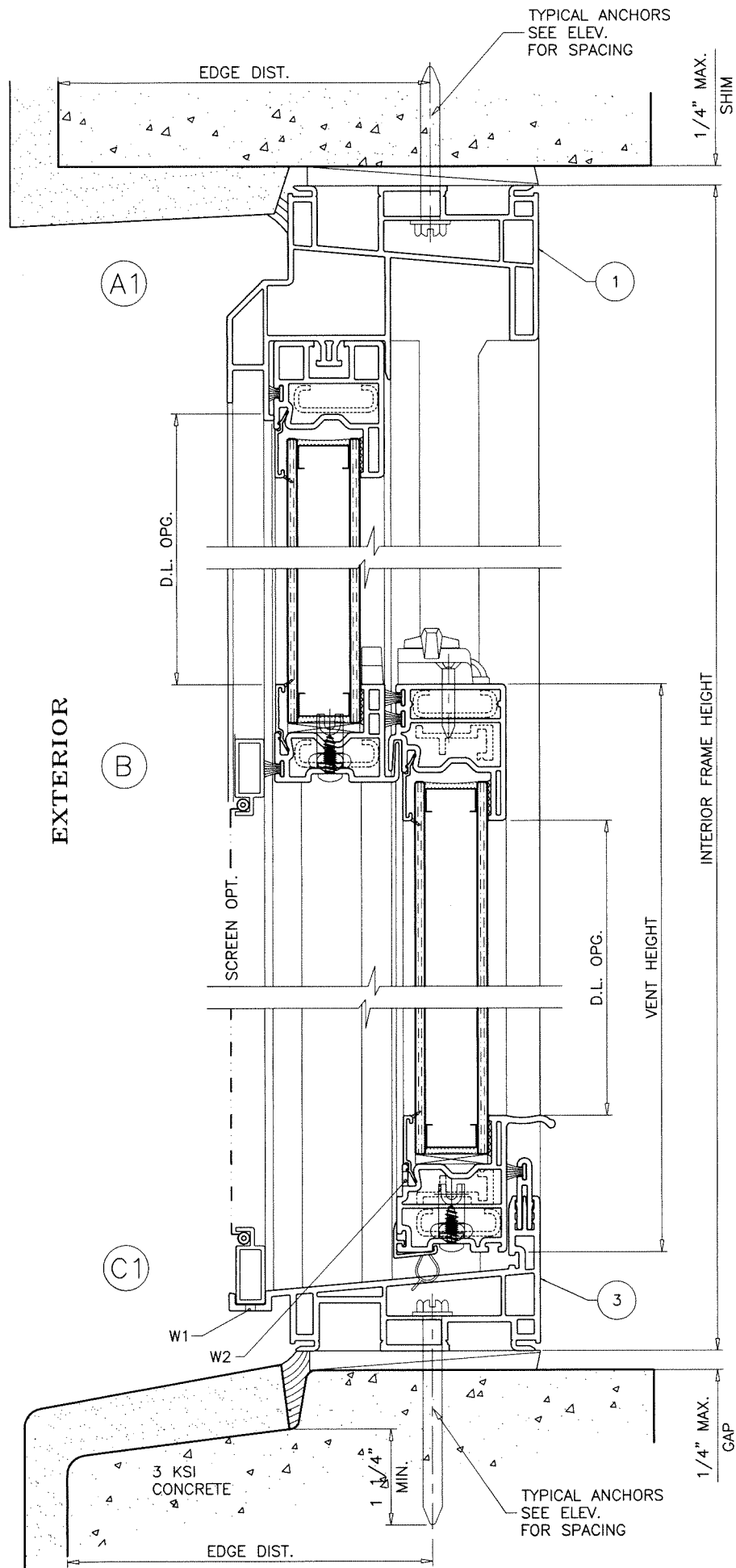


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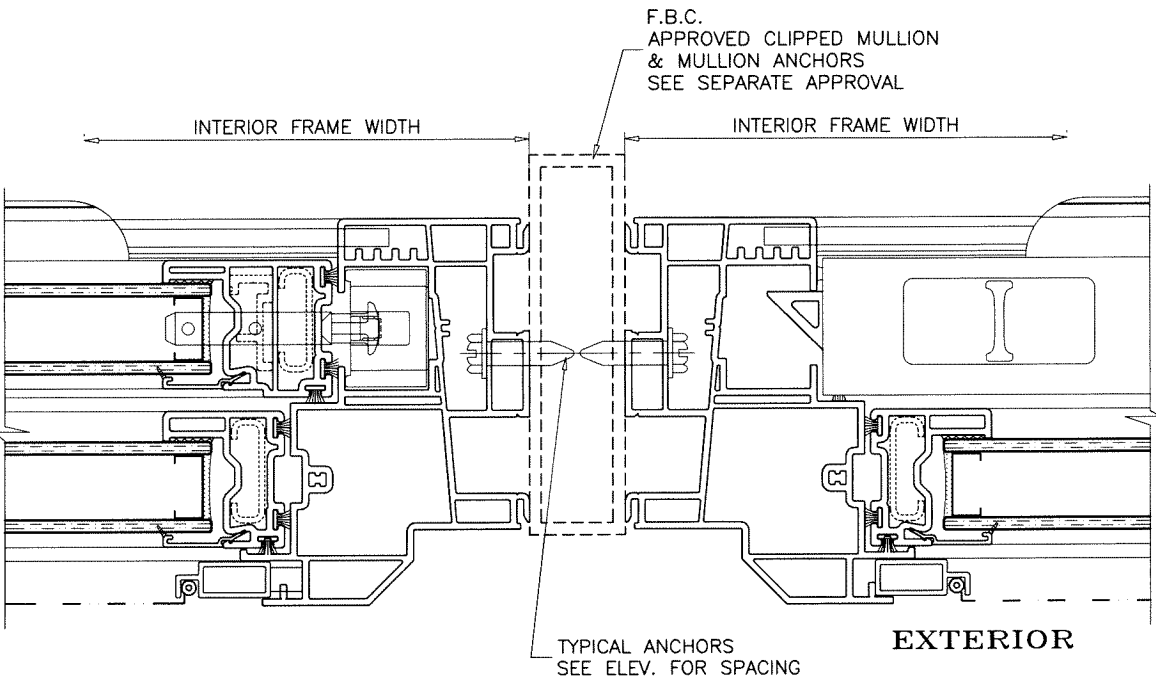
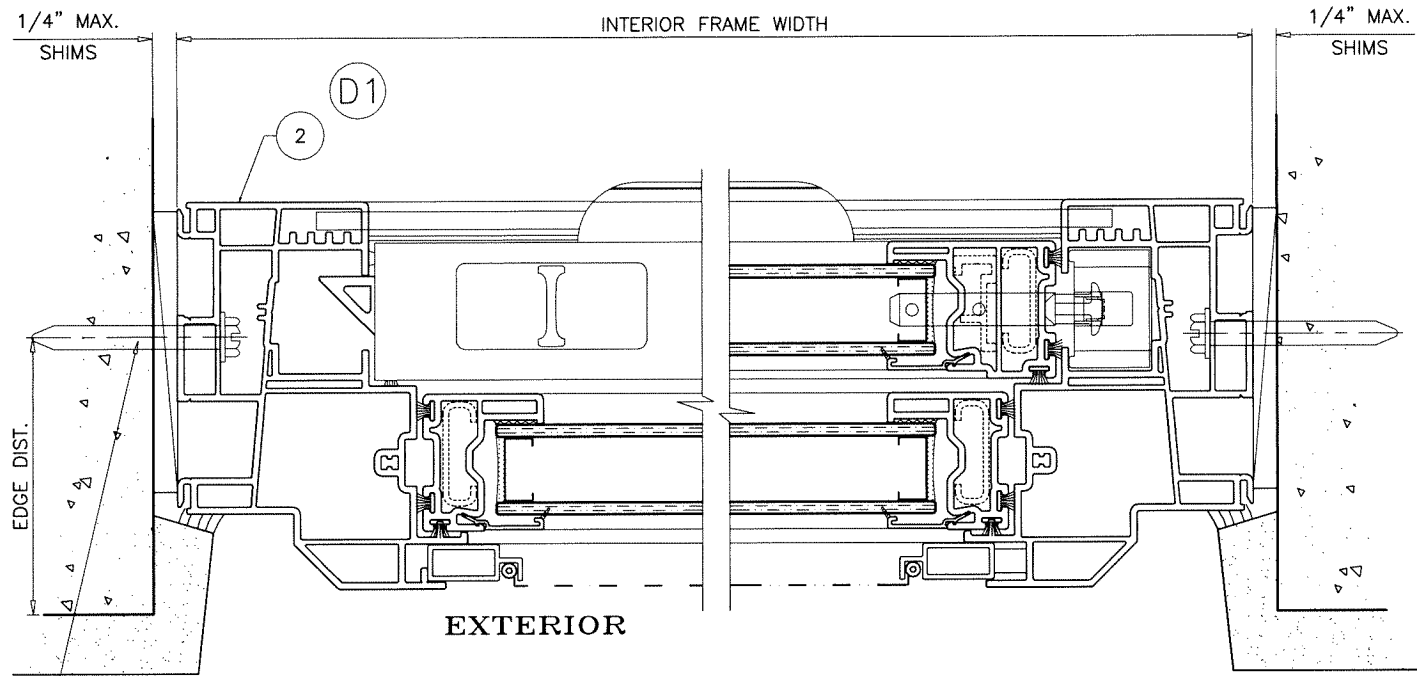


FL #29511

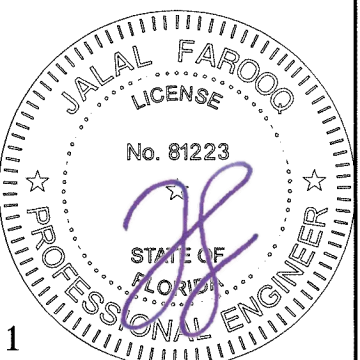
drawing no.
19-14F
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FLUSH FRAMES CAN BE USED AT ALL SUBSTRATES SHOWN ON SHEETS 6 AND 7.



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FLUSH FRAMES



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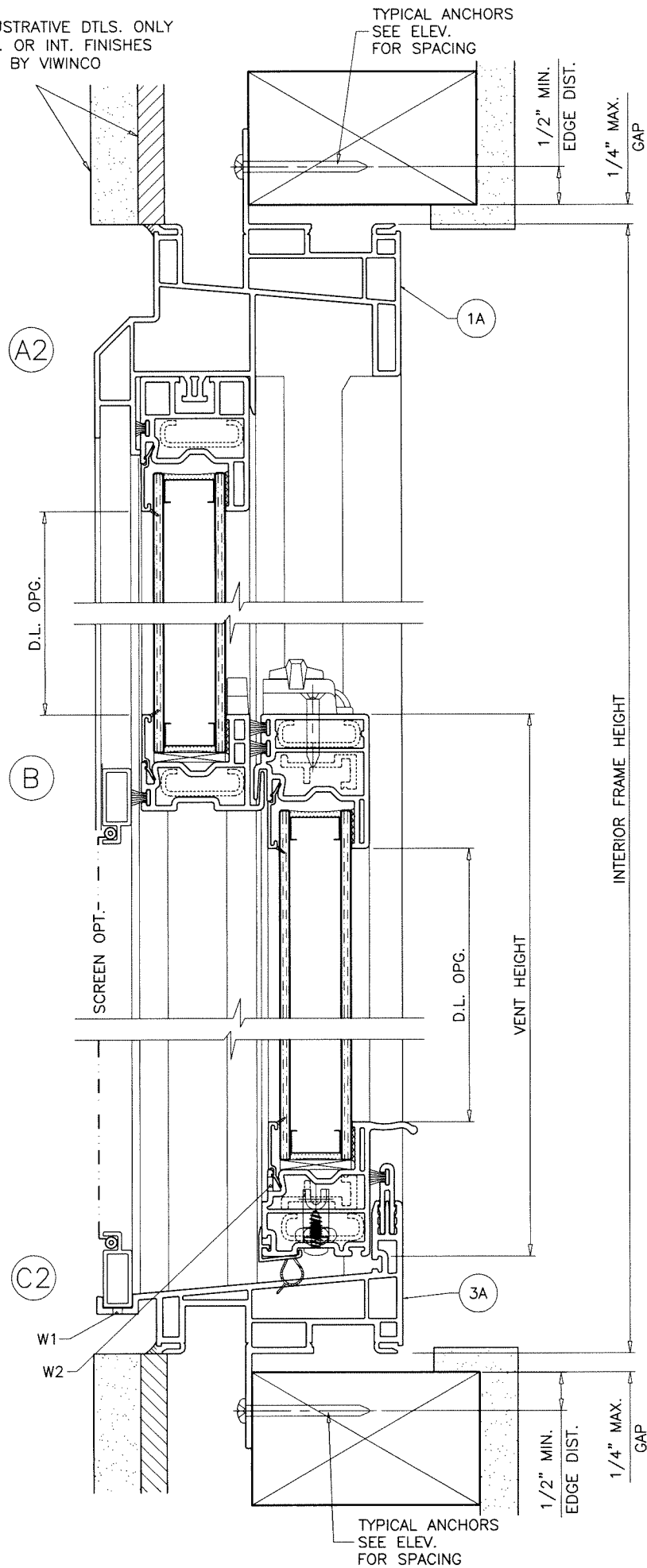
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19-14F

sheet 8 of 11

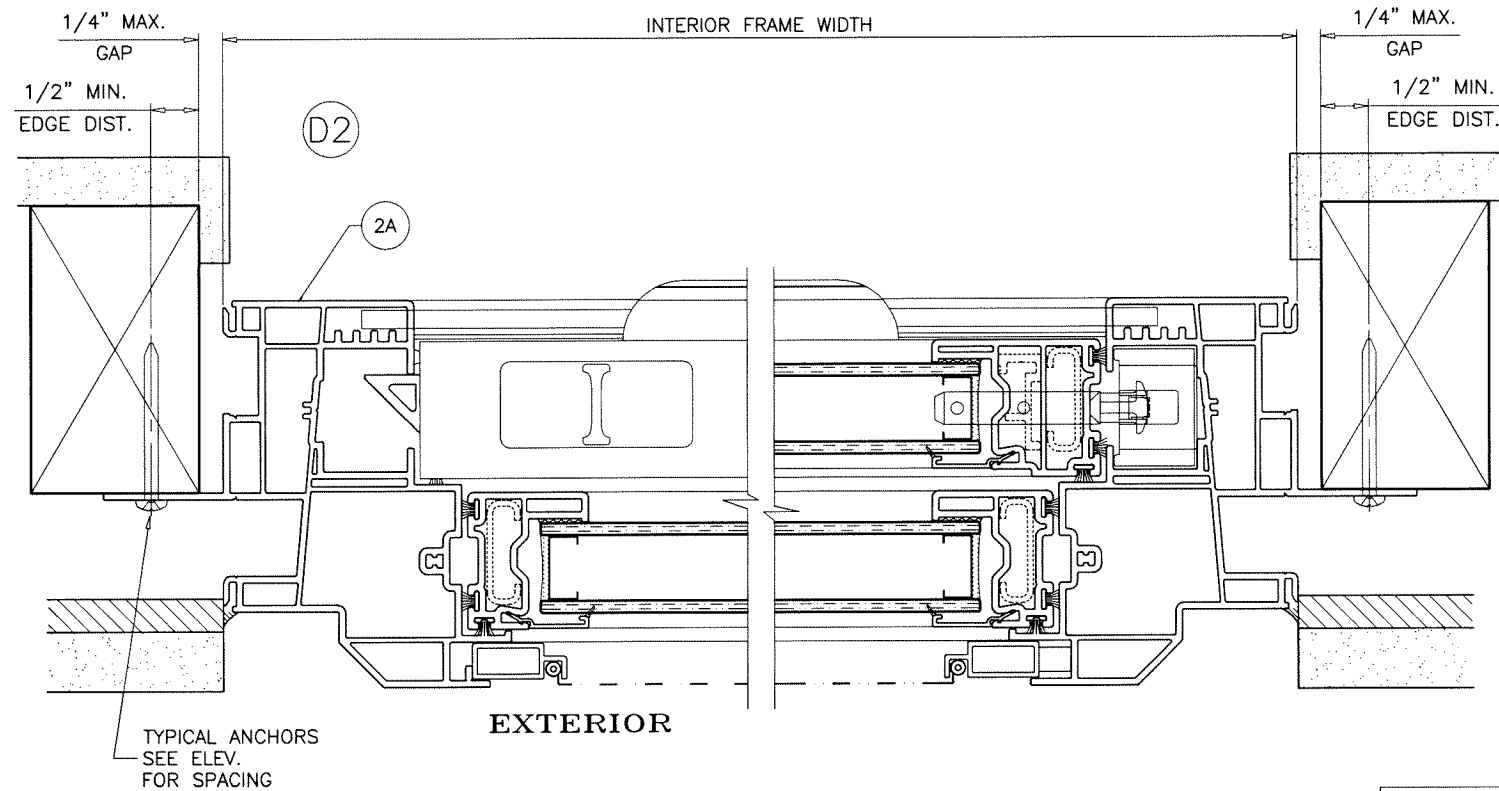
ILLUSTRATIVE DTLS. ONLY
EXT. OR INT. FINISHES
NOT BY VIWINCO

EXTERIOR



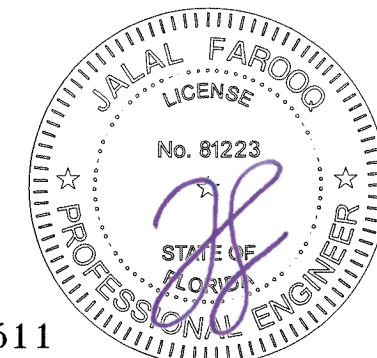
TYPICAL ANCHORS:
FIN FRAMES: SEE ELEV. FOR SPACING

#8 SMS (GRADE 2 CRS)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD
1/2" MIN. EDGE DISTANCE



FIN FRAMES

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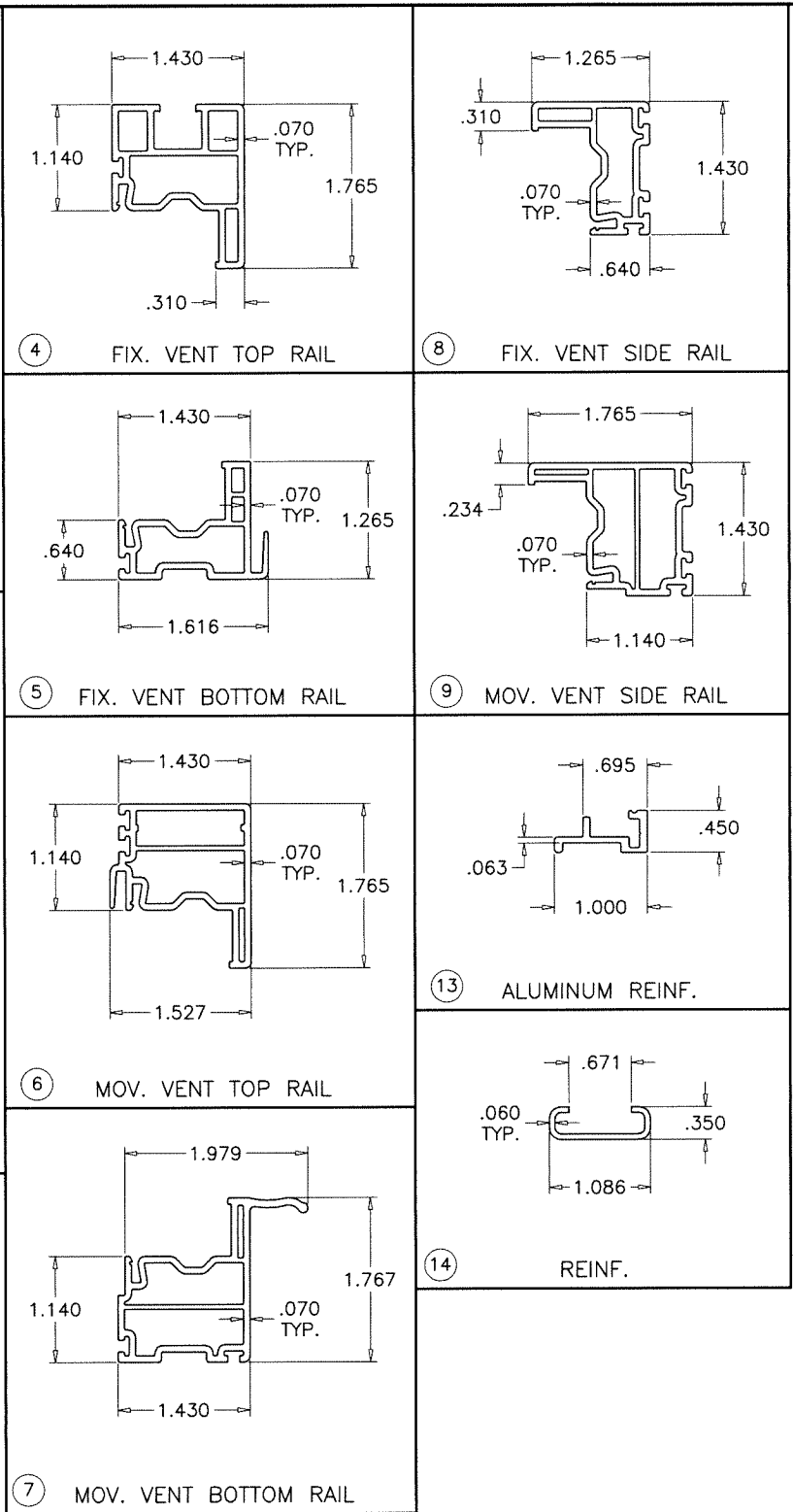
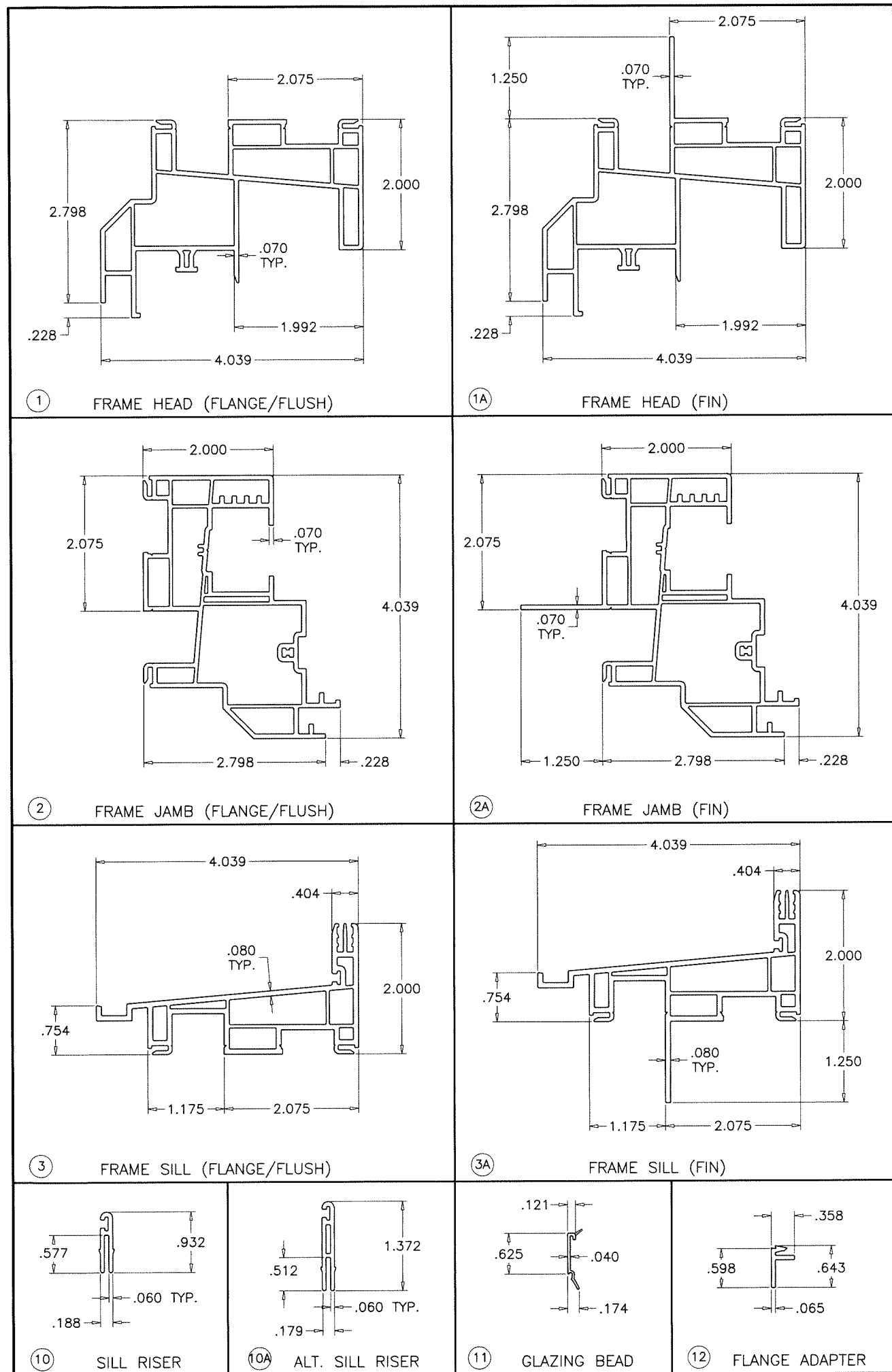
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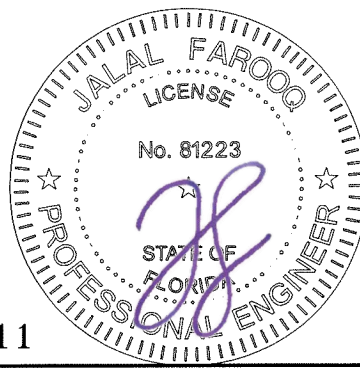
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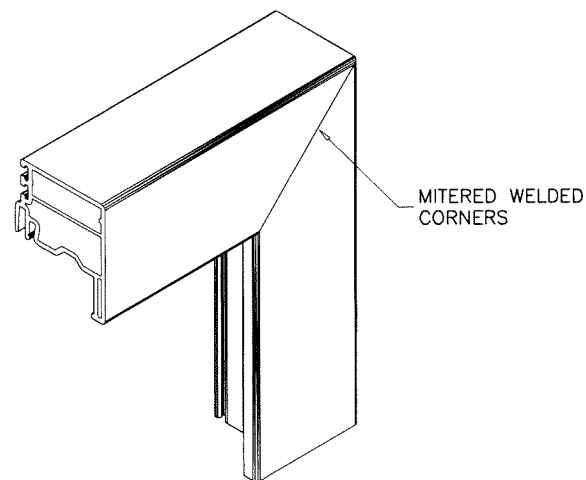
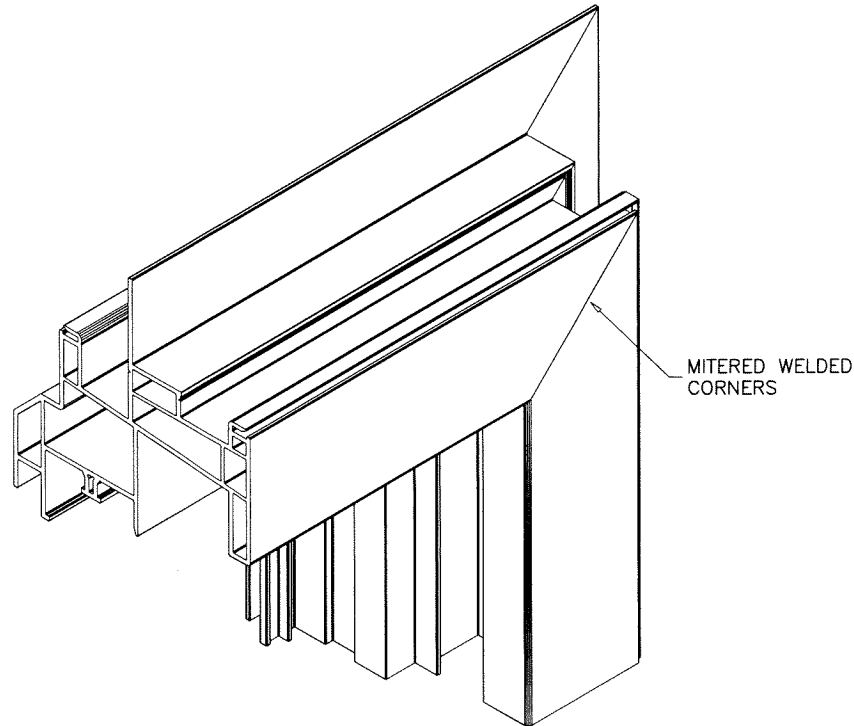
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drawing no.

19-14F

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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

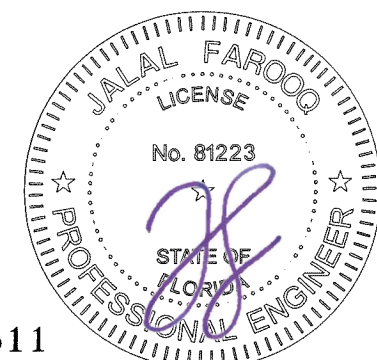
VINYL TILT LATCH BY 'FOUR-JAKS' AT EACH END OF MOVING VENT TOP RAIL

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

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