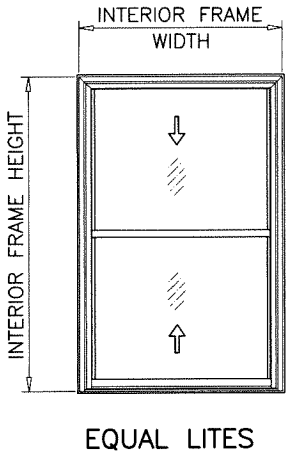
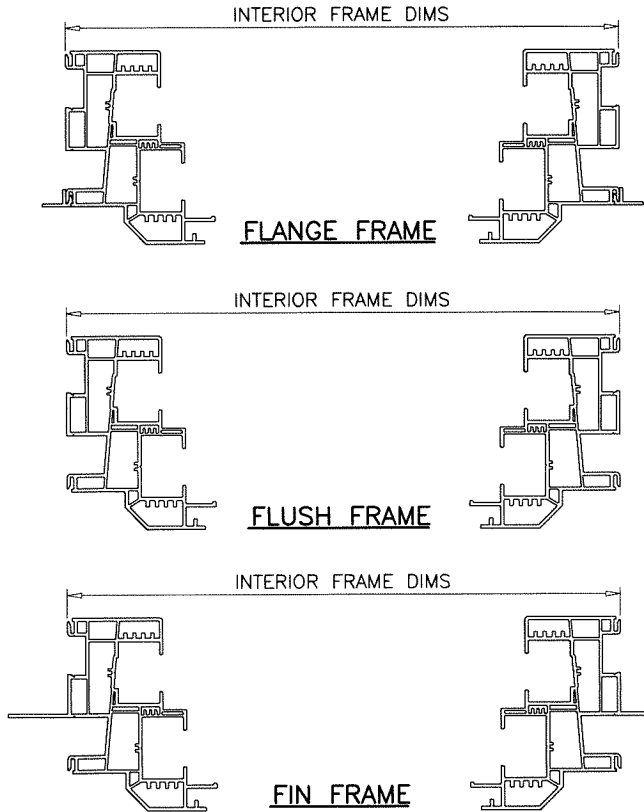


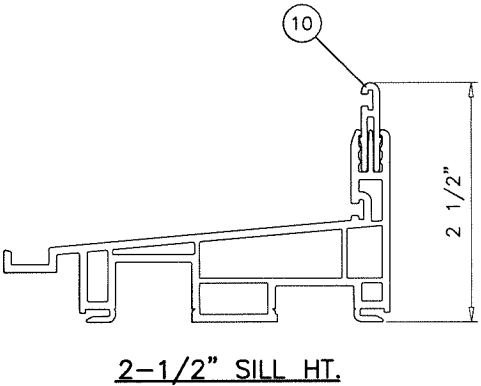
EQUAL LITES WINDOWS (2-1/2" SILL HT.) DESIGN LOAD CAPACITY - PSF											
INTERIOR FRAME DIMS.		REINF. 'LR'		REINF. 'FMTR'		REINF. 'FULL'		REINF. 'FMTR4'		REINF. 'FULL4'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
18-1/8"	25"	71.0	100.0	71.0	100.0	71.0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

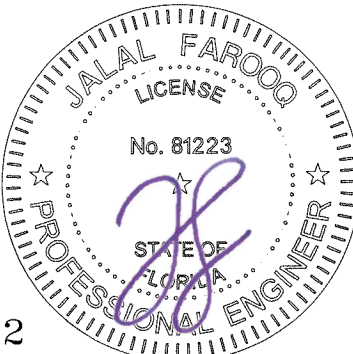
SEE SHEET 5 FOR REINF. DETAILS



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 #29512



af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\19-13F-VI

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

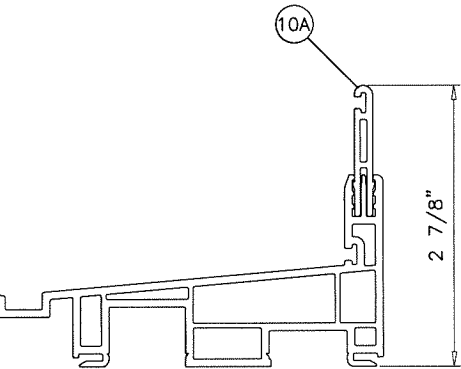
revisions:
no date by description
date: 02-27-19
scale: -
dr. by: TARIQ
chk. by:
drawing no.
19-13F
sheet 3 of 11

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

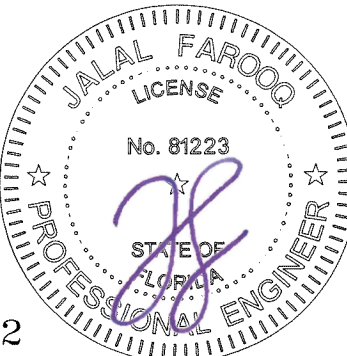
SEE SHEET 5 FOR REINF. DETAILS



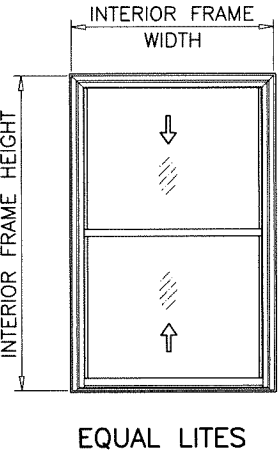
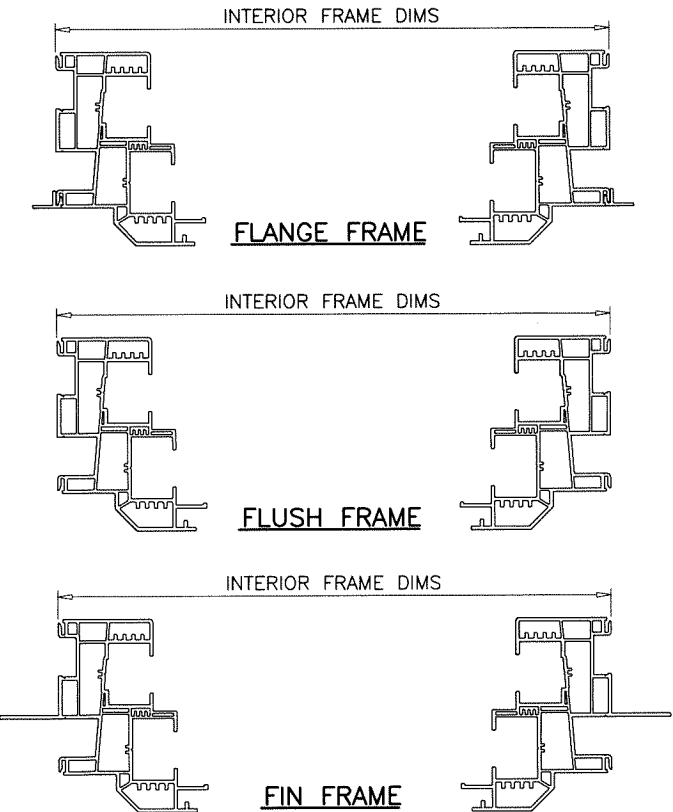
2-7/8" SILL HT.

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 #29512



EQUAL LITES

af c

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\19-13F-VI

SIGNATURE SERIES VINYL DOUBLE 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: 02-27-19 scale: - dr. by: TARIQ chk. by:

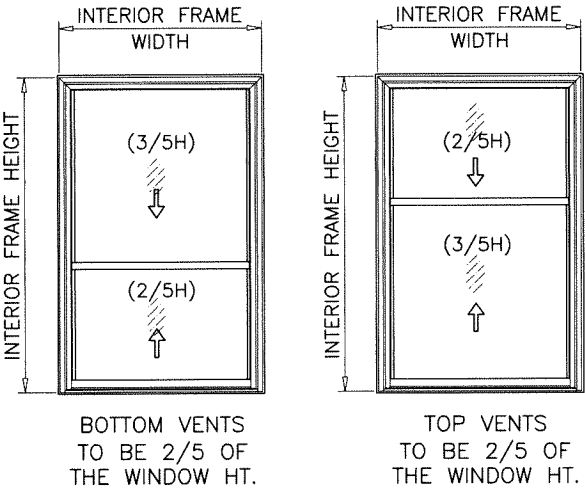
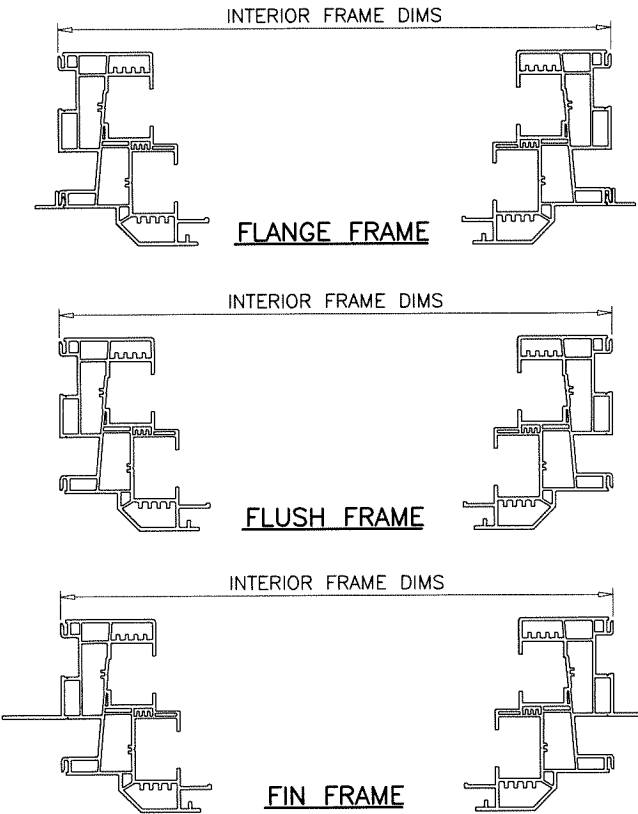
drawing no.
19-13F
sheet 3.1 of 11

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

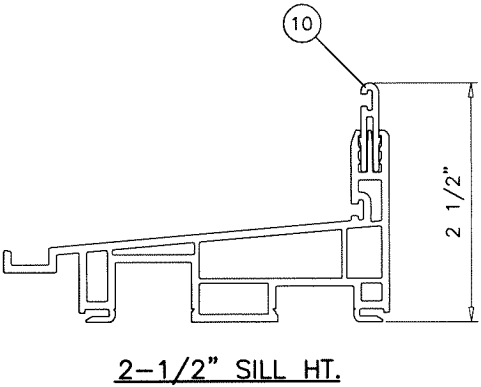
SEE SHEET 5 FOR REINF. DETAILS

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
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



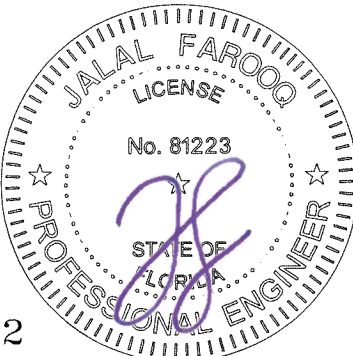
UNEQUAL LITES (ORIEL TYPE)



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 #29512



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

af c

SIGNATURE SERIES VINYL DOUBLE 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: 02-27-19
scale: -
dr. by: TARIQ
chk. by:

drawing no.
19-13F
sheet 4 of 11

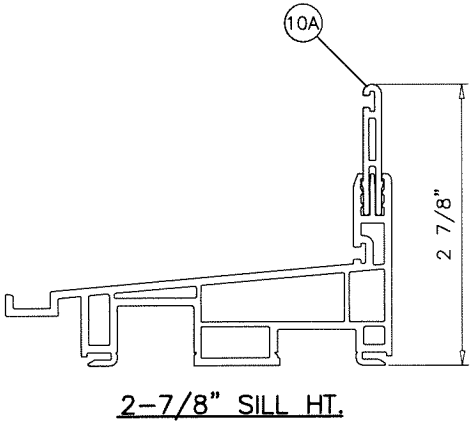
COMP-ANL\19-13F-VI

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

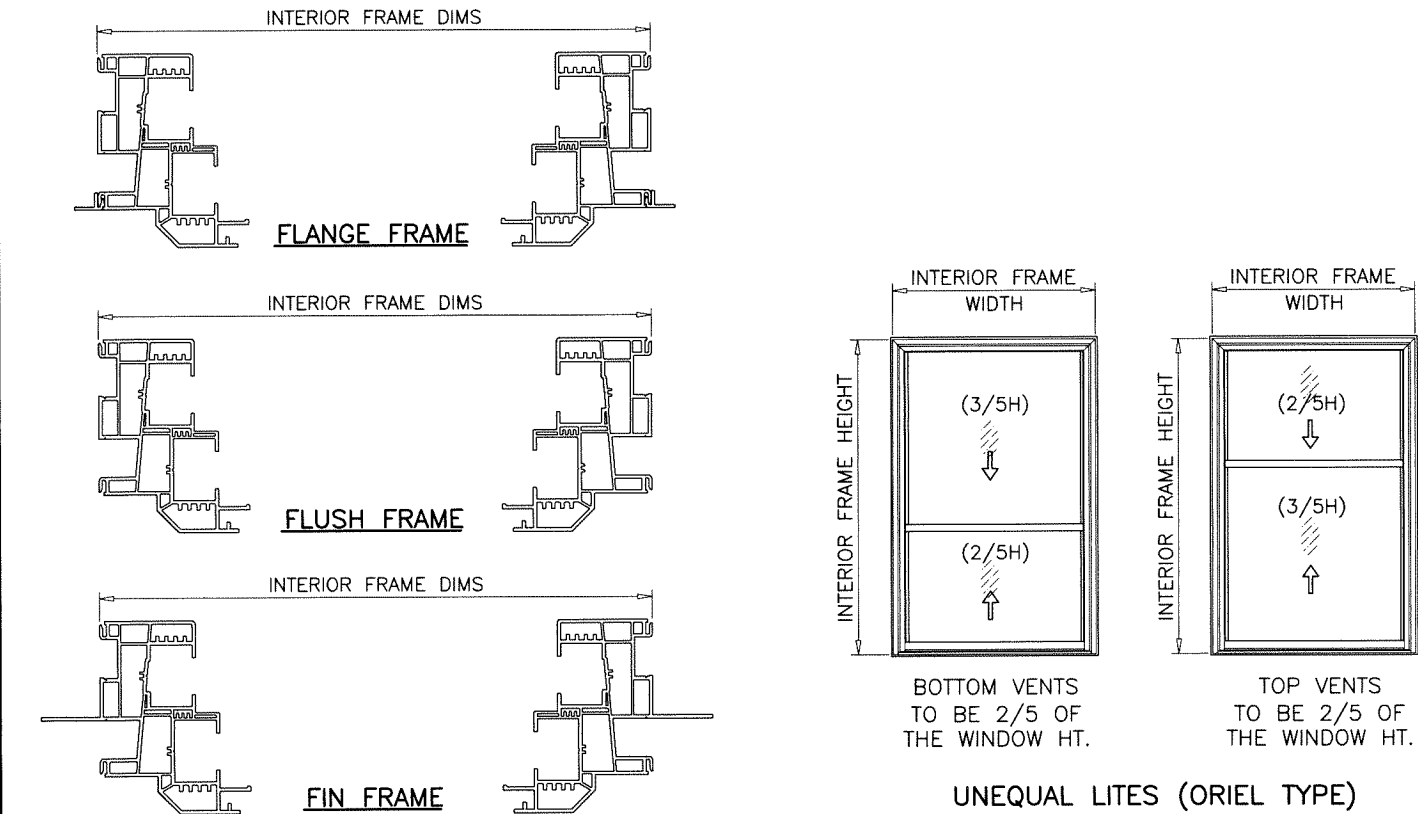


2-7/8" SILL HT.

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 #29512



UNEQUAL LITES (ORIEL TYPE)

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 \ 19-13F-VI

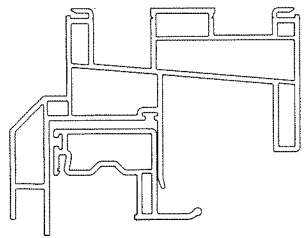
SIGNATURE SERIES VINYL DOUBLE HUNG WDW. (N.I.)

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

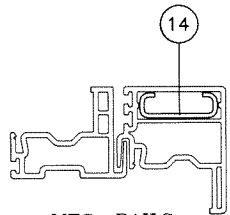
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date: 02-27-19 scale: - dr. by: TARIQ chk. by:

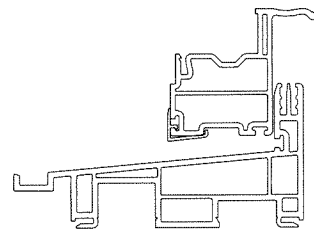
drawing no. 19-13F sheet 4.1 of 11



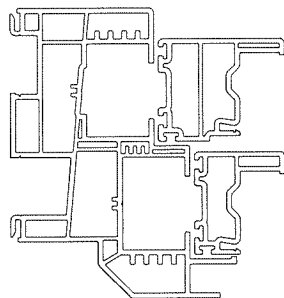
VENT TOP RAIL



MTG. RAILS

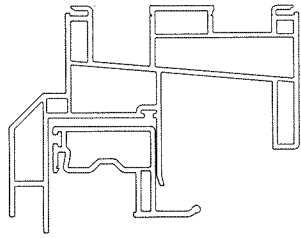


VENT BOTTOM RAIL

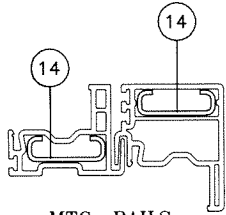


SIDE STILE

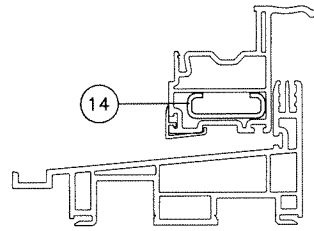
REINF. 'LR'



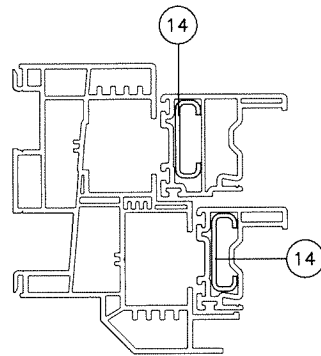
VENT TOP RAIL



MTG. RAILS

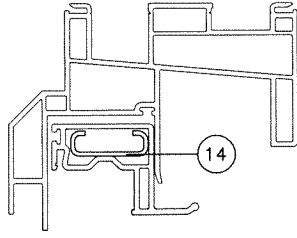


VENT BOTTOM RAIL

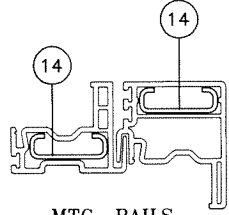


SIDE STILE

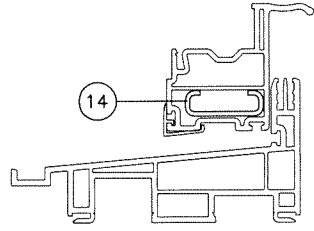
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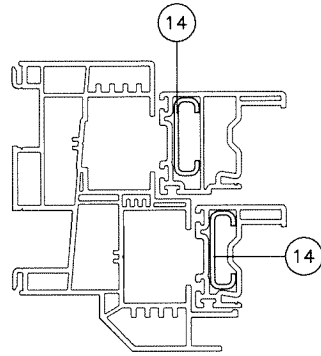
VENT TOP RAIL



MTG. RAILS

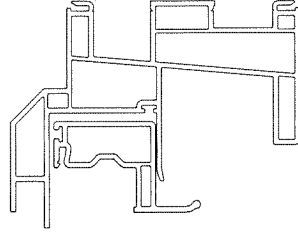


VENT BOTTOM RAIL

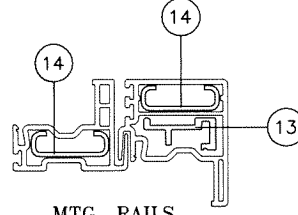


SIDE STILE

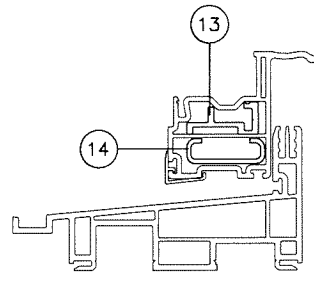
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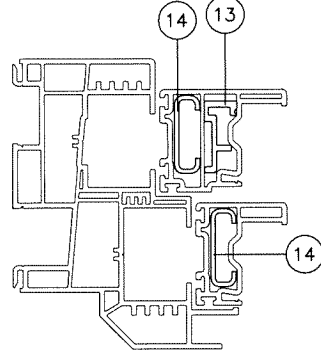
VENT TOP RAIL



MTG. RAILS

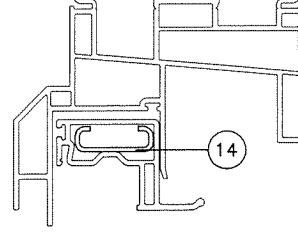


VENT BOTTOM RAIL

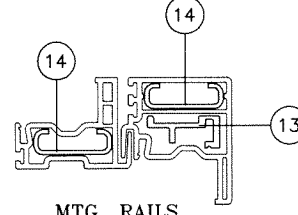


SIDE STILE

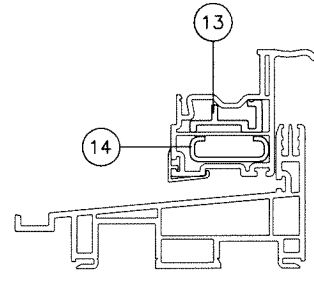
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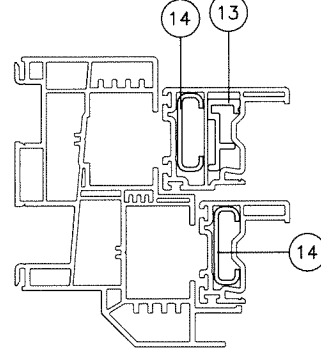
VENT TOP RAIL



MTG. RAILS



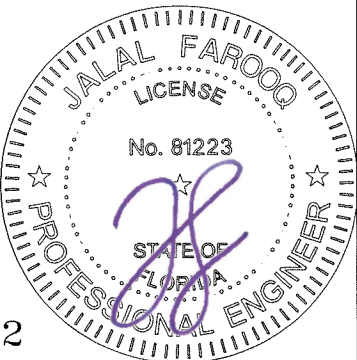
VENT BOTTOM RAIL



SIDE STILE

REINF. 'FULL4'

Sealed: 3/9/2021



FL #29512

af c

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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COMP-ANL\19-13F-VI

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

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851 HEMLOCK ROAD
MORGANTOWN, PA. 19543
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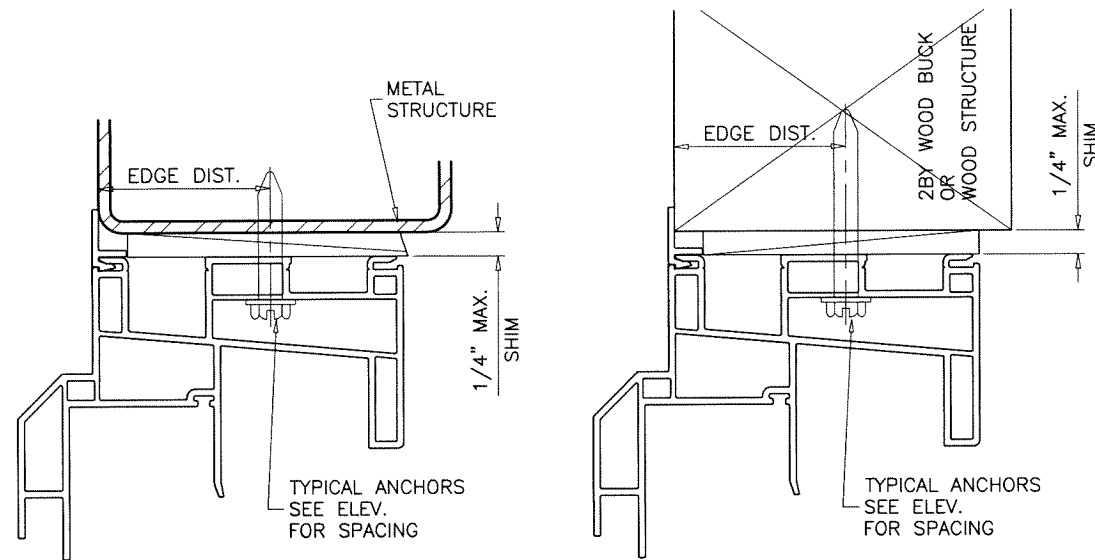
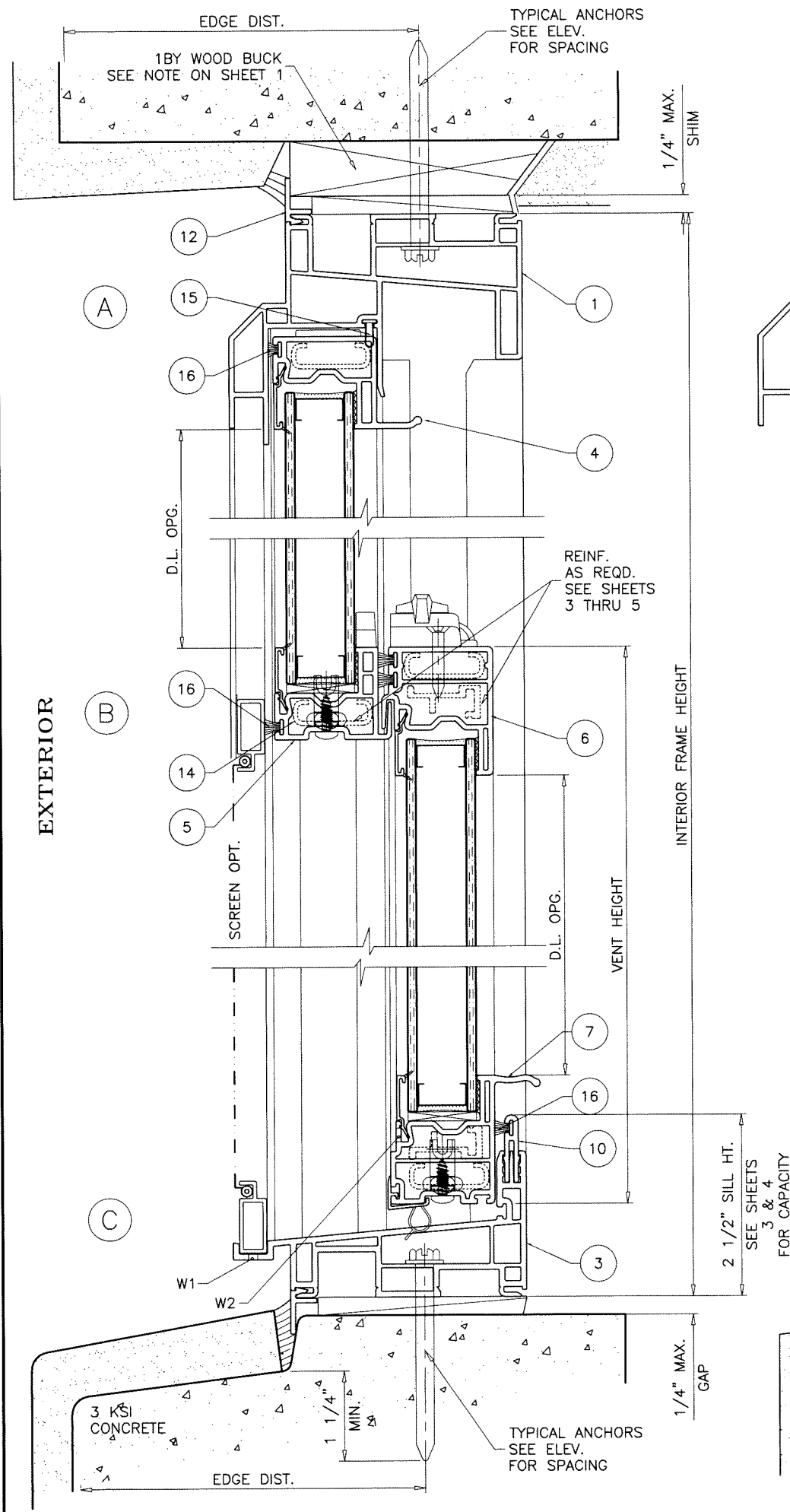
revisions:	
no	date

date: 02-27-19
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
19-13F

sheet 5 of 11

EXTERIOR



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)

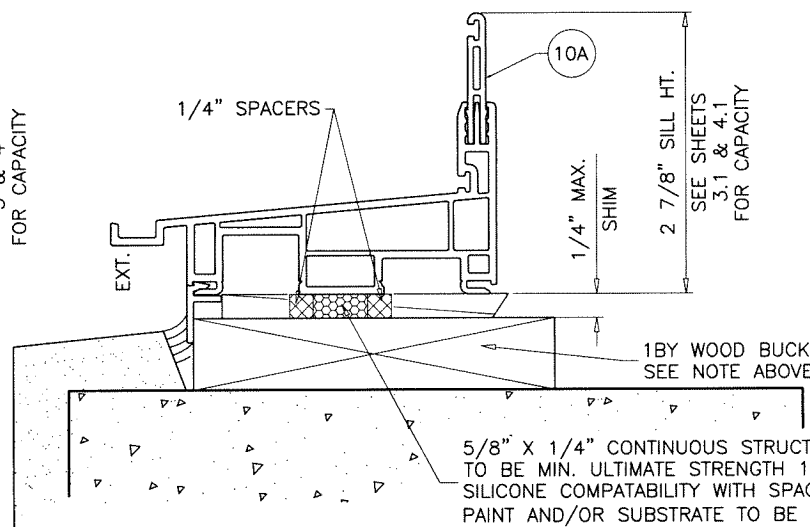
DIRECTLY INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

#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.

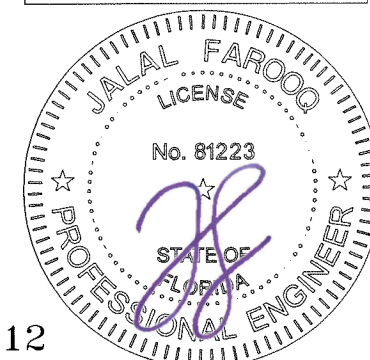
WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



SILL OPTION WITHOUT FRAME ANCHORS

FLANGE FRAMES

Sealed: 3/9/2021



FL #29512

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\19-13F-VI

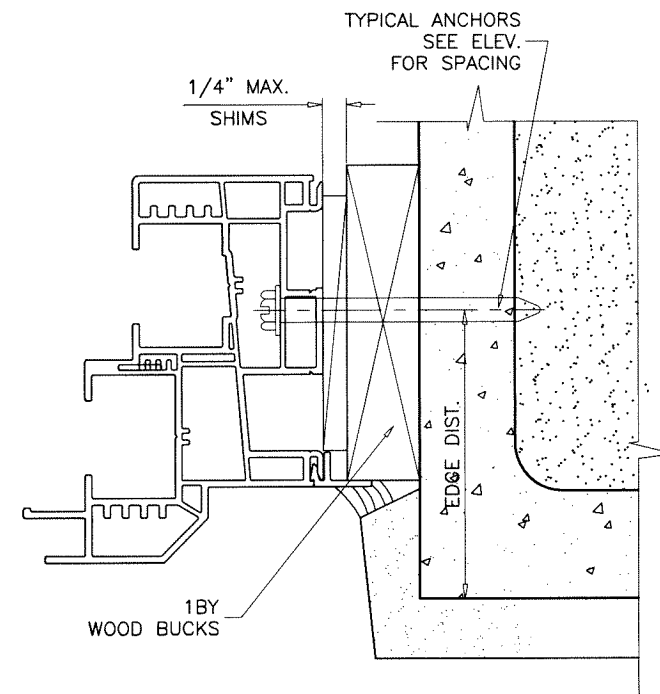
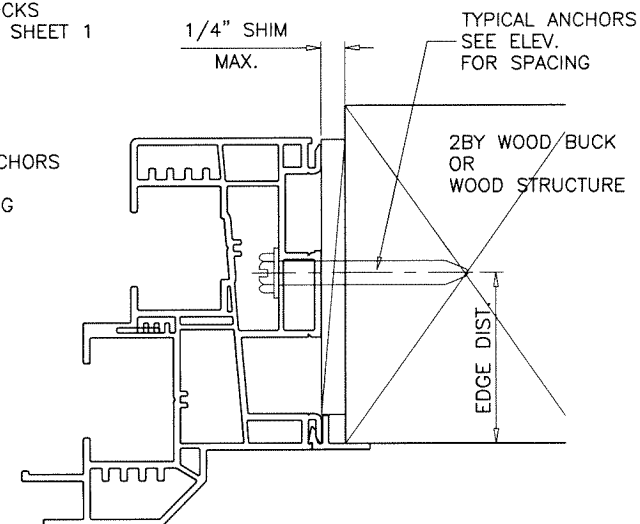
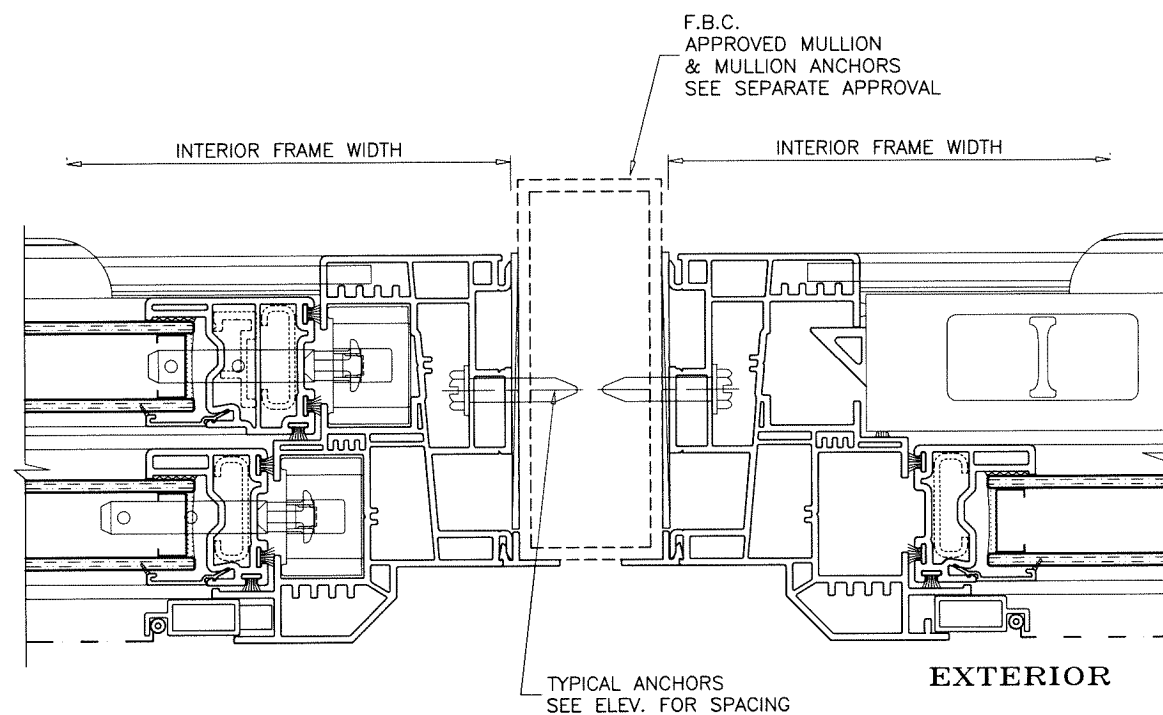
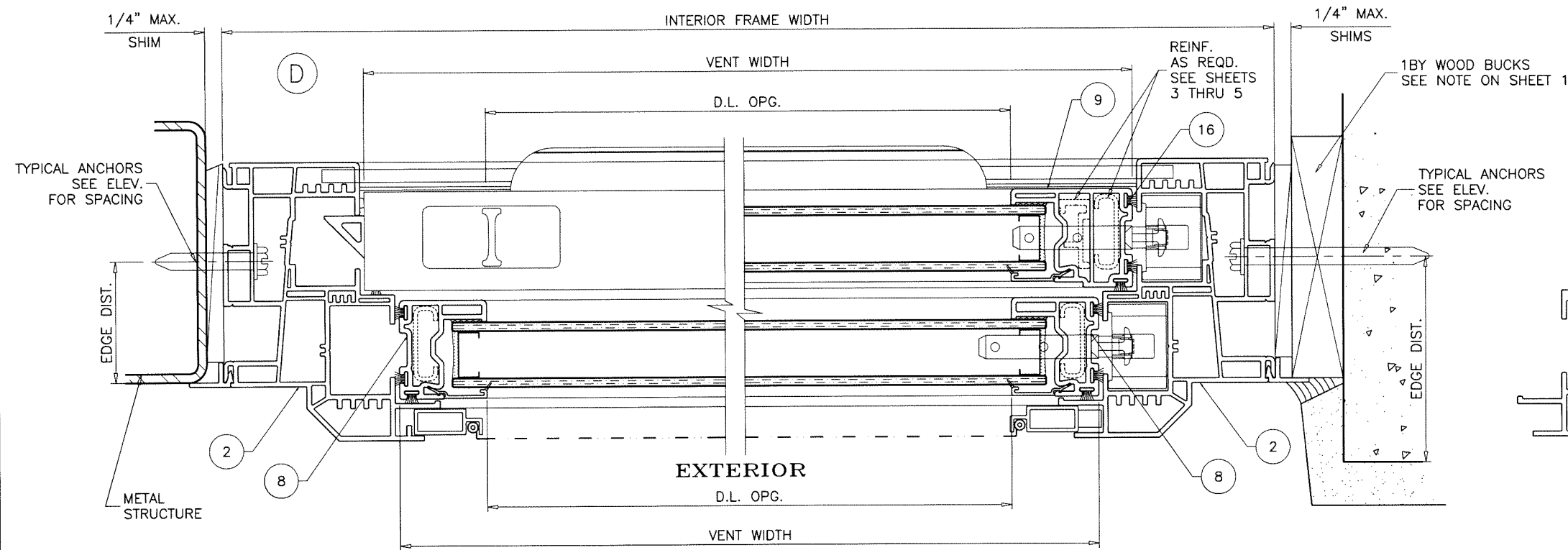
SIGNATURE SERIES VINYL DOUBLE HUNG WDW. (N.I.)

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

revisions:	
no	date by description

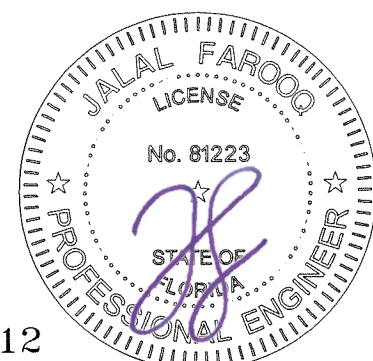
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dr. by: TARIQ
chk. by:

drawing no.
19-13F
sheet 6 of 11



FLANGE FRAMES

Sealed: 3/9/2021



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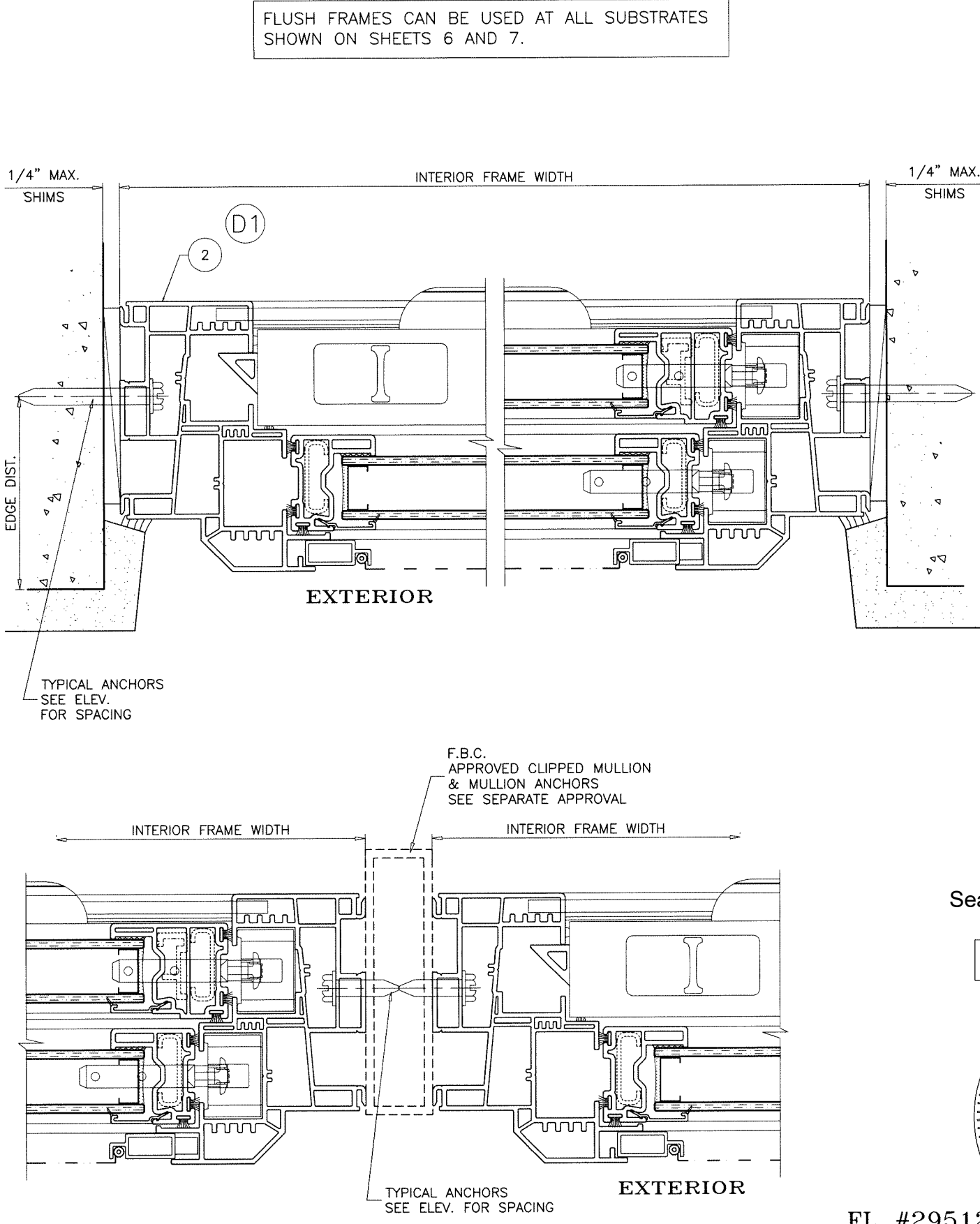
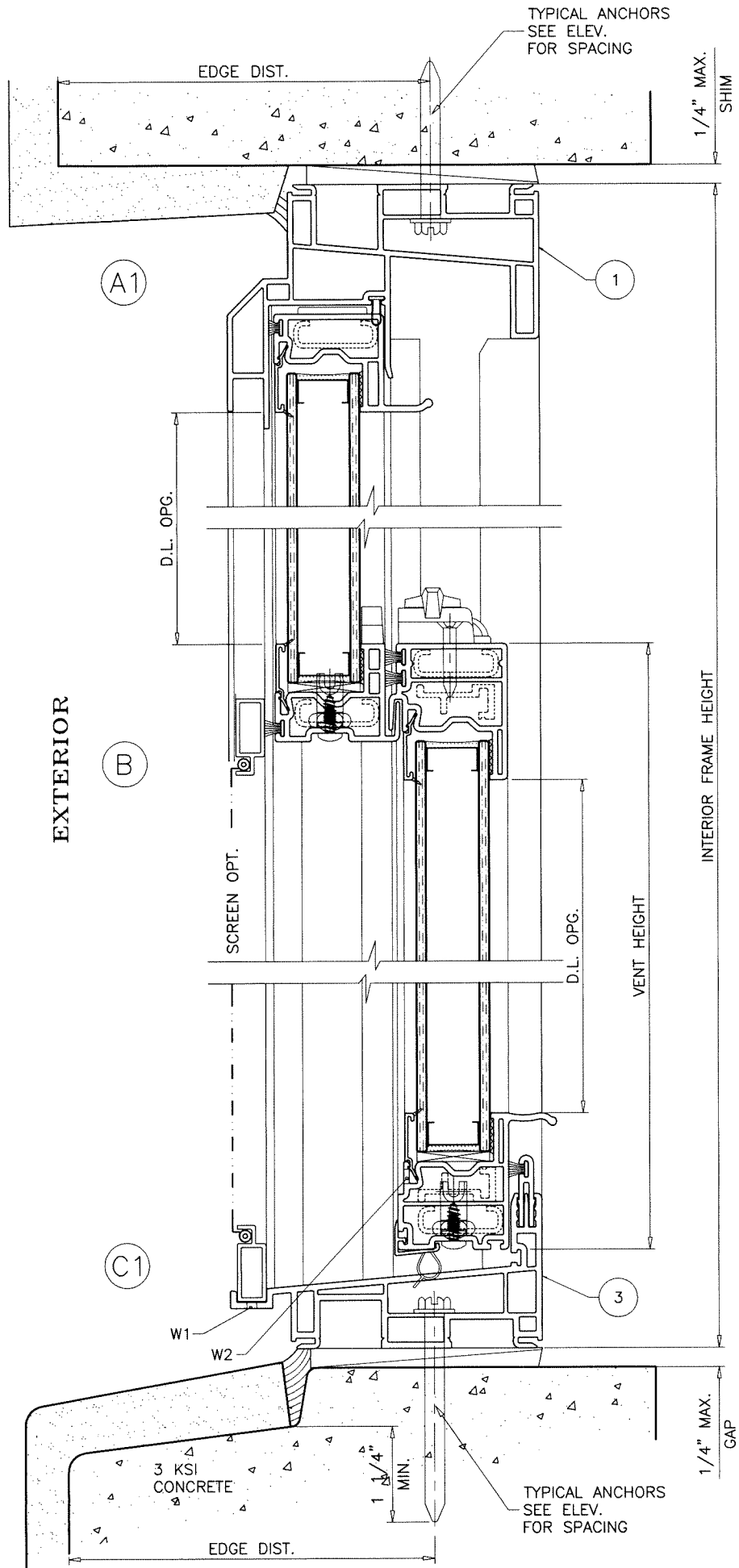
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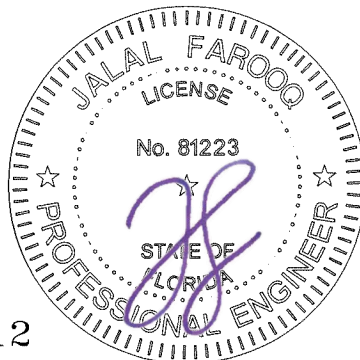
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				sheet 7 of 11



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

Sealed: 3/9/2021

FLUSH FRAMES

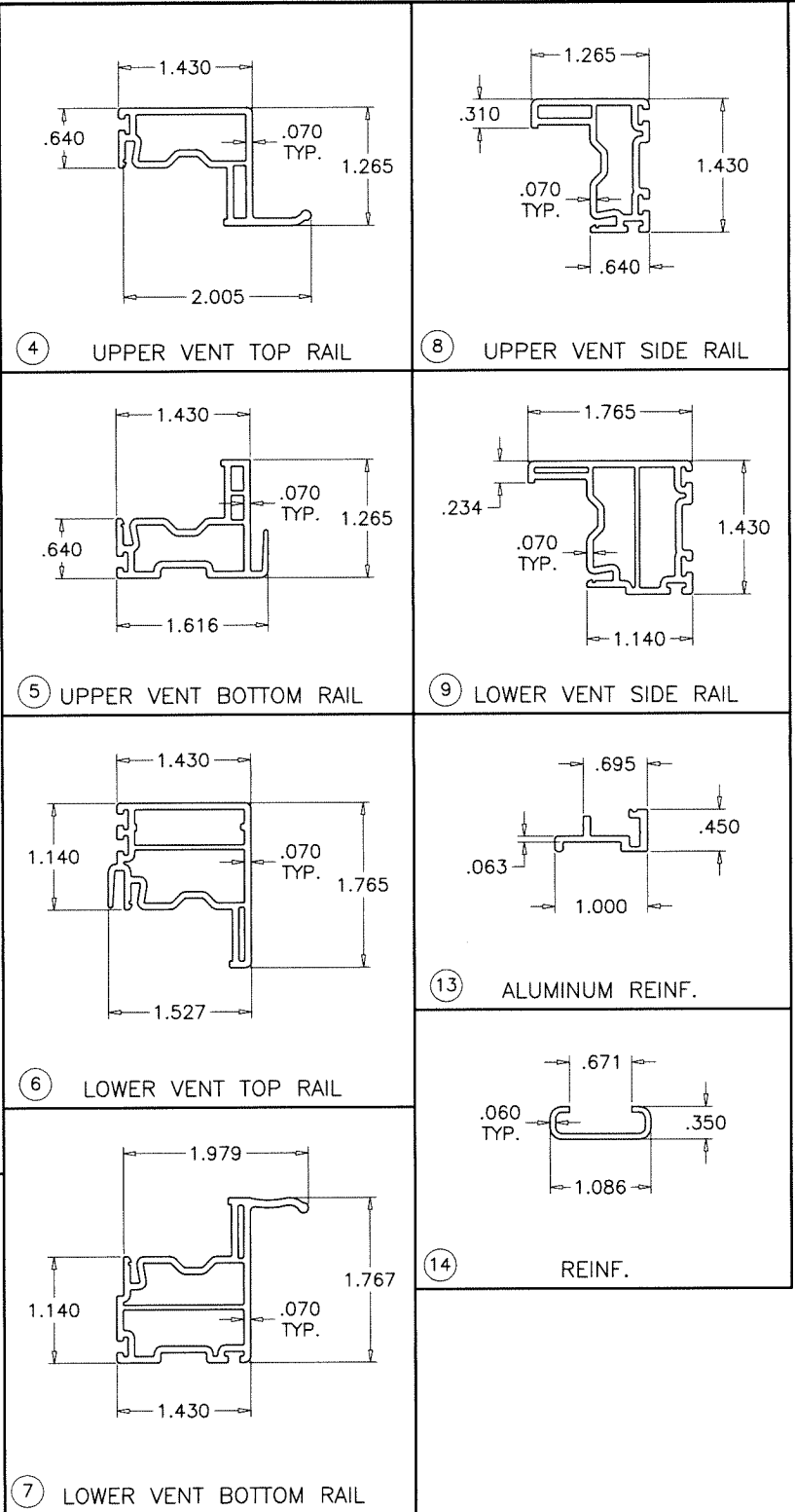
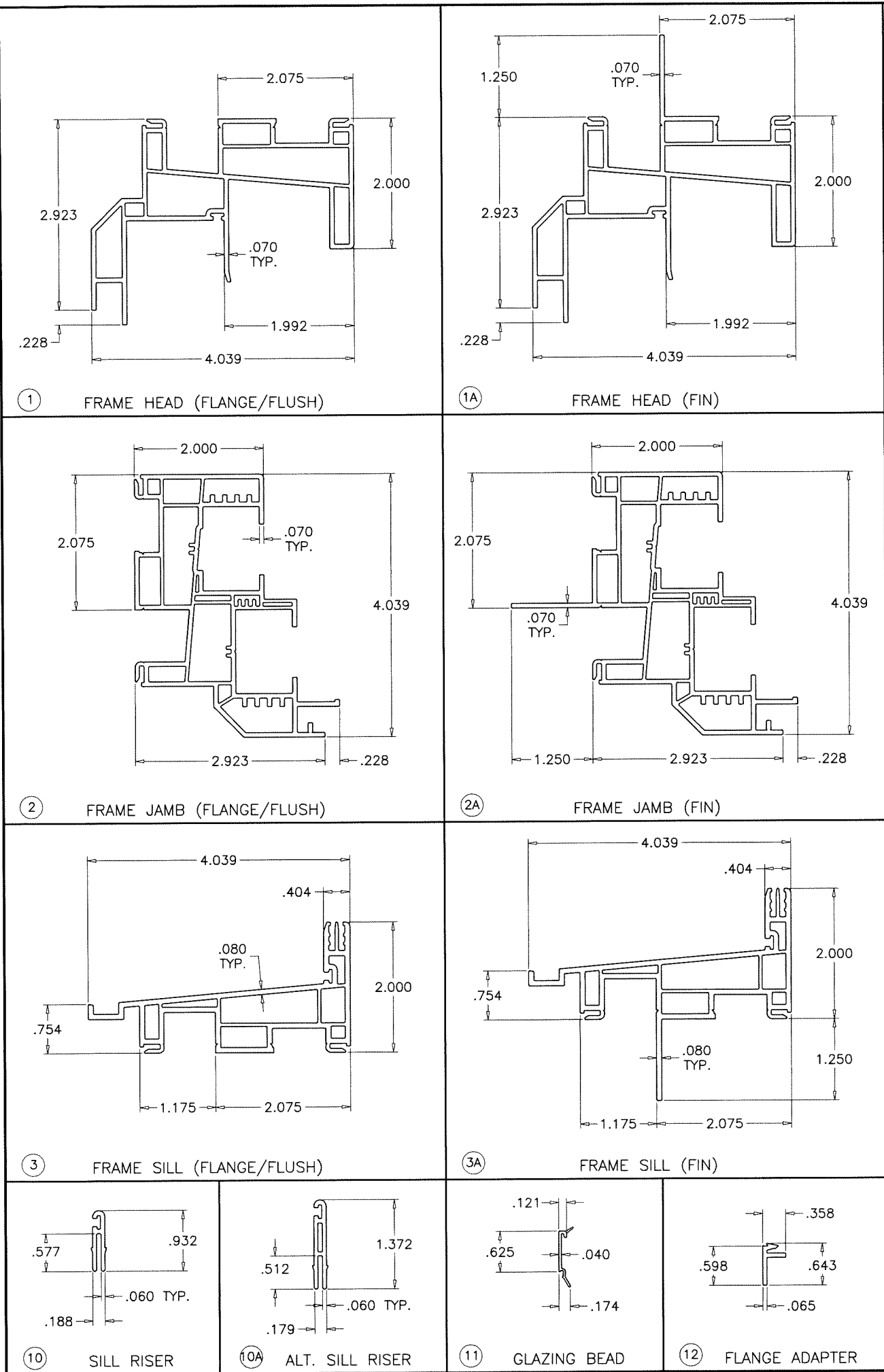


FL #29512

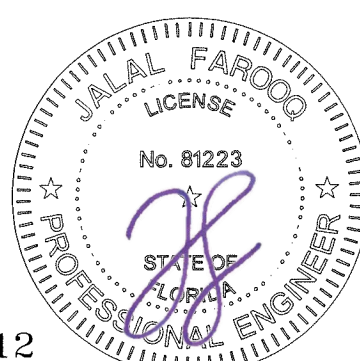
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

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SIGNATURE SERIES VINYL DOUBLE HUNG WDW. (N.I.)	
VIVINCO, INC. 851 HEMLOCK ROAD MORGANTOWN, PA. 19543 PHONE: (610) 286-8884 FAX: (610) 286-8877	
date: 02-27-19	revisions:
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sheet 8 of 11	



Sealed: 3/9/2021



FL #29512

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
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revisions:	
no	date by description

date: 02-27-19

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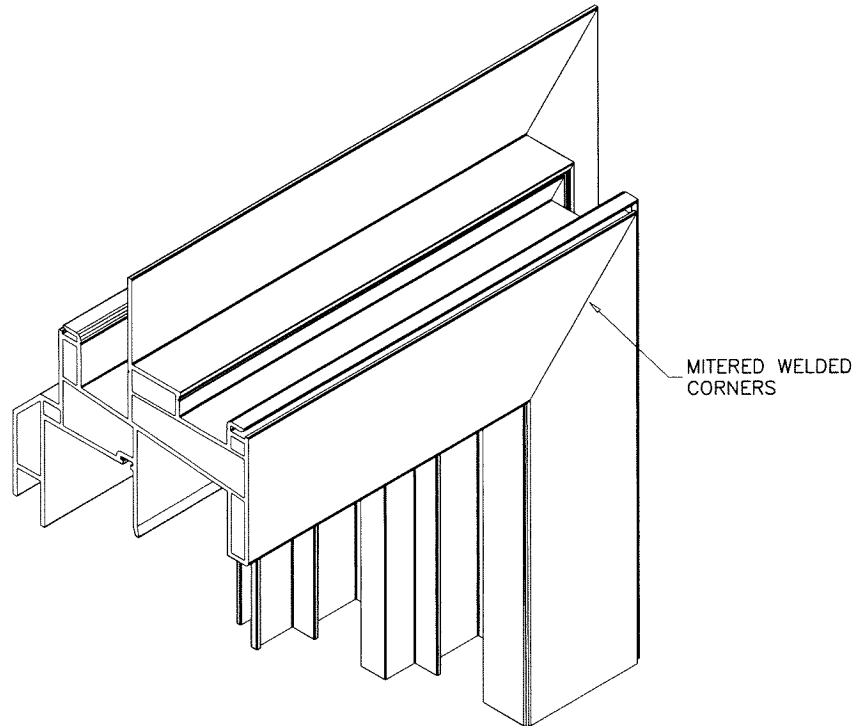
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chk. by:

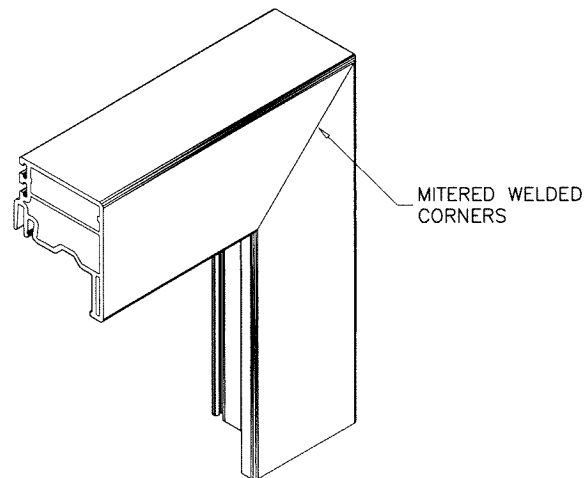
drawing no.

19-13F

sheet 10 of 11



FRAME CORNERS



VENT CORNERS

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	8910	1	FRAME HEAD (FLANGE/FLUSH)	RIGID PVC	DECEUNINCK
1A	8910	1	FRAME HEAD (FIN)	RIGID PVC	DECEUNINCK
2	8912/8913	2	FRAME JAMB (FLANGE/FLUSH)	RIGID PVC	DECEUNINCK
2A	8912/8913	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	5304	1	UPPER VENT TOP RAIL	RIGID PVC	DECEUNINCK
5	5309	1	UPPER VENT BOTTOM RAIL	RIGID PVC	DECEUNINCK
6	5308	1	LOWER VENT TOP RAIL	RIGID PVC	DECEUNINCK
7	5305	1	LOWER VENT BOTTOM RAIL	RIGID PVC	DECEUNINCK
8	5307	1	UPPER VENT SIDE RAIL	RIGID PVC	DECEUNINCK
9	5306	1	LOWER 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	-
15	6598	AS REQD.	FOAM FILLED VINYL BULB W'STRIPPING	-	Q-LON, Q375T190
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 LOWER VENT TOP RAIL

VINYL TILT LATCH BY 'FOUR-JAKS' AT EACH END OF UPPER VENT TOP RAIL AND AT EACH END OF LOWER VENT TOP RAIL

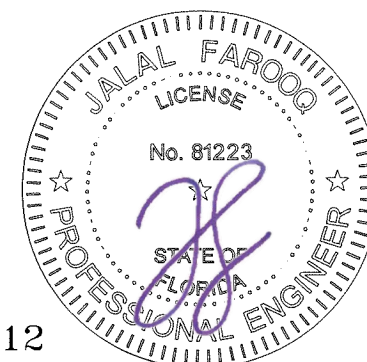
METAL PIVOT BARS BY 'FOUR-JAKS' LOCATED AT EACH END OF UPPER VENT BOTTOM RAIL AND LOWER VENT BOTTOM RAIL

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

CONSTANT FORCE BALANCE BY 'FOUR-JAKS' TWO IN EACH JAMB

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sheet	11 of 11