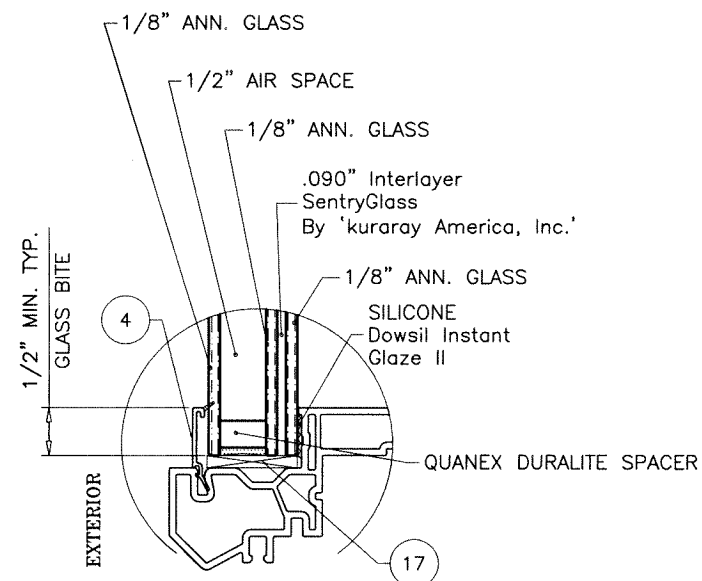
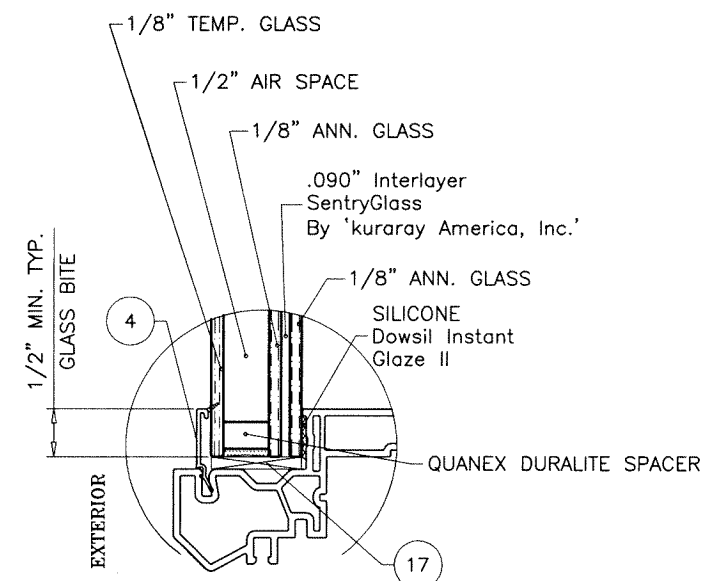
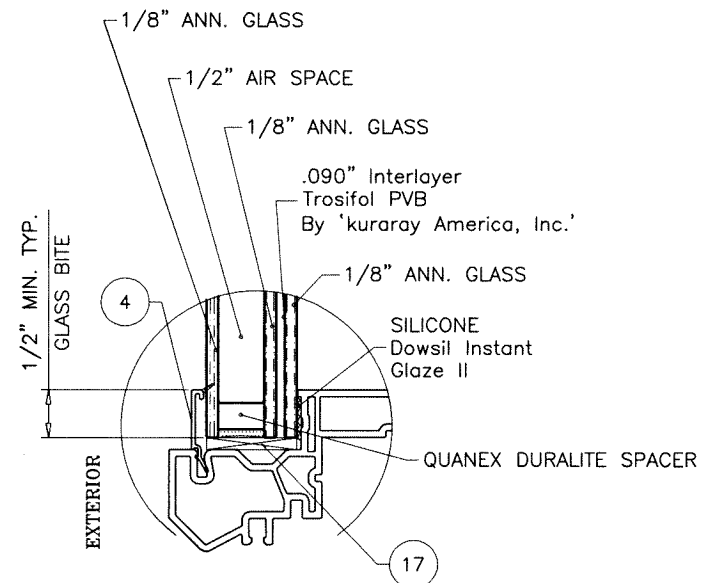




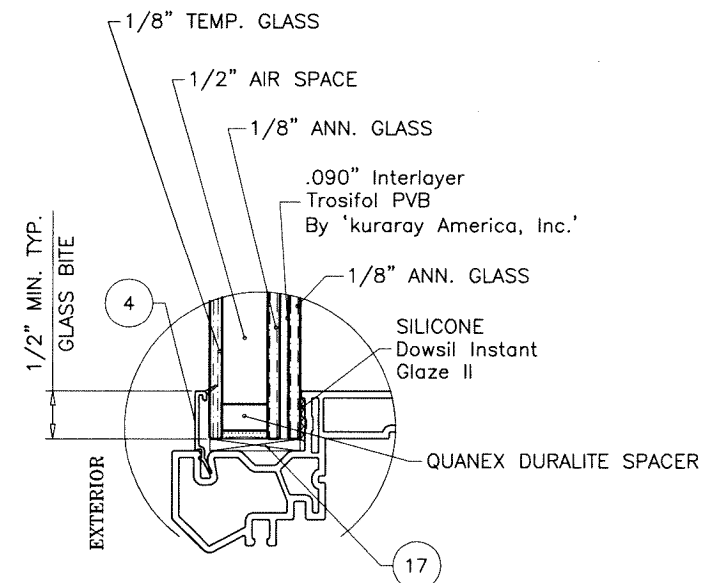
GLASS TYPE 'A'
15/16" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'B'
15/16" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'C'
15/16" OVERALL INSUL. LAM. GLASS



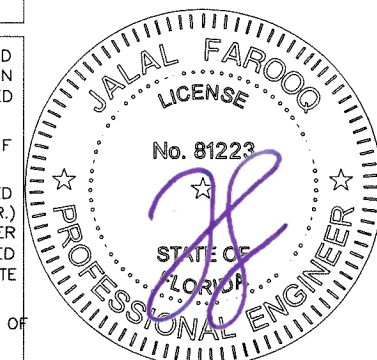
GLASS TYPE 'D'
15/16" OVERALL INSUL. LAM. GLASS

GLAZING OPTIONS

Sealed: 9/22/2026

INSUL. LAM. GLASS
LARGE MISSILE IMPACT

FL #33810



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.

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 OCEAN VIEW OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

THESE WINDOWS ARE RATED FOR LARGE MISSILE IMPACT.
INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET
THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

OCEANVIEW

VINYL CASEMENT WINDOWS (L.M.I.)

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER
CHART SHOWN ON SHEET 2.

APPROVAL APPLIES TO CASEMENT UNITS OR SIDE BY SIDE
COMBINATIONS OF CASEMENT/CASEMENT OR CASEMENT 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.

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

OCEANVIEW VINYL CASEMENT WINDOW (L.M.I.)

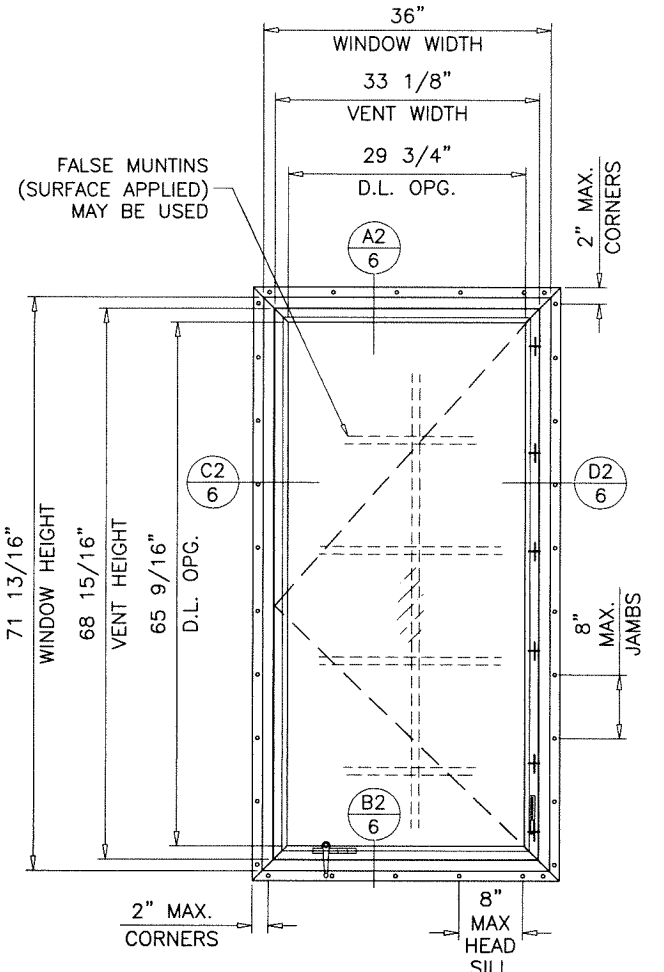
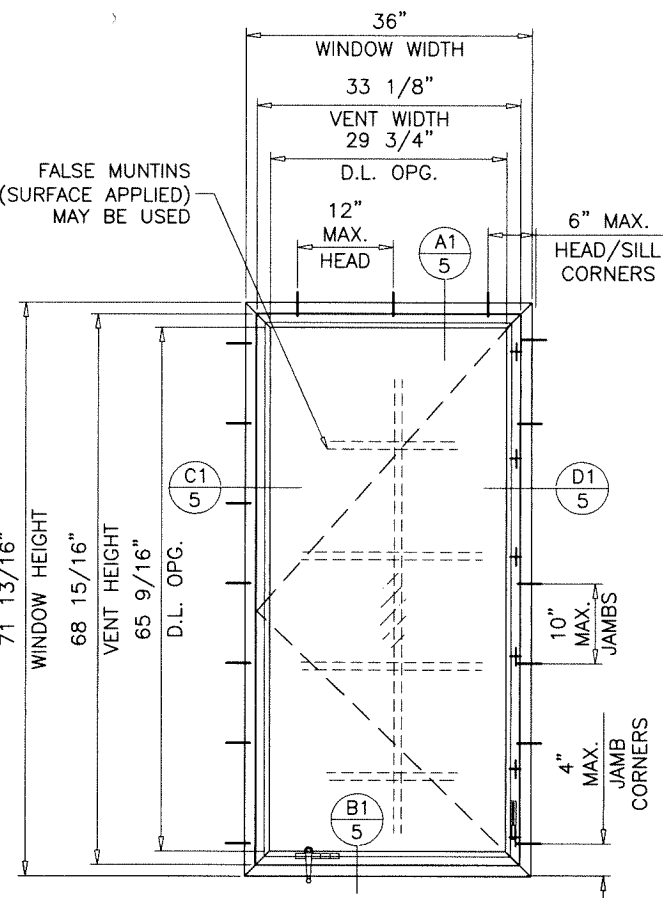
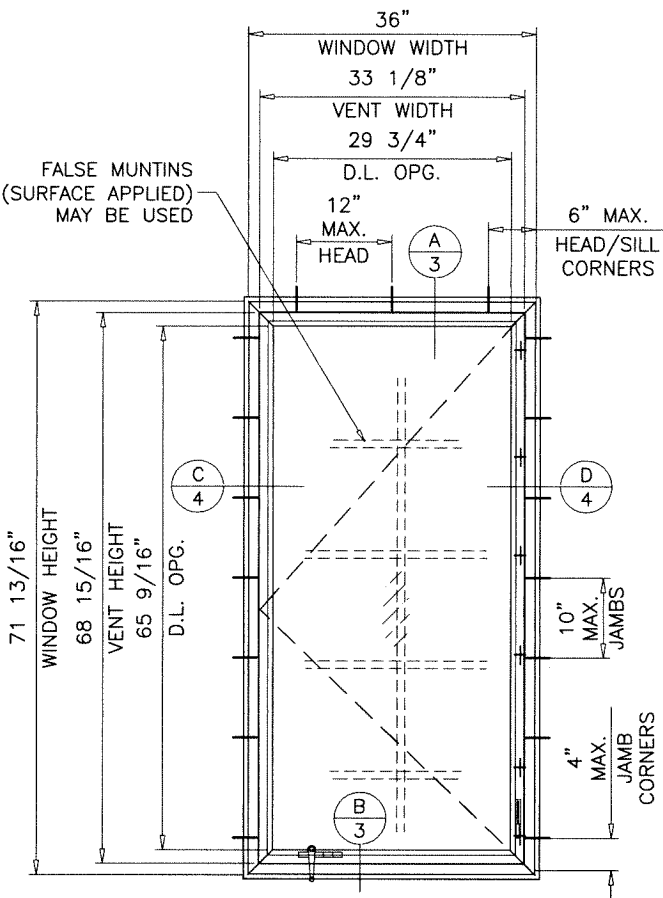
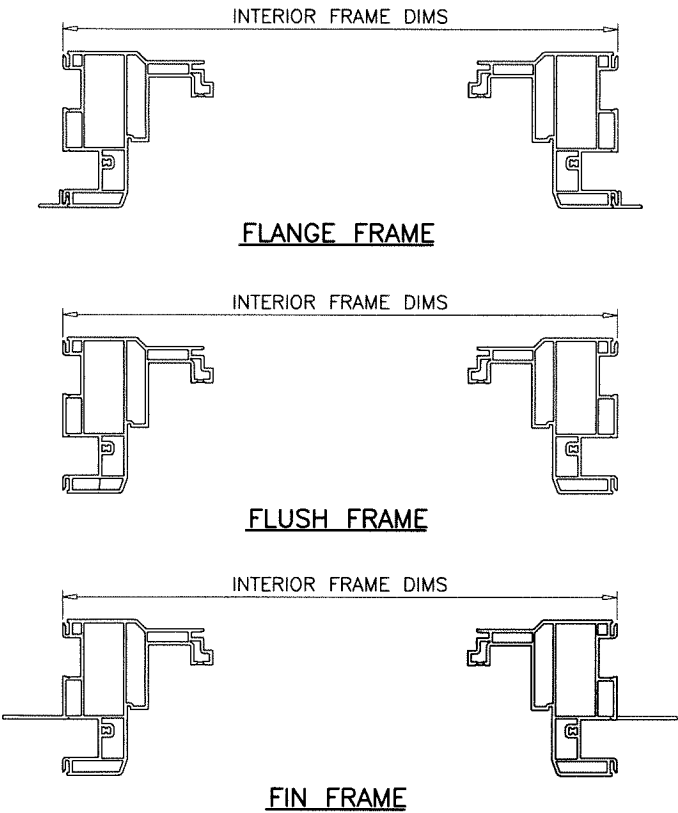
VIWINCO, INC.
851 HEMLOCK ROAD
MORGANTOWN, PA. 19543
PHONE: (610) 286-8884 FAX

date: 08-12-20		drawing no.	
20-64F			
sheet 1 of 8			

revisions:			
no	date	by	description
A	09.21.26		UPDATED TO 2026 FBC

scale: 1/2" = 1"	dr. by: CM	chk. by:
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DESIGN LOAD CAPACITY - PSF					
INT. FRAME DIM.		GLASS TYPE 'A&B'		GLASS TYPE 'C&D'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	48"	70.0	70.0	60.0	60.0
30"		70.0	70.0	60.0	60.0
36"		70.0	70.0	60.0	60.0
24"	54"	70.0	70.0	60.0	60.0
30"		70.0	70.0	60.0	60.0
36"		70.0	70.0	60.0	60.0
24"	60"	70.0	70.0	60.0	60.0
30"		70.0	70.0	60.0	60.0
36"		70.0	70.0	60.0	60.0
24"	66"	70.0	70.0	60.0	60.0
30"		70.0	70.0	60.0	60.0
36"		70.0	70.0	60.0	60.0
24"	71 13/16"	70.0	70.0	60.0	60.0
30"		70.0	70.0	60.0	60.0
36"		70.0	70.0	60.0	60.0



FLANGE FRAMES

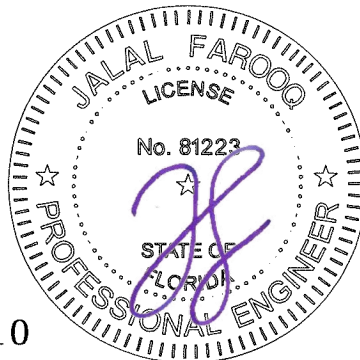
FLUSH FRAMES

FIN FRAMES

TYPICAL ELEVATIONS

Sealed: 9/22/2026

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



FL #33810

**AL-FAROOQ CORPORATION**
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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL 20-64F-VI

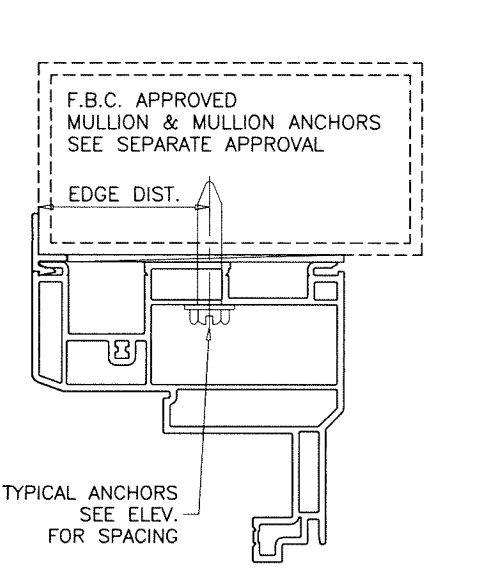
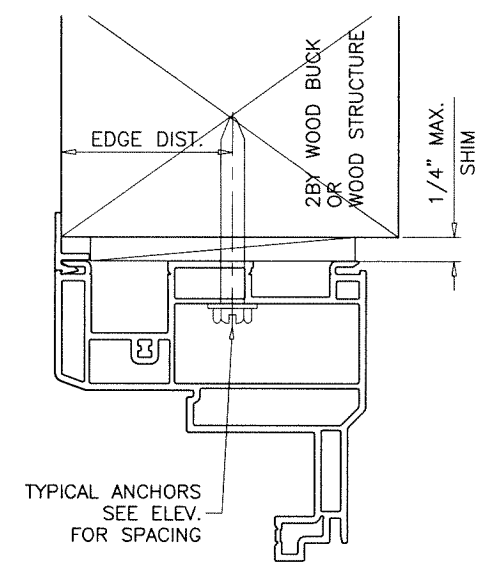
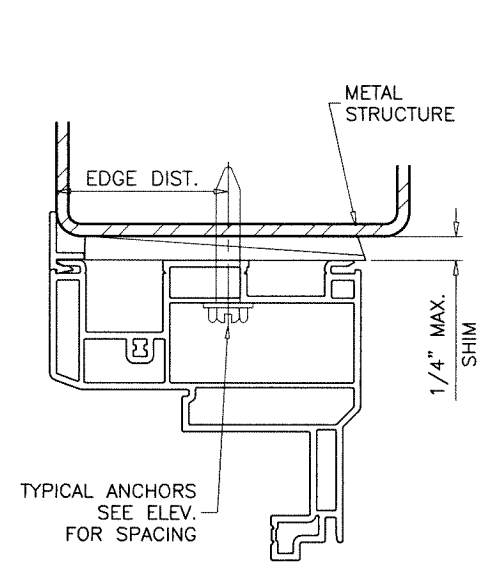
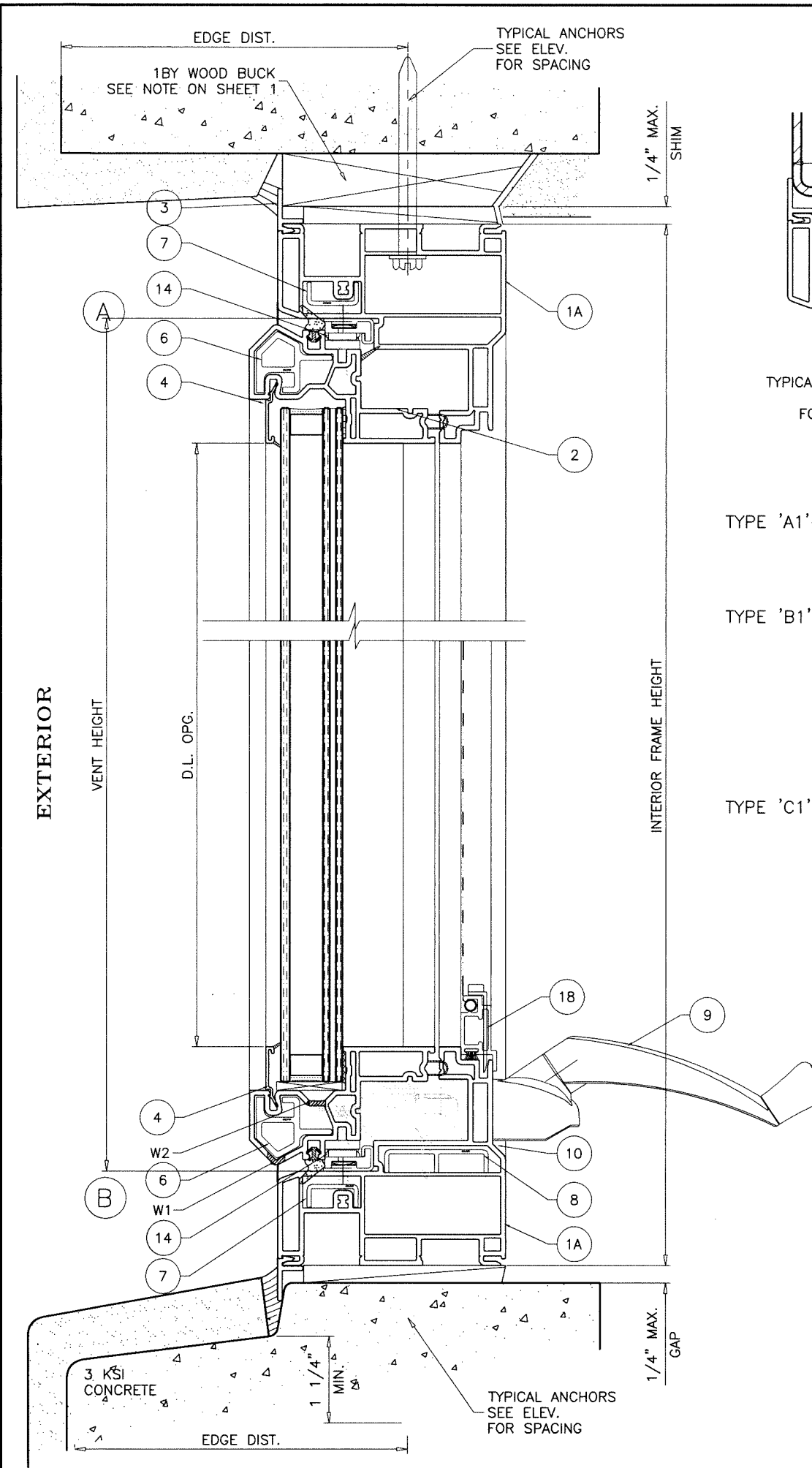
OCEANVIEW VINYL CASEMENT WINDOW (L.M.I.)

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

revisions:
no date by description

date: 08-12-20
scale: 1/2"=1'-0"
dr. by: CM
chk. by:

drawing no.
20-64F
sheet 2 of 8



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

- TYPE 'A1' - **#10 WOOD SCREWS** (GRADE 2 CRS)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/4" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)
- TYPE 'B1' - **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)
- TYPE 'C1' - **#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)

- TYPE 'A2' - **#14 WOOD SCREWS** (GRADE 2 CRS)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/4" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)
- TYPE 'B2' - **1/4" 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)
- TYPE 'C2' - **#14 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)

ANCHOR TYPE	ANCHOR LOAD CAPACITY-PSF
A1; B1; C1	50.0
A2; B2; C2	70.0

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

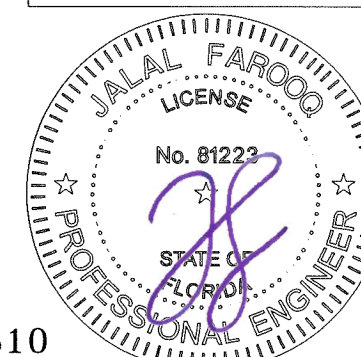
WEEPHOLES:

- W1 = 1/4" DIAMETER WEEP HOLES AT 3" FROM EACH END
W2 = 1/4" DIAMETER WEEP HOLES AT 3" FROM EACH END

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



Sealed: 9/22/2026

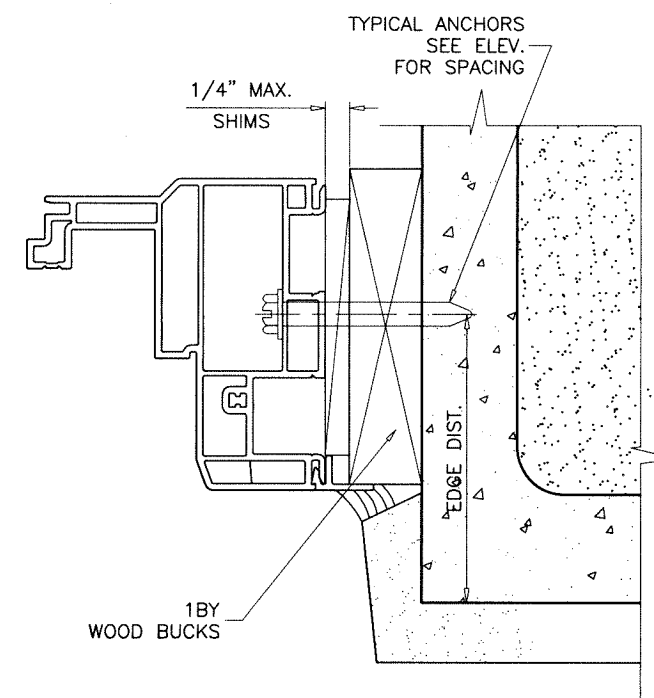
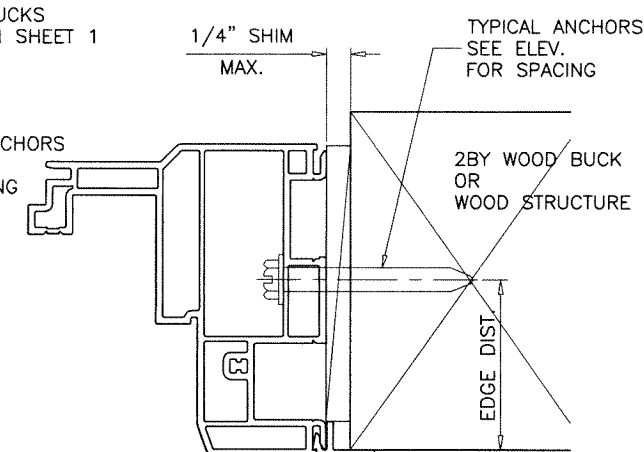
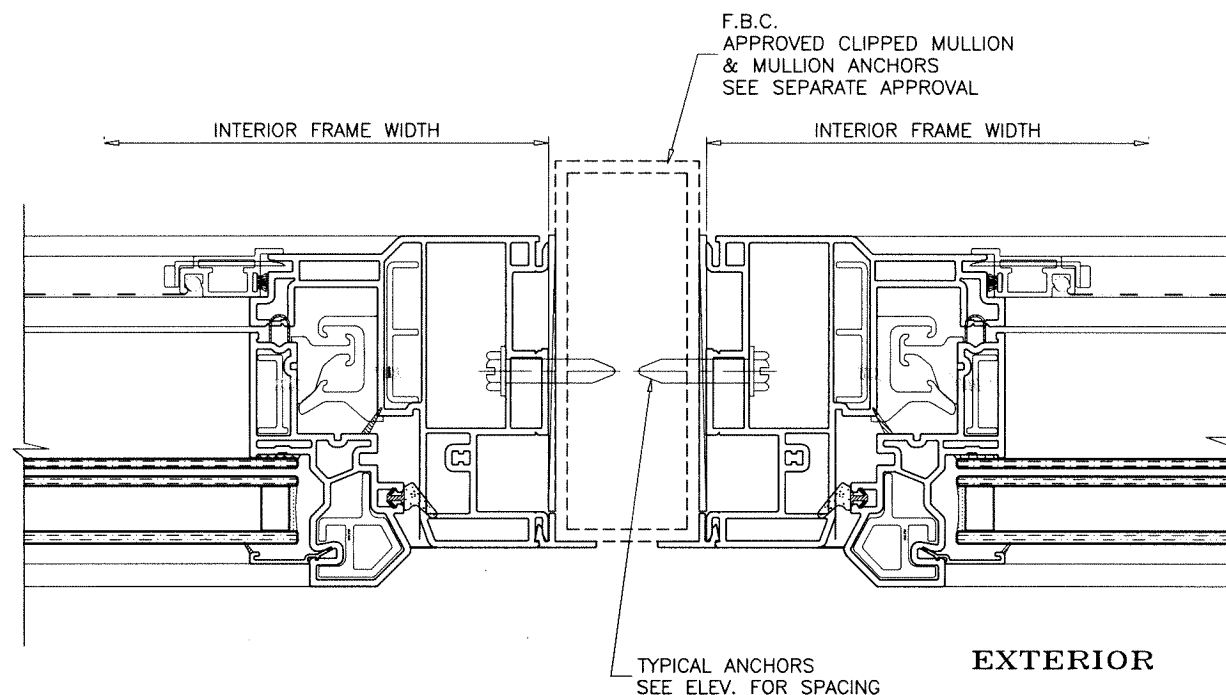
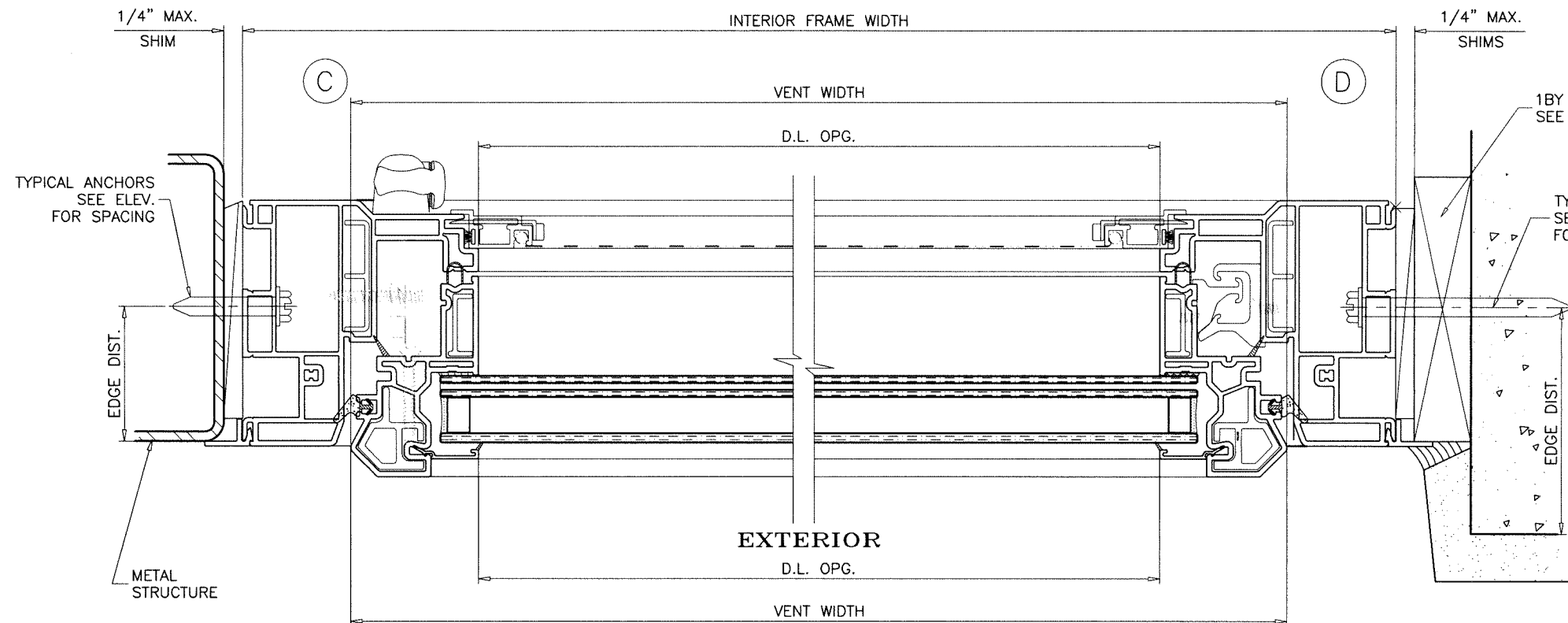
FL #33810

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL: (305) 264-8100 FAX: (305) 262-6978
COMP-ANL/20-64F-VI

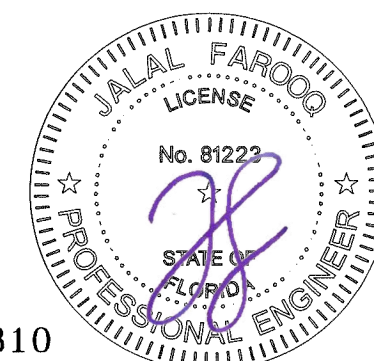
VIWINCO, INC.
851 HEMLOCK ROAD
MORGANTOWN, PA. 19543
PHONE: (610) 286-8884 FAX: (610) 286-8877

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dr. by:	CM	chk. by:	

drawing no. **20-64F**
sheet **3** of **8**



FLANGE FRAMES



Sealed: 9/22/2026

FL #33810

AL-FAROOQ CORPORATION
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COMP - ANL 20-64F-VI

OCEANVIEW VINYL CASEMENT WINDOW (L.M.I.)

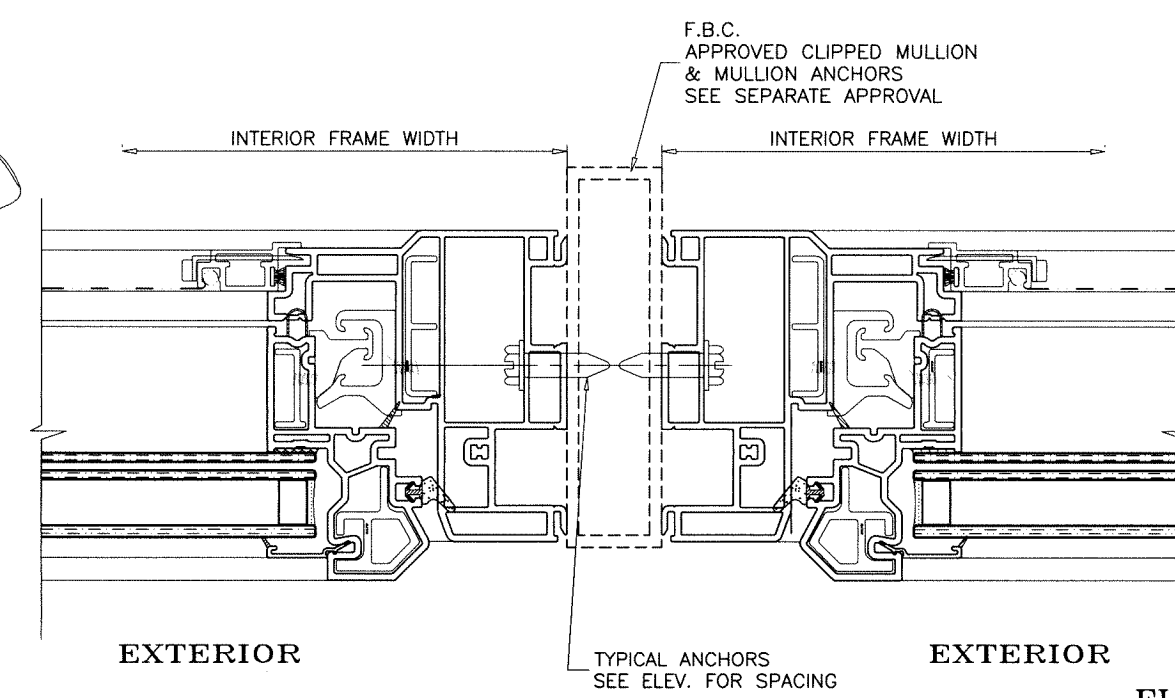
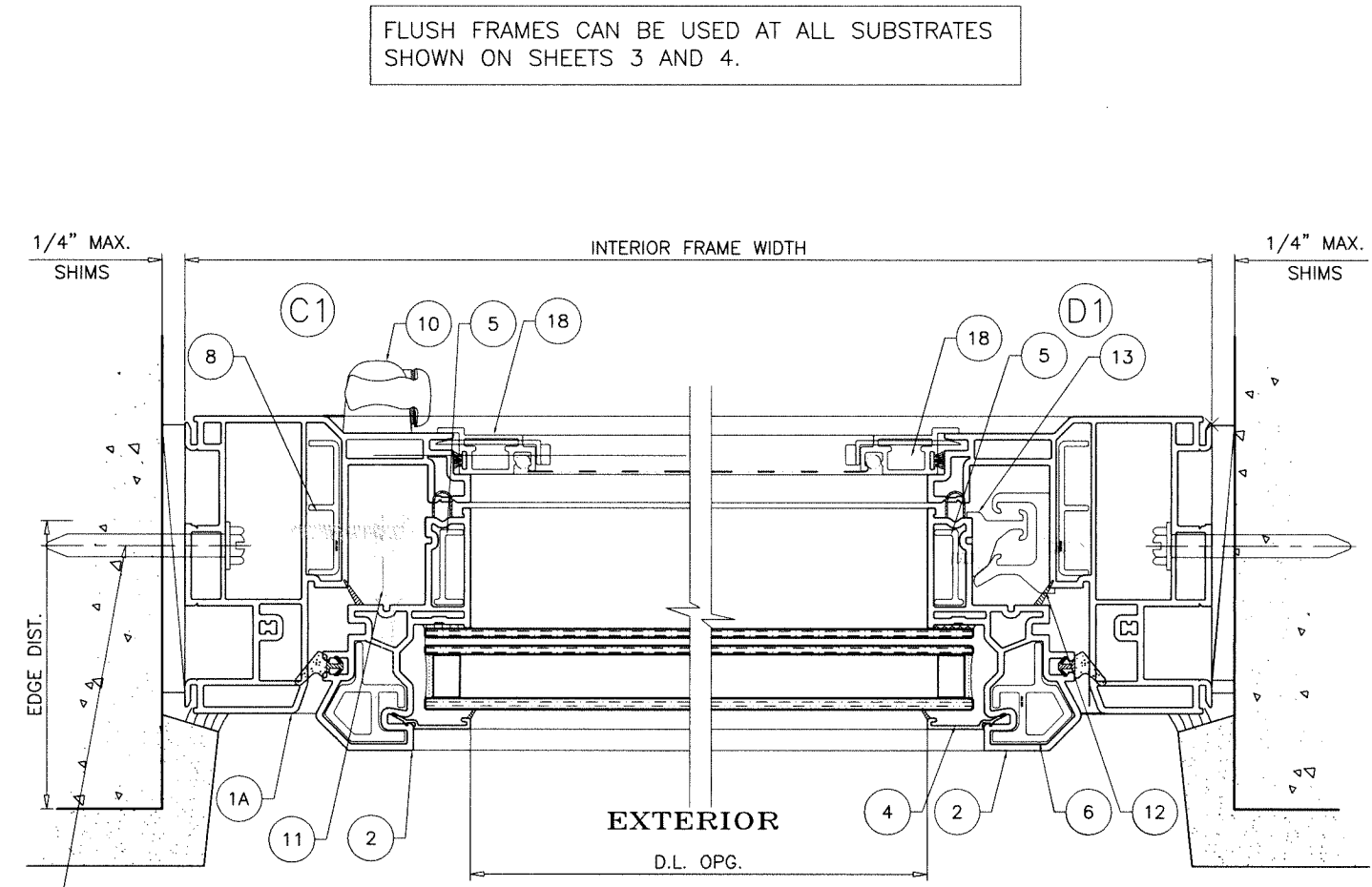
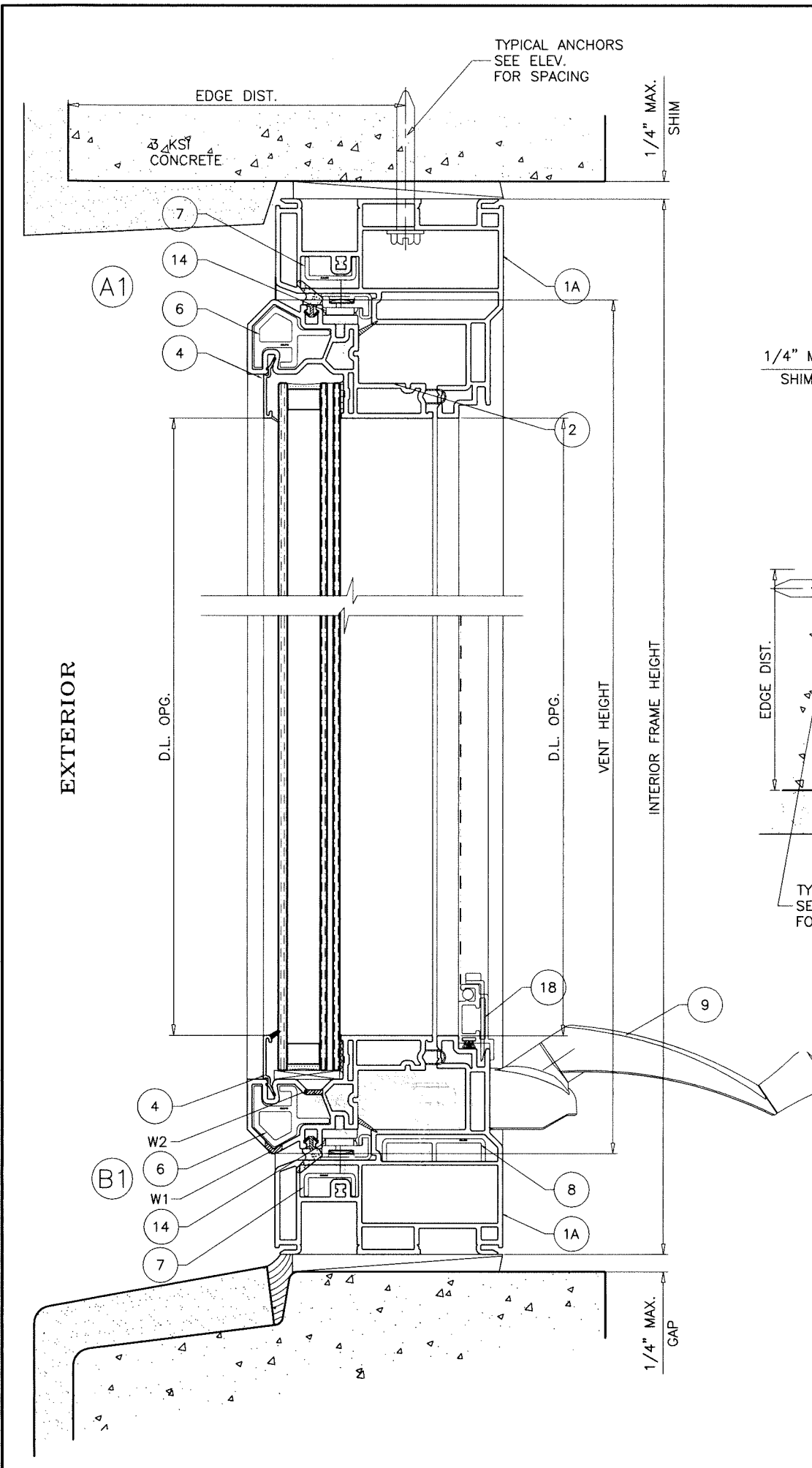
VIVINCO, INC.
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chk. by:

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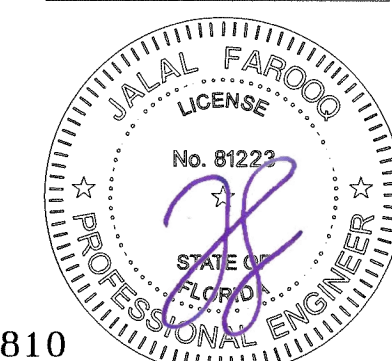
drawing no.
20-64F
sheet 4 of 8



FLUSH FRAMES CAN BE USED AT ALL SUBSTRATES SHOWN ON SHEETS 3 AND 4.

Sealed: 9/22/2026

FLUSH FRAMES



FL #33810

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9360 SUNSET DRIVE, SUITE 220
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COMP - ANL 20-64F-VI

OCEANVIEW VINYL CASEMENT WINDOW (L.M.I.)

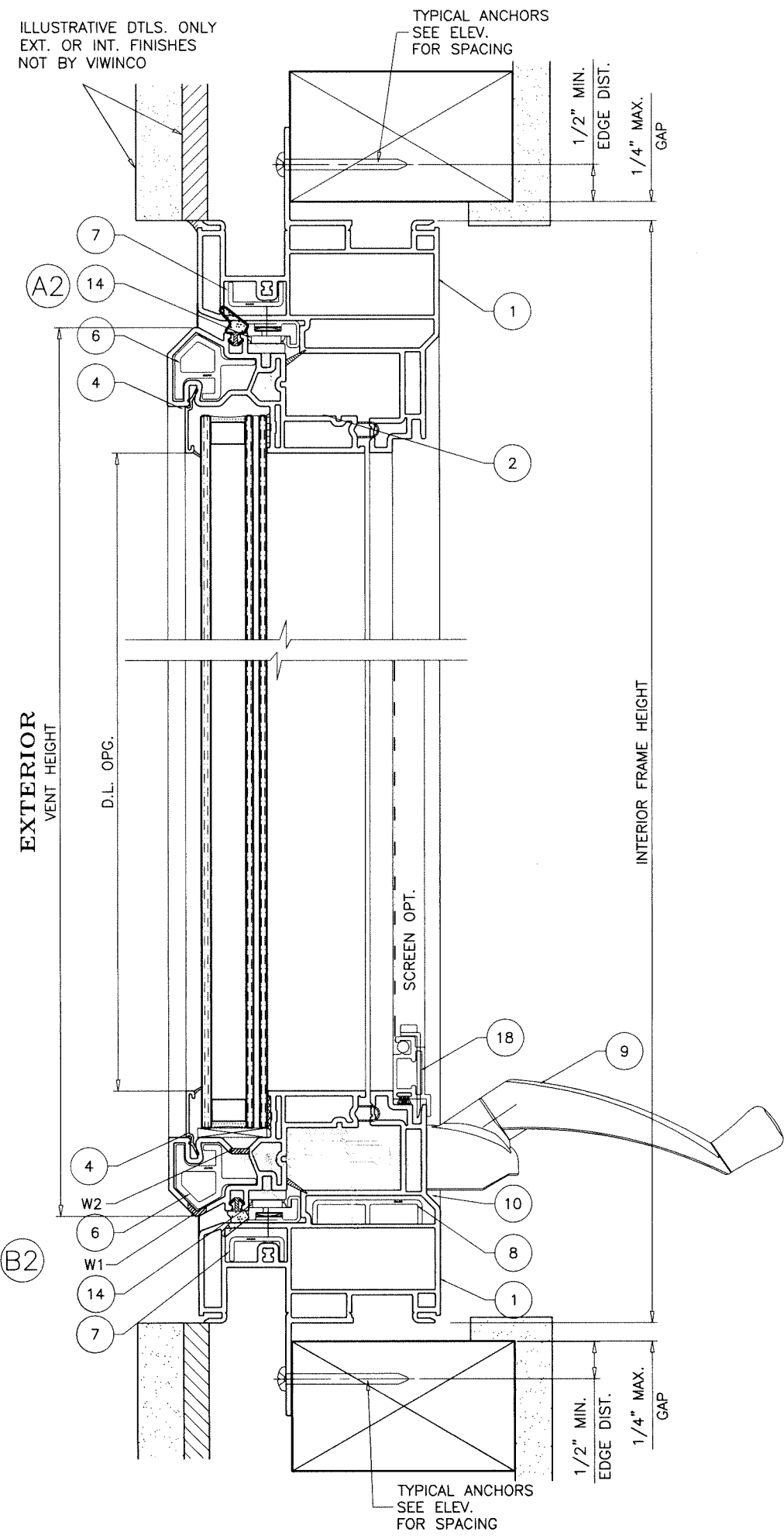
VIVINCO, INC.
851 HEMLOCK ROAD
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revisions:

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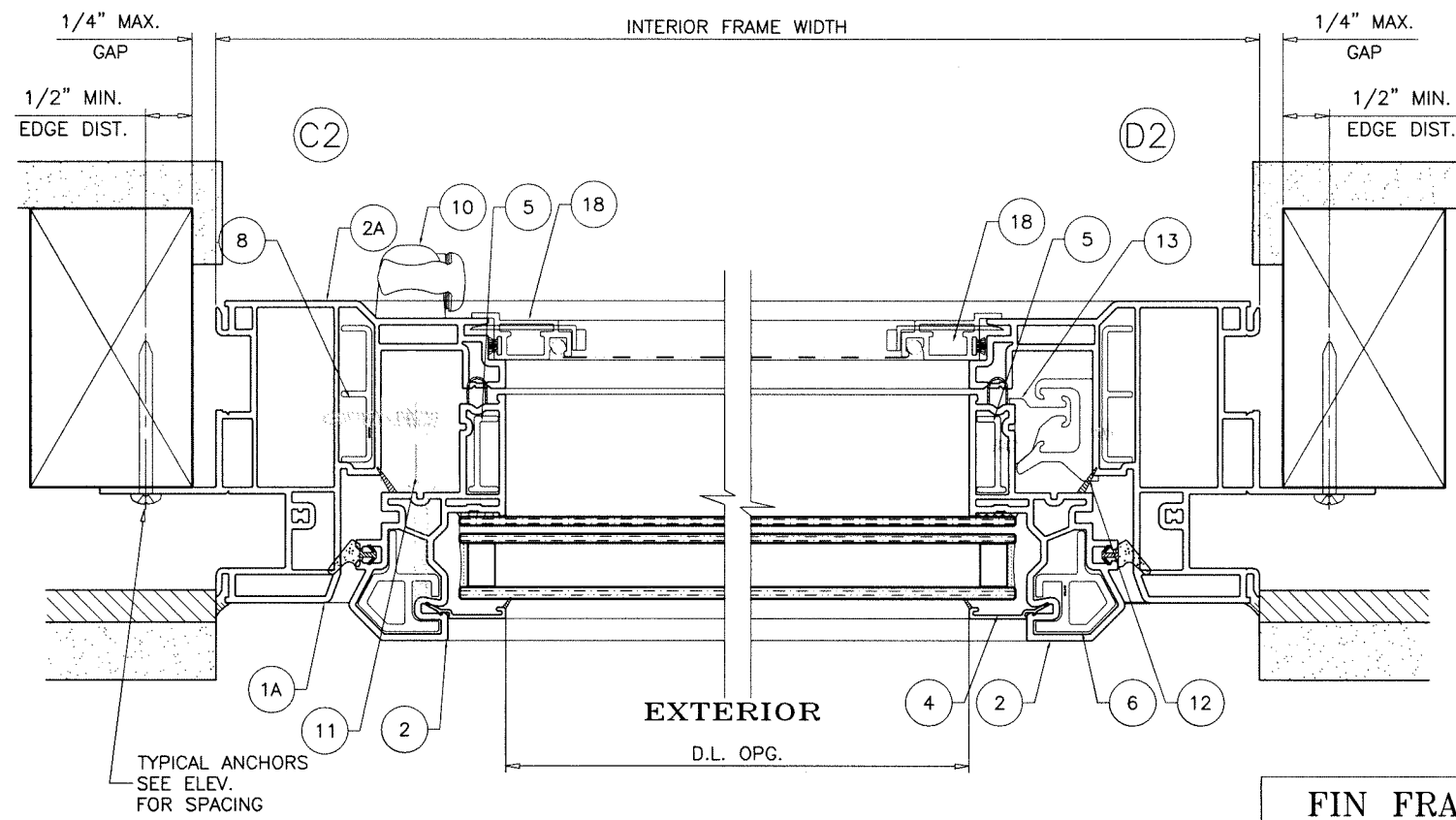
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dr. by: CM
chk. by:

drawing no.
20-64F
sheet 5 of 8



TYPICAL ANCHORS:
FIN FRAMES: SEE ELEV. FOR SPACING

#8 SMS (GRADE 2 CRS)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/4" MIN. PENETRATION INTO WOOD
 1/2" MIN. EDGE DISTANCE



FIN FRAMES



Sealed: 9/22/2026

FL #33810

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

COMP-ANL\20-64F-VI

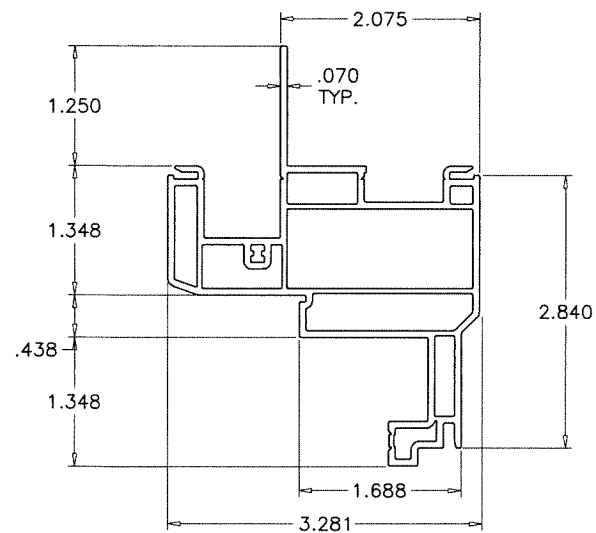
OCEANVIEW VINYL CASEMENT WINDOW (L.M.I.)

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

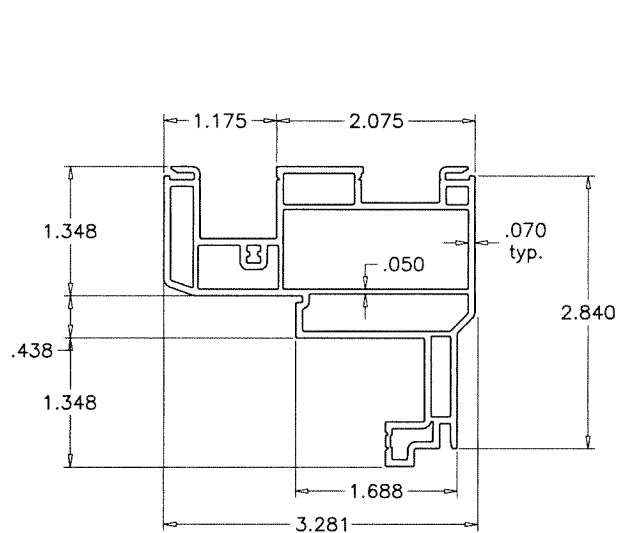
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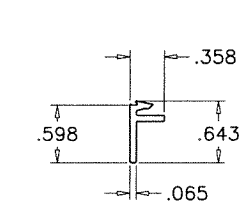
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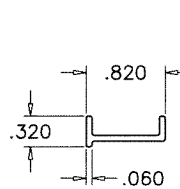
① FRAME HEAD/JAMBS/SILL (FIN)



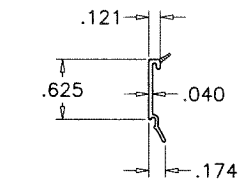
①A FRAME HEAD/JAMBS/SILL (FLUSH/FLANGE)



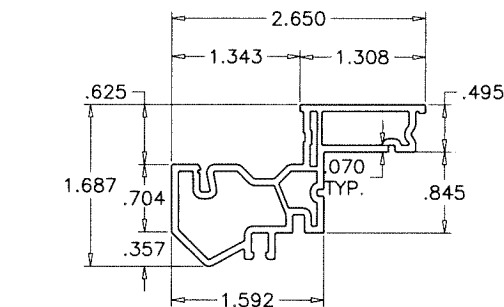
③ FLANGE ADAPTER



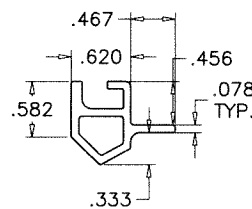
⑤ SASH STILE REINF.



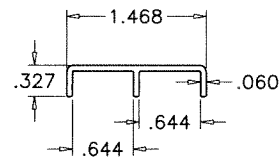
④ GLAZING BEAD



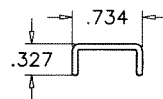
② SASH HEAD/JAMBS/SILL



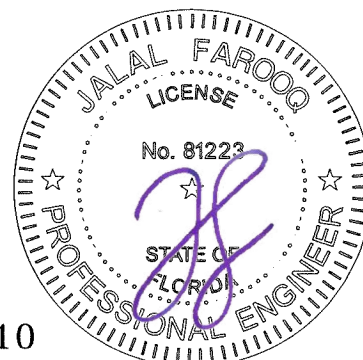
⑥ SASH REINFORCEMENT



⑧ FRAME DOUBLE REINF.



⑦ FRAME SILL/HEAD REINF.



Sealed: 9/22/2026

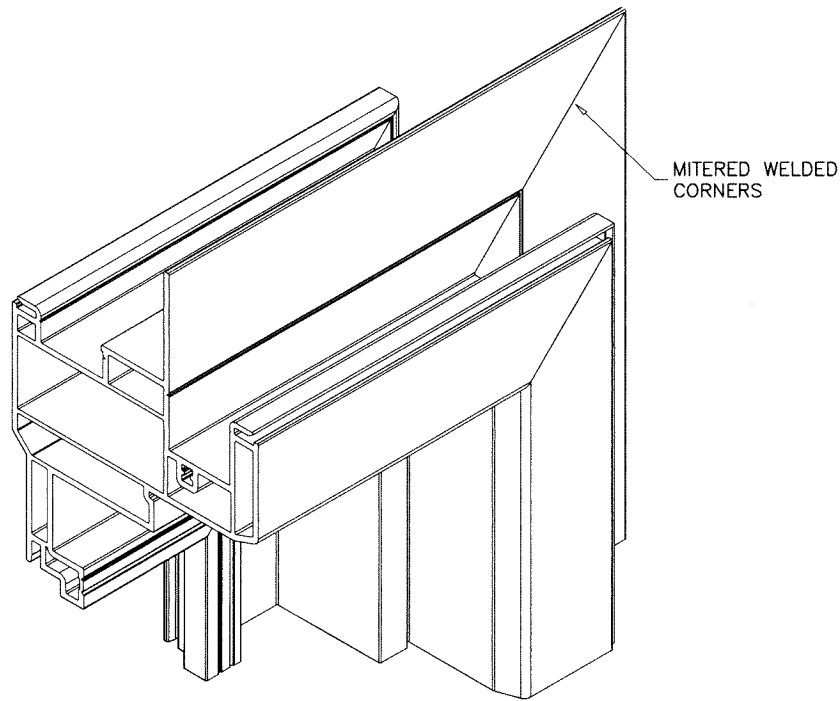
FL #33810

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9360 SUNSET DRIVE, SUITE 220
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COMP-ANL\20-64F-VI

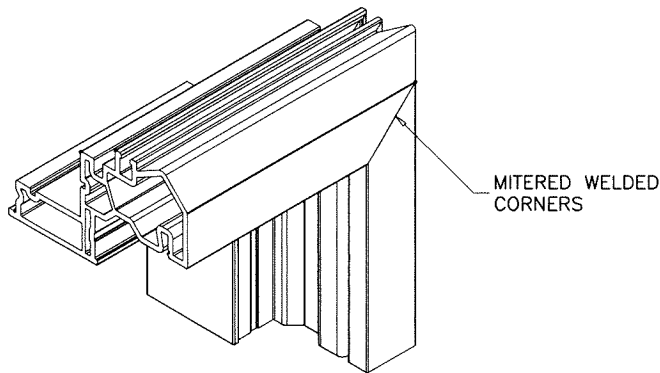
OCEANVIEW VINYL CASEMENT WINDOW (L.M.I.)

VIVINCO, INC.
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scale:	1/2" = 1"	by	description
dr. by:	CM		
chk. by:			
drawing no.	20-64F		
sheet	7 of 8		



FRAME CORNERS



VENT CORNERS

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	8926	4	FRAME HEAD/SILL/JAMBS (FIN)	RIGID PVC	DECEUNINCK
1A	8926	4	FRAME HEAD/SILL/JAMBS (FLANGE/FLUSH)	RIGID PVC	DECEUNINCK
2	5434	4	SASH HEAD/SILL/JAMBS	RIGID PVC	DECEUNINCK
3	8346	4	FLANGE ADAPTER (FLANGE)	RIGID PVC	DECEUNINCK
4	5144	4	GLAZING BEAD	RIGID PVC	DECEUNINCK
5	6190	2	SASH STILES REINFORCEMENT	6063-T6	ERD METAL INC.
6	6170	4	SASH RAILS & STILES REINFORCEMENT	6105-T5	ERD METAL INC.
7	6180	2	FRAME SILL/HEAD SINGLE REINF.	6063-T6	ERD METAL INC.
8	6182	4	FRAME DOUBLE REINFORCEMENT	6063-T5	ERD METAL INC.
9	6001HEES	1	ARM OPERATOR	-	-
10	6570	1	LOCK	-	-
11	-	1	MULTIPOINT LOCKING SYSTEM	-	-
12	6636A	2	SNUBBER-FRAME	6005-T5	DECEUNINCK
13	6637A	2	SNUBBER-SASH	6005-T5	DECEUNINCK
14	6090SS	1	HEAD HINGE ARM	STAINLESS STEEL	-
15	6080SS	1	SILL HINGE ARM	STAINLESS STEEL	-
16	6095	AS REQD.	WEATHER STRIPPING	-	-
17	7240T	2/ LITE	SETTING BLOCK	EPDM	TB PHILLY
18	-	AS REQD.	EXTRUDED ALUMINUM SCREEN (OPTIONAL)	-	LEADING EDGE

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

HARDWARE:

LOCKS:

MULTI-POINT LOCKING SYSTEM(4 POINT LOCKS)
AT FRAME JAMB LOCK LEVER @ 9" ABOVE SILL.

TIE BAR SECURED TO JAMB WITH 6 GUIDES
EA. GUIDE SECURED W/ (2) #8 x 1 1/2" PH
TEK SCREWS

(4) STAINLESS STEEL KEEPERS @ LOCKING
POINTS SECURED TO VENT SASH WITH (2)
#6 x 1 1/4 TEK SCREWS

HINGES:

CASEMENT CONCEALED 4 BAR HINGES
LOCATED AT TOP AND BOTTOM CORNERS
FASTENED TO FRAME W/ (8) #6 X 5/8 FH
SCREWS & TRACKS FASTENED TO SASH WITH (8)
#8 X 3/4 FH TEK SCREWS

OPERATOR:

[ROTATORY CRANK SINGLE ARM OPERATOR
LOCATED AT SILL AT 10" FROM HINGE JAMB
FASTENED W/ (6) #8 X 3/4 FH TEK SCREWS

SNUBBERS:

(2) FRAME SNUBBERS & (2) SASH SNUBBERS
BY DECEUNINCK LOCATED @ L/3 FROM HEAD
& SILL FASTENED WITH (2) #8 X 3/4 FH TEKS EA.



Sealed: 9/22/2026

FL #33810

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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(C.A.N. 3538)

OCEANVIEW VINYL CASEMENT WINDOW (L.M.I.)
VIVINCO, INC.
851 HEMLOCK ROAD
MORGANTOWN, PA. 19543
PHONE: (610) 286-8884 FAX: (610) 286-8877

revisions:
no. date by description

date: 08-12-20
scale: 1/2" = 1"
dr. by: CM
chk. by:

drawing no.
20-64F
sheet 8 of 8

COMP - ANL \ 20-64F-VI