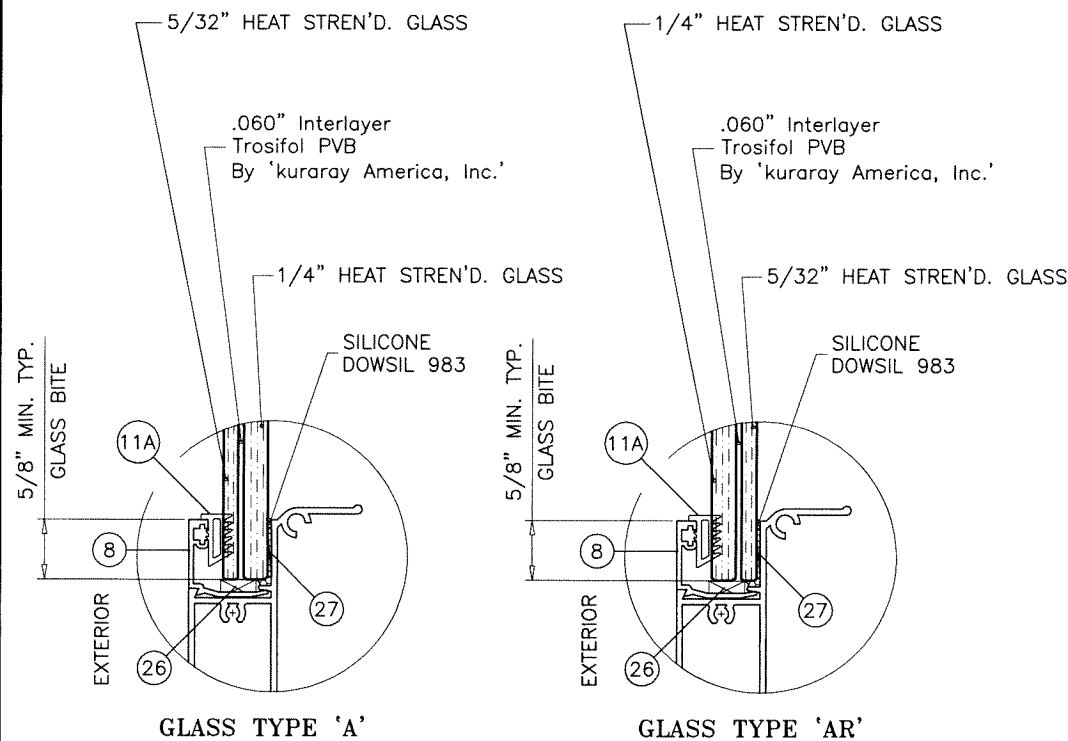
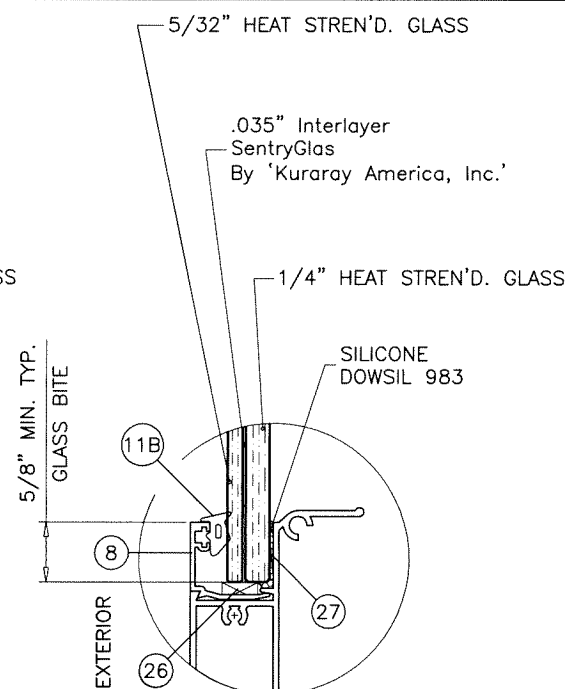




GLASS TYPE 'A'

GLASS TYPE 'AR'

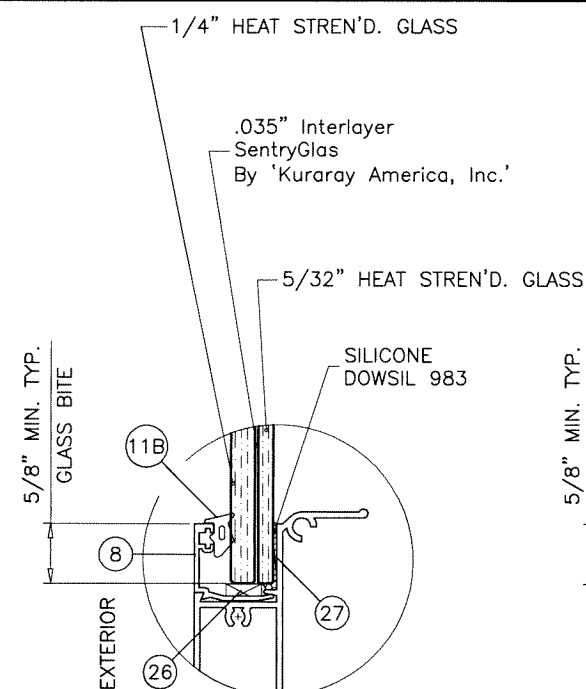
GLASS TYPES 'A' & 'AR'
 MAXIMUM DESIGN LOAD RATING = + 100.0 PSF
 - 150.0 PSF



GLASS TYPE 'B'

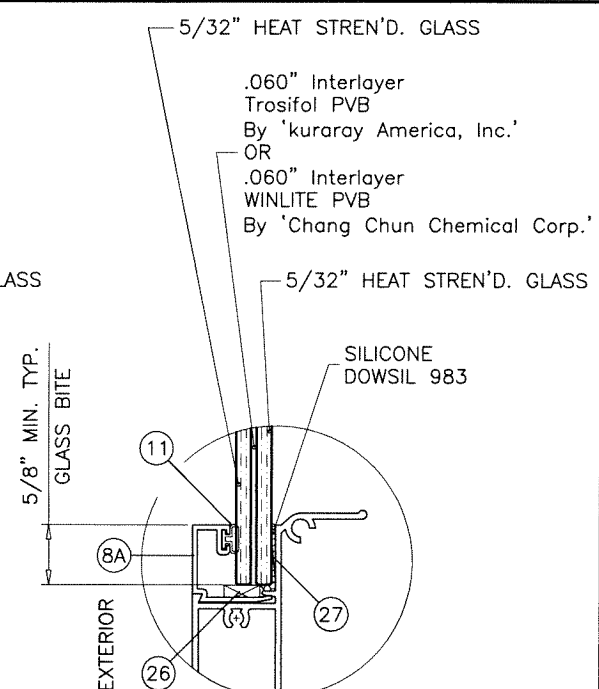
GLAZING OPTIONS

GLASS TYPES 'B'
 MAXIMUM DESIGN LOAD RATING = + 100.0 PSF
 - 140.0 PSF



GLASS TYPE 'BR'

GLASS TYPE 'BR' & 'C'
 MAXIMUM DESIGN LOAD RATING = + 80.0 PSF
 - 120.0 PSF



GLASS TYPE 'C'

SERIES-1100WW ALUMINUM SINGLE HUNG WINDOW

THESE WINDOWS CAN BE INSTALLED AS SINGLE UNITS OR SIDE BY SIDE COMBINATION OF TWO OR MORE UNITS USING MULLIONS IN BETWEEN. FOR SINGLE HUNG WINDOW CAPACITY SEE SHEET 2. FOR SINGLE HUNG OVER FIXED WINDOW CAPACITY SEE SHEET 3. FOR SIDE BY SIDE UNITS SEE SHEET 4 FOR WINDOW MULLION CAPACITY. LOWER DESIGN PRESSURES FROM CHARTS ABOVE WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

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

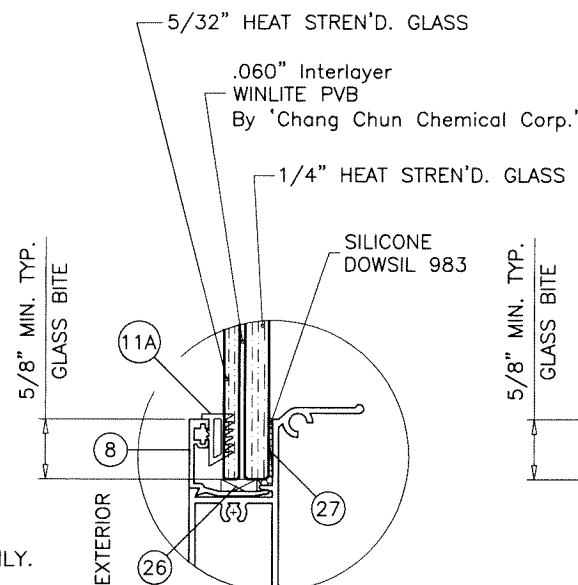
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, I.E. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

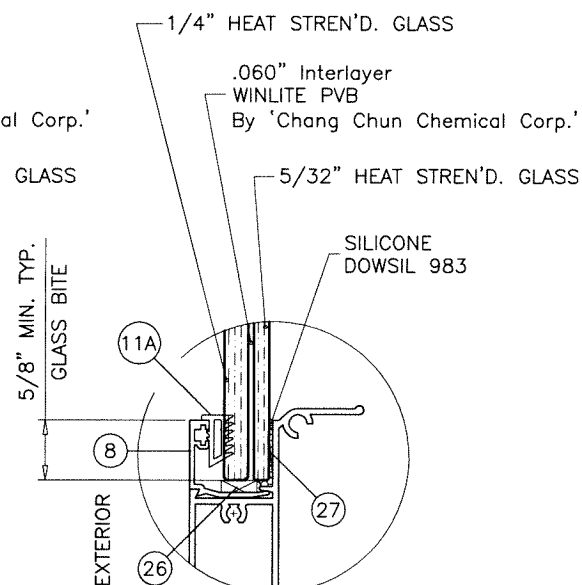
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.



GLASS TYPE 'D'



GLASS TYPE 'DR'

GLASS TYPES 'D' & 'DR'
 MAXIMUM DESIGN LOAD RATING = + 100.0 PSF
 - 120.0 PSF

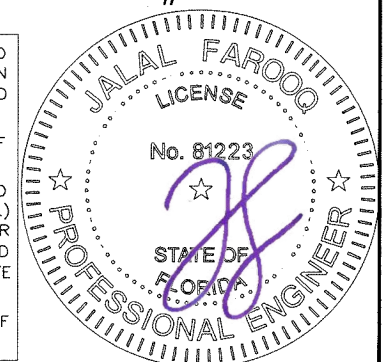
NOTE:
 GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

THESE WINDOWS ARE RATED FOR SMALL MISSILE IMPACT. F.B.C. APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

Sealed: 7/29/2025

FL #46884

- 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.



SERIES-1100WW ALUM SINGLE HUNG WINDOW (S.M.I.)
E.S. WINDOWS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL. 33142
 TEL. (305) 638-5151 FAX. (305) 638-5158

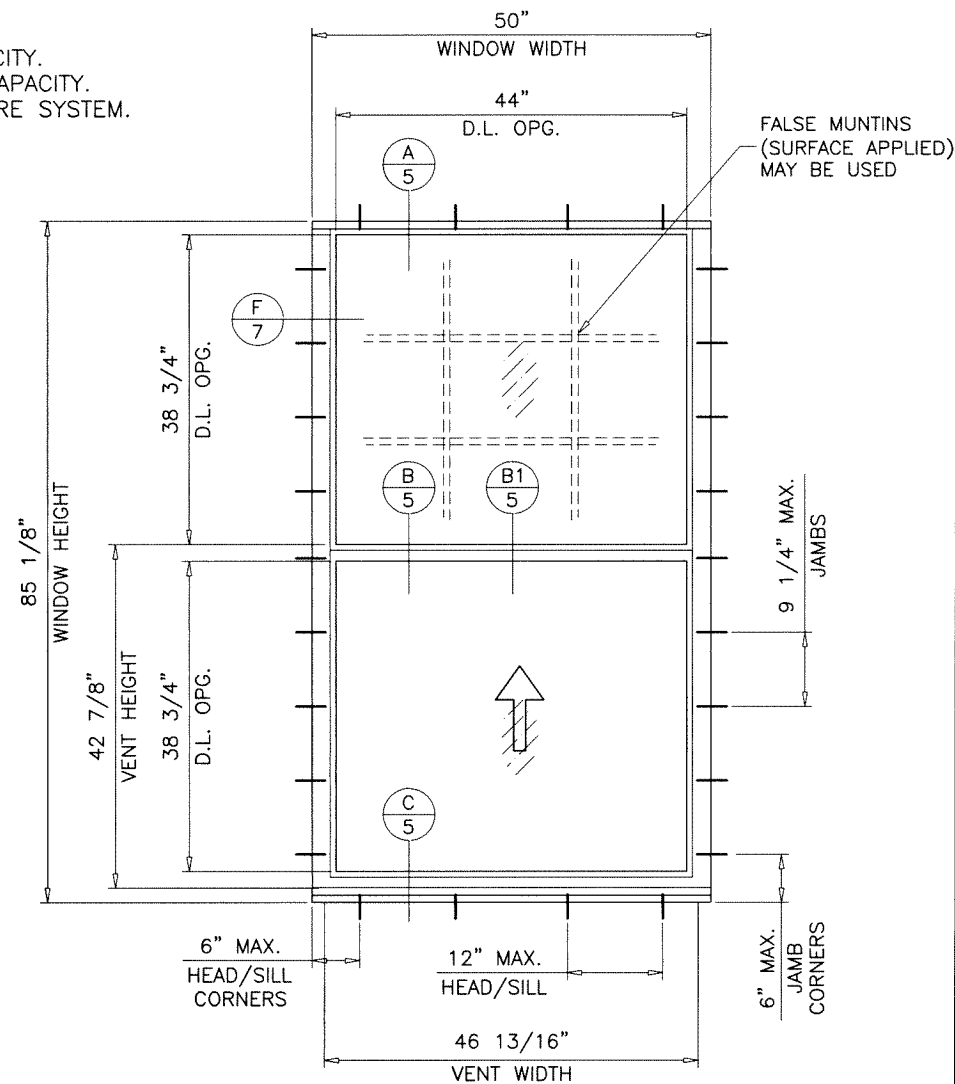
revisions:	no	date	by	description
	A	08.09.24		WINLITE INTERLAYER ADDED
date:	06-18-24			
scale:	1/2"=1'-0"			
dr. by:	TARIQ			
chk. by:				
drawing no.	24-38F			
sheet	1 of 12			

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\24-38F-ES

SINGLE HUNG WINDOW ANCHOR LOAD CAPACITY - PSF									
WINDOW DIMS.		GLASS TYPES 'A' & 'AR'				GLASS TYPES 'B', 'BR' & 'C'			
		ANCHORS 'A'		ANCHORS 'C'		ANCHORS 'A'		ANCHORS 'C'	
		1/2" MAX. SHIM		3/8" MAX. SHIM		1/2" MAX. SHIM		3/8" MAX. SHIM	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	38-3/8"	100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
26-1/2"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
30"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
37"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
42"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
48"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
50"		100.0	150.0	100.0	150.0	-	-	-	-
19-1/8"	50-5/8"	100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
26-1/2"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
30"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
37"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
42"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
48"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
50"		100.0	150.0	100.0	150.0	-	-	-	-
19-1/8"	63"	100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
26-1/2"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
30"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
37"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
42"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
48"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
50"		100.0	150.0	100.0	150.0	-	-	-	-
19-1/8"	72"	100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
26-1/2"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
30"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
37"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
42"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
48"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
50"		100.0	150.0	100.0	150.0	-	-	-	-
48"	73-3/16"	100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
19-1/8"	74-7/16"	100.0	150.0	100.0	150.0				
26-1/2"		100.0	150.0	100.0	150.0				
30"		100.0	150.0	100.0	150.0				
37"		100.0	150.0	100.0	150.0				
42"		100.0	150.0	100.0	150.0				
48"		100.0	150.0	100.0	150.0				
50"		100.0	150.0	100.0	150.0				
19-1/8"	84"	100.0	150.0	100.0	150.0				
26-1/2"		100.0	150.0	100.0	150.0				
30"		100.0	150.0	100.0	150.0				
37"		100.0	150.0	100.0	150.0				
42"		100.0	150.0	100.0	150.0				
48"		100.0	120.0	100.0	120.0				
50"		100.0	120.0	100.0	120.0				
43-1/2"	85-1/8"	100.0	150.0	100.0	150.0				
48"		100.0	120.0	100.0	120.0				
50"		100.0	120.0	100.0	120.0				

INSTRUCTIONS:
SEE SHEET 1 FOR GLASS TYPES AND DESIGN LOAD CAPACITY.
SEE CHART BELOW FOR SINGLE HUNG WINDOW ANCHOR CAPACITY.
LOWER VALUES FROM THESE CHARTS WILL APPLY TO ENTIRE SYSTEM.



TYPICAL ELEVATION

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

THRU 1BY BUCKS INTO CONC. OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

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

TYPE 'C' - 1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
INTO F.B.C. APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
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)

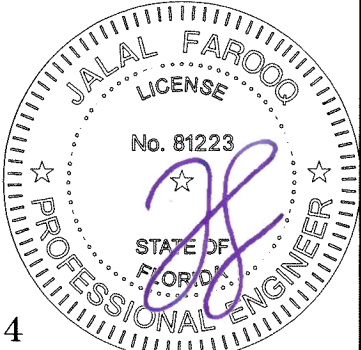
TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1-1/4" 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.

Sealed: 7/29/2025

FL #46884



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)

SERIES-1100WW ALUM SINGLE HUNG WINDOW (S.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

Revisions:

no	date	by	description

date: 06-18-24
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
24-38F
sheet 2 of 12

SINGLE HUNG OVER FIXED WINDOW ANCHOR LOAD CAPACITY - PSF									
WINDOW DIMS.		GLASS TYPES 'A' & 'AR'				GLASS TYPES 'B', 'BR' & 'C'			
		ANCHORS 'A'		ANCHORS 'C'		ANCHORS 'A'		ANCHORS 'C'	
		1/2" MAX. SHIM		3/8" MAX. SHIM		1/2" MAX. SHIM		3/8" MAX. SHIM	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
36"	84"	100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
42"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
45"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
48"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
50"		100.0	150.0	100.0	150.0	-	-	-	-
36"	90"	100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
42"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
45"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
48"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
50"		100.0	150.0	100.0	150.0	-	-	-	-
36"	96"	100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
42"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
45"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
48"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
50"		100.0	150.0	100.0	150.0	-	-	-	-
36"	102"	100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
42"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
45"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
48"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
50"		100.0	150.0	100.0	150.0	-	-	-	-
36"	108"	100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
42"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
45"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
48"		100.0	150.0	100.0	150.0	100.0	140.0	100.0	140.0
50"		100.0	150.0	100.0	150.0	-	-	-	-
36"	110"	100.0	150.0	100.0	150.0				
42"		100.0	150.0	100.0	150.0				
45"		100.0	150.0	100.0	150.0				
48"		100.0	150.0	100.0	150.0				
50"		100.0	150.0	100.0	150.0				
36"	114"	100.0	150.0	100.0	150.0				
42"		100.0	150.0	100.0	150.0				
45"		100.0	150.0	100.0	150.0				
48"		100.0	120.0	100.0	120.0				
50"		100.0	120.0	100.0	120.0				
36"	120"	100.0	150.0	100.0	150.0				
42"		100.0	150.0	100.0	150.0				
43-1/2"		100.0	150.0	100.0	150.0				
45"		100.0	120.0	100.0	120.0				
48"		100.0	120.0	100.0	120.0				
50"		100.0	120.0	100.0	120.0				

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.
WITH MINIMUM SILL HEIGHT OF 36 IN. ABOVE WALKING SURFACE.

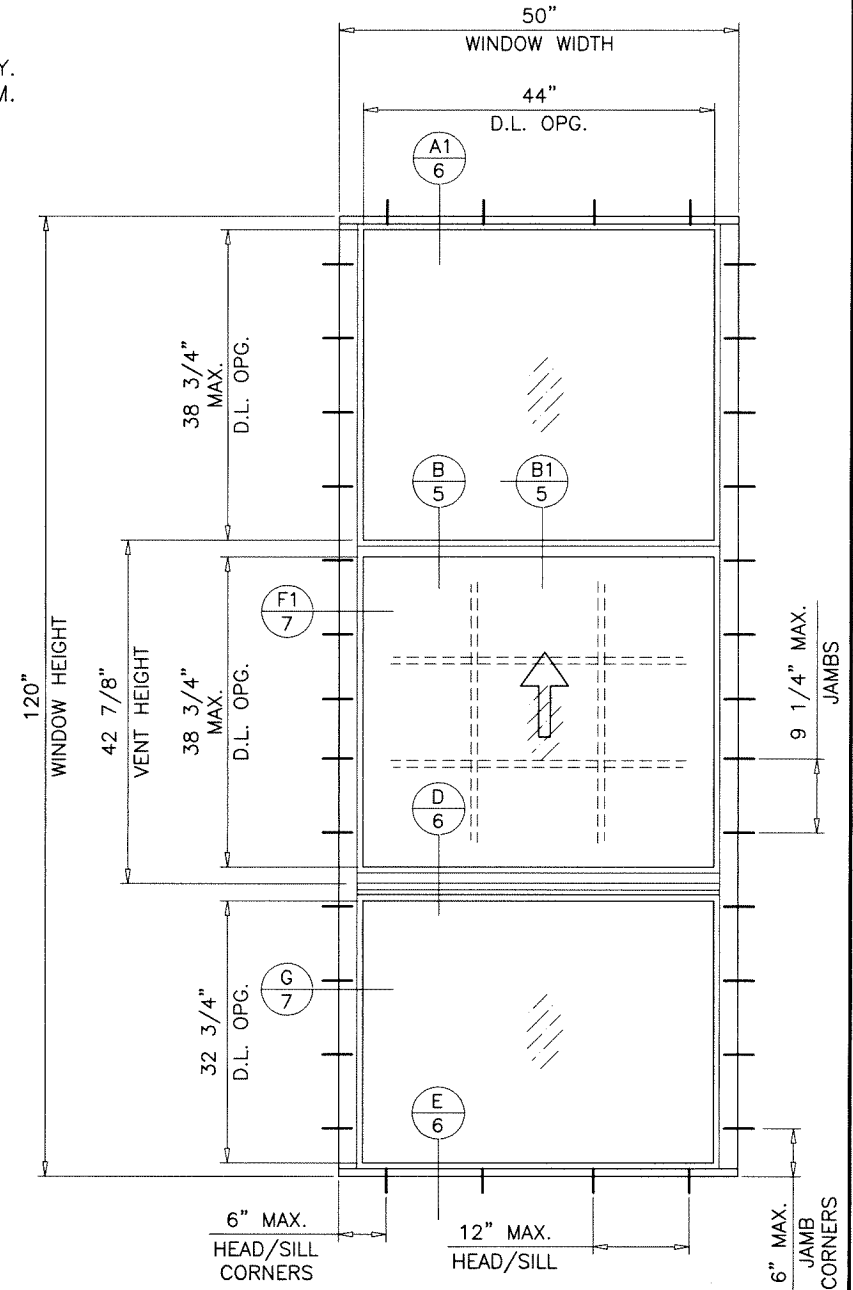
INSTRUCTIONS:
SEE SHEET 1 FOR GLASS TYPES AND DESIGN LOAD CAPACITY.
SEE CHART BELOW FOR S.H. OVER FIXED WINDOW ANCHOR CAPACITY.
LOWER VALUES FROM THESE CHARTS WILL APPLY TO ENTIRE SYSTEM.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
TYPE 'A' - 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)
THRU 1BY BUCKS INTO CONC. OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
DIRECTLY INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
TYPE 'C' - 1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
INTO F.B.C. APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
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 MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1-1/4" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

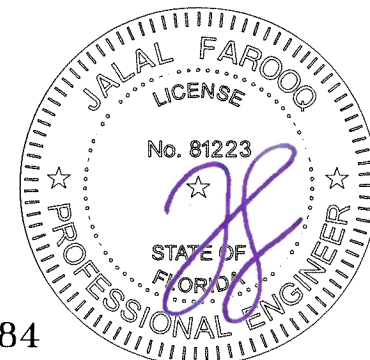
WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



TYPICAL ELEVATION

Sealed: 7/29/2025

FL #46884



af c
AL-FAROOQ CORPORATION
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Revisions:		by description	
no	date		

date: 06-18-24
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.

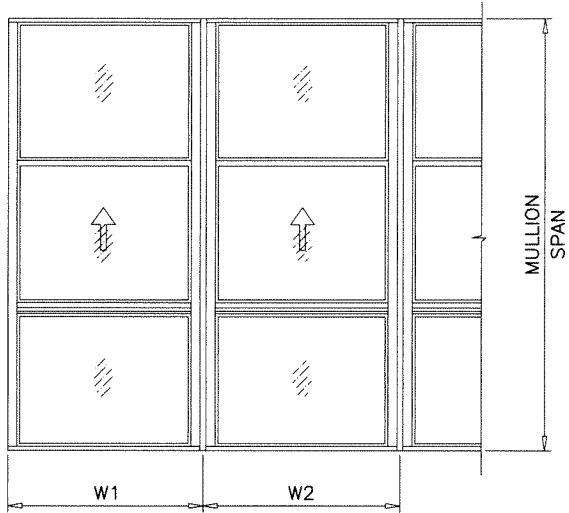
24-38F

sheet 3 of 12

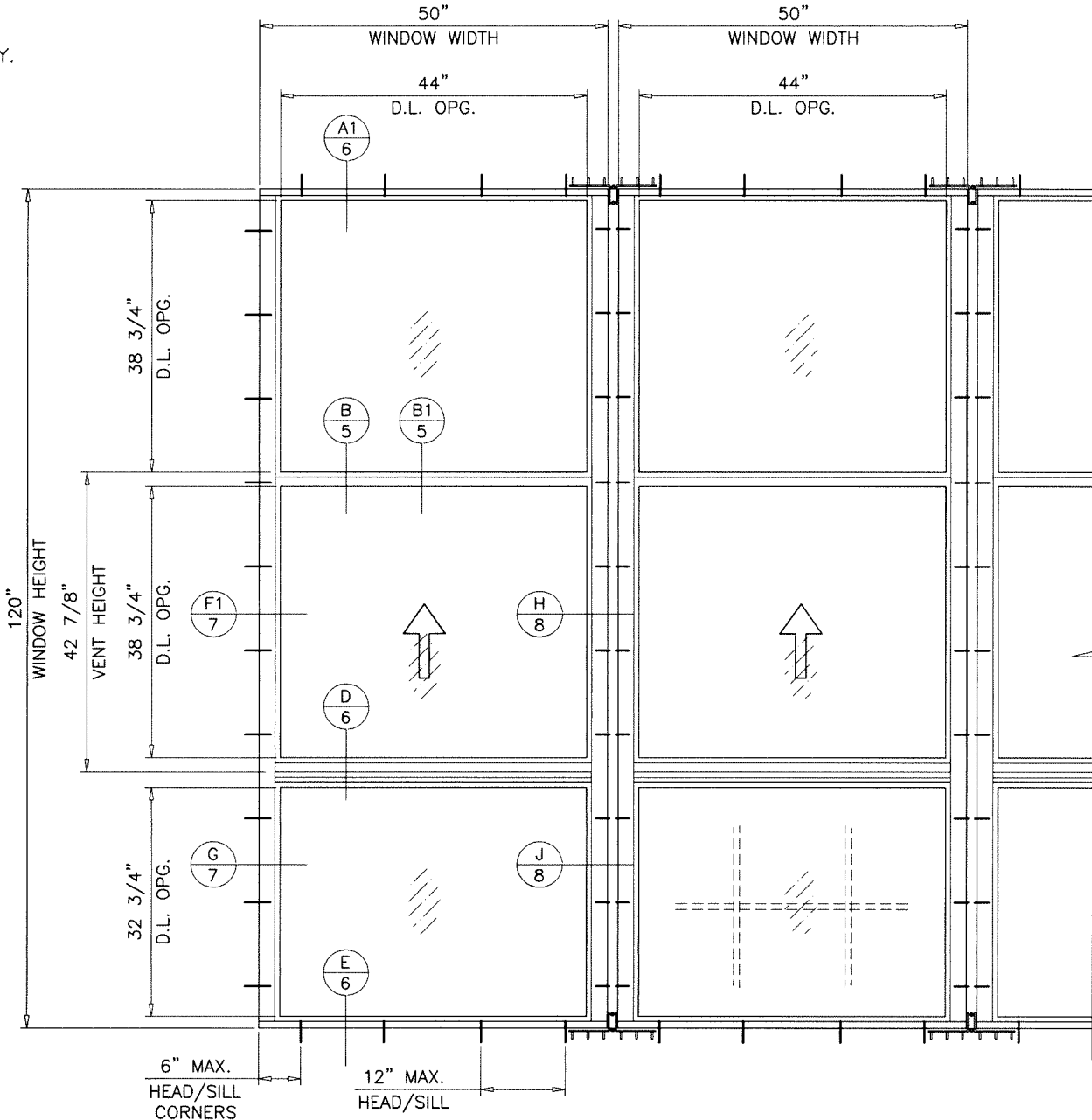
COMP-ANL 24-38F-ES

MULLION LOAD CAPACITY - PSF SINGLE HUNG OVER FIXED WINDOW			
WINDOW DIMS.		MULLION W/O REINF.	MULLION W/ REINF.
WIDTH (W)	MULL SPAN	EXT. (+) INT. (-)	EXT. (+) INT. (-)
24"	102"	140.0	150.0
30"		140.0	150.0
36"		140.0	150.0
42"		140.0	150.0
48"		130.7	150.0
50"		-	150.0
24"	108"	140.0	150.0
30"		140.0	150.0
36"		140.0	150.0
42"		129.1	150.0
48"		114.8	150.0
50"		-	147.5
24"	110"	-	150.0
30"		-	150.0
36"		-	150.0
42"		-	150.0
48"		-	145.3
50"		-	139.6
24"	114.0	-	120.0
30"		-	120.0
36"		-	120.0
42"		-	120.0
48"		-	120.0
50"		-	120.0
24"	120.0	-	120.0
30"		-	120.0
36"		-	120.0
42"		-	120.0
48"		-	120.0
50"		-	116.3

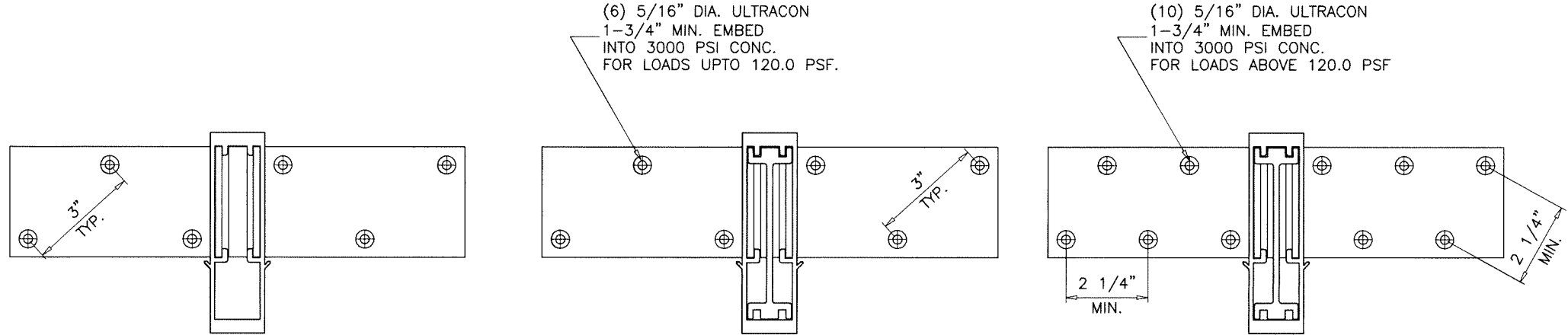
INSTRUCTIONS:
SEE SHEET 1 FOR GLASS TYPES AND DESIGN LOAD CAPACITY.
SEE CHART ON SHEET 3 FOR S.H. OVER FIXED WINDOW ANCHOR CAPACITY.
SEE CHARTS BELOW FOR WINDOW MULLION CAPACITY.
LOWER VALUES FROM THESE CHARTS WILL APPLY TO ENTIRE SYSTEM.



$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



TYPICAL ELEVATION
SIDE BY SIDE UNITS



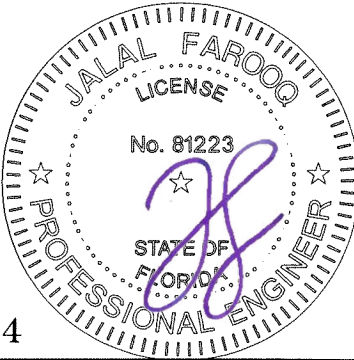
MULLION WITHOUT REINF.

MULLION WITH REINF.

INSTALL CLIP ANGLES DIRECTLY TO CONC. WITHOUT SHIM SPACE
NOTCH WOOD BUCKS TO ACCOMMODATE CLIP ANGLES

Sealed: 7/29/2025

FL #46884



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)

SERIES-1100WW ALUM SINGLE HUNG WINDOW (S.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

Revisions:

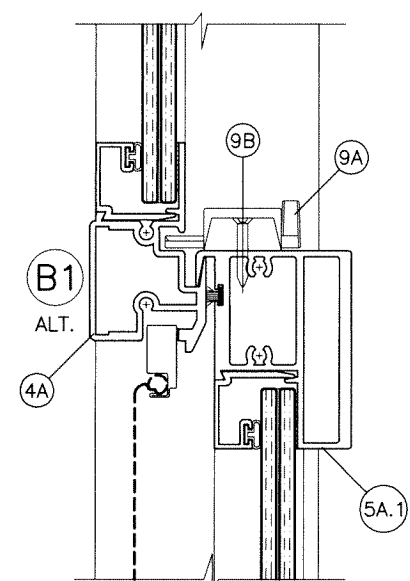
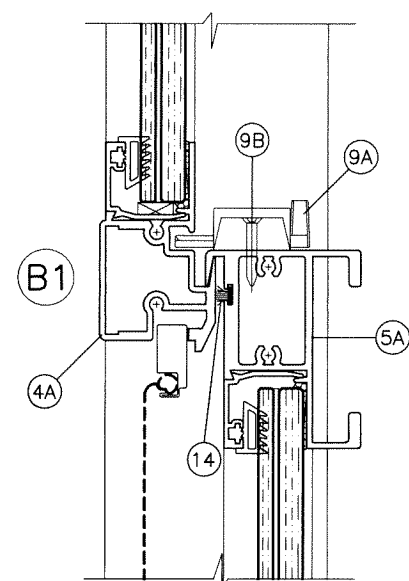
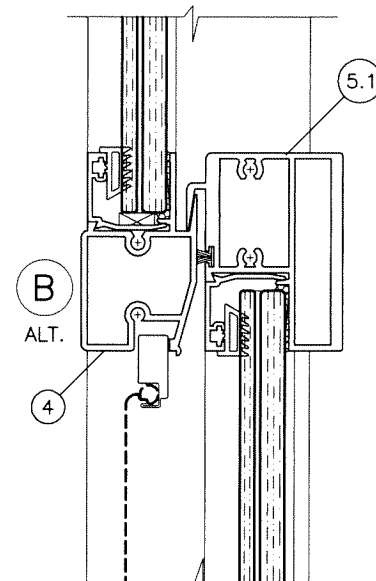
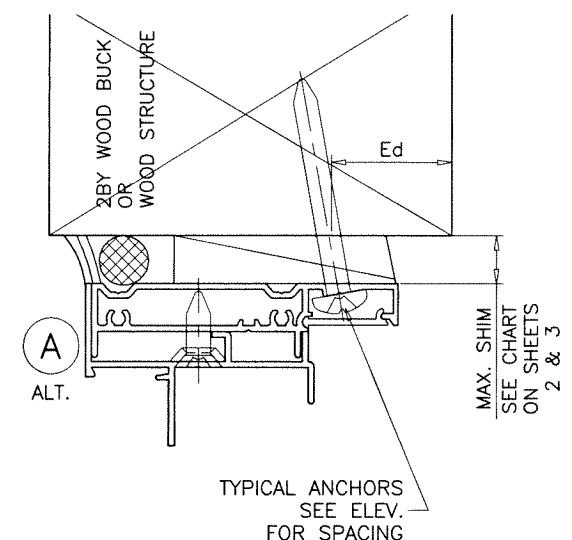
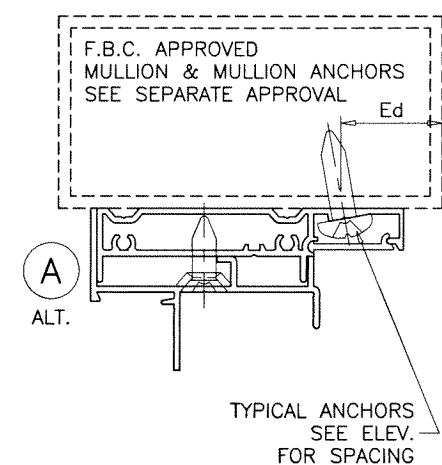
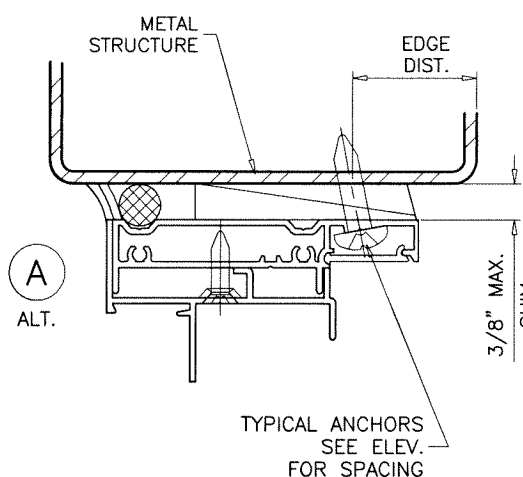
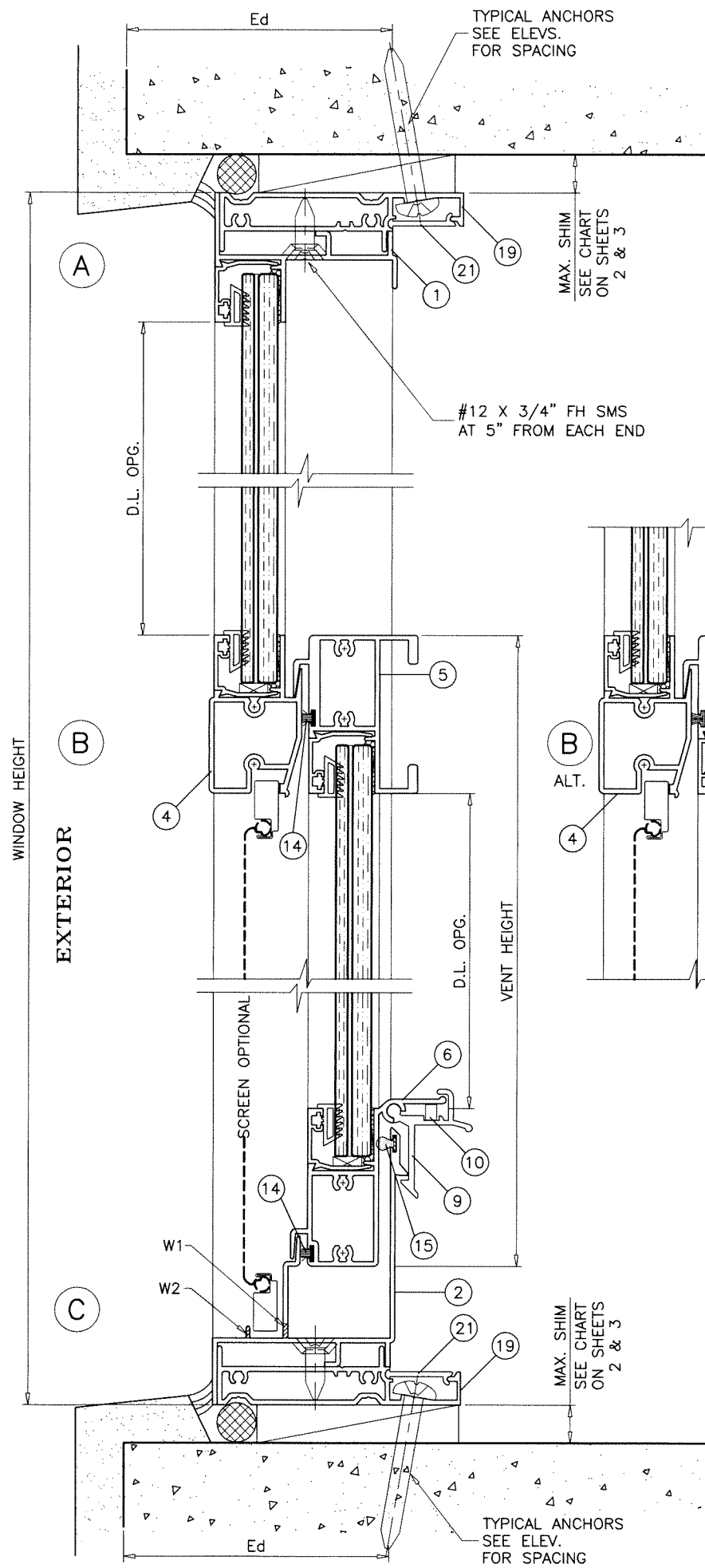
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dr. by: TARIQ
chk. by:

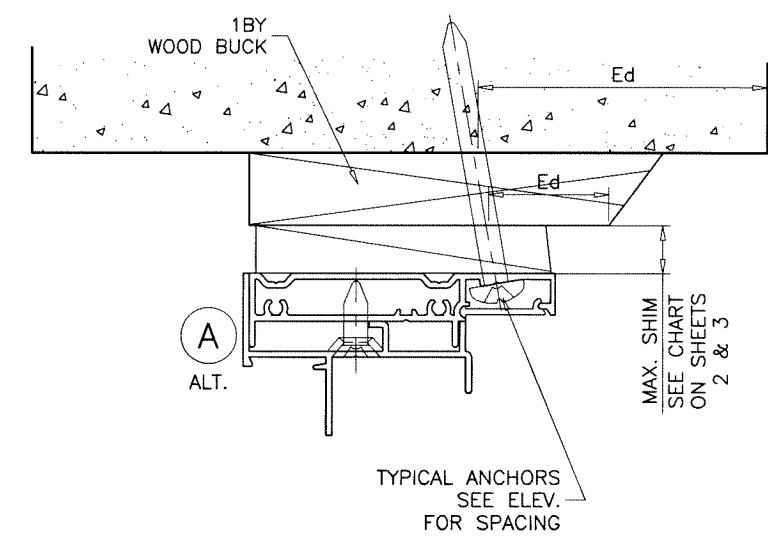
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24-38F

sheet 4 of 12

COMP-ANL 24-38F-ES



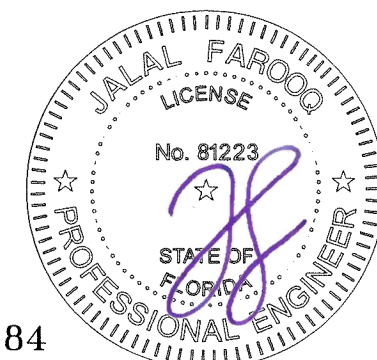
SWEEP LATCHES
OPTIONAL TO SPRING LOADED LATCHES



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

WEEPHOLES:

W1 = 1-1/2" X 3/16" WEEPHOLES AT 4" FROM EACH END
W2 = 1-5/16" NOTCH AT EACH END



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COMP-ANL\24-38F-ES

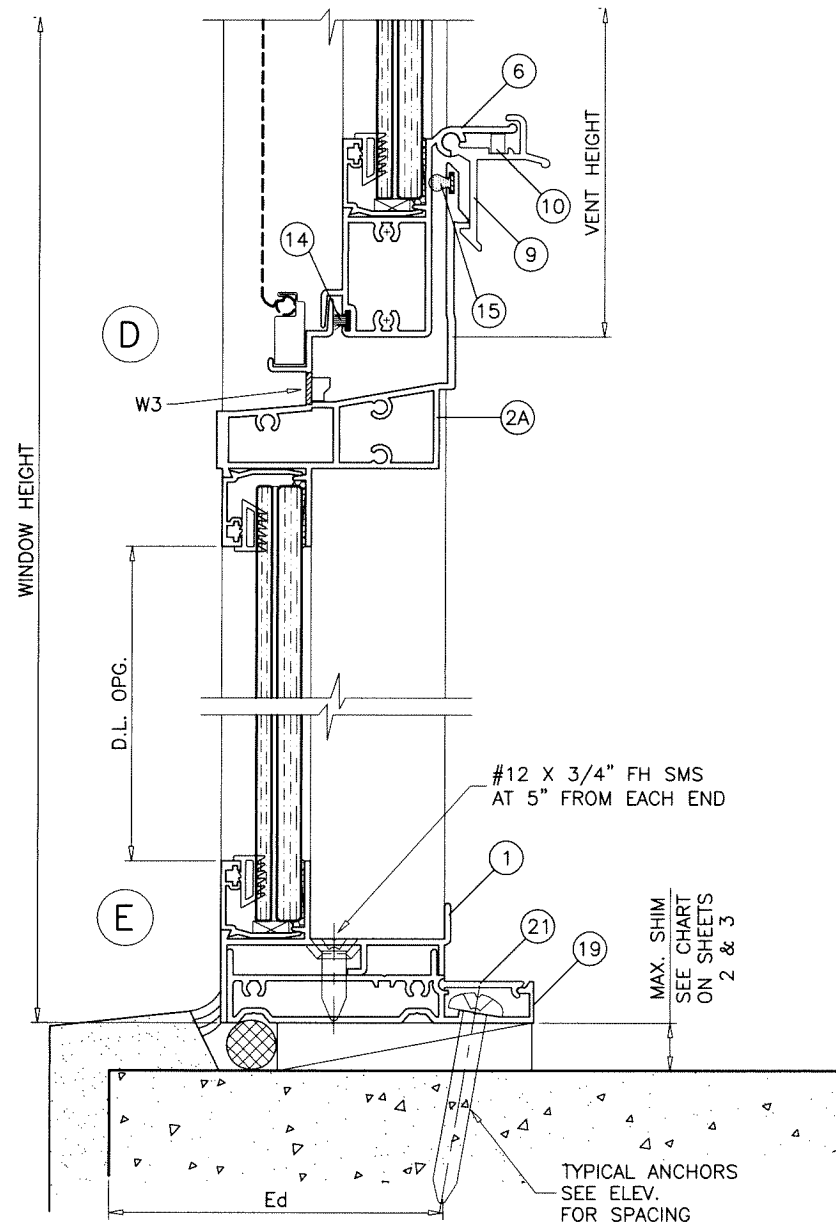
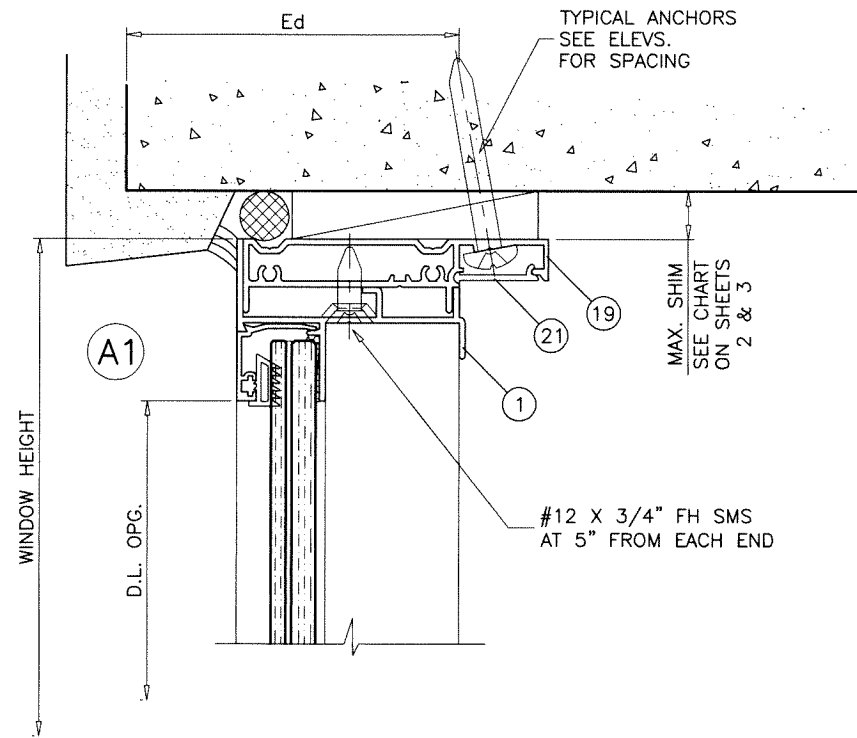
SERIES-1100WW ALUM SINGLE HUNG WINDOW (S.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	
no	date by description

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dr. by: TARIQ
chk. by:

drawing no.
24-38F
sheet 5 of 12

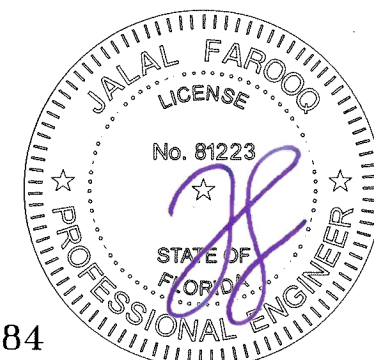


WEEPHOLES:

W3 = 5/16" WEEPHOLES AT 6" FROM EACH END WITH PLASTIC BAFFLE

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FL #46884



SERIES-1100WW ALUM SINGLE HUNG WINDOW (S.M.I.)

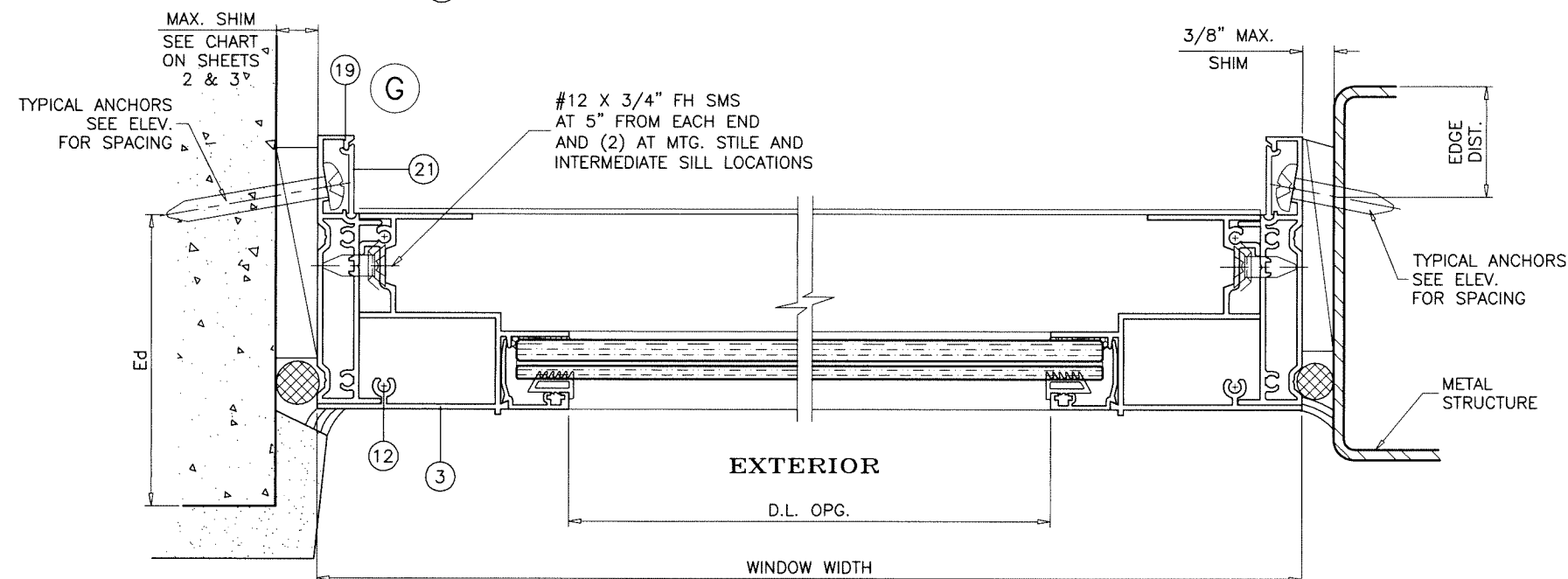
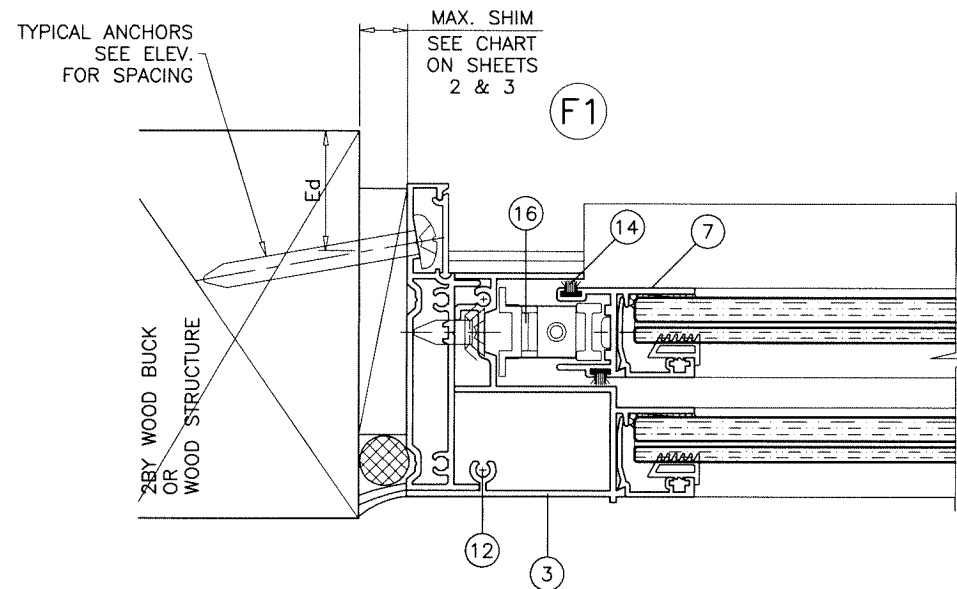
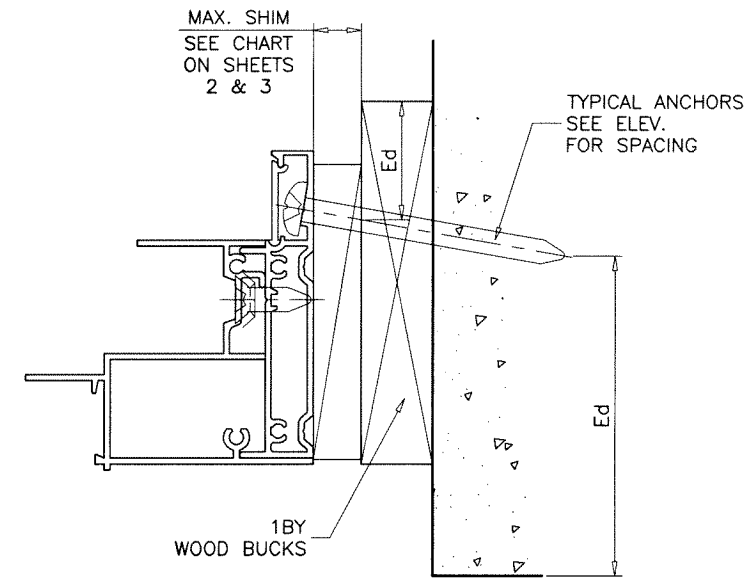
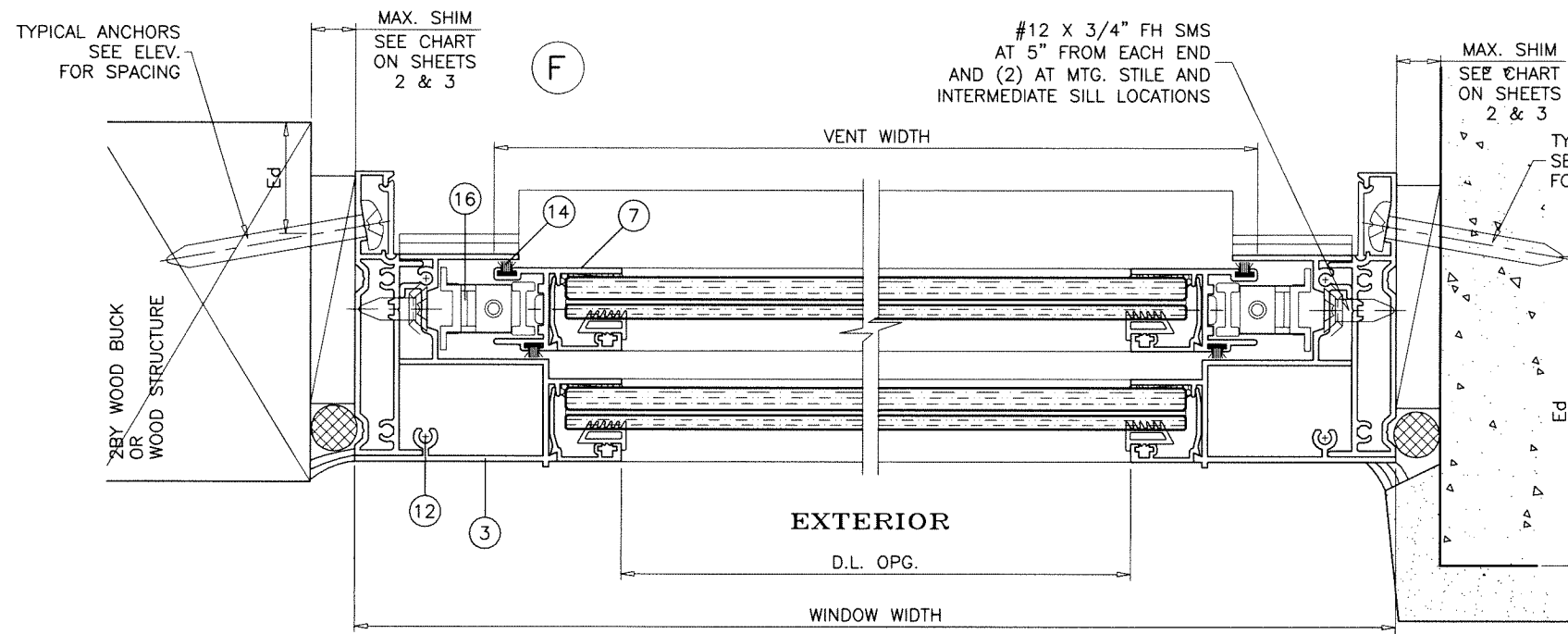
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COMP-ANL\24-38F-ES

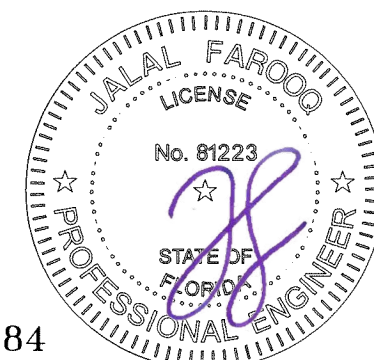
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drawing no. 24-38F
sheet 6 of 12



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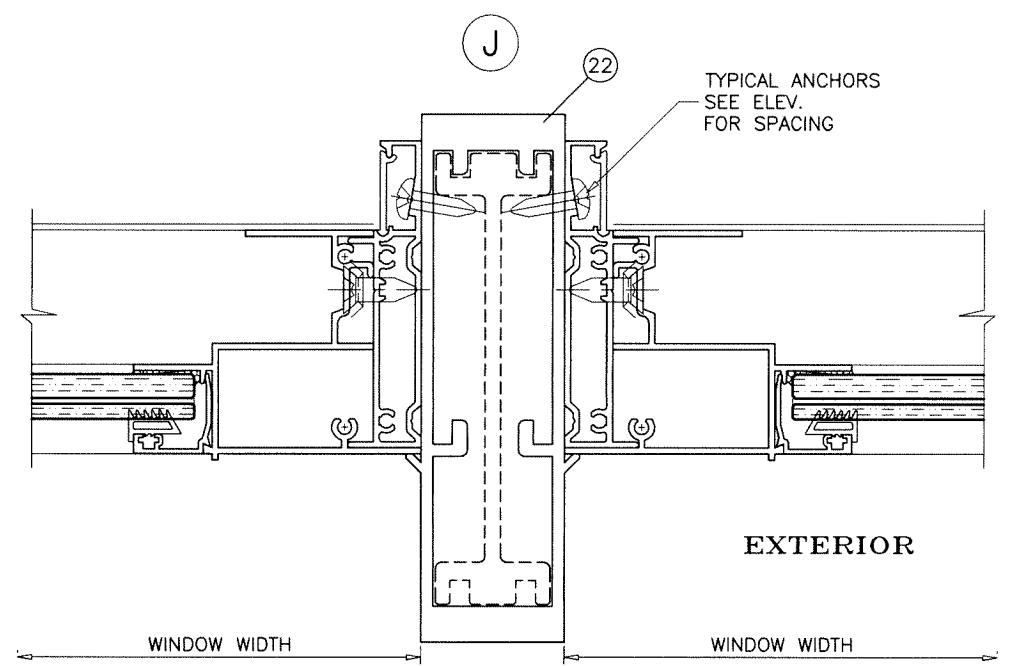
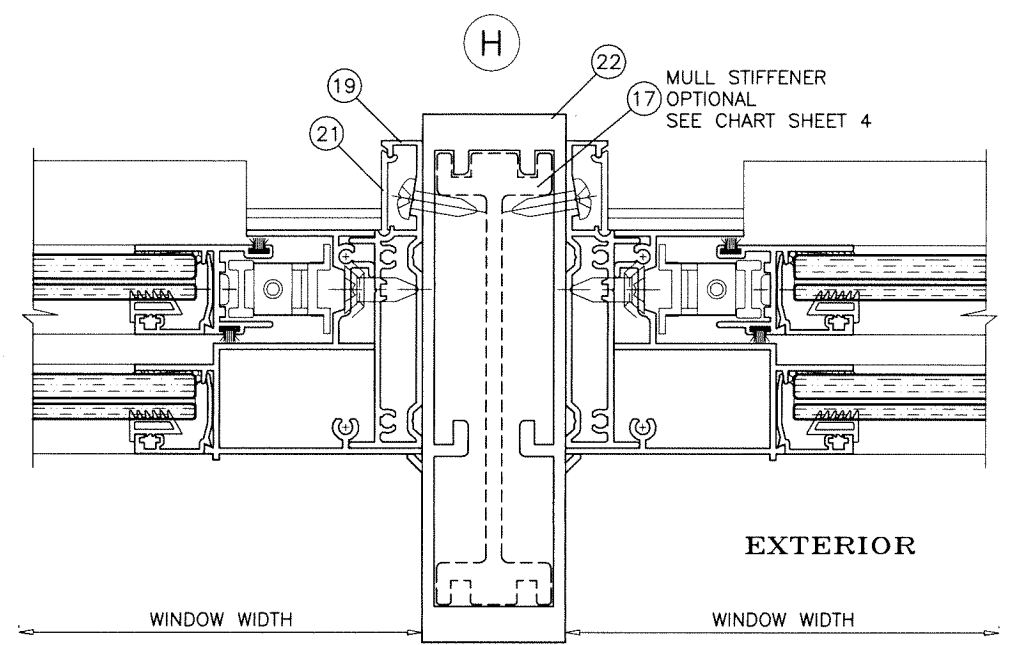
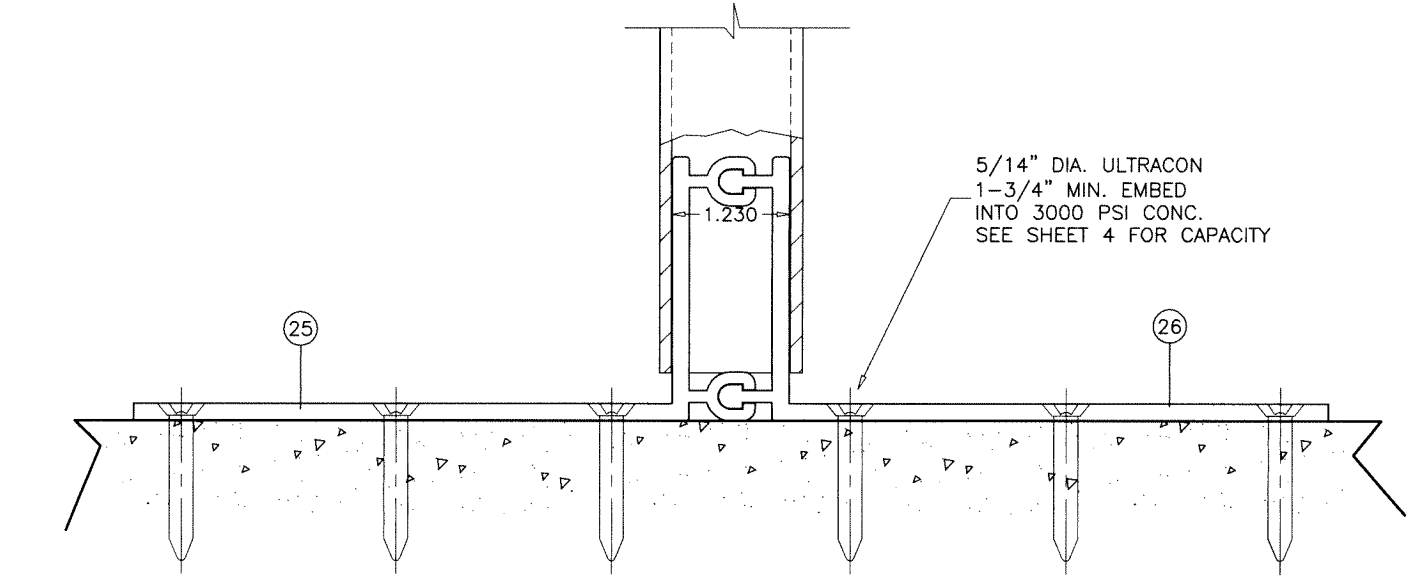
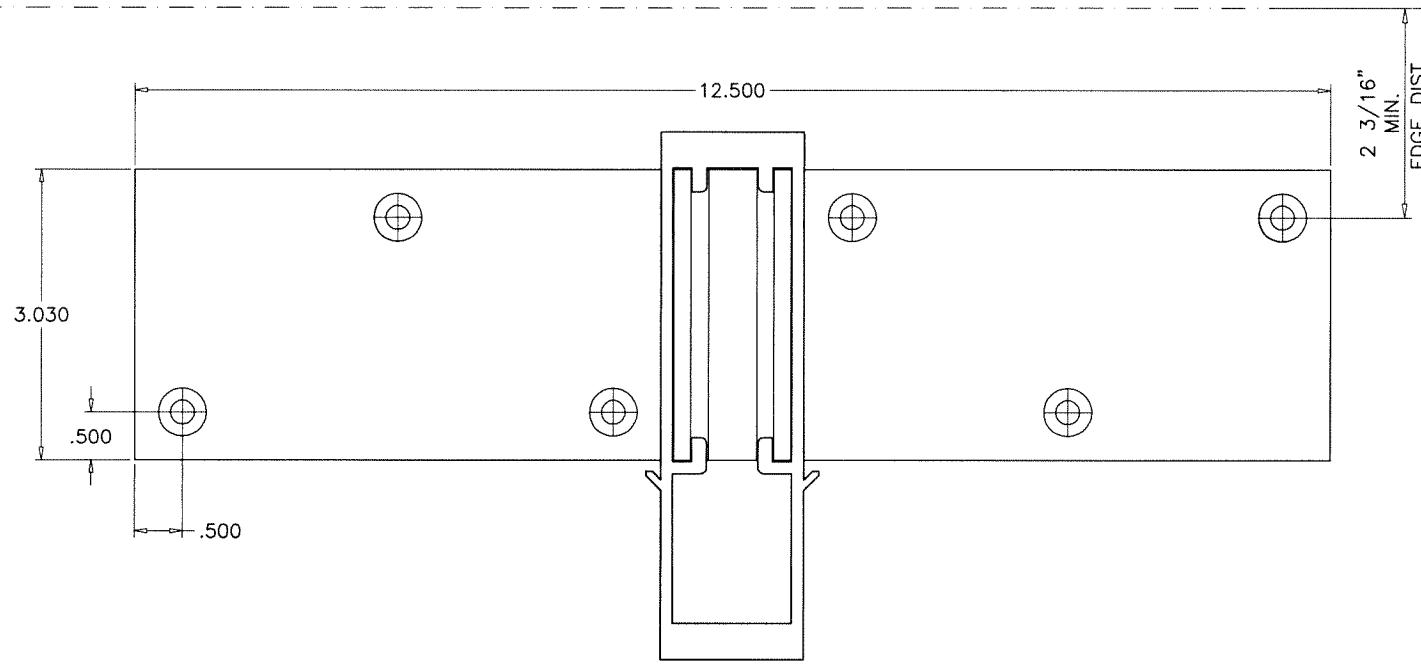
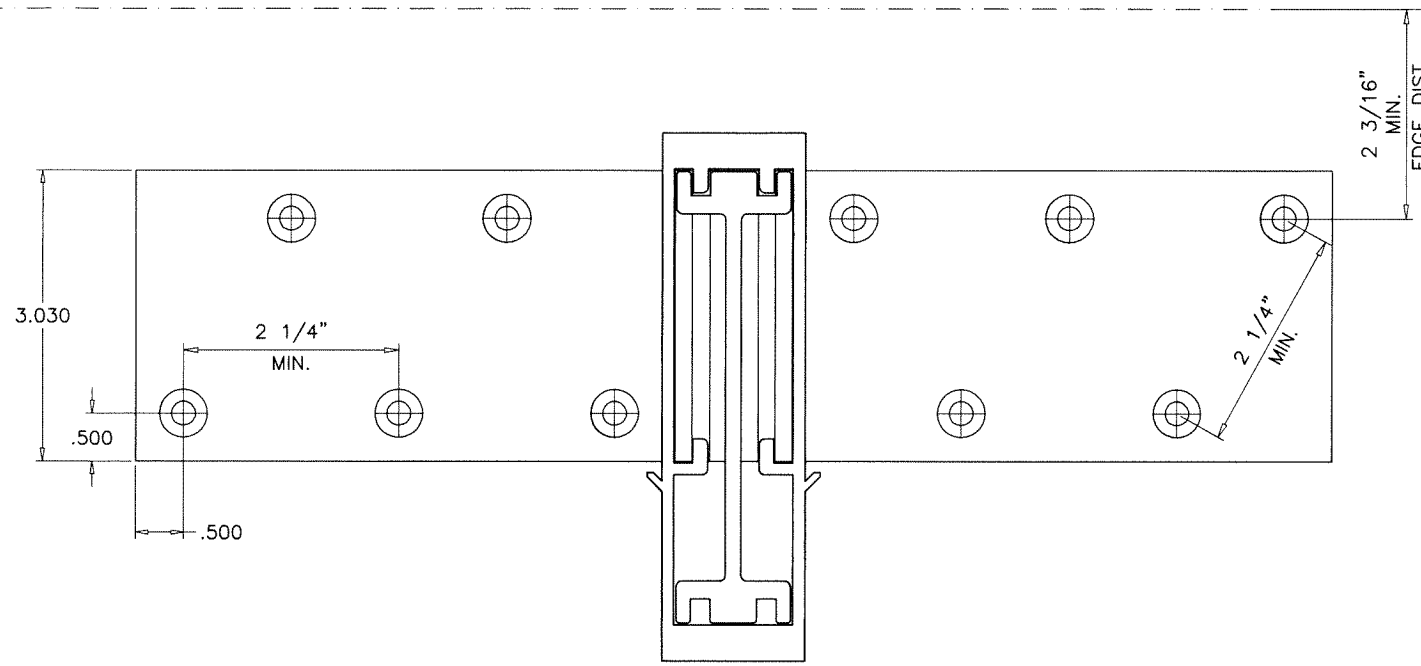
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drawing no.
24-38F
sheet 7 of 12



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COMP-ANL\24-38F-ES

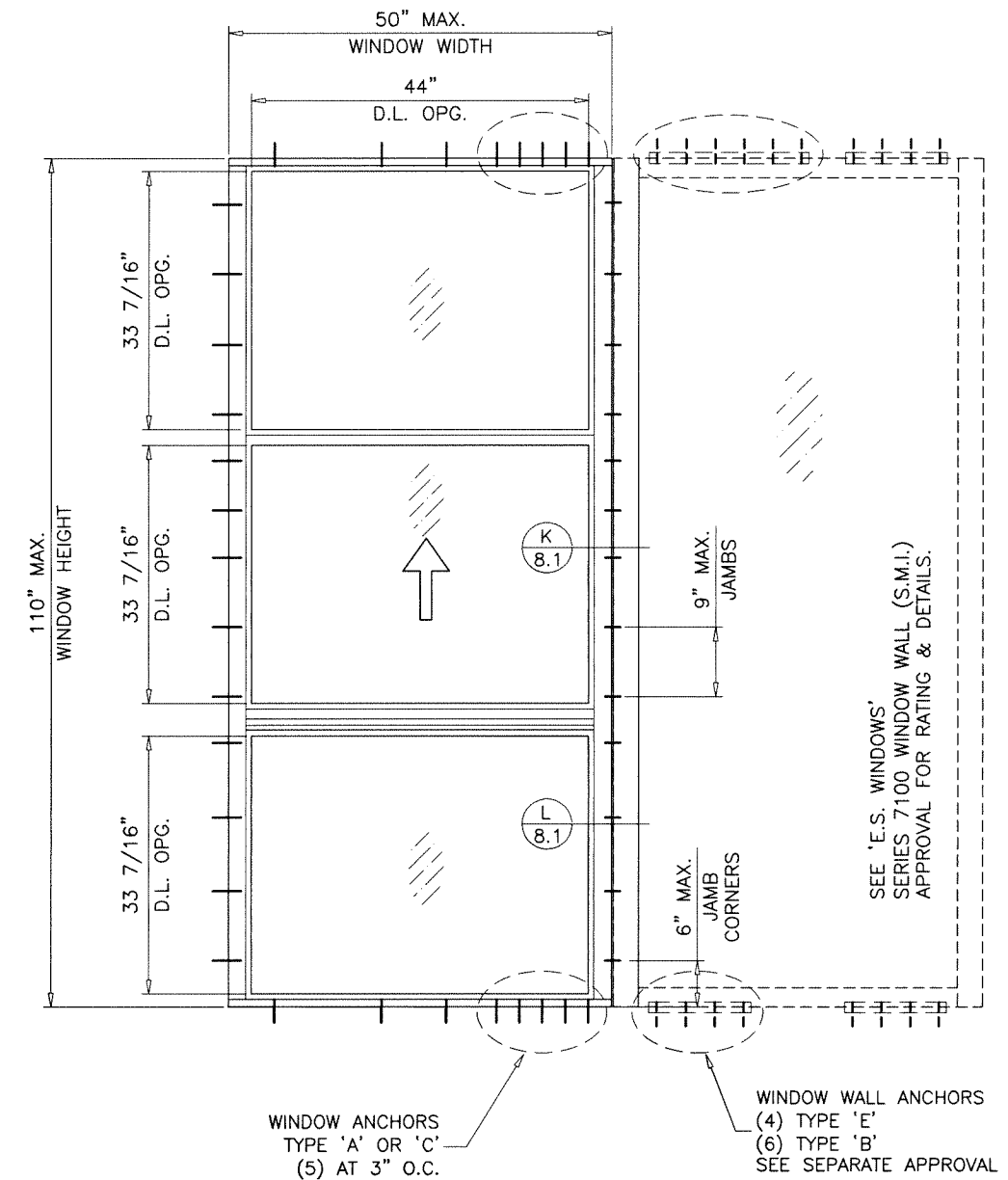
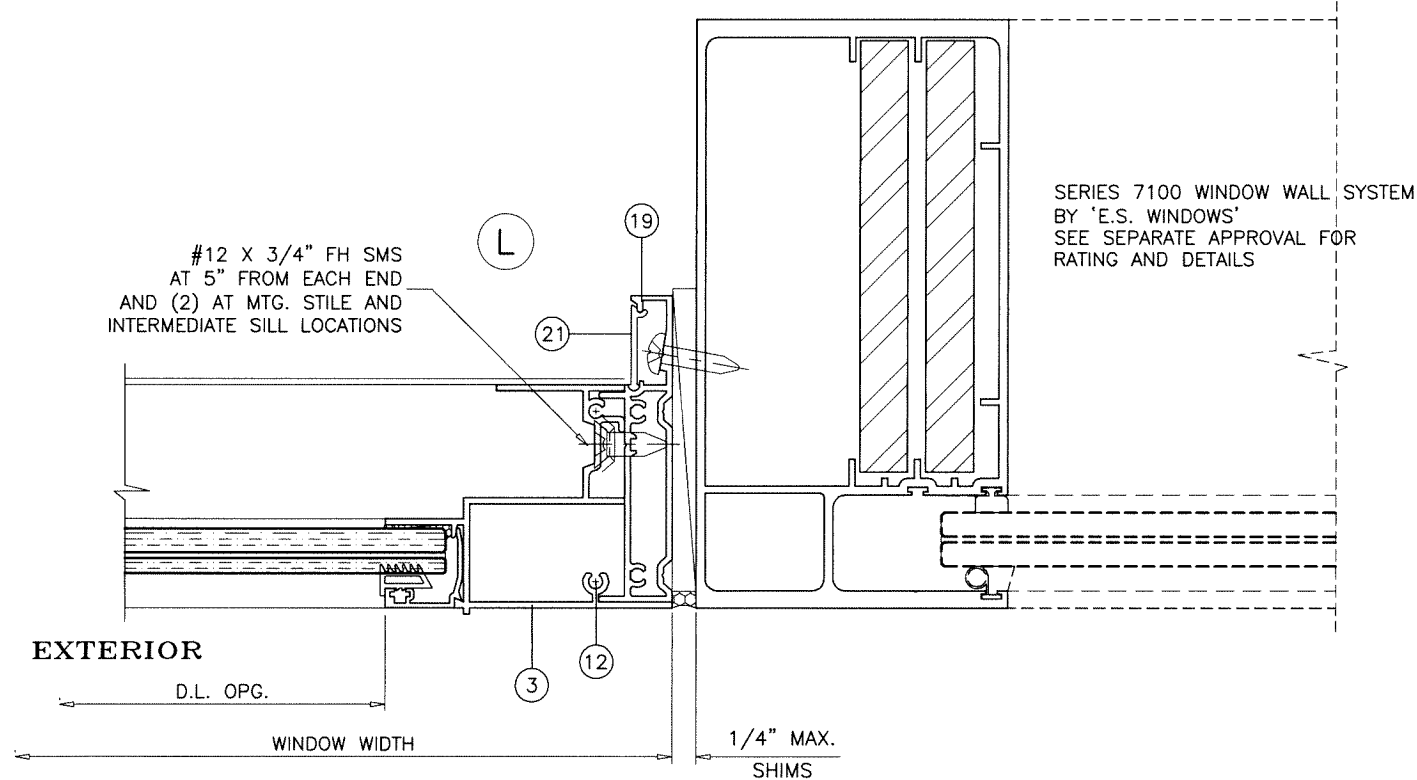
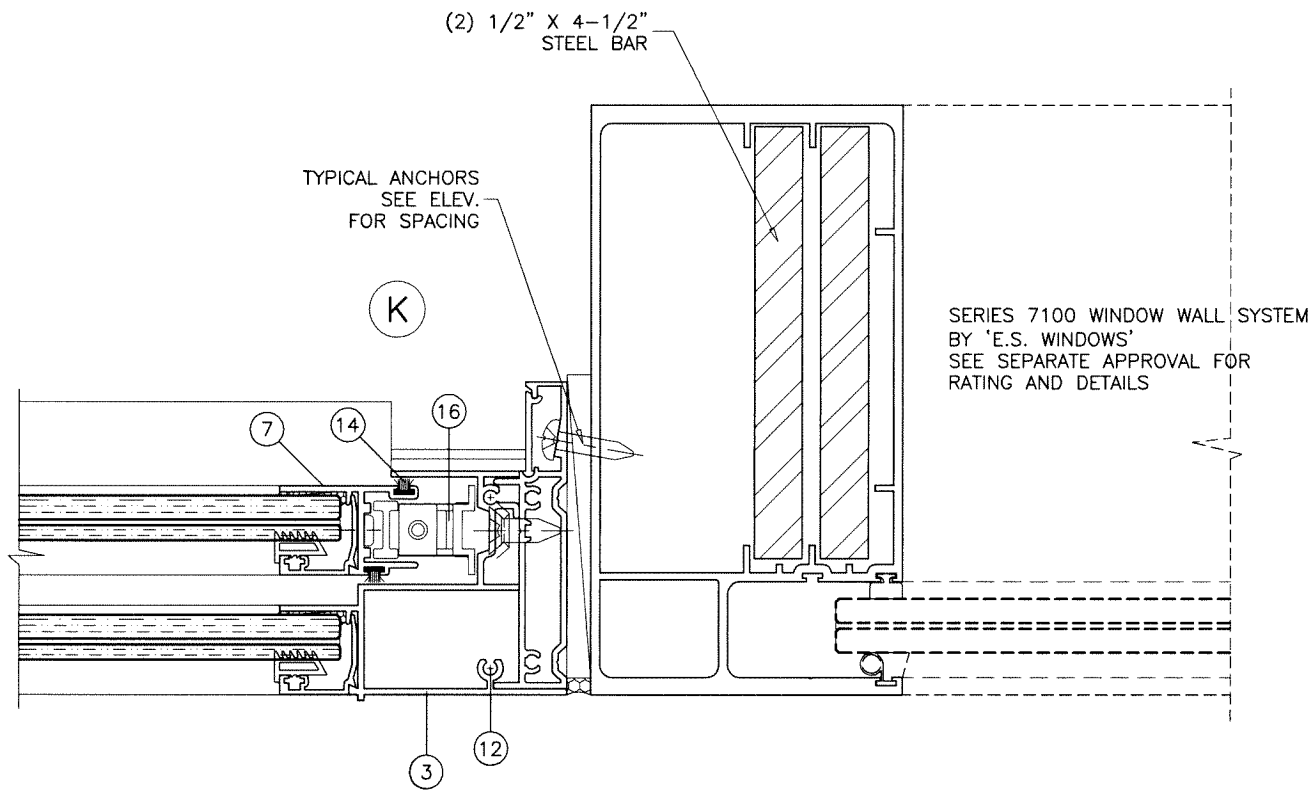
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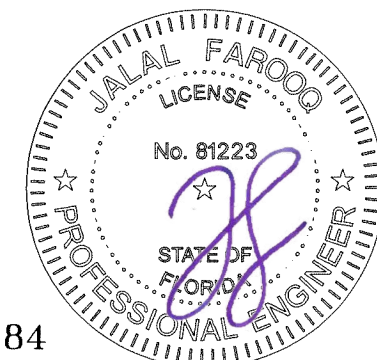
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drawing no.	sheet 8 of 12
24-38F	



MAXIMUM DESIGN LOAD RATING = + 100.0 PSF
(SIDE BY SIDE COMBINATION OF
S-1100WW SINGLE HUNG WINDOW
AND S-7100 WINDOW WALL)
- 150.0 PSF



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FL #46884

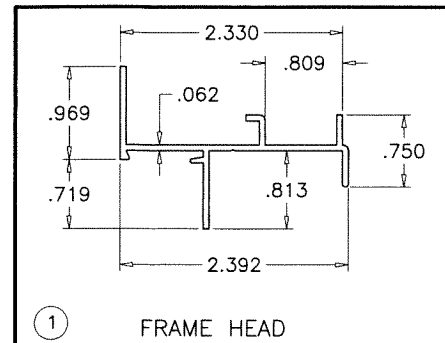
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MIAMI, FLORIDA 33173 (C.A.N. 3538)
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COMP-ANL 24-38F-ES

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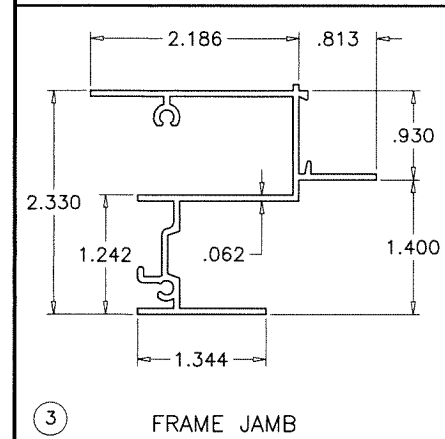
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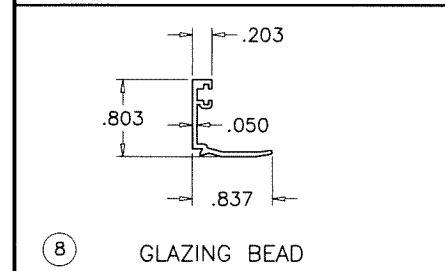
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24-38F
sheet 9 of 12



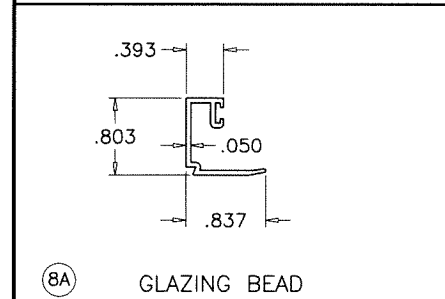
① FRAME HEAD



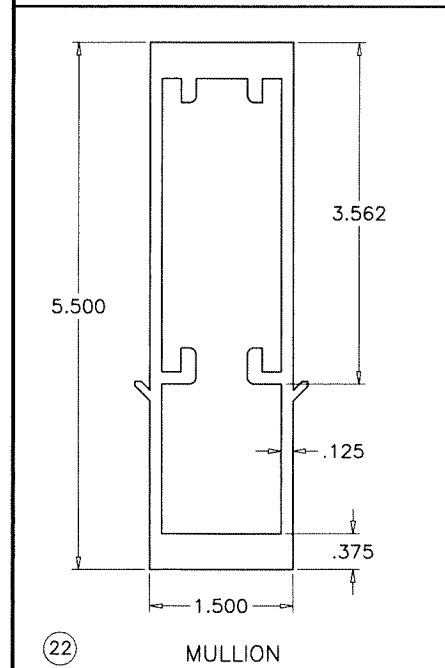
③ FRAME JAMB



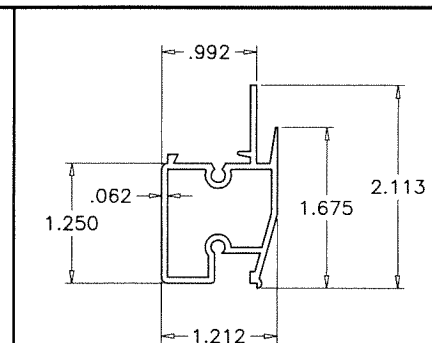
⑧ GLAZING BEAD



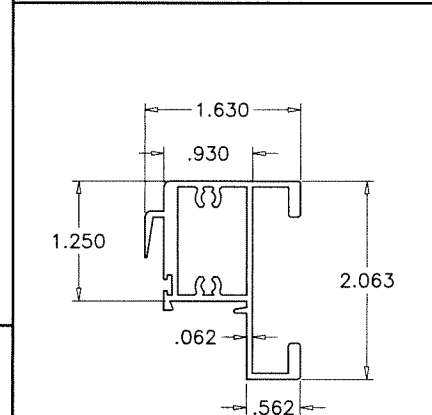
⑧A GLAZING BEAD



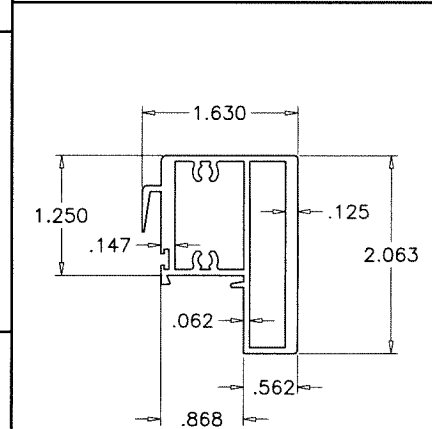
②② MULLION



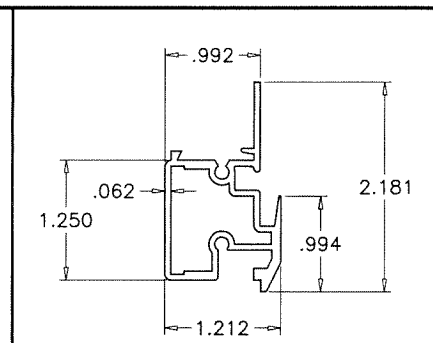
④ MEETING RAIL FOR SPRING LATCH



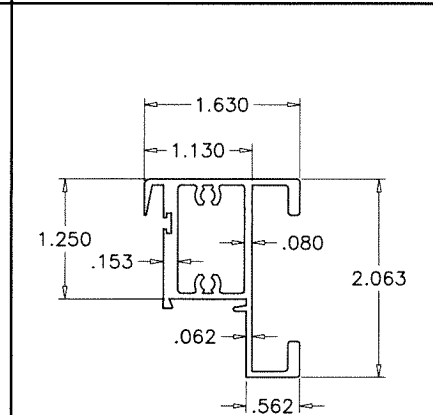
⑤ VENT TOP RAIL FOR SPRING LATCH



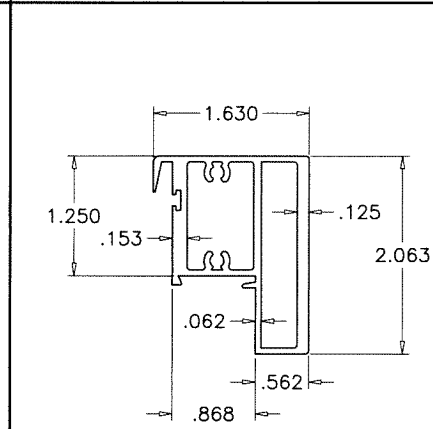
⑤.1 H.D. VENT TOP RAIL FOR SPRING LATCH



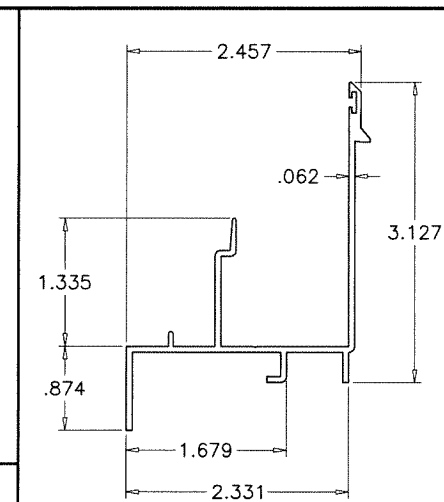
④A MEETING RAIL FOR SWEEP LATCH



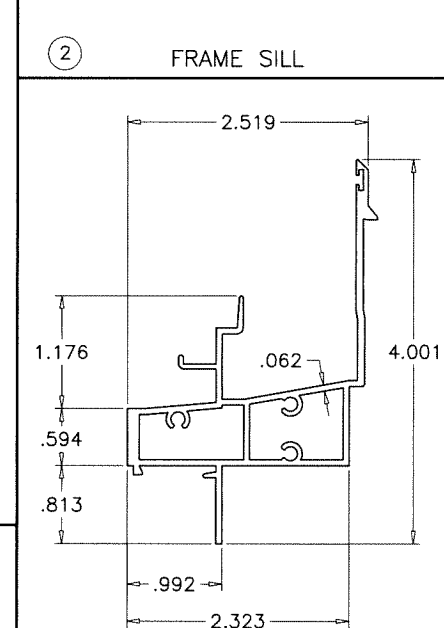
⑤A VENT TOP RAIL FOR SWEEP LATCH



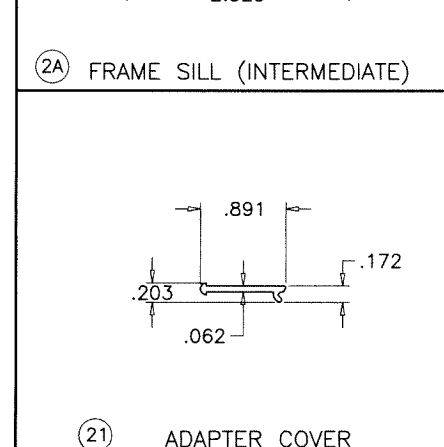
⑤A.1 H.D. VENT TOP RAIL FOR SWEEP LATCH



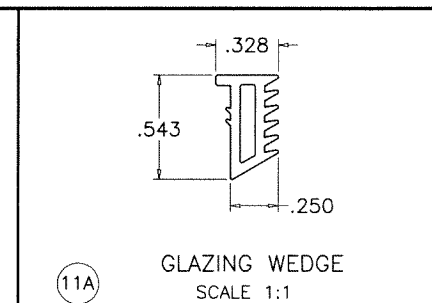
② FRAME SILL



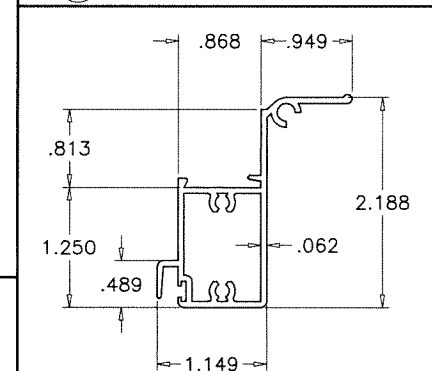
②A FRAME SILL (INTERMEDIATE)



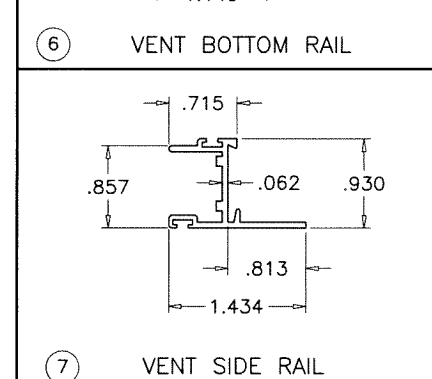
②① ADAPTER COVER



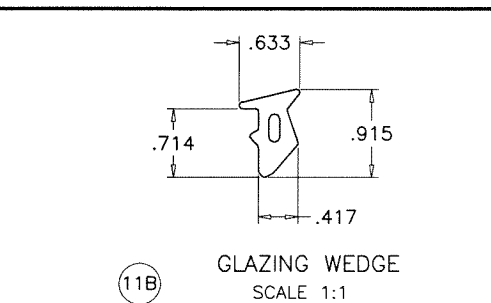
⑪A GLAZING WEDGE SCALE 1:1



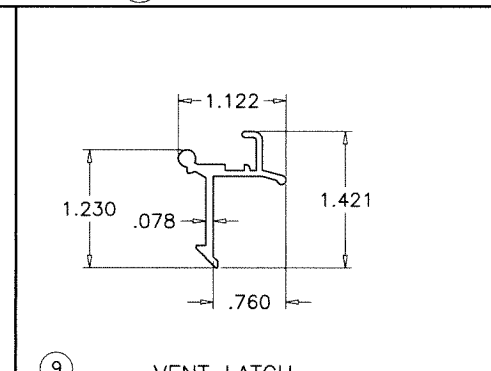
⑥ VENT BOTTOM RAIL



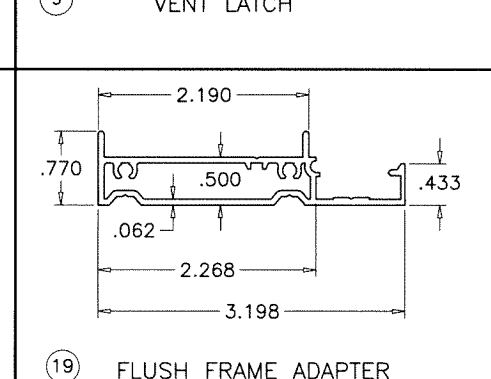
⑦ VENT SIDE RAIL



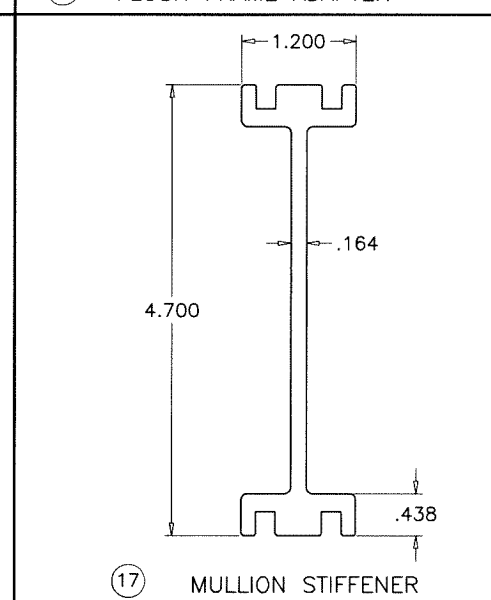
⑪B GLAZING WEDGE SCALE 1:1



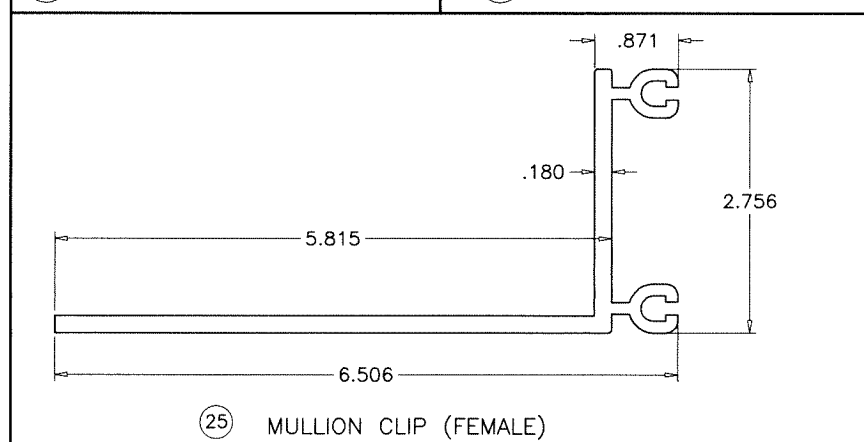
⑨ VENT LATCH



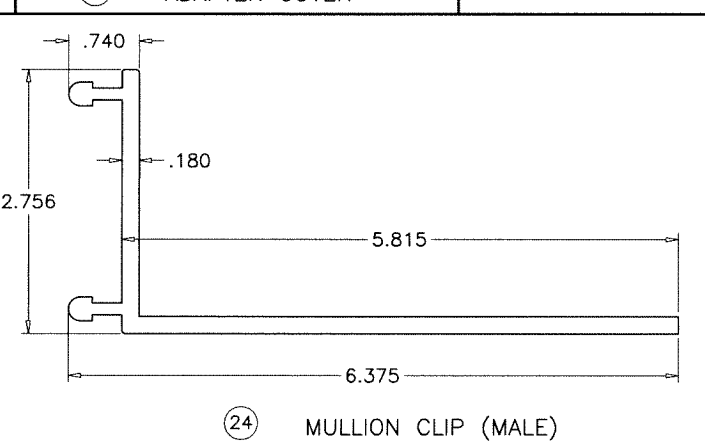
①⑨ FLUSH FRAME ADAPTER



①⑦ MULLION STIFFENER



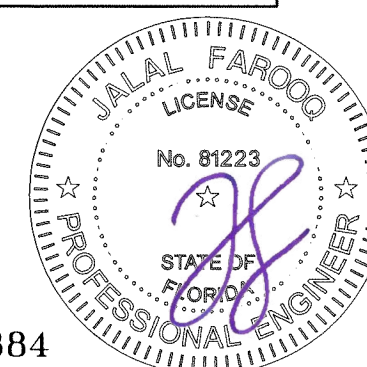
②⑤ MULLION CLIP (FEMALE)



②④ MULLION CLIP (MALE)

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FL #46884



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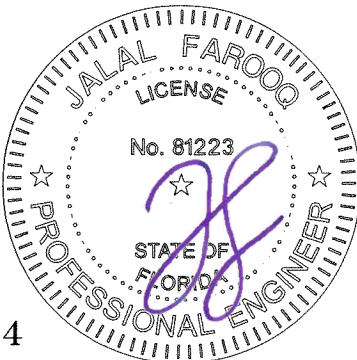
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scale: 1/2" = 1"
dr. by: TARIQ
chk. by:
drawing no.
24-38F
sheet 10 of 12

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ES1001	1	FRAME HEAD	6063-T6	-
2	ES1101	1	FRAME SILL	6063-T6	-
2A	ES1055	1	FRAME SILL (INTERMEDIATE)	6063-T6	-
3	ES1003	2	FRAME JAMB	6063-T6	-
4	ES1005	1	FIXED MTG. RAIL (FOR SPRING LATCH)	6063-T6	-
4A	ES1051	1	FIXED MTG. RAIL (FOR SWEEP LATCH)	6063-T6	-
5	ES2004	1	VENT TOP RAIL (FOR SPRING LATCH)	6063-T6	-
5.1	ES2004A	1	VENT TOP RAIL (FOR SPRING LATCH)	6063-T6	-
5A	ES1053	1	VENT TOP RAIL (FOR SWEEP LATCH)	6063-T6	-
5A.1	ES1053A	1	VENT TOP RAIL (FOR SWEEP LATCH)	6063-T6	-
6	ES1006	1	VENT BOTTOM RAIL	6063-T6	-
7	ES1007	2	VENT SIDE RAIL	6063-T5	-
8	ES1017	AS RQD.	GLAZING BEAD	6063-T5	-
8A	ES1102	AS RQD.	GLAZING BEAD	6063-T5	-
9	ES1009	2/VENT	SPRING LOADED VENT LATCH	6063-T5	AT 6" FROM ENDS
9A	-	2/VENT	SWEEP LATCH	ZAMAK	AT 6" FROM ENDS
9B	#8 X 1"	2/LATCH	LATCH INSTALLATION SCREWS	-	FH SMS
10	ES1012	1/LATCH	LATCH SPRING	ST. STEEL	-
11	27-425	AS REQD.	GLAZING GASKET	EPDM	DUROMETER 60±5 SHORE 'A'
11A	ES1010	AS REQD.	GLAZING WEDGE	SOFT PVC	DUROMETER 65±5 SHORE 'A'
11B	NP-200-G02	AS REQD.	GLAZING WEDGE	EPDM	DUROMETER 65±5 SHORE 'A'
12	#8 X 1"	20	FRAME & VENT ASSEMBLY SCREWS	CRS	PH SMS
13	ES1011	2/VENT	SASH CAM	CELCON	-
14	23211NG	AS REQD.	PILE W'STRIPPING WITH PLASTIC FIN	POLY PROPYLENE	-
15	Q300X190	AS REQD.	FRAME SILL W'STRIPPING	-	Q-LON2
16	SERIES 86	2/ VENT	BLOCK & TACKLE BALANCE		CALDWELL
17	ES1058	AS REQD.	MULLION STIFFENER	6063-T6	-
18	ES1013	2	SASH STOP	-	-
19	ES1056	AS REQD.	FLUSH FRAME ADAPTER	6063-T6	-
20	-	1	5/16" BOX SCREEN	-	OPTIONAL
21	ES5016	AS REQD.	ADAPTER COVER	6063-T5	-
22	ES1057	AS REQD.	MULLION	6063-T6	-
24	ES1059	AS REQD.	MULLION CLIP (MALE)	6063-T6	-
25	ES1060	AS REQD.	MULLION CLIP (FEMALE)	6063-T6	-
26	27-372	2/ LITE	SETTING BLOCK, 7/16" X 3/16" X 3-1/2" LONG	EPDM	DUROMETER 75±5 SHORE A
27	80-394	8/ LITE	SPACER, 1/32" X 1/2" X 4" LONG	EPDM	AT 6" FROM GLASS ENDS

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SCHNEE MOREHEAD SEAM SEALER SM5504.



Sealed: 7/29/2025

FL #46884

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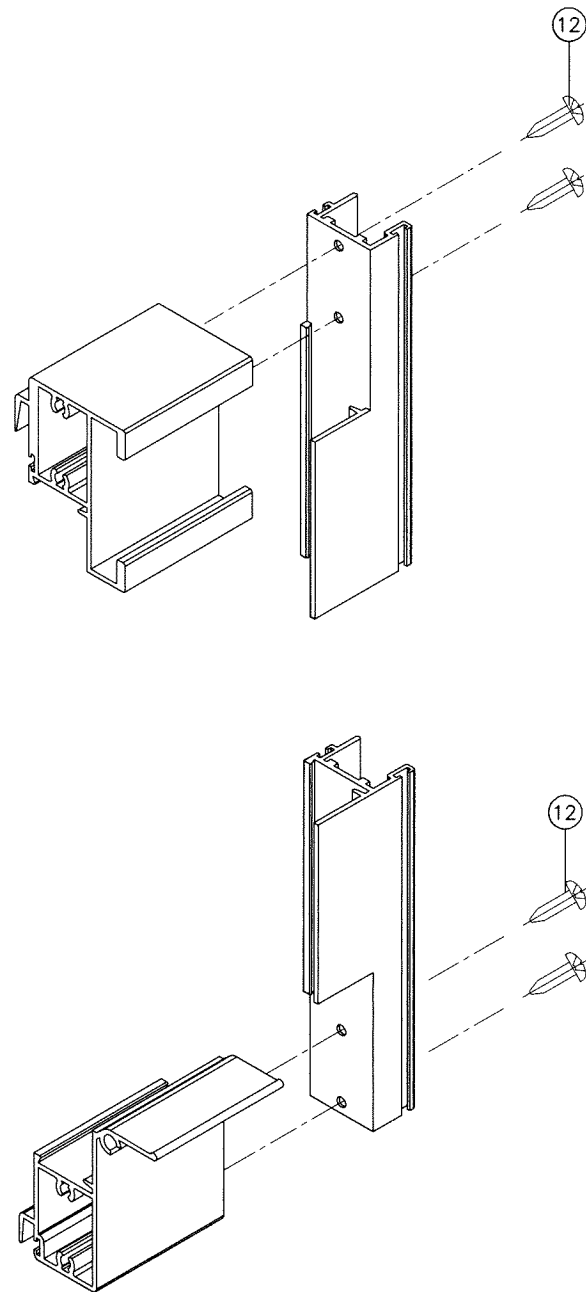
chk. by:

drawing no.

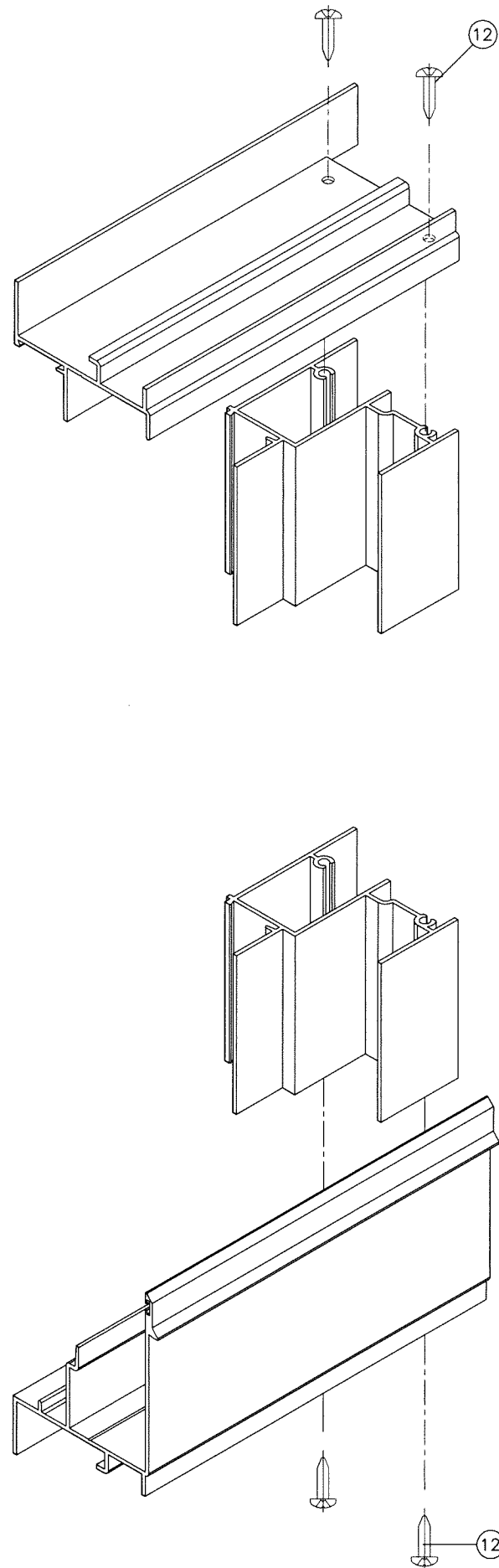
24-38F

sheet 11 of 12

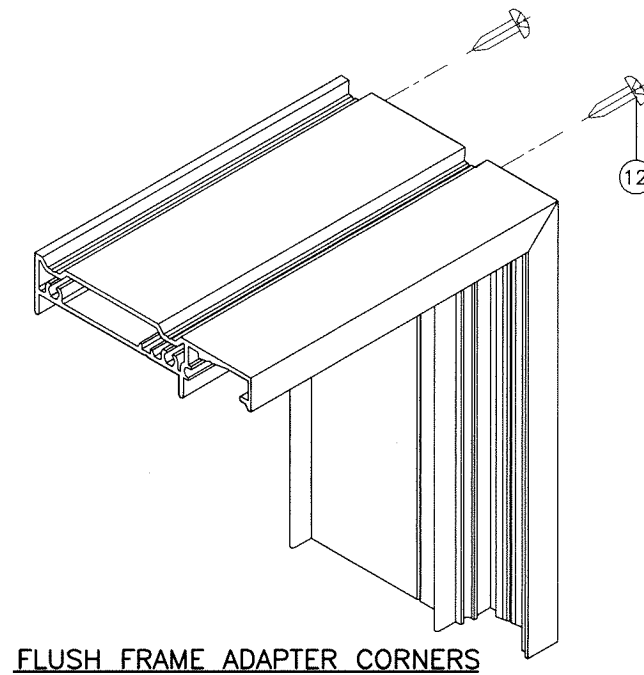
COMP-ANL\24-38F-ES



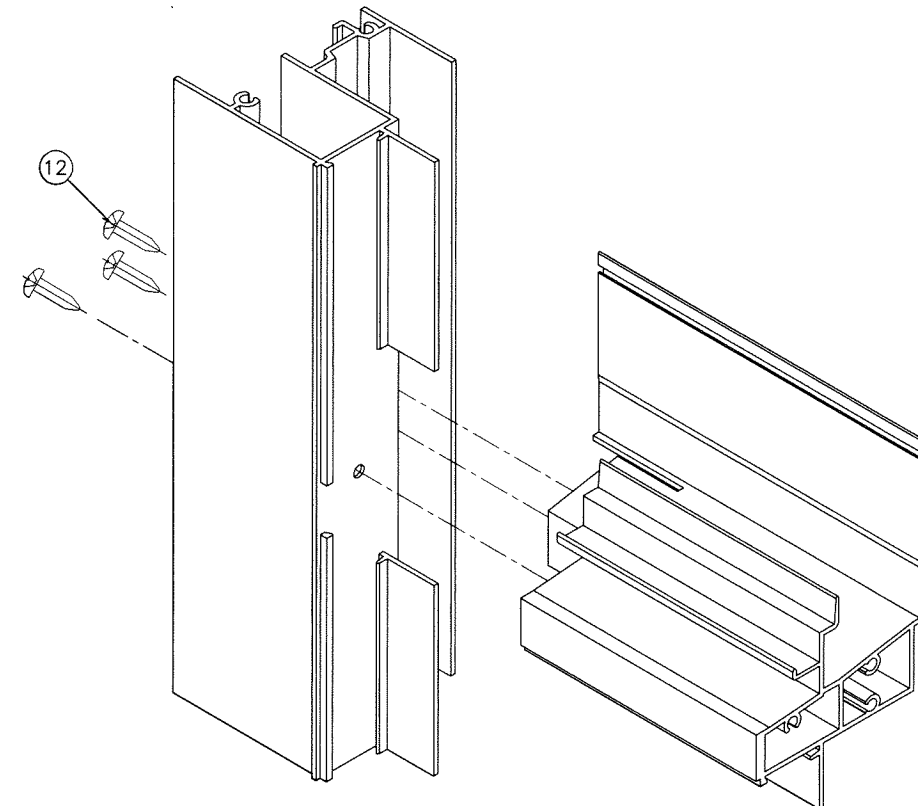
VENT TOP & BOTTOM CORNER



FRAME TOP & BOTTOM CORNERS



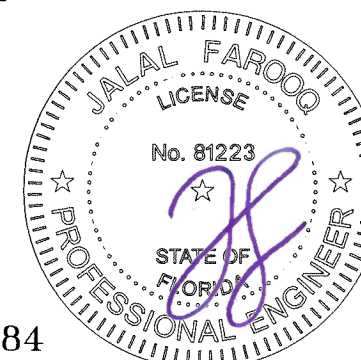
FLUSH FRAME ADAPTER CORNERS



INTERMEDIATE SILL CORNER

Sealed: 7/29/2025

FL #46884



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

a f c

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SERIES-1100WW ALUM SINGLE HUNG WINDOW (S.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

Revisions:	
no	date by description

date: 06-18-24

scale: 1/2" = 1"

dr. by: TARIQ

chk. by:

drawing no.

24-38F

sheet 12 of 12