

700-08 MULLION TO BE USED WITH
SERIES 700 ALUMINUM FIXED WINDOW
SERIES 700 ALUMINUM CASEMENT WINDOW
SERIES 700 ALUMINUM AWNING WINDOW
OR ANY COMBINATIONS OF ABOVE IN SIDE BY SIDE
JOINING OR TOP AND BOTTOM JOINING.
FOR WINDOWS IMPACT AND LOAD RATINGS
SEE CORRESPONDING APPROVALS.
LOWER DESIGN PRESSURE FROM WINDOW APPROVALS
OR MULLION CHARTS WILL APPLY TO ENTIRE SYSTEM.
MULLION MAY BE USED FOR JOINING TWO OR MORE
WINDOWS TOGETHER.

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.

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

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.

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

THESE MULLIONS ARE RATED FOR LARGE & SMALL MISSILE IMPACT

INDEX OF DRAWING	
SHEET NO.	DESCRIPTION
1	GENERAL NOTES, INSTRUCTIONS AND INDEX OF DRAWINGS
2 & 3	VERTICAL MULLION COMBINATIONS
4 & 5	HORIZONTAL MULLION COMBINATIONS
6	VERTICAL & HORIZONTAL MULLION CAPACITY CHARTS
7 & 8	MULLION ANCHORING DETAIL
9	MULLION AND WINDOW FRAME EXTRUSIONS

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN LOAD REQUIRED PER ASCE 7 FOR PARTICULAR OPENING.
- STEP 2** USE CONNECTION OF WINDOWS TO MULLION AS PER PRODUCT APPROVAL.
- USING CHARTS ON SHEET 6 SELECT MULLION TYPE WITH DESIGN RATING MORE THAN THE DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 3**
- STEP 4** CAPACITY OF SELECTED EUROCRRAFT WINDOWS AND MULLION MUST EQUAL OR EXCEED REQUIRED LOADS.

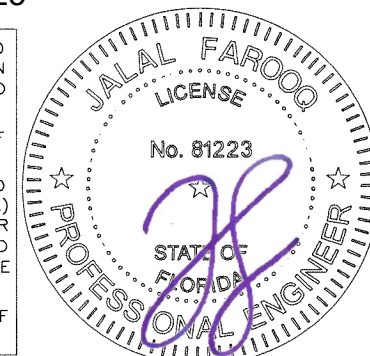
FL #47288

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.



Eurocraft Industries Inc.

9251 N.W. 112th Avenue

Medley, FL. 33178

Phone: (305) 713-1871 www.eurocraft-usa.com

AL-FAROOQ CORPORATION

ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220

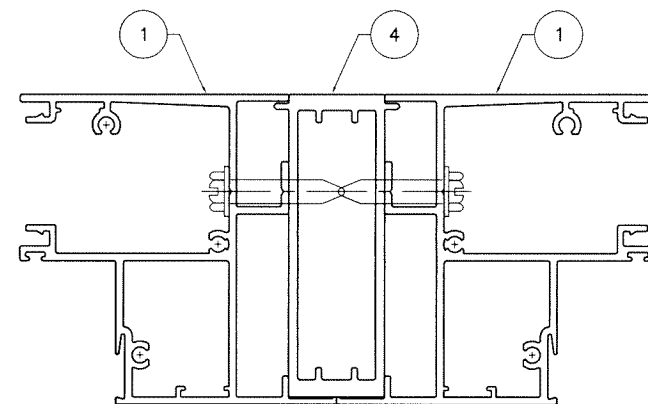
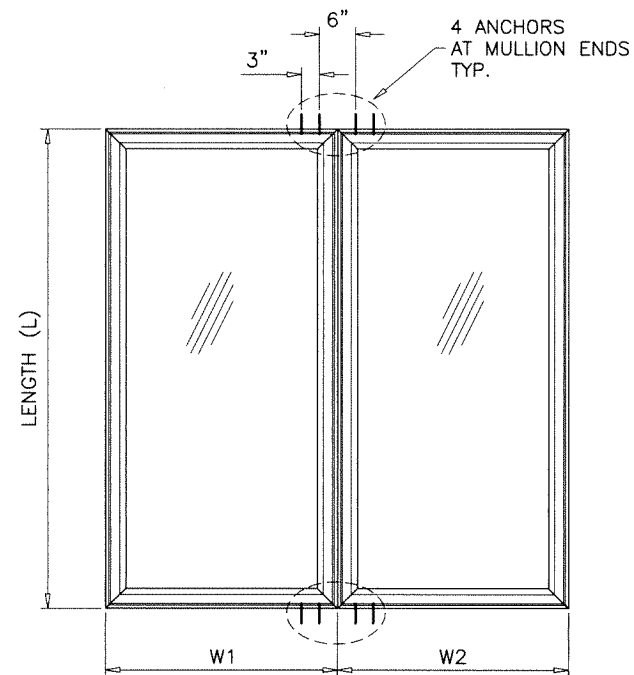
5300 SUNSET DRIVE, 30
MIAMI, FLORIDA 33173

MIAMI, FLORIDA 33136
TEL. (305) 264-8100

FBPE #3538

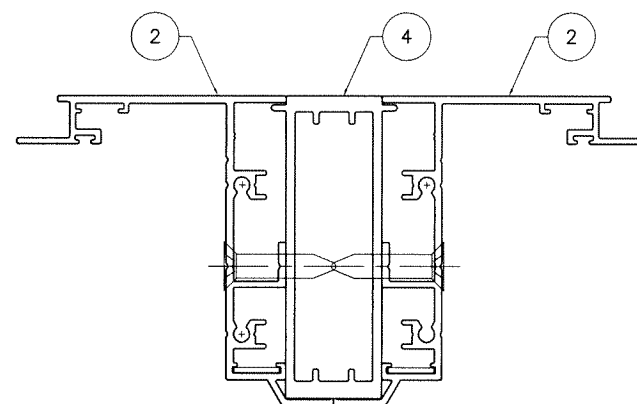
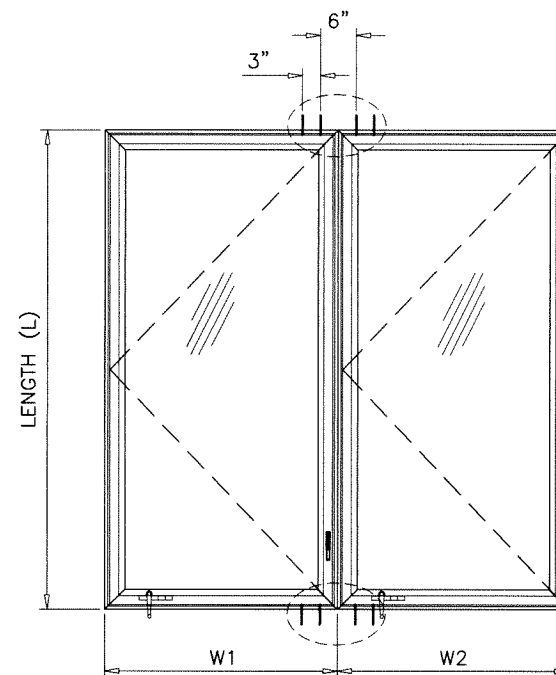
MULLION\25-12F-EII

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dr. by:	TARIQ		
chk. by:			
drawing no.			
25-12F			
sheet 1 of 9			



FIXED TO FIXED

TOTAL PRPERTIES
 $I_x = 4.353 \text{ IN}^4$
 $S_x = 2.624 \text{ IN}^3$

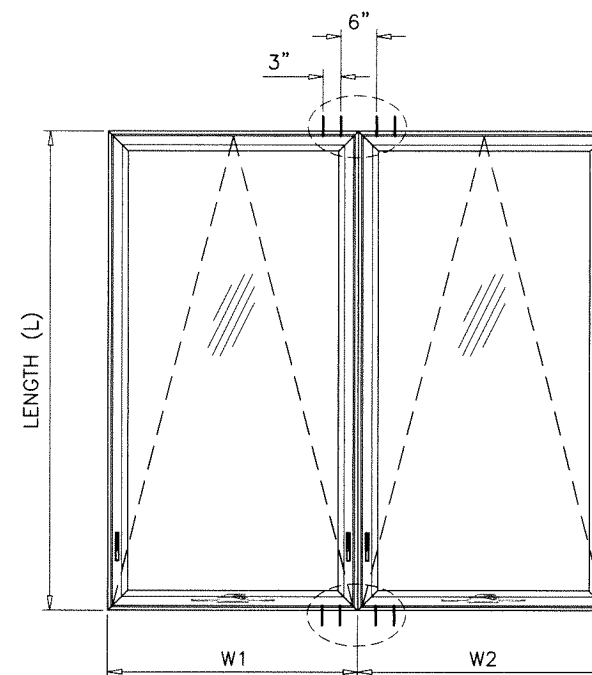


CASMT. TO CASMT. AWNING TO AWNING

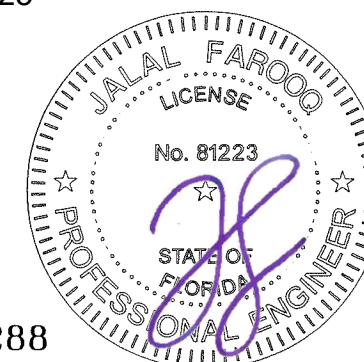
TOTAL PRPERTIES
 $I_x = 3.095 \text{ IN}^4$
 $S_x = 1.724 \text{ IN}^3$

TYPICAL ELEVATION
 SIDE BY SIDE WINDOWS
 SIDE BY SIDE APPLIES TO TWO OR MORE WINDOWS

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



Sealed: 2/5/2025



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af c
 MULLION 25-12F-EII

700-08 EXTRUDED ALUM UNCLIPPED MULLION

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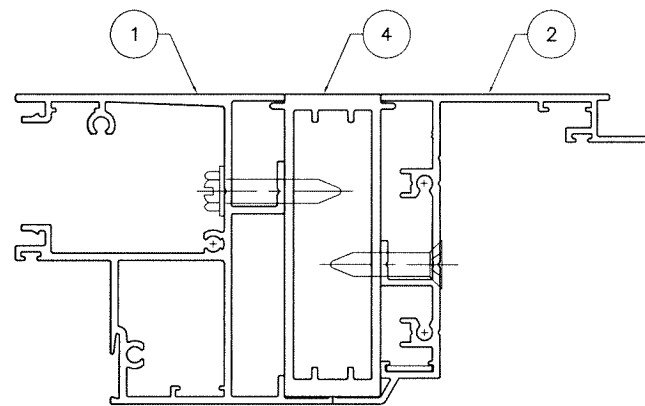
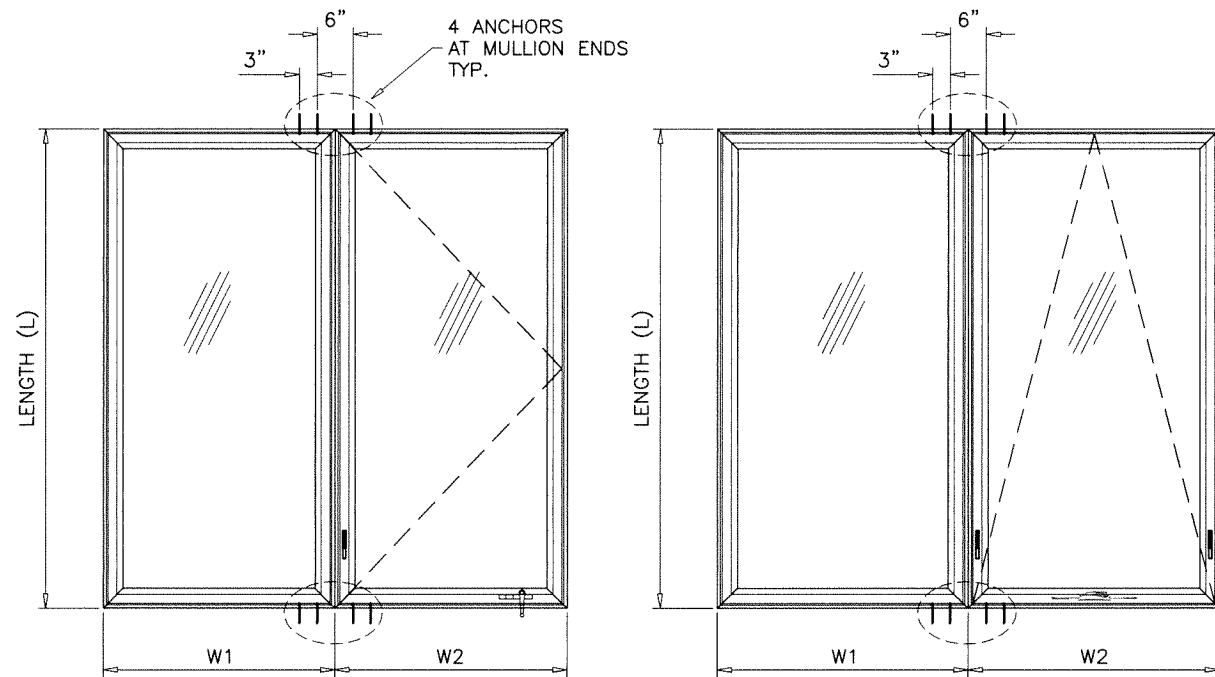
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sheet 2 of 9



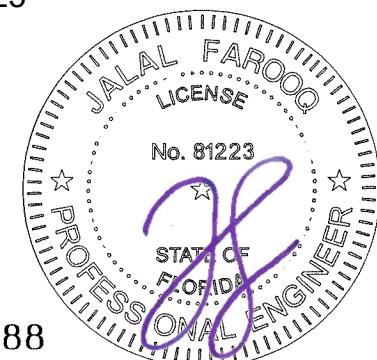
FIXED TO CASEMENT FIXED TO AWNING

TOTAL PROPERTIES
 $I_x = 3.724 \text{ IN}^4$
 $S_x = 2.174 \text{ IN}^3$

TYPICAL ELEVATION
 SIDE BY SIDE WINDOWS
 SIDE BY SIDE APPLIES TO TWO OR MORE WINDOWS

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

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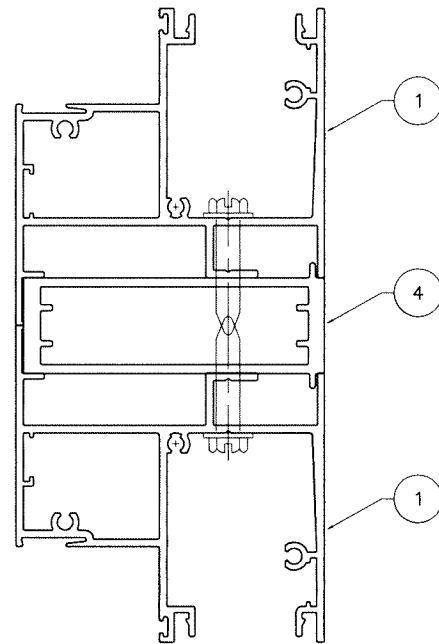
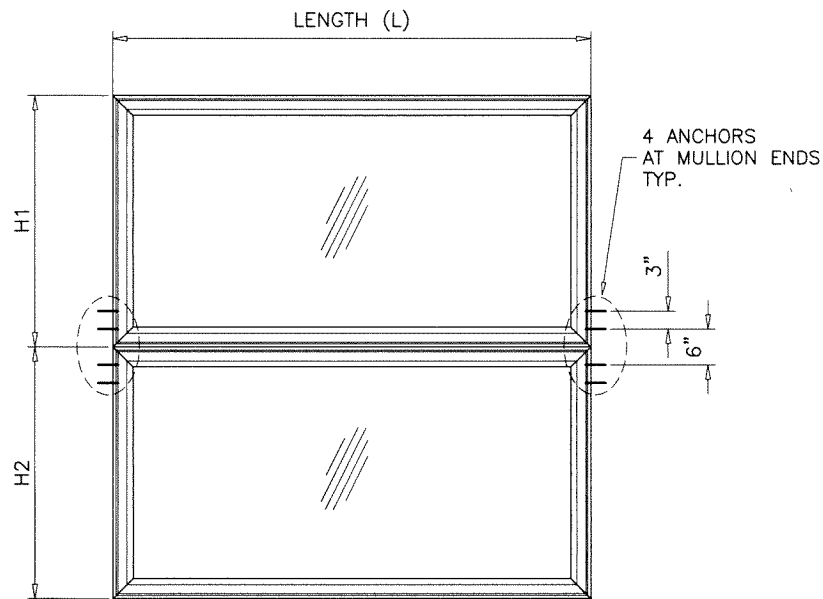
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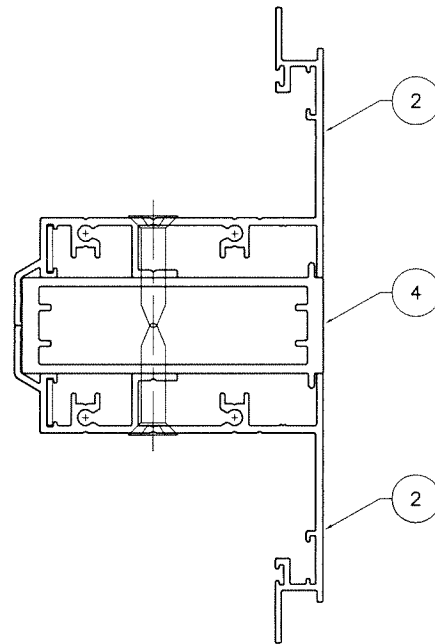
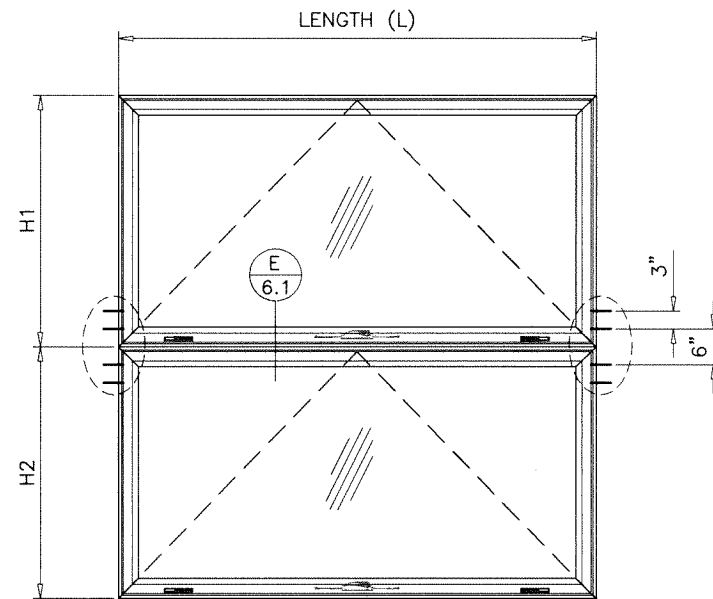
sheet 3 of 9

25-12F



FIXED OVER FIXED

TOTAL PRPERTIES
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 $S_x = 2.624 \text{ IN}^3$



AWNING OVER AWNING

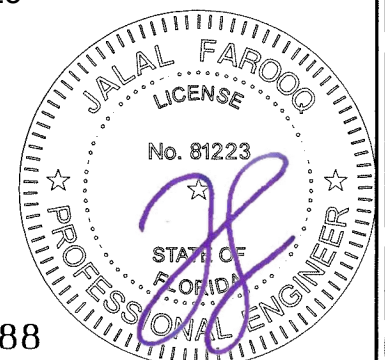
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TYPICAL ELEVATION
 TOP AND BOTTOM WINDOWS
 TOP AND BOTTOM APPLIES TO TWO OR MORE WINDOWS

$$\text{HEIGHT (H)} = \frac{H1 + H2}{2}$$

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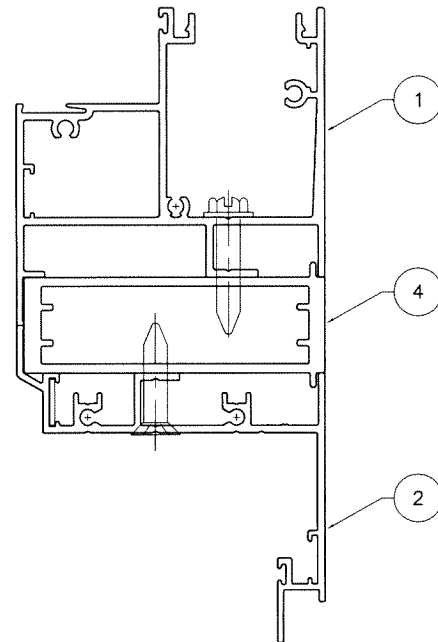
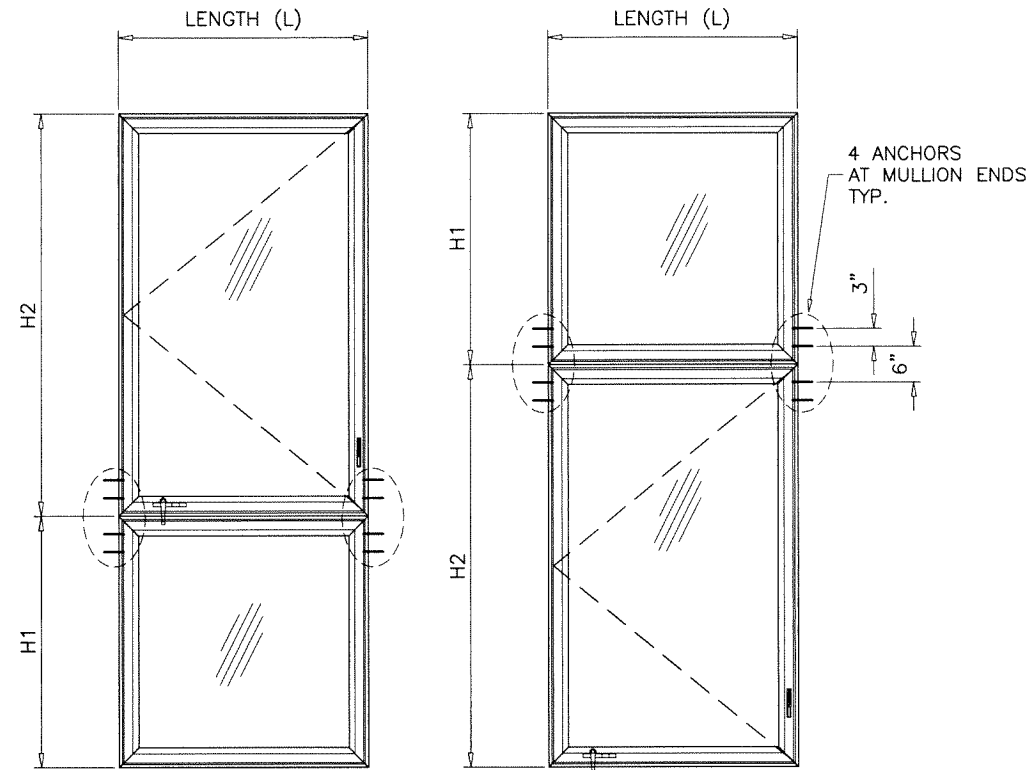
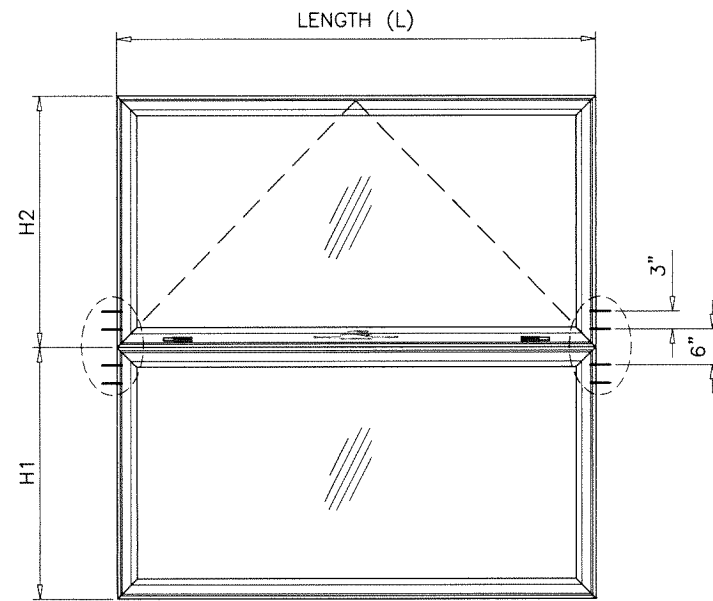
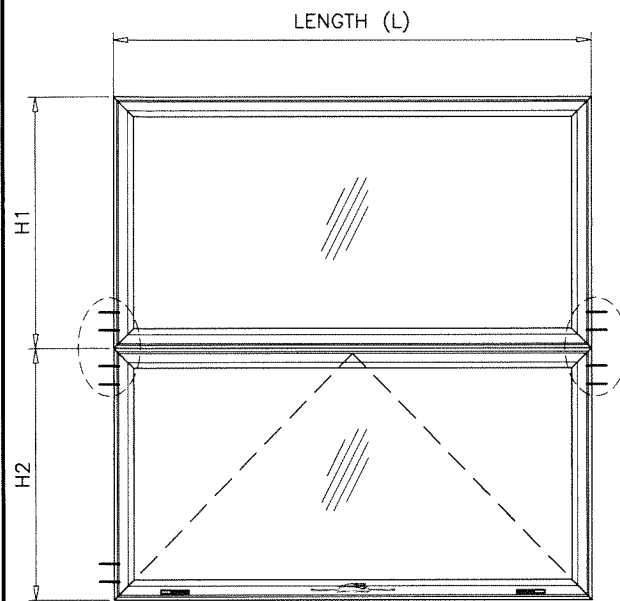
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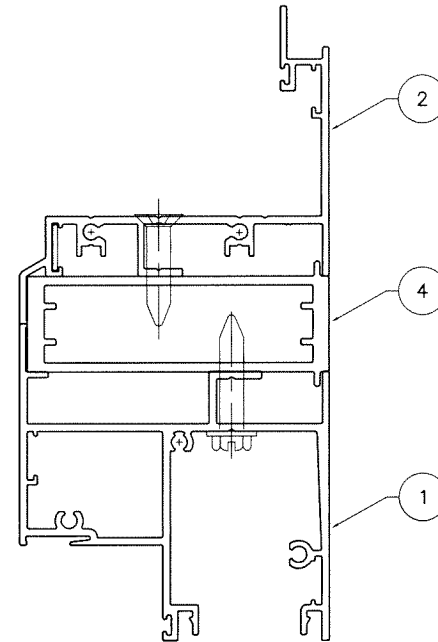
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25-12F
 sheet 4 of 9



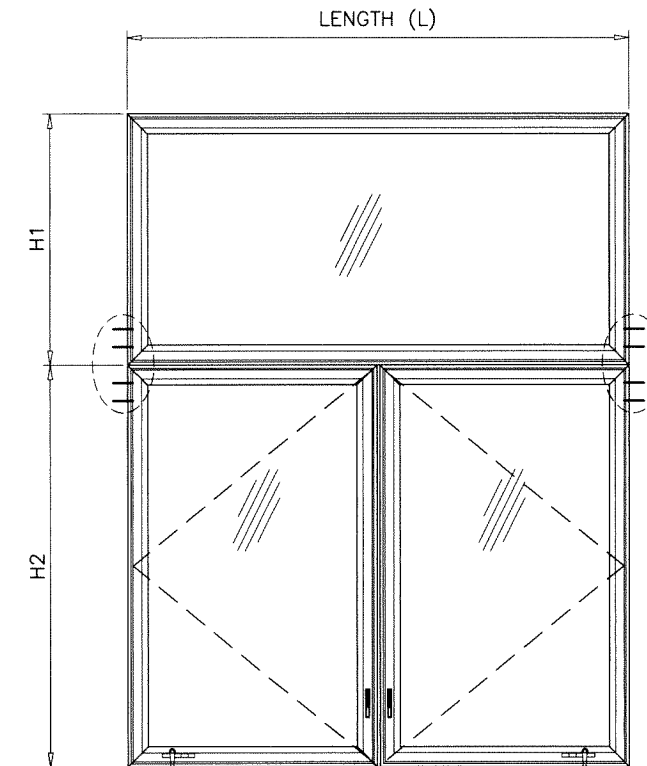
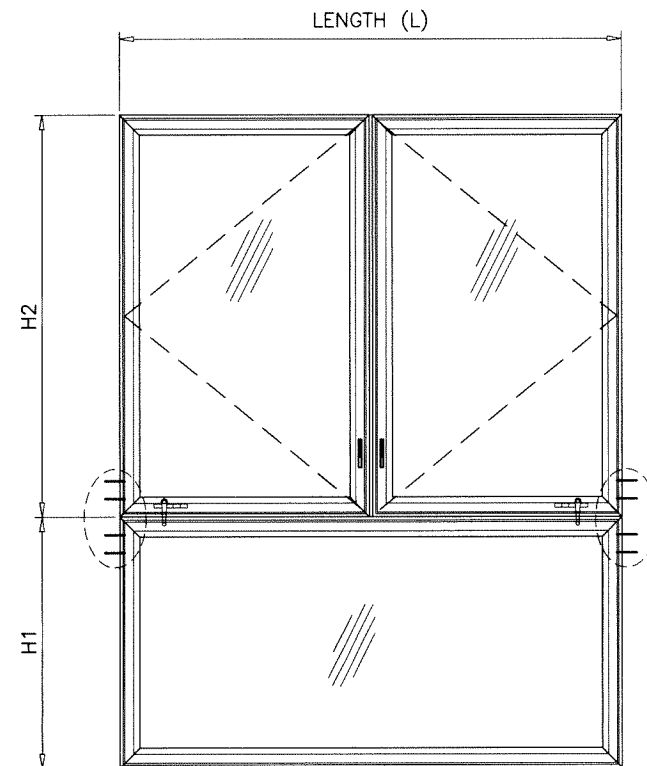
**FIXED OVER AWNING
FIXED OVER CASEMENT**

TOTAL PRPERTIES
Ix = 3.724 IN⁴
Sx = 2.174 IN³

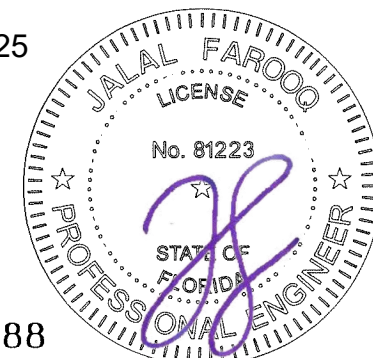


**AWNING OVER FIXED
CASEMENT OVER FIXED**

TOTAL PRPERTIES
Ix = 3.724 IN⁴
Sx = 2.174 IN³



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TYPICAL ELEVATION
TOP AND BOTTOM WINDOWS
TOP AND BOTTOM APPLIES TO TWO OR MORE WINDOWS

$$\text{HEIGHT (H)} = \frac{H1 + H2}{2}$$

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25-12F

sheet 5 of 9

VERTICAL MULLION DESIGN LOAD CAPACITY - PSF			
FRAME DIMS.		700-08 MULL	
WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)
19-1/8"	26"	100.0	120.0
26-1/2"		100.0	120.0
37"		100.0	120.0
53-1/8"		100.0	120.0
19-1/8"	38-3/8"	100.0	120.0
26-1/2"		100.0	120.0
37"		100.0	120.0
53-1/8"		100.0	120.0
19-1/8"	50-5/8"	100.0	120.0
26-1/2"		100.0	120.0
37"		100.0	120.0
53-1/8"		80.0	80.0
19-1/8"	56"	100.0	120.0
26-1/2"		100.0	120.0
37"		100.0	120.0
53-1/8"		80.0	80.0
19-1/8"	63"	100.0	120.0
26-1/2"		100.0	120.0
37"		100.0	120.0
53-1/8"		80.0	80.0
19-1/8"	74"	80.0	80.0
26-1/2"		80.0	80.0
37"		80.0	80.0

VERTICAL MULLION DESIGN LOAD CAPACITY - PSF			
FRAME DIMS.		700-08 MULL	
WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)
24"	24"	100.0	120.0
30"		100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"		100.0	120.0
66"		100.0	120.0
72"		100.0	120.0
80"		100.0	120.0
24"	36"	100.0	120.0
30"		100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"		100.0	120.0
66"		100.0	120.0
72"		80.0	80.0
80"		80.0	80.0
24"	48"	100.0	120.0
30"		100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		80.0	80.0
60"		80.0	80.0
66"		80.0	80.0
72"		80.0	80.0
24"	54"	100.0	120.0
30"		100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		80.0	80.0
54"		80.0	80.0
60"		80.0	80.0
66"		80.0	80.0
24"	60"	100.0	120.0
30"		100.0	120.0
36"		100.0	120.0
42"		80.0	80.0
48"		80.0	80.0
54"		80.0	80.0
60"		80.0	80.0
66"		80.0	80.0
24"	66"	100.0	120.0
30"		100.0	120.0
36"		100.0	120.0
42"		80.0	80.0
48"		80.0	80.0
54"		80.0	80.0
60"		80.0	80.0
66"		80.0	80.0

VERTICAL MULLION DESIGN LOAD CAPACITY - PSF			
FRAME DIMS.		700-08 MULL	
WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)
24"	72"	80.0	80.0
30"		80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
48"		80.0	80.0
24"		80.0	80.0
30"	80"	80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
46-5/16"		80.0	80.0

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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 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)

1/4" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)
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)

CRITICAL EDGE DISTANCE

INTO CONCRETE AND BLOCKS = 2-1/2" 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.

HORIZONTAL MULLION DESIGN LOAD CAPACITY - PSF			
FRAME DIMS.		700-08 MULL	
HEIGHT (H)	LENGTH (L)	EXT.(+)	INT.(-)
26"	19-1/8"	100.0	120.0
38-3/8"		100.0	120.0
50-5/8"		100.0	120.0
63"		100.0	120.0
74"		100.0	120.0
26"		100.0	120.0
38-3/8"	26-1/2"	100.0	120.0
50-5/8"		100.0	120.0
63"		100.0	120.0
74"		100.0	120.0
26"	37"	100.0	120.0
38-3/8"		100.0	120.0
50-5/8"		100.0	120.0
63"		100.0	120.0
74"		80.0	80.0
26"	53-1/8"	100.0	120.0
38-3/8"		100.0	120.0
50-5/8"		80.0	80.0
63"		80.0	80.0

HORIZONTAL MULLION DESIGN LOAD CAPACITY - PSF			
FRAME DIMS.		700-08 MULL	
HEIGHT (H)	LENGTH (L)	EXT.(+)	INT.(-)
24"	24"	100.0	120.0
30"		100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"		100.0	120.0
66"		100.0	120.0
72"	36"	100.0	120.0
80"		100.0	120.0
24"		100.0	120.0
30"		100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"		100.0	120.0
54"		100.0	120.0
60"	48"	100.0	120.0
66"		100.0	120.0
72"		80.0	80.0
80"		80.0	80.0
24"		100.0	120.0
30"		100.0	120.0
36"		100.0	120.0
42"		100.0	120.0
48"	54"	100.0	120.0
54"		80.0	80.0
60"		80.0	80.0
66"		80.0	80.0
72"		80.0	80.0
24"		100.0	120.0
30"		100.0	120.0
36"		100.0	120.0
42"	60"	80.0	80.0
48"		80.0	80.0
54"		80.0	80.0
60"		80.0	80.0
24"		100.0	120.0
30"		100.0	120.0
36"		100.0	120.0
42"	66"	80.0	80.0
48"		80.0	80.0
54"		80.0	80.0
60"		80.0	80.0
24"		100.0	120.0
30"		100.0	120.0
36"		100.0	120.0
42"		80.0	80.0
48"	80"	80.0	80.0
54"		80.0	80.0

HORIZONTAL MULLION DESIGN LOAD CAPACITY - PSF			
FRAME DIMS.		700-08 MULL	
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30"		80.0	80.0
36"		80.0	80.0
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48"		80.0	80.0
24"	80"	80.0	80.0
30"		80.0	80.0
36"		80.0	80.0
42"		80.0	80.0
46-5/16"	80"	80.0	80.0
		80.0	80.0



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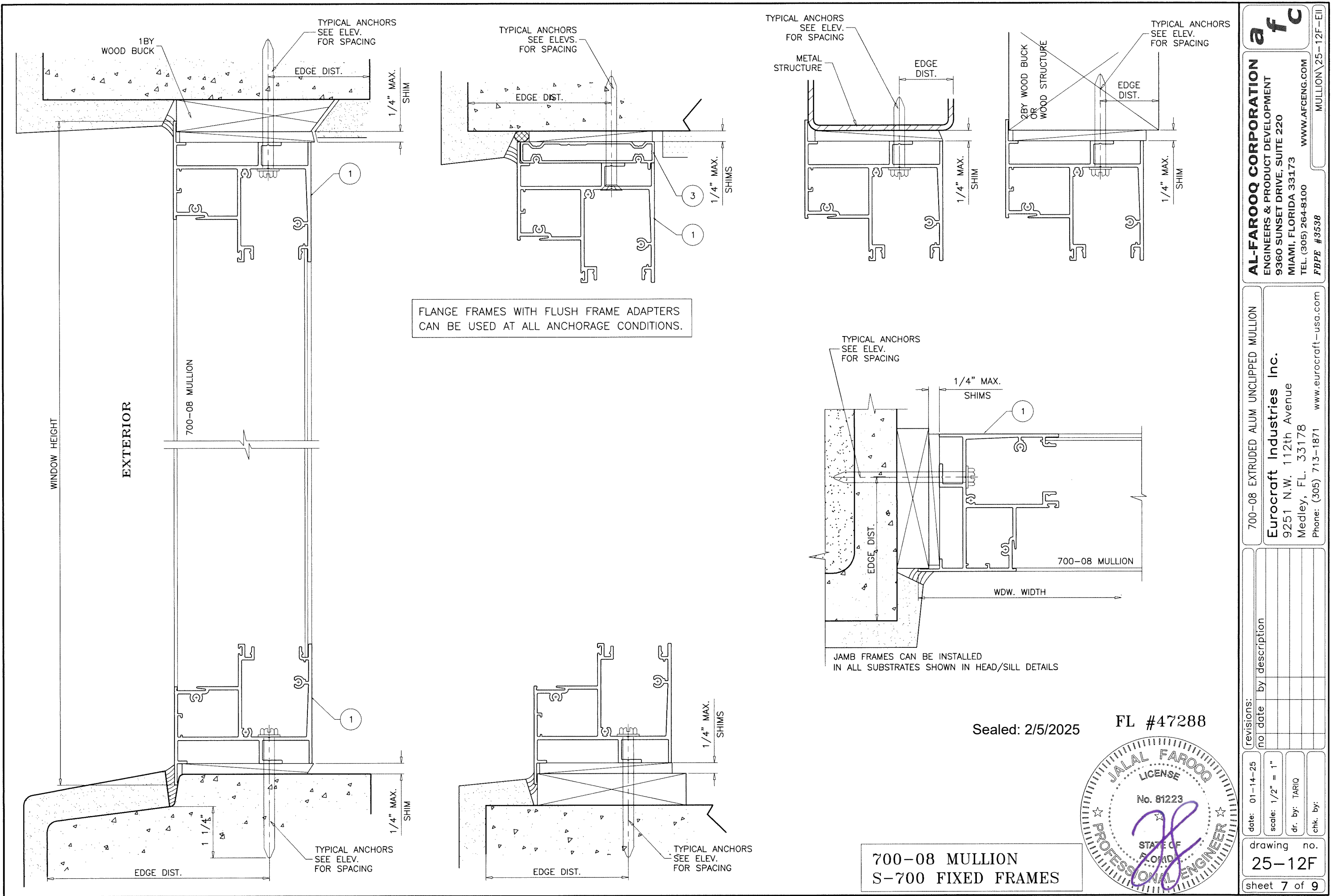
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MIAMI, FLORIDA 33173
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WWW.AFCENG.COM
FBPE #3538
MULLION 25-12F-EII

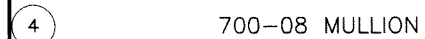
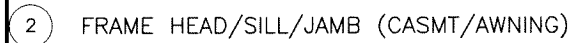
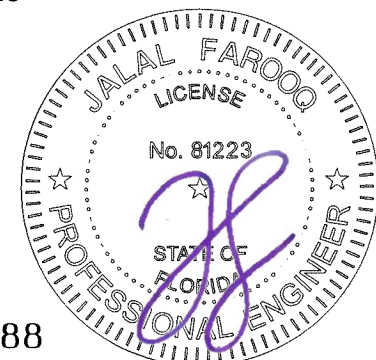
700-08 EXTRUDED ALUM UNCLIPPED MULLION
Eurocraft Industries Inc.
9251 N.W. 112th Avenue
Medley, FL. 33178
Phone: (305) 713-1871
www.eurocraft-usa.com

revisions:		no		date		by		description	
01-14-25									
scale:	1/2" = 1"								
dr. by:	TARIQ								
chk. by:									
drawing no.		25-12F		sheet 7 of 9					

Sealed: 2/5/2025 FL #47288



700-08 MULLION
S-700 FIXED FRAMES

Sealed: 2/5/2025

FL #47288

date: 01-14-25		revisions:	
scale: 1/2" = 1"		no date by description	
dr. by: TARIQ			
chk. by:			
drawing no. 25-12F			
sheet 9 of 9			