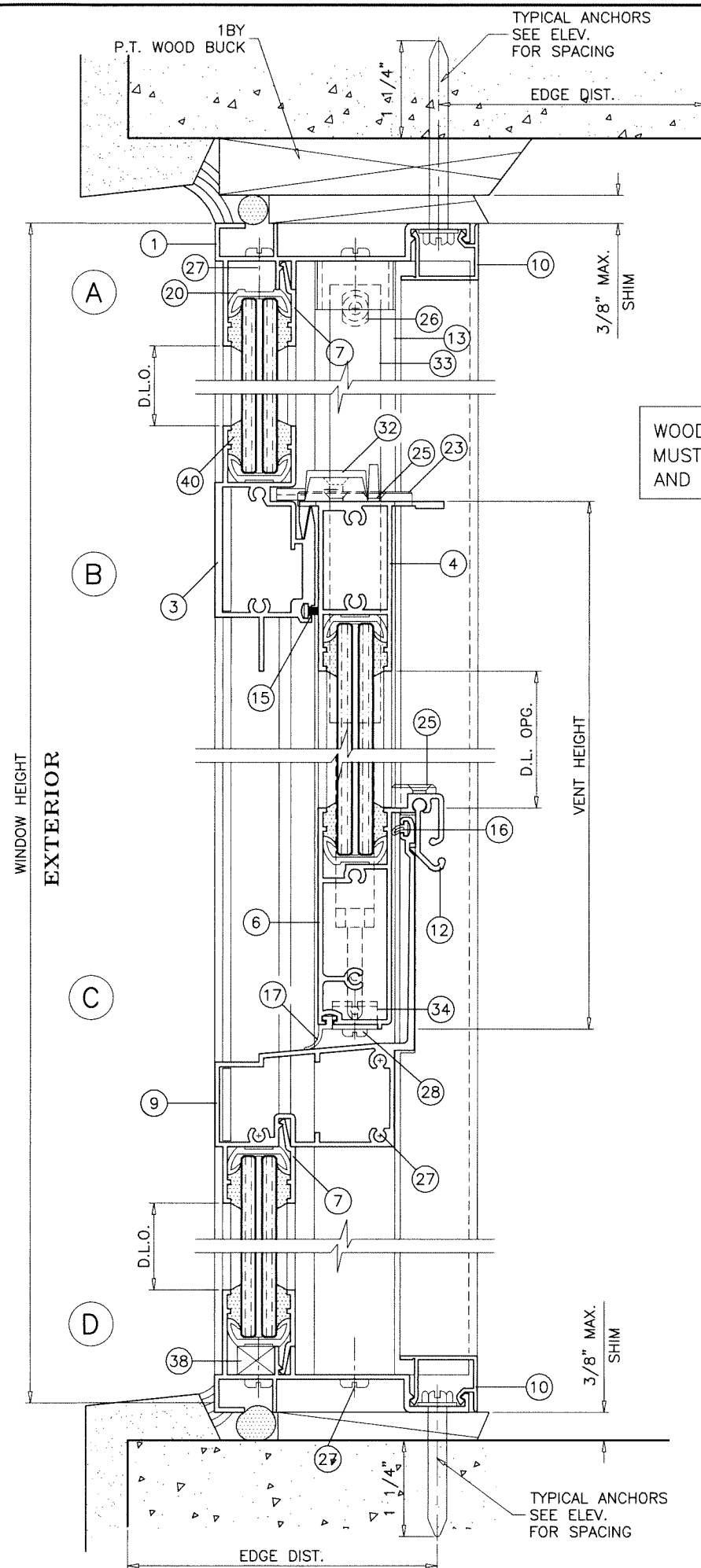
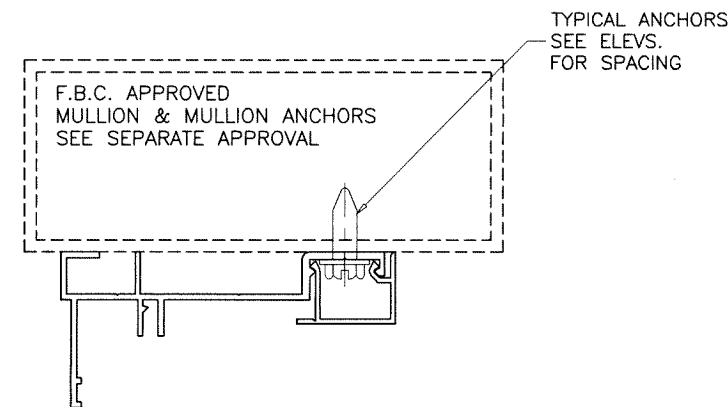
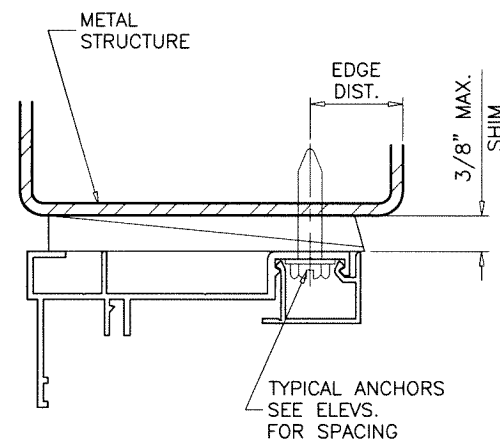
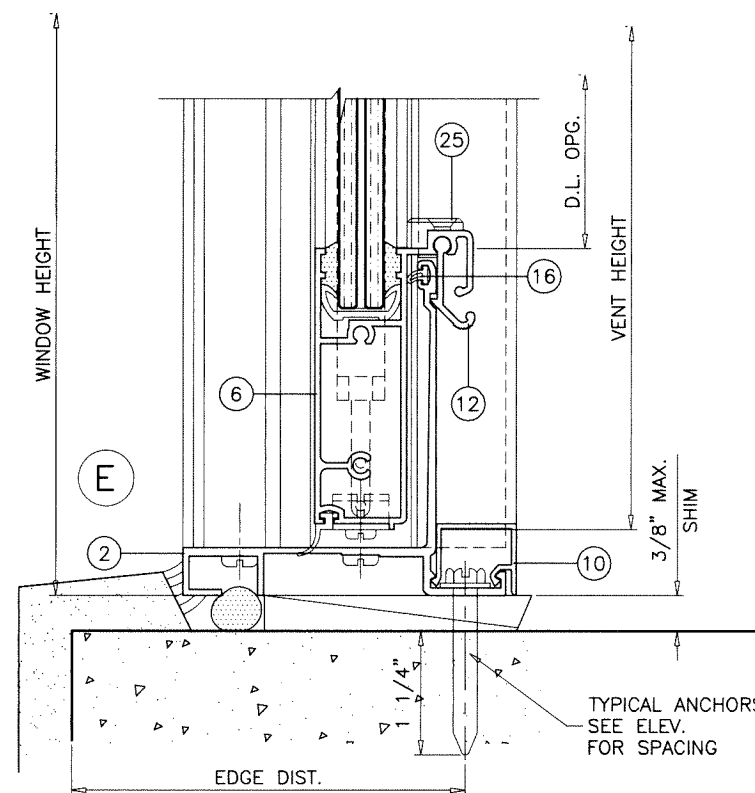




WOOD BUCKS AND METAL STRUCTURE NOT BY 'TECNOGLASS' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - 1/4" DIA. KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 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)

TYPE 'B' - 1/4" DIA. KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-3/4" MIN. EMBED INTO GROUT-FILLED BLOCKS (JAMBS)

TYPE 'C' - 1/4" DIA. KWIK-FLEX SELF DRILLING SCREWS BY 'HILTI' (Fu=120 KSI, Fy=92 KSI)
 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)

CRITICAL EDGE DISTANCE

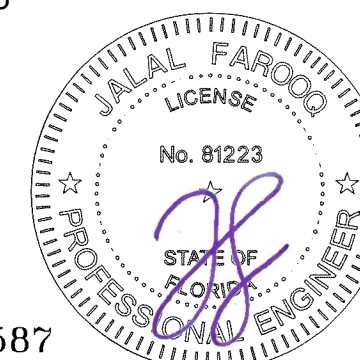
INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

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 = 1500 PSI MIN.

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH DOWSIL 795 SEALANT.

Sealed: 7/21/2025



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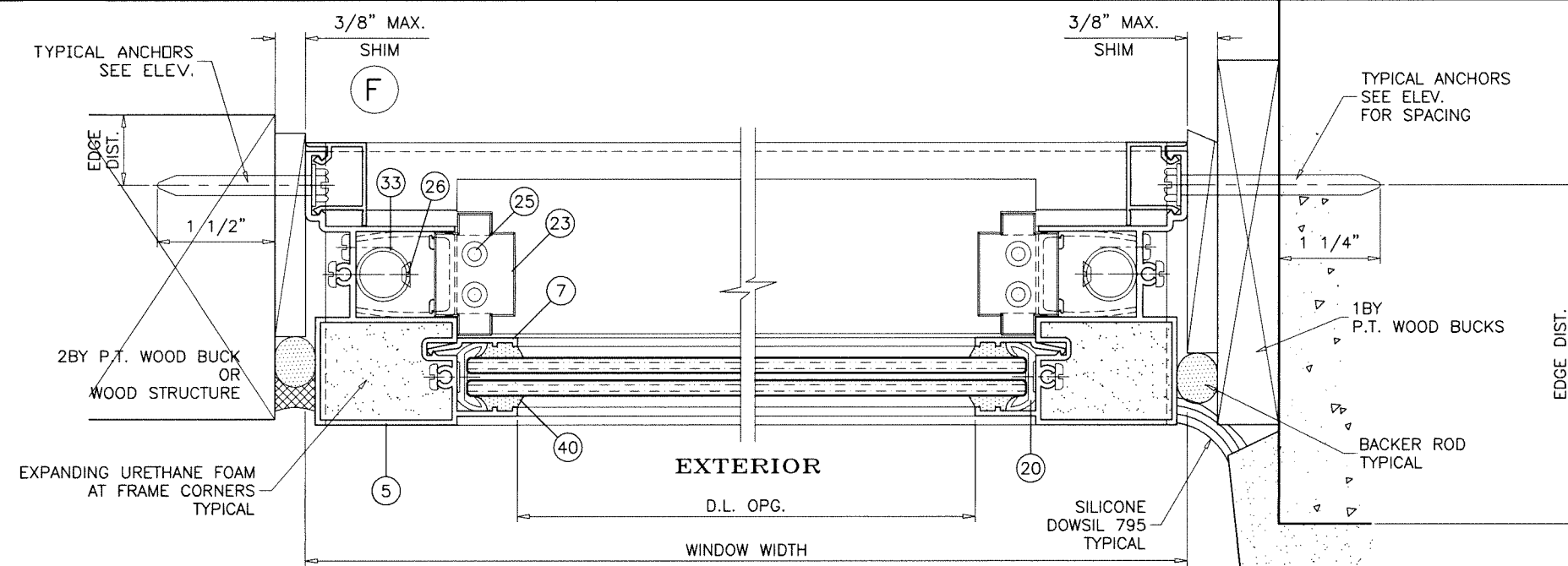
SERIES 500Y ALUM SINGLE HUNG WINDOW (L.M.I.)
TECNOGLASS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL. 33142
 TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

no	date	by description

date: 07-18-25
 scale: 1/2" = 1"
 dr. by: TARIQ
 chk. by:

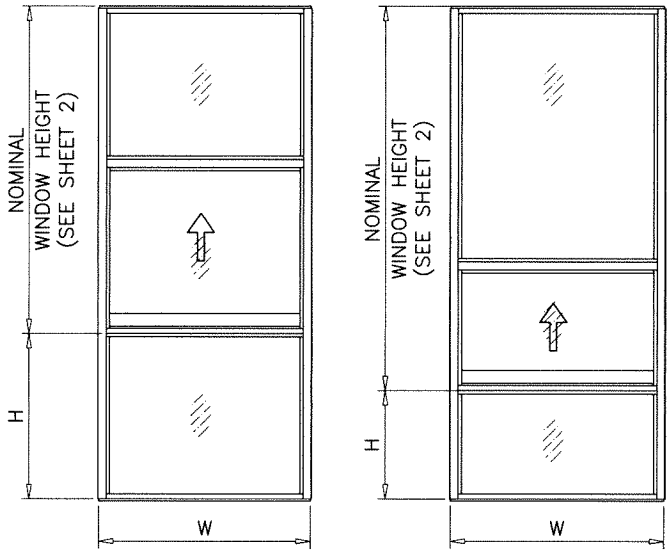
drawing no.
25-71F
 sheet 3 of 8



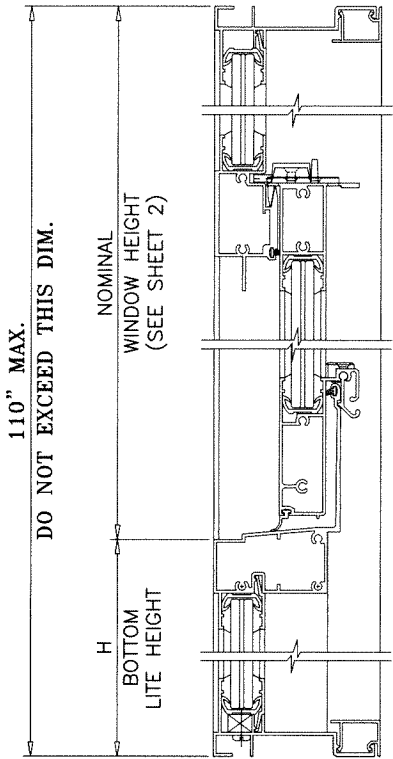
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FL #46587

WINDOWALL BOTTOM LITE CAPACITY			
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPE 'A' & 'B'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
24"	38-3/8"	100.0	130.0
30"		100.0	130.0
36"		100.0	130.0
42"		100.0	130.0
48"		100.0	130.0
24"	42"	100.0	130.0
30"		100.0	130.0
36"		100.0	130.0
42"		91.5	119.0
24"	48"	100.0	130.0
30"		100.0	130.0
36"		100.0	130.0
36"		100.0	130.0



SINGLE HUNG OVER
FIXED WINDOWS



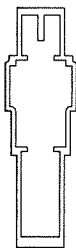
REFER TO SHEET 2 TO OBTAIN CAPACITY OF WINDOW
PORTION FOR CONFIGURATION/GLASS USED.

REFER TO CHART ABOVE TO OBTAIN CAPACITY OF
BOTTOM LITE OF WINDOWALL.

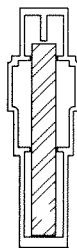
REFER TO CHARTS AT RIGHT OF THIS PAGE TO OBTAIN
MULLION CAPACITY.

USE LOWEST VALUES OF OPTIONS CONSULTED.

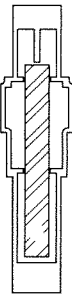
MULLION CAPACITY CHART - PSF			
WINDOW DIMS.		STD. MULLION UNREINFORCED	
WIDTH (W)	MULL SPAN	EXT.(+)	INT.(-)
36"	48"	100.0	130.0
42"		100.0	130.0
48"		100.0	130.0
54"		100.0	130.0
60"		100.0	130.0
66"		100.0	130.0
72"		100.0	130.0
36"	54"	100.0	130.0
42"		100.0	130.0
48"		100.0	130.0
54"		100.0	130.0
60"		100.0	130.0
36"	60"	100.0	130.0
42"		100.0	130.0
48"		100.0	130.0
54"		100.0	130.0
36"	66"	100.0	130.0
42"		100.0	130.0
48"		100.0	130.0
36"	72"	100.0	130.0
42"		100.0	130.0
48"		100.0	130.0



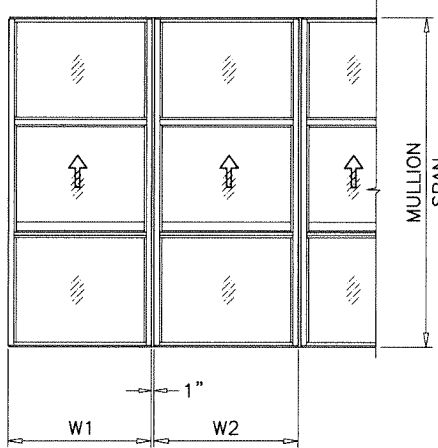
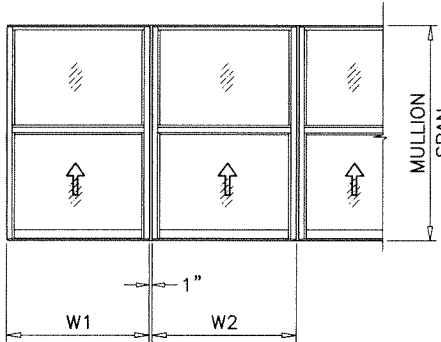
STD. MULLION
UNREINFORCED



STD. MULLION
REINFORCED



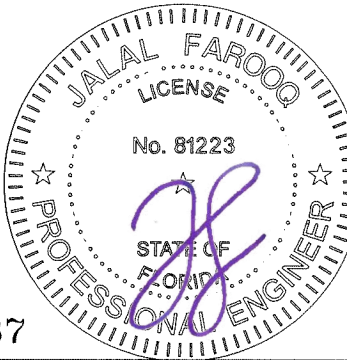
H.D. MULLION
REINFORCED



$$\text{WIDTH (W)} = \frac{W1 + W2}{2} + 3/4"$$

MULLION CAPACITY CHART - PSF					
WINDOW DIMS.		STD. MULLION REINFORCED		H.D. MULLION REINFORCED	
WIDTH (W)	MULL SPAN	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36"	66"	100.0	130.0	100.0	130.0
42"		100.0	130.0	100.0	130.0
48"		100.0	130.0	100.0	130.0
54"		100.0	130.0	100.0	130.0
60"		100.0	130.0	100.0	130.0
66"		100.0	130.0	100.0	130.0
72"		100.0	130.0	100.0	130.0
36"	72"	100.0	130.0	100.0	130.0
42"		100.0	130.0	100.0	130.0
48"		100.0	130.0	100.0	130.0
54"		100.0	130.0	100.0	130.0
60"		100.0	130.0	100.0	130.0
66"		100.0	130.0	100.0	130.0
72"		100.0	130.0	100.0	130.0
36"	78"	100.0	130.0	100.0	130.0
42"		100.0	130.0	100.0	130.0
48"		100.0	130.0	100.0	130.0
54"		100.0	130.0	100.0	130.0
60"		100.0	130.0	100.0	130.0
66"		100.0	130.0	100.0	130.0
72"		100.0	130.0	100.0	130.0
36"	84"	100.0	130.0	100.0	130.0
42"		100.0	130.0	100.0	130.0
48"		100.0	130.0	100.0	130.0
54"		100.0	130.0	100.0	130.0
60"		100.0	130.0	100.0	130.0
66"		100.0	130.0	100.0	130.0
72"		100.0	130.0	100.0	130.0
36"	90"	100.0	130.0	100.0	130.0
42"		100.0	130.0	100.0	130.0
48"		100.0	130.0	100.0	130.0
54"		100.0	130.0	100.0	130.0
60"		100.0	130.0	100.0	130.0
66"		100.0	130.0	100.0	130.0
72"		100.0	130.0	100.0	130.0
36"	96"	100.0	130.0	100.0	130.0
42"		100.0	130.0	100.0	130.0
48"		100.0	130.0	100.0	130.0
54"		100.0	116.6	100.0	130.0
60"		100.0	130.0	100.0	130.0
66"		100.0	130.0	100.0	130.0
72"		100.0	130.0	100.0	130.0
36"	108"	100.0	130.0	100.0	130.0
42"		100.0	118.4	100.0	130.0
48"		100.0	103.6	100.0	130.0
54"		100.0	130.0	100.0	130.0
60"		100.0	130.0	100.0	130.0
66"		100.0	130.0	100.0	130.0
72"		100.0	130.0	100.0	130.0
36"	110"	100.0	130.0	100.0	130.0
42"		100.0	114.1	100.0	130.0
48"		99.9	99.9	100.0	130.0

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SERIES 500Y ALUM SINGLE HUNG WINDOW (L.M.I.)

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revisions:

no	date	by	description

date: 07-18-25

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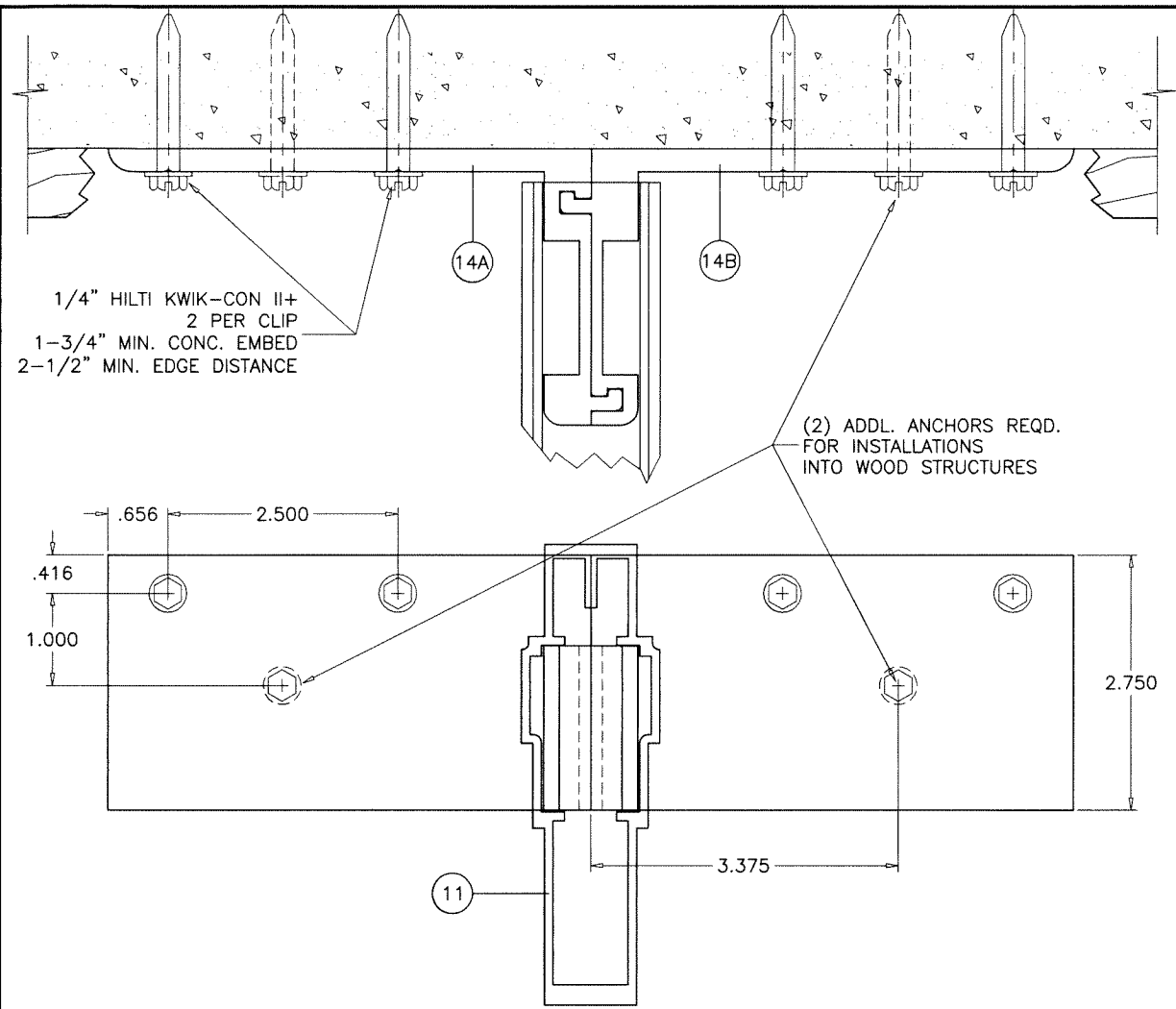
dr. by: TARIQ

chk. by:

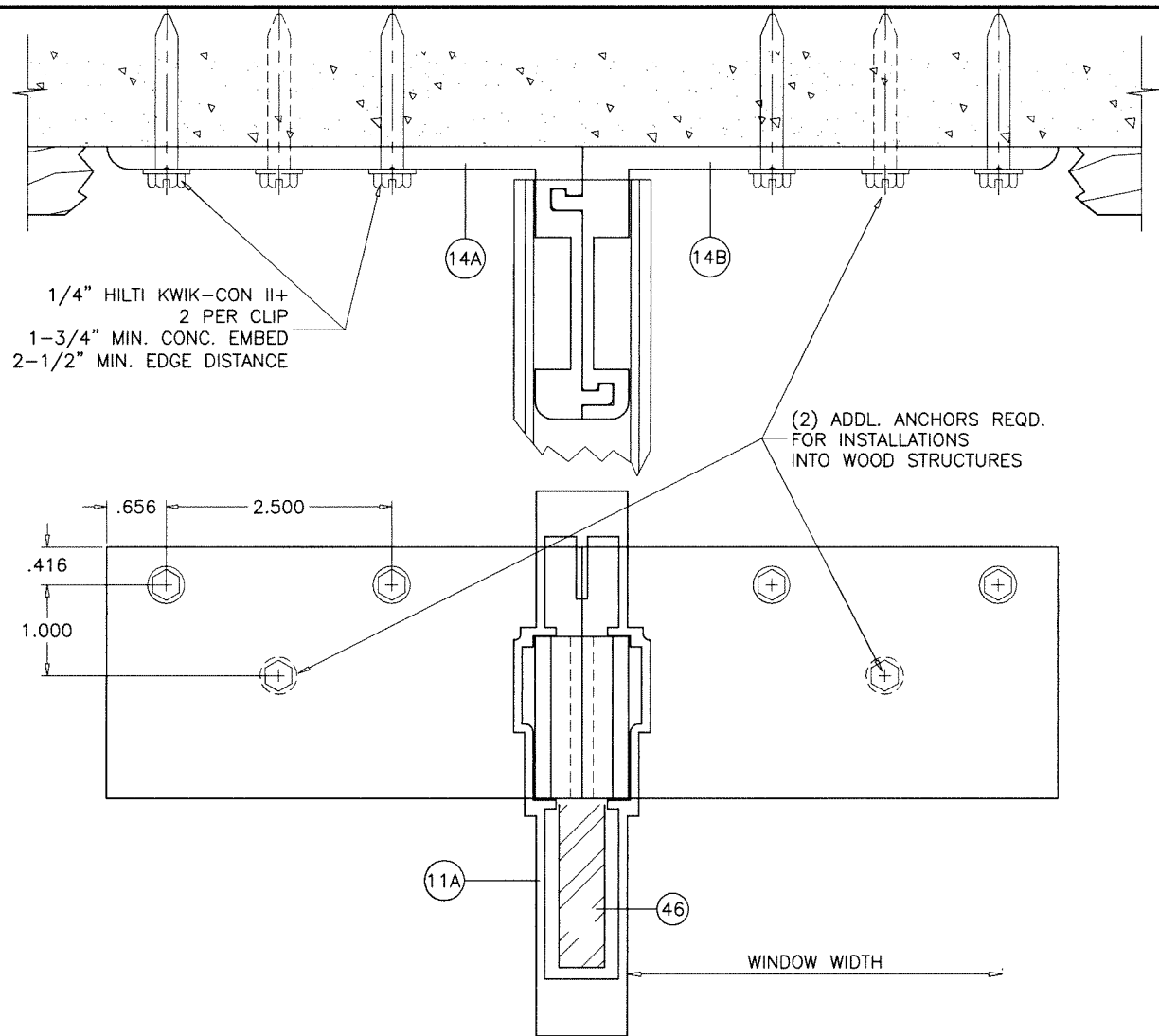
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25-71F

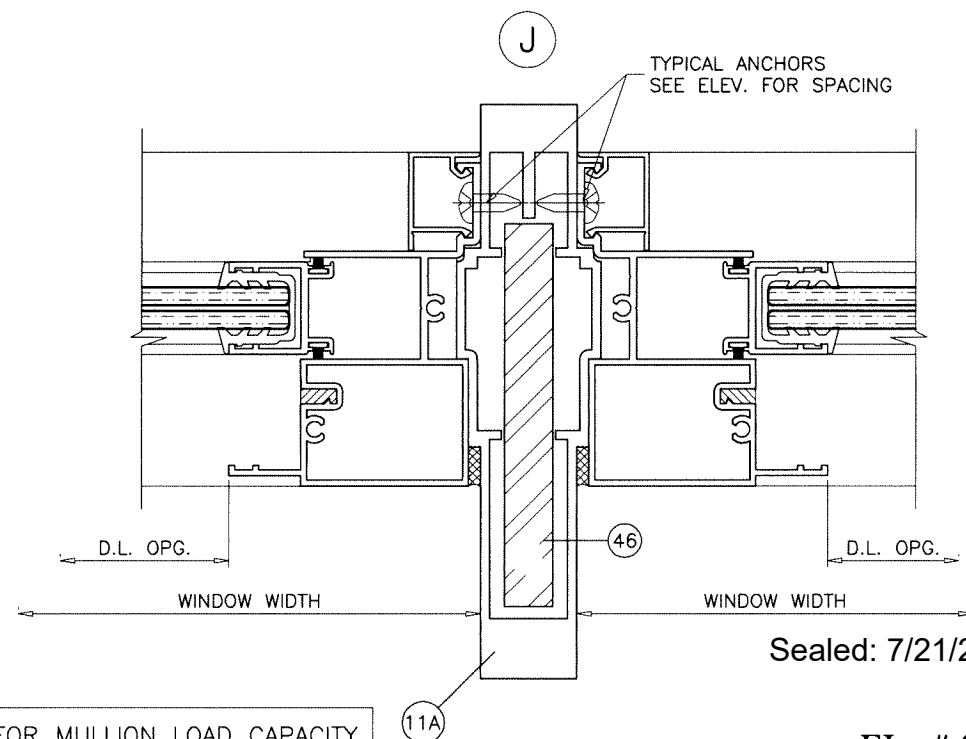
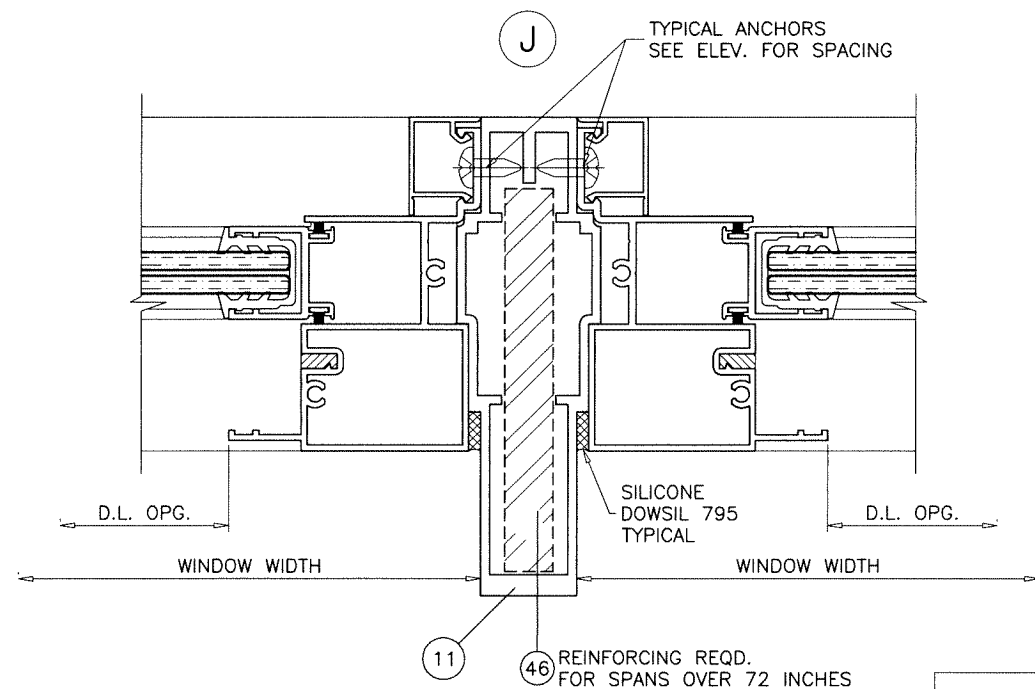
sheet 5 of 8



MULLION CONNECTION AT HEAD & SILL
OPTION 1



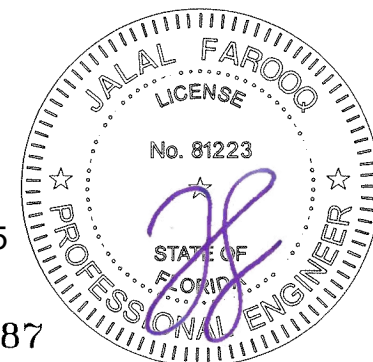
MULLION CONNECTION AT HEAD & SILL
OPTION 2



SEE CHARTS ON SHEET 5 FOR MULLION LOAD CAPACITY

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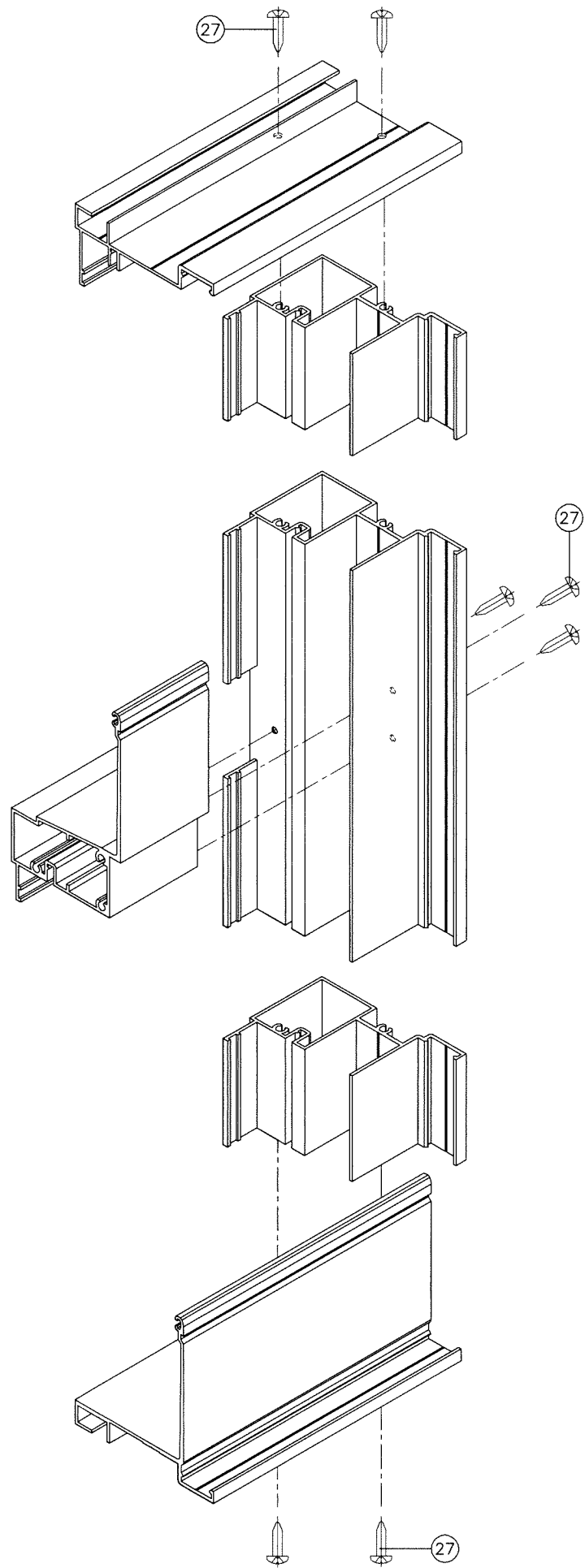
SERIES 500Y ALUM SINGLE HUNG WINDOW (L.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
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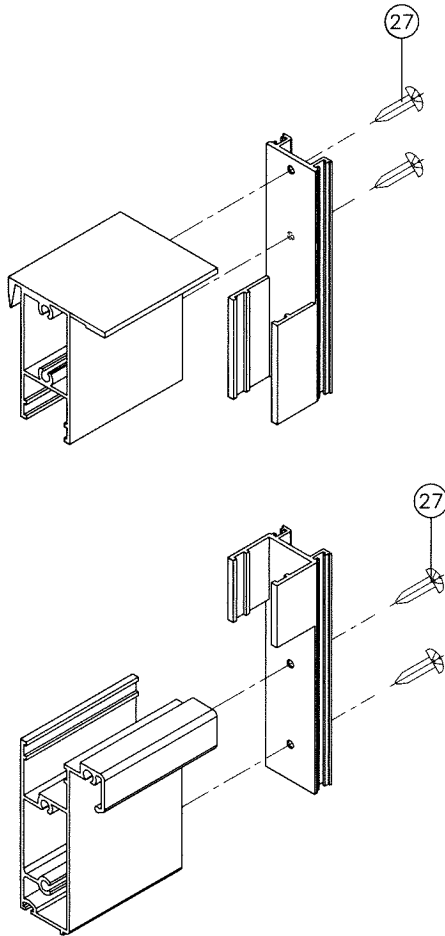
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no	date by description

date: 07-18-25
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dr. by: TARIQ
chk. by:

drawing no.
25-71F
sheet 6 of 8



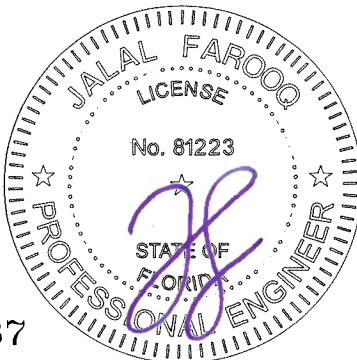
FRAME CORNERS DETAIL



VENT CORNER DETAIL

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	500Y-001	AS REQD.	HEAD & FIXED SILL	6063-T6	AT FRAME
2	500Y-002	AS REQD.	FRAME SILL	6063-T6	AT FRAME
3	500Y-003	1	MEETING RAIL	6005-T5	AT FRAME
4	500Y-004	1	VENT TOP	6005-T5	SASH VENT
5	500Y-005	2	JAMB	6063-T6	AT FRAME
6	500Y-006	1	VENT BOTTOM	6063-T6	SASH VENT
7	500Y-007	AS REQD.	GLAZING BEAD	6063-T6	AT FIXED GLASS
8	500Y-008	2	VENT SIDE	6063-T6	SASH VENT
9	500Y-009	AS REQD.	SILL MEETING RAIL	6005-T5	AT FRAME
10	500Y-010	AS REQD.	TRACK COVER (OPTIONAL)	6063-T6	AT FRAME
11	500Y-023	AS REQD.	STD. MULLION	6063-T6	AT FRAME
11A	500Y-029	AS REQD.	H.D. MULLION	6063-T6	AT FRAME
12	500Y-012	2/VENT	HANDICAP FINGER LOCK	6063-T6	SASH VENT
13	500Y-013	1	VENT STOP	6063-T6	AT TOP OF FRAME
14A	500Y-024	AS REQD.	FEMALE ANCHOR CLIP	6063-T6	TOP & BOTTOM OF MULL
14B	500Y-025	AS REQD.	MALE ANCHOR CLIP	6063-T6	TOP & BOTTOM OF MULL
15	W33261NK	AS REQD.	WEATHERSTRIPPING PILE	-	AT VENT SIDE MEETING RAIL
16	WV-3189	AS REQD.	WEATHERSTRIPPING GASKET	VINYL	SILL & SILL MEETING RAIL
17	V-048	AS REQD.	WEATHERSTRIPPING GASKET	NEOPRENE	BOTTOM OF SASH VENT
20	V-051	AS REQD.	MARINE GLAZED GASKET	TPE	MELTPPOINT, DUROMETER 75±5 SHORE A
23	P-012	2/ VENT	VENT TOP GUIDE PLASTIC M&M	NYLON	TOP OF SASH VENT
24	P-013	2/ VENT	VENT BOTTOM GUIDE PLASTIC M&M	NYLON	BOTTOM OF SASH VENT
25	-	AS REQD.	#8 X 3/8" LG. FH. SMS. ST/ST PHILLIPS	-	AT P-012, P-013 & PD-203
26	-	2	#8 X 1" LG. FH. SMS. ST/ST PHILLIPS	-	AT TOP OF BALANCE
27	-	AS REQD.	#10 X 1" LG. PH. SMS. ST/ST PHILLIPS	-	ASSEMBLY SCREWS
28	-	6	#10 X 3/4" LG. PH. SMS. ST/ST PHILLIPS	-	AT BALANCE CLIP
32	PD-203	2/ WDW	SASH LOCK	-	AT TOP OF SASH
33	-	2/ WDW	ULTRA-LIFT BALANCE #30	-	AT FRAME
34	-	2/ WDW	ULTRA-LIFT NON TILT BRACKET	-	-
38	-	-	3/8" X 1/2" X 4" LG.SETTING BLOCK3	NEOPRENE	-
40	DC-995	-	GLAZING COMPOUND	SILICONE	-
46	-	AS REQD.	1/2" X 4" X 104" LG. STEEL.	-	AT MULLION

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(C.A.N. 3538)

SERIES 500Y ALUM SINGLE HUNG WINDOW (L.M.I.)

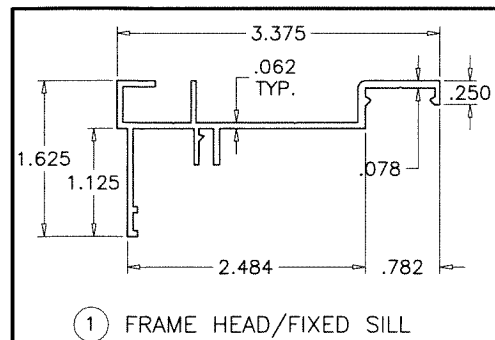
TECNOGLASS, LLC
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revisions:
no date by description

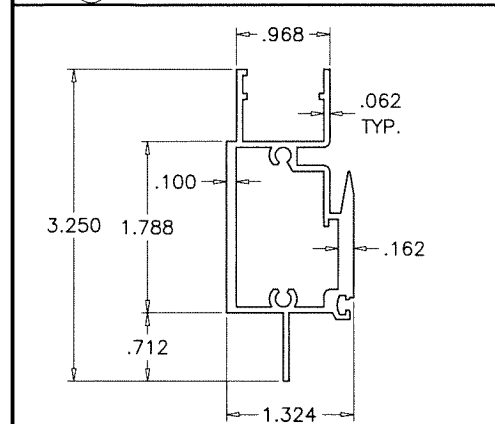
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chk. by:

drawing no.
25-71F

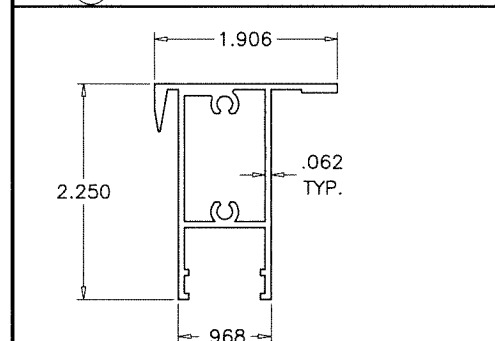
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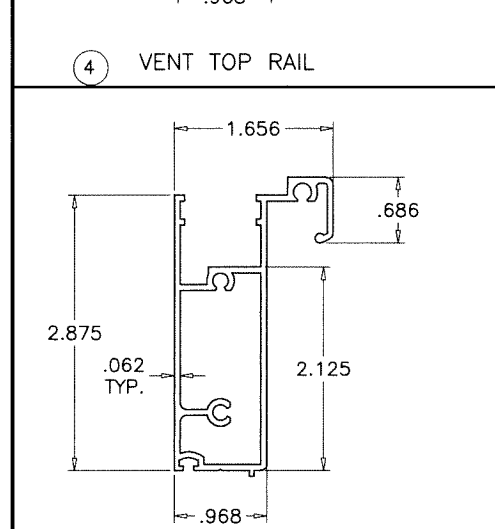
① FRAME HEAD/FIXED SILL



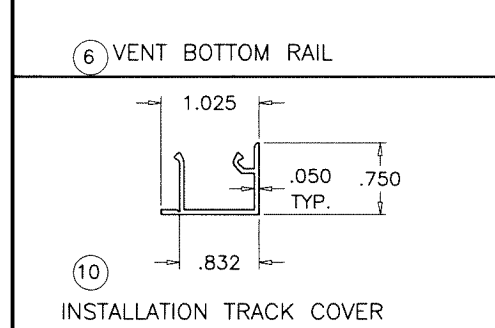
③ MEETING RAIL



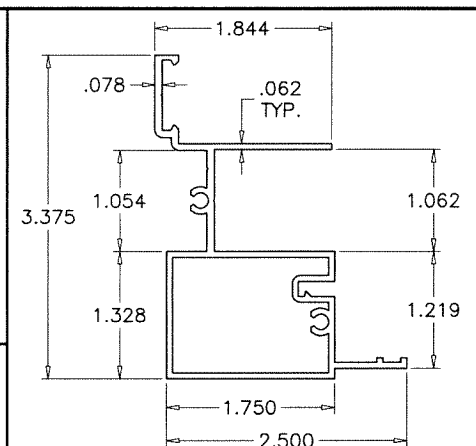
④ VENT TOP RAIL



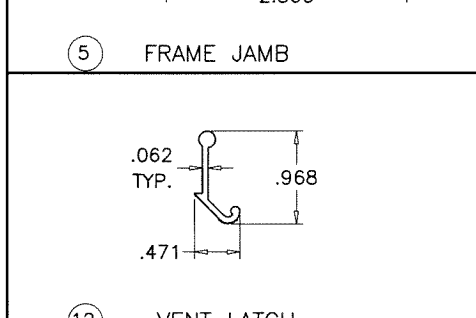
⑥ VENT BOTTOM RAIL



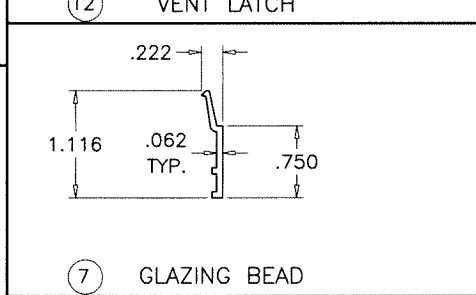
⑩ INSTALLATION TRACK COVER



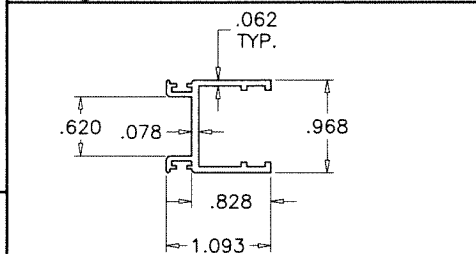
⑤ FRAME JAMB



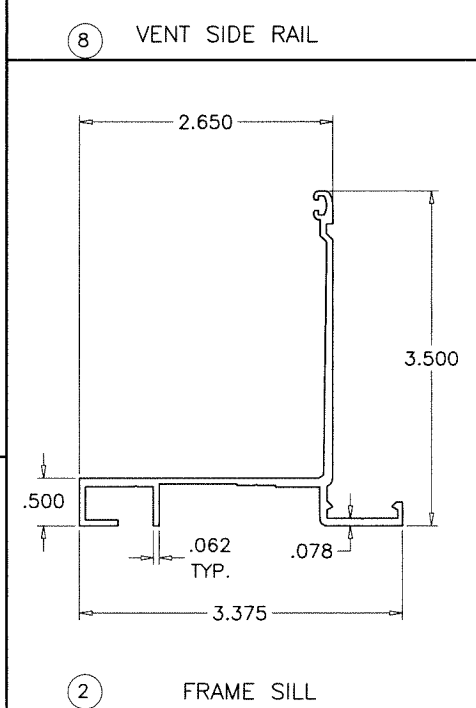
⑫ VENT LATCH



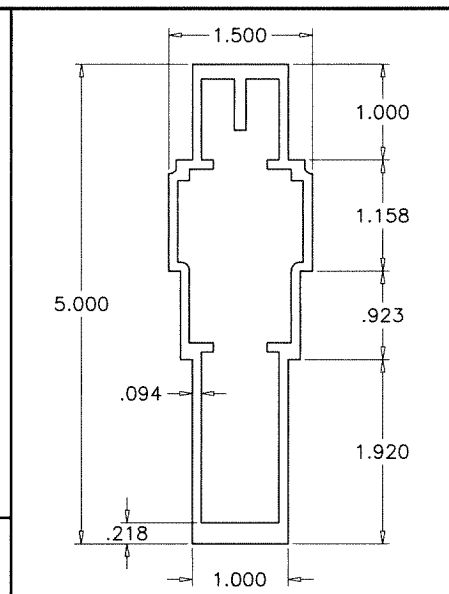
⑦ GLAZING BEAD



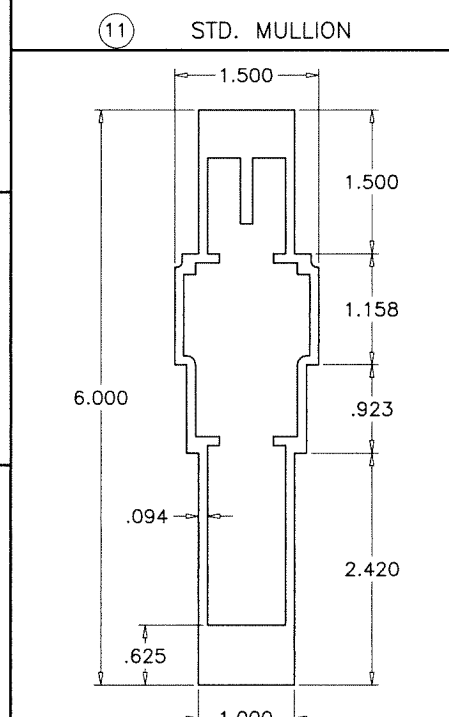
⑧ VENT SIDE RAIL



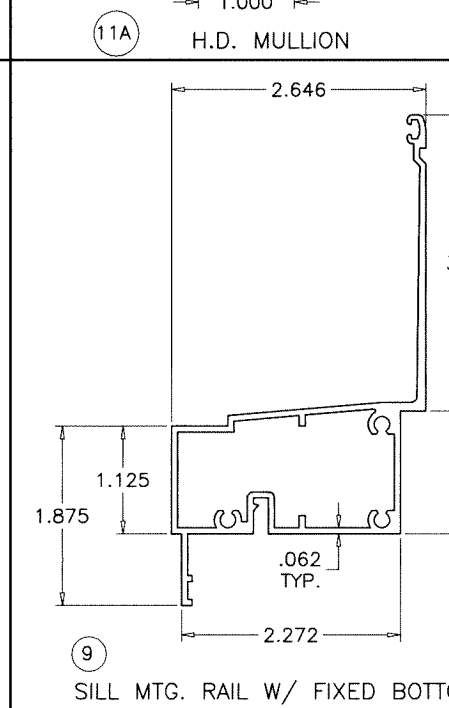
② FRAME SILL



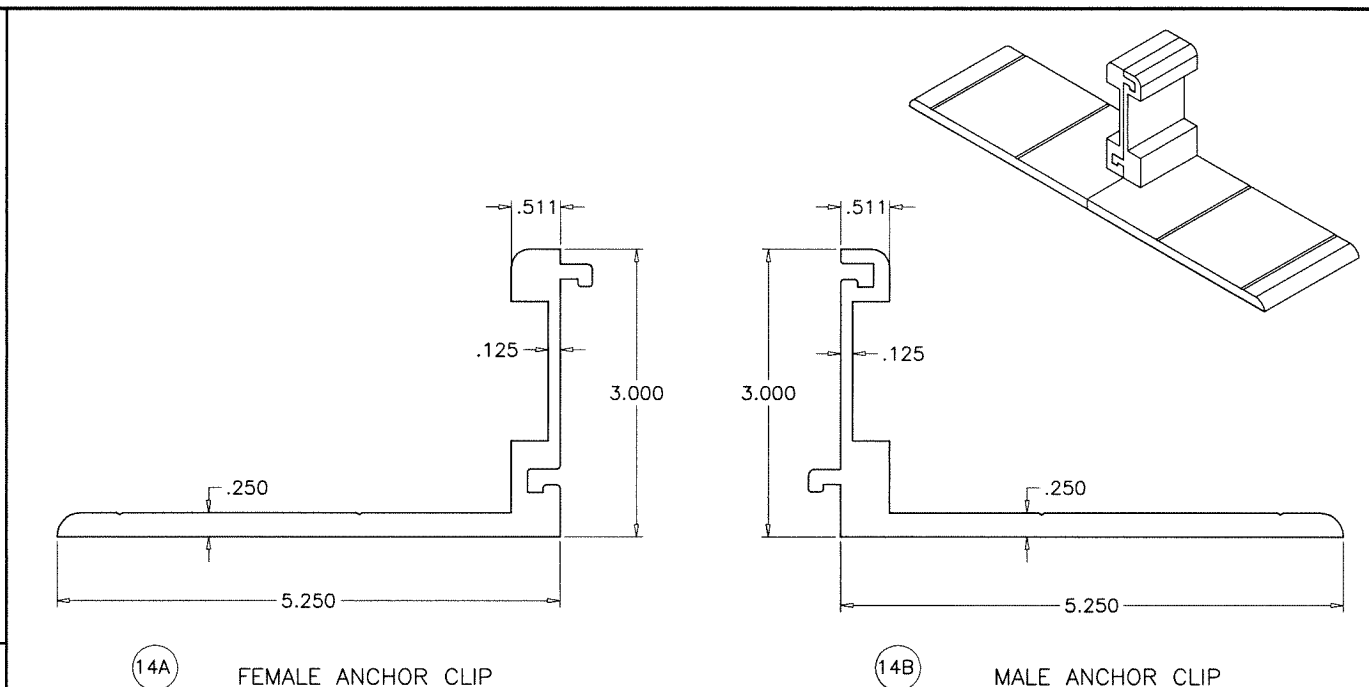
⑪ STD. MULLION



⑪A H.D. MULLION

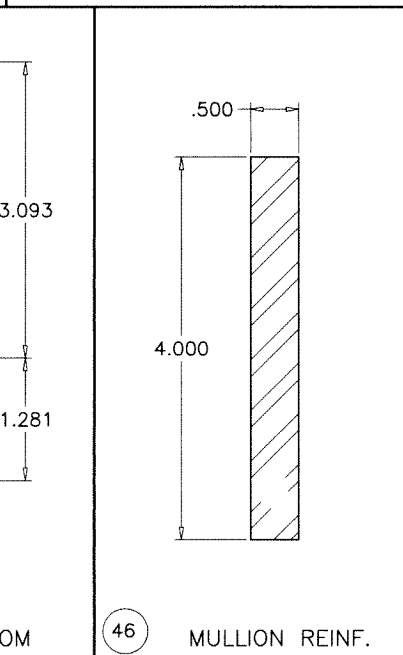
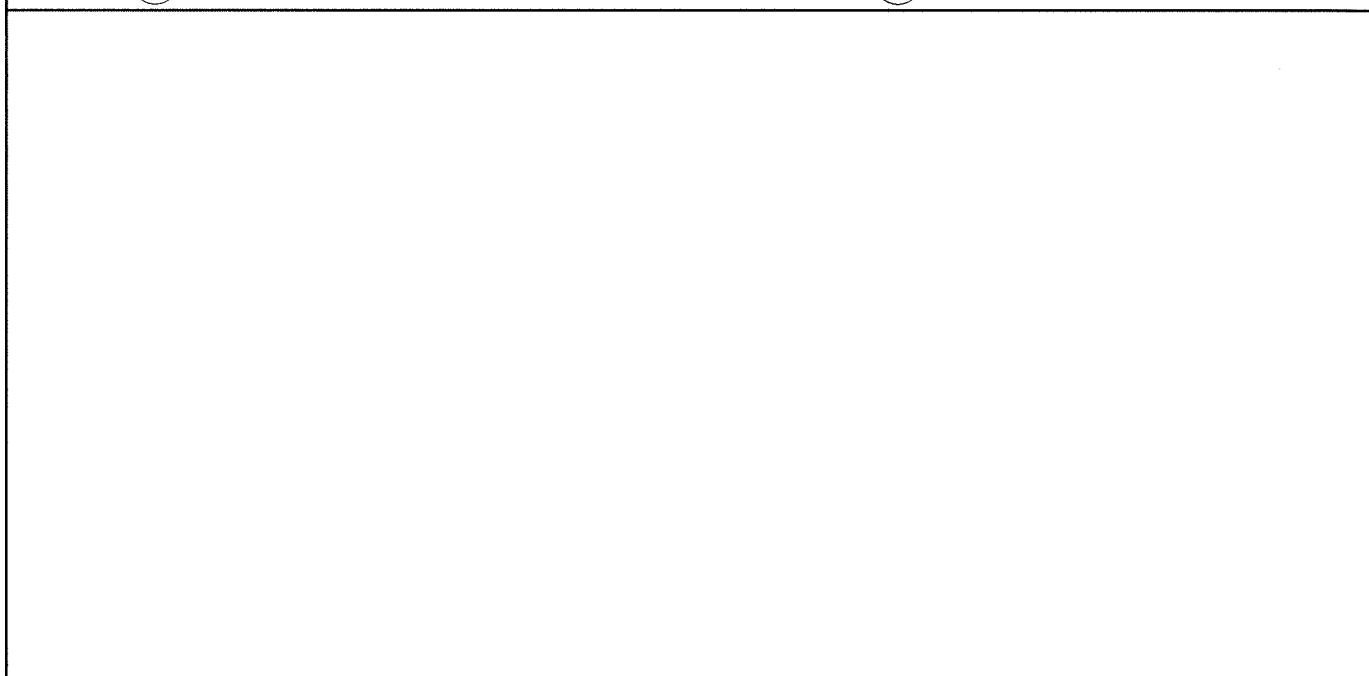


⑨ SILL MTG. RAIL W/ FIXED BOTTOM



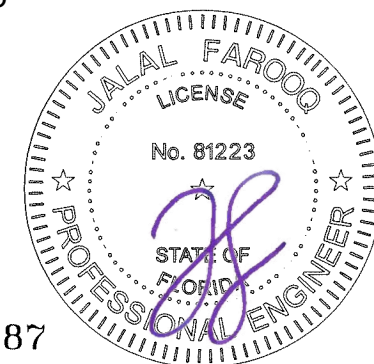
⑭A FEMALE ANCHOR CLIP

⑭B MALE ANCHOR CLIP



④6 MULLION REINF.

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SERIES 500Y ALUM SINGLE HUNG WINDOW (L.M.I.)

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revisions:

no	date	by	description

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