

GENERAL NOTES

1. THE PRODUCT SHOWN HEREIN CONSTRUCTED FROM LUXVIEW THERMALLY BROKEN ALUMINUM FRAMES HAS BEEN TESTED TO TAS201/202/203-94, AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 8TH EDITION (2023), INCLUDING THE HIGH VELOCITY HURRICANE ZONE.

2. THIS PRODUCT IS LARGE AND SMALL MISSILE IMPACT RESISTANT AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS.

3. THE DESIGN PRESSURES INDICATED IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED WATER, STRUCTURAL, AND CYCLIC PRESSURES.

4. THIS DOCUMENT ADDRESSES PRODUCT ANCHORAGE TO ACHIEVE THE INDICATED DESIGN PRESSURES AT THE INDICATED SIZES, IN THE CONFIGURATION SHOWN IN THE ELEVATIONS. INSTALL PRODUCTS WITH MAXIMUM SHIM GAP, MINIMUM EDGE DISTANCE AND EMBEDMENT, AND WITH FASTENER TYPE AS SHOWN AS INDICATED IN TABLE 1.

5. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.

6. THE OPENING SUBSTRATE MATERIALS (FRAMING, MASONRY, BUCKS) AND ATTACHMENT OF BUCKS TO THE SUBSTRATE ARE BY OTHERS AND SHALL BE VERIFIED BY THE ARCHITECT OR ENGINEER OF RECORD OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ). BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. WITH MASONRY OPENINGS, WOOD BUCKS ARE OPTIONAL.

7. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH THIS PRODUCT.

8. ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS.

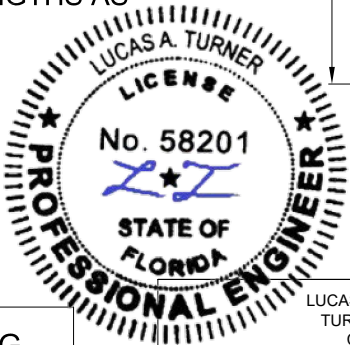
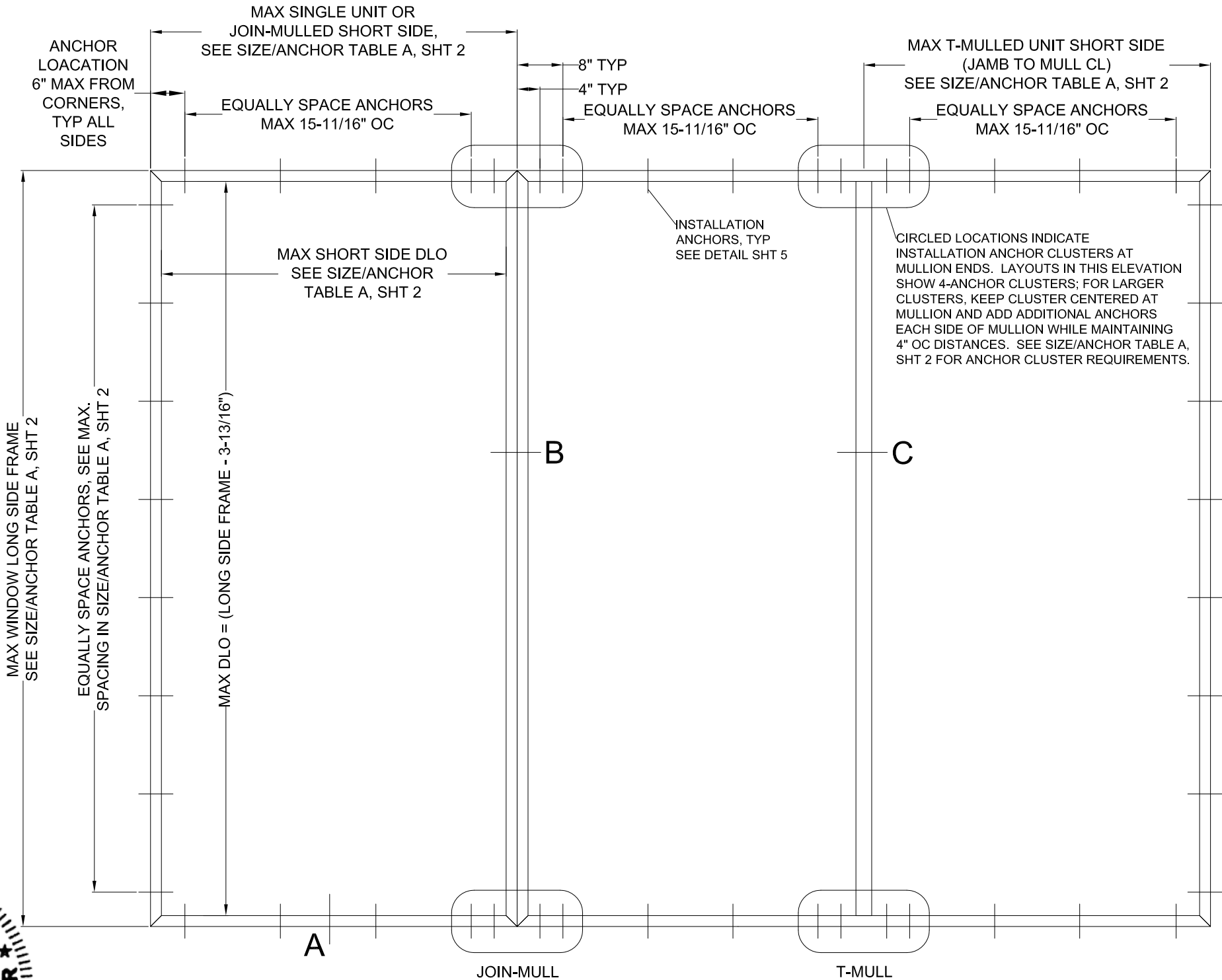
9. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS.

10. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS AND ARE NOT ADDRESSED BY THIS DOCUMENT.

11. FOR ADDITIONAL REQUIREMENTS SEE GENERAL ANCHOR NOTES, SHEET 2.

12. THE ELEVATION ON THIS SHEET MAY BE ROTATED 90 DEG. (WITH MULLS ORIENTED HORIZONTALLY OR VERTICALLY, OR WITH SINGLE UNIT WIDTH/HEIGHT TRANSPOSED) WHILE MAINTAINING MAXIMUM FRAME AND MULL LENGTHS AS INDICATED IN SIZE/ANCHOR TABLE A ON SHEET 2.

LUXVIEW FIXED 80i WINDOW WALL



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2428 OLD NATCHEZ TRACE TRL.
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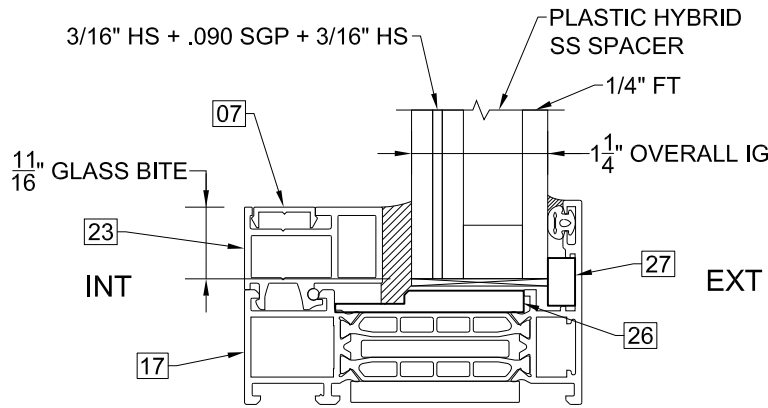
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LUXVIEW FIXED 80i WINDOW WALL

Drawing Number: FPA-FIX80i	Revision: 01
Drawn By: CAC/LAT	Reviewed By: QAC
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DESIGN PRESSURE	IMPACT RATING
+80/-80 (SEE TABLE D, SHT 3)	LARGE AND SMALL MISSILE IMPACT
+70/-70 (SEE TABLES A AND B, SHT 2)	
+60/-60 (SEE TABLE C, SHT 2)	

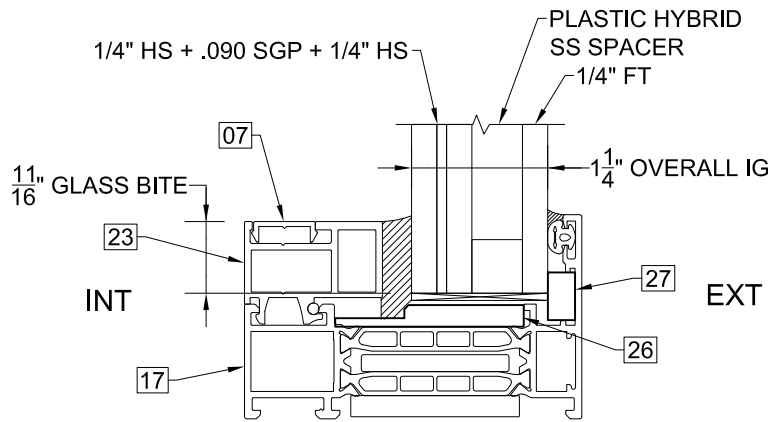
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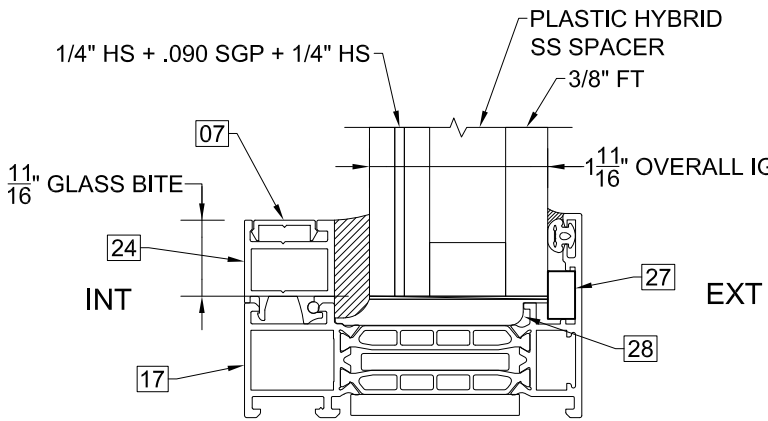
GL1 GLAZING DETAIL

SEE SIZE/ANCHOR TABLES A AND D. SINGLE UNIT
OR INDIVIDUAL UNIT WITHIN MULLED ASSEMBLY:
FRAME AREA UP TO 40.7 FT²



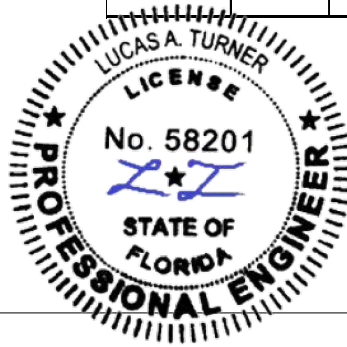
GL2 GLAZING DETAIL

SEE SIZE/DP TABLES A AND B.
SINGLE UNIT: FRAME AREA UP TO 58.6 FT²
INDIVIDUAL UNIT WITHIN MULLED ASSEMBLY:
FRAME AREA UP TO 55.9 FT²



GL3 GLAZING DETAIL

SEE SIZE/ANCHOR TABLE C. MAY BE USED IN
SINGLE UNITS ONLY: FRAME AREA UP TO 84 FT²



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Size/Anchor Table B. Single Unit Non-Mulled Only with GL2 Glazing Detail. Design Pressure Rating of
all configurations is +/-70 psf (ASD). All dimensions/spacings in Table are in inches.

Max. Short Side	Max. Short Side DLO	Max. Long Side	Max. Long Side DLO	Long Side Anchor Max. On-Center Spacing, for Anchor IDs See Table 1, Sht 5		
				Anchor IDs A, B, and F	Anchor IDs D, E, and G	Anchor IDs C and H
64	60 3/16	132	128 3/16	10 15/16	16 13/16	16 13/16
66	62 3/16	128	124 3/16	10 5/8	17	16 13/16
69	65 3/16	122 3/8	118 9/16	10 1/8	16 1/4	16 13/16
72	68 3/16	117 5/16	113 1/2	9 11/16	15 5/8	16 13/16
75	71 3/16	112 5/8	108 13/16	9 5/16	15	16 13/16
78	74 3/16	108 1/4	104 7/16	8 15/16	14 3/8	16 13/16
81	77 3/16	103	99 3/16	8 5/8	13 7/8	16 13/16
84	80 3/16	100 9/16	96 3/4	8 5/16	13 3/8	16 13/16
87	83 3/16	97 1/16	93 1/4	8 1/16	12 15/16	16 13/16
90	86 3/16	83 13/16	80	7 3/4	12 1/2	16 13/16
91 7/8	88 1/16	91 7/8	88 1/16	7 5/8	12 1/4	16 13/16

Size/Anchor Table C. Single Unit Non-Mulled Only with GL3 Glazing Detail. Design Pressure Rating of
all configurations is +/-60 psf (ASD). All dimensions/spacings in Table are in inches.

Max. Short Side	Max. Short Side DLO	Max. Long Side	Max. Long Side DLO	Long Side Anchor Max. On-Center Spacing, for Anchor IDs See Table 1, Sht 5		
				Anchor IDs A, B, and F	Anchor IDs D, E, and G	Anchor IDs C and H
84	80 3/16	144	140 3/16	9 11/16	15 5/8	16 13/16
87	83 3/16	139	135 3/16	9 3/8	15 1/16	16 13/16
90	86 3/16	134 3/8	130 9/16	9 1/16	14 9/16	16 13/16
93	89 3/16	130 1/16	126 1/4	8 3/4	14 1/16	16 13/16
96	92 3/16	126	122 3/16	8 1/2	13 5/8	16 13/16
99	95 3/16	122 1/8	118 5/16	8 1/4	13 1/4	16 13/16
102	98 3/16	118 9/16	114 3/4	8	12 7/8	16 13/16
105	101 3/16	115 3/16	111 3/8	7 3/4	12 1/2	16 13/16
108	104 3/16	112	108 3/16	7 9/16	12 1/8	16 13/16
109 15/16	106 1/8	109 15/16	106 1/8	7 7/16	11 7/8	16 13/16

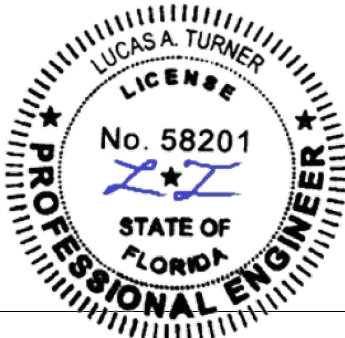
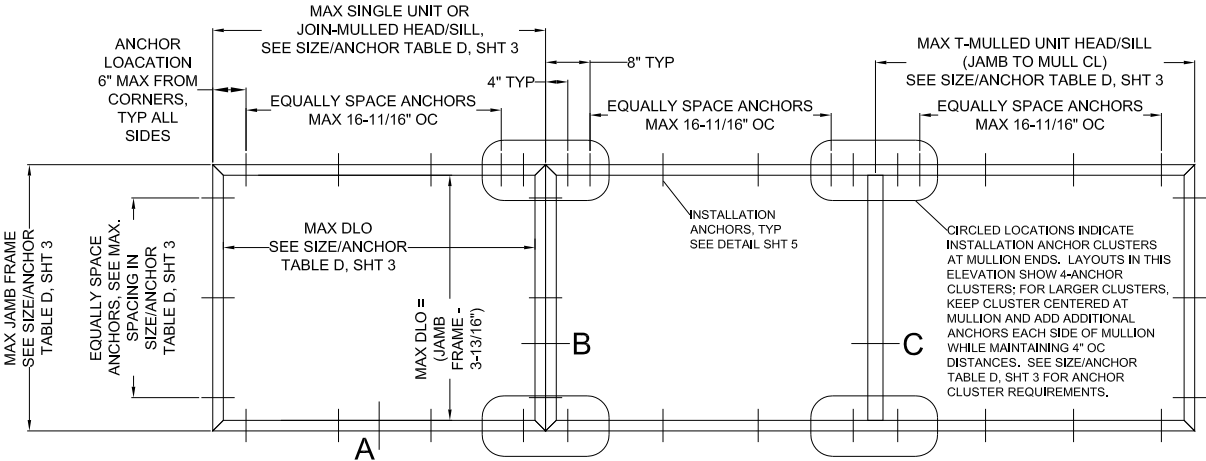
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Size/Anchor Table D. Single Unit or Mullied with GL1 Glazing Detail. Design Pressure Rating of all configurations is +/-80 psf (ASD). All dimensions/spacings in Table are in inches.

Head / Sill Dimensions (See Elevation, Sheet 3)				Max. Jamb / Mull Length	Join or T Mullion Reinforcement (see Sht. 4) Required	Anchor IDs A, B, and F, See Table 1, Sht 5		Anchor IDs D, E, and G, See Table 1, Sht 5		Anchor IDs C and H, See Table 1, Sht 5	
Max. Single Unit or Join-Mulled	Max. DLO	Max. T-Mulled Unit, Jamb to Mull Centerline	Max. T-Mulled Unit, Mull C/L to Mull C/L			Anchor Cluster Qty at Mull Ends	Jamb Anchor Max. On-Center Spacing	Anchor Cluster Qty at Mull Ends	Jamb Anchor Max. On-Center Spacing	Anchor Cluster Qty at Mull Ends	Jamb Anchor Max. On-Center Spacing
24	20 3/16	23 3/8	22 13/16	24	None	2	18	2	18	2	18
				30	None	2		2		2	
				36	None	2		2		2	
				42	None	2		2		2	
				48	None	2		2		2	
30	26 3/16	29 3/8	28 13/16	24	None	2	18	2	18	2	18
				30	None	2		2		2	
				36	None	2		2		2	
				42	None	4		2		2	
				48	None	4		2		2	
36	32 3/16	35 3/8	34 13/16	24	None	2	17	2	18	2	18
				30	None	2		2		2	
				36	None	4		2		2	
				42	None	4		2		2	
				48	None	4		2		2	
42	38 3/16	41 3/8	40 13/16	24	None	2	14 9/16	2	18	2	18
				30	None	4		2		2	
				36	None	4		2		2	
				42	None	4		2		2	
				48	None	4		4		2	
48	44 3/16	47 3/8	46 13/16	24	None	2	12 3/4	2	18	2	18
				30	None	4		2		2	
				36	None	4		2		2	
				42	None	4		4		2	
				48	None	4		4		2	
54	50 3/16	53 3/8	52 13/16	24	None	4	11 5/16	2	18	2	18
				30	None	4		2		2	
				36	None	4		2		2	
				42	None	4		4		2	
				48	None	6		4		2	
60	56 3/16	59 3/8	58 13/16	24	None	4	10 3/16	2	16 3/8	2	18
				30	None	4		2		2	
				36	None	4		4		2	
				42	None	6		4		2	
				48	None	6		4		2	

NOTE: THE ELEVATION ON THIS SHEET MAY BE ROTATED 90 DEG. (WITH MULLS ORIENTED HORIZONTALLY OR VERTICALLY, OR WITH SINGLE UNIT WIDTH/HEIGHT TRANSPOSED) WHILE MAINTAINING MAXIMUM FRAME AND MULL LENGTHS AS INDICATED IN SIZE/ANCHOR TABLE D ON THIS SHEET. IN THIS CASE, USE JAMB REQUIREMENTS OF TABLE D FOR HEAD/SILL AND USE HEAD/SILL REQUIREMENTS OF TABLE D FOR JAMBS.



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LUXVIEW FIXED 80i WINDOW WALL

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FPA-FIX80i

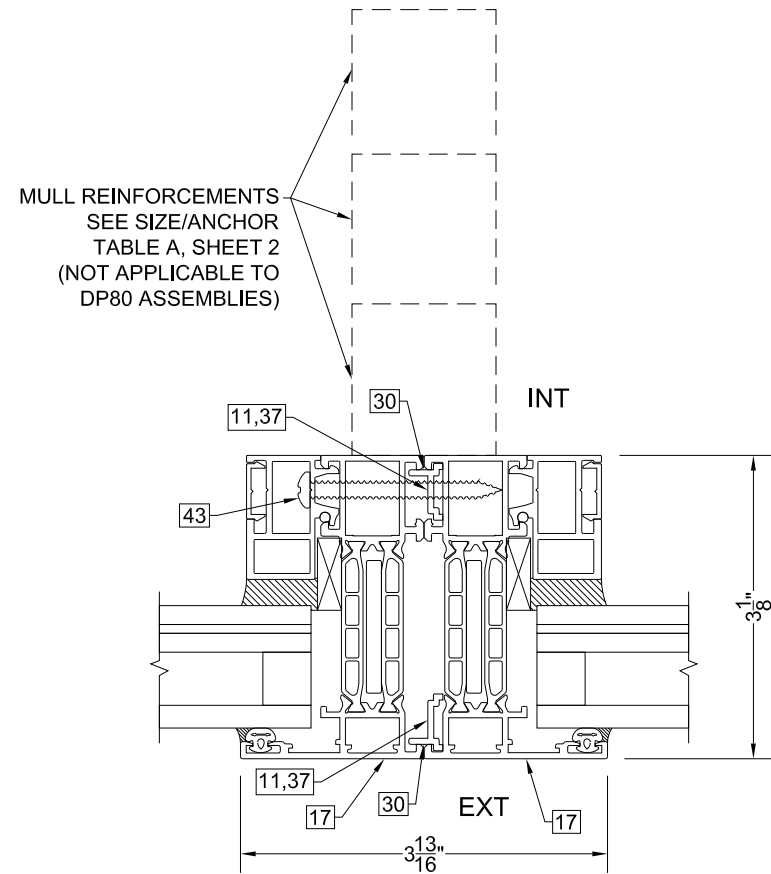
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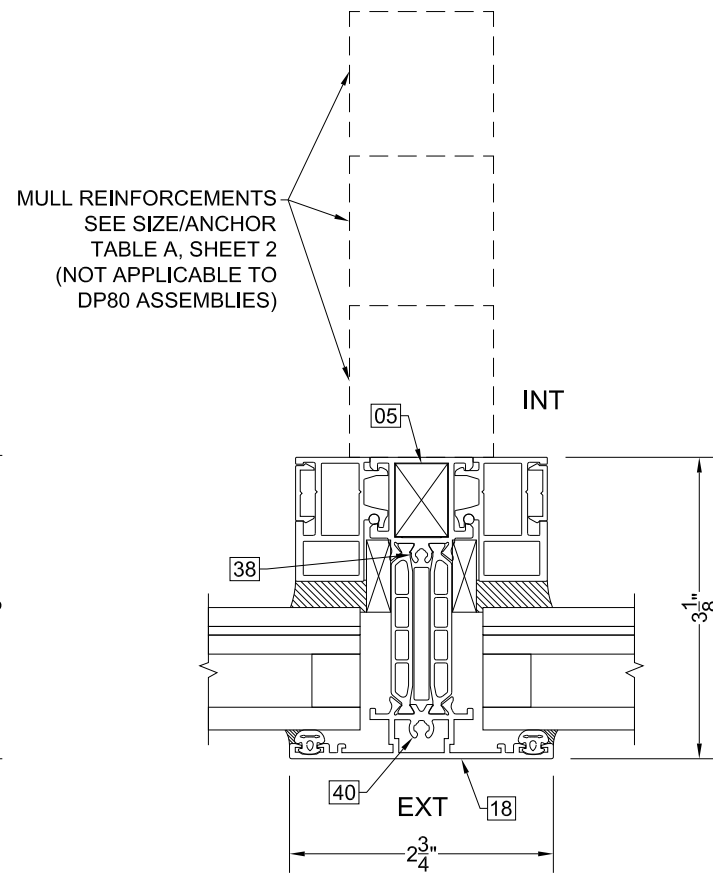
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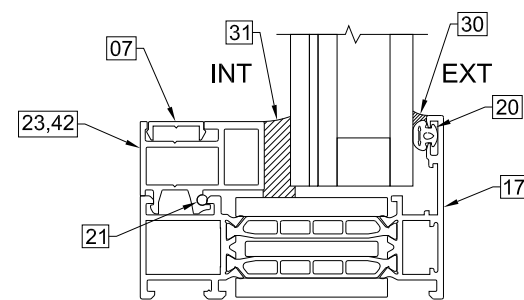




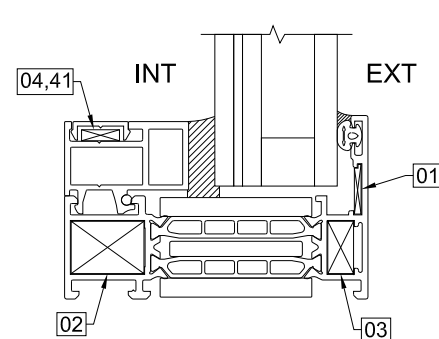
SECTION B
TYPICAL SECTION DETAIL AT JOIN MULL



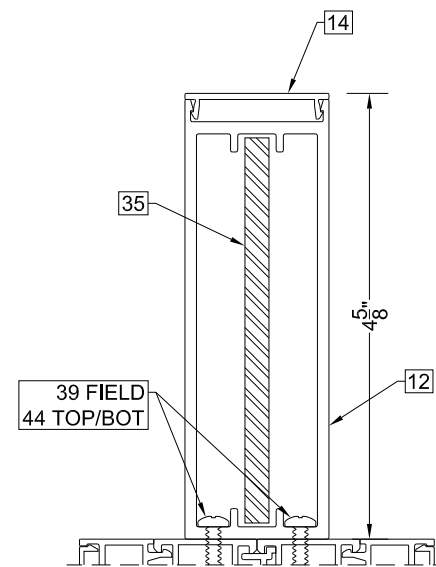
SECTION C
TYPICAL SECTION DETAIL AT T-MULL



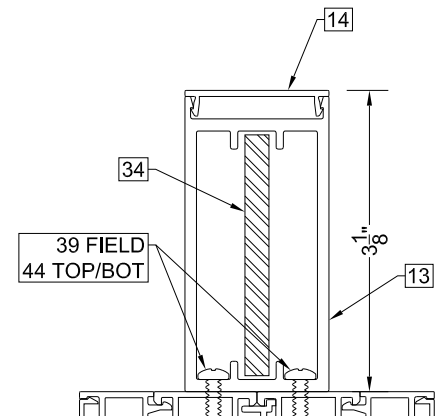
SECTION A
CONTINUOUS COMPONENTS



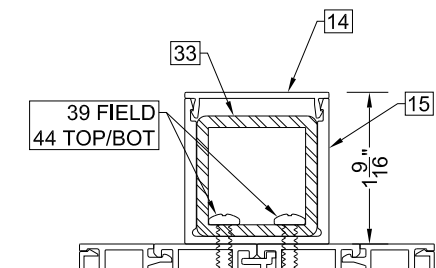
SECTION A
AT CORNER CLEATS



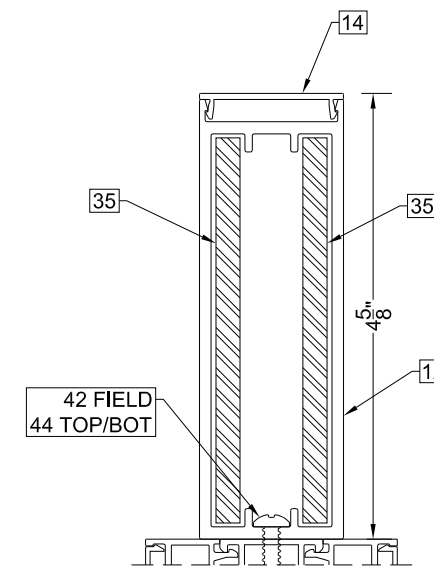
**JOIN MULL
REINFORCEMENT 1**



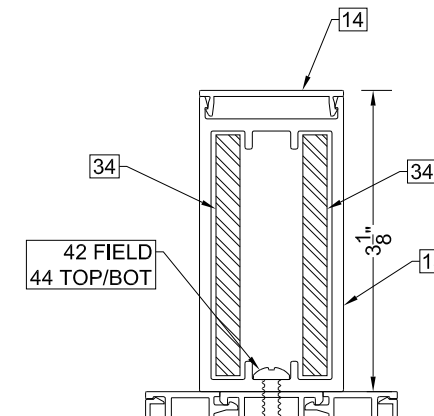
**JOIN MULL
REINFORCEMENT 2**



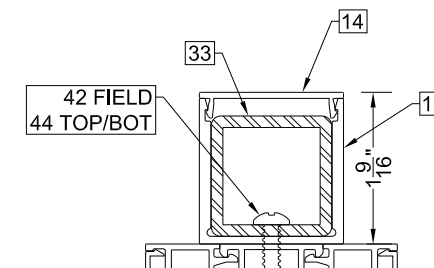
**JOIN MULL
REINFORCEMENT 3**



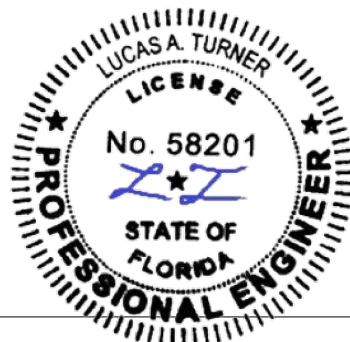
**T-MULL
REINFORCEMENT 1**



**T-MULL
REINFORCEMENT 2**



**T-MULL
REINFORCEMENT 3**



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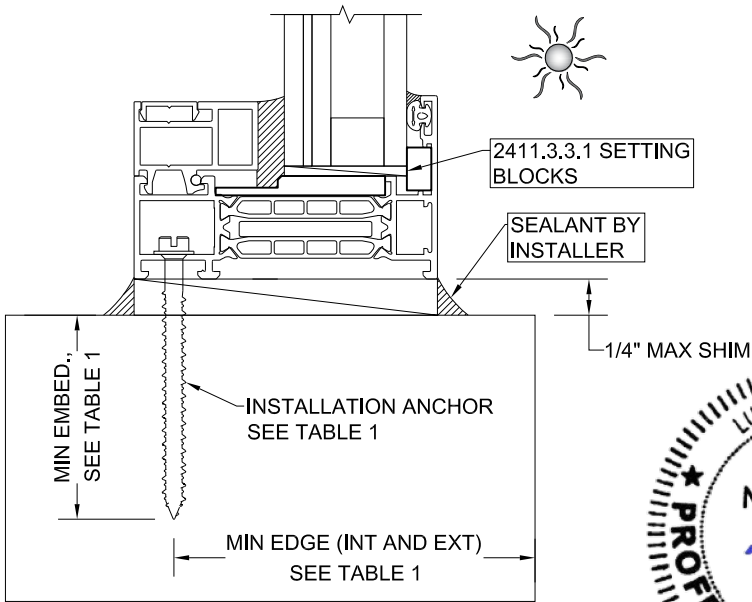
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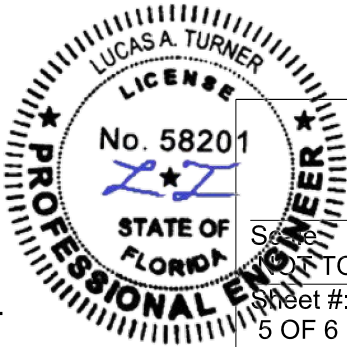
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GENERAL ANCHOR NOTES:
1. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
2. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
3. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS. FOR ATTACHMENT TO METAL SUBSTRATES ENSURE FULL THREAD ENGAGEMENT
4. FOR MASONRY WITH WOOD BUCKS LESS THAN 1-1/2" THICK, EMBEDMENT SHALL BE BEYOND WOOD BUCKS AND INTO MASONRY. WOOD BUCKS ARE OPTIONAL WITH MASONRY INSTALLATIONS WHERE MASONRY EDGE DISTANCE CONDITIONS ARE MET WITH NO BUCKS. WOOD BUCKS 1-1/2" THICK OR GREATER SHALL HAVE EMBEDMENT INTO THE WOOD BUCKS.
5. ENSURE 4" MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS.

TABLE 1: INSTALLATION ANCHOR REQUIREMENTS TABLE				
NOTE: ALL ANCHORS TO BE PAN HEAD, HEX/WASHER HEAD, OR FLAT HEAD WITH SUPPLEMENTAL STAINLESS WASHER OF EQUIVALENT DIAMETER TO HEX/WASHER HEAD				
ANCHOR ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DISTANCE
A	CONCRETE (3.05 KSI MIN)	1/4" DEWALT ULTRAICON+	1-3/8"	1"
B	GROUT-FILLED CMU (ASTM C-90)	1/4" DEWALT ULTRAICON+	1-3/4"	1"
C	CONCRETE (3.05 KSI MIN)	1/4" DEWALT ULTRAICON+	1-3/8"	2-1/2"
D	GROUT-FILLED CMU (ASTM C-90)	1/4" DEWALT ULTRAICON+	1-3/4"	2-1/2"
E	HOLLOW CMU (ASTM C-90)	1/4" DEWALT ULTRAICON+	1-1 1/4"	2-1/2"
F	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42 MIN.)	1/4" DEWALT ULTRAICON+	1-3/8"	1"
G	2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42 MIN.)	1/4" DEWALT ULTRAICON+	1-3/4"	1"
H	16 GAUGE (0.060") MIN. STEEL STUD, 33KSI YIELD MIN., OR 1/8" ALUM. 6063-T5 MIN.	1/4"-14 HIL TI KWIK-FLEX OR TEKS SELF-DRILLING SCREW	FULL+ 3 THREADS	1/2"



TYPICAL INSTALLATION DETAIL



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Bill Of Materials

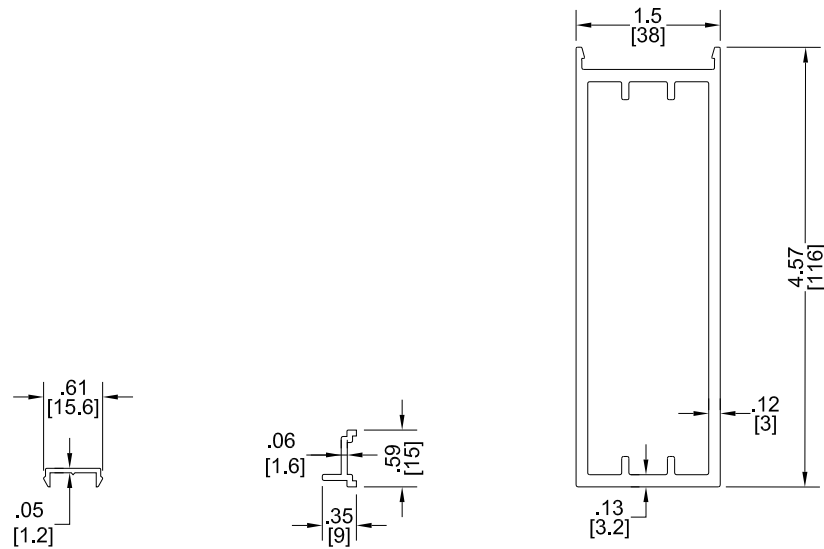
Line	Part Number	Description	Mull < 48"	48" < Mull < 72"	72" < Mull < 96"	96" < Mull < 132"	58.6 ft ² < Area < 84 ft ²	Material
1	LUX-CLT-0001	Alignment Corner Cleat	X	X	X	X	X	6063-T5 Alum
2	LUX-CLT-0002	Primary Corner Cleat	X	X	X	X	X	6063-T5 Alum
3	LUX-CLT-0003	Secondary Corner Cleat	X	X	X	X	X	6063-T5 Alum
4	LUX-CLT-0045	Glazing Bead Corner Cleat	X	X	X	X	X	6061-T6 Alum
5	LUX-CLT-0047	T-Mull Cleat	X	X	X	X		6063-T5 Alum
6								
7	LUX-COV-0020	Glazing Bead Cover	X	X	X	X	X	6063-T5 Alum
8	LUX-COV-0025	Large Reinforcement End Cap				X		6063-T5 Alum
9	LUX-COV-0026	Medium Reinforcement End Cap			X			6063-T5 Alum
10								
11	LUX-EXT-0013	Join Mull Alignment Clip	X	X	X	X		6063-T5 Alum
12	LUX-EXT-0044	Large Reinforcement				X		6063-T6 Alum
13	LUX-EXT-0045	Medium Reinforcement			X			6063-T6 Alum
14	LUX-EXT-0048	Reinforcement Cover		X	X	X		6063-T5 Alum
15	LUX-EXT-0049	Small Reinforcement		X				6063-T5 Alum
16								
17	LUX-FX80-0001	80mm Frame	X	X	X	X	X	6063-T5 Alum w/Poly Strut
18	LUX-FX80-0006	T-Mullion	X	X	X	X		6063-T5 Alum w/Poly Strut
19								
20	LUX-GKT-0001	Exterior Gasket	X	X	X	X	X	EPDM
21	LUX-GKT-0056	Cord Gasket	X	X	X	X	X	EPDM
22								
23	LUX-GZB-0004	Glazing Bead	X	X	X	X		6063-T6 Alum
24	LUX-GZB-004A	Glazing Bead - Modified					X	6063-T6 Alum
25								
26	LUX-PRK-0036	Glazing Wedge - 32mm	X	X	X	X		FBC 2411.3.3.1
27	LUX-PRK-0049	Setting Block	X	X	X	X	X	FBC 2411.3.3.1
28	LUX-PRK-0078	Glazing Wedge - 42mm					X	FBC 2411.3.3.1
29								
30	DOW-795	Silicone	X	X	X	X	X	Silicone
31	GE-SSG4600	Stuctural Silicone	X	X	X	X	X	Silicone
32								
33	-	1-1/4" x 1-1/4" x 11 Ga Tube						304 SS
34	-	1/4" x 2-1/2" Bar						304 SS
35	-	1/4" x 4" Bar						304 SS
36								
37	-	#6 x 1/2" Phil Pan T/S						18-8 SS
38	-	#6 x 3" Phil Pan T/S						18-8 SS
39	-	#8 x 3/4" Phil Pan T/S						18-8 SS
40	-	#8 x 3" Phil Pan T/S						18-8 SS
41	-	#10 x 1/2" Phil Flat T/S						18-8 SS
42	-	#10 x 3/4" Phil Pan T/S						18-8 SS
43	-	#10 x 2" Phil Pan T/S						18-8 SS
44	-	#14 x 3/4" Phil Pan T/S						18-8 SS
45	-	M4 x.7 x10 Machine Screw						18-8 SS

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LUXVIEW FIXED 80i WINDOW WALL

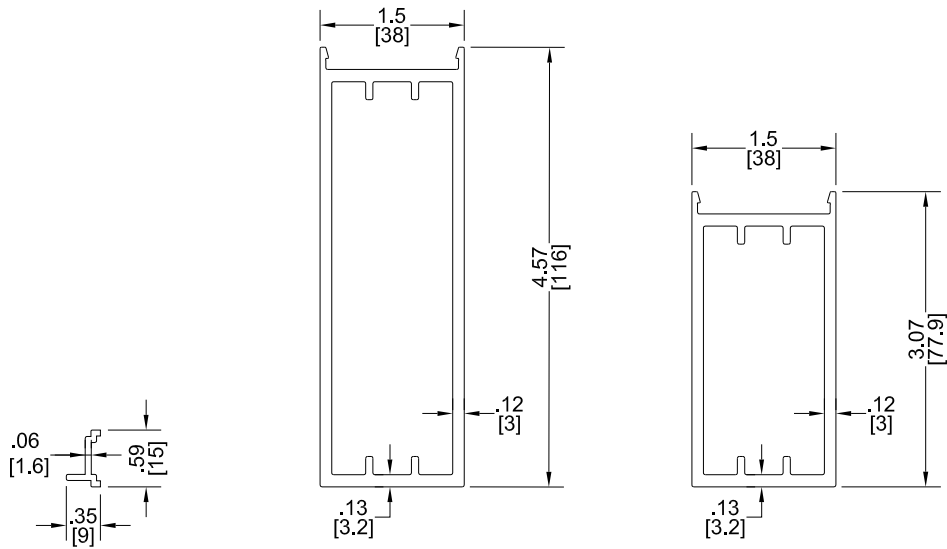
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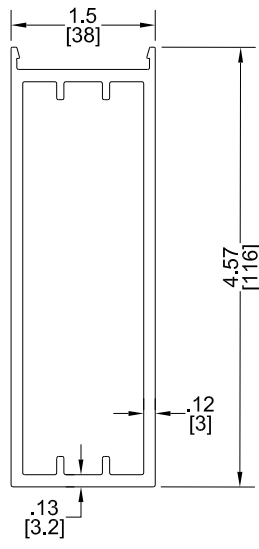
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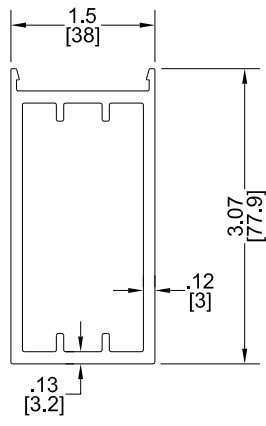
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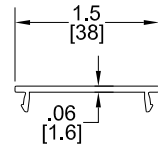
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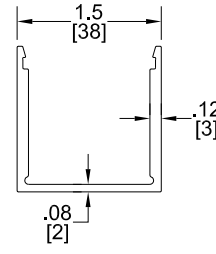
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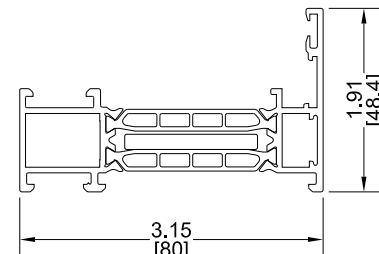
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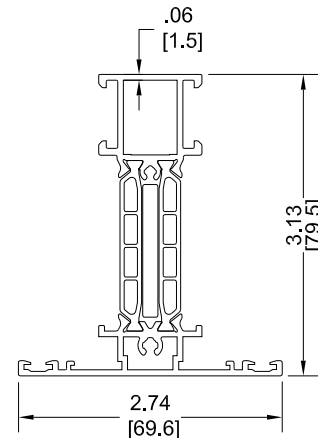
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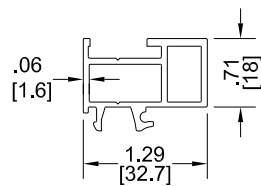
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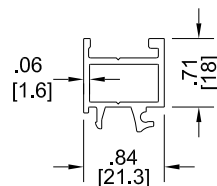
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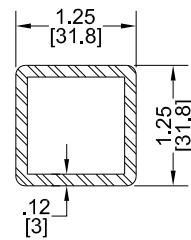
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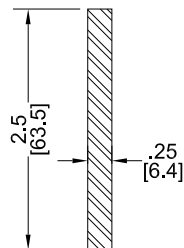
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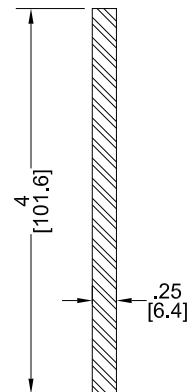
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Scale:
NOT TO SCALE

Sheet #:
6 OF 6

Drawing Title:
LUXVIEW FIXED 80i WINDOW WALL

Drawing Number:
FPA-FIX80i

Drawn By:
CAC/LAT

Reviewed By:
QAC

Revision:
01

Date:
FEB 5 2025

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