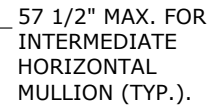
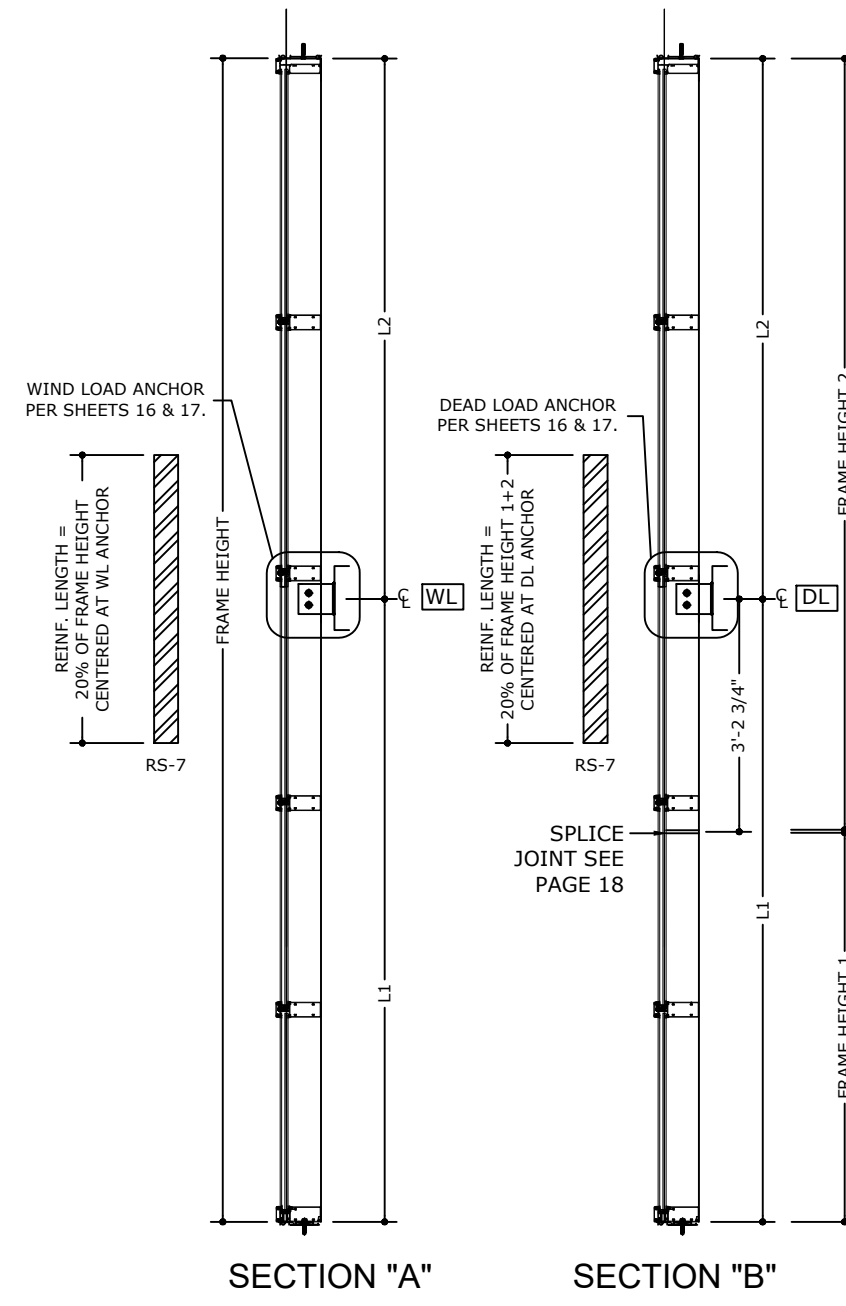


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SEE ANCHORING PAGE FOR
ANCHOR TYPE, QUANTITY
AND SPACING @ HEAD &
SILL CONNECTIONS

TYPICAL CURTAINWALL ELEVATION

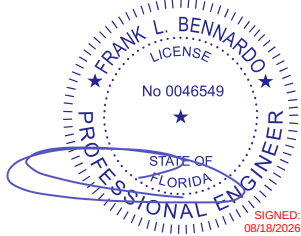
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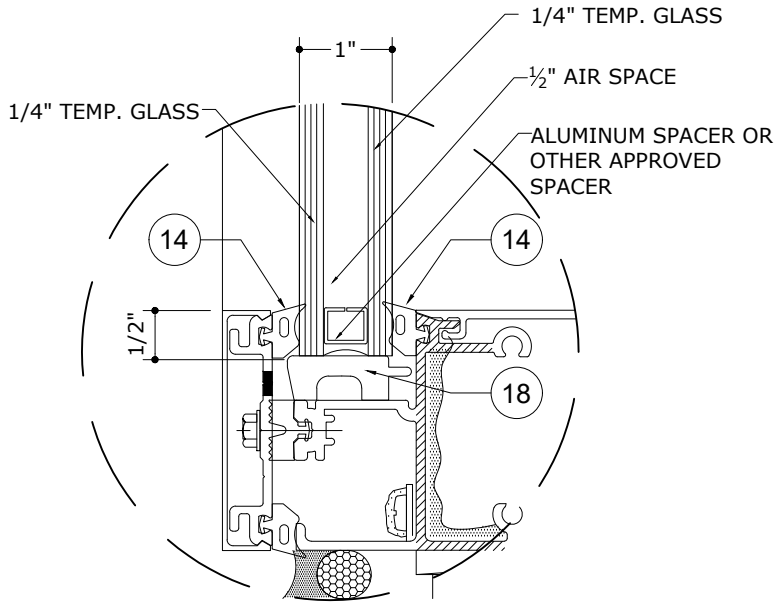
GLASS TYPES

FRANK BENNARDO, PE
PE# 0046549 CA# 9885

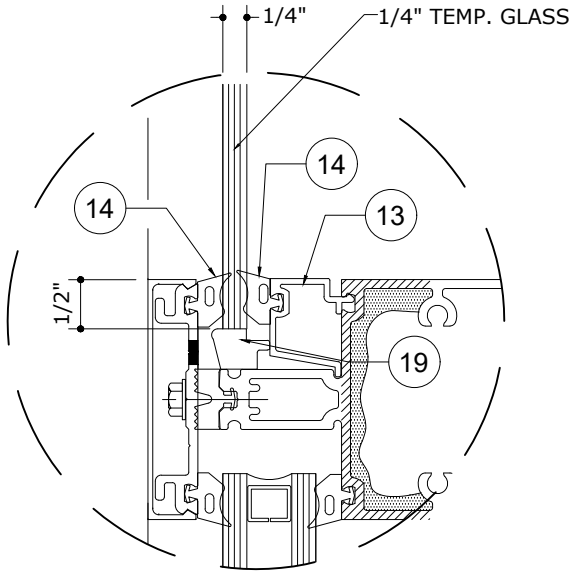
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GLASS TYPE **G1**
GLAZING DETAIL
N.T.S.
GLASS RATING:
NON-IMPACT



GLASS TYPE **G2**
GLAZING DETAIL
N.T.S.
GLASS RATING:
NON-IMPACT

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REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	05/23/23
2023 FBC (23-59830d)	SQ	RS	08/31/23
2026 FBC UPDATE	AEG	RS	08/11/26
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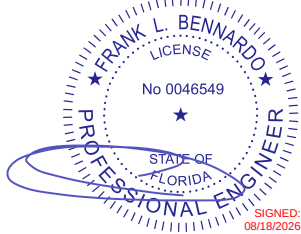
SCALE: NTS UNLESS NOTED

03 OF 23

GLASS LOADING TABLES

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PE# 0046549 CA# 9885

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GLASS TYPE G1		
MAX. D.L.O WIDTH (in)	MAX. D.L.O HEIGHT (in)	ALLOWABLE PRESSURE (P.S.F)
24	162	+ / - 70
30	144	+ / - 70
36	120	+ / - 66
42	96	+ / - 57
48	84	+ / - 50
60	72	+ / - 40

GLASS TYPE G2		
MAX. D.L.O WIDTH (in)	MAX. D.L.O HEIGHT (in)	ALLOWABLE PRESSURE (P.S.F)
24	108	+ / - 70
30	84	+ / - 62
36	72	+ / - 51
48	60	+ / - 40

NOTE: D.L.O. WIDTH AND HEIGHT DIMENSIONS CAN
BE REVERSED.

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	05/23/23
2023 FBC (23-59830d)	SQ	RS	08/31/23
2026 FBC UPDATE	AEG	RS	08/11/26
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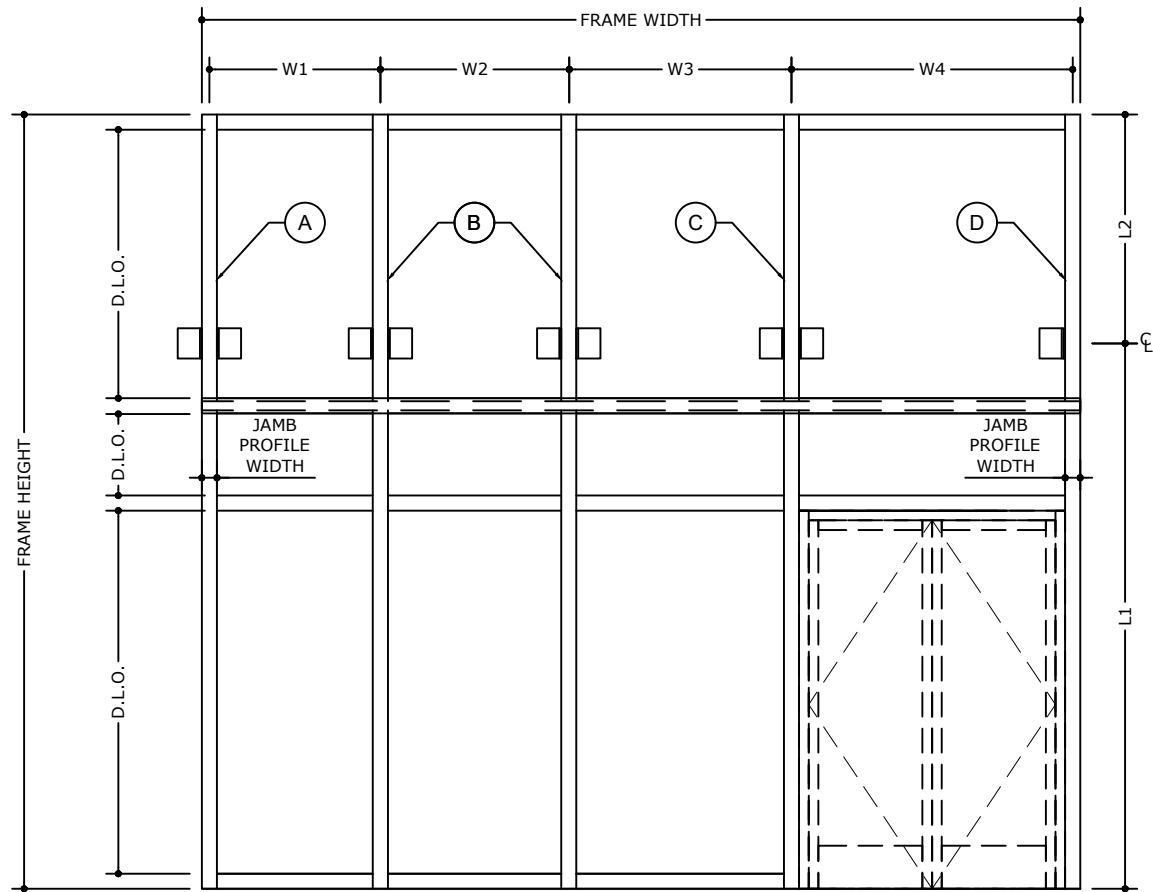
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TWIN SPAN MULLION DETERMINATION LOAD



LOAD DETERMINATION

TRIBUTARY WIDTH A = $\frac{W1}{2} + 1/2"$ JAMB PROFILE WIDTH
(FOR STANDARD JAMB MULLION)

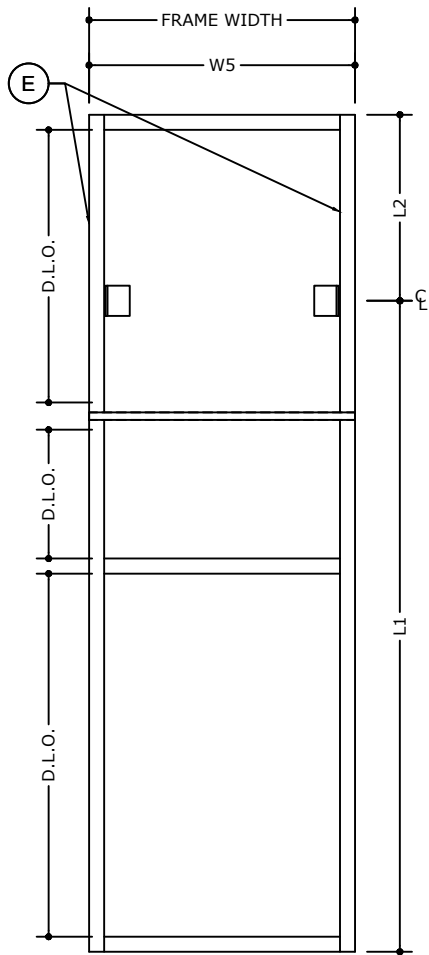
TRIBUTARY WIDTH B = LARGER OF $\frac{W1 + W2}{2}$ OR $\frac{W2 + W3}{2}$
(FOR STANDARD MULLION)

TRIBUTARY WIDTH C = $\frac{W3 + W4}{2}$
(FOR DOOR INTERMEDIATE MULLION)

TRIBUTARY WIDTH D = $\frac{W4}{2} + 1/2"$ JAMB PROFILE WIDTH
(FOR DOOR JAMB MULLION)

SPAN (L) = LARGER OF L1 OR L2

MAX. SPAN (L1+L2) = 324" MAX.

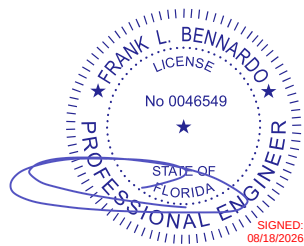


LOAD DETERMINATION

TRIBUTARY WIDTH E = $\frac{W5}{2}$
(FOR STANDARD JAMB MULLION)

- (A) (E) JAMB MULLION
(B) STANDARD MULLION
(C) DOOR JAMB INTERMEDIATE MULLION
(D) DOOR JAMB MULLION

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PE# 0046549 CA# 9885



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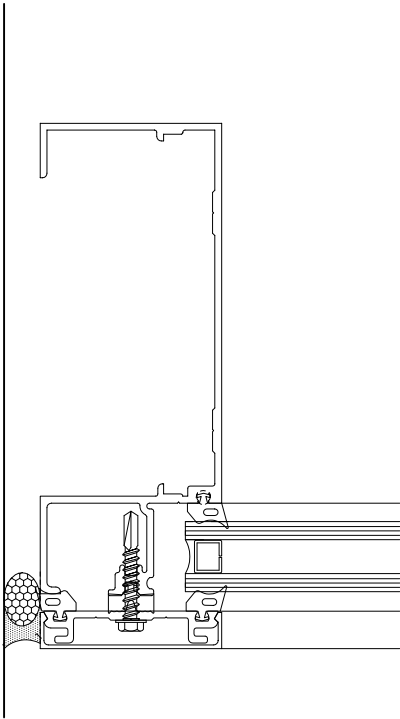
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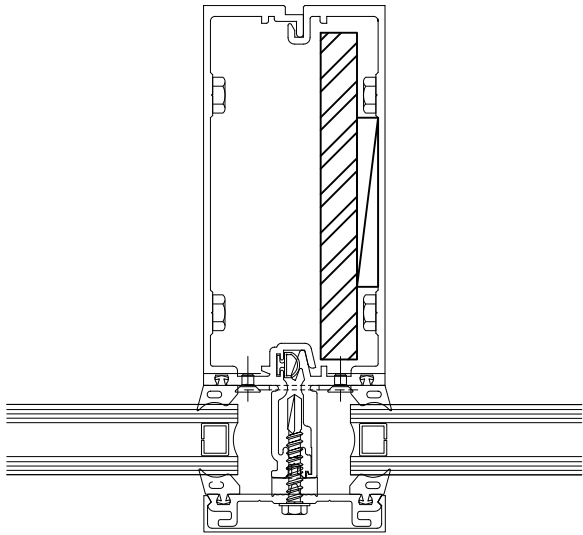
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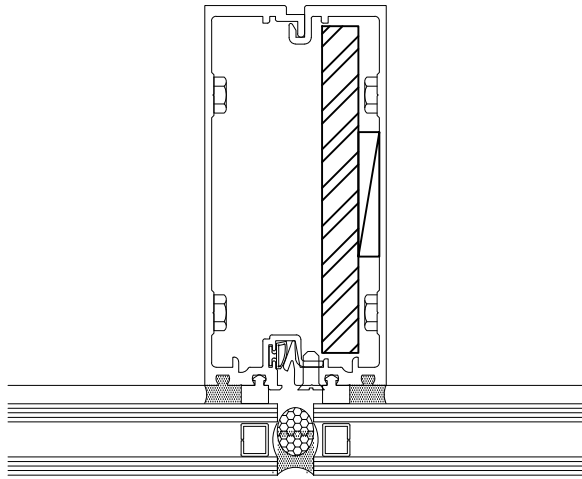
RELIANCE SS MULLIONS



J1
CONTINUOUS OR
SPLICED JAMB

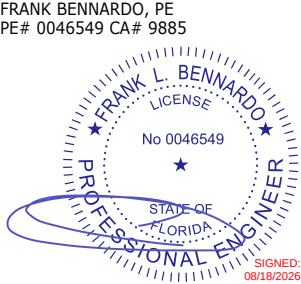


M1
CONTINUOUS OR
SPLICED MULLION



M2
SPLICED
MULLION

NOTE:
ALL STEEL REINFORCEMENT
MUST BE SHIMMED TIGHT.
TOP, MIDDLE & BOTTOM



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2023 FBC (23-598304)						
2026 FBC UPDATE						

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MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS

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PE# 0046549 CA# 9885

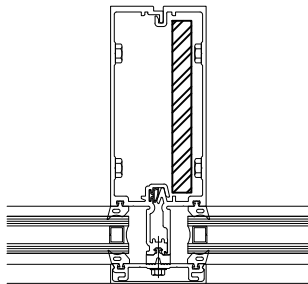
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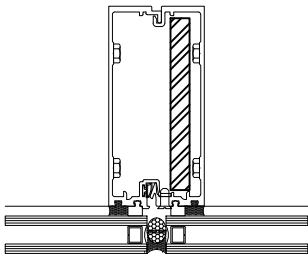
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MULLION LOADING CHART		MULLION TYPE		MULLION TYPE	
		M1		M2	
SPAN (L) (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
96	24	70	70	70	70
	30	70	70	70	70
	36	70	70	70	70
	42	70	70	70	70
	48	70	70	70	70
	54	70	70	70	70
	60	70	70	70	70
108	24	70	70	70	70
	30	70	70	70	70
	36	70	70	70	70
	42	70	70	70	70
	48	70	70	70	70
	54	70	70	70	70
	60	70	70	70	70

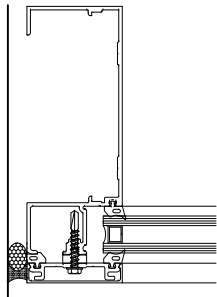
JAMB MULLION LOADING CHART		MULLION TYPE	
		J1	
SPAN (L) (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F
60	24	70	70
	30	70	70
	36	70	70
72	24	70	70
	30	70	70
	36	70	70
84	24	70	70
	30	70	70
	36	70	70
96	24	70	70
	30	70	70
	36	62	62



M1
CONTINUOUS OR
SPLICED MULLION
DETAILS 4.1, 4.4



M2
SPLICED
MULLION
DETAIL 4.2, 4.5



J1
CONTINUOUS OR
SPLICED JAMB
DETAILS 4, 4.3

MAX. SPAN (L1+L2) = 324" MAX.

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	-	-	-
	-	-	-

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MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS

FRANK BENNARDO, PE
PE# 0046549 CA# 9885

FRANK L. BENNARDO
LICENSE
No 0046549
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SIGNED:
08/18/2026

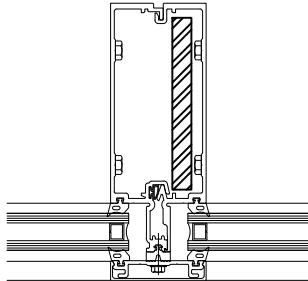
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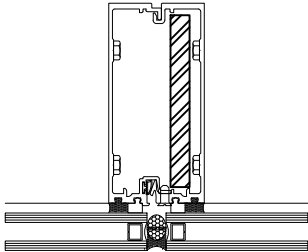
MULLION LOADING CHART		MULLION TYPE		MULLION TYPE	
		M1		M2	
SPAN (L) (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
120	24	70	70	70	70
	30	70	70	70	70
	36	70	70	70	70
	42	70	70	70	70
	48	70	70	70	70
	54	70	70	70	70
	60	70	70	70	70
132	24	70	70	70	70
	30	70	70	70	70
	36	70	70	70	70
	42	70	70	70	70
	48	66	66	66	66
	54	60	60	60	60
	60	56	56	56	56
144	24	70	70	70	70
	30	70	70	70	70
	36	70	70	70	70
	42	66	66	66	66
	48	60	60	60	60
	54	54	54	54	54
	60	50	50	50	50

MULLION LOADING CHART		MULLION TYPE		MULLION TYPE	
		M1		M2	
SPAN (L) (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F	(+) P.S.F	(-) P.S.F
156	24	70	70	70	70
	30	70	70	70	70
	36	69	69	69	69
	42	60	60	60	60
	48	54	54	54	54
	54	49	49	49	49
	60	45	45	45	45
163	24	70	70	70	70
	30	70	70	70	70
	36	64	64	64	64
	42	55	55	55	55
	48	50	50	50	50
	54	44	44	44	44
	60	40	40	40	40
174	24	70	70	70	70
	30	68	68	68	68
	36	58	58	58	58
	42	50	50	50	50
	48	44	44	44	44
	54	39	39	39	39

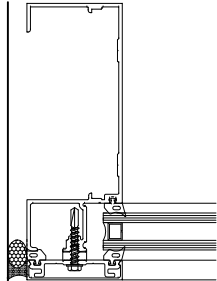
JAMB MULLION LOADING CHART		MULLION TYPE	
		J1	
SPAN (L) (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F
108	24	70	70
	30	63	63
	36	54	54
120	24	68	68
	30	56	56
	36	48	48
132	24	61	61
	30	50	50
	36	42	42
144	24	55	55
	30	45	45
156	24	51	51
	30	41	41
163	24	48	48
	32	40	40
174	24	48	48
	30	38	38



M1
CONTINUOUS OR
SPLICED MULLION
DETAILS 4.1, 4.4



M2
SPLICED
MULLION
DETAIL 4.2, 4.5



J1
CONTINUOUS OR
SPLICED JAMB
DETAILS 4, 4.3

MAX. SPAN (L1+L2) = 324" MAX.

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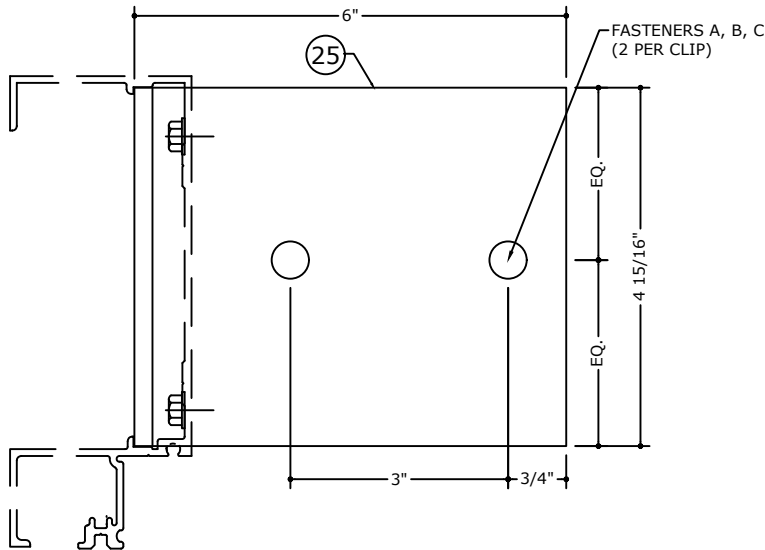
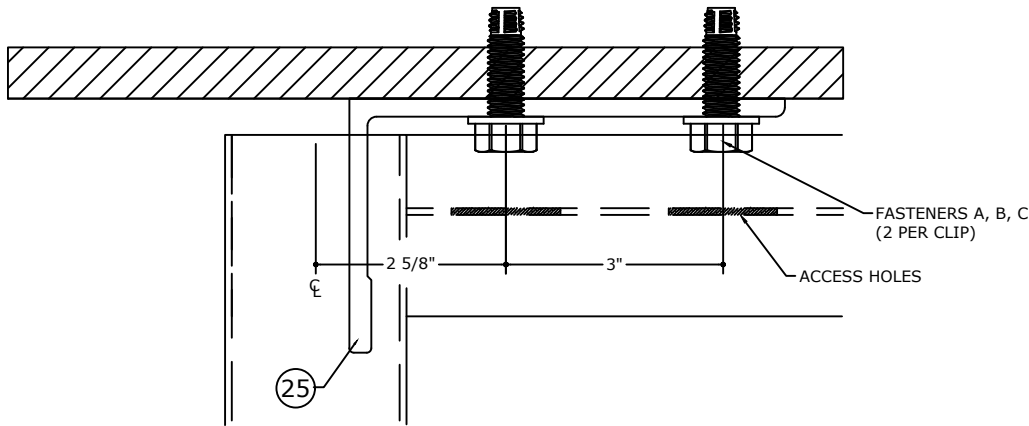
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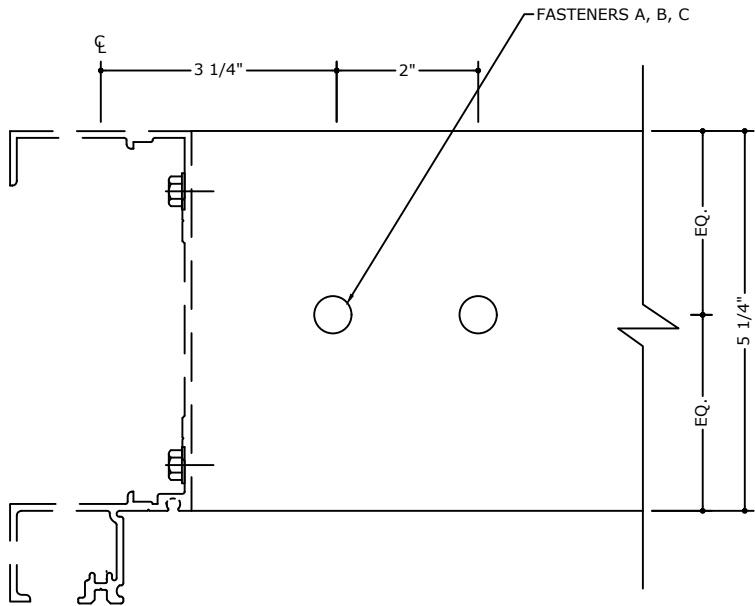
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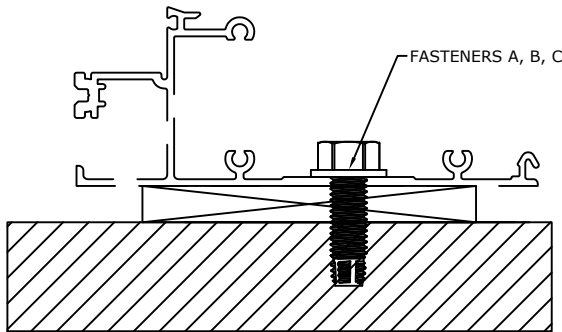
VERTICAL JAMB HEAD/SILL ANCHORAGE



JAMB MULLION
ANCHOR AT HEAD DETAIL



JAMB MULLION
ANCHOR AT SILL DETAIL



JAMB MULLION
ANCHOR AT SILL DETAIL

FASTENER TYPES

- A - 1/2" Ø DEWALT POWER STUD WEDGE EXPANSION ANCHOR INTO 3000 PSI CONCRETE, 1-5/8" MIN. EMBED. DEPTH & 2-1/2" MIN EDGE DISTANCE
- B - 1/2" Ø - 13 TAPFLEX WITH 3/4" HWH WITH SERRATIONS, GRADE 5 , INTO 1/8" MIN. A-36 STEEL, 16 GA MIN. STUD ASTM A-653 GRADE 33 STEEL OR 1/8" MIN. ALUMINUM 6063-T6 & 1 1/2" MIN. EDGE DISTANCE.
- C - 3/8" Ø LAG SCREW WITH 3" MIN. EMBEDMENT INTO G=0.55" MIN. SPECIFIC GRAVITY WOOD SUBSTRATE WITH 1 1/2" MIN. EDGE DISTANCE. LIMITED TO ±40 P.S.F.

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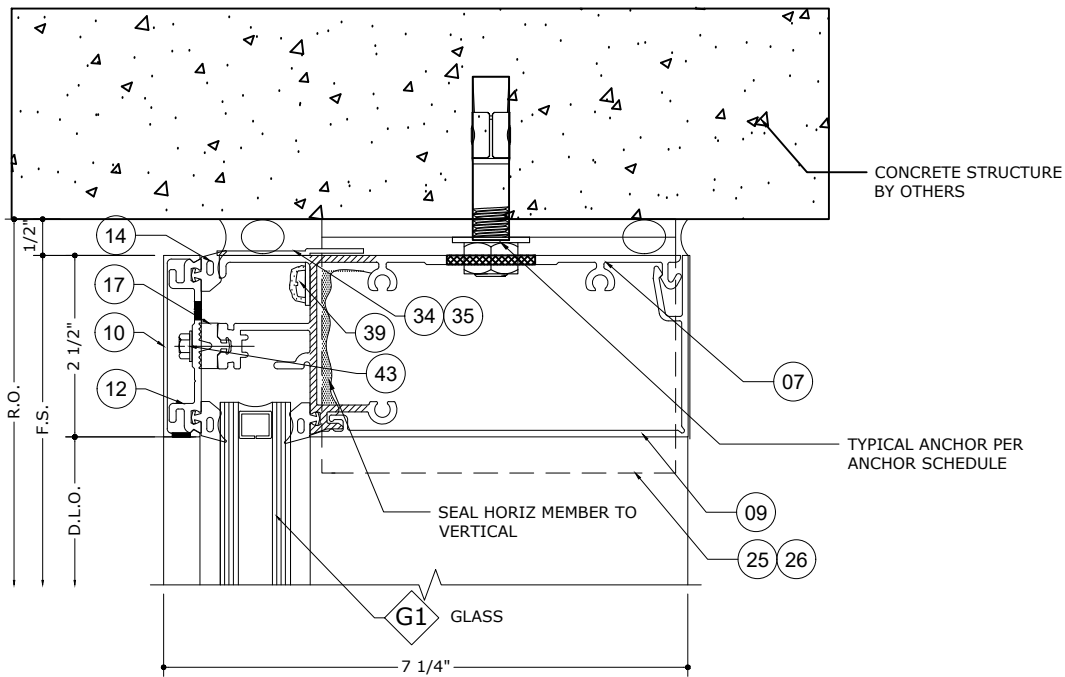
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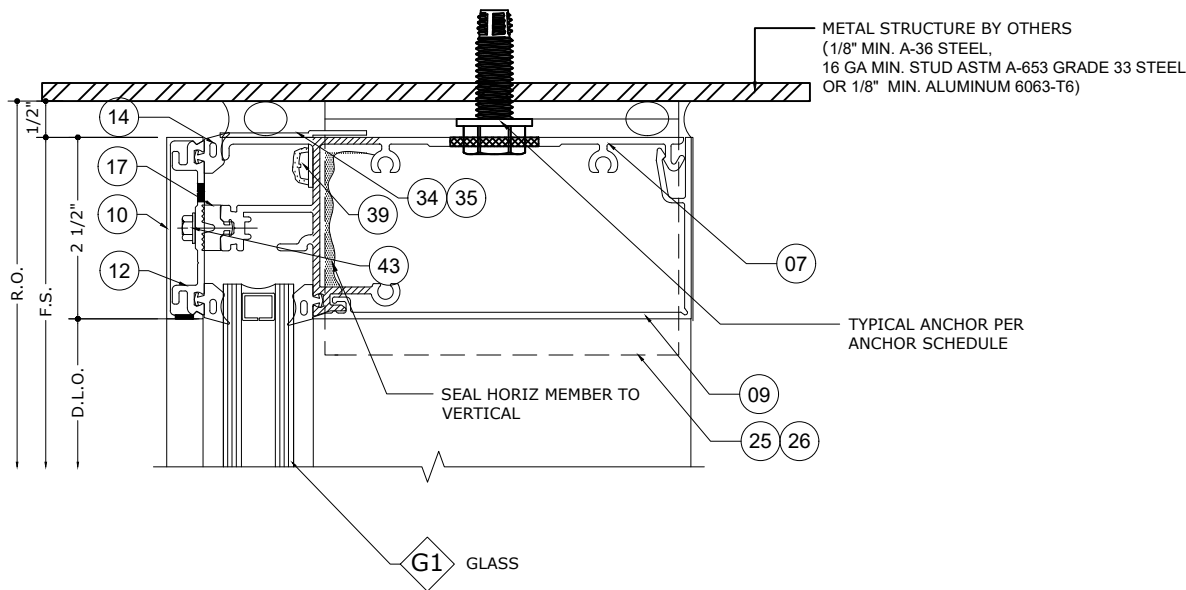
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HEAD DETAILS



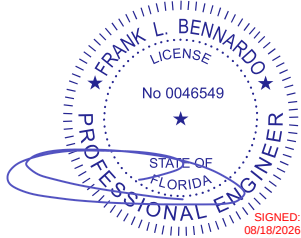
1 HEAD DETAIL
SCALE: 6" = 1'-0"



1.2 HEAD DETAIL
SCALE: 6" = 1'-0"

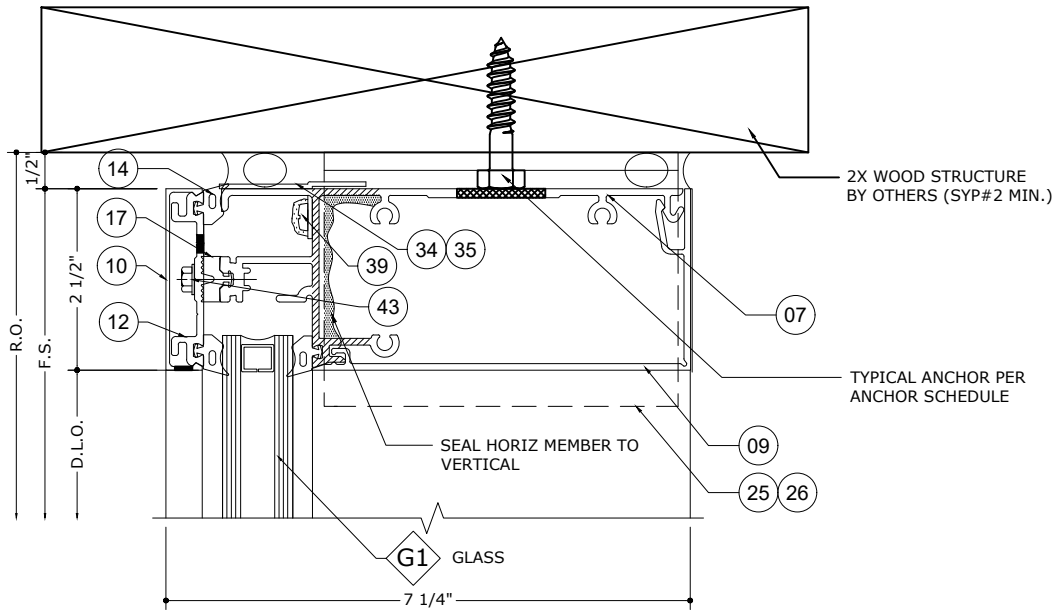
NOTE: REFER TO SYSTEM INSTALLATION MANUAL FOR FABRICATION AND ASSEMBLY INSTRUCTIONS.

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PE# 0046549 CA# 9885



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1.1 HEAD DETAIL
SCALE: 6" = 1'-0"

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	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

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PE# 0046549 CA# 9885

AUGUST 11, 2026

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FRANK L. BENNARDO
LICENSE
No 0046549
★
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SIGNED:
08/18/2026



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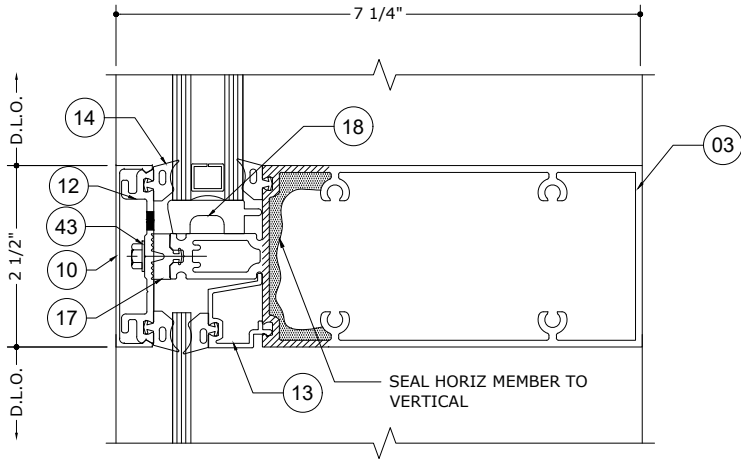
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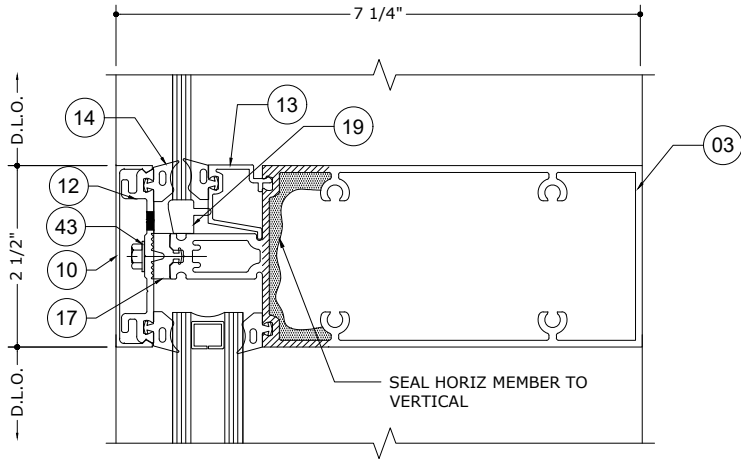
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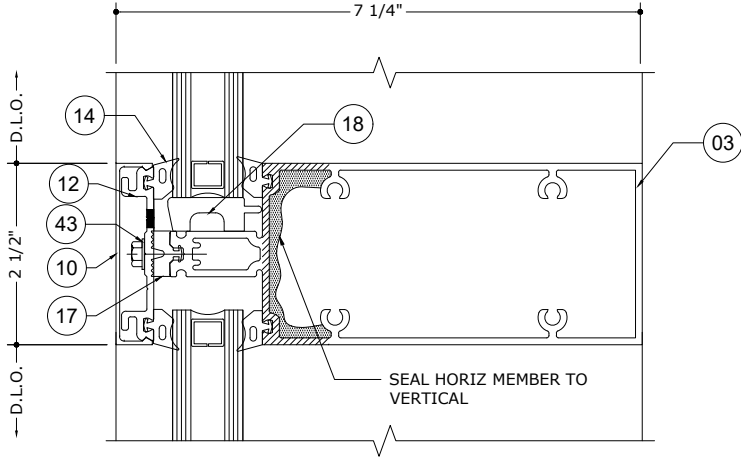
HORIZONTAL DETAILS



3 INTERMEDIATE HORIZONTAL DETAIL
SCALE: 6" = 1'-0"



3.1 INTERMEDIATE HORIZONTAL DETAIL
SCALE: 6" = 1'-0"

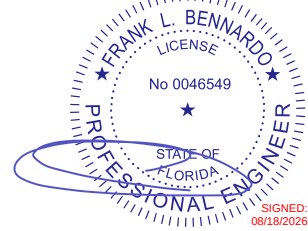


3.2 INTERMEDIATE HORIZONTAL DETAIL
SCALE: 6" = 1'-0"

NOTE: REFER TO SYSTEM ELEVATION ON PAGE 02 FOR LENGTH LIMITATIONS ON HORIZONTAL MULLIONS.

NOTE: REFER TO SYSTEM INSTALLATION MANUAL FOR FABRICATION AND ASSEMBLY INSTRUCTIONS.

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PE# 0046549 CA# 9885



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13 OF 23



05

06

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44

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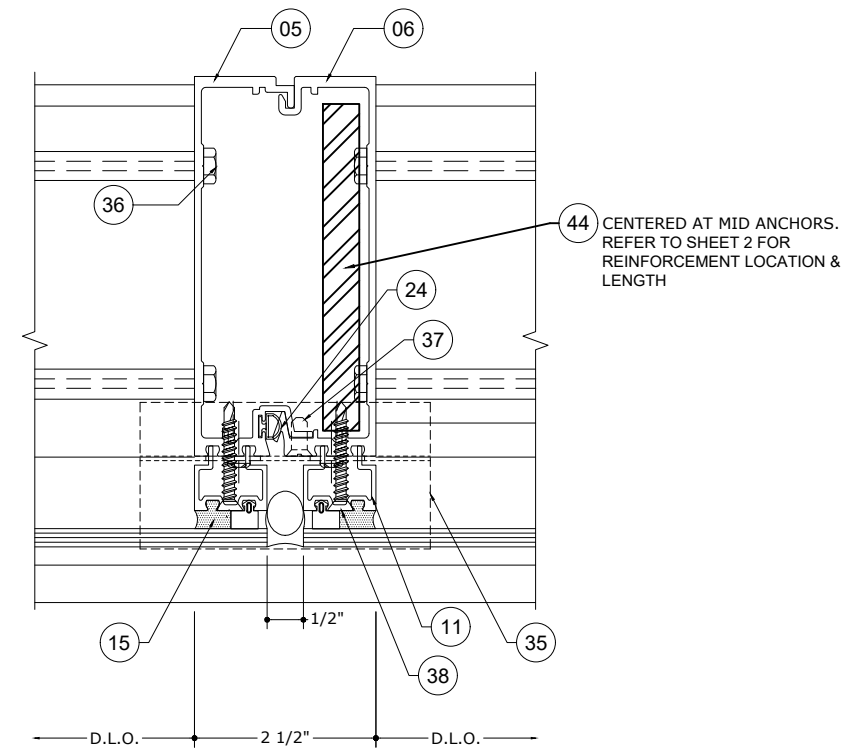
D.L.O.

2 1/2"

D.L.O.

CENTERED AT MID ANCHORS.
REFER TO SHEET 2 FOR
REINFORCEMENT LOCATION &
LENGTH

4.7 SSG VERTICAL DETAIL - M2



4.9 SSG VERTICAL DETAIL - M2

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★
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MULLION SPLICE DETAILS

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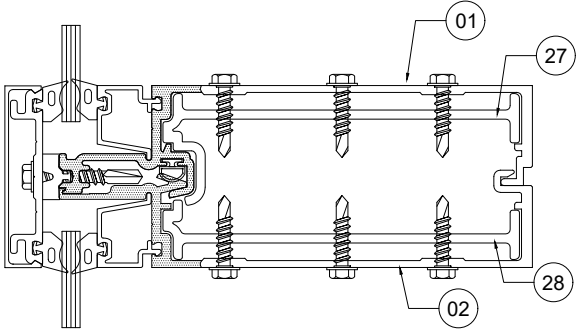
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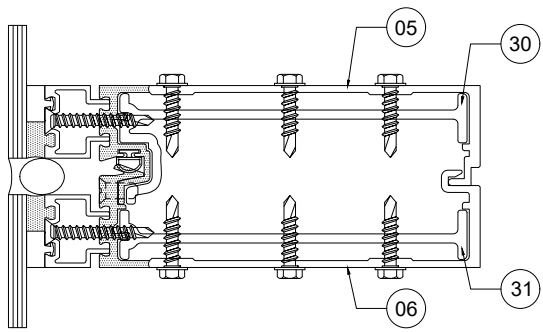
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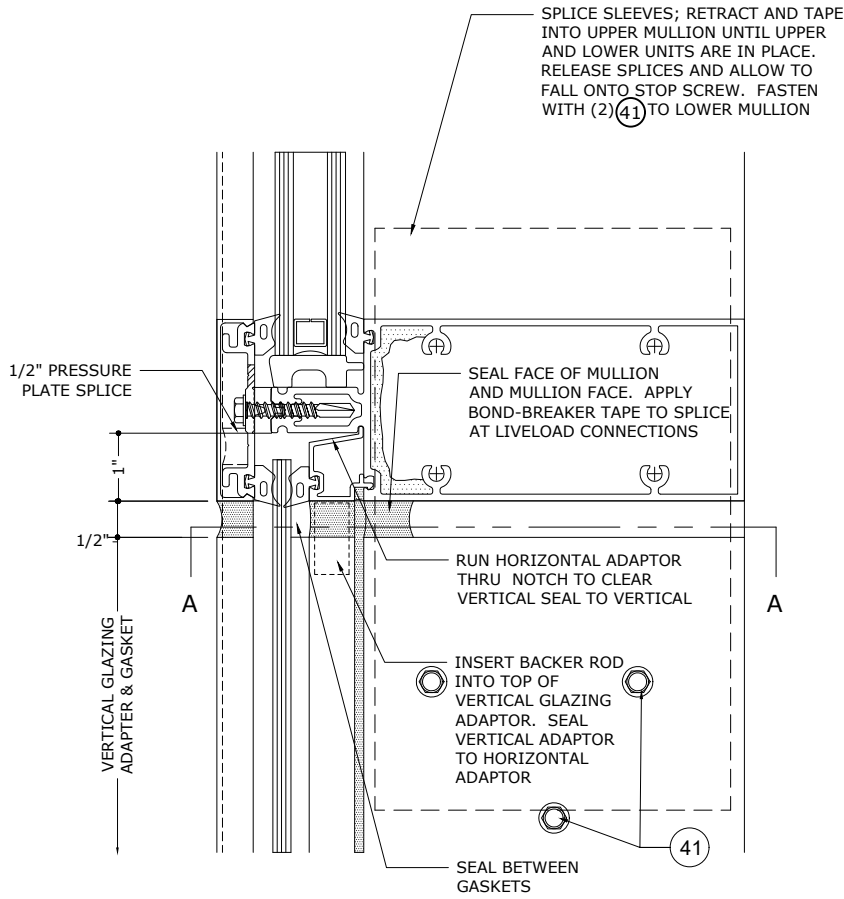
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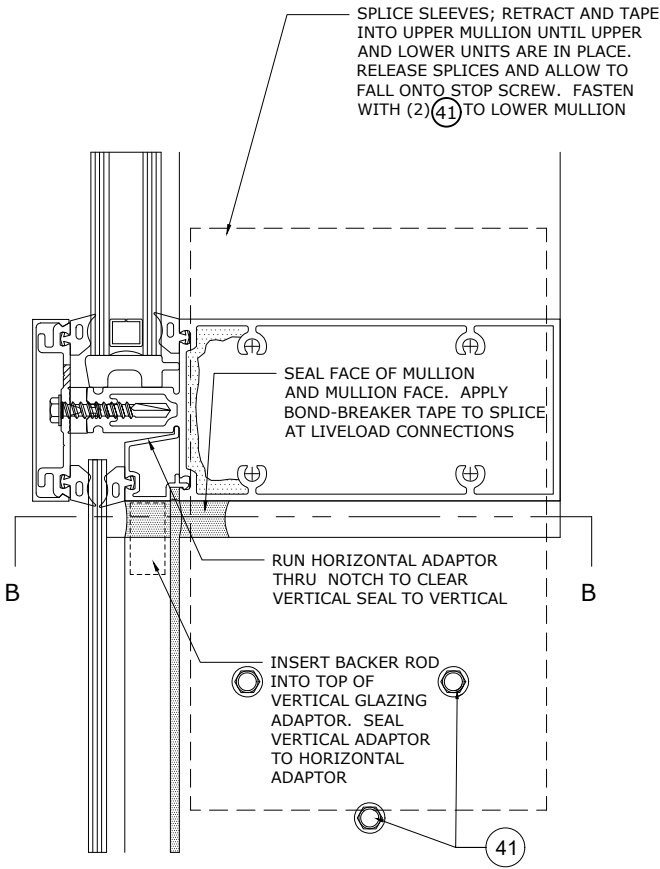
SECTION A-A



SECTION B-B



EXPANSION SPLICE
@ CAPTURED MULLION



EXPANSION SPLICE
@ SSG MULLION

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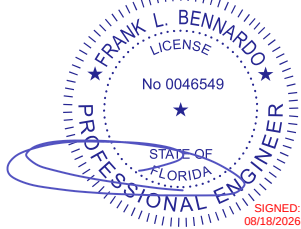
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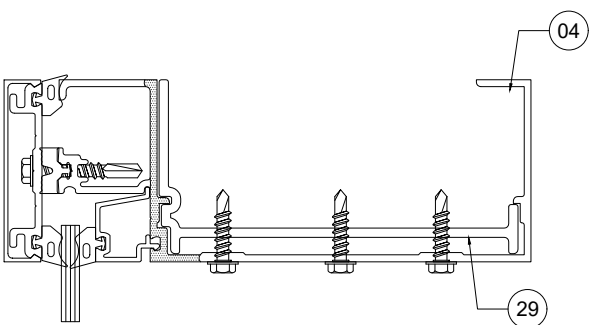
JAMB AND STANDARD MULLION SPLICE DETAILS

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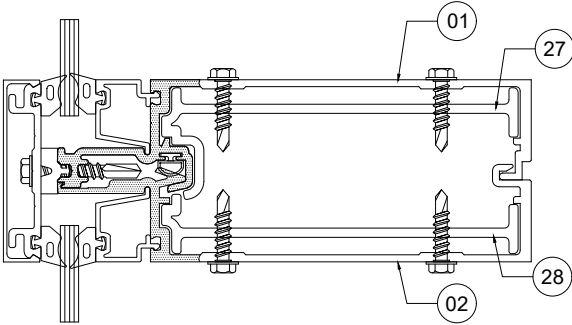
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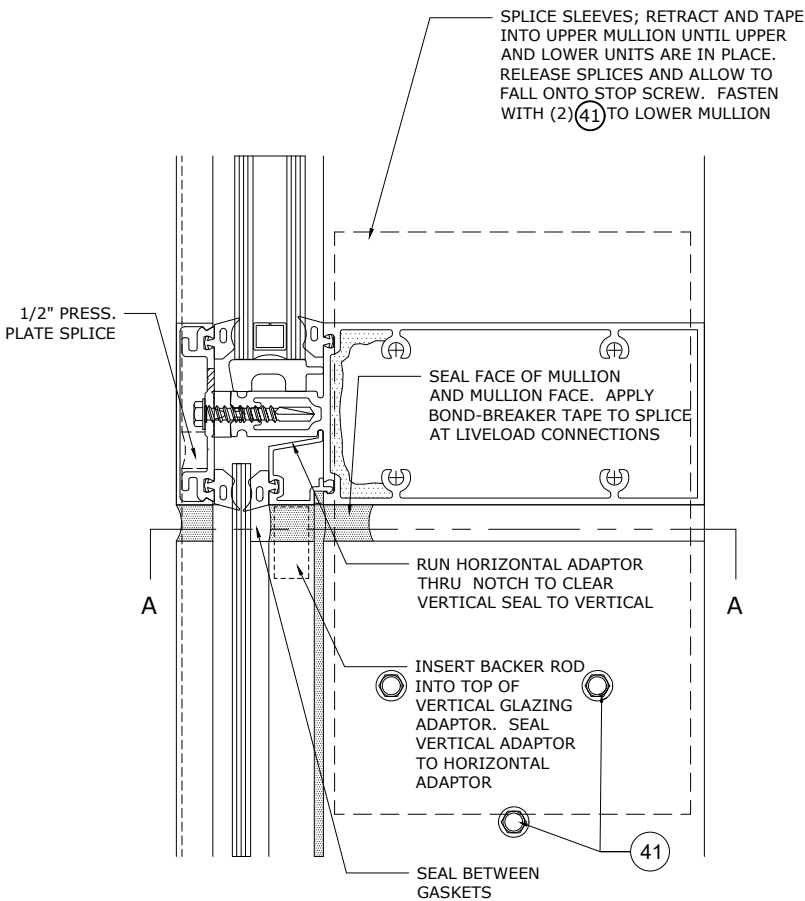
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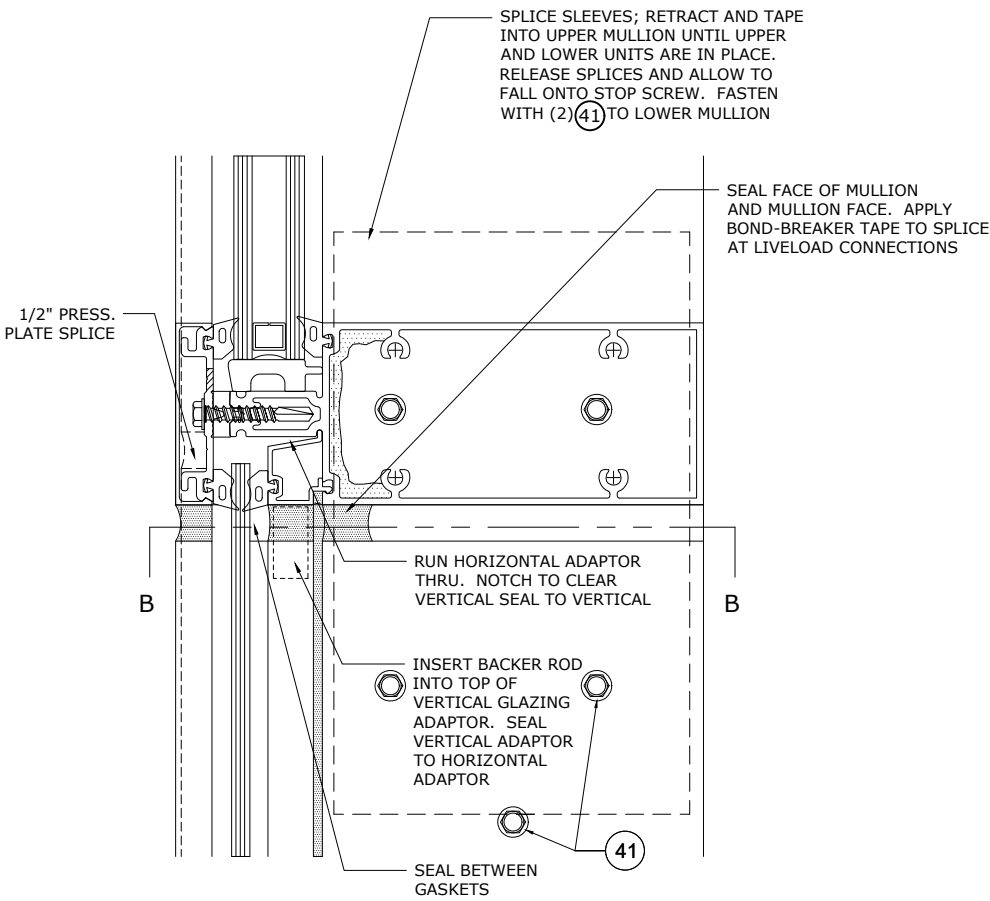
SECTION A-A



SECTION B-B



EXPANSION SPLICE
@ JAMB MULLION



HARD SPLICE
@ CAPTURED MULLION
(JAMB SIM.)

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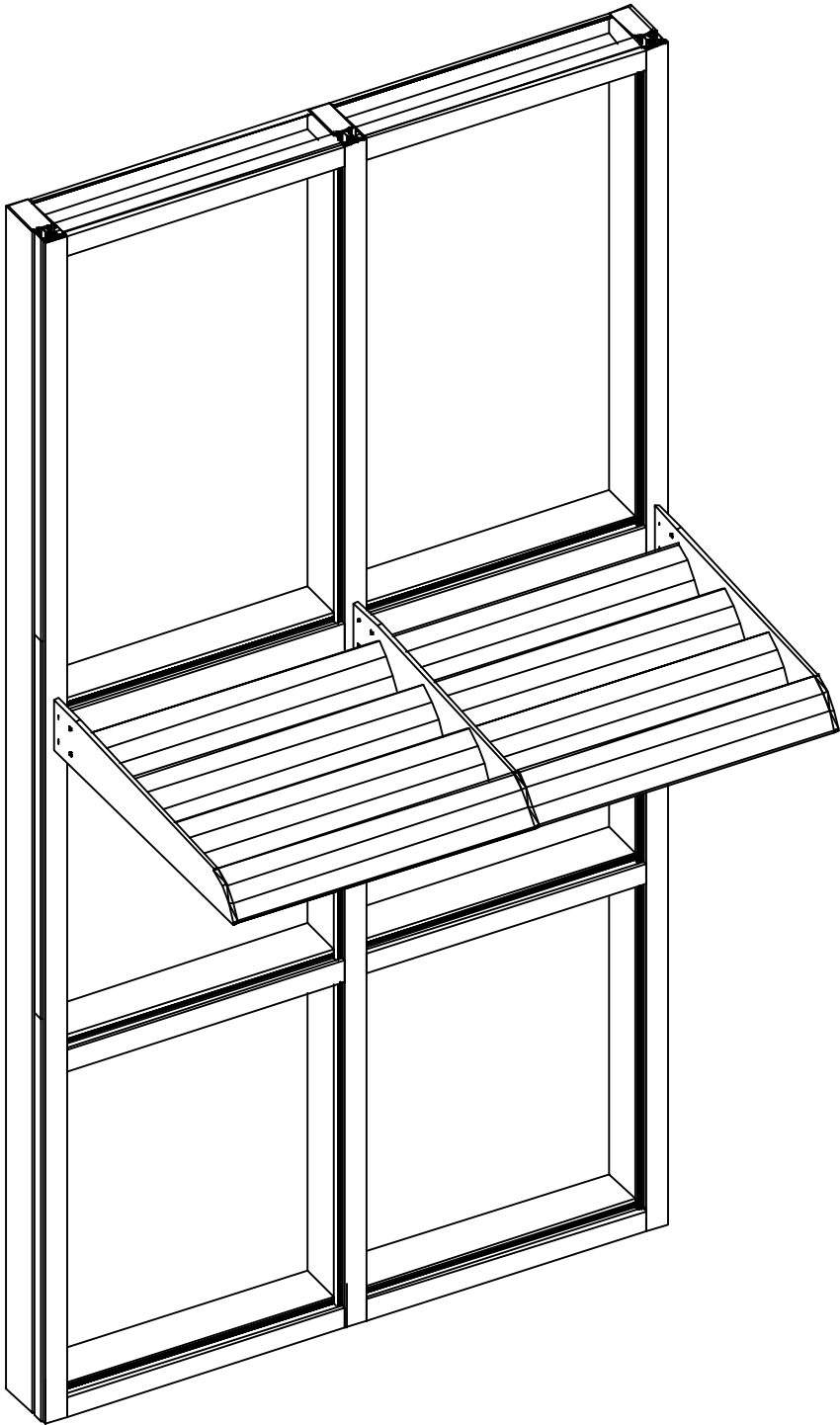
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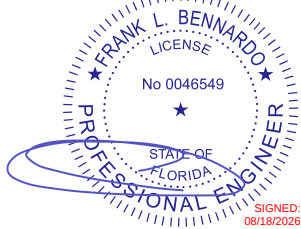
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SUNSHADE OPTION



NOTE: OPTIONAL SUNSHADES IN NON-HVHZ
CONDITIONS CAN BE USED BASED ON SITE
SPECIFIC ENGINEERING.

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RELIANCE SS CURTAIN WALL SYSTEM COMPONENTS

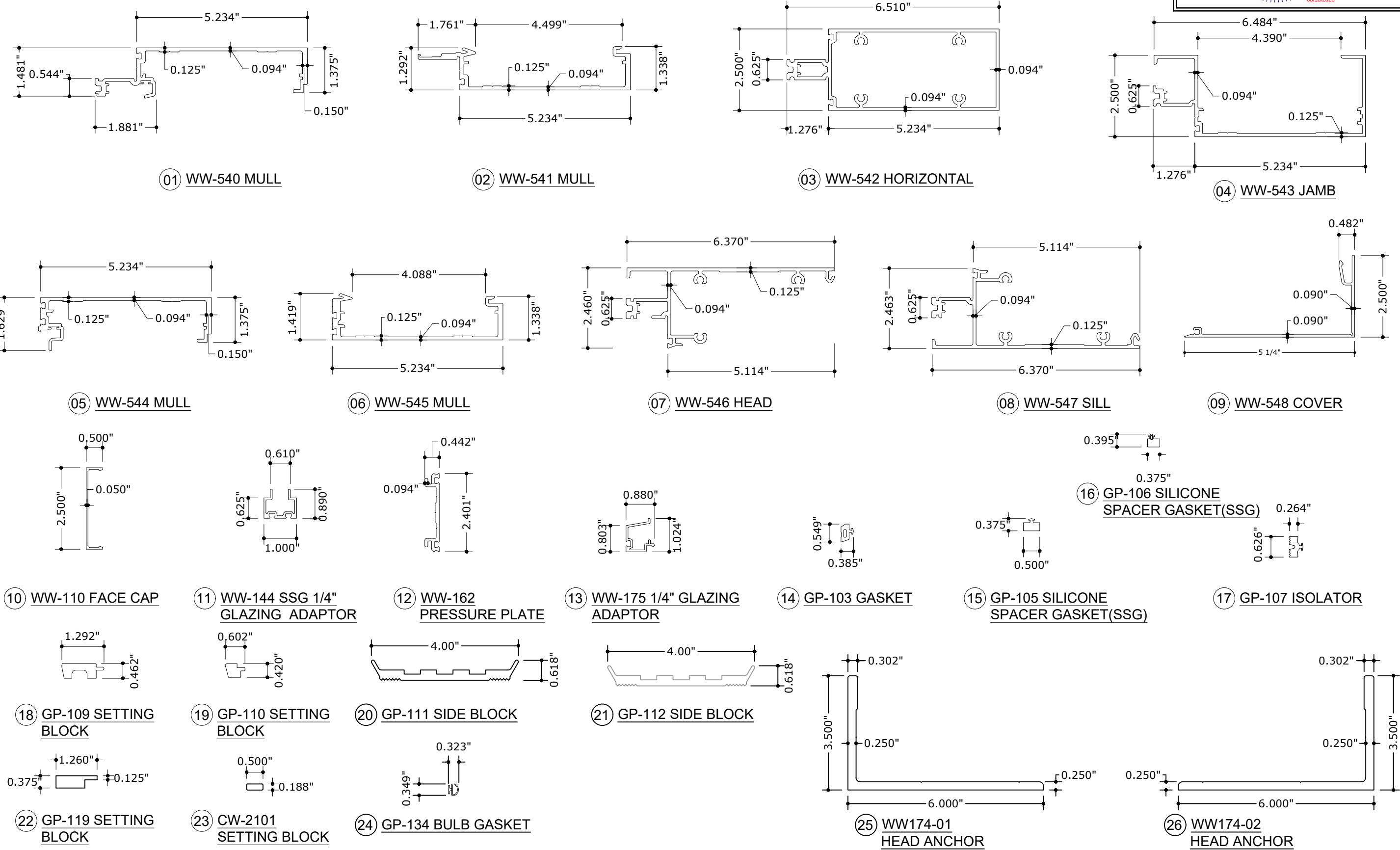
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RELIANCE SS CURTAIN WALL SYSTEM COMPONENTS

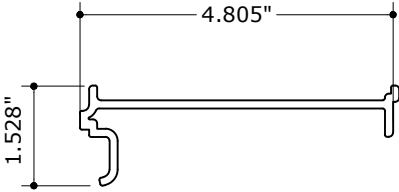
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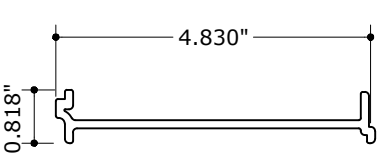
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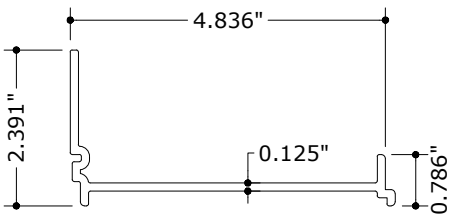
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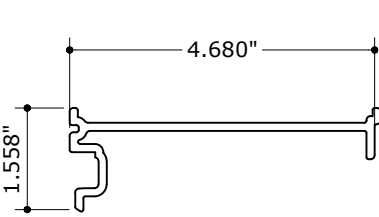
27 WW-250-01
SPLICE FOR WW-540



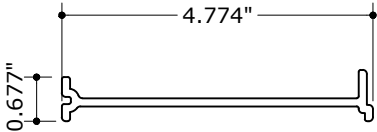
28 WW-251-01
SPLICE FOR WW-541



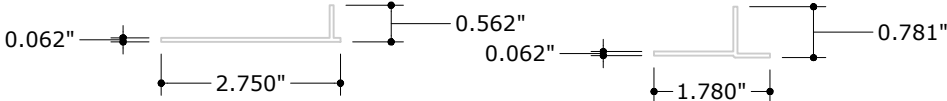
29 WW-253-01
SPLICE FOR WW-543



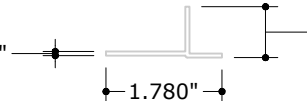
30 WW-254-01
SPLICE FOR WW-544



31 WW-255-01
SPLICE FOR WW-545



34 WW-338-01
JAMB MULLION END CAP



35 WW-355-01
MULLION END CAP



36 FS-8
HORIZONTAL TO
MULLION ASSEMBLY



37 FS-56
SSG MULLION
ASSEMBLY



38 FS-119
1/4" SSG ADAPTOR
ASSEMBLY



39 FS-202
END CAP TO MULLION
FASTENER



40 FS-320
JAMB MULLION
END CAP FASTENER



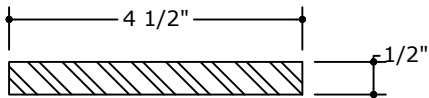
41 FS-322
SPLICE ATTACHMENT



42 FS-323
STEEL ATTACHMENT
FASTENER



43 FS-325
PRESSURE PLATE
FASTENER



44 RS-7
STEEL BAR

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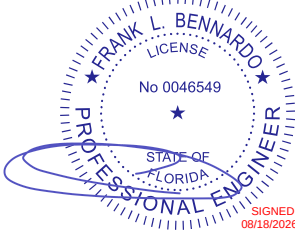
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BILL OF MATERIALS				
ITEM NO.	PART NUMBER	DESCRIPTION	DIMENSIONS	MATERIAL
1	WW-540	MULLION	1.375" x 6.51" x .094"	6063-T6 ALUMINUM
2	WW-541	MULLION	1.338" x 6.51" x .094"	6063-T6 ALUMINUM
3	WW-542	INTERMEDIATE HORIZONTAL	2.50" x 6.51" x .094"	6063-T6 ALUMINUM
4	WW-543	JAMB MULLION	2.50" x 6.51" x .094"	6063-T6 ALUMINUM
5	WW-544	SSG MULLION	1.629" x 5.234" x .094"	6063-T6 ALUMINUM
6	WW-545	SSG MULLION	1.419" x 5.234" x .094"	6063-T6 ALUMINUM
7	WW-546	HEAD HORIZONTAL	2.463" x 6.355" x .094"	6063-T6 ALUMINUM
8	WW-547	SILL HORIZONTAL	2.463" x 6.355" x .094"	6063-T6 ALUMINUM
9	WW-548	HEAD & SILL TRIM	2.50" x 5.218" x .090"	6063-T5 ALUMINUM
10	WW-110	FACE CAP	2.50" x .5" x .050"	6063-T5 ALUMINUM
11	WW-144	SSG 1/4" GLAZING ADAPTOR	1.00" x .890" x .060"	6063-T5 ALUMINUM
12	WW-162	PRESSURE PLATE	2.401" x .442" x .094"	6063-T6 ALUMINUM
13	WW-175	1/4" GLAZING ADAPTOR	.871" x .74" x .060"	6063-T5 ALUMINUM
14	GP-103	GASKET	.485" x .561"	EPDM 60 DUROMETER
15	GP-105	SSG SPACER GASKET	.375" x .500"	EPDM 70 DUROMETER
16	GP-106	SSG SPACER GASKET	.395" x .375"	EPDM 70 DUROMETER
17	GP-107	ISOLATOR GASKET	.626" x .449"	EPDM 70 DUROMETER
18	GP-109	SETTING BLOCK FIELD GLAZE (1")	.438" x 1.296" x 4" LG.	EPDM 85 DUROMETER
19	GP-110	SETTING BLOCK FIELD GLAZE (1/4")	.438" x .591" x 4" LG.	EPDM 85 DUROMETER
20	GP-111	SIDE BLOCK (1")	.618" x 4.00" x 1.25" LG.	EPDM 60 DUROMETER
21	GP-112	SIDE BLOCK (1/4")	.618" x 4.00" x .500" LG.	EPDM 60 DUROMETER
22	GP-119	SETTING BLOCK SHOP GLAZE (1")	1.449" x .431" x 4" LG.	SCR-900
23	CW-2101	SETTING BLOCK SHOP GLAZE (1/4")	.188" x .500" x 4" LG.	EPDM 85 DUROMETER
24	GP-134	MULLION BULB GASKET	.350" x .312"	SANTOPRENE
25	WW174-01	ANCHOR FOR WW-540/WW-541	3.50" x 6.00" x 4.906 LG.	6063-T6 ALUMINUM
26	WW174-02	ANCHOR FOR WW-544/WW-545	3.50" x 6.00" x 4.781 LG.	6063-T6 ALUMINUM
27	WW250-01	LEFT MULLION SPLICE FOR WW-540	1.537" x 4.90" x .125" x 8" LG.	6063-T6 ALUMINUM
28	WW251-01	RIGHT MULLION SPLICE FOR WW-541	.818" x 4.90" x .125" x 8" LG.	6063-T6 ALUMINUM
29	WW253-01	JAMB MULLION SPLICE FOR WW-543	2.391" x 4.986" x .125" x 8" LG.	6063-T6 ALUMINUM
30	WW254-01	LEFT MULLION SPLICE FOR WW-544	1.589" x 4.774" x .125" x 8" LG.	6063-T6 ALUMINUM
31	WW255-01	RIGHT MULLION SPLICE FOR WW-545	.77" x 4.774" x .125" x 8" LG.	6063-T6 ALUMINUM
32	WW-300	ZONE BRIDGE - SSG	.860" x 2.737" x 1.395"	ABS PLASTIC
33	WW-302	ZONE PLUG - CAPTURED	1.061" x 1.434" x .885"	ABS PLASTIC
34	WW338-01	JAMB MULLION END CAP	.562" x 2.750" x 1.625" LG.	6063-T6 ALUMINUM
35	WW-355-01	MULLION END CAP	.781" x 1.780" x 4" LG.	6063-T5 ALUMINUM
36	FS-8	HORIZONTAL TO MULLION ASSEMBLY	#14 X 1" SLOTTED HEX HEAD	STEEL, DACROMET
37	FS-56	SSG MULLION ASSEMBLY	#10 X 1/2" PHILLIPS PAN HEAD	STAINLESS STEEL
38	FS-119	1/4" SSG ADAPTOR ASSEMBLY	#10 X 1-3/8" PHILLIPS FLAT HEAD	STAINLESS STEEL
39	FS-202	END CAP TO MULLION FASTENER	#8 X 1/2" PAN HEAD	STEEL
40	FS-320	JAMB MULLION END CAP FASTENER	#8 X 3/8" PHILLIPS ROUND HEAD	STEEL
41	FS-322	SPLICE ATTACHMENT	#12-14 X 1" HEX HD DRILL FLEX	STEEL
42	FS-323	STEEL ATTACHMENT FASTENER @12" O.C.	#12 X 1" PHILLIPS FLAT HEAD	STEEL
43	FS-325	PRESSURE PLATE FASTENER @ 9" O.C.	#12-24 X 1.343" HEX HD DRILL FLEX	STEEL
44	RS-7	STEEL BAR	1/2" X 4-1/2" STEEL BAR	A36 STEEL
45	-	HH TYPE F BOLT	3/4-10x 4 1/2"	STEEL
46	-	JAMB TAP PLATE	0.250x 4.00x 6.00 LONG	A-36 STEEL
47	-	KOROLATH SHIM	.031 SHIM BETWEEN ANCHOR & MULLION	-

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