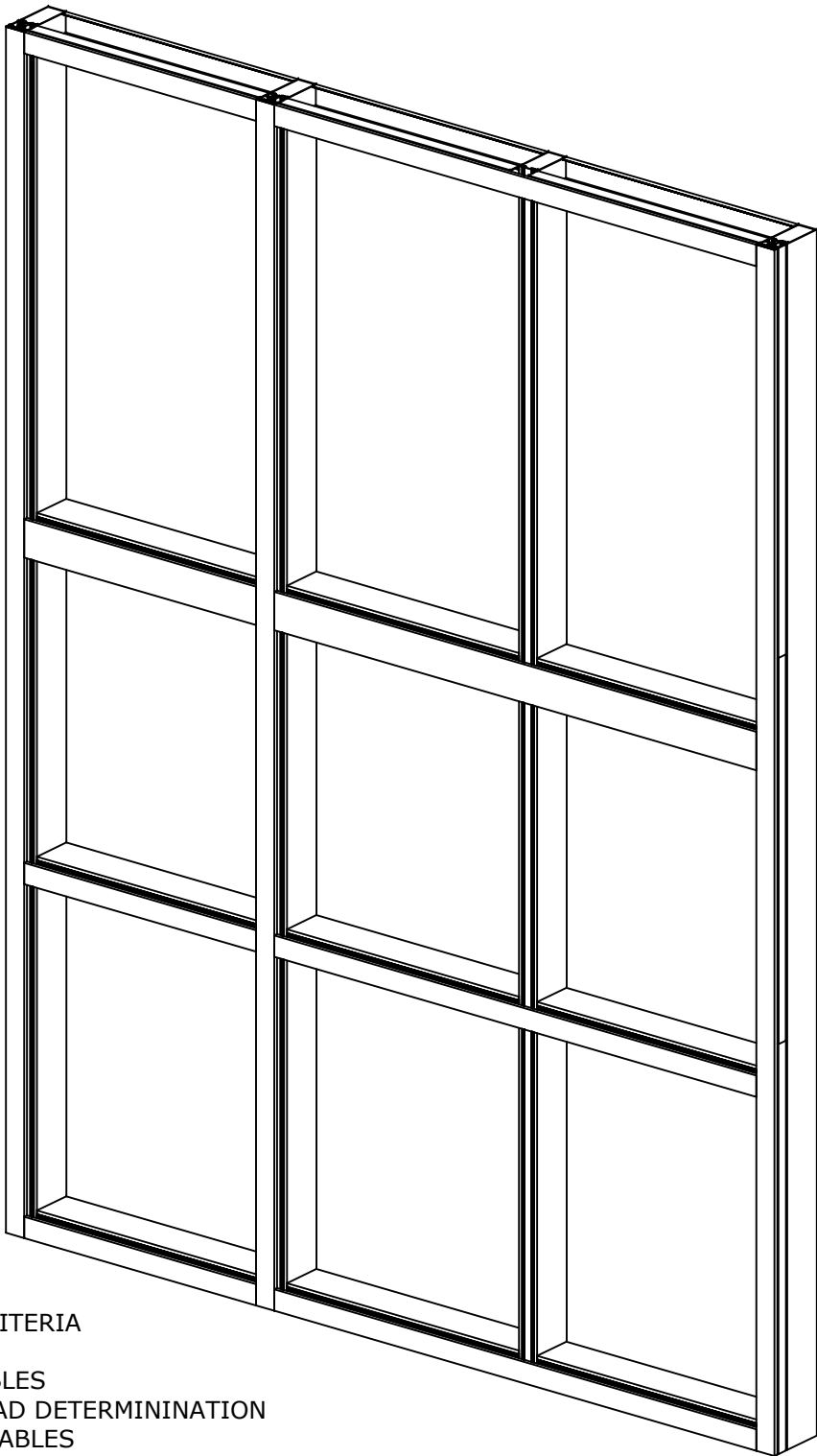


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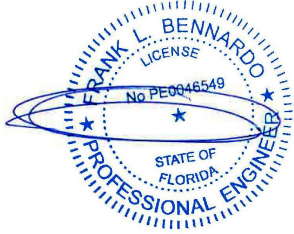


INDEX

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FRANK BENNARDO, PE
PE# 0046549 CA# 9885



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NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. THIS PRODUCT EVALUATION IS VALID FOR USE IN **FLORIDA ONLY**. USE IN FLORIDA OR ANY OTHER STATE SHALL REQUIRE A REVIEW & CERTIFICATION BY A REGISTERED DESIGN PROFESSIONAL LICENSED IN THAT STATE, WHO SHALL BE RESPONSIBLE FOR THE CONTENT & PROPER ADAPTATION OF THIS GENERAL PERFORMANCE EVALUATION TO ANY SITE-SPECIFIC PROJECT. CONTACT THIS OFFICE FOR ASSISTANCE WITH YOUR PROJECT NEEDS.

GENERAL NOTES:

- THE SYSTEM AND GLASS TYPES DESCRIBED HEREIN COMPLY AND HAVE BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 8TH EDITION (2023) PER
 - ASTM E330, E331, E283
 - AAMA 501
 - ANSI Z97.1 (400 ft-lb. IMPACT)
 - ALUMINUM DESIGN MANUAL 2015, ASCE 7-22
- FOR USE **OUTSIDE** THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- GLASS UNIT(S) SHALL ME THE REQUIREMENTS OF ASTM E-1300.
- DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
- THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR.WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- FASTENERS SHALL BE CADMIUM-PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION J.3.7.2 BY THE ALUMINUM ASSOCIATION, INC., & ANY APPLICABLE FEDERAL, STATE, AND/OR LOCAL CODES.
- REFER TO FASTENER MANUFACTURER'S PUBLISHED DATA SHEETS AND RECOMMENDATIONS FOR FASTENER INSTALLATION INSTRUCTIONS.
- ENGINEER SEAL AFFIXED HERETO VALIDATE STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- PRESSURE VALUES ON THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES.
- ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
- SAFEGUARDS MUST BE OBSERVED (NOT IN THIS CERTIFICATION)
- IF SLOPED GLAZING IS NEEDED, IT SHALL BE ALLOWED UNDER SITE SPECIFIC ENGINEERING. DESIGN MUST BE CHECKED AND APPROVED BY A PROFESSIONAL ENGINEER AND THE MANUFACTURER(S).
- UNITS SHALL BE LABELED IN ACCORDANCE WITH THE FLORIDA BUILDING COMMISSION AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATION.

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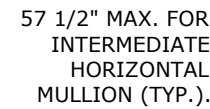
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FOR SITE-SPECIFIC DEVIATIONS
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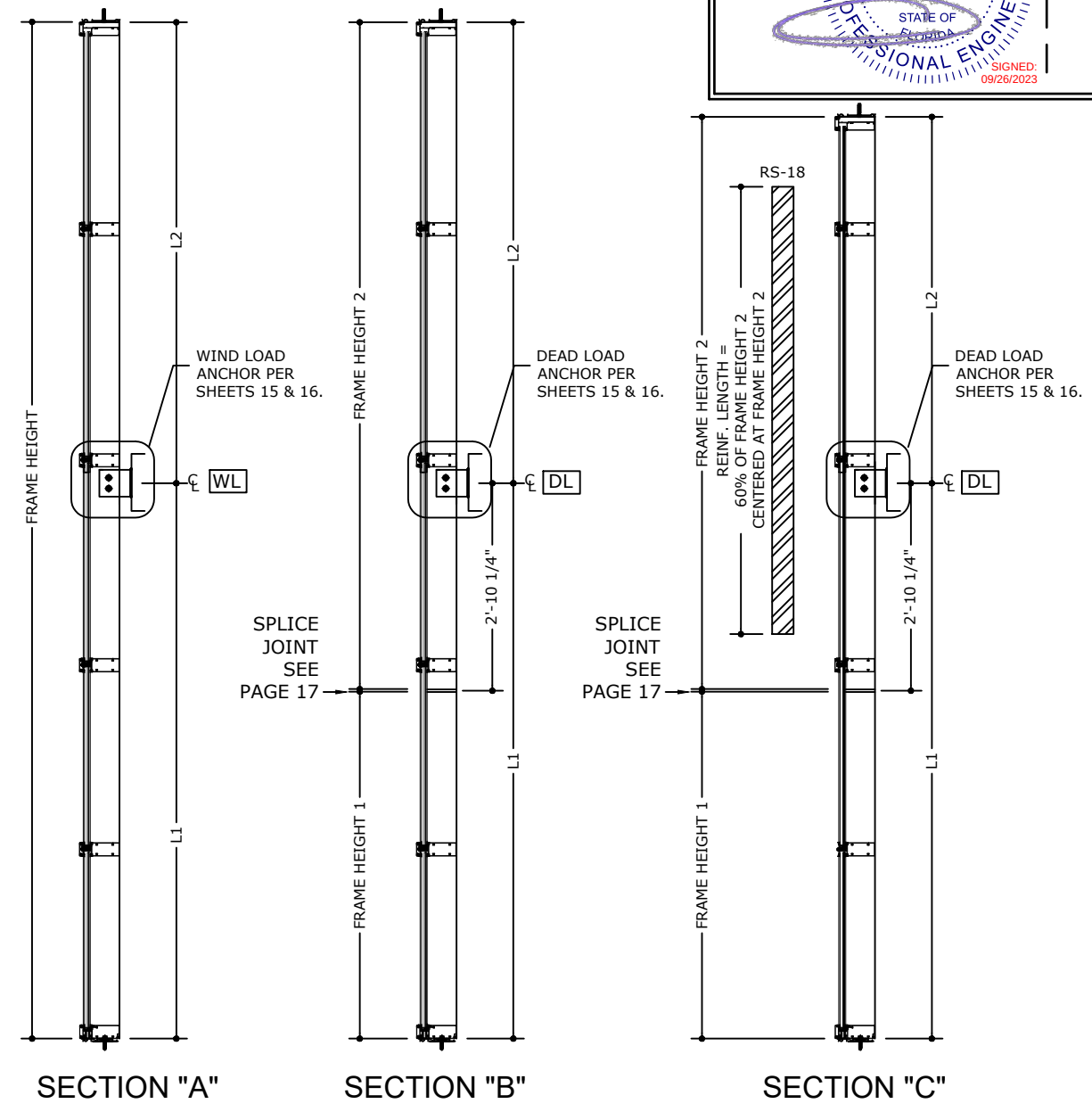
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SEE ANCHORING PAGE
FOR ANCHOR
TYPE, QUANTITY AND
SPACING @ HEAD &
SILL CONNECTIONS

TYPICAL CURTAINWALL ELEVATION



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STEP ①: USE THE GLASS LOADING TABLES TO DETERMINE THE ALLOWABLE PRESSURE OF THE GLASS.

STEP ②: USE THE MULLION LOADING TABLE TO DETERMINE THE ALLOWABLE PRESSURES FOR THE MULLIONS

NOTE: TO DETERMINE THE LOADS OF THE MULLIONS, SEE DIAGRAM ON PAGE 5

NOTE: FOR TWIN SPANS, BOTH MULLIONS SPANS NEED TO BE LOOKED UP IN THE MULLION LOADING TABLES AND THE MINIMUM PRESSURE SHALL GOVERN.

STEP ③: THE MINIMUM VALUE BETWEEN STEP ① AND STEP ② WILL DETERMINE THE DESIGN LOAD PRESSURE FOR THE CURTAIN WALL SYSTEM.

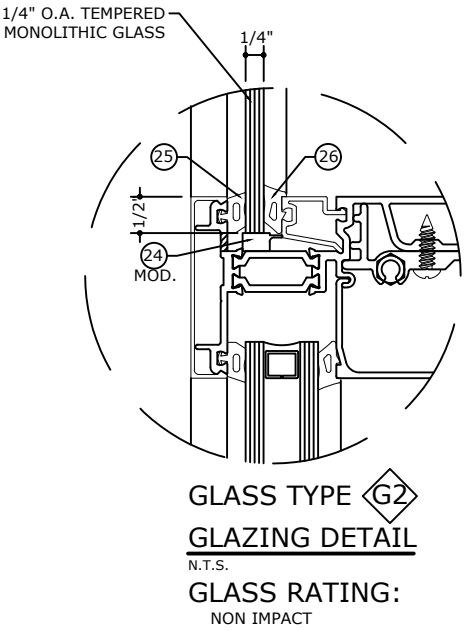
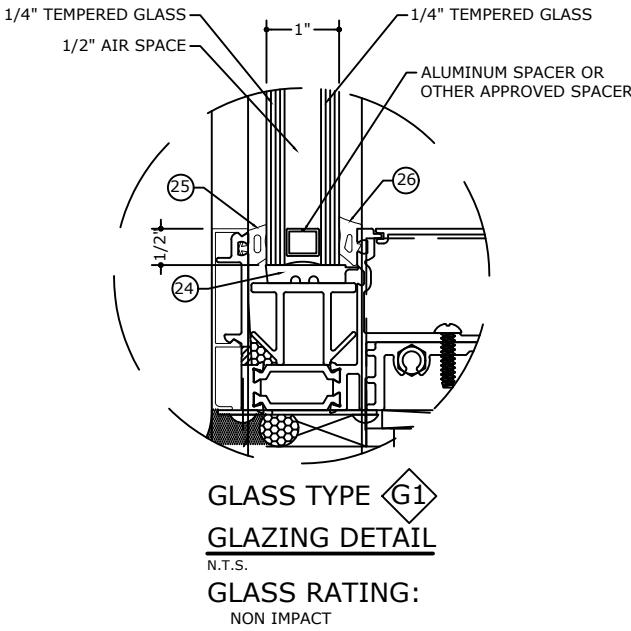
MAX. DESIGN PRESSURE: +40 / -40 P.S.F.

WATER RESISTANCE PER ASTM E331= 15 P.S.F.

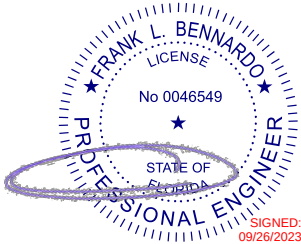
NOTE:
L1+ L2 SHALL NOT EXCEED
324" IN LENGTH

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GLASS TYPES



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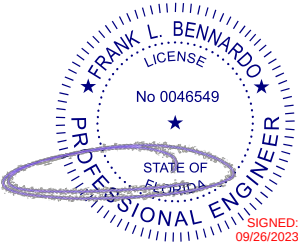
GLASS LOADING TABLES

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

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

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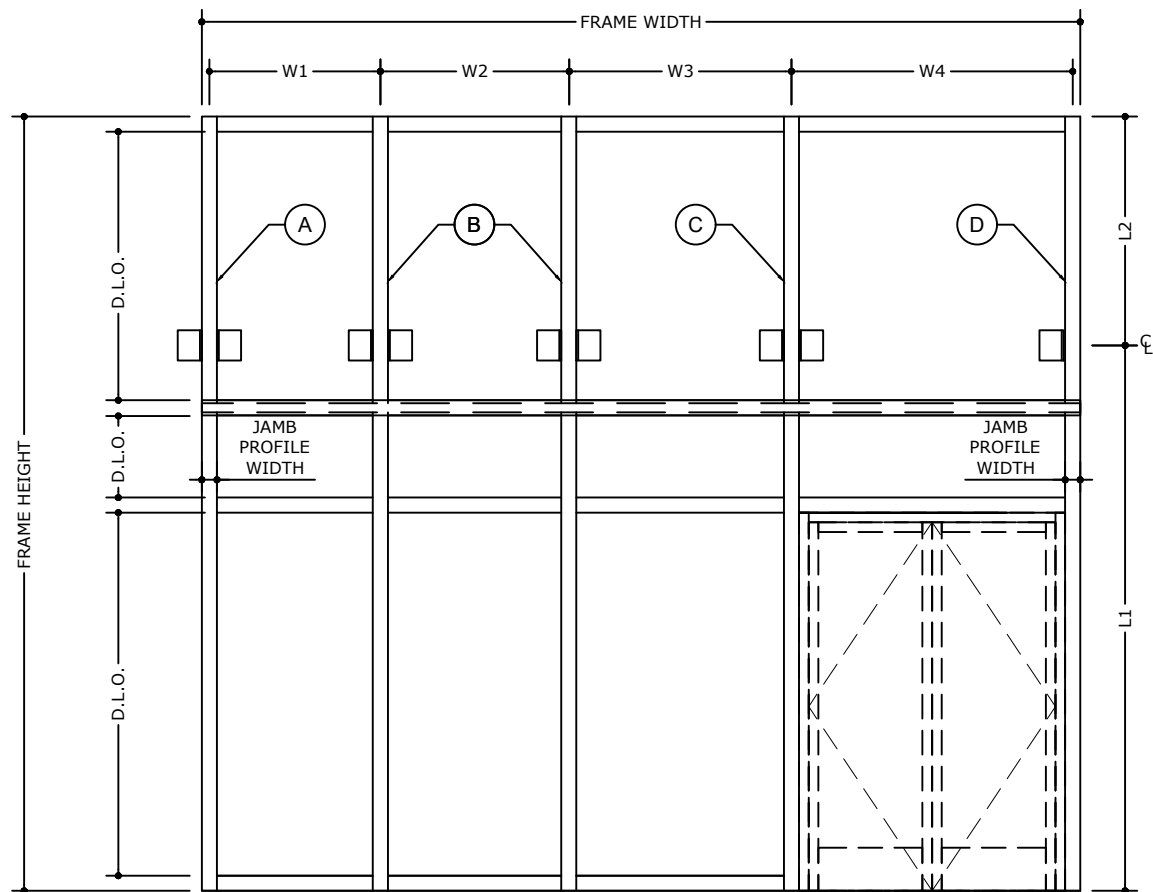
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TWIN SPAN MULLION DETERMINATION LOAD



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 = $\frac{W3 + W4}{2}$

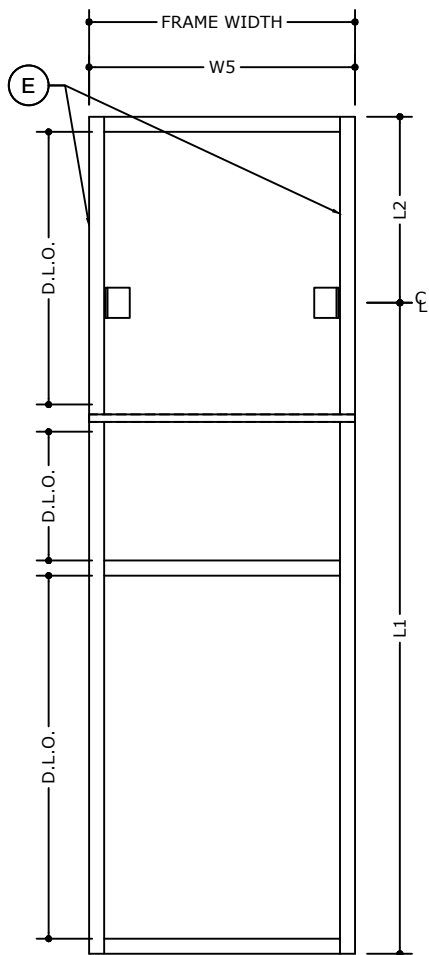
(FOR DOOR INTERMEDIATE MULLION)

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.



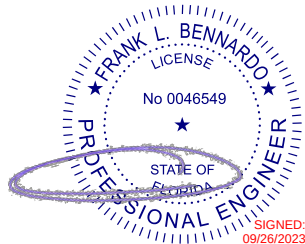
LOAD DETERMINATION

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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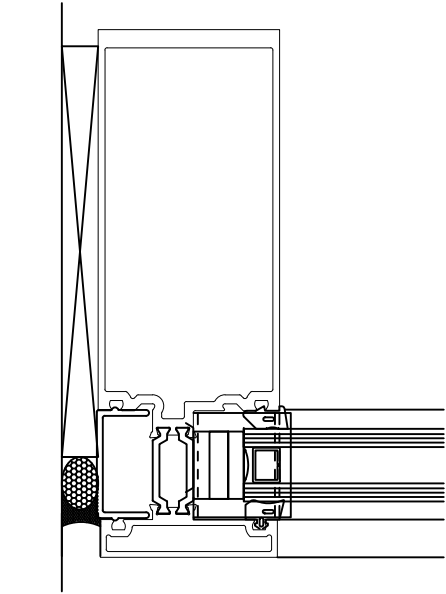
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RELIANCE TC IG CURTAIN WALL MULLIONS

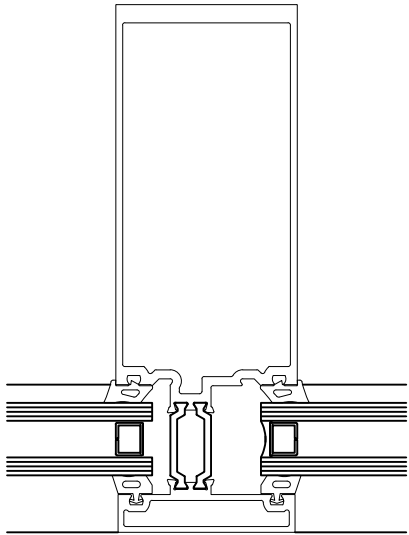
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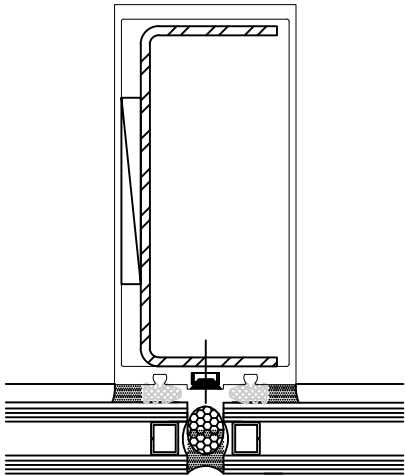
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J1
CONTINUOUS OR
SPLICED JAMB



M1
CONTINUOUS OR
SPLICED MULLION



M2
SPLICED
MULLION

NOTE:
ALL STEEL REINFORCEMENT
MUST BE SHIMMED TIGHT.

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

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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
72	24	40	40	40	40
	30	40	40	40	40
	36	40	40	40	40
	42	40	40	40	40
	48	40	40	40	40
	54	40	40	40	40
	60	40	40	40	40
78	24	40	40	40	40
	30	40	40	40	40
	36	40	40	40	40
	42	40	40	40	40
	48	40	40	40	40
	54	40	40	40	40
	60	40	40	40	40
84	24	40	40	40	40
	30	40	40	40	40
	36	40	40	40	40
	42	40	40	40	40
	48	40	40	40	40
	54	40	40	40	40
	60	40	40	40	40

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
90	24	40	40	40	40
	30	40	40	40	40
	36	40	40	40	40
	42	40	40	40	40
	48	40	40	40	40
	54	40	40	40	40
	60	40	40	40	40
96	24	40	40	40	40
	30	40	40	40	40
	36	40	40	40	40
	42	40	40	40	40
	48	40	40	40	40
	54	40	40	40	40
	60	40	40	40	40
108	24	40	40	40	40
	30	40	40	40	40
	36	40	40	40	40
	42	40	40	40	40
	48	40	40	40	40
	54	40	40	40	40
	60	40	40	40	40

JAMB MULLION LOADING CHART		MULLION TYPE	
		J1	
SPAN (L) (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F
60	24	40	40
	31 1/4	40	40
72	24	40	40
	31 1/4	40	40
84	24	40	40
	31 1/4	40	40
96	24	40	40
	31 1/4	40	40

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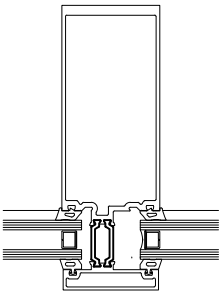
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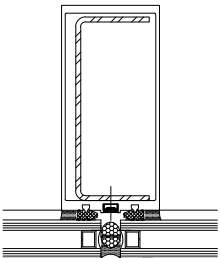
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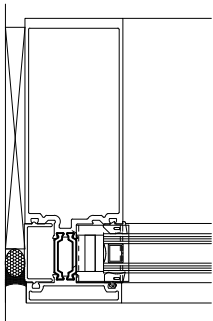
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M1
CONTINUOUS OR
SPliced MULLION
DETAIL 5



M2
SPliced
MULLION
DETAIL 4.2



J1
CONTINUOUS OR
SPliced JAMB
DETAIL 4

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



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JAMB MULLION LOADING CHART		MULLION TYPE	
		J1	
SPAN (L) (in)	TRIBUTARY WIDTH (in)	(+) P.S.F	(-) P.S.F
108	24	40	40
	31 1/4	40	40
120	24	40	40
	31 1/4	40	40
132	24	40	40
	31 1/4	40	40
144	24	40	40
	31 1/4	40	40
156	24	40	40
	31 1/4	40	40
162 3/4	24	40	40
	31 1/4	40	40

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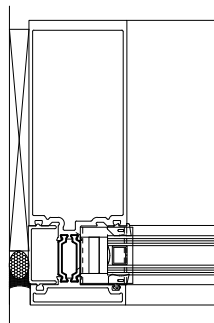
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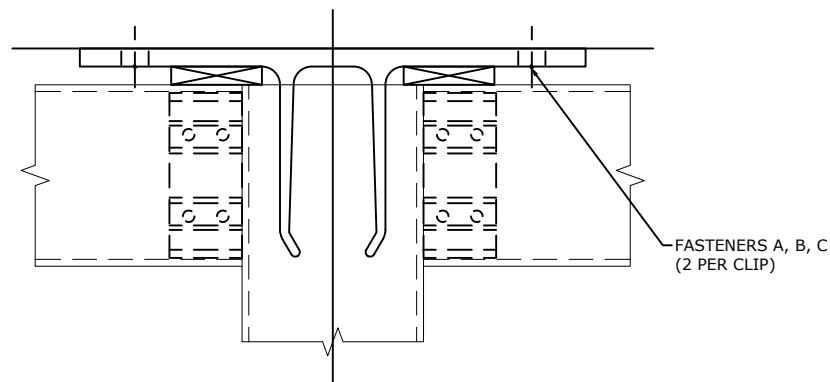
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J1

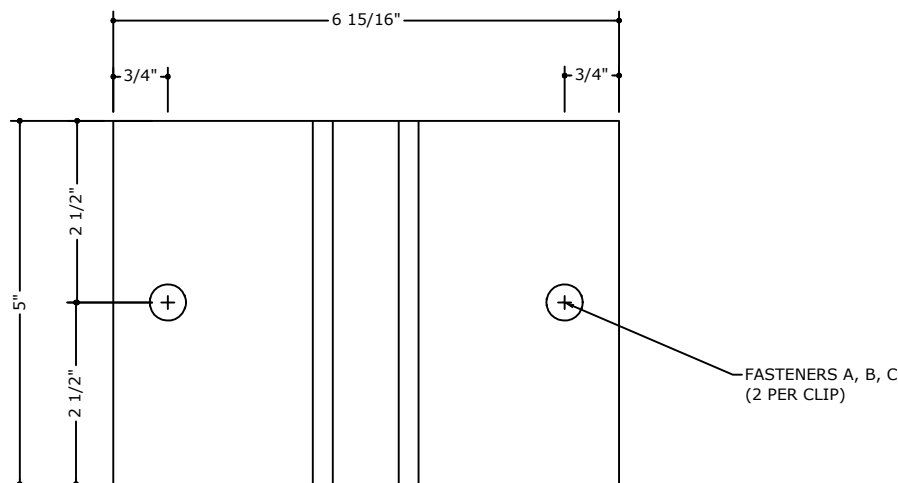
**CONTINUOUS OR
SPLICED JAMB
DETAIL 4**

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

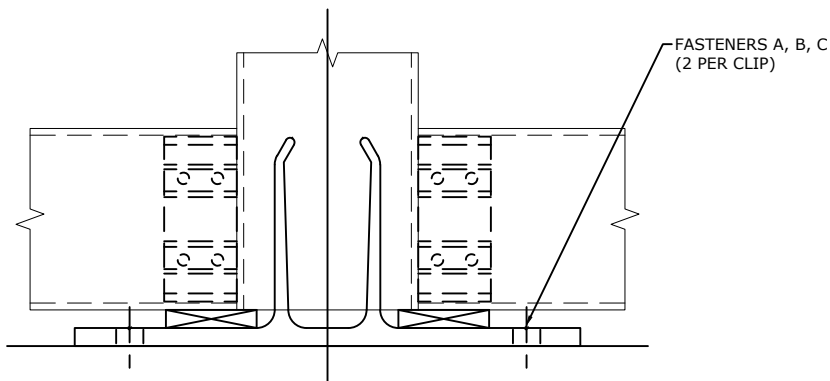
INTERMEDIATE MULLION HEAD/SILL ANCHORAGE



HEAD DETAIL



T ANCHOR CLIP DETAIL



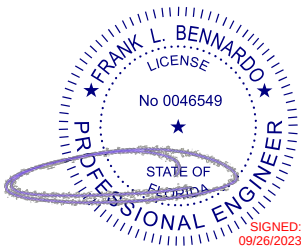
SILL DETAIL

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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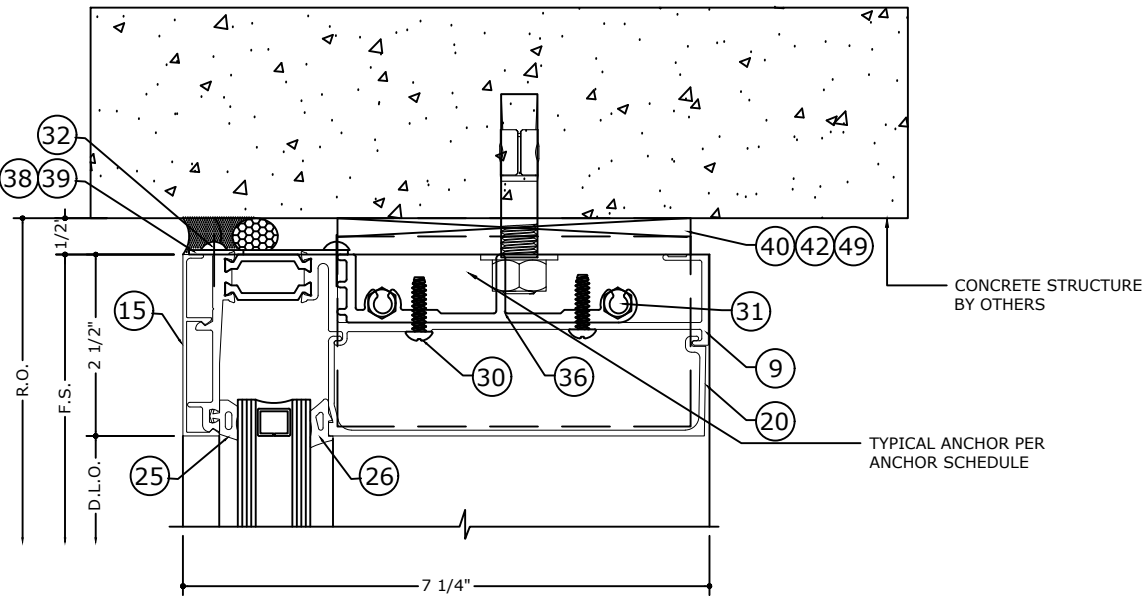


- A - 1/2" Ø DEWALT POWER STUD WEDGE EXPANSION ANCHOR INTO 3000 PSI CONCRETE, 1-5/8" MIN. EMBED. DEPTH & 2-1/2" MIN EDGE DISTANCE
- B - 1/2" Ø - 13 TAPFLEX WITH 3/4" HWH WITH SERRATIONS, GRADE 5 , INTO 1/8" MIN. A-36 STEEL, 16 GA MIN. STUD ASTM A-653 GRADE 33 STEEL OR 1/8" MIN. ALUMINUM 6063-T6 & 1 1/2" 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.

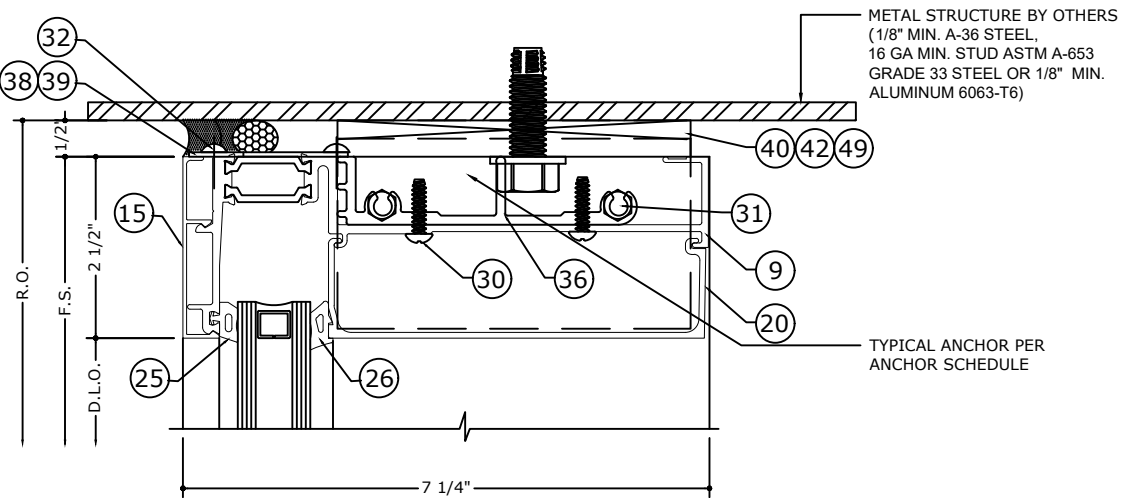


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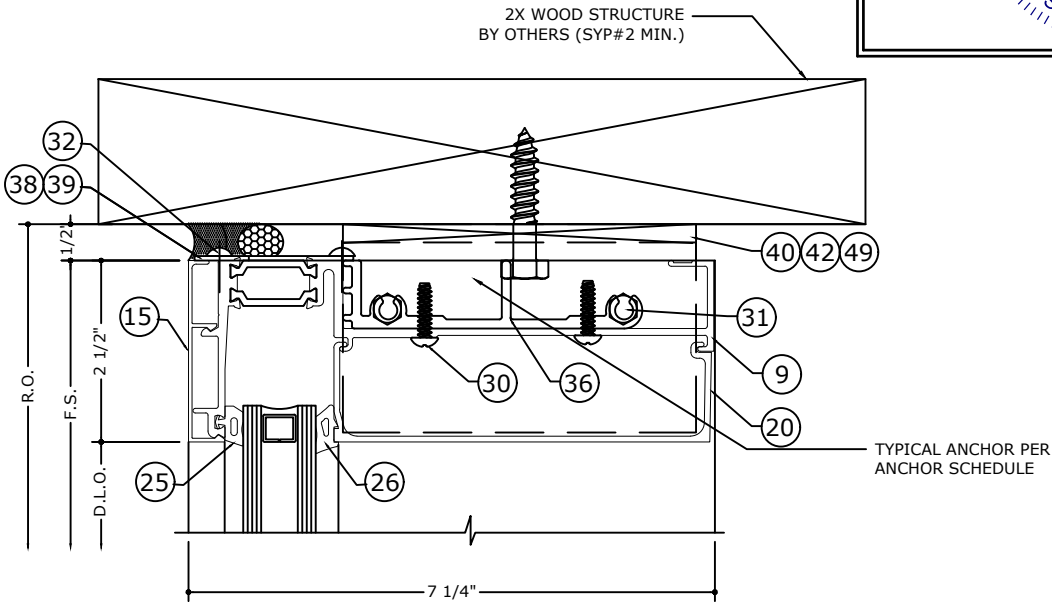
HEAD DETAILS



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

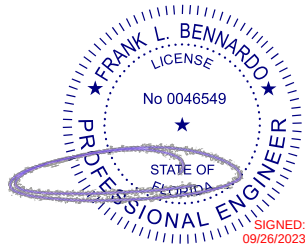


1.2 HEAD DETAIL
SCALE: 6" = 1'-0"



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

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INIT ISSUE			05/23/23				
FBC 2023 UPDATE			08/31/23				

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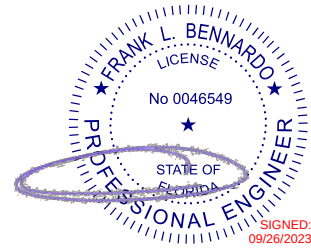
NOTE: REFER TO SYSTEM INSTALLATION MANUAL
FOR FABRICATION AND ASSEMBLY INSTRUCTIONS.

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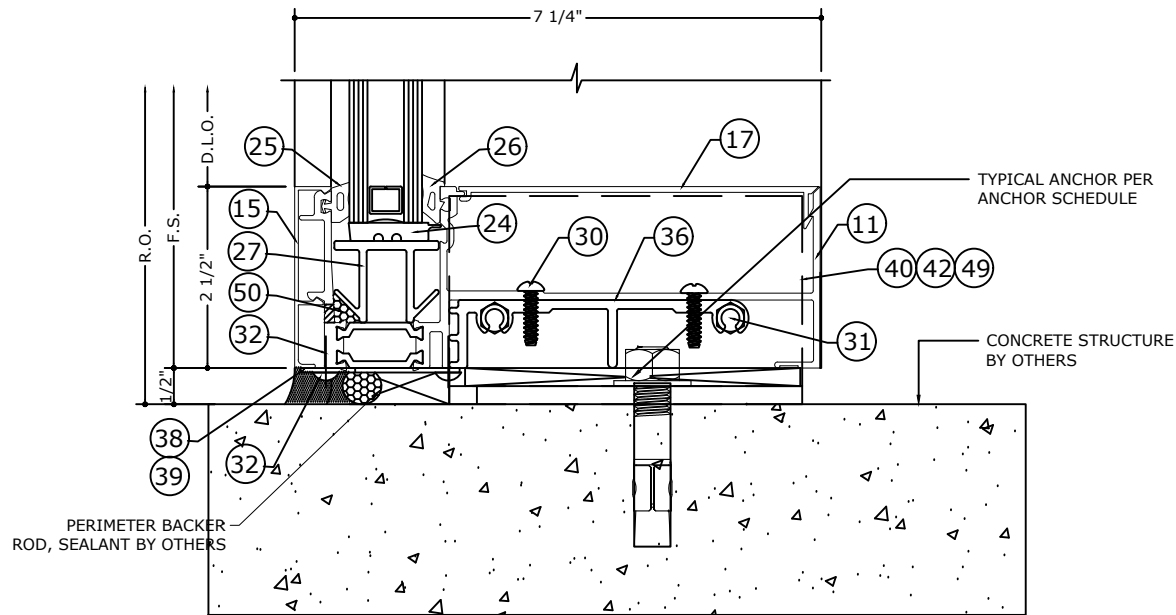
SILL DETAILS

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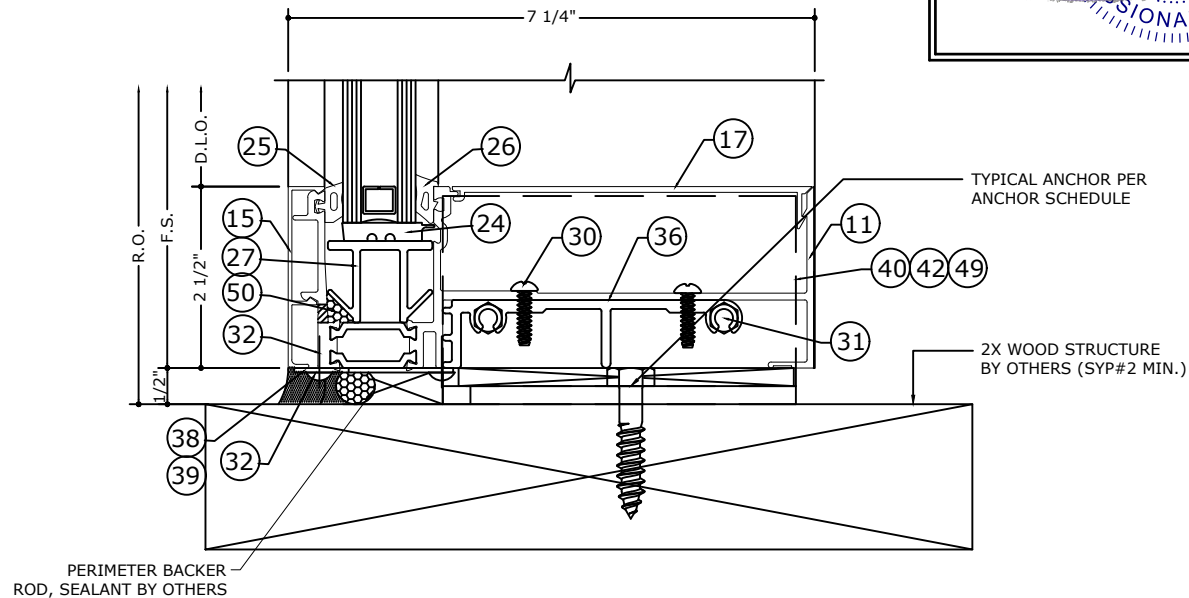
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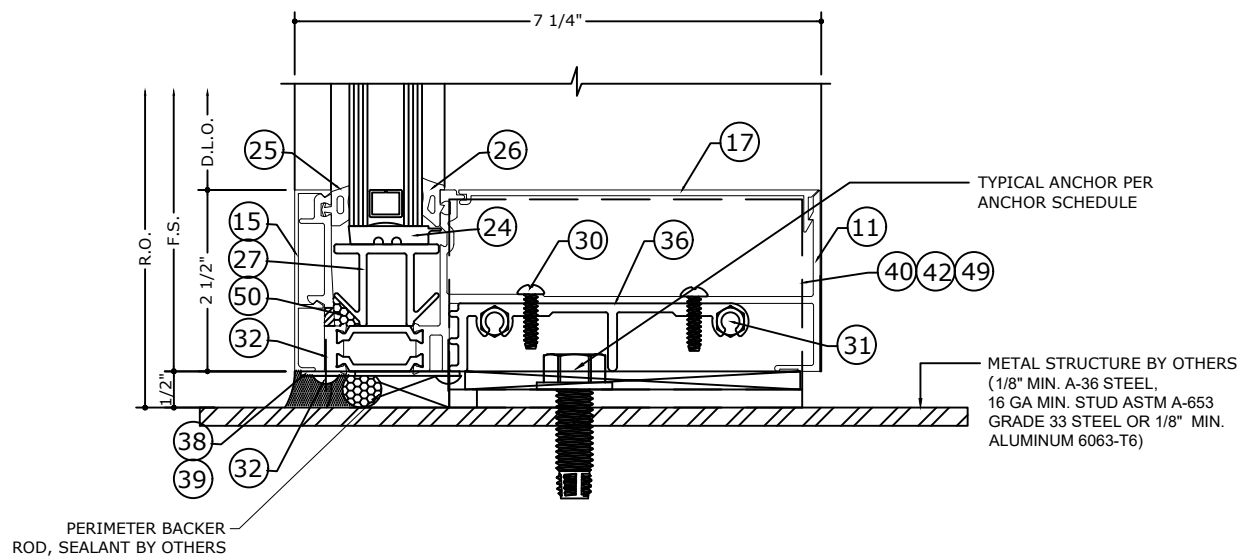
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2 SILL DETAIL
SCALE: 6" = 1'-0"



2.1 SILL DETAIL
SCALE: 6" = 1'-0"



2.2 SILL DETAIL
SCALE: 6" = 1'-0"

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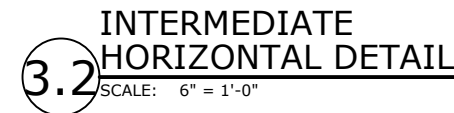
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3 INTERMEDIATE HORIZONTAL DETAIL

SCALE: 6" = 1'-0"



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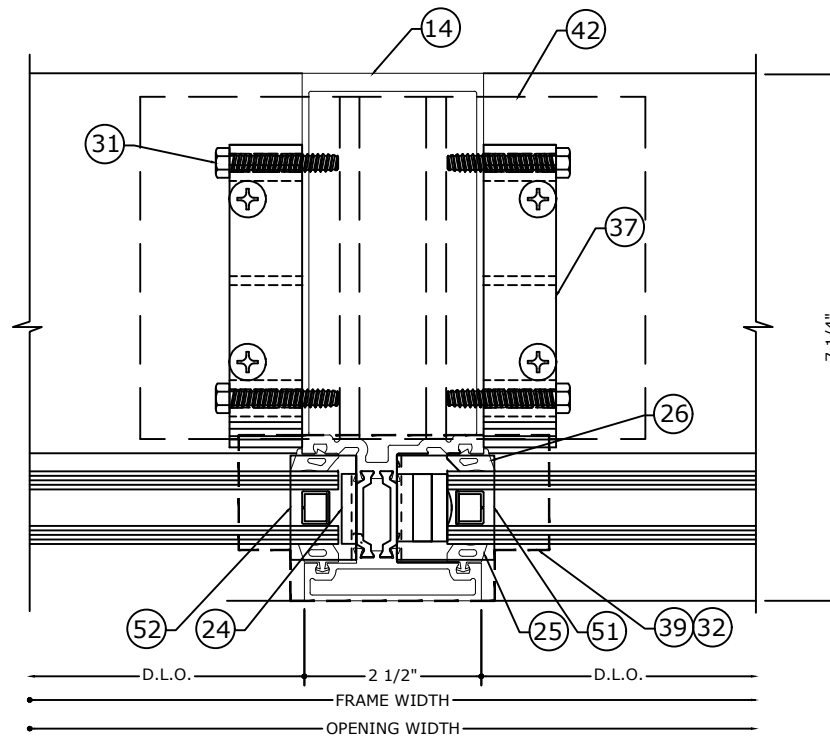
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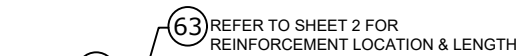
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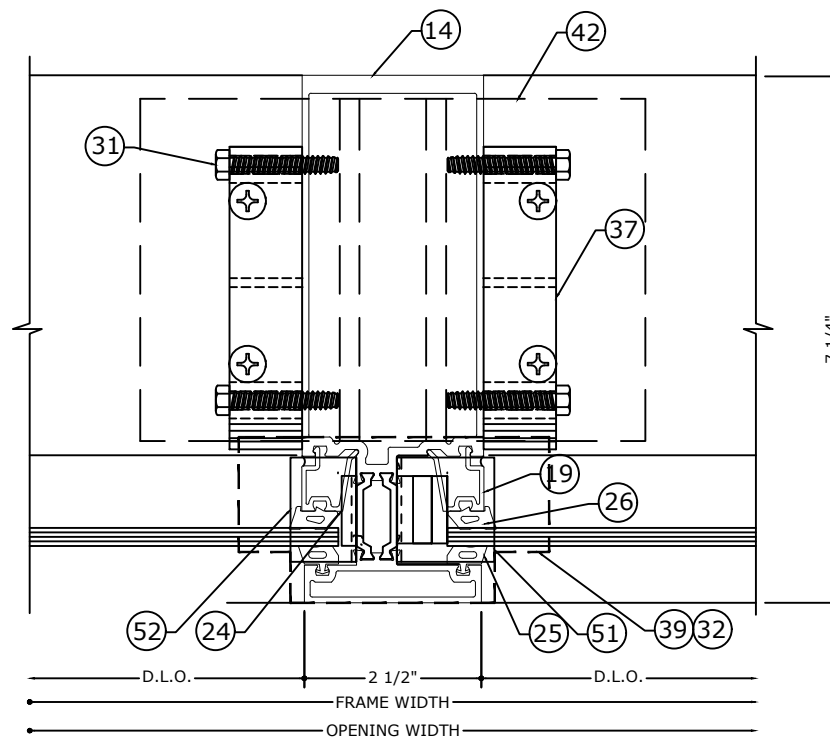
REFER TO SHEET 2
FOR REINFORCEMENT
LOCATION & LENGTH



4.1 **MULLION DETAIL-M1**
SCALE: 6" = 1'-0"



4.2 **MULLION DETAIL-M2**
SCALE: 6" = 1'-0"



4.4 MULLION DETAIL-M1



4.5 MULLION DETAIL-M2

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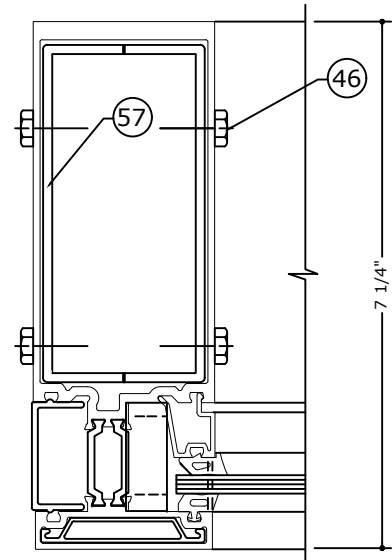
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JAMB AND STANDARD MULLION SPLICE DETAILS

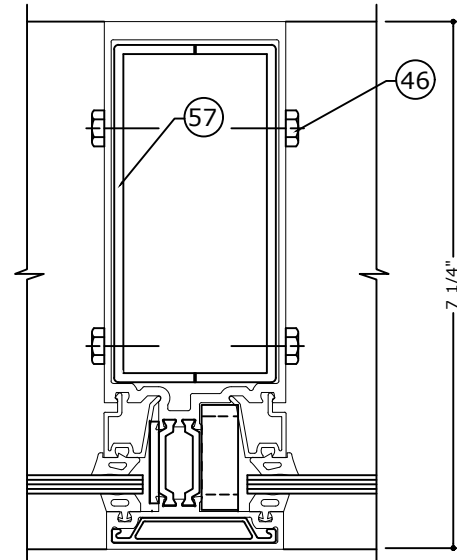
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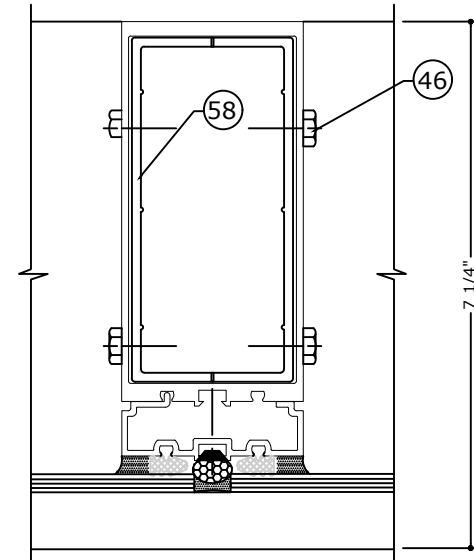
SEPTEMBER 26, 2023



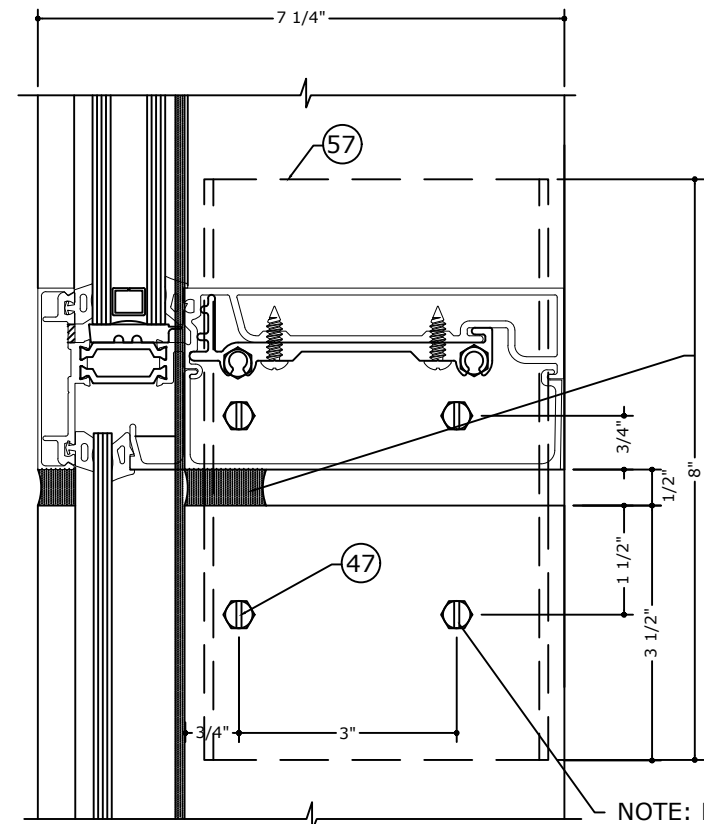
SPLICE JOINT
SCALE: 6" = 1'-0" PLAN VIEW



SPLICE JOINT
SCALE: 6" = 1'-0" PLAN VIEW



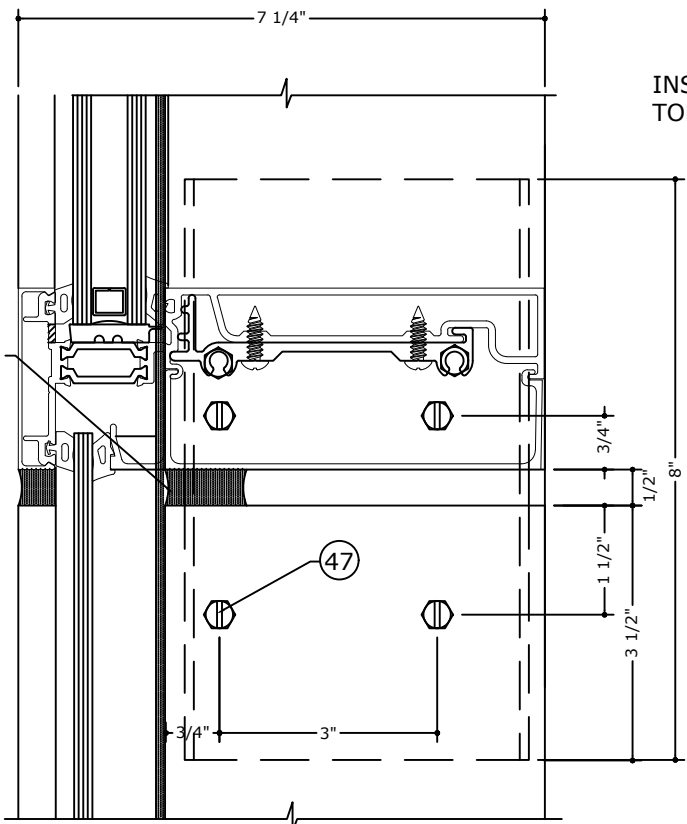
SPLICE JOINT
SCALE: 6" = 1'-0" PLAN VIEW



SPLICE JOINT
SCALE: 6" = 1'-0" SECTION

SEAL FACE OF MULLION.
APPLY BREAKER TAPE
TO SPLICE AT LIVE LOAD
CONNECTIONS.

NOTE: LOWER FASTENERS
REMOVED AFTER INSTALLATION
TO CREATE LIVELOAD SPLICE

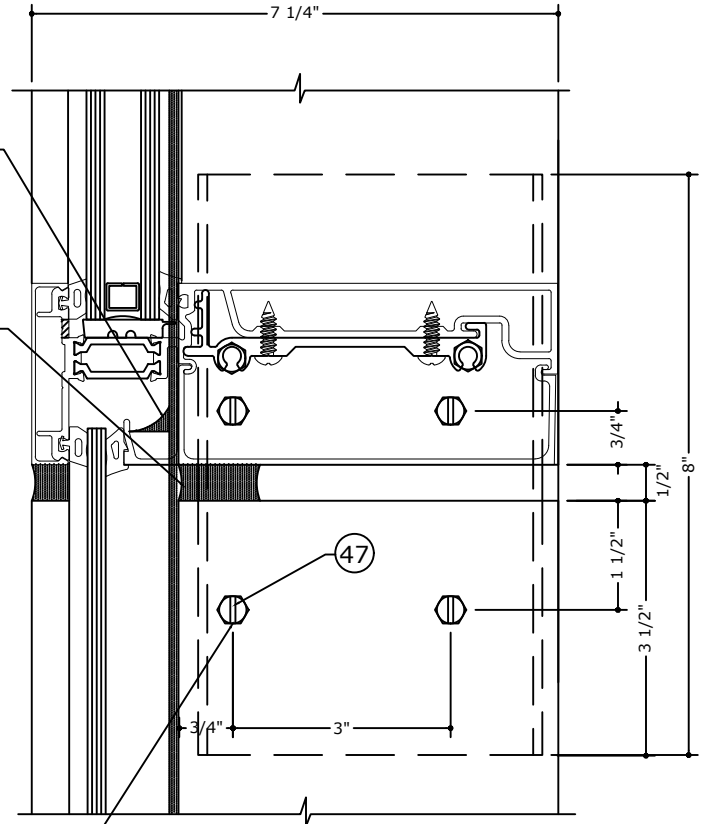


SPLICE JOINT
SCALE: 6" = 1'-0" SECTION

INSTALL BACKER ROD IN
TOP OF GLAZING ADAPTOR
AND SEAL.

SEAL FACE OF MULLION.
APPLY BREAKER TAPE
TO SPLICE AT LIVE LOAD
CONNECTIONS.

NOTE: LOWER FASTENERS
REMOVED AFTER INSTALLATION
TO CREATE LIVELOAD SPLICE



SPLICE JOINT
SCALE: 6" = 1'-0" SECTION

NOTE: REFER TO SYSTEM INSTALLATION MANUAL
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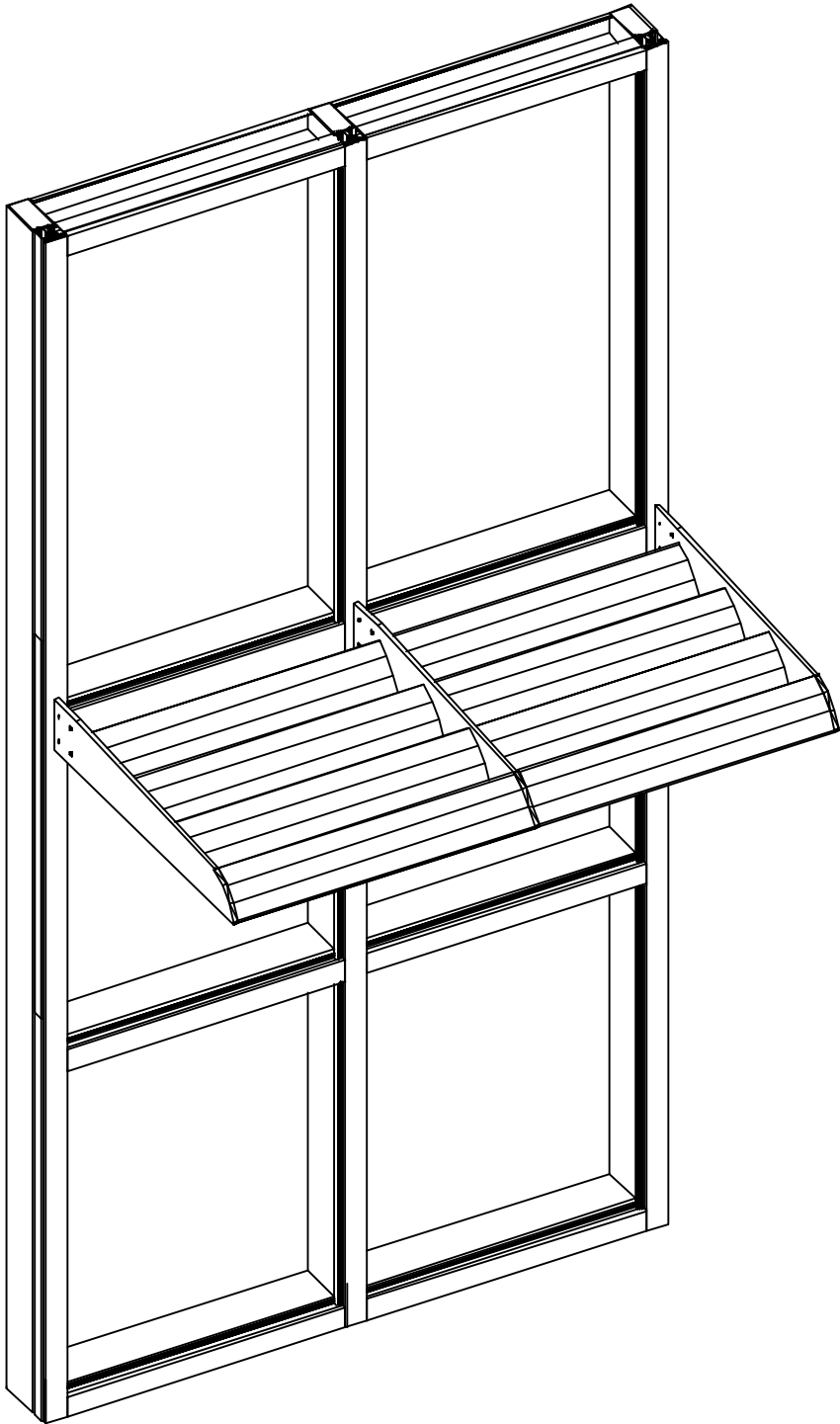
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SUNSHADE OPTION



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

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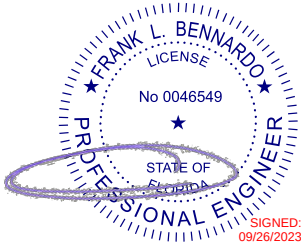
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22

BILL OF MATERIALS				
ITEM NO.	PART NUMBER	DESCRIPTION	DIMENSIONS	MATERIAL
	NOT USED	NOT USED	NOT USED	NOT USED
	NOT USED	NOT USED	NOT USED	NOT USED
	NOT USED	NOT USED	NOT USED	NOT USED
	NOT USED	NOT USED	NOT USED	NOT USED
	NOT USED	NOT USED	NOT USED	NOT USED
	NOT USED	NOT USED	NOT USED	NOT USED
	NOT USED	NOT USED	NOT USED	NOT USED
8	WW-504	SSG MULLION	2.50" x 5.234" x .094"	6063-T6 ALUMINUM
9	WW-514	HEAD HORIZONTAL	2.50" x 7.174" x .094"	6063-T6 ALUMINUM
10	WW-516	INTERMEDIATE HORIZONTAL	2.439" x 7.174" x .094"	6063-T6 ALUMINUM
11	WW-518	SILL HORIZONTAL	2.439" x 7.174" x .094"	6063-T6 ALUMINUM
12	WW-525	EXTERIOR GLAZED HORIZONTAL	2.500" x 6.649" x 0.094"	6063-T6 ALUMINUM
	NOT USED	NOT USED	NOT USED	NOT USED
14	WW-530	MULLION	2.50" x 7.269" x .094"	6063-T6 ALUMINUM
15	WW-108	HEAD & SILL FACE CAP	2.50" x .5" x .050"	6063-T5 ALUMINUM
16	WW-110	FACE CAP	2.50" x .5" x .050"	6063-T5 ALUMINUM
17	WW-127	HORIZONTAL FILLER	.584" x 4.956" x .080"	6063-T5 ALUMINUM
18	WW-131	SSG 1/4" GLAZING ADAPTOR	2.50" x .625" x .078"	6063-T5 ALUMINUM
19	WW-145	1/4" GLAZING ADAPTOR	.781" x .890" x .060"	6063-T5 ALUMINUM
20	WW-150	GLAZING BEAD (1" GLASS)	1.374" x 5.20" x .080"	6063-T5 ALUMINUM
21	WW-151	GLAZING BEAD (1/4" GLASS)	1.374" x 5.95" x .080"	6063-T5 ALUMINUM
22	WW-341	JAMB POCKET FILLER	.719" x 1.560" x .080"	RIGID PVC
23	WW-1089	PRESSURE PLATE	2.394" x .442" x .094"	6063-T6 ALUMINUM
24	GP-101	SETTING\SIDE BLOCK	.250" x 1.273" x 4" LG.	EPDM 80 DUROMETER
25	GP-103	GASKET	.485" x .561"	EPDM 60 DUROMETER
26	GP-113	WEDGE GASKET	.412" x .630"	EPDM 70 DUROMETER
27	TCR120-01	SETTING CHAIR	1.125" x 1.438" x 4" LG.	6063-T5 ALUMINUM
28	HP-17	SETTING BLOCK	.250" X 1.316" X 4" LG.	EPDM 85 DUROMETER
29	GP-115	W - SIDE BLOCK	.188" THK X .563" WIDE	EPDM 60 DUROMETER
30	FS-6	HORIZONTAL TO SHEAR BLOCK FASTENER	#10 X 3/4" PHILLIPS PAN HEAD	STEEL
31	FS-9	SHEAR BLOCK TO VERTICAL FASTENER	#14-14 X 1-1/2" SLOTTED HEX HEAD	STEEL
32	FS-320	END CAP TO MULLION FASTENER	M4 X 16mm HEADED HELICAL KNURLED PIN	STEEL
33	FS-43	SHEAR BLOCK TO VERTICAL FASTENER	#12 X 3/4" PHILLIPS PAN HEAD	STEEL
34	FS-114	BRIDGE TO HORIZONTAL FASTENER	#8 X 3/8" PHILLIPS ROUND HEAD	STEEL
35	FS-323	STEEL ATTACHMENT AT SSG MULLION	#12 X 1" PHILLIPS FLAT HEAD	STEEL
36	WW-187-01	HEAD/SILL SHEAR BLOCK	.937" x 4.125" x 1" LG.	6063-T6 ALUMINUM
37	WW-188-01	SHEAR BLOCK @ HORIZONTALS	.906" x 4.17" x 1" LG.	6063-T6 ALUMINUM
38	WW-327	MULLION END CAP	.500"	3003-H14
39	WW-343	SSG MULL END CAP	.500"	3003-H14
40	WW-102-02	"T" ANCHOR FOR WW-504 & WW-520	2.869" x 6.968" x .250"	6063-T6 ALUMINUM
41	-	HHB GRADE 5 BOLT WITH HEX NUT & FLAT WASHERS	3/8"-16x 1.500"	STEEL
42	WW-102-10	"T" ANCHOR FOR WW-530	2.869" x 6.968" x .250"	6063-T6 ALUMINUM
43	GP-108	ISOLATOR GASKET	.321x .625	EPDM 70 DUROMETER
44	GP-102	SSG SPACER	.498x .280	EPDM 70 DUROMETER
45	GP-114	SIDE BLOCK SHALLOW POCKET	0.125 x 1.125	EPDM 80 DUROMETER
46	FS-8	SHEAR BLOCK ASSEMBLY SCREW #14x 1" HH	1"	ZINC COATED STEEL

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ITEM NO.	PART NUMBER	DESCRIPTION	DIMENSIONS	MATERIAL
47	—	HHB GRADE 5 BOLT WITH HEX NUT & FLAT WASHERS	3/8"—16x 4.500"	ZINC COATED STEEL
	NOT USED	NOT USED	NOT USED	NOT USED
49	WW-103-07	"F" ANCHOR FOR WW-530	2.869" x 6.250" x .250"	6063-T6 ALUMINUM
50	HP-1004	FOAM BAFFLE	—	FOAM
51	WW-364	ZONE PLUG DEEP POCKET	1.344" x .750" x 1.438"	ABS PLASTIC
52	WW-365	ZONE PLUG SHALLOW POCKET	.906" x .750" x 1.438"	ABS PLASTIC
53	SPW-PP-3	TEMPORARY CLIP @ SSG MULLIONS	2.125" x 2.467"	NYLON
54	WW-300	SSG MULLION ZONE BRIDGE (EXT. GLAZE)	.860" x 2.737" x 1.395"	ABS PLASTIC
55	WW-351	ZONE BRIDGE HEAD & SILL	2.423" x 1.714" x 4.00"	PVC
56	TCR-300	ZONE BRIDGE HORIZONTAL (INT. GLAZE)	2.395" x 1.877" x 4.00"	ABS PLASTIC
57	CW-1496-01	MULLION SPLICES FOR WW-530	1.125" x 4.647" x .125"	6063-T5 ALUMINUM
58	CW-704-01	MULLION SPLICES FOR WW-504	1.125" x 4.742" x .125"	6063-T5 ALUMINUM
59	CW-66-01	MULLION SPLICES FOR WW-520	1.125" x 4.812" x .125"	6063-T6 ALUMINUM
60	CW-542-01	MULLION SPLICES FOR WW-430	1.095" x 3.40" x .125"	6063-T5 ALUMINUM
61	CW-90-01	MULLION SPLICES FOR WW-420	1.125" x 3.562" x .125"	6063-T5 ALUMINUM
62	CW-192-01	MULLION SPLICES FOR WW-404	1.125" x 3.492" x .125"	6063-T6 ALUMINUM
63	RS-18	STEEL REINFORCEMENT	1.8750" x 4.6875" x .125"	STEEL REINFORCEMENT
64	FS-322	PRESSURE PLATE FASTENER	#12-14 X 1" HWH DRILL-FLEX	STEEL, PROCORR
65	FS-318	FASTENER FOR 1/4" INFILL SSG ADAPTOR	STEEL	STEEL, PROCORR

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