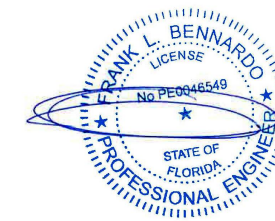


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PE# 0046549 CA# 9885



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NOTE REGARDING USE OF THIS DOCUMENT & USE OUTSIDE FLORIDA:

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:

1. 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 a. a. ASTM E330, E331, E283, E1886, E1996, E2395
2. FOR USE **OUTSIDE** THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
3. GLASS UNIT(S) SHALL ME THE REQUIREMENTS OF ASTM E-1300.
4. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
5. 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.
6. 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.
7. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
8. 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.
9. REFER TO FASTENER MANUFACTURER'S PUBLISHED DATA SHEETS AND RECOMMENDATIONS FOR FASTENER INSTALLATION INSTRUCTIONS.
10. 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.
11. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
12. PRESSURE VALUES ON THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES.
13. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
14. SAFEGUARDS MUST BE OBSERVED (NOT IN THIS CERTIFICATION)
15. 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).
16. UNITS SHALL BE LABELED IN ACCORDANCE WITH THE FLORIDA BUILDING COMMISSION AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATION.

INDEX

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05-06	MULLION & MULLION LOAD DETERMINATION
07-08	LOADING CHARTS
09-18	ANCHOR SCHEDULE
19-22	STANDARD FRAMING DETAILS
23-24	EXTRUSIONS / PARTS-LIST
24	TOTAL

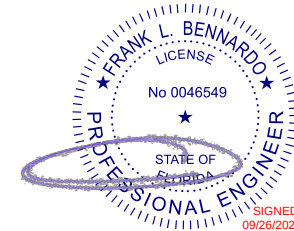
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FOR SITE-SPECIFIC DEVIATIONS
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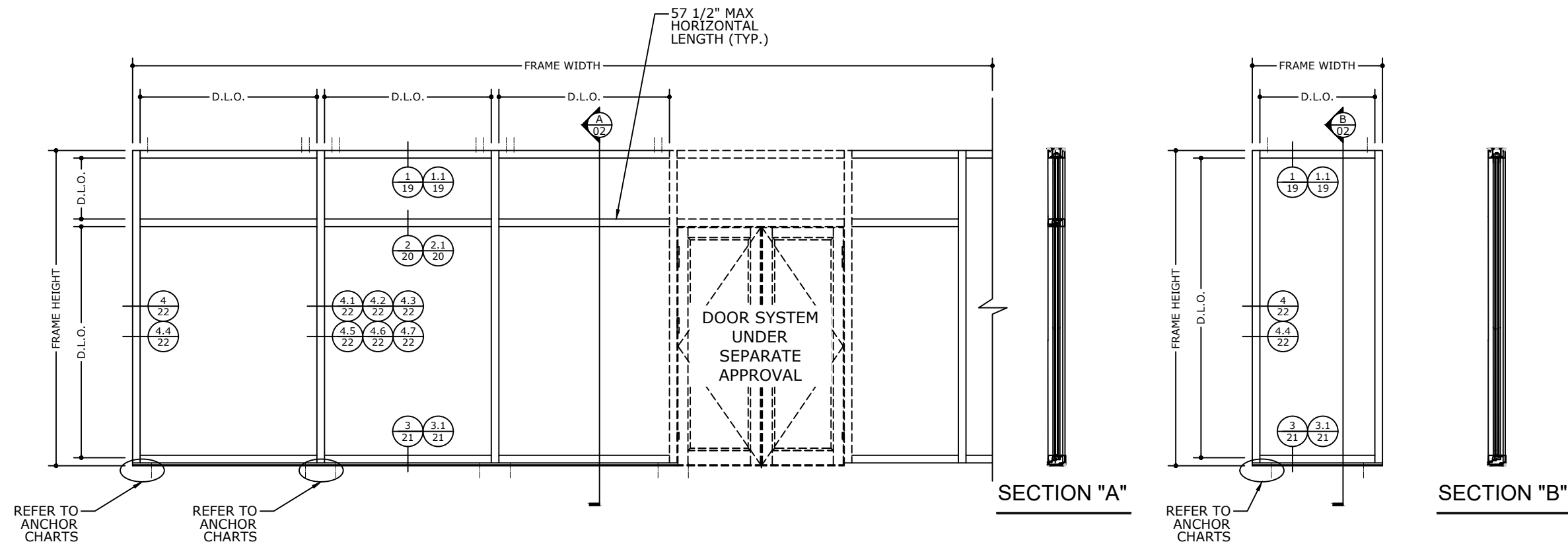
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TYPICAL STOREFRONT ELEVATION

TYPICAL SINGLE PANEL OPENING

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

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

WATER RESISTANCE PER TAS 202 AND ASTM E331 = 12 P.S.F

+65 PSF, -65 PSF

FRAME SIZE FOR SINGLE OPENINGS SHALL BE GOVERNED BY THE MAXIMUM ALLOWABLE D.L.O. DIMENSIONS DISPLAYED ON THE GLASS CHARTS

REMARKS	DRWN	CHKD	DATE
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x	x	x	x
x	x	x	x
x	x	x	x
x	x	x	x

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NOTE: GLASS SIZE = DLO + 7/8"

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N.T.S.

GLASS TYPE 

N.T.S.

GLASS TYPE 

N.T.S

GLASS TYPE 

N.T.S

* QUANEX SUPER SPACER® T-SPACER™, REACTIVE THERMOPLASTIC SPACER, ALUMINUM SPACER, TECHNOFORM TGI-SPACER, OR ANY APPROVED SPACER FOR WET GLAZED INSULATED GLAZING UNIT.

NOTE: GLAZING TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS USING A MINIMUM OF 1/4" TEMPERED GLASS.

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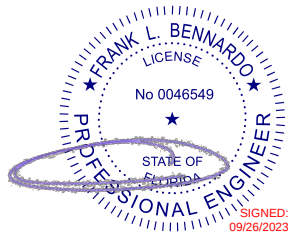
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GLASS LOADING TABLES

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GLASS TYPES		G1 G2 G3 G4			
		ALLOWABLE PRESSURE			
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) <i>P.S.F</i>	(-) <i>P.S.F</i>		
46	18	63	63		
	24	47	47		
	30	38	38		
	36	31	31		
	42	27	27		
	48	25	25		
	54	25	25		
	60	25	25		
	66	25	25		
	72	25	25		
	78	25	25		
48	18	63	63		
	24	47	47		
	30	38	38		
	36	31	31		
	42	27	27		
	48	23	23		
	54	23	23		
	60	23	23		
	66	23	23		
	72	23	23		
	78	23	23		
54	18	63	63		
	24	47	47		
	30	38	38		
	36	31	31		
	42	27	27		
	48	23	23		
	54	21	21		
	60	21	21		
	66	21	21		
	72	21	21		
	78	21	21		
60	18	63	63		
	24	47	47		
	30	38	38		
	36	31	31		
	42	27	27		
	48	23	23		
	54	21	21		
	60	19	19		
	66	19	19		
	72	19	19		

GLASS TYPES		G1 G2 G3 G4			
		ALLOWABLE PRESSURE			
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) <i>P.S.F</i>	(-) <i>P.S.F</i>		
72	18	63	63		
	24	47	47		
	30	38	38		
	36	31	31		
	42	27	27		
	48	23	23		
	54	21	21		
	60	19	19		
78	18	63	63		
	24	47	47		
	30	38	38		
	36	31	31		
	42	27	27		
	48	23	23		
	54	21	21		
84	18	63	63		
	24	47	47		
	30	38	38		
	36	31	31		
	42	27	27		
	48	23	23		
90	18	63	63		
	24	47	47		
	30	38	38		
	36	31	31		
	42	27	27		
	48	23	23		
94	18	63	63		
	24	47	47		
	30	38	38		
	36	31	31		
	42	27	27		
	46	23	23		
102	18	63	63		
	24	47	47		
	30	38	38		
	36	31	31		
	42	23	23		
108	18	63	63		
	24	47	47		
	30	38	38		
	36	31	31		

GLASS TYPES		G1 G2 G3 G4	
		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) <i>P.S.F</i>	(-) <i>P.S.F</i>
114	18	63	63
	24	47	47
	30	38	38
	36	31	31
120	18	63	63
	24	47	47
	30	38	38
	36	31	31
126	18	63	63
	24	47	47
	30	38	38
132	18	63	63
	24	47	47
	30	38	38
138	18	63	63
	24	47	47
	30	38	38
144	18	63	63
	24	47	47
	30	38	38

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

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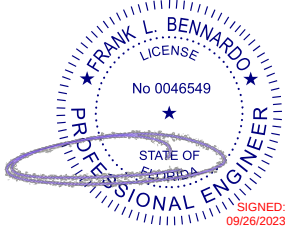
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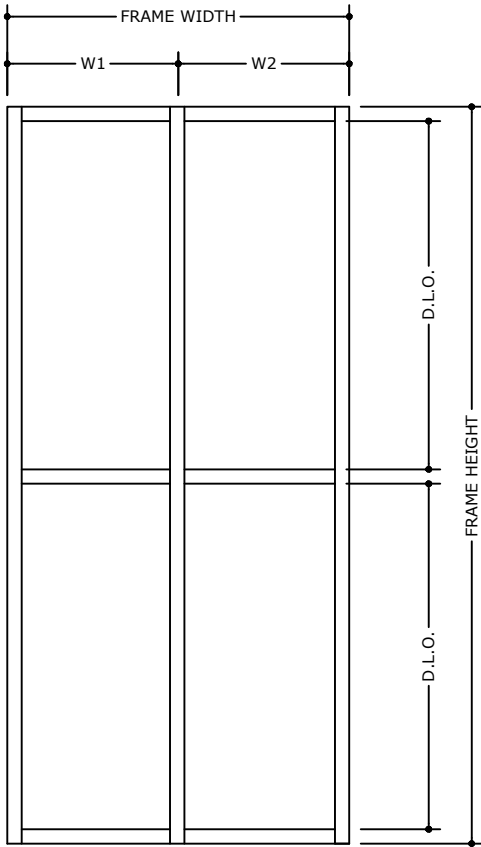
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MULLION & JAMB LOAD DETERMINATION

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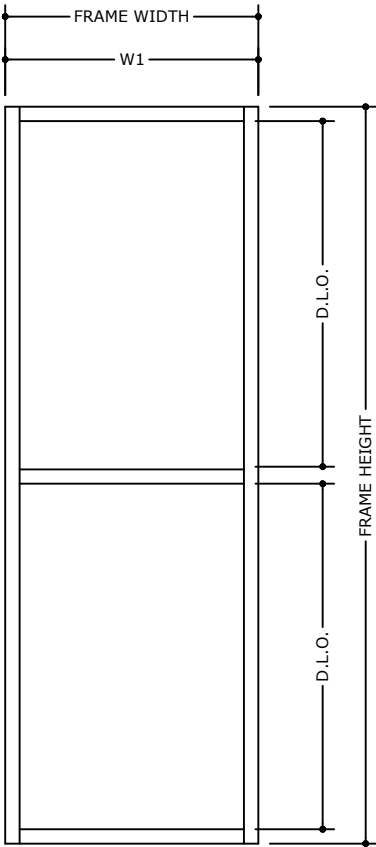
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MULLION LOAD DETERMINATION

USE TRIBUTARY WIDTH AS SHOWN BELOW
TO DETERMINE FRAME WIDTH SHOWN ON
MULLION LOAD CHARTS:

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



JAMB LOAD DETERMINATION

USE TRIBUTARY WIDTH AS SHOWN BELOW
TO DETERMINE FRAME WIDTH SHOWN ON
MULLION LOAD CHARTS:

$$\text{WIDTH} = W1$$

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

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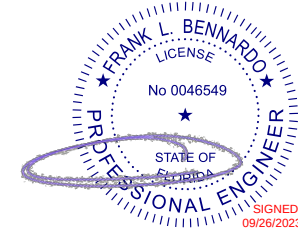
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SINGLE SPAN MULLIONS

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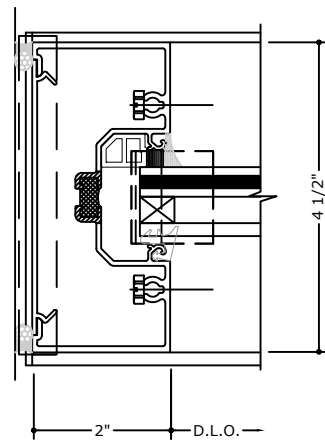
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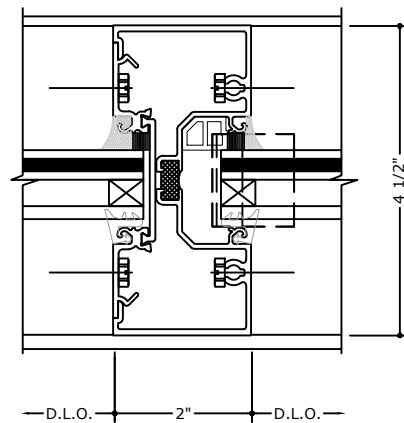
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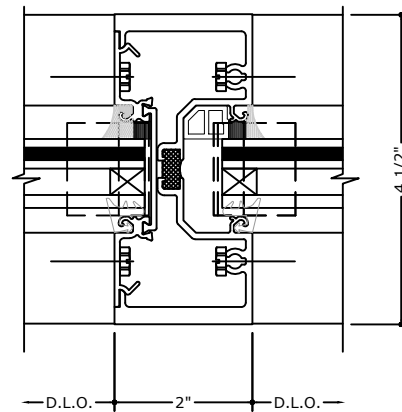
J1

WET & DRY GLAZE



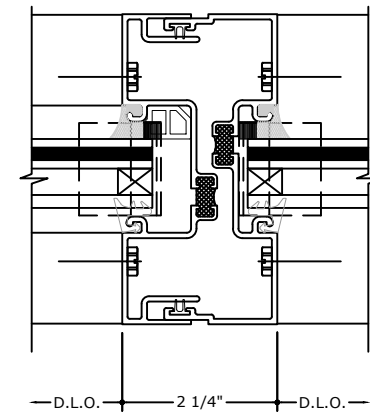
M1

WET & DRY GLAZE



M2

WET & DRY GLAZE



M3

WET & DRY GLAZE

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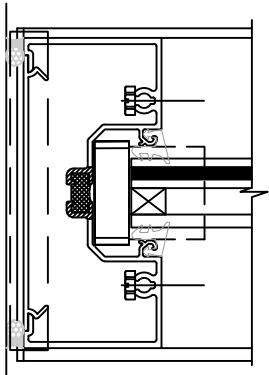
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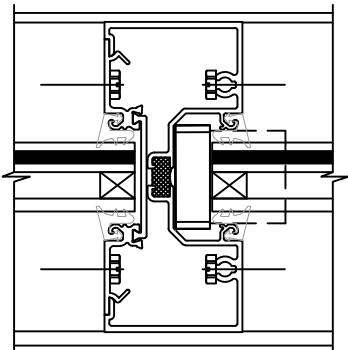
MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS

MULLION LOADING CHART		MULLION TYPE	
		J1 M1	M2 M3
FRAME HEIGHT (in)	FRAME WIDTH (in)	(+ / -) P.S.F	(+ / -) P.S.F
60	24	65	65
	30	65	65
	36	65	65
	44-1/4	65	65
	48	65	65
	54	65	65
	60	65	65
	66	65	65
	72	65	65
	78	65	65
66	80	65	65
	24	65	65
	30	65	65
	36	65	65
	44-1/4	65	65
	48	65	65
	54	65	65
	60	65	65

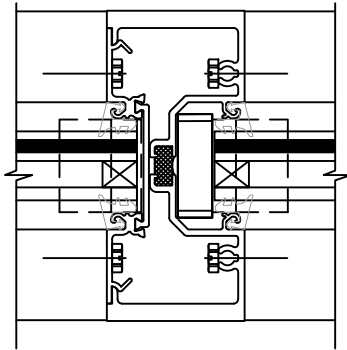
MULLION LOADING CHART		MULLION TYPE	
		J1 M1	M2 M3
FRAME HEIGHT (in)	FRAME WIDTH (in)	(+ / -) P.S.F	(+ / -) P.S.F
72	24	65	65
	30	65	65
	36	65	65
	44-1/4	60	60
	48	58	58
	54	55	55
	60	53	53
78	24	65	65
	30	65	65
	36	62	62
	44-1/4	54	54
	48	51	51
	54	48	48
84	24	65	65
	30	64	64
	36	56	56
	44-1/4	49	49
	48	46	46



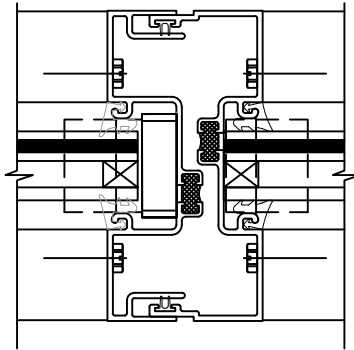
J1



M1

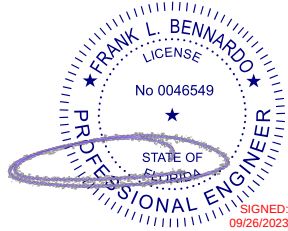


M2



M3

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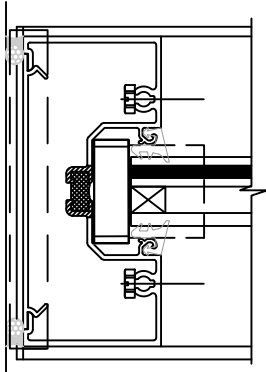
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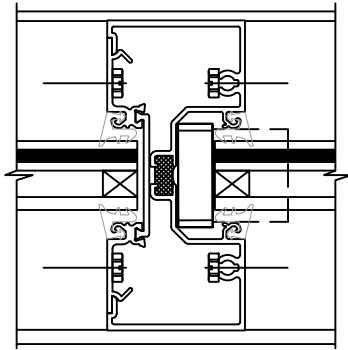
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MAXIMUM A.S.D. DESIGN PRESSURE RATING FOR STANDARD MULLIONS

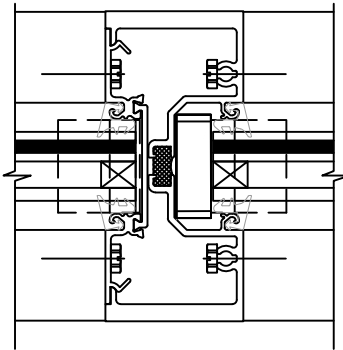
MULLION LOADING CHART		MULLION TYPE	
		J1 M1	M2 M3
FRAME HEIGHT (in)	FRAME WIDTH (in)	(+ / -) P.S.F	(+ / -) P.S.F
90	24	65	65
	30	59	59
	36	51	51
	44-1/4	44	44
	48	42	42
98	24	65	65
	30	53	53
	36	46	46
	44-1/4	40	40
102	24	62	62
	30	51	51
	36	44	44
	42	40	40
108	24	57	57
	30	46	46
	36	39	39



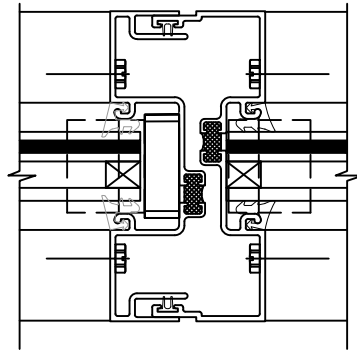
J1



M1



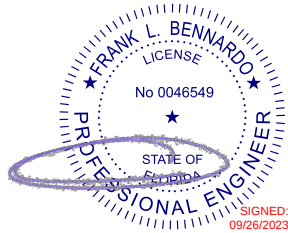
M2



M3

MULLION LOADING CHART		MULLION TYPE	
		J1 M1	M2 M3
FRAME HEIGHT (in)	FRAME WIDTH (in)	(+ / -) P.S.F	(+ / -) P.S.F
114	24	51	51
	30	41	41
	36	35	35
118	24	48	48
	30	38	38
	36	32	32
120	24	46	46
	30	37	37
	36	31	31
126	24	40	42
	30	32	33
132	24	34	38
	30	28	30
138	24	30	35
	30	24	28
144	24	26	30
	30	21	24

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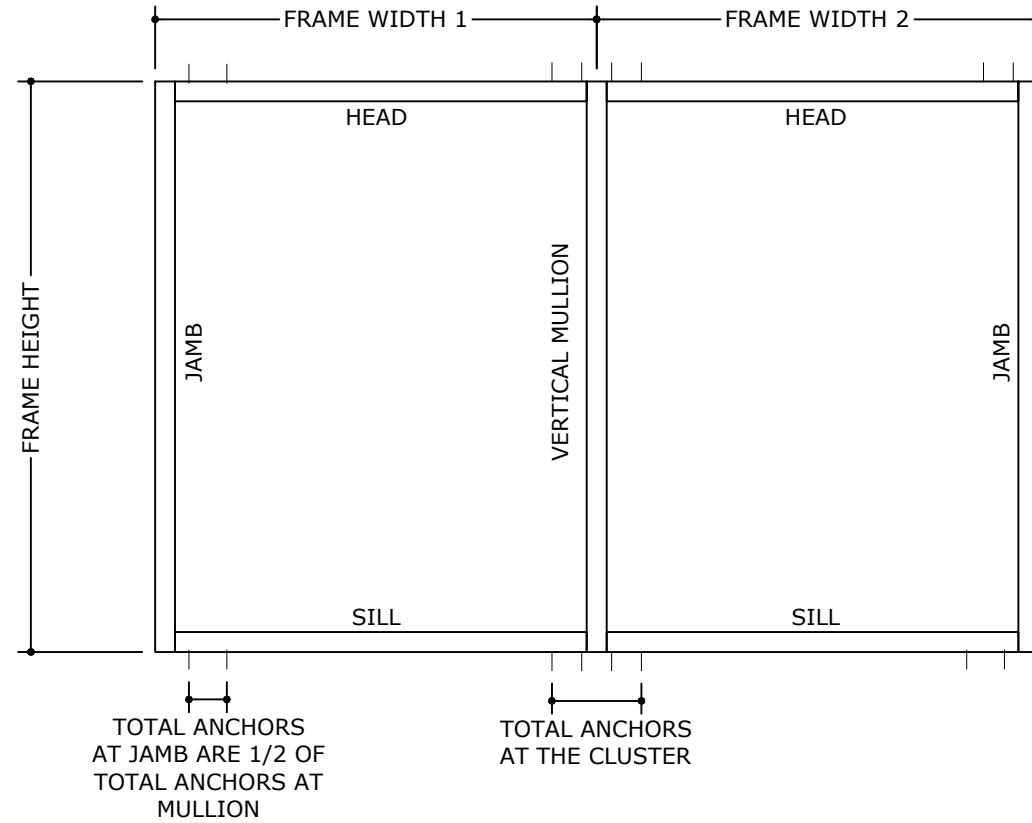
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MULLION TYPE							
ANCHOR TYPE	ANCHOR DIAMETER	TYPE	MANUFACTURER	SUBSTRATE	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)	MAX SPACING (IN)
A	1/4"	ULTRACON ANCHOR	DEWALT	POURED CONCRETE 3000 PSI MIN	1-3/4	2-1/2	4" O.C.
B	1/4"-14	DRIL-FLEX HEX WASHER HEAD SELF DRILLING SCREW	DEWALT	16 GA. MIN. STUD ASTM A-653 GRADE 33 STEEL	FULL	1-1/2	4" O.C.
				1/8" STEEL-A36			
				1/8" ALUMINUM-6063-T6			
C	1/4"	ULTRACON ANCHOR OR LAG SCREW	DEWALT	2X WOOD BUCK G=0.55	1-1/2	1-1/2	4" O.C.

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	SQ	RS	09/07/23
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x	x	x	x
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x	x	x	x

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PE# 0046549 CA# 9885

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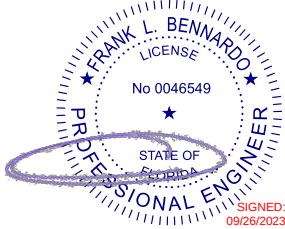
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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS WITH HEAD & SILL CONNECTIONS-ANCHOR TYPE A

FRAME HEIGHT (H)	TRIBUTARY (W)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE A				
		2	4	6	8	10
		MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)
84	24	64	65	65	65	65
	36	42	65	65	65	65
	48	32	64	65	65	65
	60	25	51	65	65	65
	72	21	42	64	65	65
	80	19	38	57	65	65
96	24	56	65	65	65	65
	36	37	65	65	65	65
	48	28	56	65	65	65
	60	22	45	65	65	65
	72	18	37	56	65	65
	80	16	33	50	65	65
108	24	50	65	65	65	65
	36	33	65	65	65	65
	48	25	50	65	65	65
	60	20	40	60	65	65
	72	16	33	50	65	65
	80	15	30	45	60	65
120	24	45	65	65	65	65
	36	30	60	65	65	65
	48	22	45	65	65	65
	60	18	36	54	65	65
	72	15	30	45	60	65
	80	13	27	40	54	65

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FRAME HEIGHT (H)	TRIBUTARY (W)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE A					
		2	4	6	8	10	12
		MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)
132	24	40	65	65	65	65	65
	36	27	54	65	65	65	65
	48	20	40	61	65	65	65
	60	16	32	49	65	65	65
	72	13	27	40	54	65	65
	80	12	24	36	49	61	65
144	24	37	65	65	65	65	65
	36	25	50	65	65	65	65
	48	18	37	56	65	65	65
	60	15	30	45	60	65	65
	72	12	25	37	50	62	65
	80	11	22	33	45	56	65

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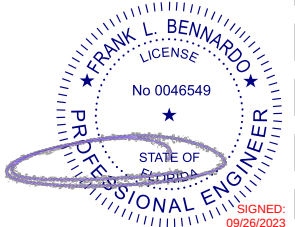
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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS WITH HEAD & SILL CONNECTIONS-ANCHOR TYPE B

FRAME HEIGHT (H)	TRIBUTARY (W)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE B	
		2	4
		MAX PRESSURE (PSF)	MAX PRESSURE (PSF)
36	24	65	65
	36	65	65
	48	65	65
	60	65	65
	72	65	65
	80	65	65
48	24	65	65
	36	65	65
	48	65	65
	60	65	65
	72	65	65
	80	65	65
60	24	65	65
	36	65	65
	48	65	65
	60	65	65
	72	65	65
	80	60	65

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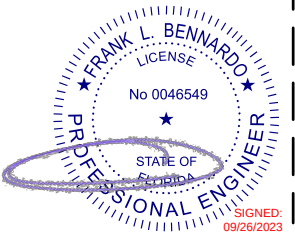
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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD
MULLIONS WITH HEAD & SILL CONNECTIONS-ANCHOR TYPE B

FRAME HEIGHT (H)	TRIBUTARY (W)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE B		
		2	4	6
		MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)
72	24	65	65	65
	36	65	65	65
	48	65	65	65
	60	65	65	65
	72	55	65	65
	80	50	65	65
84	24	65	65	65
	36	65	65	65
	48	65	65	65
	60	57	65	65
	72	47	65	65
	80	42	65	65
96	24	65	65	65
	36	65	65	65
	48	62	65	65
	60	50	65	65
	72	41	65	65
	80	37	65	65
108	24	65	65	65
	36	65	65	65
	48	55	65	65
	60	44	65	65
	72	37	65	65
	80	33	65	65

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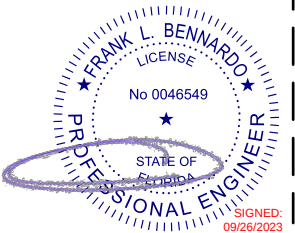
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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD
MULLIONS WITH HEAD & SILL CONNECTIONS-ANCHOR TYPE B

FRAME HEIGHT (H)	TRIBUTARY (W)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE B		
		2	4	6
		MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)
120	24	65	65	65
	36	65	65	65
	48	50	65	65
	60	40	65	65
	72	33	65	65
	80	30	60	65
132	24	65	65	65
	36	60	65	65
	48	45	65	65
	60	36	65	65
	72	30	60	65
	80	27	54	65
144	24	65	65	65
	36	55	65	65
	48	41	65	65
	60	33	65	65
	72	27	55	65
	80	25	50	65

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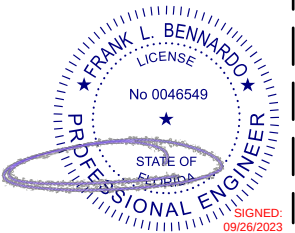
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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD
MULLIONS WITH HEAD & SILL CONNECTIONS-ANCHOR TYPE C

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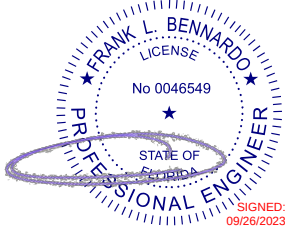
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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS WITH HEAD & SILL CONNECTIONS-ANCHOR TYPE C

FRAME HEIGHT (H)	TRIBUTARY (W)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE C						
		2	4	6	8	10	12	16
		MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)
84	24	48	65	65	65	65	65	65
	36	32	64	65	65	65	65	65
	48	24	48	65	65	65	65	65
	60	19	38	58	65	65	65	65
	72	16	32	48	64	65	65	65
	80	14	29	43	58	65	65	65
96	24	42	65	65	65	65	65	65
	36	28	56	65	65	65	65	65
	48	21	42	63	65	65	65	65
	60	17	34	51	65	65	65	65
	72	14	28	42	56	65	65	65
	80	12	25	38	51	63	65	65
108	24	37	65	65	65	65	65	65
	36	25	50	65	65	65	65	65
	48	18	37	56	65	65	65	65
	60	15	30	45	60	65	65	65
	72	12	25	37	50	62	65	65
	80	11	22	34	45	56	65	65
120	24	34	65	65	65	65	65	65
	36	22	45	65	65	65	65	65
	48	17	34	51	65	65	65	65
	60	13	27	40	54	65	65	65
	72	11	22	34	45	56	65	65
	80	10	20	30	40	51	61	65

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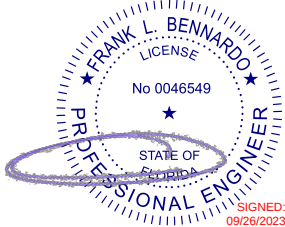
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MAXIMUM ALLOWABLE STRESS DESIGN PRESSURE RATING FOR STANDARD MULLIONS WITH HEAD & SILL CONNECTIONS-ANCHOR TYPE C

FRAME HEIGHT (H)	TRIBUTARY (W)	TOTAL NUMBER OF ANCHORS AT THE CLUSTER-ANCHOR TYPE C						
		2	4	6	8	10	12	16
		MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)	MAX PRESSURE (PSF)
132	24	30	61	65	65	65	65	65
	36	20	41	61	65	65	65	65
	48	15	30	46	61	65	65	65
	60	12	24	37	49	61	65	65
	72	10	20	30	41	51	61	65
	80	9	18	27	37	46	55	65
144	24	28	56	65	65	65	65	65
	36	18	37	56	65	65	65	65
	48	14	28	42	56	65	65	65
	60	11	22	34	45	56	65	65
	72	9	18	28	37	47	56	65
	80	8	17	25	34	42	51	65

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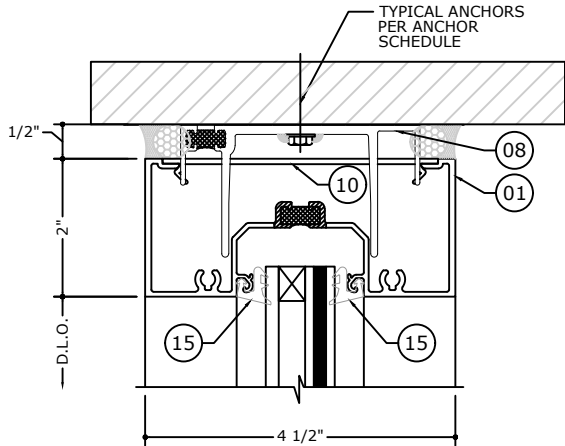
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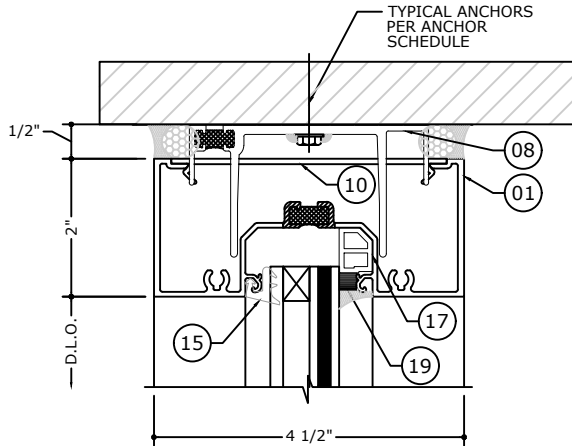
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HEAD DETAILS



1 HEAD DETAIL
DRY GLAZE



1.1 HEAD DETAIL
WET GLAZE

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

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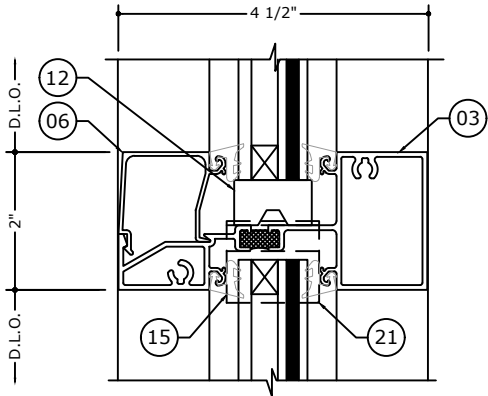
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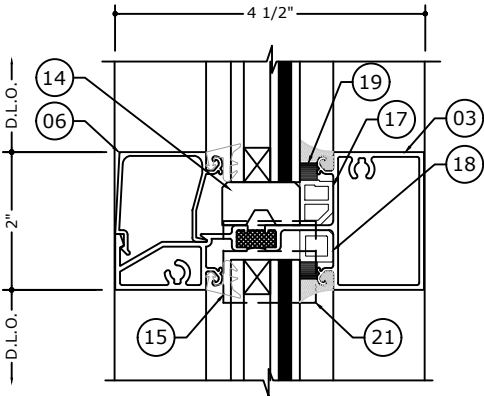
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HORIZONTAL DETAILS

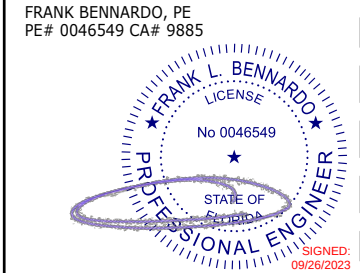


2 HORIZONTAL DETAIL
DRY GLAZE



2.1 HORIZONTAL DETAIL
WET GLAZE

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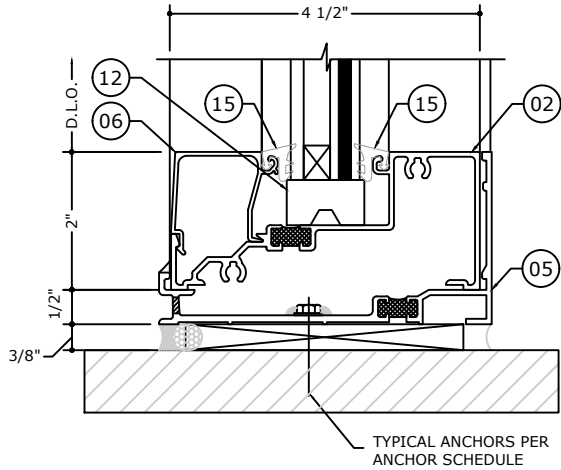
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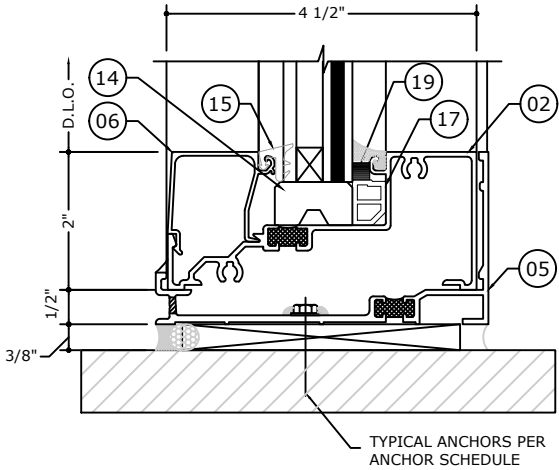
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SILL DETAILS



3 SILL DETAIL
DRY GLAZE



3.1 SILL DETAIL
WET GLAZE

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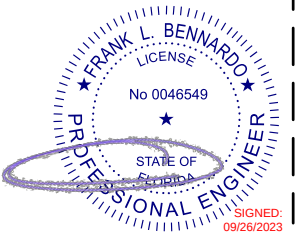
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BILL OF MATERIALS

ITEM NO.	PART NUMBER	DESCRIPTION	DIMENSIONS	MATERIAL
01	FG-3495	HEAD, JAMB & VERTICAL MULLION	2.000" X 4.500"	6063-T6 ALUMINUM
02	FG-3198	HEAD, SILL MULLION	2.000" X 4.480"	6063-T6 ALUMINUM
03	FG-3197	INTERMEDIATE HORIZONTAL	2.000" X 4.480"	6063-T6 ALUMINUM
04	FG-3514	FILLER ASSEMBLY	0.611" X 4.000"	6063-T6 ALUMINUM
05	FG-3413	SILL RECEPTOR	2.500" X 4.827"	6063-T6 ALUMINUM
06	FG-3144	GLASS STOP	1.476" X 1.552" X 0.055"	6063-T5 ALUMINUM
07	FG-3595	HEAVY MULLION	2.000" X 4.500"	6063-T6 ALUMINUM
08	FG-3000-FP-52	HEAD ANCHOR	1.920" x 3.470" x 0.090" x 6" LONG	6063-T6 ALUMINUM
09	NOT USED	NOT USED	NOT USED	NOT USED
09a	FG-3000-FP-78	SILL END DAM	2.50000" x 0.09000" x 4.62500"	ALUMINUM SHEET
10	FG-2188	PVC FILLER RUNS BETWEEN ANCHORS	4.000" x 0.365" x 0.070"	PVC PLASTIC
11	FG-2122-01	4" LENGTHS AT ANCHOR BOLT LOCATIONS	4.000" x 0.357" x 0.070" x 4" LONG	6063-T6 ALUMINUM
12	FG-3220	SETTING BLOCK	0.656" X 1.125" X 4.125"	EPDM 85 DUROMETER
13	GP-150	SIDE BLOCK	1.25" X 0.452" X 0.152"	EPDM 85 DUROMETER
14	GP-149	SETTING BLOCK	0.625" X 1.132" X 4.125"	EPDM 85 DUROMETER
15	FG-1133	GASKET	0.500" X 0.545"	EPDM 60 DUROMETER
16	FS-8	SPLINE ASSEMBLY SCREW	#14 x 1" HHSTS	STEEL
17	GP-147	SPACER	0.656" X 0.485"	EPDM DUROMETER
18	GP-148	SPACER	0.462" X 0.485"	EPDM DUROMETER
19	V-2108	SPACER TAPE	.25" X .25" X 0.060"	FLEXIBLE PVC
20	V-11	GASKET	0.218" X 0.29"	EPDM 85 DUROMETER
21	FG-1000-FP-2	WATER DIVERTER	1.187" x 1.187" x 0.062" x 1.343" LONG	PVC PLASTIC
22	FG-3329	SPLIT MULLION (FEMALE)	1.378" X 4.500"	6063-T6 ALUMINUM
23	FG-3328	SPLIT MULLION (MALE)	1.640" X 4.500"	6063-T6 ALUMINUM

FRANK BENNARDO, PE
PE# 0046549 CA# 9885



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